ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELL'ABRUZZO E DEL MOLISE "G. CAPORALE"

PROGETTO ESECUTIVO

REALIZZAZIONE DI FABBRICATI DESTINATI ALRICOVERO ANIMALI
E CONCIMAIA IN LOCALITA' COLLATTERRATO DI TERAMO

PROGETTO: ARCHITETTI ILARIO TOTTONE E MAURIZIO DE SIATI

STABULARIO PER ANIMALI CONTROLLATI

CALCOLI ESECUTIVI DELLE STRUTTURE

RELAZIONE GEOTECNICA
RELAZIONE SULLE FONDAZIONI
RELAZIONE SUI MATERIALI
RELAZIONE DI CALCOLO

DATA: MAGGIO 2010

RELAZIONE GEOTECNICA
(D.M. 14.01.2008)

La presente relazione viene redatta sulla scorta della Relazione geologica fornita dall'Ente, redatta dal dott. geol. Italo Cipolloni (Sondedile s.r.l.).

La stratigrafia media dell'area di sedime, ricostruita in seguito a sondaggio geognostico, procedendo dalla superficie, risulta così costituita:

1) Da quota 0.00 a quota –1.00: strato di **terreno vegetale** a granulometria limo-sabbiosa, marrone scuro, asciutto, consistente, ma non idoneo come terreno di fondazione.
2) Da quota –1.00 a quota – 17.00: strato di **terreno costituito da argille limose e limi argillosi** di colore marrone, da moderatamente consistenti a consistenti con intercalati rari livelli più plastici. Tali depositi costituiscono presumibilmente l'accumulo di materiali provenienti dai sovrastanti rilievi collinari e presentano i seguenti parametri geotecnici caratteristici: peso specifico γ = 18-20 kN/mc – coesione drenata c' = 15-18 kPa - coesione drenata c_u = 45-115 kPa - angolo attrito interno ϕ' = 24°-25° - contenuto d'acqua naturale w_n = 19%-22% - limiti di Atterberg LL=32%-39% e IP= 16%-21% - indice di consistenza I_c = 0,7-0,9 - pocket penetrometer p = 130-270 kPa - modulo compressibilità edometrica E_{ed} = 3,5-5,5 MPa ;
3) Oltre quota –17.00: **substrato geologico costituito da argille marnose grigio-azzurre plioceniche** sovraconsolidate di elevata consistenza**.** I parametri geotecnici sono i seguenti: peso specifico peso specifico γ = 20-21 kN/mc – coesione drenata c' = 30-70 kPa - coesione drenata c_u = 100-300 kPa - angolo attrito interno ϕ' = 24°-27° - contenuto d'acqua naturale w_n = 11%-17% - limiti di Atterberg LL=27%-42% e IP= 9%-22% - indice di consistenza I_c < 1 - pocket penetrometer p > 600 kPa - modulo compressibilità edometrica E_{ed} = 26-27 MPa ;

La falda freatica è posta a quota –11.00 m.

Le opere da realizzarsi consistono nella realizzazione di nuovo fabbricato con fondazioni continue in cemento armato e con struttura a carpenteria metallica, destinato a ricovero animali..

VERIFICHE DELLA SICUREZZA DEL CARICO LIMITE (S.L.U.)

La verifica di sicurezza allo Stato Limite Ultimo del terreno di fondazione viene condotta con l'utilizzo dell'**Approccio 2 (A1 + M1 + R3)** delle NTC08.

Il carico unitario massimo trasmesso dalla struttura in elevazione – scarico pilastri+peso fondazione - al terreno (combinazione carichi SLU fondamentale 1 riportata nella Relazione di calcolo strutturale) fornisce un valore massimo q_d = 90 kPa, relativo alla trave di fondazione sul lato lungo di monte (in condizione **A1**).

La fondazione, delle dimensioni di cm. 60x100, viene attestata nello strato di **limi argillosi e argille limose** con piano di posa a –1.50 m. dal piano campagna; per la condizione **M1** i parametri geotecnici non subiscono modificazioni rispetto a quelli caratteristici e pertanto presentano i seguenti valori: peso specifico γ = 18-20 kN/mc – coesione drenata c' = 15-18 kPa - coesione drenata c_u = 45-115 kPa - angolo attrito interno ϕ' = 24°-25° - contenuto d'acqua naturale w_n = 19%-22% - limiti di Atterberg LL=32%-39% e IP= 16%-21% - indice di consistenza I_c = 0,7-0,9 - pocket penetrometer p = 130-270 kPa - modulo compressibilità edometrica E_{ed} = 3,5-5,5 MPa ;

Per il calcolo della capacità portante unitaria si utilizza la formula del Terzaghi, per terreni coesivi in assenza di drenaggio (ϕ = 0° - N_γ = 0):

$q_{lim} = c_u \times N_c + \gamma \times D \times N_q$

dove c_u = coesione non drenata; $\gamma \times D$ = pressione del terreno sul piano di fondazione; N_c e N_q = fattori di capacità portante tabellari.

q_{lim} = 45 x 5,70 + 18 x 1.50 x 1,00 = 283.5 kPa

Per la condizione **R3** il coefficiente γ_R è pari a 2.3 .

Pertanto la portanza offerta dal terreno è pari a:

q_R = 283.5 / 2.3 = 123.26 kPa > q_d = 90.0 kPa

VERIFICHE DELLA SICUREZZA DEGLI SPOSTAMENTI (S.L.E.)

Il valore di progetto della pressione massima quasi permanente trasmessa dalla struttura– scarico pilastri+fondazioni - al terreno (combinazione carichi SLE Quasi

Permanente comb. 30 riportata nella Relazione di calcolo strutturale) fornisce un valore massimo q_d = 40 kPa sulle fondazioni sui lati lunghi esterni.

L'incremento di pressione rispetto alla situazione iniziale è pari a:

$\Delta p = q_d - \gamma \times h = 40.0 - 18 \times 1.50 = 13.0$ kPa

Il valore molto modesto dell'incremento di pressione dovuto all'esecuzione della struttura rende poco temibili i cedimenti, come di seguito verificato.

La deformazione riguarda esclusivamente lo strato di **limi argillosi e argille limose** della potenza di mt. 15.50 .

Il valore dello spostamento viene calcolato mediante la formula semplificata:

$s = H \times C_c /(1+e_0) \times \log ((p_0 + \Delta p)/p_0)$

dove:

s = cedimento da determinare;

H = spessore dello strato di limi;

p_0 = pressione effettiva a metà dello strato considerato (pari a $p_0 = \Sigma \gamma \times h = 19 \times 9.50/2 = 90.25$ kPa a metà strato fuori falda e $p_0 = 19 \times 9.50 + 9 \times 6.00/2 = 207.50$ kPa a metà strato entro falda);

Δp = incremento della pressione effettiva dovuta al peso della fondazione;

e_0 = indice dei pori in corrispondenza di p_0 per argilla normalmente consolidata (pari a 0,95);

C_c = indice di compressibilità per argilla normalmente consolidata (pari a 0,10).

Si ottiene:

$s = 9.50 \times 0.10 /(1+0.95) \times \log ((90.25+6.86)/90.25)+6.00 \times 0.10 /(1+0.95) \times \log ((207.50+ 0.60)/207.50) = 0.0153 + 0.0004 = 0.0157$ m.

L'abbassamento può ritenersi ammissibile, anche in quanto pressochè uniforme, determinando le fondazioni pressioni molto simili nel terreno.

Teramo, maggio 2010

I progettisti

Architetti Ilario Tottone e Maurizio De Siati

RELAZIONE SULLE FONDAZIONI
(D.M. 14.01.2008)

Le opere da realizzarsi consistono nella realizzazione di un capannone con fondazioni continue in cemento armato di tipo rettangolare ed a travi a T e ad L rovesce e struttura in elevazione a carpenteria metallica.

Il volume dell'ampliamento si presenta di forma parallelepipeda, con base di circa mt. 9,60 x mt. 13,60 ed altezza massima di circa mt. 9,50.

Il calcolo strutturale delle travi di fondazione è riportato nella Relazione di calcolo allegata al progetto. Esso è stato eseguito applicando l' **Approccio 2 (A1 + M1 + R3).**

Le sollecitazioni massime nelle travi di fondazione sono di seguito riepilogate.

Trave di fondazione Sezione numero 1 Rett. TRAVI FONDAZIONE RETT

Spostamenti	Min trave 1 8	-1.1 [mm]	Comb. 4	Max trave 15 16	-0.0 [mm]	Comb. 4
Taglio	Min trave 8 15	-66368.5 [N]	Comb. 4	Max trave 1 8	80942.4 [N]	Comb. 4
Pressioni sul terreno	Min trave 1 8	0.1 [MPa]	Comb. 4	Max trave 15 16	0.0 [MPa]	Comb. 4
Momento flettente	Min trave 1 8	-105.30 [kNm]	Comb. 4	Max trave 1 2	105.25 [kNm]	Comb. 4
Momento torcente	Min trave 36 43	-30.50 [kNm]	Comb. 1	Max trave 1 8	30.56 [kNm]	Comb. 1

Trave di fondazione Sezione numero 2 a Tr TRAVI FONDAZIONE A T

Spostamenti	Min trave 7 14	-0.8 [mm]	Comb. 4	Max trave 20 21	-0.1 [mm]	Comb. 4
Taglio	Min trave 14 21	-69790.9 [N]	Comb. 4	Max trave 7 14	81329.4 [N]	Comb. 4
Pressioni sul terreno	Min trave 7 14	0.1 [MPa]	Comb. 4	Max trave 20 21	0.0 [MPa]	Comb. 4
Momento flettente	Min trave 7 14	-120.71 [kNm]	Comb. 4	Max trave 20 21	84.92 [kNm]	Comb. 4
Momento torcente	Min trave 7 14	-47.92 [kNm]	Comb. 4	Max trave 42 49	49.11 [kNm]	Comb. 4

Trave di fondazione Sezione numero 3 a L TRAVI FONDAZIONE A L

Spostamenti	Min trave 48 49	-0.7 [mm]	Comb. 4	Max trave 47 48	-0.4 [mm]	Comb. 25
Taglio	Min trave 48 49	-26071.1 [N]	Comb. 4	Max trave 46 47	24173.5 [N]	Comb. 3
Pressioni sul terreno	Min trave 48 49	0.1 [MPa]	Comb. 4	Max trave 47 48	0.0 [MPa]	Comb. 25
Momento flettente	Min trave 47 48	-25.02 [kNm]	Comb. 3	Max trave 48 49	122.48 [kNm]	Comb. 4
Momento torcente	Min trave 48 49	-17.58 [kNm]	Comb. 5	Max trave 46 47	13.08 [kNm]	Comb. 5

Trave di fondazione Sezione numero 4 a _| TRAVI FONDAZIONE A L

Spostamenti	Min trave 6 7	-0.8 [mm]	Comb. 4	Max trave 5 6	-0.4 [mm]	Comb. 23
Taglio	Min trave 4 5	-29960.7 [N]	Comb. 4	Max trave 4 5	24170.7 [N]	Comb. 3
Pressioni sul terreno	Min trave 6 7	0.1 [MPa]	Comb. 4	Max trave 5 6	0.0 [MPa]	Comb. 23
Momento flettente	Min trave 5 6	-24.98 [kNm]	Comb. 3	Max trave 6 7	127.99 [kNm]	Comb. 4
Momento torcente	Min trave 4 5	-18.31 [kNm]	Comb. 4	Max trave 6 7	27.24 [kNm]	Comb. 4

Trave di fondazione Sezione numero 5 Rett. TRAVI COLL. FONDAZIONE

Spostamenti	Min trave 30 31	-0.6 [mm]	Comb. 1	Max trave 16 17	0.1 [mm]	Comb. 4
Taglio	Min trave 26 27	-23449.0 [N]	Comb. 2	Max trave 16 17	24492.6 [N]	Comb. 4
Pressioni sul terreno	Min trave 30 31	0.1 [MPa]	Comb. 1	Max trave 16 17	-0.0 [MPa]	Comb. 4
Momento flettente	Min trave 9 10	-27.29 [kNm]	Comb. 38	Max trave 30 31	34.91 [kNm]	Comb. 4
Momento torcente	Min trave 9 10	-0.13 [kNm]	Comb. 2	Max trave 37 38	0.13 [kNm]	Comb. 2

Il calcestruzzo previsto è di classe C 25/30 (f_{cd} = 14.17 MPa), mentre l'acciaio è del tipo B 450C (f_{yd} = 391 MPa).

Teramo, li

I progettisti

Architetti Ilario Tottone e Maurizio De Siati

RELAZIONE SUI MATERIALI
(D.M. 14.01.2008)

I materiali ed i prodotti per uso strutturale da utilizzarsi, ai sensi del par. 11.1 del D.M. 14.01.2008 (NTC08), dovranno essere identificati univocamente a cura del produttore, qualificati sotto la responsabilità del produttore, accettati dal Direttore dei Lavori mediante acquisizione e verifica della documentazione di qualificazione e mediante eventuali prove sperimentali di accettazione.

Nella esecuzione delle opere in epigrafe, con strutture di fondazione del tipo in c.a. normale gettato in opera e con strutture in elevazione a carpenteria metallica, é previsto l'impiego dei seguenti materiali:

CALCESTRUZZO

Per le strutture di fondazione di tipo continuo a sezione rettangolare, a T rovescia e ad L rovescia viene prevede utilizzato calcestruzzo classe C 25/30.

Il calcestruzzo verrà confezionato con processo industrializzato, cioè prodotto in uno stabilimento esterno al cantiere, certificando la classe di resistenza del calcestruzzo fornito e rispettando tutte le prescrizioni riportate al par. 11.2.8 delle NTC08.

I componenti del calcestruzzo dovranno essere rispondenti a quanto prescritto nel par. 11.2.9 delle NTC 08:

1) LEGANTI: esclusivamente leganti idraulici, dotati di certificato di conformità. E' escluso l'impiego di cementi alluminosi

2) AGGREGATI: dovranno utilizzarsi quelli ottenuti dalla lavorazione di materiali naturali con diametro massimo di mm. 30

sabbia lavata e ben granata	granul. mm. 2
ghiaietto vagliato	" mm. 2-15
ghiaia vagliata	" mm. 15-30

così dosati:

-sabbia lavata	mc. 0,42 per mc. di calcestruzzo
-ghiaietto vagliato	mc. 0,42 per mc. di calcestruzzo
-ghiaia vagliata	mc. 0,42 per mc. di calcestruzzo

3) AGGIUNTE E ADDITIVI: conformi a par. 11.2.9.3 e 11.2.9.4 delle NTC08

4) ACQUA DI IMPASTO : potabile o priva di sali (solfuri o cloruri) e sostanze organiche – conforme alla norma UNI EN 1008: 2003

Il Direttore dei Lavori effettuerà il controllo di accettazione di tipo A, non essendo previsto l'impiego di più di 1.500 mc. di miscela omogenea. Il controllo di accettazione andrà eseguito secondo quanto previsto dal par. 11.2.5 delle NTC08.

ACCIAIO PER CEMENTO ARMATO NORMALE

Per gli acciai andranno eseguiti i seguenti controlli:

1) in stabilimento di produzione, da eseguirsi sui lotti di produzione: dovranno essere rispettati controlli di produzione, procedure di qualificazione, mantenimento e rinnovo della qualificazione, identificazione e rintracciabilità dei prodotti qualificati, forniture e documentazione di accompagnamento, prove di qualificazione e verifiche periodiche della qualità, così come prescritto dalle NTC08 dal par. 11.3.1.2 al par. 11.3.1.6, nonché nel par. 11.3.2.10.1;

2) nei centri di trasformazione, da eseguirsi sulle forniture: i centri di trasformazione dovranno attenersi a quanto prescritto nel par. 11.3.1.7, nel par. 11.3.2.6 e nel par. 11.3.2.10.3 delle NTC08;

3) di accettazione in cantiere, da eseguirsi sui lotti di spedizione, secondo quanto prescritto al par. 11.3.2.10.4 delle NTC08.

   E' ammesso esclusivamente l'impiego di acciai saldabili qualificati secodo le procedure sopra esposte.

   E' previsto l'impiego di acciaio per cemento armato B450C rispondente ai ai requisiti indicati nel par. 11.3.2.1 delle NTC08

   L'accertamento delle proprietà meccaniche dovrà rispettarsi il par. 11.3.2.3 delle NTC08.
   Le caratteristiche dimensionali e d'impiego rispetteranno il par. 11.3.2.4 delle NTC08.

ACCIAIO PER STRUTTURE METALLICHE

Dovranno essere utilizzati acciai conformi alle norme armonizzate della serie UNI EN 10025 (per i laminati), UNI EN 10210 (per i tubi senza saldatura) e UNI EN 10219-1 (per i tubi saldati), recanti la Marcatura CE, cui si applica il sistema di attestazione della conformità 2+ e secondo quanto specificato al punto A del par. 11.1 delle NTC08.

Per l'accertamento delle caratteristiche meccaniche il prelievo dei saggi, la posizione nel pezzo da cui essi devono essere prelevati, la preparazione delle provette

e le modalità di prova devono rispondere alle prescrizioni delle norme UNI EN ISO 377:1999, UNI 552:1986, EN 1002-1:2004, UNI EN ISO 10045:1992.

Verrà utilizzato acciaio S 275 secondo UNI 10025-2 per laminati a caldo con profili a sezione aperta; acciaio S275H secondo UNI EN 10210-1 per laminati a caldo con profili a sezione cava.

I controlli sui prodotti laminati verranno eseguiti secondo le prescrizioni di cui al par. 11.3.4.10 delle NTC08.
La documentazione di accompagnamento delle forniture saranno conformi a quanto disposto dal par. 11.3.1.5 delle NTC08.

L'acciaio per strutture saldate sarà conforme alle prescrizioni del par. 11.3.4.4 delle NTC08.
I procedimenti di saldatura andranno eseguiti secondo quanto disposto dal par. 11.3.4.5 delle NTC08.

I bulloni (del tipo normale 6.8) impiegati nelle unioni a taglio devono soddisfare i requisiti di cui alla norma armonizzata UNI EN 15048-1:2007 "Bulloneria strutturale non a serraggio controllato" e recare relativa marcatura CE, con le specificazioni di cui al punto A del par. 11.1 delle NTC08.

Teramo, li

I progettisti

Architetti Ilario Tottone e Maurizio De Siati

RELAZIONE DI CALCOLO

En.Ex.Sys. WinStrand

- Structural Analisys & Design

Ditta produttrice:
En.Ex.Sys. s.r.l. - Via Tizzano 46/2 - Casalecchio di Reno (Bologna)

Sigla:
WinStrand

Piattaforma software:
Microsoft Windows XP Home, Microsoft Windows XP Home Professional

Documentazione in uso:
Manuale teorico - Manuale d'uso

Campo di applicazione:
Analisi statica e dinamica di strutture in campo elastico lineare.

- Elementi finiti implementati

- Truss.
- Beam (Modellazione di Travi e Pilastri).
- Travi su suolo elastico alla Winckler.
- Plinti su suolo elastico alla Winckler.
- Elementi Shear Wall per la modellazione di pareti di taglio.
- Elementi shell (lastra/piastra) equivalenti.
- Elementi Isoparametrici a 8 Nodi Shell (lastra/piastra).

- Schemi di Carico

- Carichi nodali concentrati.
- Carichi applicati direttamente agli elementi.
- Carichi Superficiali.

- Tipo di Risoluzione

- Analisi statica e/o dinamica in campo lineare con il metodo dell'equilibrio.
- Fattorizzazione LDL^T.
- Analisi Statica:
    -
    - o modellazione generale 6 gradi di libertà per nodo.
    - o ipotesi di solai infinitamente rigidi nel proprio piano (3 gradi di libertà per nodo + 3 per impalcato).
- Analisi dinamica. (Nel caso di analisi modale gli autovettori ed autovalori possono essere calcolati mediante *subspace iteration* oppure tramite il *metodo dei vettori di Ritz*):
    -
    - o Via statica equivalente.
    - o Modale con il metodo dello spettro di risposta.

- Normativa di riferimento

La normativa italiana cui viene fatto riferimento nelle fasi di calcolo e progettazione è la seguente:

- Legge n. 1086 del 5 Novembre 1971. *"Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso, ed a struttura metallica"*.
- Legge n. 64 del 2 Febbraio 1974. *"Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche"*.
- D.M. del 3 Marzo 1975. *"Approvazione delle norme tecniche per le costruzioni in zone sismiche"*.
- D.M. del 3 Marzo 1975. *"Disposizioni concernenti l'applicazione delle norme tecniche per le costruzioni in zone sismiche"*.
- D.M. del 3 Ottobre 1978. *"Criteri generali per la verifica della sicurezza delle costruzioni e dei carichi e sovraccarichi"*.
- D.M. del 14 Febbraio 1992. *"Norme Tecniche per l'esecuzione delle opere in C.A. normale e precompresso e per le strutture metalliche"*.
- *Istruzioni per la valutazione delle: Azioni sulle Costruzioni*. (C.N.R. 10012/85)
- D.M. del 9 Gennaio 1996. *"Norme Tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche"*.
- D.M. del 16 Gennaio 1996. *"Norme tecniche relative ai «Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi»"*.
- D.M del 16 Gennaio 1996. *"Norme tecniche per le costruzioni in zone sismiche"*
- Ordinanza n. 3274 del 20 Marzo 2003. *"Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica"*
- Ordinanza n. 3316. *"Modifiche ed integrazioni all'ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 Marzo 2003"*
- D.M. del 14 Gennaio 2008 *"Approvazione delle nuove norme tecniche per le costruzioni"*

- Indice

- Dati relativi ai nodi della struttura

- Convenzioni adottate

La terna di riferimento generale è destrorsa.

I nodi vengono numerati, con riferimento a una sezione orizzontale, da sinistra a destra, dal basso verso l'alto e per quote crescenti.

L'impalcato di appartenenza di un nodo è definito, in generale, dalla prima delle tre cifre che ne definiscono il numero, possono tuttavia presentarsi casi in cui si hanno più di 100 nodi per solaio nel qual caso il solaio di appartenenza è specificato dall'ultimo valore stampato nella riga dei dati relativi al nodo.

La maschera dei vincoli è costituita dai valori 0 e 1. Il valore 1 indica che per il nodo in riferimento il grado di libertà correlativo è soppresso mentre il valore 0 indica che è libero.

Nel caso di edifici civili multipiano l'asse *z* generale coincide con l'asse verticale rivolto verso l'alto.

- Nodi

Nodo	x [m]	y [m]	z [m]	Ux	Uy	Uz	Rx	Ry	Rz	Solaio
1	0.00	0.00	0.00	1	1	0	0	0	1	0
2	3.20	0.00	0.00	1	1	0	0	0	1	0
3	7.65	0.00	0.00	1	1	0	0	0	1	0
4	11.85	0.00	0.00	1	1	0	0	0	1	0
5	18.10	0.00	0.00	1	1	0	0	0	1	0
6	21.55	0.00	0.00	1	1	0	0	0	1	0
7	21.55	3.20	0.00	1	1	0	0	0	1	0
8	0.00	3.20	0.00	1	1	0	0	0	1	0
9	3.20	3.20	0.00	1	1	0	0	0	1	0
10	7.65	3.20	0.00	1	1	0	0	0	1	0
11	11.85	3.20	0.00	1	1	0	0	0	1	0
12	18.10	3.20	0.00	1	1	0	0	0	1	0
13	0.00	7.65	0.00	1	1	0	0	0	1	0
14	3.20	7.65	0.00	1	1	0	0	0	1	0
15	7.65	7.65	0.00	1	1	0	0	0	1	0
16	11.85	7.65	0.00	1	1	0	0	0	1	0
17	18.10	7.65	0.00	1	1	0	0	0	1	0
18	21.55	7.65	0.00	1	1	0	0	0	1	0
19	0.00	13.90	0.00	1	1	0	0	0	1	0
20	3.20	13.90	0.00	1	1	0	0	0	1	0
21	7.65	13.90	0.00	1	1	0	0	0	1	0
22	0.00	20.15	0.00	1	1	0	0	0	1	0
23	3.20	20.15	0.00	1	1	0	0	0	1	0
24	7.65	20.15	0.00	1	1	0	0	0	1	0
25	0.00	26.40	0.00	1	1	0	0	0	1	0
26	3.20	26.40	0.00	1	1	0	0	0	1	0
27	7.65	26.40	0.00	1	1	0	0	0	1	0
28	9.05	8.98	2.88	0	0	0	0	0	0	0
29	10.45	8.98	2.88	0	0	0	0	0	0	0
30	11.85	8.98	2.88	0	0	0	0	0	0	0
31	13.41	8.98	2.88	0	0	0	0	0	0	0
32	14.98	8.98	2.88	0	0	0	0	0	0	0
33	16.54	8.98	2.88	0	0	0	0	0	0	0
34	18.10	8.98	2.88	0	0	0	0	0	0	0
35	19.83	8.98	2.88	0	0	0	0	0	0	0
36	21.55	8.98	2.88	0	0	0	0	0	0	0
37	8.98	10.77	2.88	0	0	0	0	0	0	0

38	8.98	12.34	2.88	0	0	0	0	0	0	0
39	8.98	13.90	2.88	0	0	0	0	0	0	0
40	8.98	15.46	2.88	0	0	0	0	0	0	0
41	8.98	17.02	2.88	0	0	0	0	0	0	0
42	8.98	18.59	2.88	0	0	0	0	0	0	0
43	8.98	20.15	2.88	0	0	0	0	0	0	0
44	8.98	21.71	2.88	0	0	0	0	0	0	0
45	8.98	23.27	2.88	0	0	0	0	0	0	0
46	8.98	24.84	2.88	0	0	0	0	0	0	0
47	8.98	26.40	2.88	0	0	0	0	0	0	0
48	3.20	3.20	3.20	0	0	0	0	0	0	0
49	7.65	7.65	3.20	0	0	0	0	0	0	0
50	11.85	7.65	3.20	0	0	0	0	0	0	0
51	18.10	7.65	3.20	0	0	0	0	0	0	0
52	21.55	7.65	3.20	0	0	0	0	0	0	0
53	9.05	7.65	3.20	0	0	0	0	0	0	0
54	10.45	7.65	3.20	0	0	0	0	0	0	0
55	13.41	7.65	3.20	0	0	0	0	0	0	0
56	14.98	7.65	3.20	0	0	0	0	0	0	0
57	16.54	7.65	3.20	0	0	0	0	0	0	0
58	19.83	7.65	3.20	0	0	0	0	0	0	0
59	7.65	9.21	3.20	0	0	0	0	0	0	0
60	7.65	10.77	3.20	0	0	0	0	0	0	0
61	7.65	12.34	3.20	0	0	0	0	0	0	0
62	7.65	13.90	3.20	0	0	0	0	0	0	0
63	7.65	15.46	3.20	0	0	0	0	0	0	0
64	7.65	17.02	3.20	0	0	0	0	0	0	0
65	7.65	18.59	3.20	0	0	0	0	0	0	0
66	7.65	20.15	3.20	0	0	0	0	0	0	0
67	7.65	21.71	3.20	0	0	0	0	0	0	0
68	7.65	23.27	3.20	0	0	0	0	0	0	0
69	7.65	24.84	3.20	0	0	0	0	0	0	0
70	7.65	26.40	3.20	0	0	0	0	0	0	0
71	5.43	5.43	3.73	0	0	0	0	0	0	0
72	7.65	5.43	3.73	0	0	0	0	0	0	0
73	9.05	5.43	3.73	0	0	0	0	0	0	0
74	10.45	5.43	3.73	0	0	0	0	0	0	0
75	11.85	5.43	3.73	0	0	0	0	0	0	0
76	13.41	5.43	3.73	0	0	0	0	0	0	0
77	14.98	5.43	3.73	0	0	0	0	0	0	0
78	16.54	5.43	3.73	0	0	0	0	0	0	0
79	18.10	5.43	3.73	0	0	0	0	0	0	0
80	19.83	5.43	3.73	0	0	0	0	0	0	0
81	21.55	5.43	3.73	0	0	0	0	0	0	0
82	5.43	7.65	3.73	0	0	0	0	0	0	0
83	5.43	9.21	3.73	0	0	0	0	0	0	0
84	5.43	10.77	3.73	0	0	0	0	0	0	0
85	5.43	12.34	3.73	0	0	0	0	0	0	0
86	5.43	13.90	3.73	0	0	0	0	0	0	0
87	5.43	15.46	3.73	0	0	0	0	0	0	0
88	5.43	17.02	3.73	0	0	0	0	0	0	0
89	5.43	18.59	3.73	0	0	0	0	0	0	0
90	5.43	20.15	3.73	0	0	0	0	0	0	0
91	5.43	21.71	3.73	0	0	0	0	0	0	0
92	5.43	23.27	3.73	0	0	0	0	0	0	0
93	5.43	24.84	3.73	0	0	0	0	0	0	0
94	5.43	26.40	3.73	0	0	0	0	0	0	0
95	0.00	0.00	4.00	0	0	0	0	0	0	0
96	3.20	0.00	4.00	0	0	0	0	0	0	0

97	7.65	0.00	4.00	0	0	0	0	0	0	0
98	11.85	0.00	4.00	0	0	0	0	0	0	0
99	18.10	0.00	4.00	0	0	0	0	0	0	0
100	21.55	0.00	4.00	0	0	0	0	0	0	0
101	0.00	3.20	4.00	0	0	0	0	0	0	0
102	0.00	7.65	4.00	0	0	0	0	0	0	0
103	0.00	13.90	4.00	0	0	0	0	0	0	0
104	0.00	20.15	4.00	0	0	0	0	0	0	0
105	0.00	26.40	4.00	0	0	0	0	0	0	0
106	3.20	3.20	4.27	0	0	0	0	0	0	0
107	4.68	3.20	4.27	0	0	0	0	0	0	0
108	6.17	3.20	4.27	0	0	0	0	0	0	0
109	7.65	3.20	4.27	0	0	0	0	0	0	0
110	9.05	3.20	4.27	0	0	0	0	0	0	0
111	10.45	3.20	4.27	0	0	0	0	0	0	0
112	11.85	3.20	4.27	0	0	0	0	0	0	0
113	13.41	3.20	4.27	0	0	0	0	0	0	0
114	14.98	3.20	4.27	0	0	0	0	0	0	0
115	16.54	3.20	4.27	0	0	0	0	0	0	0
116	18.10	3.20	4.27	0	0	0	0	0	0	0
117	19.83	3.20	4.27	0	0	0	0	0	0	0
118	21.55	3.20	4.27	0	0	0	0	0	0	0
119	3.20	4.68	4.27	0	0	0	0	0	0	0
120	3.20	6.17	4.27	0	0	0	0	0	0	0
121	3.20	7.65	4.27	0	0	0	0	0	0	0
122	3.20	9.21	4.27	0	0	0	0	0	0	0
123	3.20	10.77	4.27	0	0	0	0	0	0	0
124	3.20	12.34	4.27	0	0	0	0	0	0	0
125	3.20	13.90	4.27	0	0	0	0	0	0	0
126	3.20	15.46	4.27	0	0	0	0	0	0	0
127	3.20	17.02	4.27	0	0	0	0	0	0	0
128	3.20	18.59	4.27	0	0	0	0	0	0	0
129	3.20	20.15	4.27	0	0	0	0	0	0	0
130	3.20	21.71	4.27	0	0	0	0	0	0	0
131	3.20	23.27	4.27	0	0	0	0	0	0	0
132	3.20	24.84	4.27	0	0	0	0	0	0	0
133	3.20	26.40	4.27	0	0	0	0	0	0	0
134	1.60	1.60	4.65	0	0	0	0	0	0	0
135	3.20	1.60	4.65	0	0	0	0	0	0	0
136	4.68	1.60	4.65	0	0	0	0	0	0	0
137	6.17	1.60	4.65	0	0	0	0	0	0	0
138	7.65	1.60	4.65	0	0	0	0	0	0	0
139	9.05	1.60	4.65	0	0	0	0	0	0	0
140	10.45	1.60	4.65	0	0	0	0	0	0	0
141	11.85	1.60	4.65	0	0	0	0	0	0	0
142	13.41	1.60	4.65	0	0	0	0	0	0	0
143	14.98	1.60	4.65	0	0	0	0	0	0	0
144	16.54	1.60	4.65	0	0	0	0	0	0	0
145	18.10	1.60	4.65	0	0	0	0	0	0	0
146	19.83	1.60	4.65	0	0	0	0	0	0	0
147	21.55	1.60	4.65	0	0	0	0	0	0	0
148	1.60	3.20	4.65	0	0	0	0	0	0	0
149	1.60	4.68	4.65	0	0	0	0	0	0	0
150	1.60	6.17	4.65	0	0	0	0	0	0	0
151	1.60	7.65	4.65	0	0	0	0	0	0	0
152	1.60	9.21	4.65	0	0	0	0	0	0	0
153	1.60	10.77	4.65	0	0	0	0	0	0	0
154	1.60	12.34	4.65	0	0	0	0	0	0	0
155	1.60	13.90	4.65	0	0	0	0	0	0	0

156	1.60	15.46	4.65	0	0	0	0	0	0	0
157	1.60	17.02	4.65	0	0	0	0	0	0	0
158	1.60	18.59	4.65	0	0	0	0	0	0	0
159	1.60	20.15	4.65	0	0	0	0	0	0	0
160	1.60	21.71	4.65	0	0	0	0	0	0	0
161	1.60	23.27	4.65	0	0	0	0	0	0	0
162	1.60	24.84	4.65	0	0	0	0	0	0	0
163	1.60	26.40	4.65	0	0	0	0	0	0	0
164	0.00	0.00	5.04	0	0	0	0	0	0	0
165	3.20	0.00	5.04	0	0	0	0	0	0	0
166	4.68	0.00	5.04	0	0	0	0	0	0	0
167	6.17	0.00	5.04	0	0	0	0	0	0	0
168	7.65	0.00	5.04	0	0	0	0	0	0	0
169	9.05	0.00	5.04	0	0	0	0	0	0	0
170	10.45	0.00	5.04	0	0	0	0	0	0	0
171	11.85	0.00	5.04	0	0	0	0	0	0	0
172	13.41	0.00	5.04	0	0	0	0	0	0	0
173	14.98	0.00	5.04	0	0	0	0	0	0	0
174	16.54	0.00	5.04	0	0	0	0	0	0	0
175	18.10	0.00	5.04	0	0	0	0	0	0	0
176	19.83	0.00	5.04	0	0	0	0	0	0	0
177	21.55	0.00	5.04	0	0	0	0	0	0	0
178	0.00	3.20	5.04	0	0	0	0	0	0	0
179	0.00	4.68	5.04	0	0	0	0	0	0	0
180	0.00	6.17	5.04	0	0	0	0	0	0	0
181	0.00	7.65	5.04	0	0	0	0	0	0	0
182	0.00	9.21	5.04	0	0	0	0	0	0	0
183	0.00	10.77	5.04	0	0	0	0	0	0	0
184	0.00	12.34	5.04	0	0	0	0	0	0	0
185	0.00	13.90	5.04	0	0	0	0	0	0	0
186	0.00	15.46	5.04	0	0	0	0	0	0	0
187	0.00	17.02	5.04	0	0	0	0	0	0	0
188	0.00	18.59	5.04	0	0	0	0	0	0	0
189	0.00	20.15	5.04	0	0	0	0	0	0	0
190	0.00	21.71	5.04	0	0	0	0	0	0	0
191	0.00	23.27	5.04	0	0	0	0	0	0	0
192	0.00	24.84	5.04	0	0	0	0	0	0	0
193	0.00	26.40	5.04	0	0	0	0	0	0	0

- Elementi tipo pilastro

- Convenzioni adottate

Ogni elemento tipo pilastro viene identificato da:

- Il nodo iniziale **i**;
- Il nodo finale **j**;
- Il nodo **k** che definisce l'orientamento nello spazio della terna riferimento locale dell'elemento.

La terna di riferimento locale del pilastro risulta quindi essere cosi disposta:

Sistema di riferimento locale

Vengono riportati i valori di efficacia dei vincoli flessionali alle estremità dell'elemento (variabili fra lo **0%** e il **100%**), nei due piani **1-2** e **1-3** del pilastro in corrispondenza dei nodi, dando quindi la possibilità di considerare aste non perfettamente incastrate alle estremità (coefficienti **Vi12 - Vj12 - Vi13 - Vj13**).

In generale, se non diversamente disposto, l'asse 2 coincide, per i pilastri, con l'asse **y** globale e pertanto la disposizione della sezione coincide con quella che si avrebbe in una vista in pianta.

- Caratteristiche dei Materiali:

Tipo	Modulo Elastico [MPa]	v	alfa [1/°C]	Peso Specifico [N/mc]	Commento
1	31475.00	0.120	0.000012	25000.0	Calcestruzzo C25/30
2	210000.00	0.330	0.000012	78500.0	Acciaio
3	13700.00	0.500	0.000005	7000.0	Legno

- Sezioni Impiegate:

Sezione	Materiale	Tipo di Sezione	Parametri Dimensionali Commenti
1	1	Rett.	B= 300 H= 500 [mm] pilastro 30x50
2	1	Rett.	B= 500 H= 300 [mm] pilastro 50x30
3	1	Rett.	B= 500 H= 250 [mm] pilastro 50x25
4	1	Rett.	B= 250 H= 500 [mm] pilastro 25x50

- Caratteristiche Inerziali:

Sezione	Materiale	Area [mm²]	Jt [mm^4]	J2 [mm^4]	J3 [mm^4]	J23 [mm^4]	Xx	Xy
1	1	150000	2736560069	3124999814	1124999719	0	1.2	1.2
2	1	150000	2736560069	1124999719	3124999814	0	1.2	1.2
3	1	125000	1787790214	651041686	2604166744	0	1.2	1.2
4	1	125000	1787790214	2604166744	651041686	0	1.2	1.2

Piano	Pilastro	Nodo i	Nodo j	Nodo k	Materiale	Sezione	Luce [m]	Vi12	Vj12	Vi13	Vj13
0	7	7	118	10225	1	4	4.27	100	100	100	100
0	10	10	109	10228	1	4	4.27	100	100	100	100
0	11	11	112	10226	1	4	4.27	100	100	100	100
0	12	12	116	10227	1	4	4.27	100	100	100	100

0	14	14	121	10008	1	3	4.27	100	100	100	100
0	15	15	49	10186	1	4	3.20	100	100	100	100
0	16	16	50	10187	1	4	3.20	100	100	100	100
0	17	17	51	10188	1	4	3.20	100	100	100	100
0	18	18	52	10189	1	4	3.20	100	100	100	100
0	20	20	125	10229	1	3	4.27	100	100	100	100
0	21	21	62	10185	1	3	3.20	100	100	100	100
0	23	23	129	10231	1	3	4.27	100	100	100	100
0	24	24	66	10184	1	3	3.20	100	100	100	100
0	26	26	133	10230	1	3	4.27	100	100	100	100
0	27	27	70	10183	1	3	3.20	100	100	100	100
0	9	9	48	10211	1	3	3.20	100	100	100	100
0	48	48	106	10043	1	3	1.07	100	100	100	100
0	1	1	95	10023	1	4	4.00	100	100	100	100
0	95	95	164	10023	1	4	1.04	100	100	100	100
0	2	2	96	10014	1	3	4.00	100	100	100	100
0	96	96	165	10009	1	3	1.04	100	100	100	100
0	3	3	97	10015	1	3	4.00	100	100	100	100
0	97	97	168	10010	1	3	1.04	100	100	100	100
0	4	4	98	10016	1	3	4.00	100	100	100	100
0	98	98	171	10011	1	3	1.04	100	100	100	100
0	5	5	99	10017	1	3	4.00	100	100	100	100
0	99	99	175	10012	1	3	1.04	100	100	100	100
0	6	6	100	10018	1	3	4.00	100	100	100	100
1	100	100	177	10013	1	3	1.04	100	100	100	100
0	8	8	101	10031	1	4	4.00	100	100	100	100
1	101	101	178	10031	1	4	1.04	100	100	100	100
0	13	13	102	10050	1	4	4.00	100	100	100	100
1	102	102	181	10050	1	4	1.04	100	100	100	100
0	19	19	103	10070	1	4	4.00	100	100	100	100
1	103	103	185	10070	1	4	1.04	100	100	100	100
0	22	22	104	10089	1	4	4.00	100	100	100	100
1	104	104	189	10089	1	4	1.04	100	100	100	100
0	25	25	105	10182	1	4	4.00	100	100	100	100
1	105	105	193	10182	1	4	1.04	100	100	100	100

- Elementi tipo trave

- Convenzioni adottate

Ogni elemento tipo trave viene identificato da:

- Il nodo iniziale **i**;
- Il nodo finale **j**;
- Il nodo **k** che definisce l'orientamento nello spazio della terna riferimento locale dell'elemento.

La terna di riferimento locale della trave risulta essere così disposta:

Vengono riportati i valori di efficacia dei vincoli alle estreità dello elemento (variabili fra 0 e 100%), nei due piani **1-2** e **1-3** della trave in corrispondenza dei nodi, dando quindi la possibilità di considerare aste non perfettamente incastrate (coefficienti **Vi12, Vj12, Vi13, Vj13**).

- Caratteristiche dei Materiali:

Tipo	Modulo Elastico [MPa]	v	alfa [1/°C]	Peso Specifico [N/mc]	Commento
1	31475.00	0.120	0.000012	25000.0	Calcestruzzo C25/30
2	210000.00	0.330	0.000012	78500.0	Acciaio
3	13700.00	0.500	0.000005	7000.0	Legno

- Sezioni Impiegate:

Sezione	Materiale	Tipo di Sezione	Parametri Dimensionali Commenti
1	1	Rett.	B= 250 H= 400 [mm] trave c.a. 25x40
2	3	Rett.	B= 200 H= 400 [mm] trave legno 20x40
3	3	Rett.	B= 140 H= 280 [mm] trave legno 14x28
4	3	Rett.	B= 120 H= 240 [mm] trave legno 12x24
5	3	Rett.	B= 80 H= 140 [mm] trave legno 8x14

- Caratteristiche Inerziali:

Sezione	Materiale	Area [mm²]	Jt [mm^4]	J2 [mm^4]	J3 [mm^4]	J23 [mm^4]	Xx	Xy
1	1	100000	1231009723	1333333086	520833302	0	1.2	1.2
2	3	80000	732278742	1066666446	266666611	0	1.2	1.2
3	3	39200	175820154	256106665	64026666	0	1.2	1.2
4	3	28800	94903335	138239993	34559998	0	1.2	1.2
5	3	11200	15028300	18293333	5973333	0	1.2	1.2

Travata	Trave	Nodo i	Nodo j	Nodo k	Materiale	Sezione	Luce [m]	Vi12	Vj12	Vi13	Vj13
1	1	52	36	10161	3	4	1.36	100	100	100	100
1	2	81	52	10162	1	1	2.29	100	100	100	100
2	1	147	118	10163	1	1	1.65	100	100	100	100
2	2	177	147	10137	1	1	1.65	100	100	100	100
3	1	118	81	10163	1	1	2.29	100	100	100	100
4	1	148	106	10032	3	4	1.65	100	100	100	100
4	2	178	148	10035	3	4	1.65	100	100	100	100

5	1	57	33	10152	3	4	1.36	100	100	100	100
6	1	51	34	10155	3	4	1.36	100	100	100	100
7	1	58	35	10158	3	4	1.36	100	100	100	100
7	2	80	58	10159	3	4	2.29	100	100	100	100
8	1	79	51	10156	1	1	2.29	100	100	100	100
9	1	78	57	10153	3	4	2.29	100	100	100	100
10	1	174	144	10152	3	4	1.65	100	100	100	100
11	1	146	117	10135	3	4	1.65	100	100	100	100
11	2	176	146	10136	3	4	1.65	100	100	100	100
12	1	145	116	10220	1	1	1.65	100	100	100	100
12	2	175	145	10219	1	1	1.65	100	100	100	100
13	1	144	115	10232	3	4	1.65	100	100	100	100
14	1	117	80	10160	3	4	2.29	100	100	100	100
15	1	116	79	10157	1	1	2.29	100	100	100	100
16	1	115	78	10154	3	4	2.29	100	100	100	100
17	1	50	30	10143	3	4	1.36	100	100	100	100
17	2	75	50	10144	1	1	2.29	100	100	100	100
18	1	141	112	10210	1	1	1.65	100	100	100	100
18	2	171	141	10216	1	1	1.65	100	100	100	100
19	1	112	75	10145	1	1	2.29	100	100	100	100
20	1	182	152	10050	3	4	1.65	100	100	100	100
20	2	152	122	10049	3	4	1.65	100	100	100	100
20	3	122	83	10048	3	4	2.29	100	100	100	100
20	4	83	59	10047	3	4	2.29	100	100	100	100
21	1	55	31	10146	3	4	1.36	100	100	100	100
22	1	56	32	10149	3	4	1.36	100	100	100	100
23	1	54	29	10140	3	4	1.36	100	100	100	100
24	1	49	28	10027	3	2	1.95	100	100	100	100
24	2	82	49	10224	1	1	2.29	100	100	100	100
25	1	181	151	10046	1	1	1.65	100	100	100	100
25	2	151	121	10045	1	1	1.65	100	100	100	100
25	3	121	82	10044	1	1	2.29	100	100	100	100
26	1	77	56	10150	3	4	2.29	100	100	100	100
27	1	76	55	10147	3	4	2.29	100	100	100	100
28	1	74	54	10141	3	4	2.29	100	100	100	100
29	1	72	49	10223	1	1	2.29	100	100	100	100
29	2	71	49	10028	1	1	3.19	100	100	100	100
30	1	150	120	10117	3	4	1.65	100	100	100	100
30	2	180	150	10117	3	4	1.65	100	100	100	100
31	1	73	53	10138	3	4	2.29	100	100	100	100
32	1	172	142	10133	3	4	1.65	100	100	100	100
33	1	173	143	10134	3	4	1.65	100	100	100	100
33	2	143	114	10218	3	4	1.65	100	100	100	100
34	1	142	113	10217	3	4	1.65	100	100	100	100
35	1	114	77	10151	3	4	2.29	100	100	100	100
36	1	113	76	10148	3	4	2.29	100	100	100	100
37	1	170	140	10215	3	4	1.65	100	100	100	100
37	2	140	111	10215	3	4	1.65	100	100	100	100
37	3	111	74	10142	3	4	2.29	100	100	100	100
38	1	109	72	10222	1	1	2.29	100	100	100	100
39	1	168	138	10212	1	1	1.65	100	100	100	100
39	2	138	109	10213	1	1	1.65	100	100	100	100
40	1	106	71	10029	1	1	3.19	100	100	100	100
41	1	149	119	10030	3	4	1.65	100	100	100	100

41	2	179	149	10031	3	4	1.65	100	100	100	100
42	1	136	107	10034	3	4	1.65	100	100	100	100
43	1	137	108	10233	3	4	1.65	100	100	100	100
43	2	167	137	10233	3	4	1.65	100	100	100	100
44	1	166	136	10036	3	4	1.65	100	100	100	100
45	1	134	106	10038	1	1	2.30	100	100	100	100
45	2	164	134	10041	1	1	2.30	100	100	100	100
46	1	110	73	10139	3	4	2.29	100	100	100	100
46	2	139	110	10214	3	4	1.65	100	100	100	100
46	3	169	139	10132	3	4	1.65	100	100	100	100
47	1	135	106	10033	3	4	1.65	100	100	100	100
47	2	165	135	10037	3	4	1.65	100	100	100	100
48	1	60	37	10051	3	4	1.36	100	100	100	100
49	1	61	38	10056	3	4	1.36	100	100	100	100
49	2	85	61	10057	3	4	2.29	100	100	100	100
49	3	124	85	10058	3	4	2.29	100	100	100	100
49	4	154	124	10059	3	4	1.65	100	100	100	100
49	5	184	154	10060	3	4	1.65	100	100	100	100
50	1	183	153	10055	3	4	1.65	100	100	100	100
50	2	153	123	10054	3	4	1.65	100	100	100	100
50	3	123	84	10053	3	4	2.29	100	100	100	100
50	4	84	60	10052	3	4	2.29	100	100	100	100
51	1	64	41	10071	3	4	1.36	100	100	100	100
52	1	65	42	10076	3	4	1.36	100	100	100	100
53	1	67	44	10085	3	4	1.36	100	100	100	100
54	1	66	43	10019	3	4	1.36	100	100	100	100
55	1	190	160	10089	3	4	1.65	100	100	100	100
55	2	160	130	10088	3	4	1.65	100	100	100	100
55	3	130	91	10087	3	4	2.29	100	100	100	100
55	4	91	67	10086	3	4	2.29	100	100	100	100
56	1	189	159	10084	1	1	1.65	100	100	100	100
56	2	159	129	10083	1	1	1.65	100	100	100	100
56	3	129	90	10082	1	1	2.29	100	100	100	100
56	4	90	66	10081	1	1	2.29	100	100	100	100
57	1	188	158	10080	3	4	1.65	100	100	100	100
57	2	158	128	10079	3	4	1.65	100	100	100	100
57	3	128	89	10078	3	4	2.29	100	100	100	100
57	4	89	65	10077	3	4	2.29	100	100	100	100
58	1	187	157	10075	3	4	1.65	100	100	100	100
58	2	157	127	10074	3	4	1.65	100	100	100	100
58	3	127	88	10073	3	4	2.29	100	100	100	100
58	4	88	64	10072	3	4	2.29	100	100	100	100
59	1	62	39	10061	3	4	1.36	100	100	100	100
60	1	185	155	10065	1	1	1.65	100	100	100	100
60	2	155	125	10064	1	1	1.65	100	100	100	100
60	3	125	86	10063	1	1	2.29	100	100	100	100
60	4	86	62	10062	1	1	2.29	100	100	100	100
61	1	63	40	10066	3	4	1.36	100	100	100	100
62	1	186	156	10070	3	4	1.65	100	100	100	100
62	2	156	126	10069	3	4	1.65	100	100	100	100
62	3	126	87	10068	3	4	2.29	100	100	100	100
62	4	87	63	10067	3	4	2.29	100	100	100	100
63	1	68	45	10090	3	4	1.36	100	100	100	100
64	1	191	161	10094	3	4	1.65	100	100	100	100

64	2	161	131	10093	3	4	1.65	100	100	100	100
64	3	131	92	10092	3	4	2.29	100	100	100	100
64	4	92	68	10091	3	4	2.29	100	100	100	100
65	1	69	46	10095	3	4	1.36	100	100	100	100
66	1	70	47	10100	3	4	1.36	100	100	100	100
67	1	193	163	10104	1	1	1.65	100	100	100	100
67	2	163	133	10103	1	1	1.65	100	100	100	100
67	3	133	94	10102	1	1	2.29	100	100	100	100
67	4	94	70	10101	1	1	2.29	100	100	100	100
68	1	192	162	10099	3	4	1.65	100	100	100	100
68	2	162	132	10098	3	4	1.65	100	100	100	100
68	3	132	93	10097	3	4	2.29	100	100	100	100
68	4	93	69	10096	3	4	2.29	100	100	100	100
74	1	28	29	10297	3	5	1.40	0	0	0	0
74	2	29	30	10298	3	5	1.40	0	0	0	0
74	3	30	31	10299	3	5	1.56	0	0	0	0
74	4	31	32	10300	3	5	1.57	0	0	0	0
74	5	32	33	10301	3	5	1.57	0	0	0	0
74	6	33	34	10302	3	5	1.56	0	0	0	0
74	7	34	35	10303	3	5	1.73	0	0	0	0
74	8	35	36	10304	3	5	1.72	0	0	0	0
75	1	49	53	10181	1	1	1.40	100	100	100	100
75	2	53	54	10180	1	1	1.40	100	100	100	100
75	3	54	50	10179	1	1	1.40	100	100	100	100
75	4	50	55	10178	1	1	1.56	100	100	100	100
75	5	55	56	10177	1	1	1.57	100	100	100	100
75	6	56	57	10176	1	1	1.57	100	100	100	100
75	7	57	51	10175	1	1	1.56	100	100	100	100
75	8	51	58	10174	1	1	1.73	100	100	100	100
75	9	58	52	10173	1	1	1.72	100	100	100	100
76	1	72	71	10287	3	5	2.22	0	0	0	0
76	2	72	73	10288	3	5	1.40	0	0	0	0
76	3	73	74	10289	3	5	1.40	0	0	0	0
76	4	74	75	10290	3	5	1.40	0	0	0	0
76	5	75	76	10291	3	5	1.56	0	0	0	0
76	6	76	77	10292	3	5	1.57	0	0	0	0
76	7	77	78	10293	3	5	1.57	0	0	0	0
76	8	78	79	10294	3	5	1.56	0	0	0	0
76	9	79	80	10295	3	5	1.73	0	0	0	0
76	10	80	81	10296	3	5	1.72	0	0	0	0
78	1	106	107	10041	1	1	1.48	100	100	100	100
78	2	107	108	10040	1	1	1.48	100	100	100	100
78	3	108	109	10039	1	1	1.48	100	97	100	100
78	4	109	110	10172	1	1	1.40	100	97	100	100
78	5	110	111	10171	1	1	1.40	100	97	100	100
78	6	111	112	10170	1	1	1.40	100	100	100	100
78	7	112	113	10169	1	1	1.56	100	100	100	100
78	8	113	114	10168	1	1	1.57	100	100	100	100
78	9	114	115	10167	1	1	1.57	100	100	100	100
78	10	115	116	10166	1	1	1.56	100	100	100	100
78	11	116	117	10165	1	1	1.73	100	100	100	100
78	12	117	118	10164	1	1	1.72	100	100	100	100
79	1	134	135	10274	3	5	1.60	0	0	0	0
79	2	135	136	10275	3	5	1.48	0	0	0	0

79	3	136	137	10276	3	5	1.48	0	0	0	0
79	4	137	138	10277	3	5	1.48	0	0	0	0
79	5	138	139	10278	3	5	1.40	0	0	0	0
79	6	139	140	10279	3	5	1.40	0	0	0	0
79	7	140	141	10280	3	5	1.40	0	0	0	0
79	8	141	142	10281	3	5	1.56	0	0	0	0
79	9	142	143	10282	3	5	1.57	0	0	0	0
79	10	143	144	10283	3	5	1.57	0	0	0	0
79	11	144	145	10284	3	5	1.56	0	0	0	0
79	12	145	146	10285	3	5	1.73	0	0	0	0
79	13	146	147	10286	3	5	1.73	0	0	0	0
80	1	164	165	10201	3	3	3.20	100	100	100	100
80	2	165	166	10131	3	3	1.48	100	100	100	100
80	3	166	167	10131	3	3	1.48	100	100	100	100
80	4	167	168	10131	3	3	1.48	100	100	100	100
80	5	168	169	10190	3	3	1.40	100	100	100	100
80	6	169	170	10190	3	3	1.40	100	100	100	100
80	7	170	171	10190	3	3	1.40	100	100	100	100
80	8	171	172	10036	3	3	1.56	100	100	100	100
80	9	172	173	10036	3	3	1.57	100	100	100	100
80	10	173	174	10036	3	3	1.57	100	100	100	100
80	11	174	175	10036	3	3	1.56	100	100	100	100
80	12	175	176	10190	3	3	1.73	100	100	100	100
80	13	176	177	10190	3	3	1.72	100	100	100	100
87	1	37	38	10264	3	5	1.56	0	0	0	0
87	2	38	39	10265	3	5	1.56	0	0	0	0
87	3	39	40	10266	3	5	1.56	0	0	0	0
87	4	40	41	10267	3	5	1.56	0	0	0	0
87	5	41	42	10268	3	5	1.56	0	0	0	0
87	6	42	43	10269	3	5	1.56	0	0	0	0
87	7	43	44	10270	3	5	1.56	0	0	0	0
87	8	44	45	10271	3	5	1.56	0	0	0	0
87	9	45	46	10272	3	5	1.56	0	0	0	0
87	10	46	47	10273	3	5	1.56	0	0	0	0
88	1	49	59	10221	1	1	1.56	100	100	100	100
88	2	59	60	10105	1	1	1.56	100	100	100	100
88	3	60	61	10106	1	1	1.56	100	100	100	100
88	4	61	62	10107	1	1	1.56	100	100	100	100
88	5	62	63	10108	1	1	1.56	100	100	100	100
88	6	63	64	10109	1	1	1.56	100	100	100	100
88	7	64	65	10110	1	1	1.56	100	100	100	100
88	8	65	66	10111	1	1	1.56	100	100	100	100
88	9	66	67	10112	1	1	1.56	100	100	100	100
88	10	67	68	10113	1	1	1.56	100	100	100	100
88	11	68	69	10114	1	1	1.56	100	100	100	100
88	12	69	70	10115	1	1	1.56	100	100	100	100
89	1	71	82	10235	3	5	2.22	0	0	0	0
89	2	82	83	10240	3	5	1.56	0	0	0	0
89	3	83	84	10241	3	5	1.56	0	0	0	0
89	4	84	85	10242	3	5	1.56	0	0	0	0
89	5	85	86	10243	3	5	1.56	0	0	0	0
89	6	86	87	10244	3	5	1.56	0	0	0	0
89	7	87	88	10245	3	5	1.56	0	0	0	0
89	8	88	89	10246	3	5	1.56	0	0	0	0

89	9	89	90	10247	3	5	1.56	0	0	0	0
89	10	90	91	10248	3	5	1.56	0	0	0	0
89	11	91	92	10249	3	5	1.56	0	0	0	0
89	12	92	93	10250	3	5	1.56	0	0	0	0
89	13	93	94	10251	3	5	1.56	0	0	0	0
90	3	102	103	10031	1	1	6.25	100	100	100	100
91	1	119	106	10042	1	1	1.48	100	100	100	100
91	2	119	120	10116	1	1	1.48	100	100	100	100
91	3	120	121	10117	1	1	1.48	100	100	100	100
91	4	121	122	10118	1	1	1.56	100	100	100	100
91	5	122	123	10119	1	1	1.56	100	100	100	100
91	6	123	124	10120	1	1	1.56	100	100	100	100
91	7	124	125	10121	1	1	1.56	100	100	100	100
91	8	125	126	10122	1	1	1.56	100	100	100	100
91	9	126	127	10123	1	1	1.56	100	100	100	100
91	10	127	128	10124	1	1	1.56	100	100	100	100
91	11	128	129	10125	1	1	1.56	100	100	100	100
91	12	129	130	10126	1	1	1.56	100	100	100	100
91	13	130	131	10127	1	1	1.56	100	100	100	100
91	14	131	132	10128	1	1	1.56	100	100	100	100
91	15	132	133	10129	1	1	1.56	100	100	100	100
92	1	134	148	10239	3	5	1.60	0	0	0	0
92	2	148	149	10238	3	5	1.48	0	0	0	0
92	3	149	150	10237	3	5	1.48	0	0	0	0
92	4	150	151	10236	3	5	1.48	0	0	0	0
92	5	151	152	10252	3	5	1.56	0	0	0	0
92	6	152	153	10253	3	5	1.56	0	0	0	0
92	7	153	154	10254	3	5	1.56	0	0	0	0
92	8	154	155	10255	3	5	1.56	0	0	0	0
92	9	155	156	10256	3	5	1.56	0	0	0	0
92	10	156	157	10257	3	5	1.56	0	0	0	0
92	11	157	158	10258	3	5	1.56	0	0	0	0
92	12	158	159	10259	3	5	1.56	0	0	0	0
92	13	159	160	10260	3	5	1.56	0	0	0	0
92	14	160	161	10261	3	5	1.56	0	0	0	0
92	15	161	162	10262	3	5	1.56	0	0	0	0
92	16	162	163	10263	3	5	1.56	0	0	0	0
93	1	164	178	10192	3	3	3.20	100	100	100	100
93	2	178	179	10191	3	3	1.48	100	100	100	100
93	3	179	180	10191	3	3	1.48	100	100	100	100
93	4	180	181	10191	3	3	1.48	100	100	100	100
93	5	181	182	10191	3	3	1.56	100	100	100	100
93	6	182	183	10191	3	3	1.56	100	100	100	100
93	7	183	184	10191	3	3	1.56	100	100	100	100
93	8	184	185	10191	3	3	1.56	100	100	100	100
93	9	185	186	10191	3	3	1.56	100	100	100	100
93	10	186	187	10191	3	3	1.56	100	100	100	100
93	11	187	188	10191	3	3	1.56	100	100	100	100
93	12	188	189	10191	3	3	1.56	100	100	100	100
93	13	189	190	10191	3	3	1.56	100	100	100	100
93	14	190	191	10191	3	3	1.56	100	100	100	100
93	15	191	192	10191	3	3	1.56	100	100	100	100
93	16	192	193	10191	3	3	1.56	100	100	100	100
94	1	28	37	10234	3	5	1.80	0	0	0	0

- Elementi tipo trave su suolo alla Winkler

- Convenzioni adottate

Ogni elemento tipo trave su suolo alla Winkler viene identificato da:

- Il nodo iniziale *i*;
- il nodo finale *j*;
- il nodo *k* che definisce l'orientamento nello spazio della terna riferimento locale dell'elemento.

La terna di riferimento locale della trave risulta essere così disposta:

1. La modellazione del terreno sul quale agiscono le travi è alla Winkler e pertanto particolare attenzione va riposta ai casi in cui le travi inducano sul terreno zone di trazione poichè, in tal caso, la modellazione stessa cade in difetto.

- Caratteristiche dei Materiali:

Tipo	Modulo Elastico [MPa]	v	alfa [1/°C]	Peso Specifico [N/mc]	Commento
1	31475.00	0.120	0.000012	25000.0	Calcestruzzo C25/30
2	210000.00	0.330	0.000012	78500.0	Acciaio
3	13700.00	0.500	0.000005	7000.0	Legno

- Caratteristiche dei Terreni di Fondazione:

Tipo	Costante di Sottofondo [N/mm³]	Commento
1	0.08	Argilla

- Sezioni Impiegate:

Sezione	Materiale	Tipo di Sezione	Parametri Dimensionali Commenti
2	1	Rett.	B=1000 H= 600 [mm] Terreno numero 1 Argilla trave 100x60
3	1	Rett.	B= 400 H= 600 [mm] Terreno numero 1 Argilla trave coll.40x60

- Caratteristiche Inerziali:

Sezione	Materiale	Area [mm²]	Jt [mm^4]	J2 [mm^4]	J3 [mm^4]	J23 [mm^4]	Xx	Xy
2	1	600000	43784961104	17999995500	49999997020	0	1.2	1.2
3	1	240000	7221342996	7199998014	3199999221	0	1.2	1.2

Travata	Trave	Nodo i	Nodo j	Nodo k	Materiale	Sezione	Luce [m]
69	1	1	2	10036	1	2	3.20
69	2	2	3	10209	1	2	4.45
69	3	3	4	10209	1	2	4.20
69	4	4	5	10209	1	2	6.25
69	5	5	6	10209	1	2	3.45
70	1	13	14	10198	1	2	3.20
70	2	14	15	10199	1	2	4.45
70	3	15	16	10022	1	3	4.20
70	4	16	17	10021	1	3	6.25
70	5	17	18	10020	1	3	3.45
71	1	19	20	10196	1	2	3.20
71	2	20	21	10197	1	2	4.45
72	1	22	23	10194	1	2	3.20
72	2	23	24	10195	1	2	4.45
73	1	25	26	10192	1	2	3.20
73	2	26	27	10193	1	2	4.45
81	1	1	8	10031	1	2	3.20
81	2	8	13	10208	1	2	4.45
81	3	13	19	10208	1	2	6.25
81	4	19	22	10208	1	2	6.25
81	5	22	25	10208	1	2	6.25
82	1	2	9	10201	1	2	3.20
82	2	9	14	10200	1	2	4.45
83	1	3	10	10207	1	2	3.20
83	2	10	15	10206	1	2	4.45
83	3	15	21	10026	1	3	6.25
83	4	21	24	10025	1	3	6.25
83	5	24	27	10024	1	3	6.25
84	1	4	11	10205	1	2	3.20
84	2	11	16	10204	1	2	4.45
85	1	5	12	10203	1	2	3.20
85	2	12	17	10202	1	2	4.45
86	1	6	7	10131	1	2	3.20
86	2	7	18	10130	1	2	4.45

- Condizioni e combinazioni di carico

- Convenzioni adottate

Nel seguito vengono riportate il numero di condizioni di carico statiche e dinamiche che sollecitano la struttura. Si noti che:

- Per quanto riguarda le condizioni di carico dinamiche, il programma assimila ogni direzione di ingresso del sisma, definita dal progettista, ad una condizione di carico. Pertanto qualora agiscano sulla struttura *n* condizioni di carico statiche e il progettista abbia supposto che la struttura venga sollecitata da un sisma entrante in *m* direzioni, la struttura stessa viene considerata del programma come soggetta ad *n* + *m* condizioni di carico.
- Le combinazioni di carico, definite dal progettista, combinano fra loro le *n* + *m* condizioni di carico ognuna partecipante alla combinazione *i-esima* secondo i fattori di partecipazione nel seguito riportati. N.B.: se la condizione *j-esima* ha fattore di partecipazione unitario, allora partecipa per intero alla combinazione *i-esima*.
- Le prime *n* condizioni sono sempre statiche mentre sono di origine dinamica le (eventuali) condizioni da *n+1* a *n+m*.

- Condizioni di carico definite:

- Cond. 1 Cond. 1 peso proprio
- Cond. 2 Cond. 2 peso perm copertura
- Cond. 3 Cond. 3 peso perm. manto cop.
- Cond. 4 Cond. 4 tamponatura
- Cond. 5 Cond. 5 neve
- Cond. 6 Cond. 6 vento x-
- Cond. 7 Cond. 7 vento y-
- Cond. 8 Cond. 8 vento x+
- Cond. 9 Cond. 9 vento y+
- Cond. 10 Azione termica uniforme
- Cond. 11 Sisma 0SLV
- Cond. 12 Sisma 90SLV
- Cond. 13 Sisma 180SLV
- Cond. 14 Sisma 270SLV
- Cond. 15 Sisma 0SLD
- Cond. 16 Sisma 90SLD
- Cond. 17 Sisma 180SLD
- Cond. 18 Sisma 270SLD
- Cond. 19 Sisma 0SLO
- Cond. 20 Sisma 90SLO
- Cond. 21 Sisma 180SLO
- Cond. 22 Sisma 270SLO

- Combinazioni agli Stati Limite Ultimi

Combinazione di carico numero	
1	carichi permanenti 1
2	carichi permanenti + neve
3	combinaz. fondam. 1
4	combinaz. fondam. 2
5	combinaz. fondam. 3
6	combinaz. fondam. 4
7	combinaz. fondam. 5
8	combinaz. fondam. 5
9	combinaz. fondam. 7
10	combinaz. fondam. 8
11	combinaz. fondam. 9
12	combinaz. fondam. 10
13	combinaz. fondam. 11
14	combinaz. fondam. 12
15	combinaz. fondam. 13
16	combinaz. fondam. 14
17	combinaz. fondam. 15
18	combinaz. fondam. 16
19	combinaz. fondam. 17
20	combinaz. fondam. 18
21	combinaz. fondam. 17
22	combinaz. fondam. 18
23	combinaz. fondam. 19
24	combinaz. fondam. 20
25	combinaz. fondam. 21
26	combinaz. fondam. 22

Comb.\Cond	1	2	3	4	5	6	7	8	9	10
1	1.3000	1.5000	1.5000	1.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2	1.3000	1.5000	1.5000	1.5000	1.5000	0.0000	0.0000	0.0000	0.0000	0.0000
3	1.3000	1.5000	1.5000	1.5000	1.5000	0.9000	0.0000	0.0000	0.0000	0.9000
4	1.3000	1.5000	1.5000	1.5000	1.5000	0.0000	0.9000	0.0000	0.0000	0.9000

5	1.3000	1.5000	1.5000	1.5000	1.5000	0.0000	0.0000	0.9000	0.0000	0.9000
6	1.3000	1.5000	1.5000	1.5000	1.5000	0.0000	0.0000	0.0000	0.9000	0.9000
7	1.3000	1.5000	1.5000	1.5000	1.5000	0.9000	0.0000	0.0000	0.0000	-0.9000
8	1.3000	1.5000	1.5000	1.5000	1.5000	0.0000	0.9000	0.0000	0.0000	-0.9000
9	1.3000	1.5000	1.5000	1.5000	1.5000	0.0000	0.0000	0.9000	0.0000	-0.9000
10	1.3000	1.5000	1.5000	1.5000	1.5000	0.0000	0.0000	0.0000	0.9000	-0.9000
11	1.3000	1.5000	1.5000	1.5000	0.7500	1.5000	0.0000	0.0000	0.0000	0.9000
12	1.3000	1.5000	1.5000	1.5000	0.7500	1.5000	0.0000	0.0000	0.0000	-0.9000
13	1.3000	1.5000	1.5000	1.5000	0.7500	0.0000	1.5000	0.0000	0.0000	0.9000
14	1.3000	1.5000	1.5000	1.5000	0.7500	0.0000	1.5000	0.0000	0.0000	-0.9000
15	1.3000	1.5000	1.5000	1.5000	0.7500	0.0000	0.0000	1.5000	0.0000	0.9000
16	1.3000	1.5000	1.5000	1.5000	0.7500	0.0000	0.0000	1.5000	0.0000	-0.9000
17	1.3000	1.5000	1.5000	1.5000	0.7500	0.0000	0.0000	0.0000	1.5000	0.9000
18	1.3000	1.5000	1.5000	1.5000	0.7500	0.0000	0.0000	0.0000	1.5000	-0.9000
19	1.3000	1.5000	1.5000	1.5000	0.7500	0.9000	0.0000	0.0000	0.0000	1.5000
20	1.3000	1.5000	1.5000	1.5000	0.7500	0.9000	0.0000	0.0000	0.0000	-1.5000
21	1.3000	1.5000	1.5000	1.5000	0.7500	0.0000	0.9000	0.0000	0.0000	1.5000
22	1.3000	1.5000	1.5000	1.5000	0.7500	0.0000	0.9000	0.0000	0.0000	-1.5000
23	1.3000	1.5000	1.5000	1.5000	0.7500	0.0000	0.0000	0.9000	0.0000	1.5000
24	1.3000	1.5000	1.5000	1.5000	0.7500	0.0000	0.0000	0.9000	0.0000	-1.5000
25	1.3000	1.5000	1.5000	1.5000	0.7500	0.0000	0.0000	0.0000	0.9000	1.5000
26	1.3000	1.5000	1.5000	1.5000	0.7500	0.0000	0.0000	0.0000	0.9000	-1.5000

- Combinazioni agli Stati Limite di Salvaguardia della Vita

Combinazione di carico numero	
27	Sisma 0 / 90
28	Sisma 0 / 270
29	Sisma 90 / 0
30	Sisma 90 / 180
31	Sisma 180 / 90
32	Sisma 180 / 270
33	Sisma 270 / 0
34	Sisma 270 / 180

Comb.\Cond	1	2	3	4	5	11	12	13	14
27	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.3000	0.0000	0.0000
28	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.3000
29	1.0000	1.0000	1.0000	1.0000	1.0000	0.3000	1.0000	0.0000	0.0000
30	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	1.0000	0.3000	1.0000
31	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.3000	1.0000	0.0000
32	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	1.0000	0.3000
33	1.0000	1.0000	1.0000	1.0000	1.0000	0.3000	0.0000	0.0000	1.0000
34	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.3000	1.0000

- Combinazioni FREQUENTI Stati Limite di Esercizio

Combinazione di carico numero	
35	comb. 1
36	comb. 2
37	comb. 3
38	comb. 4
39	comb. 5
40	comb. 6
41	comb. 7

Comb.\Cond	1	2	3	4	5	6	7	8	9	10
35	1.0000	1.0000	1.0000	1.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000
36	1.0000	1.0000	1.0000	1.0000	0.0000	0.6000	0.0000	0.0000	0.0000	0.0000
37	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.6000	0.0000	0.0000	0.0000

38	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.6000	0.0000	0.0000
39	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.6000	0.0000
40	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6000
41	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.6000

- Combinazioni QUASI PERMANENTI Stati Limite di Esercizio

Combinazione di carico numero

42	comb. 1

Comb.\Cond	1	2	3	4	5
42	1.0000	1.0000	1.0000	1.0000	1.0000

- Combinazioni agli Stati Limite di Danno

Combinazione di carico numero

43	Sisma 0 / 90
44	Sisma 0 / 270
45	Sisma 90 / 0
46	Sisma 90 / 180
47	Sisma 180 / 90
48	Sisma 180 / 270
49	Sisma 270 / 0
50	Sisma 270 / 180

Comb.\Cond	1	2	3	4	5	15	16	17	18
43	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.3000	0.0000	0.0000
44	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.3000
45	1.0000	1.0000	1.0000	1.0000	1.0000	0.3000	1.0000	0.0000	0.0000
46	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	1.0000	0.3000	0.0000
47	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.3000	1.0000	0.0000
48	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	1.0000	0.3000
49	1.0000	1.0000	1.0000	1.0000	1.0000	0.3000	0.0000	0.0000	1.0000
50	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.3000	1.0000

- Combinazioni agli Stati Limite di Operativita'

Combinazione di carico numero

51	Sisma 0 / 90
52	Sisma 0 / 270
53	Sisma 90 / 0
54	Sisma 90 / 180
55	Sisma 180 / 90
56	Sisma 180 / 270
57	Sisma 270 / 0
58	Sisma 270 / 180

Comb.\Cond	1	2	3	4	19	20	21	22
51	1.0000	1.0000	1.0000	1.0000	1.0000	0.3000	0.0000	0.0000
52	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.3000
53	1.0000	1.0000	1.0000	1.0000	0.3000	1.0000	0.0000	0.0000
54	1.0000	1.0000	1.0000	1.0000	0.0000	1.0000	0.3000	0.0000
55	1.0000	1.0000	1.0000	1.0000	0.0000	0.3000	1.0000	0.0000
56	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	1.0000	0.3000
57	1.0000	1.0000	1.0000	1.0000	0.3000	0.0000	0.0000	1.0000
58	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.3000	1.0000

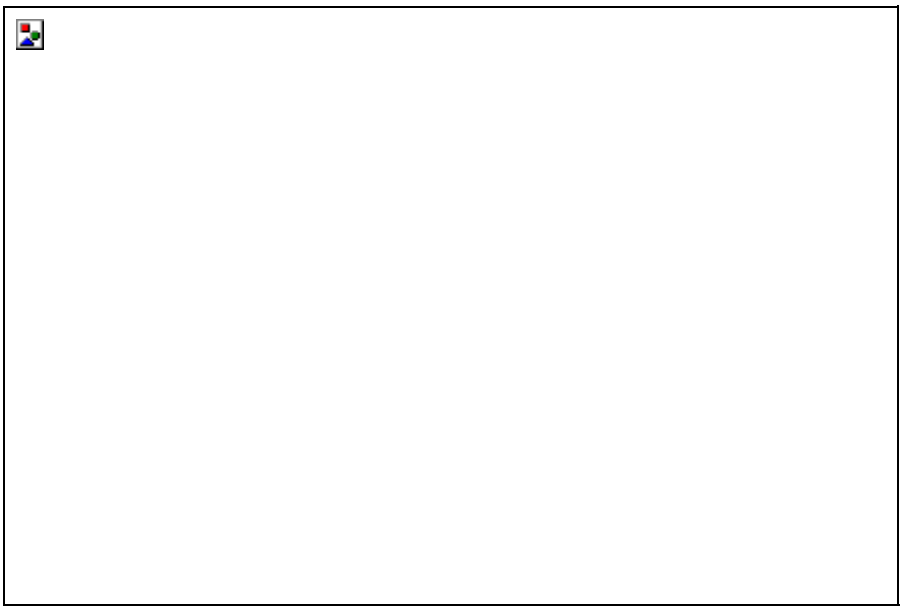
- Dati relativi alle aree di carico

- Convenzioni adottate

Nel seguito sono riportate le *aree di carico* definite nel progetto.

Un'*area di carico* è definita da una superfice contornata da travi di bordo ed i carichi superficiali su essa agenti vengono riportati dal programma sulle travi perimetrali in ragione dell'area di influenza relativa ad ogni trave e della direzione di orditura della superficie.

È importante rilevare che **la direzione di orditura viene assunta dal programma con riferimento al primo lato della superficie di carico e non con riferimento all'asse *x* globale della struttura**.



Esempio: *direzione* di orditura 0 gradi.

In particolare ricordiamo che le *aree di carico* fungono esclusivamente da supporto per il calcolo dei carichi di tipo superficiale in quanto i carichi definiti tramite tali *aree di carico* in effetti vengono trasferiti (sotto forma di carichi lineari o carichi nodali concentrati nei nodi) sulle travi perimetrali che contornano l'area di carico stessa.

A seguire vengono riportati per ogni tipologia definita i carichi agenti nelle varie condizioni di carico. La dizione:

Globale
indica che il carico è definito nel sistema di riferimento globale della struttura.

Globale Proiettato
indica che il carico è definito nel sistema di riferimento globale della struttura ma il valore viene computato in proiezione.

Locale
indica che il carico è definito nel sistema di riferimento locale della superficie di carico.

Area di Carico Numero	Commento
1	solaio copertura lato x
2	pareti verticali basse lato x
3	pareti verticali alte lato x
4	solaio copertura lato y
5	pareti verticali basse lato y
6	pareti verticali alte lato y

Tipo	Alfa	Condizione	Carico Trasmesso	Riferimento	qx [N/mq] Qx [N]	qy [N/mq] Qy [N]	qz [N/mq] Qz [N]
1	0.00	2	Alle Travi	Globale	0.0	0.0	0.0
					0.0	0.0	0.0
1	0.00	3	Alle Travi	Globale	0.0	0.0	200.0
					-0.0	0.0	31486.7
1	0.00	5	Alle Travi	Globale Proiettato	0.0	0.0	900.0
					-0.0	0.0	137777.6
1	0.00	7	Alle Travi	Locale	0.0	0.0	720.0
					0.0	26453.3	110222.1
1	0.00	9	Alle Travi	Locale	0.0	0.0	-540.0
					-0.0	-19840.0	-82666.6
2	0.00	7	Alle Travi	Globale	0.0	90.0	0.0
					0.0	6838.4	0.0
2	0.00	9	Alle Travi	Globale	0.0	-54.0	0.0
					0.0	-4103.1	0.0
3	0.00	7	Alle Travi	Globale	0.0	54.0	0.0
					0.0	5860.4	0.0
3	0.00	9	Alle Travi	Globale	0.0	-90.0	0.0
					0.0	-9767.3	0.0
4	0.00	2	Alle Travi	Globale	0.0	0.0	0.0
					0.0	0.0	0.0
4	0.00	3	Alle Travi	Globale	0.0	0.0	200.0
					0.0	-0.0	40472.7
4	0.00	5	Alle Travi	Globale Proiettato	0.0	0.0	900.0
					0.0	-0.0	177103.7
4	0.00	6	Alle Travi	Locale	0.0	0.0	720.0
					33983.7	-0.0	141683.0
4	0.00	8	Alle Travi	Locale	0.0	0.0	-540.0
					-25487.8	0.0	-106262.2
5	0.00	6	Alle Travi	Globale	90.0	0.0	0.0
					5400.0	0.0	0.0
5	0.00	8	Alle Travi	Globale	-54.0	0.0	0.0
					-3240.0	0.0	0.0
6	0.00	6	Alle Travi	Globale	54.0	0.0	0.0
					7179.3	0.0	0.0
6	0.00	8	Alle Travi	Globale	-90.0	0.0	0.0
					-11965.5	0.0	0.0

- Analisi dinamica

- Convenzioni adottate

Nella presente versione del programma ***WinStrand*** l'analisi in campo dinamico della struttura può essere condotta per via *statica equivalente* ovvero per via *modale* facendo uso, per il calcolo della risposta, dello spettro di pseudo accellerazioni fornito dal regolamento italiano.

Nel caso di analisi dinamica condotta per via *statica equivalente* le azioni di piano vengono calcolate facendo riferimento al punto **C.6.1.1.** delle **norme tecniche per le costruzioni in zona sismica** e cioè, definiti:

W_i

peso dell'*i-esimo* impalcato valutato tenendo conto dei carichi permanenti e dei coefficienti riduttivi relativi alle condizioni di carico accidentali

K_{hi}

coefficiente ottenuto tenendo conto del coefficiente di intensità sismica e dei coefficienti di risposta, fondazione, struttura. Ovvero:

dove (indicando con h_j l'altezza del *j-esimo* piano)

L'azione tagliante sul'iesimo piano vale:

A tale azione tagliante viene poi associato (qualora il rapporto fra i lati *D* e *B* dell'edificio sia superiore a *2.5* in accordo al punto **C.6.1.2** delle norme citate) il momento torcente di piano:

Nel caso di analisi dinamica condotta per via *modale* il programma provvede al calcolo dei modi di vibrare della struttura facendo uso dell'algoritmo noto in letteratura tecnica come *Subspace Iteration*. Una volta *M-Ortonormalizzati* gli autovettori la risposta massima relativa all'*i-esimo* modo di vibrare viene valutata con la formula:

nella quale:

con:

$C = (S-2)/100$

$L_{ni} = \{f_i^T\}[M]\{I\}$ e

$M_{ni} = \{f_i^T\}[M]\{f_i^T\}$

I simboli che compaiono nelle espressioni precedenti hanno il seguente significato:

ε

coefficiente di fondazione;

β
coefficiente di struttura;

---

g
accelerazione di gravità

---

w_i
i-esima frequenza associata all'*i-esimo* autovettore;

$R(T_i)$
coefficiente di risposta ricavato dallo spettro di *pseudoaccelerazioni* del regolamento;

S
Grado di sismicit&agrve;

---

f_i
i-esimo autovettore;

M
matrice delle masse;

I
vettore di trascinamento;

Per cui il campo di spostamenti indotto dall'*i-esimo* modo di vibrare sulla struttura vale:

Il programma per ogni direzione di ingresso del sisma quindi valuta il campo di spostamenti nodali e il campo di sollecitazioni nel generico elemento secondo la formula di quadratura:

dove:

---

n
numero di modi (>= 3) considerati in soluzione

S_i
generica componente di spostamento o di sollecitazione indotta dallo *i-esimo* modo di vibrare nell'elemento.

In output vengono inoltre riportate, per ogni direzione di ingresso del sisma e per ogni modo di vibrare, le cosiddette *masse modali efficaci*. In particolare considerando la *j-esima* direzione di ingresso del sisma e denotando con il pedice *i* le grandezze relative all'*i-esimo* modo di vibrare, vengono forniti in output la grandezze:

- Il modo di vibrare (si noti che per ogni direzione di ingresso il *sub-set* di modi di vibrare utilizzato può cambiare essendo i modi di vibrare scelti in modo tale da fornire il massimo fattore di partecipazione L_{ij}).
- Il fattore di partecipazione L_{ij} (altrimenti noto in letteratura tecnica come g_{ij}).
- Il rapporto percentuale fra il fattore di partecipazione del primo modo considerato ed il generico modo (pari a $100\ L_{ij}/L_{1j}$).

- La massa modale Em_{ij} efficace relativa all'*i-esimo* modo ($Em_{ij}=L_{ij}^2/M_{ij}$).
- Il rapporto fra la massa modale efficace dell'*i-esimo* modo e la massa modale efficace totale, calcolato come $100\ Em_{ij}\ /\ Em_{Tot\ j}$.
- La percentuale, cumulativa, della massa modale considerata sommando via via i contributi dovuti ai singoli modi di vibrare e pari a $100\ \Sigma_i\ (Em_{ij}\ /\ Em_{Totj})$. Tale valore è pari al 100% per un'analisi dinamica completa.

- Dati generali relativi all'analisi dinamica

- Spettro in accordo con TU 2008

- Colleatterrato Alto TERAMO Longitudine 13.7402 Latitudine 42.6904
- Tipo di Terreno C
- Coefficiente di amplificazione topografica (ST) 1.0000
- Vita nominale della costruzione (VN) 50.0 anni
- Classe d'uso IIº coefficiente Cu 1.0
- Classe di duttilità impostata Bassa
- Fattore di struttura massimo qo per sisma orizzontale 3.00
- Fattore di duttilita K_R per sisma orizzontale 1.05
- Fattore K_R 0.80
- Fattore K_W 1.00
- Fattore di struttura q per sisma orizzontale 2.52
- Fattore di struttura q per sisma verticale 1.50
- Smorzamento Viscoso (0.05 = 5%) 0.05

- TU 2008 SLV H

- Probabilità di superamento (PRV) 10.0 e periodo di ritorno (TR) 475 (anni)
- S_s 1.4
- T_B 0.17 [sec]
- T_C 0.52 [sec]
- T_D 2.33 [sec]
- a_g/g 0.1829
- F_o 2.4722
- T_C^* 0.3500

- TU 2008 SLD H

- Probabilità di superamento (PRV) 63.0 e periodo di ritorno (TR) 50 (anni)
- S_s 1.5
- T_B 0.15 [sec]
- T_C 0.46 [sec]
- T_D 1.90 [sec]
- a_g/g 0.0739
- F_o 2.4417
- T_C^* 0.2946

- TU 2008 SLO H

- Probabilità di superamento (PRV) 81.0 e periodo di ritorno (TR) 30 (anni)
- S_s 1.5
- T_B 0.15 [sec]
- T_C 0.45 [sec]
- T_D 1.83 [sec]
- a_g/g 0.0584
- F_o 2.4715
- T_C^* 0.2801

Fattori di partecipazione per il calcolo delle masse

Cond. Carico 1 Cond. 1 peso proprio 1.0000

Cond. Carico 2 Cond. 2 peso perm copertura 1.0000

Cond. Carico 3 Cond. 3 peso perm. manto cop. 1.0000

Cond. Carico 4 Cond. 4 tamponatura 1.0000

Cond. Carico 5 Cond. 5 neve 0.0000

Cond. Carico 6 Cond. 6 vento x- 0.0000

Cond. Carico 7 Cond. 7 vento y- 0.0000

Cond. Carico 8 Cond. 8 vento x+ 0.0000

Cond. Carico 9 Cond. 9 vento y+ 0.0000

Cond. Carico 10 Azione termica uniforme 0.0000

Angoli d'ingresso del Sisma

- SLV Direzione 1 Angolo in pianta 0.00 [°]
- SLV Direzione 2 Angolo in pianta 90.00 [°]
- SLV Direzione 3 Angolo in pianta 180.00 [°]
- SLV Direzione 4 Angolo in pianta 270.00 [°]
- SLD Direzione 5 Angolo in pianta 0.00 [°]
- SLD Direzione 6 Angolo in pianta 90.00 [°]
- SLD Direzione 7 Angolo in pianta 180.00 [°]
- SLD Direzione 8 Angolo in pianta 270.00 [°]

- SLO Direzione 9 Angolo in pianta 0.00 [°]
- SLO Direzione 10 Angolo in pianta 90.00 [°]
- SLO Direzione 11 Angolo in pianta 180.00 [°]
- SLO Direzione 12 Angolo in pianta 270.00 [°]

- Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/sec]	Periodo [sec]	Coefficiente Risposta
1	1.58508e+003	39.813	0.16	0.2568
2	1.79577e+003	42.377	0.15	0.2571
3	2.32358e+003	48.203	0.13	0.2576
4	2.73062e+003	52.255	0.12	0.2579
5	2.98259e+003	54.613	0.12	0.2580
6	3.41030e+003	58.398	0.11	0.2582
7	4.34053e+003	65.883	0.10	0.2586
8	4.50851e+003	67.145	0.09	0.2586
9	6.80679e+003	82.503	0.08	0.2591
10	7.24755e+003	85.133	0.07	0.2592
11	8.52774e+003	92.346	0.07	0.2594
12	1.06974e+004	103.428	0.06	0.2596

- Direzione di Ingresso del Sisma 1 Angolo 0.00

- Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
2	6.39071e+001	100.0	4.08411e+003	56.0	56.0
1	-3.76903e+001	59.0	1.42056e+003	19.5	75.5
3	-3.70525e+001	58.0	1.37289e+003	18.8	94.4
5	1.01702e+001	15.9	1.03433e+002	1.4	95.8
9	8.67831e+000	13.6	7.53131e+001	1.0	96.8
8	6.32007e+000	9.9	3.99433e+001	0.5	97.4
4	5.98899e+000	9.4	3.58680e+001	0.5	97.9
11	3.19170e+000	5.0	1.01870e+001	0.1	98.0
12	2.37838e+000	3.7	5.65669e+000	0.1	98.1
10	1.92251e+000	3.0	3.69603e+000	0.1	98.1
7	9.71435e-001	1.5	9.43686e-001	0.0	98.1
6	-3.28798e-001	0.5	1.08108e-001	0.0	98.1

- Direzione di Ingresso del Sisma 2 Angolo 90.00

- Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
1	5.90734e+001	100.0	3.48967e+003	47.9	47.9
4	4.04124e+001	68.4	1.63317e+003	22.4	70.3
2	3.97779e+001	67.3	1.58228e+003	21.7	92.0
9	-1.12545e+001	19.1	1.26663e+002	1.7	93.7
3	1.05545e+001	17.9	1.11398e+002	1.5	95.3
10	-8.00646e+000	13.6	6.41034e+001	0.9	96.2
7	-8.00156e+000	13.5	6.40250e+001	0.9	97.0
5	-7.74344e+000	13.1	5.99609e+001	0.8	97.9
8	3.92868e+000	6.7	1.54345e+001	0.2	98.1
6	-2.07548e+000	3.5	4.30762e+000	0.1	98.1
11	-1.92931e+000	3.3	3.72222e+000	0.1	98.2
12	-3.63277e-001	0.6	1.31970e-001	0.0	98.2

- Direzione di Ingresso del Sisma 3 Angolo 180.00

- Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
2	-6.39070e+001	100.0	4.08411e+003	56.0	56.0
1	3.76903e+001	59.0	1.42056e+003	19.5	75.5
3	3.70525e+001	58.0	1.37289e+003	18.8	94.4
5	-1.01702e+001	15.9	1.03433e+002	1.4	95.8
9	-8.67832e+000	13.6	7.53132e+001	1.0	96.8
8	-6.32007e+000	9.9	3.99432e+001	0.5	97.4
4	-5.98898e+000	9.4	3.58678e+001	0.5	97.9
11	-3.19170e+000	5.0	1.01870e+001	0.1	98.0
12	-2.37838e+000	3.7	5.65669e+000	0.1	98.1
10	-1.92251e+000	3.0	3.69604e+000	0.1	98.1
7	-9.71439e-001	1.5	9.43693e-001	0.0	98.1
6	3.28797e-001	0.5	1.08108e-001	0.0	98.1

- Direzione di Ingresso del Sisma 4 Angolo 270.00

- Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
1	-5.90734e+001	100.0	3.48967e+003	47.9	47.9
4	-4.04124e+001	68.4	1.63317e+003	22.4	70.3
2	-3.97779e+001	67.3	1.58228e+003	21.7	92.0
9	1.12545e+001	19.1	1.26663e+002	1.7	93.7
3	-1.05545e+001	17.9	1.11398e+002	1.5	95.3
10	8.00646e+000	13.6	6.41034e+001	0.9	96.2
7	8.00156e+000	13.5	6.40250e+001	0.9	97.0
5	7.74344e+000	13.1	5.99609e+001	0.8	97.9
8	-3.92868e+000	6.7	1.54346e+001	0.2	98.1
6	2.07548e+000	3.5	4.30762e+000	0.1	98.1
11	1.92930e+000	3.3	3.72221e+000	0.1	98.2
12	3.63276e-001	0.6	1.31970e-001	0.0	98.2

- Direzione di Ingresso del Sisma 5 Angolo 0.00

- Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
2	6.39071e+001	100.0	4.08411e+003	56.0	56.0
1	-3.76903e+001	59.0	1.42056e+003	19.5	75.5
3	-3.70525e+001	58.0	1.37289e+003	18.8	94.4
5	1.01702e+001	15.9	1.03433e+002	1.4	95.8
9	8.67831e+000	13.6	7.53131e+001	1.0	96.8
8	6.32007e+000	9.9	3.99433e+001	0.5	97.4
4	5.98899e+000	9.4	3.58680e+001	0.5	97.9
11	3.19170e+000	5.0	1.01870e+001	0.1	98.0
12	2.37838e+000	3.7	5.65669e+000	0.1	98.1
10	1.92251e+000	3.0	3.69603e+000	0.1	98.1
7	9.71435e-001	1.5	9.43686e-001	0.0	98.1
6	-3.28798e-001	0.5	1.08108e-001	0.0	98.1

- Direzione di Ingresso del Sisma 6 Angolo 90.00

- Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
1	5.90734e+001	100.0	3.48967e+003	47.9	47.9
4	4.04124e+001	68.4	1.63317e+003	22.4	70.3
2	3.97779e+001	67.3	1.58228e+003	21.7	92.0
9	-1.12545e+001	19.1	1.26663e+002	1.7	93.7
3	1.05545e+001	17.9	1.11398e+002	1.5	95.3
10	-8.00646e+000	13.6	6.41034e+001	0.9	96.2
7	-8.00156e+000	13.5	6.40250e+001	0.9	97.0
5	-7.74344e+000	13.1	5.99609e+001	0.8	97.9
8	3.92868e+000	6.7	1.54345e+001	0.2	98.1
6	-2.07548e+000	3.5	4.30762e+000	0.1	98.1
11	-1.92931e+000	3.3	3.72222e+000	0.1	98.2
12	-3.63277e-001	0.6	1.31970e-001	0.0	98.2

- Direzione di Ingresso del Sisma 7 Angolo 180.00

- Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
2	-6.39070e+001	100.0	4.08411e+003	56.0	56.0
1	3.76903e+001	59.0	1.42056e+003	19.5	75.5
3	3.70525e+001	58.0	1.37289e+003	18.8	94.4
5	-1.01702e+001	15.9	1.03433e+002	1.4	95.8
9	-8.67832e+000	13.6	7.53132e+001	1.0	96.8
8	-6.32007e+000	9.9	3.99432e+001	0.5	97.4
4	-5.98898e+000	9.4	3.58678e+001	0.5	97.9
11	-3.19170e+000	5.0	1.01870e+001	0.1	98.0
12	-2.37838e+000	3.7	5.65669e+000	0.1	98.1
10	-1.92251e+000	3.0	3.69604e+000	0.1	98.1
7	-9.71439e-001	1.5	9.43693e-001	0.0	98.1
6	3.28797e-001	0.5	1.08108e-001	0.0	98.1

- Direzione di Ingresso del Sisma 8 Angolo 270.00

- Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
1	-5.90734e+001	100.0	3.48967e+003	47.9	47.9
4	-4.04124e+001	68.4	1.63317e+003	22.4	70.3
2	-3.97779e+001	67.3	1.58228e+003	21.7	92.0
9	1.12545e+001	19.1	1.26663e+002	1.7	93.7
3	-1.05545e+001	17.9	1.11398e+002	1.5	95.3
10	8.00646e+000	13.6	6.41034e+001	0.9	96.2
7	8.00156e+000	13.5	6.40250e+001	0.9	97.0
5	7.74344e+000	13.1	5.99609e+001	0.8	97.9
8	-3.92868e+000	6.7	1.54346e+001	0.2	98.1
6	2.07548e+000	3.5	4.30762e+000	0.1	98.1
11	1.92930e+000	3.3	3.72221e+000	0.1	98.2
12	3.63276e-001	0.6	1.31970e-001	0.0	98.2

- Direzione di Ingresso del Sisma 9 Angolo 0.00

- Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
2	6.39071e+001	100.0	4.08411e+003	56.0	56.0
1	-3.76903e+001	59.0	1.42056e+003	19.5	75.5
3	-3.70525e+001	58.0	1.37289e+003	18.8	94.4

5	1.01702e+001	15.9	1.03433e+002	1.4	95.8
9	8.67831e+000	13.6	7.53131e+001	1.0	96.8
8	6.32007e+000	9.9	3.99433e+001	0.5	97.4
4	5.98899e+000	9.4	3.58680e+001	0.5	97.9
11	3.19170e+000	5.0	1.01870e+001	0.1	98.0
12	2.37838e+000	3.7	5.65669e+000	0.1	98.1
10	1.92251e+000	3.0	3.69603e+000	0.1	98.1
7	9.71435e-001	1.5	9.43686e-001	0.0	98.1
6	-3.28798e-001	0.5	1.08108e-001	0.0	98.1

- Direzione di Ingresso del Sisma 10 Angolo 90.00

- Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
1	5.90734e+001	100.0	3.48967e+003	47.9	47.9
4	4.04124e+001	68.4	1.63317e+003	22.4	70.3
2	3.97779e+001	67.3	1.58228e+003	21.7	92.0
9	-1.12545e+001	19.1	1.26663e+002	1.7	93.7
3	1.05545e+001	17.9	1.11398e+002	1.5	95.3
10	-8.00646e+000	13.6	6.41034e+001	0.9	96.2
7	-8.00156e+000	13.5	6.40250e+001	0.9	97.0
5	-7.74344e+000	13.1	5.99609e+001	0.8	97.9
8	3.92868e+000	6.7	1.54345e+001	0.2	98.1
6	-2.07548e+000	3.5	4.30762e+000	0.1	98.1
11	-1.92931e+000	3.3	3.72222e+000	0.1	98.2
12	-3.63277e-001	0.6	1.31970e-001	0.0	98.2

- Direzione di Ingresso del Sisma 11 Angolo 180.00

- Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
2	-6.39070e+001	100.0	4.08411e+003	56.0	56.0
1	3.76903e+001	59.0	1.42056e+003	19.5	75.5
3	3.70525e+001	58.0	1.37289e+003	18.8	94.4
5	-1.01702e+001	15.9	1.03433e+002	1.4	95.8
9	-8.67832e+000	13.6	7.53132e+001	1.0	96.8
8	-6.32007e+000	9.9	3.99432e+001	0.5	97.4
4	-5.98898e+000	9.4	3.58678e+001	0.5	97.9
11	-3.19170e+000	5.0	1.01870e+001	0.1	98.0
12	-2.37838e+000	3.7	5.65669e+000	0.1	98.1
10	-1.92251e+000	3.0	3.69604e+000	0.1	98.1
7	-9.71439e-001	1.5	9.43693e-001	0.0	98.1
6	3.28797e-001	0.5	1.08108e-001	0.0	98.1

- Direzione di Ingresso del Sisma 12 Angolo 270.00

- Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
1	-5.90734e+001	100.0	3.48967e+003	47.9	47.9
4	-4.04124e+001	68.4	1.63317e+003	22.4	70.3
2	-3.97779e+001	67.3	1.58228e+003	21.7	92.0
9	1.12545e+001	19.1	1.26663e+002	1.7	93.7
3	-1.05545e+001	17.9	1.11398e+002	1.5	95.3
10	8.00646e+000	13.6	6.41034e+001	0.9	96.2
7	8.00156e+000	13.5	6.40250e+001	0.9	97.0

5	7.74344e+000	13.1	5.99609e+001	0.8	97.9
8	-3.92868e+000	6.7	1.54346e+001	0.2	98.1
6	2.07548e+000	3.5	4.30762e+000	0.1	98.1
11	1.92930e+000	3.3	3.72221e+000	0.1	98.2
12	3.63276e-001	0.6	1.31970e-001	0.0	98.2

- Sollecitazioni nei pilastri

- Convenzioni adottate

Le sollecitazioni nei pilastri sono da intendersi nel sistema di riferimento locale dell'elemento e si riferiscono all'asta.

L'orientamento del pilastro nello spazio è definito a mezzo del nodo *K*. La terna di riferimento locale dell'asta è così disposta:

Per qunto concerne i segni positivi assunti per le varie componenti di sollecitazione si assumono come positivi i versi e le sollecitazioni così diretti:

Per ogni pilastro vengono riportate, nelle varie combinazioni di carico, le componenti di sollecitazione alle estremità dell'asta.

Comb.	Nodo	N [N]	T1-2 [N]	T1-3 [N]	Mt [kNm]	M1-3 [kNm]	M1-2 [kNm]
1	7	26668.4	188.3	368.0	0.01	-0.96	-0.15
	118	-10418.4	-188.3	-368.0	-0.01	-0.52	0.90
2	7	29910.5	654.5	288.2	0.03	-0.83	0.67
	118	-13660.5	-654.5	-288.2	-0.03	-0.32	1.94
3	7	32921.2	17802.6	-5678.3	0.04	10.98	37.03
	118	-16671.2	-17802.6	5522.8	-0.04	11.42	34.18
4	7	33401.9	18145.3	-5601.8	0.27	10.94	38.08
	118	-17151.9	-17989.7	5601.8	-0.27	11.47	34.19
5	7	30563.4	17229.8	-5227.3	0.24	10.23	35.63
	118	-14313.4	-17229.8	5486.5	-0.24	11.20	33.28
6	7	30028.4	16820.0	-5382.8	-0.00	10.36	34.59
	118	-13778.4	-17079.2	5382.8	0.00	11.17	33.21
7	7	29547.2	-15843.0	5851.2	-0.17	-11.89	-34.10
	118	-13297.2	15843.0	-6006.7	0.17	-11.83	-29.27
8	7	30027.9	-15500.4	5927.7	0.06	-11.93	-33.06
	118	-13777.9	15655.9	-5927.7	-0.06	-11.78	-29.26
9	7	27189.3	-16415.8	6302.2	0.02	-12.65	-35.50
	118	-10939.3	16415.8	-6043.0	-0.02	-12.04	-30.16
10	7	26654.4	-16825.6	6146.6	-0.22	-12.51	-36.54
	118	-10404.4	16566.4	-6146.6	0.22	-12.07	-30.24
11	7	32182.7	17786.4	-5772.9	-0.04	11.17	37.15
	118	-15932.7	-17786.4	5513.7	0.04	11.41	34.00
12	7	28808.7	-15859.2	5756.6	-0.25	-11.70	-33.99
	118	-12558.7	15859.2	-6015.8	0.25	-11.84	-29.45
13	7	32983.8	18357.5	-5645.4	0.35	11.09	38.89
	118	-16733.8	-18098.3	5645.4	-0.35	11.49	34.02
14	7	29609.8	-15288.1	5884.1	0.13	-11.78	-32.24
	118	-13359.8	15547.3	-5884.1	-0.13	-11.76	-29.43
15	7	28252.9	16831.7	-5021.2	0.29	9.91	34.82
	118	-12002.9	-16831.7	5453.2	-0.29	11.04	32.51
16	7	24878.9	-16813.9	6508.2	0.08	-12.96	-36.32
	118	-8628.9	16813.9	-6076.2	-0.08	-12.20	-30.94
17	7	27361.2	16148.7	-5280.4	-0.11	10.13	33.08
	118	-11111.3	-16580.7	5280.4	0.11	11.00	32.38
18	7	23987.2	-17497.0	6249.0	-0.32	-12.75	-38.06
	118	-7737.2	17065.0	-6249.0	0.32	-12.25	-31.07
19	7	32424.9	28784.7	-9481.5	0.10	18.54	60.33
	118	-16174.9	-28784.7	9326.0	-0.10	19.07	54.81
20	7	26801.5	-27291.3	9734.2	-0.26	-19.58	-58.23

	118	-10551.5	27291.3	-9889.8	0.26	-19.67	-50.94
21	7	32905.6	29127.4	-9405.0	0.33	18.50	61.38
	118	-16655.6	-28971.8	9405.0	-0.33	19.12	54.82
22	7	27282.2	-26948.7	9810.8	-0.03	-19.62	-57.18
	118	-11032.2	27104.2	-9810.8	0.03	-19.62	-50.93
23	7	30067.0	28211.9	-9030.5	0.30	17.79	58.93
	118	-13817.0	-28211.9	9289.7	-0.30	18.85	53.91
24	7	24443.6	-27864.1	10185.2	-0.06	-20.33	-59.62
	118	-8193.6	27864.1	-9926.0	0.06	-19.89	-51.83
25	7	29532.0	27802.1	-9186.1	0.06	17.92	57.89
	118	-13282.0	-28061.3	9186.1	-0.06	18.83	53.84
26	7	23908.6	-28274.0	10029.7	-0.30	-20.20	-60.67
	118	-7658.6	28014.8	-10029.7	0.30	-19.92	-51.91
27	7	14134.8	1003.7	1803.8	0.50	-4.57	2.08
	118	-1634.8	-1003.7	-1803.8	-0.50	-2.64	1.97
28	7	17641.0	4612.8	2357.3	1.11	-5.87	12.06
	118	-5141.0	-4612.8	-2357.3	-1.11	-3.56	6.43
29	7	14800.9	-4838.9	-151.8	-0.75	0.19	-14.15
	118	-2300.9	4838.9	151.8	0.75	0.43	-5.20
30	7	24721.8	-222.7	-352.2	-0.21	0.79	-1.46
	118	-12221.8	222.7	352.2	0.21	0.62	0.56
31	7	27725.4	-3659.2	-1938.8	-1.07	4.68	-11.04
	118	-15225.4	3659.2	1938.8	1.07	3.08	-3.63
32	7	31231.6	-50.2	-1385.3	-0.46	3.38	-1.06
	118	-18731.6	50.2	1385.3	0.46	2.16	0.83
33	7	26488.3	7191.3	1693.1	1.27	-4.16	19.11
	118	-13988.3	-7191.3	-1693.1	-1.27	-2.63	9.67
34	7	30565.5	5792.4	570.3	0.80	-1.38	15.17
	118	-18065.5	-5792.4	-570.3	-0.80	-0.91	7.99
35	7	21602.5	321.4	235.9	0.01	-0.64	0.23
	118	-9102.5	-321.4	-235.9	-0.01	-0.30	1.05
36	7	21404.3	382.9	128.0	-0.06	-0.43	0.49
	118	-8904.3	-382.9	-231.6	0.06	-0.29	1.04
37	7	21724.7	611.3	179.0	0.09	-0.46	1.18
	118	-9224.7	-507.6	-179.0	-0.09	-0.25	1.05
38	7	19832.4	1.0	428.6	0.07	-0.94	-0.44
	118	-7332.4	-1.0	-255.8	-0.07	-0.43	0.45
39	7	19475.7	-272.2	324.9	-0.09	-0.85	-1.14
	118	-6975.7	99.4	-324.9	0.09	-0.45	0.40
40	7	21646.5	11381.2	-3580.7	0.08	6.94	23.67
	118	-9146.5	-11381.2	3580.7	-0.08	7.38	21.85
41	7	19397.1	-11049.2	4105.6	-0.06	-8.31	-23.75
	118	-6897.1	11049.2	-4105.6	0.06	-8.12	-20.45
42	7	22683.2	476.8	209.2	0.02	-0.60	0.51
	118	-10183.2	-476.8	-209.2	-0.02	-0.24	1.40
43	7	13890.2	987.4	1864.3	0.52	-4.72	-11.44
	118	-1390.2	-987.4	-1864.3	-0.52	-2.74	1.94
44	7	17507.3	4754.1	2433.1	1.15	-6.06	-1.02
	118	-5007.3	-4754.1	-2433.1	-1.15	-3.68	6.59
45	7	14559.3	-5082.9	-156.9	-0.79	0.19	-18.88
	118	-2059.3	5082.9	156.9	0.79	0.45	-5.49
46	7	18750.0	-6519.3	-1320.6	-1.27	3.07	-14.83
	118	-6250.0	6519.3	1320.6	1.27	2.23	-7.21
47	7	27859.1	-3800.6	-2014.6	-1.11	4.86	2.04
	118	-15359.1	3800.6	2014.6	1.11	3.20	-3.80
48	7	31476.2	-33.9	-1445.8	-0.47	3.53	12.46
	118	-18976.2	33.9	1445.8	0.47	2.25	0.85
49	7	26616.4	7472.9	1739.0	1.32	-4.26	15.85
	118	-14116.4	-7472.9	-1739.0	-1.32	-2.71	10.01

50	7	30807.0	6036.5	575.4	0.83	-1.39	19.90
	118	-18307.0	-6036.5	-575.4	-0.83	-0.93	8.29
51	7	13336.8	593.5	1606.7	0.41	-4.03	-9.71
	118	-836.8	-593.5	-1606.7	-0.41	-2.39	1.16
52	7	16279.6	3626.3	2062.7	0.91	-5.10	-1.32
	118	-3779.6	-3626.3	-2062.7	-0.91	-3.15	4.90
53	7	13903.1	-4305.7	-25.8	-0.64	-0.06	-15.67
	118	-1403.1	4305.7	25.8	0.64	0.17	-4.84
54	7	17331.2	-5472.0	-969.1	-1.03	2.27	-12.38
	118	-4831.2	5472.0	969.1	1.03	1.62	-6.23
55	7	24764.0	-3294.4	-1537.7	-0.90	3.74	1.24
	118	-12264.0	3294.4	1537.7	0.90	2.42	-3.49
56	7	27706.8	-261.5	-1081.8	-0.39	2.67	9.63
	118	-15206.8	261.5	1081.8	0.39	1.66	0.25
57	7	23712.4	5803.9	1494.0	1.04	-3.64	12.30
	118	-11212.4	-5803.9	-1494.0	-1.04	-2.35	7.64
58	7	27140.6	4637.6	550.7	0.65	-1.30	15.59
	118	-14640.5	-4637.6	-550.7	-0.65	-0.91	6.25
1	10	11818.0	369.6	-1063.9	0.07	-0.67	-1.72
	109	-7609.3	-369.6	1063.9	-0.07	1.77	2.10
2	10	15314.8	394.6	-1825.9	0.08	-0.98	-2.91
	109	-11106.1	-394.6	1825.9	-0.08	2.87	3.32
3	10	13544.5	-26731.9	11898.8	-0.14	-11.92	-30.13
	109	-9335.7	26731.9	-11939.1	0.14	-0.42	2.44
4	10	13515.1	-25919.9	11265.5	-0.07	-11.93	-29.33
	109	-9306.3	25960.2	-11265.5	0.07	0.26	2.46
5	10	12110.6	-28294.1	13921.8	-0.13	-12.79	-29.76
	109	-7901.8	28294.1	-13854.7	0.13	-1.59	0.45
6	10	12016.2	-28986.3	14386.3	-0.15	-12.78	-30.40
	109	-7807.4	28919.2	-14386.3	0.15	-2.13	0.41
7	10	18717.2	29238.2	-17727.6	0.27	10.89	23.88
	109	-14508.5	-29238.2	17687.4	-0.27	7.45	6.42
8	10	18687.8	30050.2	-18360.9	0.35	10.89	24.67
	109	-14479.0	-30009.9	18360.9	-0.35	8.13	6.44
9	10	17283.3	27676.0	-15704.6	0.28	10.02	24.25
	109	-13074.6	-27676.0	15771.7	-0.28	6.28	4.43
10	10	17188.9	26983.7	-15240.1	0.26	10.04	23.60
	109	-12980.1	-27050.9	15240.1	-0.26	5.75	4.39
11	10	12340.1	-26172.1	11554.1	-0.16	-11.46	-29.68
	109	-8131.3	26172.1	-11621.2	0.16	-0.54	2.57
12	10	17512.8	29798.0	-18072.3	0.25	11.35	24.32
	109	-13304.1	-29798.0	18005.2	-0.25	7.34	6.55
13	10	12291.0	-24818.7	10498.7	-0.04	-11.47	-28.35
	109	-8082.3	24885.9	-10498.7	0.04	0.60	2.61
14	10	17463.8	31151.3	-19127.8	0.38	11.34	25.65
	109	-13255.0	-31084.2	19127.8	-0.38	8.47	6.59
15	10	9950.2	-28775.7	14925.8	-0.15	-12.91	-29.06
	109	-5741.5	28775.7	-14814.0	0.15	-2.49	-0.75
16	10	15123.0	27194.4	-14700.6	0.26	9.90	24.94
	109	-10914.2	-27194.4	14812.5	-0.26	5.38	3.23
17	10	9792.9	-29929.5	15699.9	-0.18	-12.88	-30.14
	109	-5584.1	29817.6	-15699.9	0.18	-3.38	-0.81
18	10	14965.6	26040.6	-13926.5	0.24	9.93	23.87
	109	-10756.9	-26152.5	13926.5	-0.24	4.49	3.17
19	10	10071.8	-45401.1	22155.3	-0.29	-19.38	-47.54
	109	-5863.1	45401.1	-22195.5	0.29	-3.60	0.50
20	10	18693.0	47882.3	-27222.1	0.40	18.65	42.47
	109	-14484.3	-47882.3	27181.8	-0.40	9.53	7.13

21	10	10042.4	-44589.1	21522.0	-0.21	-19.38	-46.74
	109	-5833.7	44629.4	-21522.0	0.21	-2.92	0.52
22	10	18663.6	48694.3	-27855.4	0.48	18.65	43.27
	109	-14454.9	-48654.1	27855.4	-0.48	10.21	7.16
23	10	8637.9	-46963.3	24178.3	-0.28	-20.25	-47.17
	109	-4429.2	46963.3	-24111.2	0.28	-4.77	-1.49
24	10	17259.2	46320.2	-25199.0	0.41	17.78	42.84
	109	-13050.4	-46320.2	25266.2	-0.41	8.36	5.14
25	10	8543.5	-47655.6	24642.7	-0.30	-20.23	-47.81
	109	-4334.8	47588.4	-24642.7	0.30	-5.30	-1.53
26	10	17164.7	45627.9	-24734.6	0.39	17.80	42.20
	109	-12956.0	-45695.0	24734.6	-0.39	7.83	5.11
27	10	10120.9	-8106.0	8367.1	0.62	-4.59	-4.01
	109	-6883.4	8106.0	-8367.1	-0.62	-4.10	-4.43
28	10	10413.3	-4551.8	5408.8	1.41	-3.50	-3.44
	109	-7175.8	4551.8	-5408.8	-1.41	-2.09	-1.28
29	10	10546.7	-7574.9	6020.7	-0.97	-3.50	-3.54
	109	-7309.2	7574.9	-6020.7	0.97	-2.78	-4.38
30	10	11691.3	2358.3	-3879.2	-0.22	0.32	-1.60
	109	-8453.8	-2358.3	3879.2	0.22	3.70	4.05
31	10	12312.0	5258.9	-8197.7	-1.29	2.14	-0.75
	109	-9074.5	-5258.9	8197.7	1.29	6.35	6.20
32	10	12604.3	8813.1	-11156.0	-0.49	3.22	-0.17
	109	-9366.8	-8813.1	11156.0	0.49	8.36	9.34
33	10	11521.2	4272.5	-3840.1	1.67	0.11	-1.63
	109	-8283.7	-4272.5	3840.1	-1.67	3.90	6.10
34	10	12178.6	8282.0	-8809.6	1.10	2.13	-0.65
	109	-8941.1	-8282.0	8809.6	-1.10	7.04	9.29
35	10	10197.0	345.2	-1140.5	0.06	-0.58	-1.69
	109	-6959.5	-345.2	1140.5	-0.06	1.76	2.05
36	10	9575.4	909.2	-1612.2	0.04	-0.17	-1.45
	109	-6337.9	-909.2	1585.3	-0.04	1.83	2.39
37	10	9555.8	1450.5	-2034.3	0.09	-0.18	-0.91
	109	-6318.3	-1423.7	2034.3	-0.09	2.28	2.40
38	10	8619.5	-132.2	-263.5	0.04	-0.75	-1.20
	109	-5382.0	132.2	308.2	-0.04	1.05	1.06
39	10	8556.6	-593.8	46.2	0.03	-0.74	-1.63
	109	-5319.1	549.0	-46.2	-0.03	0.69	1.04
40	10	7307.2	-18319.8	8989.0	-0.09	-8.09	-19.30
	109	-4069.7	18319.8	-8989.0	0.09	-1.23	0.32
41	10	10755.7	18993.5	-10761.9	0.19	7.13	16.70
	109	-7518.2	-18993.5	10761.9	-0.19	4.02	2.97
42	10	11362.6	353.6	-1394.5	0.06	-0.68	-2.09
	109	-8125.1	-353.6	1394.5	-0.06	2.13	2.46
43	10	10085.9	-8349.2	8644.5	0.64	-4.69	-4.06
	109	-6848.4	8349.2	-8644.5	-0.64	-4.28	-4.63
44	10	10377.9	-4676.5	5629.1	1.48	-3.60	-3.48
	109	-7140.4	4676.5	-5629.1	-1.48	-2.23	-1.37
45	10	10536.9	-7827.6	6190.5	-1.03	-3.54	-3.57
	109	-7299.4	7827.6	-6190.5	1.03	-2.90	-4.60
46	10	11215.3	-3707.8	1071.7	-1.63	-1.46	-2.56
	109	-7977.8	3707.8	-1071.7	1.63	0.32	-1.33
47	10	12347.4	5383.6	-8418.0	-1.36	2.23	-0.70
	109	-9109.9	-5383.6	8418.0	1.36	6.48	6.29
48	10	12639.4	9056.3	-11433.4	-0.52	3.32	-0.12
	109	-9401.9	-9056.3	11433.4	0.52	8.54	9.54
49	10	11510.0	4414.9	-3860.6	1.76	0.10	-1.62
	109	-8272.5	-4414.9	3860.6	-1.76	3.93	6.24
50	10	12188.4	8534.7	-8979.4	1.16	2.17	-0.62

	109	-8950.9	-8534.7	8979.4	-1.16	7.16	9.52
51	10	7991.0	-6774.8	7309.0	0.52	-3.75	-2.91
	109	-4753.5	6774.8	-7309.0	-0.52	-3.83	-4.14
52	10	8230.2	-3788.3	4842.8	1.19	-2.86	-2.43
	109	-4992.7	3788.3	-4842.8	-1.19	-2.16	-1.50
53	10	8356.5	-6326.2	5312.5	-0.82	-2.82	-2.50
	109	-5119.0	6326.2	-5312.5	0.82	-2.71	-4.10
54	10	8909.0	-2955.1	1135.1	-1.31	-1.12	-1.68
	109	-5671.5	2955.1	-1135.1	1.31	-0.08	-1.42
55	10	9832.7	4462.0	-6615.7	-1.09	1.90	-0.17
	109	-6595.2	-4462.0	6615.7	1.09	4.95	4.79
56	10	10071.9	7448.5	-9081.9	-0.42	2.79	0.31
	109	-6834.4	-7448.5	9081.9	0.42	6.63	7.44
57	10	9153.9	3628.8	-2908.0	1.41	0.16	-0.91
	109	-5916.4	-3628.8	2908.0	-1.41	2.87	4.71
58	10	9706.4	6999.9	-7085.5	0.92	1.86	-0.09
	109	-6468.9	-6999.9	7085.5	-0.92	5.51	7.39
1	11	25333.4	216.9	265.7	-0.00	-0.91	0.35
	112	-9083.4	-216.9	-265.7	0.00	-0.15	0.52
2	11	31993.4	560.2	-30.2	0.03	-0.51	1.02
	112	-15743.4	-560.2	30.2	-0.03	0.63	1.22
3	11	33254.9	2679.4	-13642.9	-0.62	28.62	6.64
	112	-17004.9	-2679.4	13642.9	0.62	25.95	4.08
4	11	36793.5	3295.0	-13735.5	-0.50	28.73	7.78
	112	-20543.5	-2923.2	13735.5	0.50	26.21	4.66
5	11	33624.7	2684.4	-12643.2	-0.53	26.08	6.58
	112	-17374.7	-2684.4	12643.2	0.53	24.49	4.16
6	11	30616.7	1893.2	-12638.1	-0.66	26.15	5.29
	112	-14366.7	-2512.8	12638.1	0.66	24.40	3.53
7	11	30316.6	-1557.4	12535.6	0.57	-26.98	-4.52
	112	-14066.6	1557.4	-12535.6	-0.57	-23.16	-1.71
8	11	33855.2	-941.8	12443.0	0.69	-26.87	-3.38
	112	-17605.2	1313.6	-12443.0	-0.69	-22.90	-1.13
9	11	30686.4	-1552.4	13535.3	0.66	-29.52	-4.58
	112	-14436.4	1552.4	-13535.3	-0.66	-24.62	-1.63
10	11	27678.4	-2343.6	13540.4	0.53	-29.45	-5.87
	112	-11428.4	1724.0	-13540.4	-0.53	-24.71	-2.27
11	11	29786.5	2508.2	-13844.0	-0.67	29.32	6.33
	112	-13536.5	-2508.2	13844.0	0.67	26.06	3.70
12	11	26848.2	-1728.6	12334.5	0.52	-26.28	-4.82
	112	-10598.2	1728.6	-12334.5	-0.52	-23.05	-2.09
13	11	35684.0	3534.2	-13998.3	-0.48	29.50	8.23
	112	-19434.0	-2914.5	13998.3	0.48	26.49	4.67
14	11	32745.8	-702.6	12180.2	0.72	-26.10	-2.93
	112	-16495.8	1322.3	-12180.2	-0.72	-22.62	-1.12
15	11	30402.7	2516.5	-12177.7	-0.53	25.08	6.23
	112	-14152.7	-2516.5	12177.7	0.53	23.63	3.84
16	11	27464.4	-1720.3	14000.8	0.67	-30.52	-4.93
	112	-11214.4	1720.3	-14000.8	-0.67	-25.48	-1.96
17	11	25389.4	1197.9	-12169.2	-0.74	25.19	4.08
	112	-9139.4	-2230.6	12169.2	0.74	23.48	2.78
18	11	22451.1	-3038.9	14009.3	0.45	-30.41	-7.08
	112	-6201.1	2006.1	-14009.3	-0.45	-25.63	-3.01
19	11	30904.3	3920.0	-22221.2	-1.03	46.96	10.02
	112	-14654.3	-3920.0	22221.2	1.03	41.92	5.66
20	11	26007.2	-3141.3	21409.7	0.95	-45.71	-8.57
	112	-9757.2	3141.3	-21409.7	-0.95	-39.93	-3.99
21	11	34442.9	4535.6	-22313.7	-0.92	47.07	11.16

	112	-18192.9	-4163.8	22313.7	0.92	42.18	6.24
22	11	29545.7	-2525.8	21317.1	1.07	-45.60	-7.43
	112	-13295.7	2897.6	-21317.1	-1.07	-39.67	-3.42
23	11	31274.1	3924.9	-21221.4	-0.95	44.42	9.96
	112	-15024.1	-3924.9	21221.4	0.95	40.47	5.74
24	11	26376.9	-3136.4	22409.5	1.04	-48.25	-8.63
	112	-10126.9	3136.4	-22409.5	-1.04	-41.39	-3.91
25	11	28266.1	3133.8	-21216.3	-1.08	44.49	8.67
	112	-12016.1	-3753.4	21216.3	1.08	40.38	5.10
26	11	23368.9	-3927.5	22414.5	0.91	-48.18	-9.92
	112	-7118.9	3307.9	-22414.5	-0.91	-41.47	-4.55
27	11	25255.7	504.3	6156.6	0.12	-15.78	1.07
	112	-12755.7	-504.3	-6156.6	-0.12	-8.84	-0.15
28	11	25965.5	1565.8	7981.2	0.22	-20.30	4.44
	112	-13465.5	-1565.8	-7981.2	-0.22	-11.63	0.74
29	11	23107.1	-1175.9	-927.6	-0.11	1.83	-4.24
	112	-10607.1	1175.9	927.6	0.11	1.88	-0.79
30	11	23158.3	214.8	-2134.1	-0.03	4.90	0.16
	112	-10658.3	-214.8	2134.1	0.03	3.64	1.03
31	11	21482.8	-757.6	-8001.8	-0.19	19.51	-2.92
	112	-8982.8	757.6	8001.8	0.19	12.50	0.97
32	11	22192.7	304.0	-6177.2	-0.09	15.00	0.44
	112	-9692.7	-304.0	6177.2	0.09	9.71	1.86
33	11	25473.2	2362.7	5154.5	0.23	-13.21	6.96
	112	-12973.2	-2362.7	-5154.5	-0.23	-7.42	2.17
34	11	24341.3	1984.1	907.0	0.14	-2.62	5.76
	112	-11841.3	-1984.1	-907.0	-0.14	-1.01	2.50
35	11	21504.2	289.7	88.3	0.01	-0.53	0.54
	112	-9004.2	-289.7	-88.3	-0.01	0.17	0.62
36	11	19145.7	175.7	-162.0	-0.04	0.23	0.34
	112	-6645.7	-175.7	162.0	0.04	0.42	0.36
37	11	21504.8	586.1	-223.7	0.04	0.31	1.10
	112	-9004.8	-338.2	223.7	-0.04	0.59	0.75
38	11	19392.2	179.0	504.5	0.02	-1.46	0.30
	112	-6892.2	-179.0	-504.5	-0.02	-0.56	0.42
39	11	17386.9	-348.4	507.9	-0.06	-1.42	-0.56
	112	-4886.9	-64.7	-507.9	0.06	-0.61	-0.01
40	11	20263.6	1587.5	-8539.2	-0.40	17.88	4.03
	112	-7763.6	-1587.5	8539.2	0.40	16.28	2.32
41	11	18304.7	-1237.0	8913.1	0.39	-19.19	-3.40
	112	-5804.7	1237.0	-8913.1	-0.39	-16.46	-1.54
42	11	23724.2	404.1	-10.3	0.02	-0.39	0.76
	112	-11224.2	-404.1	10.3	-0.02	0.44	0.86
43	11	25313.5	507.7	6390.1	0.13	-16.37	1.09
	112	-12813.5	-507.7	-6390.1	-0.13	-9.19	-0.19
44	11	26053.7	1620.0	8249.5	0.22	-20.96	4.61
	112	-13553.7	-1620.0	-8249.5	-0.22	-12.04	0.74
45	11	23078.3	-1251.9	-910.3	-0.09	1.78	-4.49
	112	-10578.3	1251.9	910.3	0.09	1.87	-0.86
46	11	21902.6	-1647.7	-5308.4	-0.18	12.74	-5.74
	112	-9402.6	1647.7	5308.4	0.18	8.50	-0.51
47	11	21394.6	-811.8	-8270.1	-0.18	20.17	-3.09
	112	-8894.6	811.8	8270.1	0.18	12.91	0.97
48	11	22134.9	300.5	-6410.7	-0.09	15.58	0.43
	112	-9634.9	-300.5	6410.7	0.09	10.06	1.90
49	11	25545.8	2455.9	5287.8	0.22	-13.53	7.26
	112	-13045.8	-2455.9	-5287.8	-0.22	-7.63	2.23
50	11	24370.1	2060.1	889.7	0.12	-2.57	6.00
	112	-11870.1	-2060.1	-889.7	-0.12	-1.00	2.58

51	11	20573.7	259.4	5387.5	0.09	-17.34	0.58
	112	-8073.7	-259.4	-5387.5	-0.09	-7.91	-0.46
52	11	21164.6	1154.2	6886.7	0.16	-13.64	3.41
	112	-8664.6	-1154.2	-6886.7	-0.16	-10.21	0.29
53	11	18774.9	-1156.6	-526.7	-0.09	-11.28	-3.90
	112	-6274.9	1156.6	526.7	0.09	1.04	-1.00
54	11	17823.9	-1475.6	-4096.8	-0.16	-2.38	-4.91
	112	-5323.9	1475.6	4096.8	0.16	6.43	-0.72
55	11	17403.8	-803.8	-6512.8	-0.17	12.32	-2.78
	112	-4903.8	803.8	6512.8	0.17	10.03	0.48
56	11	17994.6	91.0	-5013.6	-0.09	16.03	0.05
	112	-5494.6	-91.0	5013.6	0.09	7.73	1.23
57	11	20744.4	1826.0	4470.7	0.16	1.07	5.54
	112	-8244.4	-1826.0	-4470.7	-0.16	-6.61	1.49
58	11	19793.4	1507.1	900.6	0.08	9.97	4.53
	112	-7293.4	-1507.1	-900.6	-0.08	-1.22	1.77
1	12	8240.4	141.9	745.2	0.03	-1.43	-0.50
	116	-4031.6	-141.9	-745.2	-0.03	0.65	0.65
2	12	14841.1	660.8	250.6	0.12	-2.64	-1.24
	116	-10632.3	-660.8	-250.6	-0.12	2.38	1.93
3	12	16084.7	-1030.9	19159.8	0.37	-21.86	-3.73
	116	-11876.0	1030.9	-19159.8	-0.37	2.01	2.66
4	12	19650.5	-771.3	18562.5	0.41	-22.20	-4.30
	116	-15441.8	867.6	-18562.5	-0.41	2.96	3.45
5	12	16204.1	-1154.7	19831.3	0.41	-22.28	-3.87
	116	-11995.4	1154.7	-19831.3	-0.41	1.73	2.67
6	12	13167.8	-1187.3	20332.6	0.41	-22.07	-3.24
	116	-8959.1	1026.8	-20332.6	-0.41	1.01	2.09
7	12	13466.9	2478.0	-19432.3	-0.18	17.08	1.38
	116	-9258.2	-2478.0	19432.3	0.18	3.05	1.18
8	12	17032.7	2737.6	-20029.6	-0.14	16.74	0.81
	116	-12824.0	-2641.3	20029.6	0.14	4.01	1.97
9	12	13586.3	2354.2	-18760.8	-0.14	16.66	1.24
	116	-9377.6	-2354.2	18760.8	0.14	2.77	1.20
10	12	10550.0	2321.5	-18259.5	-0.14	16.86	1.87
	116	-6341.2	-2482.0	18259.5	0.14	2.05	0.62
11	12	12740.9	-1248.6	19149.2	0.31	-21.08	-3.31
	116	-8532.2	1248.6	-19149.2	-0.31	1.24	2.01
12	12	10123.1	2260.3	-19442.9	-0.24	17.86	1.80
	116	-5914.3	-2260.3	19442.9	0.24	2.29	0.54
13	12	18683.9	-815.8	18153.8	0.38	-21.65	-4.25
	116	-14475.1	976.3	-18153.8	-0.38	2.84	3.33
14	12	16066.1	2693.1	-20438.3	-0.17	17.29	0.86
	116	-11857.3	-2532.6	20438.3	0.17	3.88	1.85
15	12	12939.9	-1454.8	20268.4	0.38	-21.78	-3.54
	116	-8731.2	1454.8	-20268.4	-0.38	0.78	2.03
16	12	10322.1	2054.1	-18323.7	-0.17	17.16	1.57
	116	-6113.4	-2054.1	18323.7	0.17	1.82	0.56
17	12	7879.4	-1509.3	21103.9	0.37	-21.44	-2.49
	116	-3670.6	1241.8	-21103.9	-0.37	-0.42	1.07
18	12	5261.5	1999.6	-17488.2	-0.17	17.49	2.62
	116	-1052.8	-2267.1	17488.2	0.17	0.62	-0.41
19	12	13657.0	-2460.0	32271.2	0.51	-34.23	-5.06
	116	-9448.2	2460.0	-32271.2	-0.51	0.80	2.51
20	12	9294.0	3388.1	-32049.0	-0.40	30.67	3.46
	116	-5085.2	-3388.1	32049.0	0.40	2.54	0.05
21	12	17222.8	-2200.3	31673.9	0.55	-34.57	-5.63
	116	-13014.0	2296.6	-31673.9	-0.55	1.75	3.30

22	12	12859.8	3647.8	-32646.3	-0.36	30.33	2.89
	116	-8651.0	-3551.5	32646.3	0.36	3.49	0.84
23	12	13776.4	-2583.7	32942.6	0.55	-34.65	-5.20
	116	-9567.7	2583.7	-32942.6	-0.55	0.52	2.52
24	12	9413.4	3264.4	-31377.6	-0.36	30.25	3.32
	116	-5204.6	-3264.4	31377.6	0.36	2.26	0.06
25	12	10740.1	-2616.4	33444.0	0.55	-34.45	-4.57
	116	-6531.3	2455.9	-33444.0	-0.55	-0.20	1.94
26	12	6377.0	3231.7	-30876.2	-0.37	30.45	3.95
	116	-2168.3	-3392.2	30876.2	0.37	1.54	-0.52
27	12	10658.9	1103.4	4462.4	0.21	-4.09	0.01
	116	-7421.4	-1103.4	-4462.4	-0.21	-0.56	1.46
28	12	11097.9	1914.7	3532.2	0.28	-3.56	-0.22
	116	-7860.4	-1914.7	-3532.2	-0.28	-0.08	2.21
29	12	9939.1	-585.3	2913.5	0.02	-3.34	-0.25
	116	-6701.6	585.3	-2913.5	-0.02	0.23	0.22
30	12	10492.7	130.8	-894.7	0.03	-1.28	-1.09
	116	-7255.2	-130.8	894.7	-0.03	2.21	1.18
31	12	10065.5	-1017.0	-3063.8	-0.11	-0.17	-1.51
	116	-6828.0	1017.0	3063.8	0.11	3.33	0.45
32	12	10504.5	-205.6	-3994.0	-0.05	0.36	-1.74
	116	-7267.0	205.6	3994.0	0.05	3.81	1.20
33	12	11402.4	2119.2	-187.2	0.24	-1.57	-1.02
	116	-8164.9	-2119.2	187.2	-0.24	1.84	2.74
34	12	11224.4	1483.0	-2445.0	0.14	-0.39	-1.48
	116	-7986.9	-1483.0	2445.0	-0.14	3.01	2.44
35	12	8381.5	275.9	399.1	0.05	-1.46	-0.62
	116	-5144.0	-275.9	-399.1	-0.05	1.05	0.90
36	12	6137.8	144.8	306.1	0.00	-0.89	-0.32
	116	-2900.3	-144.8	-306.1	-0.00	0.57	0.47
37	12	8515.0	317.9	-92.1	0.03	-1.11	-0.70
	116	-5277.5	-253.7	92.1	-0.03	1.21	1.00
38	12	6217.4	62.3	753.7	0.03	-1.17	-0.41
	116	-2979.9	-62.3	-753.7	-0.03	0.39	0.48
39	12	4193.2	40.5	1087.9	0.03	-1.03	0.01
	116	-955.7	-147.5	-1087.9	-0.03	-0.09	0.09
40	12	7053.9	-1066.7	13428.0	0.20	-14.04	-2.07
	116	-3816.4	1066.7	-13428.0	-0.20	0.12	0.97
41	12	5308.7	1272.6	-12300.1	-0.16	11.92	1.34
	116	-2071.2	-1272.6	12300.1	0.16	0.82	-0.02
42	12	10581.7	448.9	234.2	0.08	-1.87	-0.86
	116	-7344.2	-448.9	-234.2	-0.08	1.62	1.33
43	12	10663.5	1129.0	4591.7	0.21	-4.16	0.02
	116	-7426.0	-1129.0	-4591.7	-0.21	-0.63	1.47
44	12	11123.4	1977.1	3655.9	0.28	-3.62	-0.20
	116	-7885.9	-1977.1	-3655.9	-0.28	-0.15	2.26
45	12	9908.7	-633.4	2960.7	0.01	-3.37	-0.27
	116	-6671.2	633.4	-2960.7	-0.01	0.21	0.16
46	12	9721.7	-1295.9	626.9	-0.09	-2.15	-0.74
	116	-6484.2	1295.9	-626.9	0.09	1.42	-0.16
47	12	10040.0	-1079.4	-3187.5	-0.12	-0.11	-1.53
	116	-6802.6	1079.4	3187.5	0.12	3.39	0.40
48	12	10500.0	-231.2	-4123.2	-0.05	0.43	-1.75
	116	-7262.5	231.2	4123.2	0.05	3.88	1.19
49	12	11441.8	2193.7	-158.5	0.25	-1.58	-0.99
	116	-8204.3	-2193.7	158.5	-0.25	1.83	2.82
50	12	11254.8	1531.1	-2492.2	0.15	-0.36	-1.46
	116	-8017.3	-1531.1	2492.2	-0.15	3.04	2.50
51	12	6245.2	650.4	4110.8	0.13	-2.92	0.35

	116	-3007.7	-650.4	-4110.8	-0.13	-1.36	0.58
52	12	6614.5	1328.7	3346.0	0.18	-2.48	0.18
	116	-3377.0	-1328.7	-3346.0	-0.18	-0.97	1.22
53	12	5640.4	-761.7	2788.0	-0.03	-2.28	0.11
	116	-2402.9	761.7	-2788.0	0.03	-0.68	-0.46
54	12	5491.2	-1293.6	889.3	-0.12	-1.29	-0.26
	116	-2253.7	1293.6	-889.3	0.12	0.30	-0.72
55	12	5748.0	-1122.8	-2218.1	-0.15	0.37	-0.91
	116	-2510.5	1122.8	2218.1	0.15	1.91	-0.27
56	12	6117.3	-444.4	-2982.9	-0.09	0.81	-1.09
	116	-2879.8	444.4	2982.9	0.09	2.30	0.37
57	12	6871.3	1499.6	238.6	0.15	-0.82	-0.47
	116	-3633.8	-1499.6	-238.6	-0.15	0.64	1.67
58	12	6722.1	967.6	-1660.1	0.07	0.17	-0.85
	116	-3484.6	-967.6	1660.1	-0.07	1.62	1.41
1	14	29088.3	266.1	-303.3	-0.06	0.69	0.36
	121	-12838.3	-266.1	303.3	0.06	0.52	0.71
2	14	37145.0	502.8	-533.8	-0.09	1.09	0.82
	121	-20895.0	-502.8	533.8	0.09	1.05	1.19
3	14	40410.8	2891.6	-7098.3	-0.11	15.92	7.24
	121	-24160.8	-2891.6	7098.3	0.11	12.48	4.32
4	14	45465.2	3835.9	-7169.8	0.14	16.03	9.06
	121	-29215.2	-3415.5	7169.8	-0.14	12.65	5.44
5	14	40485.0	2991.6	-6013.1	-0.06	13.16	7.51
	121	-24235.0	-2991.6	6013.1	0.06	10.89	4.46
6	14	36050.3	1917.4	-6014.8	-0.23	13.22	5.67
	121	-19800.3	-2618.1	6014.8	0.23	10.84	3.40
7	14	33793.5	-1998.4	4884.2	-0.13	-10.83	-5.90
	121	-17543.5	1998.4	-4884.2	0.13	-8.71	-2.10
8	14	38847.9	-1054.2	4812.7	0.12	-10.71	-4.08
	121	-22597.9	1474.6	-4812.7	-0.12	-8.54	-0.98
9	14	33867.6	-1898.5	5969.4	-0.08	-13.58	-5.63
	121	-17617.6	1898.5	-5969.4	0.08	-10.30	-1.96
10	14	29433.0	-2972.7	5967.7	-0.24	-13.53	-7.47
	121	-13183.0	2272.0	-5967.7	0.24	-10.34	-3.02
11	14	36353.9	2735.8	-7365.3	-0.12	16.69	6.91
	121	-20103.9	-2735.8	7365.3	0.12	12.77	4.03
12	14	29736.6	-2154.2	4617.3	-0.13	-10.06	-6.23
	121	-13486.6	2154.2	-4617.3	0.13	-8.41	-2.39
13	14	44778.0	4309.6	-7484.4	0.30	16.88	9.95
	121	-28528.0	-3608.9	7484.4	-0.30	13.06	5.89
14	14	38160.6	-580.5	4498.1	0.29	-9.86	-3.20
	121	-21910.6	1281.2	-4498.1	-0.29	-8.13	-0.53
15	14	36477.5	2902.4	-5556.6	-0.03	12.10	7.35
	121	-20227.5	-2902.4	5556.6	0.03	10.13	4.26
16	14	29860.2	-1987.7	6425.9	-0.05	-14.64	-5.79
	121	-13610.2	1987.7	-6425.9	0.05	-11.06	-2.16
17	14	29086.4	1112.1	-5559.3	-0.30	12.19	4.29
	121	-12836.4	-2279.9	5559.3	0.30	10.05	2.49
18	14	22469.1	-3777.9	6423.2	-0.32	-14.55	-8.85
	121	-6219.1	2610.2	-6423.2	0.32	-11.14	-3.92
19	14	38588.3	4403.3	-10977.3	-0.09	24.63	11.39
	121	-22338.3	-4403.3	10977.3	0.09	19.28	6.22
20	14	27559.4	-3746.8	8993.6	-0.12	-19.94	-10.51
	121	-11309.4	3746.8	-8993.6	0.12	-16.03	-4.48
21	14	43642.7	5347.6	-11048.8	0.16	24.75	13.21
	121	-27392.7	-4927.2	11048.8	-0.16	19.45	7.34
22	14	32613.8	-2802.6	8922.1	0.14	-19.82	-8.69

	121	-16363.8	3223.0	-8922.1	-0.14	-15.86	-3.36
23	14	38662.4	4503.3	-9892.0	-0.04	21.88	11.66
	121	-22412.4	-4503.3	9892.0	0.04	17.69	6.36
24	14	27633.5	-3646.9	10078.8	-0.07	-22.69	-10.25
	121	-11383.5	3646.9	-10078.8	0.07	-17.62	-4.34
25	14	34227.8	3429.1	-9893.7	-0.20	21.93	9.82
	121	-17977.8	-4129.8	9893.7	0.20	17.64	5.30
26	14	23198.9	-4721.0	10077.2	-0.23	-22.64	-12.08
	121	-6948.9	4020.4	-10077.2	0.23	-17.67	-5.40
27	14	25099.5	483.8	7804.4	0.37	-20.07	0.91
	121	-12599.5	-483.8	-7804.4	-0.37	-11.15	1.03
28	14	27358.0	1700.2	5997.6	0.02	-15.45	3.97
	121	-14858.0	-1700.2	-5997.6	-0.02	-8.54	2.83
29	14	23444.2	-1420.6	4821.0	0.61	-12.49	-3.88
	121	-10944.2	1420.6	-4821.0	-0.61	-6.79	-1.80
30	14	28048.0	190.7	-2554.4	-0.13	6.32	0.17
	121	-15548.0	-190.7	2554.4	0.13	3.90	0.60
31	14	27898.3	-902.7	-6742.4	-0.13	16.97	-2.59
	121	-15398.3	902.7	6742.4	0.13	10.00	-1.03
32	14	30156.8	313.6	-8549.2	-0.49	21.59	0.47
	121	-17656.8	-313.6	8549.2	0.49	12.61	0.78
33	14	30972.5	2634.0	-1201.8	-0.57	2.90	6.31
	121	-18472.5	-2634.0	1201.8	0.57	1.91	4.22
34	14	31812.1	2218.0	-5565.9	-0.72	14.01	5.27
	121	-19312.1	-2218.0	5565.9	0.72	8.25	3.61
35	14	24942.6	319.8	-295.6	-0.05	0.63	0.54
	121	-12442.6	-319.8	295.6	0.05	0.56	0.74
36	14	22228.5	203.5	-600.9	-0.05	1.47	0.28
	121	-9728.5	-203.5	600.9	0.05	0.94	0.53
37	14	25598.1	833.0	-648.6	0.11	1.54	1.50
	121	-13098.1	-552.7	648.6	-0.11	1.05	1.28
38	14	22277.9	270.1	122.5	-0.02	-0.37	0.46
	121	-9777.9	-270.1	-122.5	0.02	-0.12	0.62
39	14	19321.5	-446.0	121.4	-0.13	-0.33	-0.77
	121	-6821.5	-21.1	-121.4	0.13	-0.15	-0.08
40	14	24462.8	1871.0	-4212.9	-0.03	9.41	4.76
	121	-11962.8	-1871.0	4212.9	0.03	7.44	2.72
41	14	20051.3	-1389.1	3775.4	-0.04	-8.42	-4.00
	121	-7551.3	1389.1	-3775.4	0.04	-6.68	-1.56
42	14	27628.1	398.7	-372.4	-0.06	0.76	0.69
	121	-15128.1	-398.7	372.4	0.06	0.73	0.90
43	14	25018.5	487.7	8073.6	0.38	-20.76	0.92
	121	-12518.5	-487.7	-8073.6	-0.38	-11.53	1.03
44	14	27354.5	1748.2	6238.3	0.03	-16.07	4.09
	121	-14854.5	-1748.2	-6238.3	-0.03	-8.89	2.90
45	14	23302.3	-1486.3	4944.9	0.60	-12.82	-4.05
	121	-10802.3	1486.3	-4944.9	-0.60	-6.96	-1.89
46	14	24167.3	-1917.9	427.9	0.45	-1.31	-5.14
	121	-11667.3	1917.9	-427.9	-0.45	-0.40	-2.53
47	14	27901.8	-950.8	-6983.1	-0.14	17.58	-2.71
	121	-15401.8	950.8	6983.1	0.14	10.35	-1.10
48	14	30237.8	309.7	-8818.4	-0.49	22.28	0.46
	121	-17737.8	-309.7	8818.4	0.49	12.99	0.77
49	14	31088.9	2715.4	-1172.8	-0.56	2.83	6.52
	121	-18588.9	-2715.4	1172.8	0.56	1.86	4.34
50	14	31953.9	2283.8	-5689.8	-0.72	14.34	5.44
	121	-19453.9	-2283.8	5689.8	0.72	8.43	3.70
51	14	20140.6	315.2	6637.5	0.32	-16.97	0.57
	121	-7640.6	-315.2	-6637.5	-0.32	-9.58	0.69

52	14	22024.5	1330.8	5153.3	0.03	-13.18	3.13
	121	-9524.5	-1330.8	-5153.3	-0.03	-7.43	2.20
53	14	18764.8	-1277.1	4089.1	0.50	-10.50	-3.44
	121	-6264.8	1277.1	-4089.1	-0.50	-5.86	-1.67
54	14	19469.6	-1626.3	420.7	0.37	-1.16	-4.32
	121	-6969.6	1626.3	-420.7	-0.37	-0.52	-2.19
55	14	22489.6	-848.9	-5590.8	-0.11	14.17	-2.36
	121	-9989.6	848.9	5590.8	0.11	8.20	-1.03
56	14	24373.5	166.6	-7075.0	-0.39	17.96	0.19
	121	-11873.5	-166.6	7075.0	0.39	10.34	0.48
57	14	25044.6	2108.2	-858.2	-0.44	2.15	5.08
	121	-12544.6	-2108.2	858.2	0.44	1.29	3.35
58	14	25749.3	1758.9	-4526.6	-0.57	11.49	4.20
	121	-13249.3	-1758.9	4526.6	0.57	6.62	2.84
1	15	12797.5	481.7	1151.8	0.21	-0.63	-0.67
	49	-8588.8	-481.7	-1151.8	-0.21	-0.57	1.17
2	15	20820.2	678.6	2540.9	0.33	-1.41	-1.14
	49	-16611.4	-678.6	-2540.9	-0.33	-1.23	1.84
3	15	24730.4	5277.4	8657.3	1.13	-7.96	-3.61
	49	-20521.7	-5277.4	-8657.3	-1.13	-1.01	9.07
4	15	29788.0	4962.1	9131.4	0.93	-8.23	-4.98
	49	-25579.3	-4853.3	-9131.4	-0.93	-1.23	10.07
5	15	24854.9	5556.9	9285.4	1.39	-8.14	-3.63
	49	-20646.2	-5556.9	-9285.4	-1.39	-1.48	9.39
6	15	20408.3	5982.9	8869.9	1.42	-7.93	-2.41
	49	-16199.6	-6164.3	-8869.9	-1.42	-1.26	8.71
7	15	16770.4	-4233.3	-4264.9	-0.76	5.36	1.36
	49	-12561.6	4233.3	4264.9	0.76	-0.94	-5.74
8	15	21828.0	-4548.5	-3790.8	-0.96	5.09	-0.02
	49	-17619.3	4657.4	3790.8	0.96	-1.16	-4.75
9	15	16894.9	-3953.7	-3636.7	-0.49	5.18	1.33
	49	-12686.1	3953.7	3636.7	0.49	-1.41	-5.43
10	15	12448.3	-3527.8	-4052.3	-0.46	5.39	2.55
	49	-8239.6	3346.3	4052.3	0.46	-1.19	-6.11
11	15	20672.5	5074.6	7732.8	0.97	-7.50	-3.36
	49	-16463.8	-5074.6	-7732.8	-0.97	-0.51	8.62
12	15	12712.5	-4436.1	-5189.3	-0.92	5.82	1.60
	49	-8503.8	4436.1	5189.3	0.92	-0.44	-6.20
13	15	29101.9	4549.2	8523.0	0.64	-7.95	-5.66
	49	-24893.2	-4367.7	-8523.0	-0.64	-0.88	10.28
14	15	21141.9	-4961.5	-4399.1	-1.25	5.37	-0.69
	49	-16933.2	5142.9	4399.1	1.25	-0.82	-4.54
15	15	20880.1	5540.5	8779.8	1.42	-7.80	-3.40
	49	-16671.3	-5540.5	-8779.8	-1.42	-1.30	9.14
16	15	12920.0	-3970.2	-4142.4	-0.47	5.52	1.56
	49	-8711.3	3970.2	4142.4	0.47	-1.23	-5.68
17	15	13469.1	6250.4	8087.2	1.46	-7.45	-1.37
	49	-9260.3	-6552.8	-8087.2	-1.46	-0.93	8.01
18	15	5509.1	-3260.3	-4834.9	-0.42	5.87	3.59
	49	-1300.3	2957.8	4834.9	0.42	-0.86	-6.81
19	15	23372.4	8349.1	12270.0	1.69	-12.01	-5.03
	49	-19163.7	-8349.1	-12270.0	-1.69	-0.70	13.68
20	15	10105.7	-7501.9	-9266.9	-1.45	10.19	3.25
	49	-5897.0	7501.9	9266.9	1.45	-0.59	-11.02
21	15	28430.0	8033.9	12744.2	1.49	-12.28	-6.40
	49	-24221.3	-7925.0	-12744.2	-1.49	-0.92	14.67
22	15	15163.3	-7817.2	-8792.8	-1.64	9.92	1.87
	49	-10954.6	7926.1	8792.8	1.64	-0.81	-10.03

23	15	23496.9	8628.7	12898.2	1.96	-12.19	-5.05
	49	-19288.2	-8628.7	-12898.2	-1.96	-1.17	13.99
24	15	10230.2	-7222.4	-8638.7	-1.18	10.01	3.22
	49	-6021.5	7222.4	8638.7	1.18	-1.06	-10.71
25	15	19050.3	9054.6	12482.7	1.99	-11.98	-3.83
	49	-14841.6	-9236.1	-12482.7	-1.99	-0.95	13.31
26	15	5783.6	-6796.5	-9054.2	-1.15	10.22	4.44
	49	-1574.9	6615.0	9054.2	1.15	-0.84	-11.39
27	15	15241.5	-216.0	5641.9	1.74	-2.14	-0.96
	49	-12004.0	216.0	-5641.9	-1.74	-3.70	1.63
28	15	17570.0	448.1	7295.6	3.59	-2.67	-2.97
	49	-14332.5	-448.1	-7295.6	-3.59	-4.89	4.18
29	15	11595.8	-703.8	431.5	-2.13	-0.54	2.14
	49	-8358.3	703.8	-431.5	2.13	0.10	-2.38
30	15	14680.2	648.8	375.2	-0.52	-0.57	-0.54
	49	-11442.7	-648.8	-375.2	0.52	0.18	0.97
31	15	12586.8	603.6	-3732.8	-3.16	0.69	1.22
	49	-9349.3	-603.6	3732.8	3.16	3.18	-1.34
32	15	14915.3	1267.6	-2079.1	-1.31	0.16	-0.78
	49	-11677.8	-1267.6	2079.1	1.31	1.99	1.20
33	15	19357.4	1509.6	5943.8	4.03	-2.29	-4.54
	49	-16119.9	-1509.6	-5943.8	-4.03	-3.87	6.11
34	15	18561.0	1755.5	3131.4	2.56	-1.44	-3.88
	49	-15323.5	-1755.5	-3131.4	-2.56	-1.81	5.21
35	15	12404.2	460.2	1318.4	0.17	-0.73	-0.72
	49	-9166.7	-460.2	-1318.4	-0.17	-0.64	1.19
36	15	9683.4	290.2	625.5	0.04	-0.40	-0.55
	49	-6445.9	-290.2	-625.5	-0.04	-0.25	0.85
37	15	13055.2	80.0	941.5	-0.10	-0.58	-1.47
	49	-9817.7	-7.5	-941.5	0.10	-0.40	1.51
38	15	9766.4	476.6	1044.2	0.22	-0.52	-0.57
	49	-6528.9	-476.6	-1044.2	-0.22	-0.56	1.06
39	15	6802.1	760.5	767.2	0.24	-0.38	0.24
	49	-3564.6	-881.5	-767.2	-0.24	-0.42	0.61
40	15	12383.3	3564.8	5162.7	0.76	-4.91	-2.22
	49	-9145.8	-3564.8	-5162.7	-0.76	-0.44	5.91
41	15	7076.6	-2775.7	-3452.1	-0.49	3.97	1.09
	49	-3839.1	2775.7	3452.1	0.49	-0.39	-3.97
42	15	15078.4	525.8	1781.4	0.22	-0.99	-0.87
	49	-11840.9	-525.8	-1781.4	-0.22	-0.85	1.42
43	15	15249.2	-224.6	5797.7	1.82	-2.19	-0.98
	49	-12011.7	224.6	-5797.7	-1.82	-3.81	1.64
44	15	17665.3	448.2	7519.8	3.74	-2.74	-3.05
	49	-14427.8	-448.2	-7519.8	-3.74	-5.05	4.29
45	15	11465.1	-719.6	374.5	-2.22	-0.52	2.23
	49	-8227.6	719.6	-374.5	2.22	0.14	-2.54
46	15	10637.8	-471.2	-2551.9	-3.76	0.36	2.92
	49	-7400.3	471.2	2551.9	3.76	2.28	-3.47
47	15	12491.5	603.5	-3957.0	-3.31	0.76	1.30
	49	-9254.0	-603.5	3957.0	3.31	3.34	-1.46
48	15	14907.7	1276.2	-2234.9	-1.39	0.21	-0.77
	49	-11670.2	-1276.2	2234.9	1.39	2.11	1.20
49	15	19519.0	1522.9	6114.8	4.19	-2.34	-4.66
	49	-16281.5	-1522.9	-6114.8	-4.19	-3.99	6.30
50	15	18691.7	1771.3	3188.4	2.65	-1.46	-3.98
	49	-15454.2	-1771.3	-3188.4	-2.65	-1.85	5.38
51	15	9871.8	-213.1	4114.8	1.43	-1.44	-0.65
	49	-6634.3	213.1	-4114.8	-1.43	-2.82	1.15
52	15	11818.1	329.5	5492.1	2.96	-1.88	-2.31

	49	-8580.6	-329.5	-5492.1	-2.96	-3.81	3.29
53	15	6820.7	-610.7	-255.7	-1.81	-0.10	1.94
	49	-3583.2	610.7	255.7	1.81	0.37	-2.22
54	15	6151.6	-408.9	-2624.6	-3.05	0.62	2.49
	49	-2914.1	408.9	2624.6	3.05	2.10	-2.97
55	15	7641.8	459.6	-3781.5	-2.70	0.94	1.19
	49	-4404.3	-459.6	3781.5	2.70	2.98	-1.35
56	15	9588.1	1002.2	-2404.3	-1.16	0.50	-0.47
	49	-6350.6	-1002.2	2404.3	1.16	1.99	0.79
57	15	13308.3	1198.0	4335.2	3.32	-1.56	-3.61
	49	-10070.8	-1198.0	-4335.2	-3.32	-2.94	4.90
58	15	12639.3	1399.8	1966.3	2.08	-0.84	-3.06
	49	-9401.8	-1399.8	-1966.3	-2.08	-1.20	4.15
1	16	29498.5	150.4	-93.3	-0.05	0.10	0.02
	50	-13248.5	-150.4	93.3	0.05	0.27	0.58
2	16	38834.5	388.3	-176.2	-0.03	0.13	0.51
	50	-22584.5	-388.3	176.2	0.03	0.57	1.04
3	16	40145.2	2067.5	-499.3	-0.38	1.12	4.83
	50	-23895.2	-2067.5	499.3	0.38	0.88	3.44
4	16	46951.8	3694.9	-469.3	-0.08	0.96	8.35
	50	-30701.8	-3187.0	469.3	0.08	0.92	5.41
5	16	40500.6	2129.4	534.8	-0.39	-1.52	4.98
	50	-24250.6	-2129.4	-534.8	0.39	-0.62	3.53
6	16	34730.3	551.3	455.8	-0.61	-1.25	2.00
	50	-18480.3	-1397.7	-455.8	0.61	-0.57	1.90
7	16	37138.7	-1360.8	-948.5	0.33	1.95	-3.98
	50	-20888.7	1360.8	948.5	-0.33	1.84	-1.46
8	16	43945.3	266.6	-918.6	0.62	1.79	-0.47
	50	-27695.3	241.3	918.6	-0.62	1.89	0.52
9	16	37494.0	-1298.9	85.6	0.32	-0.69	-3.83
	50	-21244.0	1298.9	-85.6	-0.32	0.35	-1.36
10	16	31723.7	-2877.0	6.6	0.10	-0.42	-6.82
	50	-15473.7	2030.6	-6.6	-0.10	0.40	-3.00
11	16	35348.9	1925.3	-822.9	-0.39	2.04	4.53
	50	-19098.9	-1925.3	822.9	0.39	1.25	3.17
12	16	32342.3	-1503.0	-1272.2	0.32	2.87	-4.28
	50	-16092.3	1503.0	1272.2	-0.32	2.22	-1.73
13	16	46693.2	4637.6	-773.0	0.11	1.77	10.40
	50	-30443.2	-3791.2	773.0	-0.11	1.32	6.46
14	16	43686.6	1209.3	-1222.3	0.82	2.60	1.58
	50	-27436.6	-362.9	1222.3	-0.82	2.29	1.57
15	16	35941.1	2028.5	900.6	-0.40	-2.37	4.78
	50	-19691.1	-2028.5	-900.6	0.40	-1.24	3.33
16	16	32934.5	-1399.8	451.3	0.31	-1.54	-4.03
	50	-16684.5	1399.8	-451.3	-0.31	-0.27	-1.57
17	16	26323.9	-601.7	768.9	-0.77	-1.92	-0.19
	50	-10073.9	-809.0	-768.9	0.77	-1.16	0.60
18	16	23317.4	-4030.0	319.7	-0.06	-1.09	-9.00
	50	-7067.4	2619.3	-319.7	0.06	-0.19	-4.29
19	16	36479.4	3091.3	-308.0	-0.62	0.83	7.53
	50	-20229.4	-3091.3	308.0	0.62	0.40	4.84
20	16	31468.5	-2622.5	-1056.8	0.55	2.21	-7.16
	50	-15218.5	2622.5	1056.8	-0.55	2.02	-3.33
21	16	43286.0	4718.8	-278.1	-0.33	0.67	11.05
	50	-27036.0	-4210.9	278.1	0.33	0.44	6.81
22	16	38275.1	-995.1	-1026.9	0.85	2.05	-3.65
	50	-22025.1	1502.9	1026.9	-0.85	2.06	-1.35
23	16	36834.7	3153.3	726.1	-0.63	-1.81	7.68

	50	-20584.7	-3153.3	-726.1	0.63	-1.09	4.93
24	16	31823.8	-2560.5	-22.7	0.55	-0.43	-7.02
	50	-15573.8	2560.5	22.7	-0.55	0.52	-3.23
25	16	31064.4	1575.1	647.1	-0.85	-1.54	4.70
	50	-14814.4	-2421.6	-647.1	0.85	-1.04	3.30
26	16	26053.5	-4138.7	-101.7	0.32	-0.16	-10.00
	50	-9803.5	3292.2	101.7	-0.32	0.57	-4.86
27	16	29596.8	124.0	7620.4	0.42	-19.95	0.00
	50	-17096.8	-124.0	-7620.4	-0.42	-10.53	0.49
28	16	31534.3	1190.6	5917.5	0.14	-15.52	2.60
	50	-19034.3	-1190.6	-5917.5	-0.14	-8.15	2.17
29	16	26119.8	-1346.1	4797.8	0.53	-12.69	-3.58
	50	-13619.8	1346.1	-4797.8	-0.53	-6.51	-1.81
30	16	28306.1	238.3	-2162.7	-0.11	5.36	0.28
	50	-15806.1	-238.3	2162.7	0.11	3.29	0.67
31	16	26120.8	-520.6	-6120.6	-0.18	15.59	-1.57
	50	-13620.8	520.6	6120.6	0.18	8.89	-0.51
32	16	28058.3	546.1	-7823.5	-0.45	20.02	1.03
	50	-15558.3	-546.1	7823.5	0.45	11.28	1.16
33	16	32578.0	2209.5	-878.6	-0.39	2.09	5.07
	50	-20078.0	-2209.5	878.6	0.39	1.44	3.76
34	16	31535.2	2016.1	-5000.9	-0.57	12.75	4.60
	50	-19035.2	-2016.1	5000.9	0.57	7.26	3.46
35	16	25715.5	255.7	-73.9	-0.02	0.02	0.35
	50	-13215.5	-255.7	73.9	0.02	0.27	0.67
36	16	22475.2	153.1	-411.3	-0.03	0.95	0.13
	50	-9975.2	-153.1	411.3	0.03	0.70	0.48
37	16	27012.9	1238.1	-391.4	0.17	0.84	2.48
	50	-14512.9	-899.5	391.4	-0.17	0.73	1.80
38	16	22712.1	194.4	278.0	-0.03	-0.82	0.23
	50	-10212.1	-194.4	-278.0	0.03	-0.30	0.55
39	16	18865.2	-857.6	225.4	-0.18	-0.64	-1.76
	50	-6365.2	293.3	-225.4	0.18	-0.26	-0.55
40	16	23605.7	1319.2	103.5	-0.27	-0.26	3.13
	50	-11105.7	-1319.2	-103.5	0.27	-0.15	2.15
41	16	21601.4	-966.3	-196.0	0.20	0.29	-2.75
	50	-9101.4	966.3	196.0	-0.20	0.50	-1.12
42	16	28827.5	335.0	-101.5	-0.02	0.03	0.51
	50	-16327.5	-335.0	101.5	0.02	0.37	0.83
43	16	29705.5	157.1	7875.2	0.42	-20.62	0.08
	50	-17205.5	-157.1	-7875.2	-0.42	-10.88	0.55
44	16	31576.4	1169.6	6144.2	0.15	-16.11	2.55
	50	-19076.4	-1169.6	-6144.2	-0.15	-8.47	2.13
45	16	26253.5	-1254.0	4916.8	0.51	-13.01	-3.35
	50	-13753.5	1254.0	-4916.8	-0.51	-6.67	-1.67
46	16	25165.4	-1451.1	650.0	0.33	-1.97	-3.83
	50	-12665.4	1451.1	-650.0	-0.33	-0.64	-1.97
47	16	26078.7	-499.6	-6347.3	-0.19	16.17	-1.52
	50	-13578.7	499.6	6347.3	0.19	9.21	-0.48
48	16	27949.5	512.9	-8078.3	-0.45	20.69	0.94
	50	-15449.5	-512.9	8078.3	0.45	11.63	1.11
49	16	32489.7	2121.1	-853.1	-0.37	2.03	4.86
	50	-19989.7	-2121.1	853.1	0.37	1.39	3.63
50	16	31401.6	1924.1	-5119.8	-0.55	13.07	4.38
	50	-18901.6	-1924.1	5119.8	0.55	7.42	3.32
51	16	23307.6	31.9	6428.7	0.32	-16.75	-0.16
	50	-10807.6	-31.9	-6428.7	-0.32	-8.97	0.29
52	16	24818.6	853.8	5029.3	0.11	-13.10	1.84
	50	-12318.6	-853.8	-5029.3	-0.11	-7.01	1.58

53	16	20523.1	-1113.5	4018.6	0.40	-10.55	-2.95
	50	-8023.1	1113.5	-4018.6	-0.40	-5.54	-1.51
54	16	19647.4	-1273.3	553.5	0.25	-1.58	-3.34
	50	-7147.4	1273.3	-553.5	-0.25	-0.64	-1.76
55	16	20388.5	-500.9	-5121.7	-0.17	13.13	-1.46
	50	-7888.5	500.9	5121.7	0.17	7.36	-0.54
56	16	21899.5	321.0	-6521.1	-0.39	16.77	0.54
	50	-9399.5	-321.0	6521.1	0.39	9.31	0.74
57	16	25559.7	1626.2	-646.0	-0.31	1.61	3.72
	50	-13059.7	-1626.2	646.0	0.31	0.99	2.79
58	16	24684.0	1466.3	-4111.1	-0.46	10.57	3.33
	50	-12184.0	-1466.3	4111.1	0.46	5.88	2.54
1	17	13228.3	-41.7	-1846.4	0.30	-0.27	-0.66
	51	-9019.6	41.7	1846.4	-0.30	2.18	0.62
2	17	22498.1	159.8	-4676.9	0.46	-0.64	-1.13
	51	-18289.4	-159.8	4676.9	-0.46	5.49	1.30
3	17	24793.9	712.8	-5009.7	2.14	-0.09	-3.97
	51	-20585.1	-712.8	5009.7	-2.14	5.28	4.71
4	17	31581.1	1987.7	-6619.8	1.97	-0.22	-5.66
	51	-27372.3	-1856.2	6619.8	-1.97	7.08	7.65
5	17	24915.1	681.6	-4544.8	2.50	-0.14	-4.08
	51	-20706.3	-681.6	4544.8	-2.50	4.85	4.79
6	17	19173.9	221.9	-3380.5	2.57	-0.03	-2.61
	51	-14965.2	-441.1	3380.5	-2.57	3.53	2.95
7	17	20067.3	-359.6	-4853.5	-1.61	-1.12	1.83
	51	-15858.5	359.6	4853.5	1.61	6.15	-2.20
8	17	26854.5	915.3	-6463.6	-1.79	-1.26	0.14
	51	-22645.7	-783.7	6463.6	1.79	7.96	0.74
9	17	20188.5	-390.8	-4388.6	-1.25	-1.18	1.71
	51	-15979.7	390.8	4388.6	1.25	5.73	-2.12
10	17	14447.3	-850.6	-3224.3	-1.19	-1.07	3.19
	51	-10238.5	631.3	3224.3	1.19	4.41	-3.96
11	17	20113.9	623.2	-3764.1	1.93	0.13	-3.69
	51	-15905.2	-623.2	3764.1	-1.93	3.77	4.34
12	17	15387.3	-449.2	-3607.9	-1.82	-0.91	2.11
	51	-11178.6	449.2	3607.9	1.82	4.65	-2.57
13	17	31425.9	2748.1	-6447.8	1.64	-0.10	-6.50
	51	-27217.2	-2528.9	6447.8	-1.64	6.78	9.24
14	17	26699.3	1675.7	-6291.6	-2.12	-1.14	-0.71
	51	-22490.6	-1456.4	6291.6	2.12	7.66	2.33
15	17	20315.9	571.2	-2989.3	2.53	0.03	-3.88
	51	-16107.2	-571.2	2989.3	-2.53	3.07	4.47
16	17	15589.3	-501.2	-2833.1	-1.23	-1.01	1.92
	51	-11380.6	501.2	2833.1	1.23	3.94	-2.43
17	17	10747.3	-195.0	-1048.8	2.64	0.22	-1.43
	51	-6538.5	-170.4	1048.8	-2.64	0.87	1.41
18	17	6020.7	-1267.4	-892.7	-1.11	-0.82	4.37
	51	-1811.9	902.0	892.7	1.11	1.74	-5.50
19	17	21734.5	969.5	-3646.4	3.32	0.45	-5.67
	51	-17525.8	-969.5	3646.4	-3.32	3.33	6.67
20	17	13856.8	-817.9	-3386.1	-2.94	-1.28	4.00
	51	-9648.1	817.9	3386.1	2.94	4.79	-4.84
21	17	28521.7	2244.4	-5256.6	3.14	0.31	-7.35
	51	-24313.0	-2112.9	5256.6	-3.14	5.14	9.61
22	17	20644.0	457.0	-4996.3	-3.12	-1.42	2.31
	51	-16435.3	-325.5	4996.3	3.12	6.60	-1.90
23	17	21855.7	938.3	-3181.6	3.67	0.39	-5.78
	51	-17647.0	-938.3	3181.6	-3.67	2.91	6.75

24	17	13978.0	-849.1	-2921.3	-2.59	-1.34	3.88
	51	-9769.3	849.1	2921.3	2.59	4.37	-4.76
25	17	16114.5	478.6	-2017.3	3.74	0.50	-4.31
	51	-11905.8	-697.8	2017.3	-3.74	1.59	4.92
26	17	8236.8	-1308.8	-1757.0	-2.52	-1.23	5.36
	51	-4028.1	1089.6	1757.0	2.52	3.05	-6.60
27	17	15865.7	186.2	-291.0	1.77	-1.15	-0.68
	51	-12628.2	-186.2	291.0	-1.77	1.46	-0.38
28	17	17811.6	-335.8	1210.1	3.33	-1.73	-2.33
	51	-14574.1	335.8	-1210.1	-3.33	0.44	1.47
29	17	13193.7	974.0	-4641.9	-1.61	0.24	1.67
	51	-9956.2	-974.0	4641.9	1.61	4.64	-2.17
30	17	16092.5	257.4	-4368.4	-0.36	-0.14	-0.70
	51	-12855.0	-257.4	4368.4	0.36	4.67	1.23
31	17	14717.7	697.3	-7718.7	-2.70	0.86	0.55
	51	-11480.2	-697.3	7718.7	2.70	7.18	0.68
32	17	16663.6	175.4	-6217.6	-1.14	0.27	-1.10
	51	-13426.1	-175.4	6217.6	1.14	6.16	2.53
33	17	19680.0	-765.8	361.7	3.59	-1.71	-3.82
	51	-16442.5	765.8	-361.7	-3.59	1.26	4.00
34	17	19335.6	-612.5	-1866.6	2.24	-1.11	-3.45
	51	-16098.1	612.5	1866.6	-2.24	2.97	4.32
35	17	13174.7	113.6	-2310.8	0.26	-0.31	-0.73
	51	-9937.2	-113.6	2310.8	-0.26	2.71	0.85
36	17	10039.8	57.6	-1537.0	0.08	-0.16	-0.53
	51	-6802.3	-57.6	1537.0	-0.08	1.75	0.59
37	17	14564.6	907.6	-2610.4	-0.04	-0.25	-1.66
	51	-11327.1	-819.9	2610.4	0.04	2.96	2.55
38	17	10120.6	36.8	-1227.1	0.32	-0.20	-0.61
	51	-6883.1	-36.8	1227.1	-0.32	1.47	0.65
39	17	6293.1	-269.7	-450.9	0.36	-0.13	0.37
	51	-3055.6	123.5	450.9	-0.36	0.59	-0.58
40	17	11660.3	403.9	-1419.3	1.46	0.16	-2.51
	51	-8422.8	-403.9	1419.3	-1.46	1.31	2.93
41	17	8509.3	-311.1	-1315.2	-1.04	-0.53	1.36
	51	-5271.8	311.1	1315.2	1.04	1.89	-1.68
42	17	16264.7	180.8	-3254.3	0.32	-0.44	-0.89
	51	-13027.2	-180.8	3254.3	-0.32	3.81	1.07
43	17	15930.9	163.0	-163.2	1.84	-1.18	-0.72
	51	-12693.4	-163.0	163.2	-1.84	1.36	-0.32
44	17	17779.9	-334.3	1391.9	3.47	-1.79	-2.32
	51	-14542.4	334.3	-1391.9	-3.47	0.32	1.41
45	17	13360.3	929.7	-4685.5	-1.70	0.27	1.59
	51	-10122.8	-929.7	4685.5	1.70	4.65	-1.98
46	17	13005.8	1089.5	-7006.7	-3.10	0.90	1.97
	51	-9768.3	-1089.5	7006.7	3.10	6.43	-1.66
47	17	14749.4	695.8	-7900.5	-2.84	0.92	0.55
	51	-11511.9	-695.8	7900.5	2.84	7.30	0.74
48	17	16598.4	198.5	-6345.4	-1.21	0.31	-1.05
	51	-13360.9	-198.5	6345.4	1.21	6.26	2.47
49	17	19523.6	-728.0	498.2	3.73	-1.77	-3.75
	51	-16286.1	728.0	-498.2	-3.73	1.18	3.81
50	17	19169.1	-568.2	-1823.0	2.33	-1.14	-3.37
	51	-15931.6	568.2	1823.0	-2.33	2.97	4.13
51	17	9809.6	35.0	1139.5	1.44	-0.79	-0.44
	51	-6572.1	-35.0	-1139.5	-1.44	-0.39	-0.52
52	17	11309.7	-367.6	2383.6	2.74	-1.28	-1.74
	51	-8072.2	367.6	-2383.6	-2.74	-1.22	0.89
53	17	7727.1	653.5	-2502.1	-1.40	0.38	1.43

	51	-4489.6	-653.5	2502.1	1.40	2.27	-1.86
54	17	7442.2	781.1	-4379.3	-2.53	0.88	1.74
	51	-4204.7	-781.1	4379.3	2.53	3.71	-1.60
55	17	8859.9	460.4	-5118.1	-2.32	0.90	0.59
	51	-5622.4	-460.4	5118.1	2.32	4.43	0.35
56	17	10360.0	57.9	-3874.0	-1.02	0.41	-0.71
	51	-7122.5	-57.9	3874.0	1.02	3.59	1.76
57	17	12727.4	-688.3	1644.8	2.94	-1.26	-2.89
	51	-9489.9	688.3	-1644.8	-2.94	-0.51	2.84
58	17	12442.5	-560.6	-232.5	1.82	-0.75	-2.58
	51	-9205.0	560.6	232.5	-1.82	0.94	3.10
1	18	28879.9	46.3	250.6	-0.01	-0.36	-0.24
	52	-12629.9	-46.3	-250.6	0.01	-0.64	0.42
2	18	37704.8	260.0	532.0	-0.04	-0.67	0.19
	52	-21454.8	-260.0	-532.0	0.04	-1.46	0.85
3	18	39138.4	1504.1	9457.7	0.03	-19.81	3.49
	52	-22888.4	-1504.1	-9457.7	-0.03	-18.02	2.53
4	18	45600.4	3018.2	9606.2	-0.23	-20.02	6.77
	52	-29350.4	-2546.8	-9606.2	0.23	-18.41	4.36
5	18	38728.2	1489.8	10464.5	0.06	-22.37	3.46
	52	-22478.2	-1489.8	-10464.5	-0.06	-19.48	2.50
6	18	33102.1	-2.4	10310.6	0.24	-22.11	0.61
	52	-16852.1	-783.3	-10310.6	-0.24	-19.13	0.95
7	18	36706.4	-968.5	-9461.4	-0.13	21.20	-3.08
	52	-20456.4	968.5	9461.4	0.13	16.64	-0.80
8	18	43168.4	545.6	-9312.9	-0.39	20.99	0.20
	52	-26918.4	-74.1	9312.9	0.39	16.26	1.04
9	18	36296.3	-982.8	-8454.6	-0.10	18.63	-3.11
	52	-20046.3	982.8	8454.6	0.10	15.18	-0.82
10	18	30670.1	-2475.0	-8608.5	0.08	18.90	-5.96
	52	-14420.1	1689.3	8608.5	-0.08	15.53	-2.37
11	18	34871.0	1402.5	8961.1	0.03	-18.75	3.29
	52	-18621.0	-1402.5	-8961.1	-0.03	-17.10	2.32
12	18	32439.0	-1070.2	-9958.0	-0.13	22.26	-3.28
	52	-16189.0	1070.2	9958.0	0.13	17.57	-1.00
13	18	45641.0	3925.9	9208.6	-0.40	-19.10	8.75
	52	-29391.0	-3140.2	-9208.6	0.40	-17.74	5.38
14	18	43209.0	1453.3	-9710.5	-0.55	21.91	2.19
	52	-26959.0	-667.6	9710.5	0.55	16.93	2.05
15	18	34187.4	1378.6	10639.1	0.08	-23.03	3.24
	52	-17937.4	-1378.6	-10639.1	-0.08	-19.53	2.28
16	18	31755.4	-1094.1	-8280.0	-0.08	17.98	-3.33
	52	-15505.4	1094.1	8280.0	0.08	15.14	-1.05
17	18	24810.5	-1108.4	10382.7	0.38	-22.59	-1.51
	52	-8560.5	-201.1	-10382.7	-0.38	-18.94	-0.30
18	18	22378.6	-3581.0	-8536.4	0.22	18.42	-8.08
	52	-6128.6	2271.5	8536.4	-0.22	15.72	-3.63
19	18	35536.6	2221.5	15623.4	0.09	-33.33	5.46
	52	-19286.6	-2221.5	-15623.4	-0.09	-29.17	3.42
20	18	31483.3	-1899.6	-15908.5	-0.17	35.02	-5.48
	52	-15233.3	1899.6	15908.5	0.17	28.61	-2.12
21	18	41998.6	3735.5	15771.9	-0.16	-33.54	8.74
	52	-25748.6	-3264.1	-15771.9	0.16	-29.55	5.25
22	18	37945.3	-385.5	-15760.0	-0.43	34.81	-2.20
	52	-21695.3	856.9	15760.0	0.43	28.23	-0.29
23	18	35126.4	2207.1	16630.1	0.12	-35.89	5.43
	52	-18876.4	-2207.1	-16630.1	-0.12	-30.63	3.39
24	18	31073.2	-1913.9	-14901.7	-0.14	32.45	-5.51

	52	-14823.2	1913.9	14901.7	0.14	27.15	-2.15
25	18	29500.3	714.9	16476.3	0.30	-35.63	2.58
	52	-13250.3	-1500.6	-16476.3	-0.30	-30.28	1.85
26	18	25447.0	-3406.1	-15055.5	0.04	32.72	-8.36
	52	-9197.0	2620.4	15055.5	-0.04	27.50	-3.69
27	18	23806.9	-427.5	7889.4	0.32	-19.92	-1.32
	52	-11306.9	427.5	-7889.4	-0.32	-11.64	-0.39
28	18	26065.4	570.1	6211.8	0.13	-15.56	1.11
	52	-13565.4	-570.1	-6211.8	-0.13	-9.28	1.17
29	18	23364.1	-1472.8	5148.4	0.36	-12.85	-3.89
	52	-10864.1	1472.8	-5148.4	-0.36	-7.75	-2.01
30	18	29007.2	291.5	-1674.4	-0.10	4.83	0.39
	52	-16507.2	-291.5	1674.4	0.10	1.87	0.78
31	18	30070.0	-88.8	-5533.7	-0.19	14.80	-0.55
	52	-17570.0	88.8	5533.7	0.19	7.33	0.20
32	18	32328.5	908.8	-7211.3	-0.37	19.16	1.87
	52	-19828.5	-908.8	7211.3	0.37	9.69	1.77
33	18	30892.4	1852.5	-443.4	-0.26	1.67	4.21
	52	-18392.4	-1852.5	443.4	0.26	0.11	3.20
34	18	32771.3	1954.1	-4470.4	-0.41	12.09	4.44
	52	-20271.3	-1954.1	4470.4	0.41	5.80	3.38
35	18	25126.1	169.4	245.2	-0.02	-0.28	0.13
	52	-12626.1	-169.4	-245.2	0.02	-0.70	0.54
36	18	22329.5	103.3	-204.4	-0.02	0.73	0.00
	52	-9829.5	-103.3	204.4	0.02	0.09	0.41
37	18	26637.5	1112.7	-105.4	-0.19	0.59	2.19
	52	-14137.5	-798.4	105.4	0.19	-0.17	1.63
38	18	22056.1	93.8	466.7	0.00	-0.98	-0.02
	52	-9556.1	-93.8	-466.7	-0.00	-0.88	0.39
39	18	18305.3	-901.0	364.2	0.12	-0.81	-1.92
	52	-5805.3	377.2	-364.2	-0.12	-0.65	-0.64
40	18	22995.1	922.3	6457.8	0.04	-13.85	2.18
	52	-10495.1	-922.3	-6457.8	-0.04	-11.98	1.51
41	18	21373.8	-726.1	-6154.9	-0.06	13.49	-2.20
	52	-8873.8	726.1	6154.9	0.06	11.13	-0.71
42	18	28067.7	240.6	339.0	-0.03	-0.38	0.28
	52	-15567.7	-240.6	-339.0	0.03	-0.98	0.69
43	18	23782.1	-380.9	8137.1	0.32	-20.57	-1.21
	52	-11282.1	380.9	-8137.1	-0.32	-11.98	-0.32
44	18	25869.9	527.3	6434.4	0.15	-16.14	1.00
	52	-13369.9	-527.3	-6434.4	-0.15	-9.60	1.10
45	18	23615.4	-1323.1	5260.8	0.33	-13.16	-3.52
	52	-11115.4	1323.1	-5260.8	-0.33	-7.90	-1.77
46	18	25560.5	-1222.7	1092.8	0.18	-2.37	-3.30
	52	-13060.5	1222.7	-1092.8	-0.18	-2.01	-1.60
47	18	30265.5	-46.0	-5756.3	-0.20	15.38	-0.45
	52	-17765.5	46.0	5756.3	0.20	7.65	0.27
48	18	32353.4	862.2	-7459.0	-0.37	19.81	1.76
	52	-19853.4	-862.2	7459.0	0.37	10.03	1.69
49	18	30575.0	1704.0	-414.7	-0.23	1.61	3.85
	52	-18075.0	-1704.0	414.7	0.23	0.06	2.97
50	18	32520.0	1804.4	-4582.7	-0.39	12.40	4.08
	52	-20020.0	-1804.4	4582.7	0.39	5.94	3.15
51	18	18700.5	-408.2	6481.5	0.27	-16.56	-1.22
	52	-6200.5	408.2	-6481.5	-0.27	-9.36	-0.42
52	18	20401.2	331.4	5104.6	0.13	-12.98	0.59
	52	-7901.2	-331.4	-5104.6	-0.13	-7.43	0.74
53	18	18559.9	-1175.4	4138.7	0.29	-10.52	-3.10
	52	-6059.9	1175.4	-4138.7	-0.29	-6.04	-1.60

54	18	20140.0	-1093.5	753.7	0.16	-1.77	-2.92
	52	-7640.0	1093.5	-753.7	-0.16	-1.25	-1.46
55	18	23967.7	-135.1	-4801.8	-0.15	12.63	-0.60
	52	-11467.7	135.1	4801.8	0.15	6.58	0.06
56	18	25668.4	604.5	-6178.6	-0.29	16.21	1.20
	52	-13168.4	-604.5	6178.6	0.29	8.51	1.22
57	18	24228.9	1289.8	-450.9	-0.18	1.41	2.90
	52	-11728.9	-1289.8	450.9	0.18	0.40	2.26
58	18	25809.0	1371.7	-3835.8	-0.30	10.17	3.09
	52	-13309.0	-1371.7	3835.8	0.30	5.18	2.40
1	20	12668.1	71.5	1995.1	0.01	0.68	-0.46
	125	-8459.3	-71.5	-1995.1	-0.01	-2.75	0.53
2	20	21367.5	307.1	4746.0	-0.02	1.86	-0.92
	125	-17158.7	-307.1	-4746.0	0.02	-6.78	1.23
3	20	23397.8	1644.7	-9233.4	0.56	15.84	-2.67
	125	-19189.0	-1644.7	9233.4	-0.56	-6.27	4.37
4	20	29829.8	2843.6	-7390.9	1.19	16.26	-4.32
	125	-25621.0	-2721.5	7390.9	-1.19	-8.60	7.20
5	20	23346.1	1664.1	-8703.6	0.85	15.71	-2.66
	125	-19137.3	-1664.1	8703.6	-0.85	-6.70	4.39
6	20	17732.3	1139.7	-10116.3	0.33	15.41	-1.22
	125	-13523.6	-1343.2	10116.3	-0.33	-4.93	2.51
7	20	19392.0	-1050.3	18156.0	-0.92	-11.97	0.83
	125	-15183.2	1050.3	-18156.0	0.92	-6.84	-1.92
8	20	25824.0	148.6	19998.5	-0.29	-11.55	-0.82
	125	-21615.2	-26.5	-19998.5	0.29	-9.16	0.91
9	20	19340.3	-1030.9	18685.9	-0.63	-12.10	0.84
	125	-15131.5	1030.9	-18685.9	0.63	-7.26	-1.91
10	20	13726.5	-1555.3	17273.1	-1.14	-12.40	2.28
	125	-9517.8	1351.8	-17273.1	1.14	-5.49	-3.79
11	20	19066.3	1520.3	-10798.6	0.47	15.29	-2.45
	125	-14857.6	-1520.3	10798.6	-0.47	-4.11	4.02
12	20	15060.5	-1174.7	16590.8	-1.01	-12.52	1.06
	125	-10851.8	1174.7	-16590.8	1.01	-4.67	-2.27
13	20	29786.4	3518.4	-7727.9	1.52	15.99	-5.19
	125	-25577.6	-3314.9	7727.9	-1.52	-7.99	8.73
14	20	25780.6	823.4	19661.5	0.04	-11.82	-1.69
	125	-21571.8	-619.9	-19661.5	-0.04	-8.55	2.44
15	20	18980.2	1552.7	-9915.6	0.95	15.09	-2.43
	125	-14771.5	-1552.7	9915.6	-0.95	-4.81	4.04
16	20	14974.4	-1142.3	17473.8	-0.52	-12.72	1.07
	125	-10765.6	1142.3	-17473.8	0.52	-5.38	-2.25
17	20	9624.0	678.6	-12270.2	0.09	14.57	-0.03
	125	-5415.2	-1017.7	12270.2	-0.09	-1.86	0.91
18	20	5618.2	-2016.4	15119.2	-1.38	-13.24	3.47
	125	-1409.4	1677.3	-15119.2	1.38	-2.43	-5.39
19	20	20383.4	2425.2	-19738.6	1.06	24.52	-3.61
	125	-16174.6	-2425.2	19738.6	-1.06	-4.07	6.12
20	20	13707.0	-2066.4	25910.4	-1.39	-21.83	2.23
	125	-9498.3	2066.4	-25910.4	1.39	-5.01	-4.37
21	20	26815.4	3624.1	-17896.2	1.69	24.94	-5.25
	125	-22606.6	-3502.0	17896.2	-1.69	-6.40	8.95
22	20	20139.0	-867.6	27752.8	-0.76	-21.41	0.58
	125	-15930.3	989.6	-27752.8	0.76	-7.34	-1.54
23	20	20331.7	2444.6	-19208.8	1.35	24.39	-3.60
	125	-16122.9	-2444.6	19208.8	-1.35	-4.49	6.13
24	20	13655.3	-2047.0	26440.2	-1.10	-21.96	2.23
	125	-9446.6	2047.0	-26440.2	1.10	-5.44	-4.35

25	20	14717.9	1920.2	-20621.6	0.84	24.09	-2.16
	125	-10509.2	-2123.7	20621.6	-0.84	-2.72	4.25
26	20	8041.6	-2571.5	25027.4	-1.62	-22.26	3.68
	125	-3832.8	2368.0	-25027.4	1.62	-3.66	-6.23
27	20	13974.2	442.9	7233.3	1.63	-0.10	0.29
	125	-10736.7	-442.9	-7233.3	-1.63	-7.38	0.38
28	20	15860.9	932.2	8751.1	2.83	-0.80	-1.12
	125	-12623.4	-932.2	-8751.1	-2.83	-8.28	2.20
29	20	12162.9	-416.5	2163.7	-1.34	1.93	1.71
	125	-8925.4	416.5	-2163.7	1.34	-4.14	-1.92
30	20	15641.6	151.6	1866.1	-0.69	1.83	-0.83
	125	-12404.1	-151.6	-1866.1	0.69	-3.76	0.93
31	20	15088.1	-381.6	-2191.5	-2.86	3.40	-0.34
	125	-11850.6	381.6	2191.5	2.86	-1.12	-0.16
32	20	16974.7	107.7	-673.7	-1.66	2.71	-1.75
	125	-13737.2	-107.7	673.7	1.66	-2.02	1.65
33	20	18451.9	1214.5	7223.3	2.66	-0.38	-2.98
	125	-15214.4	-1214.5	-7223.3	-2.66	-7.14	4.12
34	20	18786.0	967.1	4395.9	1.31	0.67	-3.17
	125	-15548.5	-967.1	-4395.9	-1.31	-5.26	3.95
35	20	12574.7	196.7	2362.8	-0.00	0.91	-0.58
	125	-9337.2	-196.7	-2362.8	0.00	-3.36	0.78
36	20	9693.2	111.6	1256.1	-0.10	0.56	-0.43
	125	-6455.7	-111.6	-1256.1	0.10	-1.86	0.55
37	20	13981.2	910.8	2484.4	0.32	0.84	-1.53
	125	-10743.7	-829.4	-2484.4	-0.32	-3.42	2.43
38	20	9658.7	124.5	1609.3	0.10	0.48	-0.42
	125	-6421.2	-124.5	-1609.3	-0.10	-2.15	0.55
39	20	5916.2	-225.1	667.4	-0.25	0.27	0.54
	125	-2678.7	89.4	-667.4	0.25	-0.97	-0.70
40	20	11010.2	1016.5	-7684.0	0.50	9.79	-1.59
	125	-7772.7	-1016.5	7684.0	-0.50	-1.83	2.65
41	20	8339.6	-780.1	10575.6	-0.49	-8.75	0.74
	125	-5102.1	780.1	-10575.6	0.49	-2.20	-1.55
42	20	15474.5	275.3	3279.8	-0.01	1.30	-0.73
	125	-12237.0	-275.3	-3279.8	0.01	-4.70	1.02
43	20	14045.4	472.5	7379.5	1.70	-0.16	0.23
	125	-10807.9	-472.5	-7379.5	-1.70	-7.48	0.46
44	20	15766.2	934.1	8981.3	2.94	-0.89	-1.05
	125	-12528.7	-934.1	-8981.3	-2.94	-8.43	2.12
45	20	12436.0	-365.7	2080.3	-1.38	1.98	1.50
	125	-9198.5	365.7	-2080.3	1.38	-4.10	-1.67
46	20	12777.2	-622.5	-860.1	-2.78	3.07	1.31
	125	-9539.7	622.5	860.1	2.78	-2.15	-1.83
47	20	15182.8	-383.6	-2421.7	-2.97	3.50	-0.41
	125	-11945.3	383.6	2421.7	2.97	-0.97	-0.08
48	20	16903.5	78.1	-819.9	-1.73	2.76	-1.69
	125	-13666.0	-78.1	819.9	1.73	-1.92	1.58
49	20	18171.7	1173.1	7419.7	2.75	-0.47	-2.77
	125	-14934.2	-1173.1	-7419.7	-2.75	-7.25	3.86
50	20	18513.0	916.3	4479.3	1.35	0.63	-2.96
	125	-15275.5	-916.3	-4479.3	-1.35	-5.30	3.70
51	20	8510.5	276.1	4774.8	1.39	-0.67	0.35
	125	-5273.0	-276.1	-4774.8	-1.39	-4.27	0.09
52	20	9912.0	648.8	6053.0	2.38	-1.25	-0.69
	125	-6674.5	-648.8	-6053.0	-2.38	-5.03	1.44
53	20	7200.0	-399.7	506.0	-1.08	1.05	1.39
	125	-3962.6	399.7	-506.0	1.08	-1.55	-1.64
54	20	7478.3	-606.2	-1874.8	-2.21	1.93	1.23

	125	-4240.8	606.2	1874.8	2.21	0.03	-1.77
55	20	9437.9	-412.4	-3161.3	-2.37	2.29	-0.17
	125	-6200.4	412.4	3161.3	2.37	1.00	-0.34
56	20	10839.3	-39.7	-1883.1	-1.38	1.70	-1.21
	125	-7601.8	39.7	1883.1	1.38	0.24	1.01
57	20	11871.6	842.6	4766.5	2.22	-0.90	-2.09
	125	-8634.1	-842.6	-4766.5	-2.22	-4.06	2.87
58	20	12149.8	636.1	2385.7	1.09	-0.01	-2.24
	125	-8912.3	-636.1	-2385.7	-1.09	-2.48	2.74
1	21	25352.4	-184.9	532.7	0.00	-1.12	-0.78
	62	-9102.4	184.9	-532.7	-0.00	-1.01	0.04
2	21	28013.7	-153.9	1001.7	-0.01	-1.85	-0.75
	62	-11763.7	153.9	-1001.7	0.01	-2.16	0.13
3	21	29788.6	965.8	15871.3	0.06	-31.00	2.18
	62	-13538.6	-965.8	-15871.3	-0.06	-32.49	1.68
4	21	32471.1	1766.0	16059.4	-0.18	-31.28	3.97
	62	-16221.1	-1598.4	-16059.4	0.18	-32.96	2.75
5	21	30409.9	972.6	16640.1	0.13	-33.00	2.18
	62	-14159.9	-972.6	-16640.1	-0.13	-33.56	1.71
6	21	27766.7	179.9	16478.0	0.29	-32.73	0.54
	62	-11516.7	-459.4	-16478.0	-0.29	-33.18	0.74
7	21	25577.8	-1281.7	-14681.9	-0.15	29.42	-3.68
	62	-9327.8	1281.7	14681.9	0.15	29.31	-1.44
8	21	28260.3	-481.4	-14493.8	-0.40	29.13	-1.89
	62	-12010.3	649.1	14493.8	0.40	28.84	-0.37
9	21	26199.1	-1274.9	-13913.2	-0.09	27.41	-3.68
	62	-9949.1	1274.9	13913.2	0.09	28.24	-1.42
10	21	23555.9	-2067.5	-14075.2	0.07	27.68	-5.33
	62	-7305.9	1788.1	14075.2	-0.07	28.62	-2.38
11	21	28237.7	947.5	15365.5	0.05	-29.93	2.16
	62	-11987.7	-947.5	-15365.5	-0.05	-31.54	1.63
12	21	24026.8	-1300.0	-15187.7	-0.17	30.49	-3.70
	62	-7776.8	1300.0	15187.7	0.17	30.26	-1.50
13	21	32708.5	2281.3	15679.0	-0.36	-30.40	5.16
	62	-16458.5	-2001.9	-15679.0	0.36	-32.31	3.41
14	21	28497.7	33.8	-14874.2	-0.57	30.01	-0.71
	62	-12247.7	245.6	14874.2	0.57	29.49	0.28
15	21	29273.2	958.9	16646.7	0.15	-33.26	2.17
	62	-13023.2	-958.9	-16646.7	-0.15	-33.32	1.67
16	21	25062.3	-1288.6	-13906.5	-0.06	27.15	-3.69
	62	-8812.3	1288.6	13906.5	0.06	28.48	-1.46
17	21	24867.9	-362.2	16376.7	0.42	-32.82	-0.58
	62	-8617.9	-103.6	-16376.7	-0.42	-32.68	0.06
18	21	20657.1	-2609.6	-14176.5	0.20	27.59	-6.44
	62	-4407.1	2143.9	14176.5	-0.20	29.12	-3.07
19	21	29861.6	1699.4	25821.2	0.14	-50.77	4.12
	62	-13611.6	-1699.4	-25821.2	-0.14	-52.52	2.68
20	21	22843.5	-2046.4	-25100.8	-0.22	49.92	-5.65
	62	-6593.5	2046.4	25100.8	0.22	50.49	-2.53
21	21	32544.1	2499.7	26009.4	-0.10	-51.06	5.92
	62	-16294.1	-2332.0	-26009.4	0.10	-52.98	3.75
22	21	25526.0	-1246.1	-24912.7	-0.46	49.63	-3.86
	62	-9276.0	1413.8	24912.7	0.46	50.02	-1.46
23	21	30482.9	1706.3	26590.0	0.21	-52.77	4.12
	62	-14232.9	-1706.3	-26590.0	-0.21	-53.59	2.70
24	21	23464.8	-2039.5	-24332.1	-0.15	47.92	-5.65
	62	-7214.8	2039.5	24332.1	0.15	49.41	-2.51
25	21	27839.7	913.6	26428.0	0.37	-52.51	2.48

	62	-11589.7	-1193.1	-26428.0	-0.37	-53.20	1.74
26	21	20821.7	-2832.2	-24494.1	0.01	48.18	-7.30
	62	-4571.7	2552.7	24494.1	-0.01	49.80	-3.47
27	21	25049.7	-534.5	6423.0	0.31	-16.53	-1.56
	62	-12549.7	534.5	-6423.0	-0.31	-9.17	-0.22
28	21	26500.5	185.5	5119.4	0.56	-13.04	0.15
	62	-14000.5	-185.5	-5119.4	-0.56	-7.43	0.95
29	21	20186.1	-1304.3	4346.7	-0.29	-11.02	-3.38
	62	-7686.1	1304.3	-4346.7	0.29	-6.38	-1.73
30	21	19886.2	-44.1	-909.2	-0.14	3.00	-0.37
	62	-7386.2	44.1	909.2	0.14	0.64	0.08
31	21	15989.9	-333.9	-3854.6	-0.57	10.83	-1.04
	62	-3489.9	333.9	3854.6	0.57	4.58	-0.65
32	21	17440.7	386.0	-5158.1	-0.33	14.32	0.67
	62	-4940.7	-386.0	5158.1	0.33	6.32	0.52
33	21	25022.2	1095.6	1.4	0.54	0.60	2.33
	62	-12522.2	-1095.6	-1.4	-0.54	-0.60	2.16
34	21	22304.3	1155.8	-3081.8	0.27	8.81	2.49
	62	-9804.3	-1155.8	3081.8	-0.27	3.53	2.03
35	21	20358.1	-84.6	476.1	-0.00	-0.86	-0.45
	62	-7858.1	84.6	-476.1	0.00	-1.04	0.12
36	21	19250.7	-97.6	48.4	-0.02	0.09	-0.46
	62	-6750.7	97.6	-48.4	0.02	-0.28	0.07
37	21	21039.1	435.9	173.9	-0.19	-0.10	0.73
	62	-8539.1	-324.1	-173.9	0.19	-0.59	0.79
38	21	19664.9	-93.1	560.9	0.02	-1.25	-0.46
	62	-7164.9	93.1	-560.9	-0.02	-1.00	0.09
39	21	17902.8	-621.5	452.9	0.13	-1.07	-1.56
	62	-5402.8	435.2	-452.9	-0.13	-0.74	-0.55
40	21	20874.7	654.3	10504.2	0.07	-20.76	1.49
	62	-8374.7	-654.3	-10504.2	-0.07	-21.26	1.12
41	21	18067.4	-844.1	-9864.6	-0.07	19.52	-2.42
	62	-5567.4	844.1	9864.6	0.07	19.94	-0.96
42	21	21245.2	-74.2	632.4	-0.01	-1.10	-0.44
	62	-8745.2	74.2	-632.4	0.01	-1.42	0.15
43	21	25231.8	-486.3	6608.4	0.33	-17.03	-1.45
	62	-12731.8	486.3	-6608.4	-0.33	-9.41	-0.18
44	21	26642.8	161.6	5291.2	0.57	-13.50	0.09
	62	-14142.8	-161.6	-5291.2	-0.57	-7.66	0.88
45	21	20301.2	-1180.4	4422.9	-0.27	-11.24	-3.09
	62	-7801.2	1180.4	-4422.9	0.27	-6.46	-1.54
46	21	17485.9	-1127.5	1232.5	-0.54	-2.74	-2.94
	62	-4985.9	1127.5	-1232.5	0.54	-2.20	-1.67
47	21	15847.6	-310.0	-4026.4	-0.58	11.29	-0.98
	62	-3347.6	310.0	4026.4	0.58	4.81	-0.58
48	21	17258.6	337.8	-5343.6	-0.35	14.82	0.56
	62	-4758.6	-337.8	5343.6	0.35	6.56	0.47
49	21	25004.5	979.1	32.3	0.53	0.54	2.05
	62	-12504.5	-979.1	-32.3	-0.53	-0.65	1.96
50	21	22189.2	1031.9	-3158.1	0.25	9.03	2.20
	62	-9689.2	-1031.9	3158.1	-0.25	3.61	1.84
51	21	22710.8	-430.0	5171.4	0.27	-13.55	-1.28
	62	-10210.8	430.0	-5171.4	-0.27	-7.14	-0.18
52	21	23846.7	97.2	4105.5	0.47	-10.69	-0.03
	62	-11346.7	-97.2	-4105.5	-0.47	-5.73	0.67
53	21	18720.0	-995.1	3392.0	-0.21	-8.83	-2.61
	62	-6220.0	995.1	-3392.0	0.21	-4.75	-1.30
54	21	16435.4	-952.2	800.7	-0.43	-1.93	-2.49
	62	-3935.4	952.2	-800.7	0.43	-1.28	-1.39

55	21	15095.4	-287.0	-3466.0	-0.47	9.45	-0.89
	62	-2595.4	287.0	3466.0	0.47	4.41	-0.51
56	21	16231.3	240.2	-4531.9	-0.27	12.31	0.36
	62	-3731.3	-240.2	4531.9	0.27	5.82	0.35
57	21	22506.7	762.4	-161.2	0.43	0.69	1.57
	62	-10006.7	-762.4	161.2	-0.43	-0.04	1.56
58	21	20222.1	805.3	-2752.4	0.21	7.59	1.69
	62	-7722.1	-805.3	2752.4	-0.21	3.43	1.46
1	23	9080.1	-202.5	13.2	0.05	0.97	-0.01
	129	-4871.4	202.5	-13.2	-0.05	-0.98	-0.20
2	23	11887.9	-193.3	85.4	0.09	2.38	-0.08
	129	-7679.1	193.3	-85.4	-0.09	-2.47	-0.12
3	23	12840.5	803.8	-29777.9	0.38	31.43	-1.63
	129	-8631.8	-803.8	29777.9	-0.38	-0.58	2.46
4	23	15546.3	820.9	-29308.9	1.09	31.94	-2.90
	129	-11337.5	-777.5	29308.9	-1.09	-1.57	3.73
5	23	12901.4	732.0	-29621.2	0.61	31.52	-1.65
	129	-8692.7	-732.0	29621.2	-0.61	-0.83	2.41
6	23	10261.6	740.6	-29982.3	0.06	31.14	-0.58
	129	-6052.9	-813.0	29982.3	-0.06	-0.08	1.38
7	23	10869.5	-1114.0	29778.1	-0.46	-26.75	1.49
	129	-6660.8	1114.0	-29778.1	0.46	-4.10	-2.64
8	23	13575.2	-1096.9	30247.0	0.25	-26.24	0.22
	129	-9366.5	1140.3	-30247.0	-0.25	-5.09	-1.37
9	23	10930.4	-1185.8	29934.7	-0.23	-26.66	1.47
	129	-6721.7	1185.8	-29934.7	0.23	-4.35	-2.70
10	23	8290.6	-1177.1	29573.6	-0.78	-27.04	2.54
	129	-4081.8	1104.8	-29573.6	0.78	-3.60	-3.72
11	23	11414.7	824.6	-29870.9	0.28	30.69	-1.58
	129	-7206.0	-824.6	29870.9	-0.28	0.26	2.44
12	23	9443.7	-1093.1	29685.0	-0.57	-27.49	1.53
	129	-5235.0	1093.1	-29685.0	0.57	-3.26	-2.66
13	23	15924.3	853.1	-29089.3	1.46	31.54	-3.70
	129	-11715.5	-780.7	29089.3	-1.46	-1.40	4.55
14	23	13953.3	-1064.7	30466.7	0.62	-26.64	-0.59
	129	-9744.5	1137.0	-30466.7	-0.62	-4.92	-0.55
15	23	11516.3	704.9	-29609.8	0.66	30.85	-1.62
	129	-7307.5	-704.9	29609.8	-0.66	-0.17	2.35
16	23	9545.2	-1212.8	29946.2	-0.18	-27.33	1.50
	129	-5336.5	1212.8	-29946.2	0.18	-3.69	-2.76
17	23	7116.6	719.3	-30211.6	-0.26	30.21	0.16
	129	-2907.8	-840.0	30211.6	0.26	1.09	0.64
18	23	5145.5	-1198.4	29344.3	-1.10	-27.97	3.28
	129	-936.8	1077.8	-29344.3	1.10	-2.43	-4.46
19	23	12093.7	1438.4	-49666.0	0.64	50.11	-2.63
	129	-7884.9	-1438.4	49666.0	-0.64	1.34	4.12
20	23	8808.6	-1757.8	49593.9	-0.76	-46.85	2.56
	129	-4599.9	1757.8	-49593.9	0.76	-4.53	-4.38
21	23	14799.4	1455.5	-49197.0	1.35	50.62	-3.90
	129	-10590.7	-1412.1	49197.0	-1.35	0.35	5.39
22	23	11514.3	-1740.8	50062.9	-0.05	-46.34	1.29
	129	-7305.6	1784.2	-50062.9	0.05	-5.52	-3.12
23	23	12154.6	1366.6	-49509.3	0.87	50.21	-2.65
	129	-7945.8	-1366.6	49509.3	-0.87	1.08	4.06
24	23	8869.5	-1829.7	49750.6	-0.53	-46.76	2.54
	129	-4660.8	1829.7	-49750.6	0.53	-4.78	-4.44
25	23	9514.8	1375.3	-49870.4	0.32	49.83	-1.58
	129	-5306.0	-1447.6	49870.4	-0.32	1.84	3.04

26	23	6229.7	-1821.0	49389.5	-1.08	-47.14	3.61
	129	-2021.0	1748.6	-49389.5	1.08	-4.03	-5.46
27	23	8713.3	-653.6	1721.4	1.45	1.58	0.30
	129	-5475.8	653.6	-1721.4	-1.45	-3.46	-1.18
28	23	9924.4	-1145.2	2599.0	2.55	1.17	-1.00
	129	-6686.9	1145.2	-2599.0	-2.55	-4.05	-0.17
29	23	6981.1	476.8	-769.6	-1.19	2.24	1.99
	129	-3743.6	-476.8	769.6	1.19	-1.33	-1.88
30	23	8726.0	134.8	-564.6	-0.52	1.72	-0.04
	129	-5488.5	-134.8	564.6	0.52	-1.09	0.21
31	23	7801.2	937.5	-2470.6	-2.43	2.11	0.78
	129	-4563.7	-937.5	2470.6	2.43	0.64	0.18
32	23	9012.3	445.9	-1593.0	-1.33	1.70	-0.53
	129	-5774.8	-445.9	1593.0	1.33	0.05	1.19
33	23	11018.1	-1161.8	2155.7	2.48	0.88	-2.35
	129	-7780.6	1161.8	-2155.7	-2.48	-3.31	1.48
34	23	10744.5	-684.4	898.1	1.31	1.03	-2.21
	129	-7507.0	684.4	-898.1	-1.31	-2.08	1.89
35	23	7926.9	-106.9	40.1	0.05	1.17	-0.09
	129	-4689.4	106.9	-40.1	-0.05	-1.21	-0.03
36	23	6969.0	-84.5	-40.8	-0.05	0.66	-0.05
	129	-3731.5	84.5	40.8	0.05	-0.62	-0.03
37	23	8772.9	-73.2	271.8	0.42	1.00	-0.90
	129	-5535.4	102.1	-271.8	-0.42	-1.29	0.81
38	23	7009.6	-132.4	63.6	0.11	0.73	-0.07
	129	-3772.1	132.4	-63.6	-0.11	-0.79	-0.07
39	23	5249.8	-126.7	-177.1	-0.26	0.47	0.65
	129	-2012.3	78.4	177.1	0.26	-0.29	-0.75
40	23	7648.0	529.3	-19835.9	0.31	20.09	-1.10
	129	-4410.5	-529.3	19835.9	-0.31	0.46	1.65
41	23	6333.9	-749.2	19868.0	-0.25	-18.70	0.98
	129	-3096.4	749.2	-19868.0	0.25	-1.89	-1.75
42	23	8862.8	-103.8	64.2	0.06	1.64	-0.11
	129	-5625.3	103.8	-64.2	-0.06	-1.71	0.00
43	23	8784.7	-687.1	1787.0	1.52	1.58	0.25
	129	-5547.2	687.1	-1787.0	-1.52	-3.52	-1.15
44	23	9871.9	-1177.8	2711.0	2.64	1.16	-0.93
	129	-6634.4	1177.8	-2711.0	-2.64	-4.14	-0.25
45	23	7190.4	465.5	-820.2	-1.20	2.26	1.79
	129	-3952.9	-465.5	820.2	1.20	-1.30	-1.72
46	23	6911.0	962.6	-2131.1	-2.41	2.42	1.93
	129	-3673.5	-962.6	2131.1	2.41	-0.03	-1.30
47	23	7853.6	970.1	-2582.5	-2.52	2.11	0.71
	129	-4616.1	-970.1	2582.5	2.52	0.73	0.25
48	23	8940.9	479.4	-1658.6	-1.40	1.69	-0.47
	129	-5703.4	-479.4	1658.6	1.40	0.11	1.16
49	23	10814.5	-1170.3	2259.5	2.53	0.86	-2.15
	129	-7577.0	1170.3	-2259.5	-2.53	-3.38	1.30
50	23	10535.2	-673.1	948.7	1.32	1.02	-2.01
	129	-7297.7	673.1	-948.7	-1.32	-2.11	1.73
51	23	6925.7	-581.9	1413.1	1.22	0.65	0.24
	129	-3688.2	581.9	-1413.1	-1.22	-2.19	-0.99
52	23	7810.0	-975.7	2150.0	2.11	0.32	-0.73
	129	-4572.5	975.7	-2150.0	-2.11	-2.69	-0.25
53	23	5630.3	345.7	-682.4	-0.97	1.20	1.49
	129	-2392.8	-345.7	682.4	0.97	-0.40	-1.45
54	23	5404.1	747.0	-1741.7	-1.94	1.32	1.60
	129	-2166.6	-747.0	1741.7	1.94	0.63	-1.11
55	23	6171.9	755.7	-2117.9	-2.04	1.08	0.61

	129	-2934.4	-755.7	2117.9	2.04	1.26	0.15
56	23	7056.2	361.9	-1381.0	-1.15	0.74	-0.36
	129	-3818.7	-361.9	1381.0	1.15	0.76	0.88
57	23	8577.8	-967.0	1773.8	2.01	0.07	-1.72
	129	-5340.3	967.0	-1773.8	-2.01	-2.06	1.01
58	23	8351.6	-565.7	714.5	1.03	0.20	-1.61
	129	-5114.1	565.7	-714.5	-1.03	-1.03	1.35
1	24	38687.5	-49.6	503.1	-0.02	-0.88	-0.70
	66	-21348.8	49.6	-503.1	0.02	-1.27	0.49
2	24	45321.6	-118.5	825.2	-0.03	-1.40	-1.10
	66	-27982.8	118.5	-825.2	0.03	-2.12	0.60
3	24	46442.6	1841.6	4532.8	0.57	-9.40	3.84
	66	-29103.8	-1841.6	-4532.8	-0.57	-9.95	4.02
4	24	49902.3	4780.9	4866.0	0.44	-10.02	10.82
	66	-32563.5	-4780.9	-4866.0	-0.44	-10.75	9.58
5	24	47194.6	1913.9	5042.3	0.68	-10.52	4.00
	66	-29855.9	-1913.9	-5042.3	-0.68	-11.01	4.17
6	24	44534.9	-624.6	4739.6	0.75	-9.93	-2.06
	66	-27196.2	624.6	-4739.6	-0.75	-10.29	-0.61
7	24	43393.4	-2160.5	-3428.4	-0.75	7.79	-6.22
	66	-26054.6	2160.5	3428.4	0.75	6.84	-3.00
8	24	46853.1	778.8	-3095.1	-0.89	7.17	0.76
	66	-29514.3	-778.8	3095.1	0.89	6.04	2.57
9	24	44145.4	-2088.2	-2918.9	-0.64	6.67	-6.07
	66	-26806.7	2088.2	2918.9	0.64	5.78	-2.84
10	24	41485.7	-4626.7	-3221.6	-0.58	7.25	-12.12
	66	-24147.0	4626.7	3221.6	0.58	6.50	-7.62
11	24	42856.5	1848.7	4189.8	0.54	-8.74	3.99
	66	-25517.7	-1848.7	-4189.8	-0.54	-9.14	3.90
12	24	39807.3	-2153.5	-3771.4	-0.79	8.45	-6.08
	66	-22468.5	2153.5	3771.4	0.79	7.65	-3.11
13	24	48622.7	6747.5	4745.1	0.31	-9.77	15.62
	66	-31283.9	-6747.5	-4745.1	-0.31	-10.48	13.18
14	24	45573.5	2745.4	-3216.0	-1.01	7.42	5.55
	66	-28234.7	-2745.4	3216.0	1.01	6.31	6.16
15	24	44109.9	1969.2	5038.9	0.72	-10.60	4.24
	66	-26771.2	-1969.2	-5038.9	-0.72	-10.91	4.16
16	24	41060.7	-2032.9	-2922.3	-0.61	6.59	-5.82
	66	-23722.0	2032.9	2922.3	0.61	5.88	-2.85
17	24	39677.1	-2261.7	4534.4	0.83	-9.63	-5.85
	66	-22338.3	2261.7	-4534.4	-0.83	-9.72	-3.80
18	24	36627.9	-6263.8	-3426.8	-0.50	7.56	-15.91
	66	-19289.1	6263.8	3426.8	0.50	7.07	-10.82
19	24	44141.9	3210.1	7025.5	1.02	-14.87	7.40
	66	-26803.2	-3210.1	-7025.5	-1.02	-15.12	6.30
20	24	39060.0	-3460.2	-6243.1	-1.19	13.78	-9.38
	66	-21721.2	3460.2	6243.1	1.19	12.86	-5.39
21	24	47601.7	6149.3	7358.7	0.89	-15.49	14.38
	66	-30262.9	-6149.3	-7358.7	-0.89	-15.92	11.86
22	24	42519.7	-520.9	-5909.9	-1.32	13.16	-2.40
	66	-25180.9	520.9	5909.9	1.32	12.06	0.17
23	24	44894.0	3282.4	7534.9	1.13	-15.98	7.55
	66	-27555.3	-3282.4	-7534.9	-1.13	-16.18	6.46
24	24	39812.0	-3387.8	-5733.7	-1.08	12.66	-9.22
	66	-22473.3	3387.8	5733.7	1.08	11.81	-5.24
25	24	42234.3	743.8	7232.3	1.19	-15.40	1.50
	66	-24895.6	-743.8	-7232.3	-1.19	-15.47	1.67
26	24	37152.3	-5926.4	-6036.3	-1.02	13.25	-15.28

	66	-19813.6	5926.4	6036.3	1.02	12.52	-10.02
27	24	38262.1	-1705.5	3540.1	0.47	-7.50	-4.75
	66	-24924.6	1705.5	-3540.1	-0.47	-7.61	-2.54
28	24	39650.6	954.9	4614.1	0.36	-9.90	1.70
	66	-26313.1	-954.9	-4614.1	-0.36	-9.79	2.36
29	24	33092.2	-4572.2	-164.8	0.30	0.72	-11.71
	66	-19754.7	4572.2	164.8	-0.30	-0.01	-7.81
30	24	32363.5	65.1	-476.6	-0.15	1.37	-0.46
	66	-19026.0	-65.1	476.6	0.15	0.67	0.74
31	24	28119.3	-1028.0	-3465.5	-0.40	7.99	-3.11
	66	-14781.8	1028.0	3465.5	0.40	6.80	-1.27
32	24	29507.8	1632.4	-2391.5	-0.52	5.59	3.34
	66	-16170.3	-1632.4	2391.5	0.52	4.61	3.63
33	24	37720.5	4295.9	3415.1	-0.08	-7.27	9.81
	66	-24383.0	-4295.9	-3415.1	0.08	-7.30	8.52
34	24	34677.7	4499.1	1313.4	-0.34	-2.63	10.30
	66	-21340.2	-4499.1	-1313.4	0.34	-2.98	8.91
35	24	31673.6	-13.6	466.9	-0.02	-0.78	-0.57
	66	-18336.1	13.6	-466.9	0.02	-1.21	0.51
36	24	29193.2	-18.0	177.6	-0.06	-0.21	-0.49
	66	-15855.7	18.0	-177.6	0.06	-0.55	0.42
37	24	31499.6	1941.6	399.7	-0.15	-0.62	4.16
	66	-18162.1	-1941.6	-399.7	0.15	-1.08	4.13
38	24	29694.5	30.2	517.2	0.02	-0.95	-0.39
	66	-16357.0	-30.2	-517.2	-0.02	-1.25	0.52
39	24	27921.4	-1662.1	315.4	0.06	-0.57	-4.43
	66	-14583.9	1662.1	-315.4	-0.06	-0.78	-2.67
40	24	30478.6	1343.4	3013.3	0.43	-6.34	2.92
	66	-17141.1	-1343.4	-3013.3	-0.43	-6.52	2.81
41	24	28445.8	-1324.7	-2294.2	-0.46	5.12	-3.79
	66	-15108.3	1324.7	2294.2	0.46	4.67	-1.86
42	24	33884.9	-36.5	574.3	-0.02	-0.96	-0.70
	66	-20547.4	36.5	-574.3	0.02	-1.50	0.55
43	24	38425.4	-1524.0	3650.6	0.48	-7.75	-4.31
	66	-25087.9	1524.0	-3650.6	-0.48	-7.83	-1.10
44	24	39878.2	862.8	4781.6	0.37	-10.27	1.48
	66	-26540.7	-862.8	-4781.6	-0.37	-10.14	3.30
45	24	33043.7	-4102.7	-218.2	0.30	0.83	-10.57
	66	-19706.2	4102.7	218.2	-0.30	0.10	-6.61
46	24	29883.6	-3926.3	-2403.3	0.03	5.67	-10.14
	66	-16546.1	3926.3	2403.3	-0.03	4.59	-6.94
47	24	27891.7	-935.9	-3633.1	-0.42	8.36	-2.89
	66	-14554.2	935.9	3633.1	0.42	7.15	-2.20
48	24	29344.4	1450.9	-2502.0	-0.53	5.84	2.91
	66	-16006.9	-1450.9	2502.0	0.53	4.84	2.19
49	24	37886.3	3853.2	3551.9	-0.07	-7.58	8.74
	66	-24548.8	-3853.2	-3551.9	0.07	-7.58	8.04
50	24	34726.2	4029.6	1366.8	-0.34	-2.75	9.16
	66	-21388.7	-4029.6	-1366.8	0.34	-3.09	7.71
51	24	33151.8	-1201.2	2858.0	0.39	-6.12	-3.37
	66	-19814.2	1201.2	-2858.0	-0.39	-6.07	-0.86
52	24	34313.7	741.7	3761.3	0.30	-8.14	1.34
	66	-20976.2	-741.7	-3761.3	-0.30	-7.91	2.71
53	24	28806.8	-3300.6	-261.0	0.25	0.79	-8.47
	66	-15469.3	3300.6	261.0	-0.25	0.32	-5.35
54	24	26244.6	-3157.1	-2031.0	0.03	4.71	-8.12
	66	-12907.0	3157.1	2031.0	-0.03	3.96	-5.62
55	24	24610.8	-722.9	-3042.2	-0.34	6.92	-2.21
	66	-11273.3	722.9	3042.2	0.34	6.06	-1.77

56	24	25772.7	1219.9	-2138.9	-0.43	4.91	2.50
	66	-12435.2	-1219.9	2138.9	0.43	4.22	1.81
57	24	32679.9	3175.8	2750.1	-0.06	-5.92	7.25
	66	-19342.4	-3175.8	-2750.1	0.06	-5.81	6.57
58	24	30117.6	3319.3	980.1	-0.28	-2.01	7.60
	66	-16780.1	-3319.3	-980.1	0.28	-2.17	6.30
1	26	24125.1	-91.3	-29.4	-0.00	-0.25	-0.70
	133	-7875.1	91.3	29.4	0.00	0.37	0.34
2	26	30682.5	309.2	-314.1	-0.04	0.20	-0.07
	133	-14432.5	-309.2	314.1	0.04	1.06	1.30
3	26	33721.6	12931.0	-3023.8	0.52	6.26	28.22
	133	-17471.6	-12931.0	2652.0	-0.52	5.09	23.50
4	26	30052.3	13400.3	-2468.6	0.65	5.39	29.61
	133	-13802.3	-13400.3	2468.6	-0.65	4.48	23.99
5	26	27819.0	12160.7	-1718.9	0.71	4.25	26.55
	133	-11569.0	-12160.7	2338.6	-0.71	3.86	22.10
6	26	30535.5	11702.8	-2446.4	0.59	5.26	25.24
	133	-14285.5	-11702.8	2446.4	-0.59	4.52	21.58
7	26	34315.7	-11446.9	1248.2	-0.78	-3.95	-26.48
	133	-18065.8	11446.9	-1620.0	0.78	-1.78	-19.31
8	26	30646.4	-10977.7	1803.5	-0.66	-4.82	-25.09
	133	-14396.4	10977.7	-1803.5	0.66	-2.39	-18.82
9	26	28413.1	-12217.3	2553.1	-0.59	-5.96	-28.16
	133	-12163.1	12217.3	-1933.5	0.59	-3.01	-20.71
10	26	31129.6	-12675.2	1825.7	-0.71	-4.95	-29.47
	133	-14879.6	12675.2	-1825.7	0.71	-2.35	-21.23
11	26	32667.0	13019.4	-3263.9	0.47	6.67	28.53
	133	-16417.0	-13019.4	2644.2	-0.47	5.14	23.55
12	26	33261.1	-11358.6	1008.2	-0.83	-3.54	-26.17
	133	-17011.1	11358.6	-1627.8	0.83	-1.73	-19.26
13	26	26551.5	13801.5	-2338.5	0.68	5.23	30.85
	133	-10301.5	-13801.5	2338.5	-0.68	4.13	24.36
14	26	27145.6	-10576.5	1933.6	-0.62	-4.99	-23.85
	133	-10895.6	10576.5	-1933.6	0.62	-2.75	-18.45
15	26	22829.3	11735.4	-1089.1	0.79	3.32	25.74
	133	-6579.3	-11735.4	2121.8	-0.79	3.10	21.20
16	26	23423.4	-12642.6	3183.0	-0.52	-6.89	-28.97
	133	-7173.4	12642.6	-2150.2	0.52	-3.77	-21.60
17	26	27356.8	10972.3	-2301.5	0.59	5.01	23.55
	133	-11106.8	-10972.3	2301.5	-0.59	4.20	20.34
18	26	27950.9	-13405.7	1970.6	-0.71	-5.20	-31.15
	133	-11700.9	13405.7	-1970.6	0.71	-2.68	-22.47
19	26	30244.9	20856.8	-4305.5	0.97	9.44	46.14
	133	-13994.9	-20856.8	3933.7	-0.97	7.04	37.29
20	26	31235.1	-19773.2	2814.6	-1.20	-7.58	-45.03
	133	-14985.1	19773.2	-3186.4	1.20	-4.42	-34.06
21	26	26575.5	21326.1	-3750.2	1.10	8.57	47.53
	133	-10325.6	-21326.1	3750.2	-1.10	6.43	37.77
22	26	27565.7	-19303.9	3369.9	-1.07	-8.45	-43.64
	133	-11315.8	19303.9	-3369.9	1.07	-5.03	-33.57
23	26	24342.2	20086.4	-3000.6	1.16	7.43	44.46
	133	-8092.2	-20086.4	3620.2	-1.16	5.81	35.88
24	26	25332.4	-20543.5	4119.5	-1.01	-9.59	-46.71
	133	-9082.4	20543.5	-3499.9	1.01	-5.64	-35.46
25	26	27058.7	19628.6	-3728.0	1.04	8.44	43.15
	133	-10808.7	-19628.6	3728.0	-1.04	6.47	35.36
26	26	28048.9	-21001.4	3392.1	-1.13	-8.58	-48.02
	133	-11798.9	21001.4	-3392.1	1.13	-4.99	-35.98

27	26	22432.1	-5497.3	1321.8	0.40	-4.27	-14.57
	133	-9932.1	5497.3	-1321.8	-0.40	-1.42	-7.42
28	26	20735.5	-724.4	1773.8	0.23	-5.72	-2.46
	133	-8235.5	724.4	-1773.8	-0.23	-0.98	-0.44
29	26	25249.2	-8735.1	-441.1	0.36	1.01	-22.77
	133	-12749.2	8735.1	441.1	-0.36	-0.57	-12.17
30	26	23139.6	1217.4	-746.7	-0.12	1.67	2.48
	133	-10639.6	-1217.4	746.7	0.12	1.32	2.39
31	26	24825.7	1161.6	-2208.3	-0.27	5.99	2.35
	133	-12325.7	-1161.6	2208.3	0.27	2.45	2.30
32	26	23129.1	5934.5	-1756.2	-0.44	4.54	14.46
	133	-10629.1	-5934.5	1756.2	0.44	2.89	9.28
33	26	19593.9	7174.6	1065.7	-0.20	-3.82	17.59
	133	-7093.9	-7174.6	-1065.7	0.20	0.88	11.11
34	26	20312.0	9172.3	6.7	-0.40	-0.74	22.66
	133	-7812.0	-9172.3	-6.7	0.40	2.04	14.03
35	26	20594.8	85.1	-122.3	-0.01	-0.02	-0.27
	133	-8094.8	-85.1	122.3	0.01	0.51	0.61
36	26	20633.1	240.1	-409.9	-0.07	0.47	0.15
	133	-8133.1	-240.1	162.0	0.07	0.67	0.81
37	26	18186.9	553.0	-39.7	0.02	-0.11	1.07
	133	-5686.9	-553.0	39.7	-0.02	0.27	1.14
38	26	16698.0	-273.4	460.1	0.06	-0.87	-0.97
	133	-4198.0	273.4	-47.0	-0.06	-0.14	-0.12
39	26	18509.0	-578.7	-24.9	-0.02	-0.20	-1.85
	133	-6009.0	578.7	24.9	0.02	0.30	-0.47
40	26	18210.9	8077.6	-1451.4	0.43	3.24	17.76
	133	-5710.9	-8077.6	1451.4	-0.43	2.57	14.56
41	26	18607.0	-8174.4	1396.6	-0.44	-3.57	-18.71
	133	-6107.0	8174.4	-1396.6	0.44	-2.01	-13.98
42	26	22780.6	218.6	-217.2	-0.02	0.13	-0.06
	133	-10280.6	-218.6	217.2	0.02	0.73	0.93
43	26	22411.1	-5684.0	1378.4	0.40	-4.44	-15.04
	133	-9911.1	5684.0	-1378.4	-0.40	-1.49	-7.69
44	26	20631.2	-703.6	1852.3	0.24	-5.96	-2.41
	133	-8131.2	703.6	-1852.3	-0.24	-1.05	-0.41
45	26	25369.1	-9105.9	-457.4	0.35	1.08	-23.72
	133	-12869.1	9105.9	457.4	-0.35	-0.61	-12.71
46	26	26124.8	-7058.5	-1556.9	0.15	4.28	-18.51
	133	-13624.8	7058.5	1556.9	-0.15	0.59	-9.72
47	26	24930.0	1140.7	-2286.8	-0.28	6.23	2.30
	133	-12430.0	-1140.7	2286.8	0.28	2.52	2.27
48	26	23150.1	6121.2	-1812.8	-0.45	4.70	14.93
	133	-10650.1	-6121.2	1812.8	0.45	2.96	9.55
49	26	19436.4	7495.6	1122.5	-0.19	-4.01	18.40
	133	-6936.4	-7495.6	-1122.5	0.19	0.88	11.58
50	26	20192.1	9543.1	22.9	-0.40	-0.81	23.61
	133	-7692.1	-9543.1	-22.9	0.40	2.08	14.57
51	26	18118.7	-4838.3	1269.1	0.35	-3.88	-12.64
	133	-5618.7	4838.3	-1269.1	-0.35	-1.53	-6.71
52	26	16690.3	-825.2	1649.2	0.21	-5.10	-2.46
	133	-4190.3	825.2	-1649.2	-0.21	-1.17	-0.84
53	26	20488.4	-7572.0	-214.9	0.30	0.57	-19.57
	133	-7988.4	7572.0	214.9	-0.30	-0.82	-10.72
54	26	21091.1	-5902.0	-1106.9	0.14	3.16	-15.33
	133	-8591.1	5902.0	1106.9	-0.14	0.16	-8.28
55	26	20127.7	728.3	-1704.1	-0.22	4.76	1.50
	133	-7627.7	-728.3	1704.1	0.22	1.73	1.41
56	26	18699.2	4741.5	-1324.0	-0.35	3.54	11.68

	133	-6199.2	-4741.5	1324.0	0.35	2.09	7.28
57	26	15726.8	5805.2	1052.1	-0.14	-3.50	14.37
	133	-3226.8	-5805.2	-1052.1	0.14	0.40	8.85
58	26	16329.5	7475.2	160.1	-0.31	-0.90	18.61
	133	-3829.5	-7475.2	-160.1	0.31	1.37	11.29
1	27	7979.2	-1608.6	30.6	-0.02	-0.54	-2.30
	70	-3770.5	1608.6	-30.6	0.02	0.51	0.63
2	27	14497.7	-1235.8	-352.3	-0.11	-1.37	-3.63
	70	-10288.9	1235.8	352.3	0.11	1.73	2.35
3	27	19080.9	-11572.5	1719.6	-0.43	-4.98	-16.01
	70	-14872.1	11572.5	-1815.9	0.43	3.15	4.02
4	27	15631.1	-11342.2	1820.8	-0.39	-4.35	-15.07
	70	-11422.3	11342.2	-1820.8	0.39	2.47	3.32
5	27	13013.1	-12602.7	1734.4	-0.43	-3.65	-15.30
	70	-8804.3	12602.7	-1573.9	0.43	1.94	2.24
6	27	15533.9	-12826.0	1849.7	-0.46	-4.35	-16.03
	70	-11325.2	12826.0	-1849.7	0.46	2.43	2.74
7	27	16773.2	10260.7	-2650.1	0.18	0.97	7.93
	70	-12564.4	-10260.7	2553.8	-0.18	1.73	2.70
8	27	13323.4	10491.0	-2548.8	0.23	1.60	8.87
	70	-9114.6	-10491.0	2548.8	-0.23	1.04	1.99
9	27	10705.4	9230.5	-2635.2	0.19	2.30	8.64
	70	-6496.6	-9230.5	2795.7	-0.19	0.52	0.92
10	27	13226.2	9007.2	-2519.9	0.16	1.60	7.91
	70	-9017.5	-9007.2	2519.9	-0.16	1.01	1.42
11	27	18107.9	-11372.4	1835.7	-0.39	-4.99	-15.62
	70	-13899.1	11372.4	-1996.2	0.39	3.01	3.83
12	27	15800.2	10460.8	-2533.9	0.22	0.95	8.32
	70	-11591.4	-10460.8	2373.4	-0.22	1.59	2.51
13	27	12358.2	-10988.5	2004.5	-0.32	-3.95	-14.04
	70	-8149.5	10988.5	-2004.5	0.32	1.87	2.66
14	27	10050.5	10844.8	-2365.2	0.29	2.00	9.90
	70	-5841.8	-10844.8	2365.2	-0.29	0.45	1.34
15	27	7994.8	-13089.4	1860.5	-0.39	-2.78	-14.43
	70	-3786.1	13089.4	-1593.0	0.39	0.99	0.87
16	27	5687.2	8743.8	-2509.2	0.23	3.17	9.51
	70	-1478.4	-8743.8	2776.7	-0.23	-0.43	-0.45
17	27	12196.3	-13461.5	2052.6	-0.44	-3.94	-15.65
	70	-7987.5	13461.5	-2052.6	0.44	1.81	1.71
18	27	9888.6	8371.7	-2317.0	0.18	2.01	8.29
	70	-5679.8	-8371.7	2317.0	-0.18	0.39	0.39
19	27	16590.9	-19036.7	3367.6	-0.59	-6.55	-23.32
	70	-12382.1	19036.7	-3463.9	0.59	3.01	3.60
20	27	12744.7	17352.0	-3915.2	0.43	3.36	16.58
	70	-8536.0	-17352.0	3818.9	-0.43	0.64	1.40
21	27	13141.1	-18806.4	3468.8	-0.55	-5.92	-22.38
	70	-8932.3	18806.4	-3468.8	0.55	2.33	2.90
22	27	9294.9	17582.4	-3813.9	0.48	3.99	17.52
	70	-5086.2	-17582.4	3813.9	-0.48	-0.04	0.70
23	27	10523.1	-20066.9	3382.4	-0.59	-5.22	-22.61
	70	-6314.3	20066.9	-3221.9	0.59	1.80	1.82
24	27	6676.9	16321.8	-3900.3	0.44	4.69	17.29
	70	-2468.2	-16321.8	4060.8	-0.44	-0.57	-0.38
25	27	13043.9	-20290.2	3497.7	-0.62	-5.92	-23.35
	70	-8835.2	20290.2	-3497.7	0.62	2.29	2.33
26	27	9197.8	16098.6	-3785.0	0.41	4.00	16.55
	70	-4989.0	-16098.6	3785.0	-0.41	-0.08	0.12
27	27	9524.4	-4992.6	-36.4	-0.03	0.45	-4.91

	70	-6286.9	4992.6	36.4	0.03	0.22	-0.27
28	27	9250.4	-1742.6	1088.3	0.10	-0.38	-3.01
	70	-6012.9	1742.6	-1088.3	-0.10	-0.22	1.20
29	27	10508.9	-7103.3	-1874.7	-0.26	0.72	-6.17
	70	-7271.4	7103.3	1874.7	0.26	1.57	-1.19
30	27	10622.0	-245.8	-451.2	-0.11	-1.25	-2.20
	70	-7384.5	245.8	451.2	0.11	1.54	1.94
31	27	11423.8	-189.9	-1539.6	-0.25	-1.53	-2.20
	70	-8186.3	189.9	1539.6	0.25	2.60	2.01
32	27	11149.8	3060.1	-414.9	-0.12	-2.35	-0.30
	70	-7912.3	-3060.1	414.9	0.12	2.16	3.48
33	27	9595.4	3730.0	1874.3	0.18	-2.04	0.15
	70	-6357.9	-3730.0	-1874.3	-0.18	0.09	3.71
34	27	10165.3	5170.8	1423.3	0.11	-2.63	0.97
	70	-6927.8	-5170.8	-1423.3	-0.11	0.81	4.40
35	27	8164.3	-1090.5	-98.0	-0.04	-0.68	-2.16
	70	-4926.8	1090.5	98.0	0.04	0.78	1.03
36	27	8277.7	-828.2	-45.7	-0.02	-0.83	-1.99
	70	-5040.2	828.2	-18.5	0.02	0.84	1.13
37	27	5977.8	-674.7	21.8	0.01	-0.41	-1.36
	70	-2740.3	674.7	-21.8	-0.01	0.39	0.66
38	27	4232.5	-1515.0	-35.8	-0.02	0.05	-1.52
	70	-995.0	1515.0	142.8	0.02	0.04	-0.05
39	27	5913.0	-1663.9	41.1	-0.04	-0.41	-2.00
	70	-2675.5	1663.9	-41.1	0.04	0.37	0.28
40	27	6760.7	-8492.5	1486.1	-0.22	-2.39	-9.70
	70	-3523.2	8492.5	-1486.1	0.22	0.85	0.90
41	27	5222.2	6063.0	-1427.0	0.19	1.58	6.26
	70	-1984.7	-6063.0	1427.0	-0.19	-0.10	0.02
42	27	10337.1	-966.2	-225.7	-0.07	-0.95	-2.60
	70	-7099.6	966.2	225.7	0.07	1.19	1.60
43	27	9494.5	-5130.9	-30.8	-0.03	0.48	-4.99
	70	-6257.0	5130.9	30.8	0.03	0.18	-0.33
44	27	9206.4	-1734.9	1143.8	0.11	-0.38	-3.00
	70	-5968.9	1734.9	-1143.8	-0.11	-0.29	1.20
45	27	10521.3	-7366.2	-1948.7	-0.27	0.77	-6.33
	70	-7283.8	7366.2	1948.7	0.27	1.59	-1.31
46	27	11113.3	-5886.2	-2418.0	-0.34	0.17	-5.49
	70	-7875.8	5886.2	2418.0	0.34	2.34	-0.61
47	27	11467.8	-197.5	-1595.2	-0.26	-1.53	-2.20
	70	-8230.3	197.5	1595.2	0.26	2.66	2.00
48	27	11179.7	3198.4	-420.6	-0.12	-2.39	-0.22
	70	-7942.2	-3198.4	420.6	0.12	2.19	3.54
49	27	9560.9	3953.7	1966.7	0.19	-2.08	0.29
	70	-6323.4	-3953.7	-1966.7	-0.19	0.04	3.81
50	27	10152.8	5433.7	1497.3	0.12	-2.68	1.12
	70	-6915.3	-5433.7	-1497.3	-0.12	0.78	4.51
51	27	5307.0	-4599.8	182.1	0.02	0.77	-3.65
	70	-2069.5	4599.8	-182.1	-0.02	-0.44	-1.12
52	27	5076.7	-1862.2	1125.5	0.13	0.07	-2.05
	70	-1839.2	1862.2	-1125.5	-0.13	-0.82	0.12
53	27	6135.4	-6382.4	-1355.5	-0.17	1.00	-4.72
	70	-2897.9	6382.4	1355.5	0.17	0.69	-1.89
54	27	6615.2	-5172.7	-1730.0	-0.23	0.50	-4.04
	70	-3377.7	5172.7	1730.0	0.23	1.29	-1.32
55	27	6906.2	-567.4	-1066.4	-0.16	-0.88	-1.38
	70	-3668.7	567.4	1066.4	0.16	1.56	0.80
56	27	6675.9	2170.2	-123.0	-0.05	-1.57	0.22
	70	-3438.4	-2170.2	123.0	0.05	1.19	2.03

57	27	5367.7	2743.1	1789.2	0.20	-1.31	0.61
	70	-2130.2	-2743.1	-1789.2	-0.20	-0.55	2.23
58	27	5847.5	3952.8	1414.6	0.14	-1.80	1.29
	70	-2610.0	-3952.8	-1414.6	-0.14	0.05	2.81
1	9	56517.2	637.4	-1206.5	0.00	1.29	1.20
	48	-43517.2	-637.4	1206.5	-0.00	2.57	0.83
2	9	79023.0	862.0	-1880.6	0.01	1.99	1.59
	48	-66023.0	-862.0	1880.6	-0.01	4.03	1.17
3	9	88183.9	4575.6	-8881.1	-0.22	19.14	9.63
	48	-75183.9	-4575.6	8881.1	0.22	9.28	5.01
4	9	88929.2	4731.0	-9514.1	0.03	19.30	10.27
	48	-75929.2	-4731.0	9514.1	-0.03	11.14	4.87
5	9	80005.5	4001.9	-7874.4	0.04	16.06	8.72
	48	-67005.5	-4001.9	7874.4	-0.04	9.14	4.09
6	9	79645.5	3805.0	-7542.7	-0.17	16.31	8.05
	48	-66645.5	-3805.0	7542.7	0.17	7.83	4.12
7	9	79254.4	-2201.9	4077.6	-0.05	-11.90	-5.41
	48	-66254.4	2201.9	-4077.6	0.05	-1.14	-1.64
8	9	79999.7	-2046.5	3444.6	0.20	-11.73	-4.78
	48	-66999.7	2046.5	-3444.6	-0.20	0.71	-1.77
9	9	71076.0	-2775.6	5084.3	0.21	-14.98	-6.33
	48	-58076.0	2775.6	-5084.3	-0.21	-1.29	-2.56
10	9	70716.0	-2972.5	5416.0	-0.01	-14.73	-6.99
	48	-57716.0	2972.5	-5416.0	0.01	-2.60	-2.52
11	9	80061.8	4679.9	-8891.6	-0.32	19.87	9.78
	48	-67061.8	-4679.9	8891.6	0.32	8.58	5.19
12	9	71132.3	-2097.6	4067.1	-0.15	-11.17	-5.26
	48	-58132.3	2097.6	-4067.1	0.15	-1.85	-1.45
13	9	81303.9	4938.9	-9946.5	0.11	20.15	10.84
	48	-68303.9	-4938.9	9946.5	-0.11	11.68	4.96
14	9	72374.4	-1838.6	3012.2	0.27	-10.88	-4.20
	48	-59374.4	1838.6	-3012.2	-0.27	1.25	-1.68
15	9	66431.1	3723.7	-7213.6	0.11	14.74	8.26
	48	-53431.1	-3723.7	7213.6	-0.11	8.34	3.66
16	9	57501.6	-3053.9	5745.1	0.28	-16.30	-6.78
	48	-44501.6	3053.9	-5745.1	-0.28	-2.08	-2.99
17	9	65831.2	3395.5	-6660.8	-0.24	15.16	7.15
	48	-52831.2	-3395.5	6660.8	0.24	6.16	3.71
18	9	56901.7	-3382.0	6297.9	-0.08	-15.88	-7.89
	48	-43901.7	3382.0	-6297.9	0.08	-4.27	-2.93
19	9	79907.5	6722.5	-12863.7	-0.28	29.13	14.45
	48	-66907.5	-6722.5	12863.7	0.28	12.03	7.06
20	9	65025.0	-4573.4	8734.2	0.00	-22.60	-10.62
	48	-52025.0	4573.4	-8734.2	-0.00	-5.35	-4.02
21	9	80652.8	6877.9	-13496.6	-0.02	29.30	15.09
	48	-67652.8	-6877.9	13496.6	0.02	13.89	6.92
22	9	65770.3	-4417.9	8101.2	0.26	-22.43	-9.98
	48	-52770.3	4417.9	-8101.2	-0.26	-3.50	-4.15
23	9	71729.1	6148.7	-11856.9	-0.02	26.05	13.54
	48	-58729.1	-6148.7	11856.9	0.02	11.89	6.14
24	9	56846.6	-5147.1	9740.9	0.26	-25.68	-11.53
	48	-43846.6	5147.1	-9740.9	-0.26	-5.49	-4.94
25	9	71369.1	5951.8	-11525.2	-0.23	26.31	12.87
	48	-58369.1	-5951.8	11525.2	0.23	10.58	6.17
26	9	56486.6	-5344.0	10072.6	0.05	-25.43	-12.20
	48	-43486.6	5344.0	-10072.6	-0.05	-6.81	-4.90
27	9	54255.2	-2757.9	7613.1	0.43	-19.70	1.82
	48	-44255.2	2757.9	-7613.1	-0.43	-6.67	-2.76

28	9	56326.0	270.5	10490.2	0.19	-26.98	8.44
	48	-46326.0	-270.5	-10490.2	-0.19	-4.61	0.32
29	9	53647.9	-4981.7	-3034.6	0.49	6.14	-8.68
	48	-43647.9	4981.7	3034.6	-0.49	-3.07	-4.90
30	9	58649.4	1187.9	-4488.9	-0.08	8.86	-0.05
	48	-48649.4	-1187.9	4488.9	0.08	5.51	1.48
31	9	59422.7	983.0	-13218.5	-0.17	29.84	-6.14
	48	-49422.7	-983.0	13218.5	0.17	10.49	1.40
32	9	61493.4	4011.3	-10341.4	-0.41	22.56	0.47
	48	-51493.4	-4011.3	10341.4	0.41	12.54	4.48
33	9	60550.5	5112.9	6555.7	-0.30	-18.14	13.36
	48	-50550.5	-5112.9	-6555.7	0.30	3.79	5.37
34	9	62100.7	6235.2	306.2	-0.48	-3.28	10.97
	48	-52100.7	-6235.2	-306.2	0.48	8.94	6.62
35	9	50372.4	551.9	-1139.5	0.01	1.20	1.02
	48	-40372.4	-551.9	1139.5	-0.01	2.45	0.75
36	9	46001.3	693.6	-1262.3	-0.09	2.05	1.23
	48	-36001.2	-693.6	1262.3	0.09	1.99	0.99
37	9	46498.1	797.2	-1684.2	0.08	2.16	1.66
	48	-36498.1	-797.2	1684.2	-0.08	3.23	0.89
38	9	40549.0	311.1	-591.1	0.08	-0.00	0.62
	48	-30549.0	-311.1	591.1	-0.08	1.90	0.37
39	9	40309.0	179.8	-370.0	-0.06	0.16	0.18
	48	-30309.0	-179.8	370.0	0.06	1.02	0.39
40	9	45847.0	2736.2	-5234.4	-0.05	11.31	5.90
	48	-35847.0	-2736.2	5234.4	0.05	5.44	2.85
41	9	39894.0	-1782.2	3404.8	0.06	-9.38	-4.13
	48	-29893.9	1782.2	-3404.8	-0.06	-1.51	-1.58
42	9	57874.3	626.7	-1364.2	0.01	1.43	1.15
	48	-47874.3	-626.7	1364.2	-0.01	2.94	0.86
43	9	54152.7	-2900.2	7946.3	0.43	-20.48	1.83
	48	-44152.7	2900.2	-7946.3	-0.43	-7.02	-2.90
44	9	56298.8	270.4	10962.2	0.19	-28.14	8.76
	48	-46298.8	-270.4	-10962.2	-0.19	-4.89	0.32
45	9	53502.8	-5240.1	-3145.0	0.49	6.47	-9.16
	48	-43502.8	5240.1	3145.0	-0.49	-3.28	-5.15
46	9	55091.9	-4075.1	-9636.0	0.31	21.91	-11.65
	48	-45091.9	4075.1	9636.0	-0.31	2.06	-3.86
47	9	59449.8	983.1	-13690.5	-0.18	31.00	-6.47
	48	-49449.8	-983.1	13690.5	0.18	10.77	1.40
48	9	61596.0	4153.7	-10674.7	-0.41	23.34	0.46
	48	-51596.0	-4153.7	10674.7	0.41	12.89	4.62
49	9	60656.7	5328.6	6907.7	-0.29	-19.05	13.94
	48	-50656.7	-5328.6	-6907.7	0.29	3.81	5.58
50	9	62245.9	6493.6	416.7	-0.47	-3.61	11.45
	48	-52245.9	-6493.6	-416.7	0.47	9.15	6.87
51	9	39829.7	-2372.4	6649.2	0.35	-16.83	1.45
	48	-29829.7	2372.4	-6649.2	-0.35	-6.12	-2.41
52	9	41568.2	179.8	9063.4	0.16	-22.95	7.03
	48	-31568.2	-179.8	-9063.4	-0.16	-4.40	0.19
53	9	39321.5	-4248.7	-2307.2	0.40	4.91	-7.40
	48	-29321.5	4248.7	2307.2	-0.40	-3.06	-4.21
54	9	40624.4	-3304.7	-7569.9	0.25	17.42	-9.41
	48	-30624.4	3304.7	7569.9	-0.25	1.27	-3.16
55	9	44172.7	774.1	-10893.0	-0.15	24.88	-5.25
	48	-34172.7	-774.1	10893.0	0.15	8.33	1.09
56	9	45911.3	3326.4	-8478.7	-0.34	18.76	0.32
	48	-35911.3	-3326.4	8478.7	0.34	10.04	3.69
57	9	45116.5	4258.7	5740.3	-0.24	-15.49	11.19

	48	-35116.5	-4258.7	-5740.3	0.24	2.66	4.44
58	9	46419.4	5202.7	477.6	-0.39	-2.98	9.17
	48	-36419.4	-5202.7	-477.6	0.39	6.99	5.49
1	48	43517.2	637.4	-1206.5	0.00	-2.57	-0.83
	106	-39178.4	-637.4	1206.5	-0.00	3.85	1.52
2	48	66023.0	862.0	-1880.6	0.01	-4.03	-1.17
	106	-61684.2	-862.0	1880.6	-0.01	6.04	2.09
3	48	75183.9	4575.6	-8881.1	-0.22	-9.28	-5.01
	106	-70845.2	-4575.6	8881.1	0.22	18.77	9.90
4	48	75929.2	4731.0	-9514.1	0.03	-11.14	-4.87
	106	-71590.4	-4731.0	9514.1	-0.03	21.30	9.93
5	48	67005.5	4001.9	-7874.4	0.04	-9.14	-4.09
	106	-62666.7	-4001.9	7874.4	-0.04	17.55	8.36
6	48	66645.5	3805.0	-7542.7	-0.17	-7.83	-4.12
	106	-62306.8	-3805.0	7542.7	0.17	15.88	8.19
7	48	66254.4	-2201.9	4077.6	-0.05	1.14	1.64
	106	-61915.6	2201.9	-4077.6	0.05	-5.50	-3.99
8	48	66999.7	-2046.5	3444.6	0.20	-0.71	1.77
	106	-62660.9	2046.5	-3444.6	-0.20	-2.97	-3.96
9	48	58076.0	-2775.6	5084.3	0.21	1.29	2.56
	106	-53737.2	2775.6	-5084.3	-0.21	-6.72	-5.52
10	48	57716.0	-2972.5	5416.0	-0.01	2.60	2.52
	106	-53377.3	2972.5	-5416.0	0.01	-8.38	-5.70
11	48	67061.8	4679.9	-8891.6	-0.32	-8.58	-5.19
	106	-62723.1	-4679.9	8891.6	0.32	18.08	10.19
12	48	58132.3	-2097.6	4067.1	-0.15	1.85	1.45
	106	-53793.5	2097.6	-4067.1	0.15	-6.19	-3.69
13	48	68303.9	4938.9	-9946.5	0.11	-11.68	-4.96
	106	-63965.2	-4938.9	9946.5	-0.11	22.30	10.24
14	48	59374.4	-1838.6	3012.2	0.27	-1.25	1.68
	106	-55035.7	1838.6	-3012.2	-0.27	-1.97	-3.65
15	48	53431.1	3723.7	-7213.6	0.11	-8.34	-3.66
	106	-49092.4	-3723.7	7213.6	-0.11	16.05	7.63
16	48	44501.6	-3053.9	5745.1	0.28	2.08	2.99
	106	-40162.8	3053.9	-5745.1	-0.28	-8.22	-6.25
17	48	52831.2	3395.5	-6660.8	-0.24	-6.16	-3.71
	106	-48492.4	-3395.5	6660.8	0.24	13.27	7.34
18	48	43901.7	-3382.0	6297.9	-0.08	4.27	2.93
	106	-39562.9	3382.0	-6297.9	0.08	-11.00	-6.55
19	48	66907.5	6722.5	-12863.7	-0.28	-12.03	-7.06
	106	-62568.8	-6722.5	12863.7	0.28	25.77	14.24
20	48	52025.0	-4573.4	8734.2	0.00	5.35	4.02
	106	-47686.2	4573.4	-8734.2	-0.00	-14.68	-8.90
21	48	67652.8	6877.9	-13496.6	-0.02	-13.89	-6.92
	106	-63314.0	-6877.9	13496.6	0.02	28.30	14.27
22	48	52770.3	-4417.9	8101.2	0.26	3.50	4.15
	106	-48431.5	4417.9	-8101.2	-0.26	-12.15	-8.87
23	48	58729.1	6148.7	-11856.9	-0.02	-11.89	-6.14
	106	-54390.3	-6148.7	11856.9	0.02	24.55	12.71
24	48	43846.6	-5147.1	9740.9	0.26	5.49	4.94
	106	-39507.8	5147.1	-9740.9	-0.26	-15.90	-10.43
25	48	58369.1	5951.8	-11525.2	-0.23	-10.58	-6.17
	106	-54030.4	-5951.8	11525.2	0.23	22.88	12.53
26	48	43486.6	-5344.0	10072.6	0.05	6.81	4.90
	106	-39147.9	5344.0	-10072.6	-0.05	-17.56	-10.61
27	48	44266.5	-1699.8	6424.9	0.43	6.67	2.76
	106	-40929.0	1699.8	-6424.9	-0.43	-11.50	-4.56
28	48	46330.0	372.8	8914.4	0.19	4.61	-0.32

	106	-42992.5	-372.8	-8914.4	-0.19	-16.15	0.73
29	48	43662.3	-3214.6	-2803.2	0.49	3.07	4.90
	106	-40324.8	3214.6	2803.2	-0.49	6.68	-8.32
30	48	48647.1	1013.8	-4074.3	-0.08	-5.51	-1.48
	106	-45309.6	-1013.8	4074.3	0.08	9.86	2.56
31	48	49418.6	880.7	-11642.7	-0.17	-10.49	-1.40
	106	-46081.1	-880.7	11642.7	0.17	24.94	2.33
32	48	51482.1	2953.2	-9153.2	-0.41	-12.54	-4.48
	106	-48144.6	-2953.2	9153.2	0.41	20.29	7.62
33	48	50540.7	3694.0	5495.1	-0.30	-3.79	-5.37
	106	-47203.2	-3694.0	-5495.1	0.30	-8.83	9.32
34	48	52086.3	4468.1	74.9	-0.48	-8.94	-6.62
	106	-48748.8	-4468.1	-74.9	0.48	2.10	11.38
35	48	40372.4	551.9	-1139.5	0.01	-2.45	-0.75
	106	-37034.9	-551.9	1139.5	-0.01	3.67	1.34
36	48	36001.2	693.6	-1262.3	-0.09	-1.99	-0.99
	106	-32663.7	-693.6	1262.3	0.09	3.34	1.73
37	48	36498.1	797.2	-1684.2	0.08	-3.23	-0.89
	106	-33160.6	-797.2	1684.2	-0.08	5.03	1.75
38	48	30549.0	311.1	-591.1	0.08	-1.90	-0.37
	106	-27211.5	-311.1	591.1	-0.08	2.53	0.70
39	48	30309.0	179.8	-370.0	-0.06	-1.02	-0.39
	106	-26971.5	-179.8	370.0	0.06	1.42	0.59
40	48	35847.0	2736.2	-5234.4	-0.05	-5.44	-2.85
	106	-32509.5	-2736.2	5234.4	0.05	11.03	5.78
41	48	29893.9	-1782.2	3404.8	0.06	1.51	1.58
	106	-26556.4	1782.2	-3404.8	-0.06	-5.15	-3.48
42	48	47874.3	626.7	-1364.2	0.01	-2.94	-0.86
	106	-44536.8	-626.7	1364.2	-0.01	4.39	1.53
43	48	44164.2	-1796.5	6712.4	0.43	7.02	2.90
	106	-40826.7	1796.5	-6712.4	-0.43	-12.09	-4.80
44	48	46303.0	372.7	9325.7	0.19	4.89	-0.32
	106	-42965.5	-372.7	-9325.7	-0.19	-16.94	0.74
45	48	43517.6	-3390.2	-2904.7	0.49	3.28	5.15
	106	-40180.1	3390.2	2904.7	-0.49	6.81	-8.77
46	48	45102.0	-2587.0	-8534.7	0.31	-2.06	3.86
	106	-41764.5	2587.0	8534.7	-0.31	18.16	-6.63
47	48	49445.7	880.8	-12054.0	-0.18	-10.77	-1.40
	106	-46108.2	-880.8	12054.0	0.18	25.73	2.32
48	48	51584.4	3050.0	-9440.7	-0.41	-12.89	-4.62
	106	-48246.9	-3050.0	9440.7	0.41	20.87	7.86
49	48	50646.6	3840.5	5806.3	-0.29	-3.81	-5.58
	106	-47309.1	-3840.5	-5806.3	0.29	-9.37	9.69
50	48	52231.1	4643.7	176.4	-0.47	-9.15	-6.87
	106	-48893.6	-4643.7	-176.4	0.47	1.97	11.82
51	48	29839.1	-1482.1	5646.8	0.35	6.12	2.41
	106	-26501.6	1482.1	-5646.8	-0.35	-10.45	-3.98
52	48	31571.6	264.3	7738.4	0.16	4.40	-0.19
	106	-28234.1	-264.3	-7738.4	-0.16	-14.35	0.48
53	48	29333.5	-2759.4	-2118.6	0.40	3.06	4.21
	106	-25996.0	2759.4	2118.6	-0.40	4.83	-7.15
54	48	30632.5	-2107.9	-6683.0	0.25	-1.27	3.16
	106	-27295.0	2107.9	6683.0	-0.25	14.04	-5.41
55	48	34169.3	689.7	-9568.0	-0.15	-8.33	-1.09
	106	-30831.8	-689.7	9568.0	0.15	20.23	1.81
56	48	35901.8	2436.1	-7476.3	-0.34	-10.04	-3.69
	106	-32564.3	-2436.1	7476.3	0.34	16.33	6.27
57	48	35108.4	3061.9	4853.4	-0.24	-2.66	-4.44
	106	-31770.9	-3061.9	-4853.4	0.24	-8.16	7.71

58	48	36407.4	3713.4	289.0	-0.39	-6.99	-5.49
	106	-33069.9	-3713.4	-289.0	0.39	1.05	9.45
1	1	51236.0	960.4	134.0	-0.11	0.02	2.04
	95	-33897.3	-960.4	-134.0	0.11	-0.59	2.06
2	1	70982.7	977.5	242.2	-0.15	-0.13	2.18
	95	-53643.9	-977.5	-242.2	0.15	-0.91	2.00
3	1	63970.0	9717.0	-1152.2	-0.68	2.80	23.36
	95	-46631.2	-9717.0	1152.2	0.68	2.12	18.12
4	1	75018.6	12029.2	-927.6	-0.49	2.34	28.85
	95	-57679.8	-12029.2	927.6	0.49	1.62	22.50
5	1	64857.8	10307.0	-503.8	-0.57	1.41	24.62
	95	-47519.0	-10307.0	503.8	0.57	0.74	19.37
6	1	56509.7	8240.9	-744.3	-0.71	1.90	19.68
	95	-39171.0	-8240.9	744.3	0.71	1.27	15.49
7	1	77002.0	-8425.6	943.3	0.26	-1.56	-20.42
	95	-59663.2	8425.6	-943.3	-0.26	-2.47	-15.54
8	1	88050.6	-6113.4	1168.0	0.45	-2.02	-14.93
	95	-70711.9	6113.4	-1168.0	-0.45	-2.96	-11.16
9	1	77889.8	-7835.6	1591.7	0.37	-2.95	-19.16
	95	-60551.0	7835.6	-1591.7	-0.37	-3.84	-14.28
10	1	69541.7	-9901.8	1351.3	0.23	-2.45	-24.10
	95	-52203.0	9901.8	-1351.3	-0.23	-3.31	-18.16
11	1	53765.5	9487.3	-1437.4	-0.70	3.37	22.82
	95	-36426.8	-9487.3	1437.4	0.70	2.77	17.68
12	1	66797.5	-8655.3	658.1	0.24	-0.99	-20.96
	95	-49458.8	8655.3	-658.1	-0.24	-1.82	-15.98
13	1	72179.9	13340.9	-1063.0	-0.39	2.60	31.96
	95	-54841.1	-13340.9	1063.0	0.39	1.94	24.97
14	1	85211.9	-4801.7	1032.6	0.56	-1.76	-11.81
	95	-67873.1	4801.7	-1032.6	-0.56	-2.65	-8.68
15	1	55245.2	10470.6	-356.8	-0.52	1.04	24.92
	95	-37906.5	-10470.6	356.8	0.52	0.48	19.77
16	1	68277.2	-7672.0	1738.8	0.42	-3.31	-18.85
	95	-50938.5	7672.0	-1738.8	-0.42	-4.11	-13.89
17	1	41331.8	7027.0	-757.5	-0.75	1.87	16.69
	95	-23993.0	-7027.0	757.5	0.75	1.36	13.31
18	1	54363.8	-11115.6	1338.1	0.19	-2.48	-27.09
	95	-37025.0	11115.6	-1338.1	-0.19	-3.23	-20.35
19	1	49752.7	15756.0	-1904.9	-0.98	4.32	37.88
	95	-32413.9	-15756.0	1904.9	0.98	3.81	29.37
20	1	71472.7	-14481.7	1587.8	0.60	-2.94	-35.08
	95	-54133.9	14481.7	-1587.8	-0.60	-3.83	-26.73
21	1	60801.3	18068.2	-1680.2	-0.79	3.86	43.37
	95	-43462.5	-18068.2	1680.2	0.79	3.31	33.74
22	1	82521.3	-12169.5	1812.4	0.79	-3.40	-29.59
	95	-65182.5	12169.5	-1812.4	-0.79	-4.33	-22.35
23	1	50640.5	16346.0	-1256.5	-0.87	2.93	39.15
	95	-33301.7	-16346.0	1256.5	0.87	2.43	30.62
24	1	72360.5	-13891.7	2236.2	0.71	-4.33	-33.82
	95	-55021.7	13891.7	-2236.2	-0.71	-5.21	-25.47
25	1	42292.4	14279.8	-1496.9	-1.01	3.43	34.20
	95	-24953.7	-14279.8	1496.9	1.01	2.96	26.74
26	1	64012.4	-15957.8	1995.7	0.57	-3.84	-38.76
	95	-46673.7	15957.8	-1995.7	-0.57	-4.68	-29.35
27	1	53125.2	1150.2	3864.0	0.35	-8.01	2.60
	95	-39787.7	-1150.2	-3864.0	-0.35	-8.48	2.31
28	1	54085.9	6675.9	5220.9	-0.01	-10.89	15.83
	95	-40748.4	-6675.9	-5220.9	0.01	-11.39	12.66

29	1	50840.0	-7523.6	-771.7	0.57	1.90	-18.18
	95	-37502.5	7523.6	771.7	-0.57	1.40	-13.93
30	1	51443.2	-223.0	-1126.6	-0.19	2.69	-0.69
	95	-38105.7	223.0	1126.6	0.19	2.12	-0.26
31	1	49798.5	-5213.0	-4857.6	-0.20	10.67	-12.64
	95	-36461.0	5213.0	4857.6	0.20	10.06	-9.61
32	1	50759.2	312.7	-3500.7	-0.55	7.79	0.60
	95	-37421.7	-312.7	3500.7	0.55	7.15	0.74
33	1	54042.3	10895.5	3751.5	-0.61	-7.72	25.94
	95	-40704.8	-10895.5	-3751.5	0.61	-8.29	20.56
34	1	53044.3	8986.5	1135.0	-0.78	-2.12	21.37
	95	-39706.8	-8986.5	-1135.0	0.78	-2.73	16.98
35	1	45360.0	725.8	145.6	-0.09	-0.06	1.55
	95	-32022.4	-725.8	-145.6	0.09	-0.56	1.55
36	1	38446.6	498.9	-121.6	-0.12	0.48	1.03
	95	-25109.1	-498.9	121.6	0.12	0.04	1.10
37	1	45812.3	2040.3	28.2	0.01	0.17	4.69
	95	-32474.8	-2040.3	-28.2	-0.01	-0.29	4.01
38	1	39038.5	892.2	310.7	-0.04	-0.45	1.88
	95	-25701.0	-892.2	-310.7	0.04	-0.88	1.93
39	1	33473.1	-485.2	150.4	-0.14	-0.12	-1.42
	95	-20135.6	485.2	-150.4	0.14	-0.53	-0.65
40	1	34433.7	6767.6	-589.0	-0.39	1.44	16.10
	95	-21096.2	-6767.6	589.0	0.39	1.08	12.78
41	1	43121.7	-5327.5	808.0	0.24	-1.47	-13.09
	95	-29784.2	5327.5	-808.0	-0.24	-1.98	-9.65
42	1	51942.2	731.5	181.7	-0.10	-0.11	1.60
	95	-38604.7	-731.5	-181.7	0.10	-0.67	1.53
43	1	53178.6	1164.5	4001.6	0.35	-8.30	2.63
	95	-39841.1	-1164.5	-4001.6	-0.35	-8.78	2.34
44	1	54185.5	6908.2	5431.0	-0.00	-11.34	16.39
	95	-40848.0	-6908.2	-5431.0	0.00	-11.84	13.10
45	1	50786.0	-7849.9	-840.3	0.57	2.04	-18.96
	95	-37448.5	7849.9	840.3	-0.57	1.55	-14.55
46	1	49742.1	-9832.8	-3561.1	0.41	7.87	-23.70
	95	-36404.5	9832.8	3561.1	-0.41	7.33	-18.26
47	1	49698.8	-5445.3	-5067.7	-0.20	11.12	-13.19
	95	-36361.3	5445.3	5067.7	0.20	10.51	-10.05
48	1	50705.7	298.4	-3638.2	-0.56	8.08	0.56
	95	-37368.2	-298.4	3638.2	0.56	7.45	0.71
49	1	54142.3	11295.8	3924.4	-0.61	-8.09	26.90
	95	-40804.8	-11295.8	-3924.4	0.61	-8.66	21.31
50	1	53098.3	9312.8	1203.7	-0.78	-2.26	22.15
	95	-39760.8	-9312.8	-1203.7	0.78	-2.88	17.60
51	1	39777.7	1079.5	3211.6	0.29	-6.67	2.37
	95	-26440.2	-1079.5	-3211.6	-0.29	-7.04	2.24
52	1	40582.2	5705.5	4353.2	0.01	-9.09	13.44
	95	-27244.7	-5705.5	-4353.2	-0.01	-9.48	10.91
53	1	37857.6	-6188.2	-691.2	0.47	1.67	-15.04
	95	-24520.1	6188.2	691.2	-0.47	1.28	-11.37
54	1	37016.2	-7791.7	-2894.9	0.33	6.39	-18.88
	95	-23678.7	7791.7	2894.9	-0.33	5.97	-14.38
55	1	36973.2	-4265.4	-4134.1	-0.16	9.06	-10.43
	95	-23635.7	4265.4	4134.1	0.16	8.58	-7.77
56	1	37777.8	360.6	-2992.6	-0.45	6.64	0.65
	95	-24440.3	-360.6	2992.6	0.45	6.14	0.89
57	1	40539.3	9231.8	3113.9	-0.49	-6.42	21.89
	95	-27201.8	-9231.8	-3113.9	0.49	-6.87	17.51
58	1	39697.9	7628.3	910.2	-0.62	-1.70	18.05

	95	-26360.4	-7628.3	-910.2	0.62	-2.18	14.50
1	95	60445.8	578.6	-848.3	0.07	1.09	0.68
	164	-43107.0	-578.6	848.3	-0.07	2.53	1.79
2	95	91181.0	1011.6	-1712.5	0.18	2.20	1.27
	164	-73842.3	-1011.6	1712.5	-0.18	5.11	3.04
3	95	87764.9	4573.1	-1189.3	0.02	1.10	10.19
	164	-70426.1	-4573.1	1189.3	-0.02	3.97	9.33
4	95	103000.4	10394.1	-1461.7	0.39	1.31	23.82
	164	-85661.6	-10394.1	1461.7	-0.39	4.93	20.54
5	95	88010.5	4846.5	-587.2	0.06	-0.20	10.83
	164	-70671.8	-4846.5	587.2	-0.06	2.71	9.85
6	95	76400.9	549.5	-447.8	-0.20	-0.21	0.73
	164	-59062.2	-549.5	447.8	0.20	2.12	1.62
7	95	94328.1	-2859.0	-2881.1	0.29	4.69	-8.37
	164	-76989.4	2859.0	2881.1	-0.29	7.61	-3.84
8	95	109563.6	2962.1	-3153.5	0.66	4.89	5.26
	164	-92224.9	-2962.1	3153.5	-0.66	8.57	7.38
9	95	94573.8	-2585.6	-2279.0	0.33	3.38	-7.73
	164	-77235.0	2585.6	2279.0	-0.33	6.34	-3.31
10	95	82964.2	-6882.5	-2139.6	0.07	3.37	-17.83
	164	-65625.4	6882.5	2139.6	-0.07	5.76	-11.54
11	95	72307.6	4253.6	-972.3	-0.05	1.02	9.65
	164	-54968.9	-4253.6	972.3	0.05	3.13	8.50
12	95	78870.9	-3178.5	-2664.1	0.22	4.60	-8.91
	164	-61532.1	3178.5	2664.1	-0.22	6.77	-4.66
13	95	97700.1	13955.3	-1426.4	0.56	1.35	32.37
	164	-80361.3	-13955.3	1426.4	-0.56	4.74	27.19
14	95	104263.3	6523.3	-3118.2	0.83	4.94	13.81
	164	-86924.6	-6523.3	3118.2	-0.83	8.37	14.03
15	95	72717.0	4709.3	31.1	0.02	-1.16	10.72
	164	-55378.3	-4709.3	-31.1	-0.02	1.03	9.38
16	95	79280.3	-2722.8	-1660.7	0.29	2.43	-7.84
	164	-61941.5	2722.8	1660.7	-0.29	4.66	-3.78
17	95	53367.7	-2452.3	263.4	-0.43	-1.18	-6.13
	164	-36028.9	2452.3	-263.4	0.43	0.05	-4.34
18	95	59930.9	-9884.4	-1428.4	-0.16	2.41	-24.68
	164	-42592.2	9884.4	1428.4	0.16	3.69	-17.50
19	95	70209.5	6834.0	-193.2	-0.12	-0.64	16.08
	164	-52870.8	-6834.0	193.2	0.12	1.47	13.09
20	95	81148.3	-5552.8	-3012.9	0.33	5.33	-14.85
	164	-63809.5	5552.8	3012.9	-0.33	7.53	-8.85
21	95	85445.0	12655.0	-465.7	0.24	-0.44	29.71
	164	-68106.3	-12655.0	465.7	-0.24	2.43	24.30
22	95	96383.8	268.2	-3285.4	0.69	5.53	-1.22
	164	-79045.0	-268.2	3285.4	-0.69	8.49	2.37
23	95	70455.2	7107.4	408.8	-0.08	-1.95	16.72
	164	-53116.4	-7107.4	-408.8	0.08	0.21	13.61
24	95	81393.9	-5279.4	-2410.9	0.37	4.02	-14.21
	164	-64055.2	5279.4	2410.9	-0.37	6.26	-8.32
25	95	58845.6	2810.4	548.2	-0.35	-1.96	6.61
	164	-41506.8	-2810.4	-548.2	0.35	-0.38	5.38
26	95	69784.3	-9576.4	-2271.5	0.10	4.01	-24.32
	164	-52445.6	9576.4	2271.5	-0.10	5.68	-16.55
27	95	66498.1	-103.6	2185.7	0.26	-5.92	-1.06
	164	-53160.6	103.6	-2185.7	-0.26	-3.41	0.61
28	95	67741.5	4293.6	3404.2	0.63	-8.60	9.45
	164	-54404.0	-4293.6	-3404.2	-0.63	-5.93	8.88
29	95	64277.8	-6147.3	-2034.5	-0.40	3.35	-15.51

	164	-50940.3	6147.3	2034.5	0.40	5.33	-10.73
30	95	65690.6	398.2	-2402.5	0.04	4.18	0.12
	164	-52353.1	-398.2	2402.5	-0.04	6.08	1.58
31	95	64299.3	-2714.1	-5810.3	-0.37	11.67	-7.33
	164	-50961.8	2714.1	5810.3	0.37	13.13	-4.25
32	95	65542.8	1683.2	-4591.8	0.00	8.99	3.17
	164	-52205.3	-1683.2	4591.8	-0.00	10.60	4.01
33	95	68422.6	8510.0	2027.2	0.84	-5.56	19.51
	164	-55085.1	-8510.0	-2027.2	-0.84	-3.09	16.81
34	95	67763.0	7726.9	-371.6	0.66	-0.28	17.63
	164	-54425.5	-7726.9	371.6	-0.66	1.87	15.35
35	95	55775.3	645.4	-915.0	0.09	1.17	0.86
	164	-42437.8	-645.4	915.0	-0.09	2.74	1.89
36	95	45440.6	398.1	-842.1	0.04	1.26	0.42
	164	-32103.1	-398.1	842.1	-0.04	2.33	1.28
37	95	55597.6	4278.8	-1023.7	0.28	1.40	9.51
	164	-42260.1	-4278.8	1023.7	-0.28	2.97	8.76
38	95	45604.4	580.4	-440.7	0.07	0.39	0.85
	164	-32266.9	-580.4	440.7	-0.07	1.49	1.63
39	95	37864.6	-2284.3	-347.8	-0.11	0.39	-5.89
	164	-24527.1	2284.3	347.8	0.11	1.10	-3.86
40	95	43342.5	2978.5	-63.0	-0.04	-0.40	6.85
	164	-30005.0	-2978.5	63.0	0.04	0.67	5.86
41	95	47718.0	-1976.2	-1190.9	0.14	1.99	-5.52
	164	-34380.5	1976.2	1190.9	-0.14	3.09	-2.91
42	95	66020.4	789.8	-1203.1	0.13	1.54	1.06
	164	-52682.9	-789.8	1203.1	-0.13	3.60	2.31
43	95	66572.6	35.0	2312.8	0.27	-6.20	-0.73
	164	-53235.1	-35.0	-2312.8	-0.27	-3.67	0.88
44	95	67761.4	4199.9	3593.9	0.62	-9.01	9.23
	164	-54423.9	-4199.9	-3593.9	-0.62	-6.32	8.70
45	95	64383.1	-5753.5	-2091.3	-0.35	3.48	-14.57
	164	-51045.6	5753.5	2091.3	0.35	5.44	-9.98
46	95	63695.2	-6550.1	-4585.2	-0.54	8.97	-16.49
	164	-50357.7	6550.1	4585.2	0.54	10.60	-11.47
47	95	64279.5	-2620.4	-6000.1	-0.36	12.09	-7.11
	164	-50942.0	2620.4	6000.1	0.36	13.52	-4.07
48	95	65468.3	1544.6	-4718.9	-0.01	9.27	2.84
	164	-52130.8	-1544.6	4718.9	0.01	10.87	3.75
49	95	68345.7	8129.7	2179.0	0.80	-5.90	18.61
	164	-55008.2	-8129.7	-2179.0	-0.80	-3.41	16.09
50	95	67657.7	7333.1	-314.8	0.61	-0.41	16.69
	164	-54320.2	-7333.1	314.8	-0.61	1.75	14.61
51	95	45973.5	-111.4	2228.4	0.17	-5.49	-0.79
	164	-32636.0	111.4	-2228.4	-0.17	-4.02	0.31
52	95	46934.8	3270.2	3252.1	0.46	-7.73	7.29
	164	-33597.3	-3270.2	-3252.1	-0.46	-6.15	6.66
53	95	44205.2	-4811.3	-1323.0	-0.34	2.32	-12.03
	164	-30867.7	4811.3	1323.0	0.34	3.33	-8.50
54	95	43650.9	-5458.3	-3343.3	-0.49	6.77	-13.59
	164	-30313.4	5458.3	3343.3	0.49	7.50	-9.71
55	95	44125.7	-2268.0	-4506.1	-0.35	9.33	-5.97
	164	-30788.2	2268.0	4506.1	0.35	9.90	-3.71
56	95	45087.0	1113.6	-3482.4	-0.06	7.08	2.11
	164	-31749.5	-1113.6	3482.4	0.06	7.78	2.64
57	95	47409.7	6460.5	2089.4	0.60	-5.17	14.91
	164	-34072.2	-6460.5	-2089.4	-0.60	-3.75	12.67
58	95	46855.3	5813.6	69.0	0.45	-0.73	13.35
	164	-33517.8	-5813.6	-69.0	-0.45	0.43	11.46

1	2	59479.6	379.1	1123.7	-0.13	-1.61	0.20
	96	-42140.8	-379.1	-1123.7	0.13	-3.19	1.42
2	2	89308.7	761.4	2195.0	-0.25	-3.09	0.68
	96	-71969.9	-761.4	-2195.0	0.25	-6.28	2.57
3	2	83044.0	2841.3	5176.0	-0.13	-9.50	6.09
	96	-65705.2	-2841.3	-5176.0	0.13	-12.59	6.04
4	2	97620.1	8285.8	5916.5	-0.42	-10.67	18.87
	96	-80281.3	-8285.8	-5916.5	0.42	-14.58	16.50
5	2	82580.5	2809.8	5794.8	-0.06	-10.84	6.02
	96	-65241.7	-2809.8	-5794.8	0.06	-13.90	5.97
6	2	71581.6	-1362.3	5176.1	0.13	-9.82	-3.82
	96	-54242.9	1362.3	-5176.1	-0.13	-12.27	-2.00
7	2	96071.0	-1283.7	-1449.4	-0.46	4.76	-4.65
	96	-78732.3	1283.7	1449.4	0.46	1.43	-0.83
8	2	110647.1	4160.8	-708.9	-0.75	3.59	8.13
	96	-93308.4	-4160.8	708.9	0.75	-0.57	9.63
9	2	95607.5	-1315.2	-830.6	-0.38	3.43	-4.71
	96	-78268.8	1315.2	830.6	0.38	0.12	-0.90
10	2	84608.7	-5487.3	-1449.2	-0.20	4.44	-14.56
	96	-67269.9	5487.3	1449.2	0.20	1.75	-8.86
11	2	68295.3	2661.6	4419.2	-0.09	-8.29	5.87
	96	-50956.6	-2661.6	-4419.2	0.09	-10.57	5.49
12	2	81322.4	-1463.3	-2206.2	-0.42	5.98	-4.87
	96	-63983.6	1463.3	2206.2	0.42	3.44	-1.38
13	2	92588.8	11735.9	5653.4	-0.58	-10.23	27.17
	96	-75250.1	-11735.9	-5653.4	0.58	-13.90	22.92
14	2	105615.9	7610.9	-972.0	-0.90	4.03	16.43
	96	-88277.1	-7610.9	972.0	0.90	0.12	16.06
15	2	67522.8	2609.2	5450.5	0.02	-10.51	5.76
	96	-50184.1	-2609.2	-5450.5	-0.02	-12.75	5.37
16	2	80549.9	-1515.8	-1174.9	-0.30	3.75	-4.97
	96	-63211.1	1515.8	1174.9	0.30	1.26	-1.50
17	2	49191.4	-4344.2	4419.4	0.34	-8.82	-10.64
	96	-31852.7	4344.2	-4419.4	-0.34	-10.04	-7.90
18	2	62218.5	-8469.2	-2205.9	0.01	5.44	-21.38
	96	-44879.7	8469.2	2205.9	-0.01	3.97	-14.77
19	2	63787.1	4025.1	6848.8	0.04	-13.52	9.43
	96	-46448.3	-4025.1	-6848.8	-0.04	-15.71	7.75
20	2	85498.8	-2849.9	-4193.5	-0.50	10.25	-8.47
	96	-68160.1	2849.9	4193.5	0.50	7.64	-3.69
21	2	78363.2	9469.6	7589.3	-0.25	-14.68	22.20
	96	-61024.5	-9469.6	-7589.3	0.25	-17.71	18.21
22	2	100075.0	2594.7	-3453.0	-0.79	9.09	4.31
	96	-82736.2	-2594.7	3453.0	0.79	5.65	6.77
23	2	63323.6	3993.6	7467.6	0.11	-14.85	9.36
	96	-45984.8	-3993.6	-7467.6	-0.11	-17.02	7.68
24	2	85035.3	-2881.4	-3574.7	-0.43	8.92	-8.53
	96	-67696.6	2881.4	3574.7	0.43	6.34	-3.76
25	2	52324.7	-178.4	6848.9	0.30	-13.84	-0.48
	96	-34986.0	178.4	-6848.9	-0.30	-15.39	-0.28
26	2	74036.5	-7053.4	-4193.4	-0.24	9.93	-18.38
	96	-56697.7	7053.4	4193.4	0.24	7.96	-11.73
27	2	60722.4	-1975.3	5097.4	0.23	-9.84	-5.53
	96	-47384.9	1975.3	-5097.4	-0.23	-11.91	-2.90
28	2	62297.1	2136.7	6341.2	-0.01	-12.54	4.31
	96	-48959.6	-2136.7	-6341.2	0.01	-14.52	4.81
29	2	61133.5	-6395.4	722.5	0.30	-0.37	-16.11
	96	-47796.0	6395.4	-722.5	-0.30	-2.71	-11.18

30	2	65684.9	781.3	289.4	-0.27	0.55	1.04
	96	-52347.4	-781.3	-289.4	0.27	-1.79	2.30
31	2	67145.7	-897.5	-3256.3	-0.35	8.22	-2.99
	96	-53808.2	897.5	3256.3	0.35	5.67	-0.84
32	2	68720.3	3214.5	-2012.5	-0.59	5.53	6.84
	96	-55382.8	-3214.5	2012.5	0.59	3.06	6.88
33	2	66382.3	7311.3	4868.5	-0.49	-9.37	16.67
	96	-53044.8	-7311.3	-4868.5	0.49	-11.41	14.54
34	2	68309.3	7634.7	2362.4	-0.66	-3.95	17.43
	96	-54971.8	-7634.7	-2362.4	0.66	-6.14	15.16
35	2	54778.4	492.2	1185.3	-0.14	-1.67	0.50
	96	-41440.9	-492.2	-1185.3	0.14	-3.39	1.60
36	2	45001.2	376.3	607.1	-0.12	-0.70	0.36
	96	-31663.7	-376.3	-607.1	0.12	-1.89	1.25
37	2	54718.6	4006.0	1100.8	-0.31	-1.47	8.88
	96	-41381.1	-4006.0	-1100.8	0.31	-3.22	8.22
38	2	44692.2	355.3	1019.6	-0.07	-1.59	0.32
	96	-31354.7	-355.3	-1019.6	0.07	-2.77	1.20
39	2	37359.6	-2426.1	607.2	0.05	-0.91	-6.24
	96	-24022.1	2426.1	-607.2	-0.05	-1.68	-4.11
40	2	40493.0	1739.7	3036.7	0.01	-5.93	3.92
	96	-27155.5	-1739.7	-3036.7	-0.01	-7.03	3.51
41	2	49177.7	-1010.3	-1380.2	-0.20	3.58	-3.24
	96	-35840.2	1010.3	1380.2	0.20	2.31	-1.07
42	2	64721.4	619.6	1542.5	-0.18	-2.16	0.66
	96	-51383.9	-619.6	-1542.5	0.18	-4.43	1.99
43	2	60635.7	-1773.2	5228.8	0.23	-10.13	-5.04
	96	-47298.2	1773.2	-5228.8	-0.23	-12.19	-2.53
44	2	62136.2	1979.3	6539.5	0.01	-12.97	3.93
	96	-48798.7	-1979.3	-6539.5	-0.01	-14.94	4.51
45	2	61219.9	-5789.6	660.5	0.27	-0.24	-14.66
	96	-47882.4	5789.6	-660.5	-0.27	-2.58	-10.05
46	2	63221.2	-5479.6	-1944.5	0.09	5.40	-13.93
	96	-49883.7	5479.6	1944.5	-0.09	2.90	-9.45
47	2	67306.5	-740.1	-3454.6	-0.37	8.65	-2.62
	96	-53969.0	740.1	3454.6	0.37	6.09	-0.54
48	2	68807.0	3012.4	-2143.9	-0.59	5.81	6.36
	96	-55469.5	-3012.4	2143.9	0.59	3.34	6.50
49	2	66221.6	6718.9	5029.4	-0.45	-9.71	15.25
	96	-52884.1	-6718.9	-5029.4	0.45	-11.75	13.42
50	2	68222.8	7028.8	2424.4	-0.63	-4.08	15.98
	96	-54885.3	-7028.8	-2424.4	0.63	-6.27	14.02
51	2	41522.0	-1584.9	3822.5	0.24	-7.64	-4.31
	96	-28184.5	1584.9	-3822.5	-0.24	-8.67	-2.46
52	2	42738.7	1470.2	4869.4	0.06	-9.92	3.00
	96	-29401.2	-1470.2	-4869.4	-0.06	-10.87	3.28
53	2	41996.0	-4853.8	138.6	0.28	0.33	-12.14
	96	-28658.5	4853.8	-138.6	-0.28	-0.92	-8.58
54	2	43618.9	-4600.5	-1972.0	0.13	4.90	-11.54
	96	-30281.4	4600.5	1972.0	-0.13	3.52	-8.09
55	2	46931.9	-740.8	-3213.0	-0.25	7.57	-2.33
	96	-33594.4	740.8	3213.0	0.25	6.14	-0.83
56	2	48148.6	2314.3	-2166.0	-0.43	5.30	4.98
	96	-34811.1	-2314.3	2166.0	0.43	3.95	4.90
57	2	46051.7	5329.9	3628.5	-0.32	-7.24	12.22
	96	-32714.2	-5329.9	-3628.5	0.32	-8.25	10.53
58	2	47674.7	5583.2	1517.8	-0.46	-2.68	12.81
	96	-34337.2	-5583.2	-1517.8	0.46	-3.80	11.02

1	96	40440.8	1227.4	-186.4	0.05	0.13	1.14
	165	-24190.8	-1227.4	186.4	-0.05	0.61	3.77
2	96	50119.2	1595.0	-427.2	0.05	0.60	1.73
	165	-33869.2	-1595.0	427.2	-0.05	1.11	4.65
3	96	58226.9	8082.4	-3858.8	-0.33	8.86	16.59
	165	-41976.9	-8082.4	3338.8	0.33	5.54	15.74
4	96	52858.2	8621.6	-3065.2	-0.26	7.54	18.10
	165	-36608.2	-8621.6	3065.2	0.26	4.72	16.39
5	96	48394.5	7306.1	-1950.1	-0.11	5.79	14.91
	165	-32144.5	-7306.1	2816.8	0.11	3.75	14.32
6	96	52445.2	6794.5	-2976.7	-0.23	7.30	13.51
	165	-36195.2	-6794.5	2976.7	0.23	4.61	13.67
7	96	53183.2	-4022.9	1277.2	0.19	-4.64	-11.25
	165	-36933.2	4022.9	-1797.2	-0.19	-1.51	-4.84
8	96	47814.6	-3483.7	2070.8	0.27	-5.96	-9.74
	165	-31564.6	3483.7	-2070.8	-0.27	-2.33	-4.20
9	96	43350.8	-4799.2	3186.0	0.42	-7.71	-12.93
	165	-27100.8	4799.2	-2319.3	-0.42	-3.30	-6.27
10	96	47401.5	-5310.8	2159.3	0.30	-6.20	-14.33
	165	-31151.5	5310.8	-2159.3	-0.30	-2.43	-6.91
11	96	57111.7	8188.5	-4314.2	-0.42	9.63	16.92
	165	-40861.7	-8188.5	3447.5	0.42	5.89	15.84
12	96	52068.0	-3916.8	821.8	0.11	-3.87	-10.92
	165	-35818.0	3916.8	-1688.5	-0.11	-1.15	-4.75
13	96	48163.9	9087.2	-2991.6	-0.29	7.44	19.44
	165	-31913.9	-9087.2	2991.6	0.29	4.53	16.91
14	96	43120.2	-3018.1	2144.4	0.23	-6.06	-8.40
	165	-26870.2	3018.1	-2144.4	-0.23	-2.52	-3.67
15	96	40724.3	6894.7	-1132.9	-0.04	4.51	14.12
	165	-24474.3	-6894.7	2577.4	0.04	2.91	13.46
16	96	35680.6	-5210.6	4003.1	0.48	-8.99	-13.72
	165	-19430.6	5210.6	-2558.6	-0.48	-4.13	-7.13
17	96	47475.4	6042.0	-2844.0	-0.24	7.02	11.79
	165	-31225.4	-6042.0	2844.0	0.24	4.35	12.38
18	96	42431.7	-6063.3	2292.0	0.28	-6.47	-16.05
	165	-26181.7	6063.3	-2292.0	-0.28	-2.69	-8.20
19	96	55069.0	11933.7	-5450.5	-0.51	13.13	25.57
	165	-38819.0	-11933.7	4930.5	0.51	7.64	22.16
20	96	46662.8	-8241.8	3109.6	0.36	-9.37	-20.82
	165	-30412.8	8241.8	-3629.6	-0.36	-4.10	-12.14
21	96	49700.3	12472.9	-4656.9	-0.43	11.81	27.08
	165	-33450.3	-12472.9	4656.9	0.43	6.82	22.81
22	96	41294.2	-7702.6	3903.2	0.44	-10.69	-19.31
	165	-25044.2	7702.6	-3903.2	-0.44	-4.92	-11.50
23	96	45236.6	11157.5	-3541.7	-0.28	10.05	23.89
	165	-28986.6	-11157.5	4408.4	0.28	5.85	20.74
24	96	36830.4	-9018.0	5018.4	0.59	-12.45	-22.50
	165	-20580.4	9018.0	-4151.7	-0.59	-5.89	-13.57
25	96	49287.2	10645.8	-4568.3	-0.40	11.56	22.49
	165	-33037.2	-10645.8	4568.3	0.40	6.71	20.09
26	96	40881.1	-9529.7	3991.7	0.47	-10.94	-23.90
	165	-24631.1	9529.7	-3991.7	-0.47	-5.03	-14.22
27	96	32605.6	-4816.1	3063.5	0.20	-7.61	-13.78
	165	-20105.6	4816.1	-3063.5	-0.20	-4.64	-5.49
28	96	31473.0	95.9	2385.6	0.30	-6.00	-1.40
	165	-18973.0	-95.9	-2385.6	-0.30	-3.55	1.78
29	96	37644.1	-8049.9	1723.9	-0.08	-4.40	-21.99
	165	-25144.1	8049.9	-1723.9	0.08	-2.49	-10.21
30	96	38942.5	2277.0	-1232.1	-0.03	2.65	3.99

	165	-26442.5	-2277.0	1232.1	0.03	2.28	5.11
31	96	43225.9	2317.9	-3023.7	-0.24	6.93	4.04
	165	-30725.9	-2317.9	3023.7	0.24	5.16	5.23
32	96	42093.3	7229.9	-3701.6	-0.14	8.55	16.42
	165	-29593.3	-7229.9	3701.6	0.14	6.26	12.50
33	96	33868.7	8323.5	-535.9	0.27	0.98	19.29
	165	-21368.7	-8323.5	535.9	-0.27	1.17	14.01
34	96	37054.8	10463.7	-2362.0	0.14	5.34	24.63
	165	-24554.8	-10463.7	2362.0	-0.14	4.11	17.22
35	96	34123.3	1084.4	-238.8	0.03	0.31	1.12
	165	-21623.3	-1084.4	238.8	-0.03	0.64	3.21
36	96	34621.2	1251.7	-734.3	-0.05	1.16	1.55
	165	-22121.2	-1251.7	387.6	0.05	1.08	3.45
37	96	31042.0	1611.2	-205.3	-0.00	0.29	2.56
	165	-18542.0	-1611.2	205.3	0.00	0.54	3.88
38	96	28066.2	734.2	538.2	0.10	-0.89	0.43
	165	-15566.2	-734.2	39.6	-0.10	-0.11	2.50
39	96	30766.7	393.1	-146.2	0.02	0.12	-0.50
	165	-18266.6	-393.1	146.2	-0.02	0.47	2.07
40	96	32578.5	4997.0	-1870.6	-0.15	4.66	10.21
	165	-20078.5	-4997.0	1870.6	0.15	2.83	9.78
41	96	29216.0	-3073.2	1553.5	0.20	-4.34	-8.35
	165	-16716.0	3073.2	-1553.5	-0.20	-1.87	-3.94
42	96	37349.5	1206.9	-319.1	0.03	0.47	1.32
	165	-24849.5	-1206.9	319.1	-0.03	0.81	3.51
43	96	31279.1	-5005.5	3172.7	0.19	-7.87	-14.26
	165	-18779.1	5005.5	-3172.7	-0.19	-4.82	-5.76
44	96	32440.2	117.6	2481.3	0.29	-6.22	-1.34
	165	-19940.2	-117.6	-2481.3	-0.29	-3.70	1.81
45	96	33767.3	-8426.8	1777.1	-0.07	-4.53	-22.95
	165	-21267.3	8426.8	-1777.1	0.07	-2.58	-10.76
46	96	37061.1	-6236.3	-110.5	-0.19	-0.02	-17.47
	165	-24561.1	6236.3	110.5	0.19	0.46	-7.47
47	96	42258.7	2296.2	-3119.4	-0.23	7.16	3.99
	165	-29758.7	-2296.2	3119.4	0.23	5.32	5.20
48	96	43419.9	7419.2	-3810.8	-0.13	8.81	16.90
	165	-30919.9	-7419.2	3810.8	0.13	6.44	12.78
49	96	37637.8	8650.1	-527.6	0.26	0.96	20.11
	165	-25137.8	-8650.1	527.6	-0.26	1.15	14.49
50	96	40931.7	10840.6	-2415.2	0.13	5.47	25.59
	165	-28431.7	-10840.6	2415.2	-0.13	4.19	17.78
51	96	25959.3	-4084.9	2684.2	0.16	-6.63	-11.73
	165	-13459.3	4084.9	-2684.2	-0.16	-4.10	-4.61
52	96	26905.1	44.5	2119.0	0.24	-5.29	-1.32
	165	-14405.1	-44.5	-2119.0	-0.24	-3.19	1.49
53	96	27981.4	-6815.1	1551.3	-0.05	-3.92	-18.66
	165	-15481.4	6815.1	-1551.3	0.05	-2.28	-8.60
54	96	30660.4	-5025.9	15.2	-0.15	-0.25	-14.19
	165	-18160.4	5025.9	-15.2	0.15	0.19	-5.91
55	96	34889.3	1879.2	-2436.2	-0.18	5.60	3.17
	165	-22389.3	-1879.2	2436.2	0.18	4.15	4.35
56	96	35835.1	6008.6	-3001.3	-0.10	6.95	13.58
	165	-23335.1	-6008.6	3001.3	0.10	5.06	10.45
57	96	31134.1	6949.6	-332.4	0.21	0.56	16.05
	165	-18634.1	-6949.6	332.4	-0.21	0.77	11.75
58	96	33813.1	8738.8	-1868.5	0.11	4.23	20.52
	165	-21313.1	-8738.8	1868.5	-0.11	3.24	14.44
1	3	13460.8	5684.1	-286.6	-0.04	-0.55	4.43

	97	-9252.0	-5684.1	286.6	0.04	0.84	1.46
2	3	23075.6	7229.8	-502.4	-0.12	-0.99	3.27
	97	-18866.8	-7229.8	502.4	0.12	1.51	4.22
3	3	32610.6	4235.2	-4666.1	-0.01	-4.69	-1.87
	97	-28401.9	-4235.2	4531.4	0.01	9.45	6.26
4	3	27260.7	3981.9	-4719.3	0.33	-3.92	-1.02
	97	-23051.9	-3981.9	4719.3	-0.33	8.81	5.15
5	3	22801.8	2337.7	-5295.7	-0.17	-2.72	-1.12
	97	-18593.0	-2337.7	5520.2	0.17	8.32	3.55
6	3	26834.9	2513.2	-4808.6	-0.37	-3.61	-1.77
	97	-22626.1	-2513.2	4808.6	0.37	8.59	4.37
7	3	24683.8	12376.1	3909.5	-0.07	0.71	7.56
	97	-20475.1	-12376.1	-4044.2	0.07	-4.83	5.26
8	3	19333.9	12122.7	3856.3	0.27	1.47	8.41
	97	-15125.1	-12122.7	-3856.3	-0.27	-5.47	4.15
9	3	14875.0	10478.6	3279.9	-0.22	2.68	8.31
	97	-10666.2	-10478.6	-3055.4	0.22	-5.96	2.55
10	3	18908.1	10654.1	3767.0	-0.43	1.79	7.66
	97	-14699.4	-10654.1	-3767.0	0.43	-5.69	3.38
11	3	31517.7	4179.6	-4475.4	0.08	-5.13	-1.58
	97	-27308.9	-4179.6	4251.0	-0.08	9.65	5.91
12	3	23590.9	12320.5	4100.2	0.02	0.26	7.85
	97	-19382.1	-12320.5	-4324.7	-0.02	-4.63	4.91
13	3	22601.1	3757.4	-4564.2	0.65	-3.86	-0.17
	97	-18392.3	-3757.4	4564.2	-0.65	8.59	4.06
14	3	14674.3	11898.2	4011.4	0.59	1.53	9.26
	97	-10465.5	-11898.2	-4011.4	-0.59	-5.69	3.07
15	3	15169.6	1017.1	-5524.8	-0.18	-1.85	-0.34
	97	-10960.8	-1017.1	5899.0	0.18	7.77	1.39
16	3	7242.8	9158.0	3050.8	-0.24	3.54	9.09
	97	-3034.0	-9158.0	-2676.6	0.24	-6.51	0.39
17	3	21891.4	1309.6	-4713.0	-0.52	-3.34	-1.41
	97	-17682.7	-1309.6	4713.0	0.52	8.22	2.77
18	3	13964.6	9450.5	3862.6	-0.58	2.06	8.02
	97	-9755.9	-9450.5	-3862.6	0.58	-6.06	1.77
19	3	30445.5	748.7	-7416.7	0.05	-6.26	-4.44
	97	-26236.7	-748.7	7282.0	-0.05	13.88	5.21
20	3	17234.2	14316.9	6876.0	-0.05	2.73	11.28
	97	-13025.4	-14316.9	-7010.6	0.05	-9.92	3.55
21	3	25095.5	495.4	-7470.0	0.39	-5.50	-3.59
	97	-20886.8	-495.4	7470.0	-0.39	13.24	4.11
22	3	11884.2	14063.5	6822.7	0.29	3.49	12.13
	97	-7675.5	-14063.5	-6822.7	-0.29	-10.56	2.44
23	3	20636.6	-1148.7	-8046.4	-0.11	-4.30	-3.69
	97	-16427.9	1148.7	8270.9	0.11	12.75	2.50
24	3	7425.3	12419.4	6246.3	-0.20	4.70	12.03
	97	-3216.6	-12419.4	-6021.8	0.20	-11.05	0.84
25	3	24669.7	-973.2	-7559.3	-0.31	-5.19	-4.34
	97	-20461.0	973.2	7559.3	0.31	13.02	3.33
26	3	11458.4	12594.9	6733.4	-0.41	3.81	11.38
	97	-7249.7	-12594.9	-6733.4	0.41	-10.78	1.67
27	3	11765.4	5890.8	-618.5	0.75	3.71	2.91
	97	-8527.9	-5890.8	618.5	-0.75	-4.06	3.20
28	3	10617.6	9867.9	-1114.2	2.74	4.74	4.90
	97	-7380.1	-9867.9	1114.2	-2.74	-2.97	5.33
29	3	16867.2	-486.4	305.6	-2.84	-0.97	-0.27
	97	-13629.7	486.4	-305.6	2.84	-2.08	-0.24
30	3	18179.1	4653.0	-224.4	-0.61	-2.21	2.31
	97	-14941.6	-4653.0	224.4	0.61	2.50	2.51

31	3	22515.6	927.2	369.1	-2.87	-6.20	0.46
	97	-19278.1	-927.2	-369.1	2.87	5.20	0.49
32	3	21367.7	4904.3	-126.6	-0.87	-5.16	2.45
	97	-18130.2	-4904.3	126.6	0.87	6.28	2.63
33	3	13040.9	12770.6	-1346.9	3.80	2.48	6.36
	97	-9803.4	-12770.6	1346.9	-3.80	1.53	6.87
34	3	16266.0	11281.5	-1050.7	2.72	-0.49	5.63
	97	-13028.5	-11281.5	1050.7	-2.72	4.31	6.06
35	3	13361.6	4882.3	-300.6	-0.04	-0.58	3.06
	97	-10124.1	-4882.3	300.6	0.04	0.89	1.99
36	3	13871.1	5084.4	-145.9	0.04	-1.10	3.16
	97	-10633.7	-5084.4	56.1	-0.04	1.21	2.11
37	3	10304.5	4915.5	-181.4	0.27	-0.59	3.73
	97	-7067.0	-4915.5	181.4	-0.27	0.78	1.37
38	3	7331.9	3819.4	-565.7	-0.06	0.21	3.66
	97	-4094.4	-3819.4	715.3	0.06	0.45	0.30
39	3	10020.7	3936.4	-240.9	-0.20	-0.38	3.23
	97	-6783.2	-3936.4	240.9	0.20	0.63	0.85
40	3	12799.0	1653.5	-3087.2	0.01	-2.23	0.30
	97	-9561.5	-1653.5	3087.2	-0.01	5.43	1.41
41	3	7514.4	7080.7	2629.8	-0.03	1.37	6.59
	97	-4276.9	-7080.7	-2629.8	0.03	-4.09	0.74
42	3	16566.6	5397.6	-372.6	-0.06	-0.73	2.68
	97	-13329.1	-5397.6	372.6	0.06	1.11	2.91
43	3	10419.9	5895.2	-616.0	0.78	3.86	2.91
	97	-7182.4	-5895.2	616.0	-0.78	-4.22	3.20
44	3	11597.3	10064.1	-1135.3	2.86	4.93	5.00
	97	-8359.8	-10064.1	1135.3	-2.86	-3.11	5.43
45	3	12936.9	-775.9	341.9	-2.98	-0.97	-0.41
	97	-9699.4	775.9	-341.9	2.98	-2.17	-0.39
46	3	16271.7	-2325.1	643.8	-4.11	-4.05	-1.18
	97	-13034.2	2325.1	-643.8	4.11	0.70	-1.23
47	3	21535.9	731.0	390.1	-2.99	-6.38	0.36
	97	-18298.4	-731.0	-390.1	2.99	5.34	0.39
48	3	22713.3	4899.9	-129.1	-0.90	-5.31	2.45
	97	-19475.8	-4899.9	129.1	0.90	6.45	2.63
49	3	16861.5	13120.3	-1388.9	3.98	2.59	6.54
	97	-13624.0	-13120.3	1388.9	-3.98	1.52	7.06
50	3	20196.3	11571.0	-1087.0	2.85	-0.48	5.77
	97	-16958.8	-11571.0	1087.0	-2.85	4.39	6.22
51	3	5157.0	4774.2	-424.3	0.66	3.30	3.64
	97	-1919.5	-4774.2	424.3	-0.66	-3.68	1.31
52	3	6115.9	8127.2	-841.0	2.33	4.16	5.31
	97	-2878.4	-8127.2	841.0	-2.33	-2.77	3.11
53	3	7202.4	-596.2	344.7	-2.35	-0.63	0.96
	97	-3964.9	596.2	-344.7	2.35	-2.01	-1.58
54	3	9914.6	-1846.4	587.0	-3.25	-3.13	0.34
	97	-6677.1	1846.4	-587.0	3.25	0.33	-2.26
55	3	14197.5	607.0	383.6	-2.35	-5.03	1.58
	97	-10960.0	-607.0	-383.6	2.35	4.11	-0.95
56	3	15156.5	3960.0	-33.1	-0.68	-4.16	3.26
	97	-11919.0	-3960.0	33.1	0.68	5.02	0.84
57	3	10398.8	10580.6	-1044.4	3.23	2.26	6.55
	97	-7161.3	-10580.6	1044.4	-3.23	1.01	4.41
58	3	13111.0	9330.5	-802.1	2.33	-0.24	5.93
	97	-9873.5	-9330.5	802.1	-2.33	3.35	3.73
1	97	60819.6	623.0	-1101.9	-0.03	2.10	0.83
	168	-43480.8	-623.0	1101.9	0.03	2.60	1.83

2	97	90005.6	1603.4	-1333.9	-0.13	2.51	2.32
	168	-72666.9	-1603.4	1333.9	0.13	3.19	4.53
3	97	98430.0	3485.0	-11614.9	-0.04	27.53	6.17
	168	-81091.3	-3485.0	11614.9	0.04	22.04	8.71
4	97	83269.8	3497.3	-10346.7	0.19	24.49	6.52
	168	-65931.1	-3497.3	10346.7	-0.19	19.67	8.41
5	97	72484.2	2562.7	-8647.2	0.36	20.31	4.70
	168	-55145.4	-2562.7	8647.2	-0.36	16.60	6.24
6	97	84026.2	2470.3	-9878.8	0.14	23.30	4.25
	168	-66687.4	-2470.3	9878.8	-0.14	18.86	6.29
7	97	111086.1	776.9	5677.4	-0.68	-14.60	0.14
	168	-93747.4	-776.9	-5677.4	0.68	-9.63	3.17
8	97	95925.9	789.2	6945.6	-0.44	-17.64	0.49
	168	-78587.2	-789.2	-6945.6	0.44	-12.00	2.87
9	97	85140.3	-145.4	8645.1	-0.28	-21.82	-1.32
	168	-67801.5	145.4	-8645.1	0.28	-15.07	0.70
10	97	96682.3	-237.8	7413.5	-0.49	-18.83	-1.77
	168	-79343.5	237.8	-7413.5	0.49	-12.81	0.75
11	97	93672.0	3346.5	-12588.8	-0.14	29.97	5.98
	168	-76333.2	-3346.5	12588.8	0.14	23.76	8.30
12	97	106328.1	638.5	4703.5	-0.78	-12.17	-0.04
	168	-88989.3	-638.5	-4703.5	0.78	-7.91	2.76
13	97	68405.0	3367.0	-10475.1	0.25	24.90	6.56
	168	-51066.2	-3367.0	10475.1	-0.25	19.81	7.81
14	97	81061.1	658.9	6817.2	-0.39	-17.23	0.54
	168	-63722.3	-658.9	-6817.2	0.39	-11.86	2.27
15	97	50428.9	1809.3	-7642.6	0.52	17.94	3.54
	168	-33090.1	-1809.3	7642.6	-0.52	14.68	4.18
16	97	63085.0	-898.8	9649.7	-0.11	-24.20	-2.48
	168	-45746.3	898.8	-9649.7	0.11	-16.99	-1.36
17	97	69665.5	1655.3	-9695.3	0.17	22.93	2.79
	168	-52326.8	-1655.3	9695.3	-0.17	18.45	4.27
18	97	82321.6	-1052.8	7597.0	-0.47	-19.21	-3.23
	168	-64982.9	1052.8	-7597.0	0.47	-13.22	-1.26
19	97	79618.3	3897.5	-17263.0	0.22	41.37	7.43
	168	-62279.5	-3897.5	17263.0	-0.22	32.31	9.20
20	97	100711.8	-615.9	11557.6	-0.84	-28.85	-2.61
	168	-83373.1	615.9	-11557.6	0.84	-20.48	-0.02
21	97	64458.1	3909.7	-15994.8	0.46	38.33	7.78
	168	-47119.3	-3909.7	15994.8	-0.46	29.93	8.91
22	97	85551.6	-603.7	12825.7	-0.60	-31.89	-2.26
	168	-68212.9	603.7	-12825.7	0.60	-22.85	-0.32
23	97	53672.5	2975.2	-14295.3	0.62	34.15	5.97
	168	-36333.7	-2975.2	14295.3	-0.62	26.86	6.73
24	97	74766.0	-1538.3	14525.2	-0.44	-36.07	-4.07
	168	-57427.2	1538.3	-14525.2	0.44	-25.93	-2.50
25	97	65214.4	2882.7	-15526.9	0.41	37.15	5.52
	168	-47875.7	-2882.7	15526.9	-0.41	29.12	6.79
26	97	86307.9	-1630.7	13293.7	-0.65	-33.07	-4.52
	168	-68969.2	1630.7	-13293.7	0.65	-23.66	-2.44
27	97	65355.0	1420.6	11406.6	0.08	-28.57	2.27
	168	-52017.5	-1420.6	-11406.6	-0.08	-20.11	3.79
28	97	64246.7	4234.2	8918.9	0.27	-22.46	8.52
	168	-50909.2	-4234.2	-8918.9	-0.27	-15.60	9.55
29	97	67134.4	-3052.1	6535.3	-0.33	-16.63	-7.65
	168	-53796.9	3052.1	-6535.3	0.33	-11.26	-5.38
30	97	65704.1	617.3	-4273.9	-0.17	9.90	0.51
	168	-52366.6	-617.3	4273.9	0.17	8.34	2.12
31	97	66744.6	-1979.6	-10803.7	-0.45	25.91	-5.24

	168	-53407.1	1979.6	10803.7	0.45	20.20	-3.21
32	97	65636.3	834.0	-13291.4	-0.26	32.02	1.01
	168	-52298.8	-834.0	13291.4	0.26	24.70	2.55
33	97	63440.1	6326.8	-1757.0	0.30	3.74	13.18
	168	-50102.6	-6326.8	1757.0	-0.30	3.76	13.82
34	97	63856.9	5306.7	-8420.1	0.14	20.08	10.93
	168	-50519.4	-5306.7	8420.1	-0.14	15.86	11.72
35	97	55767.0	800.5	-865.1	-0.06	1.59	1.14
	168	-42429.5	-800.5	865.1	0.06	2.10	2.27
36	97	55873.3	825.4	-1877.6	-0.18	4.10	1.21
	168	-42535.8	-825.4	1877.6	0.18	3.92	2.31
37	97	45766.5	833.6	-1032.2	-0.02	2.07	1.44
	168	-32429.0	-833.6	1032.2	0.02	2.34	2.12
38	97	38576.1	210.5	100.8	0.09	-0.72	0.23
	168	-25238.6	-210.5	-100.8	-0.09	0.29	0.67
39	97	46270.7	148.9	-720.2	-0.05	1.28	-0.07
	168	-32933.2	-148.9	720.2	0.05	1.79	0.70
40	97	41819.6	1376.4	-6551.8	0.19	15.50	2.66
	168	-28482.1	-1376.4	6551.8	-0.19	12.46	3.22
41	97	50257.0	-429.0	4976.4	-0.24	-12.59	-1.36
	168	-36919.5	429.0	-4976.4	0.24	-8.65	-0.47
42	97	65495.7	1127.3	-942.4	-0.09	1.73	1.64
	168	-52158.2	-1127.3	942.4	0.09	2.30	3.17
43	97	65364.3	1439.2	11803.5	0.07	-29.54	2.31
	168	-52026.8	-1439.2	-11803.5	-0.07	-20.83	3.83
44	97	64206.4	4390.7	9265.7	0.25	-23.31	8.87
	168	-50868.9	-4390.7	-9265.7	-0.25	-16.23	9.88
45	97	67212.5	-3255.6	6730.3	-0.32	-17.11	-8.10
	168	-53875.0	3255.6	-6730.3	0.32	-11.62	-5.80
46	97	67638.7	-4328.2	-155.9	-0.47	-0.22	-10.47
	168	-54301.2	4328.2	155.9	0.47	0.88	-8.01
47	97	66785.0	-2136.1	-11150.5	-0.44	26.76	-5.59
	168	-53447.5	2136.1	11150.5	0.44	20.83	-3.53
48	97	65627.0	815.4	-13688.3	-0.25	33.00	0.97
	168	-52289.5	-815.4	13688.3	0.25	25.42	2.51
49	97	63352.7	6582.8	-1728.9	0.29	3.67	13.75
	168	-50015.2	-6582.8	1728.9	-0.29	3.71	14.35
50	97	63778.9	5510.2	-8615.1	0.14	20.56	11.38
	168	-50441.4	-5510.2	8615.1	-0.14	16.21	12.14
51	97	45930.5	720.1	9590.7	0.11	-24.01	1.18
	168	-32593.0	-720.1	-9590.7	-0.11	-16.93	1.89
52	97	44998.3	3092.5	7515.1	0.26	-18.91	6.45
	168	-31660.8	-3092.5	-7515.1	-0.26	-13.17	6.75
53	97	47419.9	-3050.4	5473.7	-0.21	-13.91	-7.18
	168	-34082.4	3050.4	-5473.7	0.21	-9.45	-5.84
54	97	47764.2	-3910.0	-130.7	-0.33	-0.16	-9.08
	168	-34426.7	3910.0	130.7	0.33	0.72	-7.61
55	97	47078.3	-2145.0	-9090.6	-0.30	21.82	-5.15
	168	-33740.8	2145.0	9090.6	0.30	16.97	-4.01
56	97	46146.1	227.3	-11166.1	-0.16	26.92	0.12
	168	-32808.6	-227.3	11166.1	0.16	20.74	0.85
57	97	44312.5	4857.4	-1444.7	0.28	3.08	10.38
	168	-30975.0	-4857.4	1444.7	-0.28	3.09	10.35
58	97	44656.8	3997.9	-7049.1	0.16	16.83	8.48
	168	-31319.3	-3997.9	7049.1	-0.16	13.26	8.58
1	4	65604.6	2228.2	164.8	-0.10	0.63	4.43
	98	-52604.6	-2228.2	-164.8	0.10	-1.16	2.70
2	4	96967.0	4412.4	454.6	-0.18	0.46	6.84

	98	-83967.0	-4412.4	-454.6	0.18	-1.92	7.28
3	4	106264.3	13239.5	-3540.3	-0.59	6.92	21.50
	98	-93264.3	-13239.5	3135.3	0.59	3.76	20.87
4	4	102502.0	14604.3	-3110.7	-0.11	6.08	26.29
	98	-89502.0	-14332.1	3110.7	0.11	3.87	20.01
5	4	91635.1	10826.3	-1739.0	-0.07	3.87	19.68
	98	-78635.1	-10826.3	1982.0	0.07	2.08	14.96
6	4	95287.7	9160.2	-2267.6	-0.46	4.89	14.86
	98	-82287.7	-9323.5	2267.6	0.46	2.37	14.71
7	4	104547.6	-1634.0	2476.3	-0.36	-2.68	-5.70
	98	-91547.6	1634.0	-2881.3	0.36	-5.89	0.47
8	4	100785.3	-269.2	2905.9	0.13	-3.52	-0.91
	98	-87785.3	541.4	-2905.9	-0.13	-5.77	-0.39
9	4	89918.4	-4047.2	4277.5	0.17	-5.74	-7.52
	98	-76918.4	4047.2	-4034.5	-0.17	-7.56	-5.43
10	4	93571.0	-5713.3	3748.9	-0.23	-4.72	-12.34
	98	-80571.0	5550.1	-3748.9	0.23	-7.28	-5.68
11	4	96209.1	13074.3	-4342.9	-0.75	8.11	21.00
	98	-83209.1	-13074.3	3667.9	0.75	4.71	20.84
12	4	94492.4	-1799.2	1673.6	-0.52	-1.50	-6.20
	98	-81492.4	1799.2	-2348.6	0.52	-4.94	0.44
13	4	89938.6	15348.9	-3627.0	0.06	6.71	28.98
	98	-76938.6	-14895.3	3627.0	-0.06	4.90	19.41
14	4	88221.9	475.4	2389.6	0.29	-2.90	1.78
	98	-75221.8	-21.8	-2389.6	-0.29	-4.75	-0.99
15	4	71827.1	9052.3	-1340.8	0.12	3.02	17.97
	98	-58827.1	-9052.3	1745.8	-0.12	1.92	10.99
16	4	70110.4	-5821.2	4675.7	0.36	-6.59	-9.23
	98	-57110.4	5821.2	-4270.7	-0.36	-7.73	-9.40
17	4	77914.8	6275.4	-2221.9	-0.54	4.71	9.93
	98	-64914.8	-6547.6	2221.9	0.54	2.40	10.58
18	4	76198.1	-8598.1	3794.6	-0.30	-4.89	-17.26
	98	-63198.1	8325.9	-3794.6	0.30	-7.25	-9.81
19	4	91155.4	17105.3	-5690.7	-0.63	10.21	29.36
	98	-78155.4	-17105.3	5285.7	0.63	7.36	25.38
20	4	88294.2	-7684.0	4336.8	-0.24	-5.81	-15.97
	98	-75294.2	7684.0	-4741.8	0.24	-8.72	-8.62
21	4	87393.0	18470.0	-5261.1	-0.15	9.37	34.15
	98	-74393.0	-18197.9	5261.1	0.15	7.47	24.52
22	4	84531.8	-6319.2	4766.4	0.25	-6.65	-11.18
	98	-71531.8	6591.3	-4766.4	-0.25	-8.61	-9.47
23	4	76526.2	14692.1	-3889.4	-0.11	7.15	27.54
	98	-63526.2	-14692.1	4132.4	0.11	5.68	19.47
24	4	73665.0	-10097.2	6138.1	0.28	-8.86	-17.79
	98	-60665.0	10097.2	-5895.1	-0.28	-10.40	-14.52
25	4	80178.8	13025.9	-4418.1	-0.50	8.17	22.72
	98	-67178.8	-13189.2	4418.1	0.50	5.97	19.22
26	4	77317.6	-11763.3	5609.5	-0.11	-7.84	-22.61
	98	-64317.6	11600.0	-5609.5	0.11	-10.11	-14.77
27	4	74606.2	-8329.7	10760.4	-0.30	-16.87	6.07
	98	-64606.2	8329.7	-10760.4	0.30	-17.57	-9.85
28	4	72096.2	2008.9	8635.6	-0.98	-13.39	25.82
	98	-62096.2	-2008.9	-8635.6	0.98	-14.24	3.49
29	4	75743.9	-16150.5	6743.0	0.85	-10.19	-24.98
	98	-65743.9	16150.5	-6743.0	-0.85	-11.39	-19.84
30	4	70026.0	4715.4	-2366.8	0.03	4.79	1.06
	98	-60026.0	-4715.4	2366.8	-0.03	2.78	7.16
31	4	69490.4	3786.9	-7800.8	0.73	13.78	-16.82
	98	-59490.4	-3786.9	7800.8	-0.73	11.18	6.07

32	4	66980.5	14125.5	-9925.6	0.05	17.26	2.92
	98	-56980.5	-14125.5	9925.6	-0.05	14.51	19.40
33	4	67377.5	18311.3	-339.9	-1.41	1.39	40.84
	98	-57377.5	-18311.3	339.9	1.41	-0.30	24.62
34	4	65842.7	21946.3	-5908.2	-1.10	10.59	33.97
	98	-55842.7	-21946.3	5908.2	1.10	8.33	29.40
35	4	60339.2	2169.8	320.8	-0.10	0.25	3.69
	98	-50339.2	-2169.8	-320.8	0.10	-1.28	3.25
36	4	55511.0	2368.7	-433.6	-0.27	1.41	3.60
	98	-45511.0	-2368.7	163.6	0.27	-0.45	3.98
37	4	53002.8	3278.5	-147.2	0.05	0.85	6.79
	98	-43002.8	-3097.1	147.2	-0.05	-0.38	3.41
38	4	45758.2	759.9	767.2	0.08	-0.63	2.39
	98	-35758.2	-759.9	-605.2	-0.08	-1.57	0.05
39	4	48193.3	-350.9	414.8	-0.19	0.05	-0.83
	98	-38193.3	242.0	-414.8	0.19	-1.38	-0.12
40	4	50457.3	6399.6	-1781.4	-0.15	3.51	11.96
	98	-40457.3	-6399.6	1781.4	0.15	2.19	8.52
41	4	49312.8	-3516.1	2229.6	0.00	-2.90	-6.18
	98	-39312.8	3516.1	-2229.6	-0.00	-4.24	-5.07
42	4	70793.3	2897.9	417.4	-0.13	0.20	4.50
	98	-60793.3	-2897.9	-417.4	0.13	-1.53	4.78
43	4	74697.5	3802.9	11091.4	-0.31	-17.41	6.11
	98	-64697.5	-3802.9	-11091.4	0.31	-18.08	-10.39
44	4	72118.9	14549.6	8925.7	-1.00	-13.87	26.64
	98	-62118.9	-14549.6	-8925.7	1.00	-14.69	3.47
45	4	75875.5	-13129.6	6904.2	0.87	-10.46	-26.15
	98	-65875.5	13129.6	-6904.2	-0.87	-11.64	-20.80
46	4	74306.6	-16896.6	1149.5	1.18	-0.96	-33.28
	98	-64306.6	16896.6	-1149.5	-1.18	-2.73	-15.86
47	4	69467.8	-8753.7	-8090.9	0.75	14.26	-17.65
	98	-59467.8	8753.7	8090.9	-0.75	11.63	6.08
48	4	66889.2	1992.9	-10256.6	0.05	17.80	2.88
	98	-56889.2	-1992.9	10256.6	-0.05	15.02	19.94
49	4	67280.0	22692.4	-314.8	-1.44	1.35	42.27
	98	-57280.0	-22692.4	314.8	1.44	-0.34	25.41
50	4	65711.1	18925.4	-6069.5	-1.12	10.85	35.14
	98	-55711.1	-18925.4	6069.5	1.12	8.58	30.35
51	4	53073.0	-7973.3	8917.6	-0.22	-14.04	4.24
	98	-43073.0	7973.3	-8917.6	0.22	-14.50	-10.54
52	4	50986.5	684.0	7145.0	-0.78	-11.14	20.77
	98	-40986.5	-684.0	-7145.0	0.78	-11.73	0.63
53	4	54006.0	-14512.9	5520.6	0.72	-8.39	-21.78
	98	-44006.0	14512.9	-5520.6	-0.72	-9.28	-18.90
54	4	52719.1	-11461.0	836.3	0.98	-0.66	-27.55
	98	-42719.1	11461.0	-836.3	-0.98	-2.02	-14.89
55	4	48783.6	2199.6	-6696.7	0.63	11.75	-14.99
	98	-38783.6	-2199.6	6696.7	-0.63	9.68	2.82
56	4	46697.1	10856.8	-8469.3	0.07	14.64	1.54
	98	-36697.1	-10856.8	8469.3	-0.07	12.46	13.99
57	4	47050.9	14344.6	-388.0	-1.13	1.27	33.33
	98	-37050.9	-14344.6	388.0	1.13	-0.02	18.34
58	4	45764.1	17396.5	-5072.3	-0.87	9.00	27.56
	98	-35764.1	-17396.5	5072.3	0.87	7.23	22.35
1	98	46223.4	10.2	-1727.9	0.09	1.76	3.55
	171	-33223.4	-10.2	1727.9	-0.09	3.77	-3.52
2	98	72067.7	-463.6	-3156.5	0.20	3.17	3.98
	171	-59067.7	463.6	3156.5	-0.20	6.93	-5.46

3	98	71360.0	-2343.9	-2764.3	-0.36	2.54	-0.62
	171	-58360.0	2343.9	2764.3	0.36	6.31	-6.89
4	98	82056.3	5403.6	-2568.5	0.14	1.82	15.69
	171	-69056.3	-4726.5	2568.5	-0.14	6.40	0.52
5	98	72080.9	-2027.8	-672.0	-0.36	-0.90	0.14
	171	-59080.9	2027.8	672.0	0.36	3.05	-6.63
6	98	64843.7	-7638.8	-1049.6	-0.71	0.02	-11.76
	171	-51843.7	7232.5	1049.6	0.71	3.34	-12.03
7	98	71969.4	1062.7	-5829.8	0.75	7.54	7.72
	171	-58969.4	-1062.7	5829.8	-0.75	11.11	-4.32
8	98	82665.7	8810.2	-5634.1	1.25	6.83	24.03
	171	-69665.7	-8133.0	5634.1	-1.25	11.20	3.08
9	98	72690.2	1378.7	-3737.6	0.75	4.10	8.47
	171	-59690.2	-1378.7	3737.6	-0.75	7.86	-4.06
10	98	65453.0	-4232.3	-4115.1	0.40	5.02	-3.42
	171	-52453.0	3826.0	4115.1	-0.40	8.15	-9.47
11	98	58169.2	-2225.0	-2810.4	-0.41	3.08	-1.11
	171	-45169.2	2225.0	2810.4	0.41	5.91	-6.01
12	98	58778.5	1181.5	-5876.0	0.70	8.09	7.23
	171	-45778.5	-1181.5	5876.0	-0.70	10.71	-3.45
13	98	75996.3	10687.5	-2484.1	0.42	1.89	26.07
	171	-62996.3	-9558.9	2484.1	-0.42	6.06	6.33
14	98	76605.7	14094.0	-5549.7	1.53	6.89	34.40
	171	-63605.7	-12965.4	5549.7	-1.53	10.86	8.89
15	98	59370.6	-1698.3	676.7	-0.41	-2.65	0.14
	171	-46370.6	1698.3	-676.7	0.41	0.48	-5.58
16	98	59979.9	1708.3	-2388.8	0.70	2.36	8.48
	171	-46979.9	-1708.3	2388.8	-0.70	5.29	-3.02
17	98	47308.6	-11049.9	47.4	-0.99	-1.12	-19.69
	171	-34308.6	10372.7	-47.4	0.99	0.96	-14.59
18	98	47917.9	-7643.3	-3018.1	0.11	3.89	-11.35
	171	-34917.9	6966.2	3018.1	-0.11	5.77	-12.02
19	98	58234.8	-3242.5	-1028.1	-0.78	0.17	-3.61
	171	-45234.8	3242.5	1028.1	0.78	3.12	-6.77
20	98	59250.3	2435.1	-6137.4	1.07	8.51	10.29
	171	-46250.3	-2435.1	6137.4	-1.07	11.13	-2.50
21	98	68931.1	4505.0	-832.4	-0.28	-0.55	12.70
	171	-55931.1	-3827.8	832.4	0.28	3.21	0.63
22	98	69946.6	10182.6	-5941.7	1.56	7.79	26.59
	171	-56946.6	-9505.4	5941.7	-1.56	11.22	4.91
23	98	58955.6	-2926.5	1064.1	-0.78	-3.27	-2.85
	171	-45955.6	2926.5	-1064.1	0.78	-0.13	-6.51
24	98	59971.1	2751.1	-4045.2	1.07	5.07	11.04
	171	-46971.1	-2751.1	4045.2	-1.07	7.87	-2.24
25	98	51718.4	-8537.4	686.6	-1.13	-2.35	-14.75
	171	-38718.4	8131.1	-686.6	1.13	0.16	-11.92
26	98	52733.9	-2859.9	-4422.7	0.71	5.99	-0.86
	171	-39733.9	2453.6	4422.7	-0.71	8.16	-7.64
27	98	55691.2	-1709.0	7201.5	0.18	-13.67	0.02
	171	-45691.2	1709.0	-7201.5	-0.18	-9.37	-5.48
28	98	52751.4	4010.1	5304.2	-0.54	-10.47	12.01
	171	-42751.4	-4010.1	-5304.2	0.54	-6.50	0.82
29	98	57793.0	-9535.9	3490.4	1.24	-7.42	-16.41
	171	-47793.0	9535.9	-3490.4	-1.24	-3.75	-14.10
30	98	51755.0	-993.8	-4750.2	0.25	6.48	1.50
	171	-41755.0	993.8	4750.2	-0.25	8.72	-4.68
31	98	51897.0	-5008.0	-9726.3	0.84	14.86	-6.94
	171	-41897.0	5008.0	9726.3	-0.84	16.26	-9.09
32	98	48957.1	711.1	-11623.6	0.12	18.06	5.06

	171	-38957.2	-711.1	11623.6	-0.12	19.13	-2.79
33	98	47993.6	9527.7	-2834.1	-1.15	3.25	23.57
	171	-37993.6	-9527.7	2834.1	1.15	5.82	6.92
34	98	46855.3	8538.1	-7912.5	-0.95	11.81	21.49
	171	-36855.3	-8538.1	7912.5	0.95	13.51	5.83
35	98	43709.4	-341.0	-1734.9	0.11	1.73	2.40
	171	-33709.4	341.0	1734.9	-0.11	3.82	-3.49
36	98	34825.9	-301.1	-2019.1	0.08	2.51	1.97
	171	-24825.9	301.1	2019.1	-0.08	3.95	-2.94
37	98	41956.8	4863.9	-1888.6	0.41	2.03	12.84
	171	-31956.8	-4412.5	1888.6	-0.41	4.01	2.00
38	98	35306.5	-90.4	-624.2	0.08	0.22	2.47
	171	-25306.5	90.4	624.2	-0.08	1.78	-2.76
39	98	30481.7	-3831.0	-875.9	-0.16	0.83	-5.46
	171	-20481.7	3560.2	875.9	0.16	1.97	-6.37
40	98	34891.5	-1318.6	-236.8	-0.29	-0.41	-0.53
	171	-24891.5	1318.6	236.8	0.29	1.17	-3.69
41	98	35297.7	952.4	-2280.5	0.44	2.93	5.03
	171	-25297.7	-952.4	2280.5	-0.44	4.37	-1.98
42	98	52324.2	-498.9	-2211.0	0.15	2.20	2.54
	171	-42324.2	498.9	2211.0	-0.15	4.88	-4.13
43	98	55665.3	-1527.4	7503.3	0.15	-14.18	0.40
	171	-45665.3	1527.4	-7503.3	-0.15	-9.83	-5.28
44	98	52866.9	3885.7	5569.2	-0.55	-10.92	11.76
	171	-42866.9	-3885.7	-5569.2	0.55	-6.90	0.68
45	98	57570.8	-9017.3	3636.6	1.21	-7.67	-15.34
	171	-47570.8	9017.3	-3636.6	-1.21	-3.97	-13.52
46	98	56405.7	-10024.1	-1611.7	1.42	1.18	-17.46
	171	-46405.7	10024.1	1611.7	-1.42	3.98	-14.62
47	98	51781.5	-4883.6	-9991.2	0.84	15.31	-6.68
	171	-41781.5	4883.6	9991.2	-0.84	16.66	-8.95
48	98	48983.0	529.5	-11925.3	0.14	18.57	4.68
	171	-38983.0	-529.5	11925.3	-0.14	19.59	-2.99
49	98	48242.7	9026.2	-2810.3	-1.13	3.21	22.54
	171	-38242.7	-9026.2	2810.3	1.13	5.78	6.35
50	98	47077.5	8019.4	-8058.7	-0.92	12.06	20.41
	171	-37077.5	-8019.4	8058.7	0.92	13.73	5.25
51	98	37824.1	-1020.7	6651.0	0.08	-12.08	0.51
	171	-27824.1	1020.7	-6651.0	-0.08	-9.21	-3.77
52	98	35548.8	3374.1	5069.4	-0.48	-9.41	9.73
	171	-25548.8	-3374.1	-5069.4	0.48	-6.82	1.07
53	98	39364.2	-7099.7	3512.9	0.94	-6.79	-12.26
	171	-29364.2	7099.7	-3512.9	-0.94	-4.45	-10.46
54	98	38409.1	-7915.6	-758.4	1.10	0.41	-13.98
	171	-28409.1	7915.6	758.4	-1.10	2.02	-11.35
55	98	34640.4	-3740.2	-7586.8	0.64	11.93	-5.23
	171	-24640.4	3740.2	7586.8	-0.64	12.35	-6.74
56	98	32365.2	654.5	-9168.3	0.07	14.60	4.00
	171	-22365.2	-654.5	9168.3	-0.07	14.74	-1.91
57	98	31780.1	7549.4	-1759.0	-0.95	2.11	18.49
	171	-21780.1	-7549.4	1759.0	0.95	3.52	5.67
58	98	30825.1	6733.6	-6030.3	-0.79	9.31	16.77
	171	-20825.1	-6733.6	6030.3	0.79	9.99	4.78
1	5	46731.0	-124.8	1741.3	-0.13	-1.85	3.21
	99	-33731.0	124.8	-1741.3	0.13	-3.72	-3.61
2	5	72631.3	-520.8	3230.1	-0.24	-3.34	3.63
	99	-59631.3	520.8	-3230.1	0.24	-7.00	-5.30
3	5	69790.3	-4628.6	9492.6	-0.16	-13.74	-5.74

	99	-56790.3	4628.6	-9492.6	0.16	-16.63	-9.08
4	5	79442.1	2600.6	11045.3	-0.64	-15.86	9.41
	99	-66442.1	-1972.1	-11045.3	0.64	-19.48	-2.10
5	5	68958.2	-4758.1	11530.8	-0.10	-17.14	-6.01
	99	-55958.2	4758.1	-11530.8	0.10	-19.76	-9.22
6	5	62740.1	-10181.3	10134.1	0.22	-15.16	-17.44
	99	-49740.1	9804.1	-10134.1	-0.22	-17.27	-14.53
7	5	76381.5	3728.8	-5252.2	-0.39	10.77	13.30
	99	-63381.5	-3728.8	5252.2	0.39	6.04	-1.37
8	5	86033.3	10958.0	-3699.4	-0.87	8.65	28.45
	99	-73033.3	-10329.5	3699.4	0.87	3.19	5.61
9	5	75549.4	3599.3	-3213.9	-0.33	7.37	13.03
	99	-62549.4	-3599.3	3213.9	0.33	2.91	-1.51
10	5	69331.2	-1823.9	-4610.6	-0.01	9.35	1.59
	99	-56331.2	1446.7	4610.6	0.01	5.40	-6.82
11	5	57143.2	-4383.3	8008.2	-0.13	-11.77	-5.85
	99	-44143.2	4383.3	-8008.2	0.13	-13.86	-8.18
12	5	63734.4	3974.0	-6736.5	-0.35	12.74	13.18
	99	-50734.4	-3974.0	6736.5	0.35	8.82	-0.47
13	5	73229.5	7665.4	10596.2	-0.93	-15.30	19.40
	99	-60229.5	-6617.8	-10596.2	0.93	-18.60	3.46
14	5	79820.7	16022.8	-4148.6	-1.16	9.21	38.43
	99	-66820.7	-14975.2	4148.6	1.16	4.07	11.17
15	5	55756.4	-4599.2	11405.3	-0.03	-17.43	-6.30
	99	-42756.4	4599.2	-11405.3	0.03	-19.07	-8.42
16	5	62347.6	3758.2	-3339.4	-0.26	7.08	12.73
	99	-49347.6	-3758.2	3339.4	0.26	3.60	-0.71
17	5	45392.8	-13637.7	9077.5	0.51	-14.13	-25.36
	99	-32392.8	13009.2	-9077.5	-0.51	-14.92	-17.27
18	5	51983.9	-5280.3	-5667.3	0.28	10.38	-6.33
	99	-38983.9	4651.8	5667.3	-0.28	7.75	-9.56
19	5	54643.1	-7216.4	13663.1	-0.03	-21.17	-12.29
	99	-41643.1	7216.4	-13663.1	0.03	-22.55	-10.80
20	5	65628.4	6712.6	-10911.5	-0.41	19.68	19.43
	99	-52628.4	-6712.6	10911.5	0.41	15.24	2.05
21	5	64294.9	12.9	15215.8	-0.51	-23.29	2.85
	99	-51294.9	615.7	-15215.8	0.51	-25.40	-3.82
22	5	75280.2	13941.8	-9358.7	-0.89	17.56	34.58
	99	-62280.2	-13313.3	9358.7	0.89	12.39	9.03
23	5	53811.0	-7345.9	15701.3	0.03	-24.56	-12.56
	99	-40811.0	7345.9	-15701.3	-0.03	-25.68	-10.94
24	5	64796.3	6583.1	-8873.2	-0.35	16.28	19.16
	99	-51796.3	-6583.1	8873.2	0.35	12.11	1.91
25	5	47592.8	-12769.0	14304.6	0.35	-22.59	-24.00
	99	-34592.8	12391.9	-14304.6	-0.35	-23.19	-16.26
26	5	58578.1	1159.9	-10269.9	-0.03	18.26	7.72
	99	-45578.1	-1537.1	10269.9	0.03	14.60	-3.41
27	5	51004.7	-4069.1	11914.4	-0.14	-18.38	-5.15
	99	-41004.7	4069.1	-11914.4	0.14	-19.75	-7.87
28	5	47892.9	1187.6	9960.2	-0.62	-15.13	5.89
	99	-37892.9	-1187.6	-9960.2	0.62	-16.74	-2.09
29	5	56946.5	-9555.2	8133.2	0.57	-12.08	-16.64
	99	-46946.5	9555.2	-8133.2	-0.57	-13.95	-13.94
30	5	53741.4	-239.9	-319.1	-0.11	1.98	2.95
	99	-43741.4	239.9	319.1	0.11	-0.96	-3.71
31	5	57608.6	-2221.6	-5403.1	0.28	10.44	-1.18
	99	-47608.6	2221.6	5403.1	-0.28	6.85	-5.93
32	5	54496.8	3035.1	-7357.4	-0.20	13.68	9.86
	99	-44496.8	-3035.1	7357.4	0.20	9.86	-0.14

33	5	46573.8	7967.0	1619.1	-1.04	-1.26	20.15
	99	-36573.8	-7967.0	-1619.1	1.04	-3.92	5.34
34	5	48555.0	8521.2	-3576.2	-0.91	7.38	21.34
	99	-38555.0	-8521.2	3576.2	0.91	4.06	5.93
35	5	44117.3	-385.0	1782.3	-0.13	-1.85	2.21
	99	-34117.3	385.0	-1782.3	0.13	-3.85	-3.44
36	5	35786.9	-205.7	546.0	-0.12	-0.12	2.17
	99	-25786.9	205.7	-546.0	0.12	-1.62	-2.83
37	5	42221.5	4613.8	1581.2	-0.44	-1.54	12.27
	99	-32221.5	-4194.8	-1581.2	0.44	-3.52	1.83
38	5	35232.2	-292.0	1904.9	-0.08	-2.39	1.99
	99	-25232.2	292.0	-1904.9	0.08	-3.71	-2.92
39	5	31086.7	-3907.5	973.7	0.14	-1.07	-5.64
	99	-21086.7	3656.0	-973.7	-0.14	-2.05	-6.46
40	5	33286.8	-3038.8	6200.9	-0.02	-9.53	-4.28
	99	-23286.8	3038.8	-6200.9	0.02	-10.32	-5.45
41	5	37680.9	2532.8	-3628.9	-0.17	6.81	8.41
	99	-27680.9	-2532.8	3628.9	0.17	4.80	-0.31
42	5	52750.8	-517.0	2278.5	-0.17	-2.35	2.35
	99	-42750.8	517.0	-2278.5	0.17	-4.95	-4.01
43	5	50760.8	-3831.2	12223.1	-0.16	-18.89	-4.66
	99	-40760.8	3831.2	-12223.1	0.16	-20.22	-7.61
44	5	47915.6	966.1	10231.7	-0.62	-15.58	5.42
	99	-37915.6	-966.1	-10231.7	0.62	-17.16	-2.33
45	5	56469.0	-8787.2	8282.1	0.54	-12.32	-15.03
	99	-46469.0	8787.2	-8282.1	-0.54	-14.18	-13.09
46	5	58516.5	-8237.9	2912.8	0.67	-3.39	-13.85
	99	-48516.5	8237.9	-2912.8	-0.67	-5.93	-12.51
47	5	57585.9	-2000.1	-5674.7	0.28	10.89	-0.71
	99	-47585.9	2000.1	5674.7	-0.28	7.27	-5.69
48	5	54740.7	2797.2	-7666.1	-0.19	14.20	9.36
	99	-44740.7	-2797.2	7666.1	0.19	10.33	-0.41
49	5	46985.0	7203.9	1644.3	-1.01	-1.30	18.55
	99	-36985.0	-7203.9	-1644.3	1.01	-3.96	4.50
50	5	49032.5	7753.2	-3725.1	-0.88	7.63	19.73
	99	-39032.5	-7753.2	3725.1	0.88	4.29	5.08
51	5	33868.1	-2954.9	9383.8	-0.08	-14.83	-3.64
	99	-23868.1	2954.9	-9383.8	0.08	-15.20	-5.81
52	5	31554.5	951.3	7754.9	-0.46	-12.12	4.56
	99	-21554.5	-951.3	-7754.9	0.46	-12.69	-1.51
53	5	38508.1	-6987.9	6185.7	0.48	-9.50	-12.09
	99	-28508.1	6987.9	-6185.7	-0.48	-10.30	-10.28
54	5	40171.6	-6538.6	1815.7	0.58	-2.23	-11.12
	99	-30171.6	6538.6	-1815.7	-0.58	-3.58	-9.80
55	5	39413.2	-1457.3	-5182.9	0.27	9.41	-0.42
	99	-29413.2	1457.3	5182.9	-0.27	7.17	-4.24
56	5	37099.6	2448.9	-6811.8	-0.11	12.12	7.78
	99	-27099.6	-2448.9	6811.8	0.11	9.68	0.06
57	5	30796.1	6032.7	756.3	-0.77	-0.48	15.26
	99	-20796.1	-6032.7	-756.3	0.77	-1.93	4.05
58	5	32459.6	6482.0	-3613.7	-0.67	6.79	16.22
	99	-22459.6	-6482.0	3613.7	0.67	4.78	4.52
1	99	25585.7	-66.4	752.3	-0.02	-1.09	2.92
	175	-12585.7	66.4	-752.3	0.02	-1.32	-3.13
2	99	31246.2	-239.2	1207.2	-0.05	-1.67	3.11
	175	-18246.2	239.2	-1207.2	0.05	-2.19	-3.88
3	99	37196.4	-2542.7	8796.6	-0.11	-14.77	-2.18
	175	-24196.4	2542.7	-8796.6	0.11	-13.38	-5.96

4	99	38664.3	1249.2	9733.4	-0.43	-16.28	5.99
	175	-25664.3	-1025.6	-9733.4	0.43	-14.87	-2.35
5	99	38246.4	-2203.3	10489.7	-0.01	-17.67	-1.42
	175	-25246.4	2203.3	-10489.7	0.01	-15.89	-5.63
6	99	37598.6	-5467.0	9590.9	0.19	-16.20	-8.44
	175	-24598.6	5332.9	-9590.9	-0.19	-14.49	-8.84
7	99	24153.3	1692.1	-8227.6	-0.10	14.59	7.57
	175	-11153.3	-1692.1	8227.6	0.10	11.74	-2.15
8	99	25621.2	5484.1	-7290.8	-0.42	13.07	15.73
	175	-12621.2	-5260.5	7290.8	0.42	10.26	1.46
9	99	25203.3	2031.6	-6534.5	0.01	11.68	8.33
	175	-12203.3	-2031.6	6534.5	-0.01	9.23	-1.83
10	99	24555.5	-1232.1	-7433.3	0.21	13.16	1.31
	175	-11555.5	1098.0	7433.3	-0.21	10.63	-5.03
11	99	33985.3	-2580.5	7954.0	-0.14	-13.42	-2.55
	175	-20985.3	2580.5	-7954.0	0.14	-12.03	-5.70
12	99	20942.2	1654.4	-9070.2	-0.12	15.93	7.19
	175	-7942.2	-1654.4	9070.2	0.12	13.09	-1.90
13	99	36431.8	3739.4	9515.4	-0.68	-15.94	11.05
	175	-23431.8	-3366.8	-9515.4	0.68	-14.51	0.32
14	99	23388.7	7974.3	-7508.8	-0.66	13.41	20.80
	175	-10388.7	-7601.7	7508.8	0.66	10.61	4.12
15	99	35735.3	-2014.7	10775.8	0.03	-18.26	-1.29
	175	-22735.3	2014.7	-10775.8	-0.03	-16.22	-5.16
16	99	22692.2	2220.2	-6248.4	0.05	11.09	8.46
	175	-9692.2	-2220.2	6248.4	-0.05	8.90	-1.35
17	99	34655.7	-7454.2	9277.9	0.37	-15.80	-12.99
	175	-21655.7	7230.6	-9277.9	-0.37	-13.89	-10.51
18	99	21612.6	-3219.4	-7746.3	0.39	13.55	-3.24
	175	-8612.6	2995.8	7746.3	-0.39	11.24	-6.70
19	99	38713.9	-3868.0	14243.9	-0.11	-24.26	-5.52
	175	-25713.9	3868.0	-14243.9	0.11	-21.32	-6.85
20	99	16975.4	3190.1	-14129.8	-0.08	24.66	10.72
	175	-3975.4	-3190.1	14129.8	0.08	20.55	-0.51
21	99	40181.8	-76.0	15180.7	-0.43	-25.77	2.64
	175	-27181.8	299.6	-15180.7	0.43	-22.81	-3.24
22	99	18443.3	6982.1	-13193.0	-0.40	23.15	18.88
	175	-5443.3	-6758.5	13193.0	0.40	19.07	3.10
23	99	39763.9	-3528.5	15937.0	-0.00	-27.16	-4.77
	175	-26763.9	3528.5	-15937.0	0.00	-23.83	-6.53
24	99	18025.4	3529.6	-12436.7	0.02	21.76	11.48
	175	-5025.4	-3529.6	12436.7	-0.02	18.04	-0.18
25	99	39116.1	-6792.2	15038.2	0.20	-25.69	-11.79
	175	-26116.1	6658.1	-15038.2	-0.20	-22.43	-9.73
26	99	17377.6	265.9	-13335.4	0.23	23.23	4.46
	175	-4377.6	-400.0	13335.4	-0.23	19.44	-3.39
27	99	29058.1	-417.1	8639.6	-0.09	-14.58	2.03
	175	-19058.1	417.1	-8639.6	0.09	-13.07	-3.36
28	99	26980.3	2725.4	7038.4	-0.45	-11.82	8.71
	175	-16980.3	-2725.4	-7038.4	0.45	-10.70	0.01
29	99	28205.9	-5057.1	5601.9	0.50	-9.34	-7.99
	175	-18205.9	5057.1	-5601.9	-0.50	-8.58	-8.20
30	99	21934.7	-654.2	-1271.7	0.04	2.49	1.24
	175	-11934.7	654.2	1271.7	-0.04	1.58	-3.34
31	99	19697.3	-3199.2	-5376.8	0.39	9.56	-4.32
	175	-9697.3	3199.2	5376.8	-0.39	7.65	-5.92
32	99	17619.5	-56.7	-6978.0	0.02	12.31	2.36
	175	-7619.5	56.7	6978.0	-0.02	10.02	-2.54
33	99	21280.0	5417.9	264.6	-0.70	-0.17	14.28

	175	-11280.0	-5417.9	-264.6	0.70	-0.68	3.06
34	99	18471.8	4583.3	-3940.3	-0.56	7.07	12.38
	175	-8471.7	-4583.3	3940.3	0.56	5.54	2.29
35	99	21452.0	-179.3	679.2	-0.02	-0.94	2.13
	175	-11452.0	179.3	-679.2	0.02	-1.23	-2.70
36	99	19184.3	-245.9	-87.6	-0.05	0.31	1.79
	175	-9184.3	245.9	87.6	0.05	-0.03	-2.57
37	99	20162.9	2282.1	537.0	-0.27	-0.70	7.23
	175	-10162.9	-2133.1	-537.0	0.27	-1.02	-0.17
38	99	19884.3	-19.5	1041.2	0.02	-1.62	2.29
	175	-9884.3	19.5	-1041.2	-0.02	-1.71	-2.36
39	99	19452.4	-2195.3	442.0	0.15	-0.64	-2.39
	175	-9452.4	2105.9	-442.0	-0.15	-0.77	-4.50
40	99	23912.8	-1533.4	6202.3	-0.02	-10.53	-1.18
	175	-13912.8	1533.4	-6202.3	0.02	-9.32	-3.72
41	99	15217.4	1289.9	-5147.2	-0.01	9.04	5.31
	175	-5217.4	-1289.9	5147.2	0.01	7.43	-1.19
42	99	23338.8	-236.9	830.8	-0.03	-1.13	2.19
	175	-13338.8	236.9	-830.8	0.03	-1.52	-2.95
43	99	29152.4	-224.9	8886.7	-0.09	-15.00	2.45
	175	-19152.4	224.9	-8886.7	0.09	-13.43	-3.17
44	99	27200.0	2589.7	7258.3	-0.46	-12.20	8.44
	175	-17200.0	-2589.7	-7258.3	0.46	-11.02	-0.15
45	99	28044.0	-4502.2	5717.3	0.51	-9.54	-6.81
	175	-18044.0	4502.2	-5717.3	-0.51	-8.76	-7.60
46	99	25141.6	-5353.8	1372.3	0.65	-2.06	-8.76
	175	-15141.6	5353.8	-1372.3	-0.65	-2.33	-8.37
47	99	19477.6	-3063.6	-5596.7	0.40	9.93	-4.05
	175	-9477.6	3063.6	5596.7	-0.40	7.97	-5.76
48	99	17525.2	-248.9	-7225.2	0.03	12.73	1.94
	175	-7525.2	248.9	7225.2	-0.03	10.39	-2.74
49	99	21536.0	4879.9	289.3	-0.72	-0.21	13.15
	175	-11536.0	-4879.9	-289.3	0.72	-0.72	2.47
50	99	18633.6	4028.3	-4055.8	-0.57	7.27	11.20
	175	-8633.6	-4028.3	4055.8	0.57	5.71	1.69
51	99	24299.2	-113.1	7088.3	-0.06	-12.04	2.27
	175	-14299.2	113.1	-7088.3	0.06	-10.65	-2.63
52	99	22705.3	2177.1	5755.9	-0.36	-9.75	7.14
	175	-12705.3	-2177.1	-5755.9	0.36	-8.67	-0.17
53	99	23402.7	-3592.7	4516.6	0.42	-7.61	-5.26
	175	-13402.7	3592.7	-4516.6	-0.42	-6.85	-6.23
54	99	21040.5	-4285.0	979.9	0.54	-1.52	-6.85
	175	-11040.5	4285.0	-979.9	-0.54	-1.62	-6.87
55	99	16425.0	-2420.6	-4700.8	0.33	8.26	-3.01
	175	-6425.0	2420.6	4700.8	-0.33	6.78	-4.74
56	99	14831.1	-130.4	-6033.2	0.03	10.55	1.86
	175	-4831.1	130.4	6033.2	-0.03	8.76	-2.28
57	99	18089.8	4041.5	75.2	-0.57	0.03	10.98
	175	-8089.8	-4041.5	-75.2	0.57	-0.27	1.96
58	99	15727.6	3349.2	-3461.5	-0.45	6.12	9.39
	175	-5727.6	-3349.2	3461.5	0.45	4.96	1.32
1	6	40712.8	-1541.8	-137.1	0.04	0.01	-2.05
	100	-24462.8	1541.8	137.1	-0.04	0.54	-4.12
2	6	51690.9	-1441.6	-394.2	0.06	0.55	-1.79
	100	-35440.9	1441.6	394.2	-0.06	1.03	-3.98
3	6	59585.6	-3360.3	-3243.0	0.18	7.14	-6.18
	100	-43335.6	3360.3	2635.5	-0.18	4.61	-7.26
4	6	53558.2	-2716.7	-2444.0	0.20	5.90	-4.55

	100	-37308.2	2716.7	2444.0	-0.20	3.88	-6.32
5	6	47424.2	-3862.4	-325.2	0.33	1.76	-7.44
	100	-31174.2	3862.4	1337.7	-0.33	1.57	-8.01
6	6	52360.2	-4445.3	-1676.5	0.25	3.93	-8.92
	100	-36110.2	4445.3	1676.5	-0.25	2.77	-8.87
7	6	57598.7	1035.1	-337.7	-0.23	-0.50	4.00
	100	-41348.7	-1035.1	-269.8	0.23	0.63	0.14
8	6	51571.3	1678.7	461.2	-0.21	-1.74	5.63
	100	-35321.3	-1678.7	-461.2	0.21	-0.10	1.08
9	6	45437.4	533.0	2580.0	-0.08	-5.89	2.74
	100	-29187.4	-533.0	-1567.5	0.08	-2.41	-0.61
10	6	50373.3	-49.9	1228.7	-0.15	-3.71	1.26
	100	-34123.3	49.9	-1228.7	0.15	-1.21	-1.46
11	6	58697.4	-3224.4	-4045.1	0.11	8.72	-5.84
	100	-42447.4	3224.4	3032.6	-0.11	5.43	-7.05
12	6	56710.5	1171.0	-1139.9	-0.29	1.08	4.33
	100	-40460.6	-1171.0	127.4	0.29	1.45	0.35
13	6	48651.8	-2151.8	-2713.4	0.15	6.65	-3.12
	100	-32401.8	2151.8	2713.4	-0.15	4.21	-5.49
14	6	46664.9	2243.6	191.8	-0.26	-0.99	7.06
	100	-30414.9	-2243.6	-191.8	0.26	0.23	1.91
15	6	38428.5	-4061.2	817.9	0.36	-0.26	-7.94
	100	-22178.5	4061.2	869.6	-0.36	0.36	-8.31
16	6	36441.6	334.2	3723.1	-0.04	-7.90	2.24
	100	-20191.6	-334.2	-2035.6	0.04	-3.62	-0.90
17	6	46655.1	-5032.7	-1434.3	0.24	3.37	-10.40
	100	-30405.1	5032.7	1434.3	-0.24	2.36	-9.73
18	6	44668.2	-637.3	1470.9	-0.17	-4.27	-0.23
	100	-28418.2	637.3	-1470.9	0.17	-1.62	-2.32
19	6	54758.9	-4875.5	-4082.8	0.30	9.42	-9.70
	100	-38508.9	4875.5	3475.3	-0.30	5.69	-9.80
20	6	51447.4	2450.1	759.2	-0.37	-3.31	7.26
	100	-35197.4	-2450.1	-1366.7	0.37	-0.94	2.54
21	6	48731.5	-4232.0	-3283.8	0.33	8.18	-8.07
	100	-32481.5	4232.0	3283.8	-0.33	4.96	-8.86
22	6	45420.0	3093.7	1558.2	-0.35	-4.56	8.90
	100	-29170.0	-3093.7	-1558.2	0.35	-1.67	3.48
23	6	42597.5	-5377.6	-1165.0	0.45	4.03	-10.96
	100	-26347.5	5377.6	2177.5	-0.45	2.65	-10.55
24	6	39286.0	1948.0	3677.0	-0.22	-8.70	6.00
	100	-23036.0	-1948.0	-2664.5	0.22	-3.98	1.79
25	6	47533.5	-5960.5	-2516.3	0.38	6.21	-12.44
	100	-31283.5	5960.5	2516.3	-0.38	3.85	-11.40
26	6	44222.0	1365.1	2325.7	-0.30	-6.52	4.53
	100	-27972.0	-1365.1	-2325.7	0.30	-2.78	0.94
27	6	35152.9	-6744.6	2207.6	-0.51	-5.47	-15.68
	100	-22652.9	6744.6	-2207.6	0.51	-3.37	-11.30
28	6	34406.7	-2146.7	1786.3	-0.21	-4.48	-3.91
	100	-21906.7	2146.7	-1786.3	0.21	-2.67	-4.68
29	6	38634.1	-9772.5	1061.9	-0.59	-2.75	-23.52
	100	-26134.1	9772.5	-1061.9	0.59	-1.50	-15.57
30	6	39628.1	-106.8	-1043.6	0.16	2.20	1.15
	100	-27128.1	106.8	1043.6	-0.16	1.97	-1.58
31	6	42611.9	-69.5	-2470.1	0.28	5.58	1.16
	100	-30111.9	69.5	2470.1	-0.28	4.30	-1.43
32	6	41865.6	4528.4	-2891.4	0.59	6.56	12.93
	100	-29365.6	-4528.4	2891.4	-0.59	5.00	5.19
33	6	36146.7	5553.8	-342.4	0.42	0.53	15.72
	100	-23646.7	-5553.8	342.4	-0.42	0.84	6.50

34	6	38384.4	7556.3	-1745.7	0.66	3.85	20.77
	100	-25884.4	-7556.3	1745.7	-0.66	3.14	9.46
35	6	34849.9	-1141.5	-256.2	0.03	0.37	-1.46
	100	-22349.9	1141.5	256.2	-0.03	0.66	-3.10
36	6	35791.4	-988.9	-1101.2	-0.03	2.04	-1.08
	100	-23291.4	988.9	696.2	0.03	1.56	-2.87
37	6	31773.1	-559.9	-568.5	-0.02	1.21	0.01
	100	-19273.1	559.9	568.5	0.02	1.07	-2.25
38	6	27683.8	-1323.6	844.0	0.07	-1.55	-1.92
	100	-15183.8	1323.6	-169.0	-0.07	-0.47	-3.38
39	6	30974.4	-1712.2	-56.9	0.02	-0.10	-2.91
	100	-18474.4	1712.2	56.9	-0.02	0.33	-3.94
40	6	31852.8	-2640.0	-1138.8	0.16	2.74	-4.94
	100	-19352.8	2640.0	1138.8	-0.16	1.82	-5.62
41	6	30528.2	290.2	798.0	-0.11	-2.36	1.84
	100	-18028.2	-290.2	-798.0	0.11	-0.83	-0.68
42	6	38509.3	-1108.1	-341.9	0.04	0.55	-1.38
	100	-26009.3	1108.1	341.9	-0.04	0.82	-3.06
43	6	35189.5	-6921.4	2181.2	-0.51	-5.41	-16.14
	100	-22689.5	6921.4	-2181.2	0.51	-3.32	-11.55
44	6	34434.3	-2126.2	1764.2	-0.20	-4.43	-3.86
	100	-21934.3	2126.2	-1764.2	0.20	-2.63	-4.65
45	6	38658.8	-10124.8	1047.5	-0.60	-2.72	-24.43
	100	-26158.8	10124.8	-1047.5	0.60	-1.47	-16.07
46	6	40877.2	-8075.4	-341.3	-0.37	0.56	-19.25
	100	-28377.2	8075.4	341.3	0.37	0.80	-13.05
47	6	42584.2	-90.0	-2448.0	0.27	5.53	1.11
	100	-30084.2	90.0	2448.0	-0.27	4.26	-1.46
48	6	41829.0	4705.2	-2865.0	0.58	6.50	13.39
	100	-29329.0	-4705.2	2865.0	-0.58	4.96	5.44
49	6	36141.3	5859.3	-342.5	0.44	0.53	16.50
	100	-23641.3	-5859.3	342.5	-0.44	0.84	6.93
50	6	38359.8	7908.7	-1731.3	0.67	3.82	21.68
	100	-25859.8	-7908.7	1731.3	-0.67	3.11	9.96
51	6	28486.3	-5897.4	1887.5	-0.42	-4.67	-13.54
	100	-15986.3	5897.4	-1887.5	0.42	-2.88	-10.06
52	6	27879.8	-2032.3	1546.5	-0.17	-3.87	-3.64
	100	-15379.8	2032.3	-1546.5	0.17	-2.32	-4.49
53	6	31299.1	-8453.8	964.1	-0.49	-2.48	-20.15
	100	-18799.1	8453.8	-964.1	0.49	-1.38	-13.66
54	6	33103.6	-6779.8	-168.3	-0.30	0.20	-15.93
	100	-20603.6	6779.8	168.3	0.30	0.48	-11.19
55	6	34501.3	-317.5	-1887.4	0.22	4.25	0.54
	100	-22001.3	317.5	1887.4	-0.22	3.30	-1.81
56	6	33894.8	3547.7	-2228.4	0.47	5.05	10.44
	100	-21394.8	-3547.7	2228.4	-0.47	3.87	3.76
57	6	29277.5	4430.1	-172.5	0.35	0.18	12.83
	100	-16777.5	-4430.1	172.5	-0.35	0.51	4.89
58	6	31082.0	6104.0	-1305.0	0.54	2.86	17.06
	100	-18582.0	-6104.0	1305.0	-0.54	2.36	7.36
1	100	14119.5	-5210.0	-79.7	-0.16	-0.61	-5.31
	177	-9910.7	5210.0	79.7	0.16	0.69	-0.09
2	100	25031.9	-5378.4	-320.1	-0.13	-1.10	-5.31
	177	-20823.1	5378.4	320.1	0.13	1.44	-0.26
3	100	33960.7	-3616.6	-1784.1	-1.06	-4.92	-3.07
	177	-29751.9	3616.6	1626.7	1.06	6.69	-0.68
4	100	28083.3	-3014.3	-2014.1	-0.74	-4.16	-2.82
	177	-23874.6	3014.3	2014.1	0.74	6.25	-0.30

5	100	21765.8	-3726.5	-1350.0	-1.25	-2.08	-3.14
	177	-17557.1	3726.5	1612.2	1.25	3.62	-0.72
6	100	26578.3	-4191.2	-1085.8	-1.45	-3.23	-3.34
	177	-22369.5	4191.2	1085.8	1.45	4.36	-1.00
7	100	29941.0	-7018.5	156.4	1.03	-0.25	-7.47
	177	-25732.3	7018.5	-313.8	-1.03	0.00	0.20
8	100	24063.7	-6416.3	-73.6	1.35	0.51	-7.22
	177	-19854.9	6416.3	73.6	-1.35	-0.44	0.57
9	100	17746.2	-7128.4	590.6	0.83	2.59	-7.54
	177	-13537.4	7128.4	-328.3	-0.83	-3.07	0.16
10	100	22558.6	-7593.1	854.7	0.63	1.44	-7.74
	177	-18349.8	7593.1	-854.7	-0.63	-2.33	-0.13
11	100	33117.1	-3491.8	-1993.1	-1.00	-5.66	-3.04
	177	-28908.4	3491.8	1730.8	1.00	7.59	-0.57
12	100	29097.4	-6893.8	-52.5	1.08	-0.98	-7.44
	177	-24888.7	6893.8	-209.7	-1.08	0.90	0.30
13	100	23321.5	-2488.1	-2376.4	-0.46	-4.39	-2.63
	177	-19112.8	2488.1	2376.4	0.46	6.85	0.05
14	100	19301.8	-5890.0	-435.9	1.62	0.28	-7.03
	177	-15093.1	5890.0	435.9	-1.62	0.17	0.93
15	100	12792.4	-3674.9	-1269.5	-1.32	-0.93	-3.16
	177	-8583.6	3674.9	1706.6	1.32	2.47	-0.65
16	100	8772.7	-7076.8	671.0	0.77	3.74	-7.56
	177	-4564.0	7076.8	-234.0	-0.77	-4.21	0.23
17	100	20813.1	-4449.5	-829.2	-1.66	-2.84	-3.49
	177	-16604.3	4449.5	829.2	1.66	3.70	-1.12
18	100	16793.4	-7851.4	1111.3	0.42	1.83	-7.89
	177	-12584.6	7851.4	-1111.3	-0.42	-2.98	-0.24
19	100	29844.4	-2398.4	-2310.7	-1.77	-6.23	-1.60
	177	-25635.6	2398.4	2153.4	1.77	8.54	-0.88
20	100	23144.9	-8068.3	923.5	1.71	1.56	-8.94
	177	-18936.2	8068.3	-1080.8	-1.71	-2.60	0.58
21	100	23967.0	-1796.2	-2540.7	-1.45	-5.47	-1.35
	177	-19758.3	1796.2	2540.7	1.45	8.10	-0.51
22	100	17267.6	-7466.0	693.5	2.03	2.32	-8.69
	177	-13058.8	7466.0	-693.5	-2.03	-3.04	0.95
23	100	17649.5	-2508.3	-1876.6	-1.96	-3.39	-1.67
	177	-13440.8	2508.3	2138.9	1.96	5.47	-0.92
24	100	10950.1	-8178.1	1357.6	1.52	4.40	-9.01
	177	-6741.3	8178.1	-1095.4	-1.52	-5.67	0.53
25	100	22461.9	-2973.0	-1612.4	-2.16	-4.54	-1.87
	177	-18253.2	2973.0	1612.4	2.16	6.21	-1.21
26	100	15762.5	-8642.9	1621.8	1.31	3.25	-9.20
	177	-11553.7	8642.9	-1621.8	-1.31	-4.93	0.25
27	100	13762.8	-3613.8	-1188.3	0.98	3.34	-3.82
	177	-10525.3	3613.8	1188.3	-0.98	-2.11	0.10
28	100	14450.9	-207.9	-1031.3	2.45	2.66	-2.02
	177	-11213.4	207.9	1031.3	-2.45	-1.59	1.83
29	100	15694.6	-9115.0	-801.5	-2.00	1.42	-6.74
	177	-12457.1	9115.0	801.5	2.00	-0.60	-2.70
30	100	19185.5	-4747.9	-51.4	-0.62	-2.03	-4.42
	177	-15948.0	4747.9	51.4	0.62	2.08	-0.50
31	100	21576.0	-7978.4	440.1	-2.62	-4.40	-6.13
	177	-18338.5	7978.4	-440.1	2.62	3.94	-2.16
32	100	22264.2	-4572.6	597.0	-1.14	-5.07	-4.33
	177	-19026.7	4572.6	-597.0	1.14	4.46	-0.43
33	100	17988.4	2238.0	-278.3	2.92	-0.83	-0.72
	177	-14750.9	-2238.0	278.3	-2.92	1.13	3.05
34	100	20332.3	928.6	210.2	1.84	-3.15	-1.41

	177	-17094.8	-928.6	-210.2	-1.84	2.95	2.37
35	100	14376.0	-4037.0	-215.5	-0.09	-0.70	-4.08
	177	-11138.5	4037.0	215.5	0.09	0.93	-0.11
36	100	15351.2	-3940.3	-464.5	-0.03	-1.52	-4.05
	177	-12113.7	3940.3	359.6	0.03	1.95	-0.03
37	100	11432.9	-3538.8	-617.9	0.19	-1.02	-3.88
	177	-8195.4	3538.8	617.9	-0.19	1.66	0.22
38	100	7221.3	-4013.6	-175.1	-0.16	0.37	-4.10
	177	-3983.8	4013.6	349.9	0.16	-0.10	-0.06
39	100	10429.6	-4323.4	1.0	-0.29	-0.40	-4.23
	177	-7192.1	4323.4	-1.0	0.29	0.40	-0.25
40	100	12078.4	-2846.9	-782.2	-0.80	-2.09	-2.61
	177	-8840.9	2846.9	782.2	0.80	2.90	-0.34
41	100	9398.7	-5114.9	511.5	0.59	1.02	-5.54
	177	-6161.2	5114.9	-511.5	-0.59	-1.55	0.24
42	100	18013.5	-4093.2	-295.6	-0.08	-0.87	-4.08
	177	-14776.0	4093.2	295.6	0.08	1.17	-0.17
43	100	13795.3	-3595.3	-1186.8	1.02	3.31	-3.81
	177	-10557.8	3595.3	1186.8	-1.02	-2.09	0.10
44	100	14479.2	-20.4	-1028.0	2.56	2.64	-1.91
	177	-11241.7	20.4	1028.0	-2.56	-1.57	1.91
45	100	15710.9	-9365.7	-803.8	-2.10	1.41	-6.87
	177	-12473.4	9365.7	803.8	2.10	-0.59	-2.83
46	100	18036.6	-10736.9	-316.8	-3.22	-0.90	-7.60
	177	-14799.1	10736.9	316.8	3.22	1.22	-3.53
47	100	21547.8	-8166.0	436.8	-2.73	-4.37	-6.24
	177	-18310.3	8166.0	-436.8	2.73	3.92	-2.24
48	100	22231.7	-4591.1	595.6	-1.18	-5.05	-4.35
	177	-18994.2	4591.1	-595.6	1.18	4.44	-0.43
49	100	17990.4	2550.5	-274.5	3.06	-0.84	-0.55
	177	-14752.9	-2550.5	274.5	-3.06	1.13	3.20
50	100	20316.1	1179.3	212.6	1.93	-3.14	-1.28
	177	-17078.6	-1179.3	-212.6	-1.93	2.93	2.50
51	100	7298.3	-3585.5	-862.4	0.78	2.87	-3.86
	177	-4060.8	3585.5	862.4	-0.78	-1.98	0.17
52	100	7857.7	-713.3	-732.4	2.02	2.32	-2.34
	177	-4620.2	713.3	732.4	-2.02	-1.56	1.62
53	100	8857.9	-8218.4	-550.6	-1.71	1.32	-6.32
	177	-5620.4	8218.4	550.6	1.71	-0.76	-2.19
54	100	10754.2	-9317.3	-153.4	-2.62	-0.56	-6.91
	177	-7516.7	9317.3	153.4	2.62	0.71	-2.75
55	100	13619.3	-7248.4	461.8	-2.22	-3.39	-5.81
	177	-10381.8	7248.4	-461.8	2.22	2.91	-1.72
56	100	14178.8	-4376.3	591.7	-0.99	-3.95	-4.29
	177	-10941.3	4376.3	-591.7	0.99	3.34	-0.26
57	100	10722.8	1355.5	-117.3	2.41	-0.52	-1.24
	177	-7485.3	-1355.5	117.3	-2.41	0.64	2.66
58	100	12619.2	256.6	279.9	1.51	-2.40	-1.83
	177	-9381.7	-256.6	-279.9	-1.51	2.11	2.09
1	8	64494.3	-139.4	-447.3	0.07	0.38	-0.19
	101	-47155.6	139.4	447.3	-0.07	1.53	-0.40
2	8	99808.0	-257.8	-871.6	0.12	0.94	-0.30
	101	-82469.3	257.8	871.6	-0.12	2.78	-0.80
3	8	113669.7	-1349.7	-7838.7	0.10	17.75	-2.62
	101	-96330.9	1349.7	7838.7	-0.10	15.71	-3.14
4	8	95674.3	-783.4	-6703.4	0.12	15.21	-1.46
	101	-78335.6	783.4	6703.4	-0.12	13.40	-1.88
5	8	82488.6	-1293.9	-545.9	0.20	0.67	-2.62

	101	-65149.9	1293.9	545.9	-0.20	1.66	-2.90
6	8	96048.3	-1792.2	-2966.1	0.13	6.33	-3.66
	101	-78709.5	1792.2	2966.1	-0.13	6.33	-3.99
7	8	121395.7	770.4	-2005.2	0.03	3.06	2.03
	101	-104057.0	-770.4	2005.2	-0.03	5.50	1.26
8	8	103400.4	1336.6	-869.8	0.06	0.52	3.19
	101	-86061.6	-1336.6	869.8	-0.06	3.20	2.52
9	8	90214.7	826.1	5287.6	0.13	-14.02	2.03
	101	-72875.9	-826.1	-5287.6	-0.13	-8.54	1.50
10	8	103774.3	327.8	2867.5	0.06	-8.36	0.99
	101	-86435.5	-327.8	-2867.5	-0.06	-3.88	0.41
11	8	107829.2	-1311.7	-10326.8	0.04	23.77	-2.57
	101	-90490.5	1311.7	10326.8	-0.04	20.30	-3.03
12	8	115555.3	808.4	-4493.2	-0.03	9.08	2.08
	101	-98216.5	-808.4	4493.2	0.03	10.09	1.37
13	8	77837.0	-368.0	-8434.6	0.08	19.54	-0.63
	101	-60498.3	368.0	8434.6	-0.08	16.46	-0.94
14	8	85563.1	1752.0	-2601.0	0.02	4.85	4.02
	101	-68224.3	-1752.0	2601.0	-0.02	6.26	3.46
15	8	55860.8	-1218.8	1827.9	0.20	-4.70	-2.57
	101	-38522.1	1218.8	-1827.9	-0.20	-3.11	-2.63
16	8	63586.9	901.2	7661.4	0.14	-19.39	2.08
	101	-46248.1	-901.2	-7661.4	-0.14	-13.31	1.77
17	8	78460.2	-2049.3	-2205.7	0.09	4.74	-4.30
	101	-61121.5	2049.3	2205.7	-0.09	4.67	-4.45
18	8	86186.3	70.7	3627.8	0.03	-9.95	0.35
	101	-68847.5	-70.7	-3627.8	-0.03	-5.53	-0.05
19	8	93437.5	-1997.1	-9571.1	0.10	22.36	-4.12
	101	-76098.7	1997.1	9571.1	-0.10	18.49	-4.41
20	8	106314.2	1536.3	151.5	-0.02	-2.12	3.63
	101	-88975.5	-1536.3	-151.5	0.02	1.47	2.93
21	8	75442.1	-1430.9	-8435.8	0.12	19.82	-2.96
	101	-58103.4	1430.9	8435.8	-0.12	16.18	-3.15
22	8	88318.9	2102.5	1286.8	0.01	-4.66	4.79
	101	-70980.1	-2102.5	-1286.8	-0.01	-0.83	4.18
23	8	62256.4	-1941.4	-2278.3	0.20	5.28	-4.12
	101	-44917.7	1941.4	2278.3	-0.20	4.44	-4.17
24	8	75133.2	1592.0	7444.3	0.08	-19.20	3.63
	101	-57794.4	-1592.0	-7444.3	-0.08	-12.57	3.17
25	8	75816.0	-2439.7	-4698.5	0.13	10.94	-5.16
	101	-58477.3	2439.7	4698.5	-0.13	9.11	-5.25
26	8	88692.8	1093.7	5024.1	0.02	-13.54	2.59
	101	-71354.1	-1093.7	-5024.1	-0.02	-7.90	2.08
27	8	69928.9	93.7	8819.5	0.38	-21.98	0.39
	101	-56591.4	-93.7	-8819.5	-0.38	-15.66	0.01
28	8	69521.2	2768.8	7287.4	0.55	-18.30	6.31
	101	-56183.7	-2768.8	-7287.4	-0.55	-12.80	5.51
29	8	72042.6	-4149.1	4480.9	-0.08	-11.58	-9.00
	101	-58705.1	4149.1	-4480.9	0.08	-7.54	-8.71
30	8	72767.2	-652.2	-3323.5	-0.04	7.14	-1.25
	101	-59429.7	652.2	3323.5	0.04	7.04	-1.53
31	8	74609.0	-3111.6	-8683.5	-0.39	19.99	-6.70
	101	-61271.5	3111.6	8683.5	0.39	17.07	-6.58
32	8	74201.4	-436.5	-10215.6	-0.22	23.67	-0.77
	101	-60863.9	436.5	10215.6	0.22	19.93	-1.09
33	8	70683.7	4767.9	-626.1	0.48	0.68	10.74
	101	-57346.2	-4767.9	626.1	-0.48	2.00	9.61
34	8	72087.7	3806.3	-5877.0	0.24	13.27	8.62
	101	-58750.2	-3806.3	5877.0	-0.24	11.81	7.63

35	8	60293.9	-132.0	-556.6	0.07	0.65	-0.16
	101	-46956.4	132.0	556.6	-0.07	1.72	-0.41
36	8	60339.1	-113.7	-3115.4	0.01	6.77	-0.12
	101	-47001.6	113.7	3115.4	-0.01	6.52	-0.37
37	8	48342.2	263.7	-2358.5	0.03	5.08	0.65
	101	-35004.7	-263.7	2358.5	-0.03	4.99	0.47
38	8	39551.7	-76.6	1746.5	0.08	-4.61	-0.12
	101	-26214.2	76.6	-1746.5	-0.08	-2.84	-0.21
39	8	48591.5	-408.8	133.0	0.04	-0.84	-0.81
	101	-35254.0	408.8	-133.0	-0.04	0.27	-0.93
40	8	45947.3	-799.2	-2359.7	0.07	5.36	-1.67
	101	-32609.8	799.2	2359.7	-0.07	4.71	-1.74
41	8	51098.0	614.2	1529.3	0.03	-4.43	1.43
	101	-37760.5	-614.2	-1529.3	-0.03	-2.10	1.19
42	8	72065.1	-171.4	-698.0	0.08	0.84	-0.19
	101	-58727.6	171.4	698.0	-0.08	2.14	-0.54
43	8	69959.2	107.8	8738.9	0.37	-21.79	0.42
	101	-56621.7	-107.8	-8738.9	-0.37	-15.51	0.04
44	8	69564.0	2913.0	7220.0	0.54	-18.14	6.63
	101	-56226.5	-2913.0	-7220.0	-0.54	-12.67	5.80
45	8	72032.7	-4342.3	4436.6	-0.08	-11.48	-9.43
	101	-58695.2	4342.3	-4436.6	0.08	-7.46	-9.10
46	8	73414.8	-5351.4	-769.9	-0.31	1.01	-11.66
	101	-60077.3	5351.4	769.9	0.31	2.28	-11.18
47	8	74566.3	-3255.9	-8616.1	-0.38	19.83	-7.02
	101	-61228.8	3255.9	8616.1	0.38	16.94	-6.88
48	8	74171.1	-450.6	-10135.0	-0.21	23.48	-0.80
	101	-60833.6	450.6	10135.0	0.21	19.78	-1.12
49	8	70715.4	5008.5	-626.2	0.47	0.68	11.28
	101	-57377.9	-5008.5	626.2	-0.47	1.99	10.10
50	8	72097.6	3999.4	-5832.7	0.25	13.16	9.05
	101	-58760.1	-3999.4	5832.7	-0.25	11.73	8.02
51	8	46806.1	129.8	7281.1	0.29	-17.99	0.37
	101	-33468.6	-129.8	-7281.1	-0.29	-13.08	0.19
52	8	46483.4	2385.2	6038.7	0.42	-15.01	5.36
	101	-33145.9	-2385.2	-6038.7	-0.42	-10.76	4.82
53	8	48497.1	-3446.4	3778.0	-0.08	-9.60	-7.55
	101	-35159.6	3446.4	-3778.0	0.08	-6.53	-7.16
54	8	49623.9	-4256.4	-467.0	-0.27	0.58	-9.34
	101	-36286.4	4256.4	467.0	0.27	1.41	-8.83
55	8	50561.9	-2570.1	-6869.0	-0.32	15.94	-5.60
	101	-37224.4	2570.1	6869.0	0.32	13.37	-5.37
56	8	50239.2	-314.8	-8111.4	-0.19	18.92	-0.61
	101	-36901.7	314.8	8111.4	0.19	15.69	-0.74
57	8	47421.5	4071.4	-363.3	0.37	0.35	9.10
	101	-34084.0	-4071.4	363.3	-0.37	1.20	8.28
58	8	48548.2	3261.4	-4608.4	0.18	10.53	7.31
	101	-35210.7	-3261.4	4608.4	-0.18	9.14	6.61
1	101	50722.2	-109.1	321.6	0.03	3.03	-0.18
	178	-37722.2	109.1	-321.6	-0.03	-4.06	-0.17
2	101	80374.4	-189.4	961.8	0.04	3.32	-0.23
	178	-67374.4	189.4	-961.8	-0.04	-6.40	-0.37
3	101	91916.6	-3499.6	-1615.8	0.05	8.07	-5.83
	178	-78916.6	3499.6	805.8	-0.05	-4.20	-5.37
4	101	78966.2	-1897.9	-340.6	0.04	5.31	-3.23
	178	-65966.2	1897.9	340.6	-0.04	-4.22	-2.84
5	101	71245.4	-3035.4	7949.6	0.22	-12.08	-5.17
	178	-58245.4	3035.4	-7463.6	-0.22	-12.58	-4.55

6	101	80565.8	-4479.0	4835.9	0.17	-5.43	-7.51
	178	-67565.8	4479.0	-4835.9	-0.17	-10.05	-6.82
7	101	92735.6	2599.4	-7114.2	-0.17	20.91	4.62
	178	-79735.6	-2599.4	6304.2	0.17	0.56	3.70
8	101	79785.3	4201.2	-5839.0	-0.18	18.16	7.21
	178	-66785.3	-4201.2	5839.0	0.18	0.53	6.23
9	101	72064.4	3063.7	2451.2	0.00	0.76	5.28
	178	-59064.4	-3063.7	-1965.2	-0.00	-7.83	4.52
10	101	81384.9	1620.1	-662.5	-0.05	7.41	2.93
	178	-68384.9	-1620.1	662.5	0.05	-5.29	2.25
11	101	85058.3	-3633.2	-5487.1	-0.01	15.37	-6.05
	178	-72058.3	3633.2	4137.1	0.01	0.03	-5.58
12	101	85877.4	2465.8	-10985.5	-0.23	28.21	4.40
	178	-72877.4	-2465.8	9635.5	0.23	4.78	3.49
13	101	63474.4	-963.6	-3361.8	-0.04	10.78	-1.72
	178	-50474.4	963.6	3361.8	0.04	-0.02	-1.36
14	101	64293.4	5135.5	-8860.2	-0.26	23.62	8.72
	178	-51293.4	-5135.5	8860.2	0.26	4.73	7.71
15	101	50606.3	-2859.5	10455.3	0.27	-18.21	-4.95
	178	-37606.3	2859.5	-9645.3	-0.27	-13.95	-4.20
16	101	51425.3	3239.6	4956.9	0.05	-5.37	5.50
	178	-38425.3	-3239.6	-4146.9	-0.05	-9.19	4.87
17	101	66140.4	-5265.4	5265.7	0.18	-7.13	-8.86
	178	-53140.4	5265.4	-5265.7	-0.18	-9.72	-7.99
18	101	66959.5	833.7	-232.7	-0.04	5.71	1.59
	178	-53959.5	-833.7	232.7	0.04	-4.97	1.08
19	101	76817.5	-5492.5	-103.1	0.12	3.64	-9.28
	178	-63817.5	5492.5	-706.9	-0.12	-4.61	-8.29
20	101	78182.6	4672.6	-9267.1	-0.24	25.05	8.13
	178	-65182.6	-4672.6	8457.1	0.24	3.31	6.83
21	101	63867.1	-3890.7	1172.1	0.11	0.89	-6.69
	178	-50867.1	3890.7	-1172.1	-0.11	-4.64	-5.76
22	101	65232.2	6274.4	-7991.9	-0.26	22.29	10.72
	178	-52232.2	-6274.4	7991.9	0.26	3.28	9.36
23	101	56146.3	-5028.2	9462.3	0.29	-16.51	-8.62
	178	-43146.3	5028.2	-8976.3	-0.29	-12.99	-7.47
24	101	57511.3	5136.9	298.3	-0.07	4.90	8.79
	178	-44511.3	-5136.9	187.7	0.07	-5.07	7.65
25	101	65466.8	-6471.8	6348.6	0.24	-9.86	-10.97
	178	-52466.8	6471.8	-6348.6	-0.24	-10.46	-9.74
26	101	66831.8	3693.3	-2815.4	-0.12	11.55	6.44
	178	-53831.8	-3693.3	2815.4	0.12	-2.54	5.38
27	101	65218.2	144.4	13489.3	-0.64	-24.26	0.31
	178	-55218.2	-144.4	-13489.3	0.64	-18.91	0.15
28	101	63852.9	4028.2	11438.9	-0.91	-20.01	6.82
	178	-53852.9	-4028.2	-11438.9	0.91	-16.60	6.07
29	101	62390.8	-5936.1	7754.0	0.24	-12.28	-9.88
	178	-52390.8	5936.1	-7754.0	-0.24	-12.53	-9.12
30	101	56326.5	-791.3	-2629.6	0.26	9.32	-1.27
	178	-46326.5	791.3	2629.6	-0.26	-0.91	-1.26
31	101	52589.0	-4282.6	-9731.8	0.96	24.14	-7.12
	178	-42589.0	4282.6	9731.8	-0.96	7.01	-6.58
32	101	51223.7	-398.9	-11782.1	0.69	28.39	-0.62
	178	-41223.7	398.9	11782.1	-0.69	9.31	-0.66
33	101	57839.8	7009.7	919.4	-0.67	1.90	11.80
	178	-47839.8	-7009.7	-919.4	0.67	-4.84	10.63
34	101	54051.1	5681.6	-6046.9	-0.19	16.41	9.57
	178	-44051.1	-5681.6	6046.9	0.19	2.94	8.61
35	101	48336.9	-100.4	640.2	0.02	1.97	-0.14

	178	-38336.9	100.4	-640.2	-0.02	-4.02	-0.19
36	101	46420.7	-247.4	-3124.4	-0.05	9.32	-0.37
	178	-36420.7	247.4	2584.4	0.05	-0.18	-0.43
37	101	37787.1	820.4	-2274.3	-0.06	7.48	1.36
	178	-27787.1	-820.4	2274.3	0.06	-0.20	1.26
38	101	32639.8	62.1	3252.5	0.07	-4.12	0.07
	178	-22639.8	-62.1	-2928.5	-0.07	-5.77	0.12
39	101	38853.5	-900.3	1176.7	0.03	0.32	-1.49
	178	-28853.5	900.3	-1176.7	-0.03	-4.08	-1.39
40	101	38179.8	-2106.7	2259.6	0.09	-2.41	-3.60
	178	-28179.8	2106.7	-2259.6	-0.09	-4.82	-3.14
41	101	38725.8	1959.4	-1406.0	-0.06	6.15	3.36
	178	-28725.8	-1959.4	1406.0	0.06	-1.65	2.91
42	101	58220.9	-127.2	853.6	0.02	2.07	-0.15
	178	-48220.9	127.2	-853.6	-0.02	-4.80	-0.25
43	101	65173.2	156.2	13392.4	-0.64	-24.05	0.33
	178	-55173.2	-156.2	-13392.4	0.64	-18.80	0.17
44	101	63783.1	4189.0	11360.7	-0.93	-19.84	7.09
	178	-53783.1	-4189.0	-11360.7	0.93	-16.52	6.32
45	101	62415.0	-6158.7	7696.6	0.25	-12.16	-10.25
	178	-52415.0	6158.7	-7696.6	-0.25	-12.47	-9.45
46	101	58660.7	-7538.5	782.8	0.74	2.24	-12.57
	178	-48660.7	7538.5	-782.8	-0.74	-4.75	-11.55
47	101	52658.8	-4443.5	-9653.5	0.97	23.97	-7.39
	178	-42658.8	4443.5	9653.5	-0.97	6.92	-6.83
48	101	51268.6	-410.6	-11685.2	0.68	28.18	-0.64
	178	-41268.6	410.6	11685.2	-0.68	9.21	-0.68
49	101	57781.2	7284.1	924.3	-0.69	1.89	12.27
	178	-47781.2	-7284.1	-924.3	0.69	-4.84	11.04
50	101	54026.9	5904.2	-5989.5	-0.21	16.29	9.95
	178	-44026.9	-5904.2	5989.5	0.21	2.87	8.95
51	101	44126.4	160.5	10652.5	-0.52	-19.43	0.28
	178	-34126.4	-160.5	-10652.5	0.52	-14.66	0.23
52	101	42991.7	3408.6	8990.5	-0.75	-15.98	5.72
	178	-32991.7	-3408.6	-8990.5	0.75	-12.79	5.18
53	101	41875.8	-4929.7	6015.1	0.20	-9.75	-8.25
	178	-31875.7	4929.7	-6015.1	-0.20	-9.50	-7.52
54	101	38812.0	-6044.6	378.3	0.59	2.00	-10.12
	178	-28812.0	6044.6	-378.3	-0.59	-3.21	-9.22
55	101	33913.9	-3555.9	-8137.0	0.78	19.72	-5.96
	178	-23913.9	3555.9	8137.0	-0.78	6.32	-5.42
56	101	32779.3	-307.8	-9798.9	0.56	23.17	-0.52
	178	-22779.3	307.8	9798.9	-0.56	8.19	-0.47
57	101	38093.6	5897.4	475.3	-0.56	1.74	9.89
	178	-28093.6	-5897.4	-475.3	0.56	-3.26	8.98
58	101	35029.9	4782.4	-5161.6	-0.17	13.49	8.01
	178	-25029.9	-4782.4	5161.6	0.17	3.03	7.29
1	13	30706.5	-458.0	-202.3	-0.03	0.17	-0.79
	102	-14456.5	458.0	202.3	0.03	0.64	-1.04
2	13	41790.1	-747.1	-462.3	-0.03	0.71	-1.13
	102	-25540.1	747.1	462.3	0.03	1.14	-1.86
3	13	50258.0	-11140.9	-3149.1	-0.04	6.89	-24.72
	102	-34008.0	11140.9	2541.6	0.04	4.49	-19.85
4	13	44327.4	-10376.9	-2364.3	-0.02	5.68	-22.87
	102	-28077.4	10376.9	2364.3	0.02	3.78	-18.64
5	13	37828.0	-11266.7	-196.4	-0.14	1.40	-25.37
	102	-21578.0	11266.7	1208.9	0.14	1.41	-19.70
6	13	42707.9	-11928.0	-1547.9	-0.14	3.59	-27.00

	102	-26457.9	11928.0	1547.9	0.14	2.61	-20.72
7	13	47425.4	9777.5	-607.0	0.09	0.18	23.17
	102	-31175.4	-9777.5	-0.5	-0.09	1.03	15.94
8	13	41494.8	10541.5	177.7	0.12	-1.03	25.02
	102	-25244.8	-10541.5	-177.7	-0.12	0.32	17.14
9	13	34995.4	9651.6	2345.7	-0.01	-5.30	22.52
	102	-18745.4	-9651.6	-1333.2	0.01	-2.06	16.08
10	13	39875.3	8990.3	994.1	-0.00	-3.12	20.89
	102	-23625.3	-8990.3	-994.1	0.00	-0.86	15.07
11	13	49417.3	-10952.7	-3962.9	-0.00	8.50	-24.31
	102	-33167.2	10952.7	2950.4	0.00	5.32	-19.50
12	13	46584.7	9965.6	-1420.9	0.13	1.80	23.58
	102	-30334.7	-9965.6	408.4	-0.13	1.86	16.28
13	13	39532.9	-9679.4	-2655.0	0.04	6.49	-21.23
	102	-23282.9	9679.4	2655.0	-0.04	4.13	-17.49
14	13	36700.4	11239.0	-112.9	0.18	-0.22	26.66
	102	-20450.4	-11239.0	112.9	-0.18	0.67	18.29
15	13	28700.6	-11162.5	958.2	-0.17	-0.64	-25.39
	102	-12450.6	11162.5	729.3	0.17	0.18	-19.26
16	13	25868.0	9755.8	3500.3	-0.04	-7.34	22.50
	102	-9618.0	-9755.8	-1812.8	0.04	-3.28	16.53
17	13	36833.8	-12264.6	-1294.3	-0.16	3.00	-28.11
	102	-20583.8	12264.6	1294.3	0.16	2.18	-20.95
18	13	34001.2	8653.7	1247.7	-0.03	-3.71	19.78
	102	-17751.2	-8653.7	-1247.7	0.03	-1.28	14.83
19	13	45660.4	-17969.1	-3866.4	-0.09	8.85	-40.51
	102	-29410.4	17969.1	3258.9	0.09	5.40	-31.37
20	13	40939.5	16894.8	370.3	0.14	-2.32	39.31
	102	-24689.5	-16894.8	-977.8	-0.14	-0.37	28.27
21	13	39729.8	-17205.1	-3081.7	-0.06	7.65	-38.66
	102	-23479.8	17205.1	3081.7	0.06	4.68	-30.16
22	13	35008.9	17658.8	1155.1	0.17	-3.53	41.16
	102	-18758.9	-17658.8	-1155.1	-0.17	-1.09	29.48
23	13	33230.4	-18095.0	-913.7	-0.19	3.37	-41.16
	102	-16980.4	18095.0	1926.2	0.19	2.31	-31.22
24	13	28509.4	16768.9	3323.0	0.04	-7.81	38.66
	102	-12259.4	-16768.9	-2310.5	-0.04	-3.46	28.42
25	13	38110.3	-18756.2	-2265.3	-0.18	5.55	-42.79
	102	-21860.3	18756.2	2265.3	0.18	3.51	-32.24
26	13	33389.4	16107.6	1971.5	0.04	-5.63	37.03
	102	-17139.4	-16107.6	-1971.5	-0.04	-2.26	27.40
27	13	26860.5	-5556.2	1757.3	-0.35	-4.57	-14.33
	102	-14360.5	5556.2	-1757.3	0.35	-2.46	-7.90
28	13	27305.4	-1462.4	1525.6	-0.13	-4.01	-3.18
	102	-14805.4	1462.4	-1525.6	0.13	-2.09	-2.68
29	13	28997.0	-8251.6	602.9	-0.44	-1.76	-21.79
	102	-16497.0	8251.6	-602.9	0.44	-0.66	-11.22
30	13	32014.8	354.9	-1004.7	0.05	2.16	1.57
	102	-19514.8	-354.9	1004.7	-0.05	1.86	-0.14
31	13	34447.9	388.7	-2313.6	0.10	5.35	1.55
	102	-21947.9	-388.7	2313.6	-0.10	3.91	0.02
32	13	34892.8	4482.5	-2545.4	0.31	5.91	12.71
	102	-22392.8	-4482.5	2545.4	-0.31	4.27	5.24
33	13	30480.1	5394.5	-169.6	0.27	0.12	15.40
	102	-17980.1	-5394.5	169.6	-0.27	0.56	6.18
34	13	32756.3	7177.9	-1390.9	0.41	3.09	20.16
	102	-20256.3	-7177.9	1390.9	-0.41	2.47	8.55
35	13	27182.1	-440.5	-307.4	-0.02	0.49	-0.70
	102	-14682.1	440.5	307.4	0.02	0.74	-1.06

36	13	28188.7	-300.5	-1164.6	0.02	2.19	-0.35
	102	-15688.7	300.5	759.6	-0.02	1.65	-0.85
37	13	24234.9	208.9	-641.4	0.04	1.39	0.88
	102	-11734.9	-208.9	641.4	-0.04	1.18	-0.05
38	13	19902.0	-384.4	803.9	-0.05	-1.46	-0.79
	102	-7402.0	384.4	-128.9	0.05	-0.40	-0.75
39	13	23155.3	-825.3	-97.1	-0.04	-0.01	-1.87
	102	-10655.3	825.3	97.1	0.04	0.40	-1.43
40	13	24431.8	-7316.9	-1068.1	-0.06	2.54	-16.55
	102	-11931.8	7316.9	1068.1	0.06	1.73	-12.72
41	13	22543.4	6628.7	626.6	0.03	-1.93	15.37
	102	-10043.4	-6628.7	-626.6	-0.03	-0.58	11.14
42	13	30876.6	-536.8	-394.0	-0.02	0.67	-0.81
	102	-18376.7	536.8	394.0	0.02	0.91	-1.33
43	13	27021.4	-5713.5	1666.9	-0.35	-4.35	-14.77
	102	-14521.4	5713.5	-1666.9	0.35	-2.32	-8.10
44	13	27453.1	-1444.0	1445.0	-0.12	-3.81	-3.13
	102	-14953.1	1444.0	-1445.0	0.12	-1.97	-2.66
45	13	29065.4	-8565.1	560.8	-0.46	-1.65	-22.66
	102	-16565.4	8565.1	-560.8	0.46	-0.59	-11.61
46	13	31249.1	-6740.0	-609.2	-0.33	1.20	-17.78
	102	-18749.1	6740.0	609.2	0.33	1.24	-9.18
47	13	34300.2	370.4	-2233.1	0.09	5.15	1.50
	102	-21800.2	-370.4	2233.1	-0.09	3.78	-0.01
48	13	34731.9	4639.8	-2455.0	0.31	5.69	13.14
	102	-22231.9	-4639.8	2455.0	-0.31	4.13	5.43
49	13	30504.2	5666.3	-178.8	0.29	0.14	16.15
	102	-18004.2	-5666.3	178.8	-0.29	0.57	6.52
50	13	32687.9	7491.5	-1348.8	0.42	2.99	21.03
	102	-20187.9	-7491.5	1348.8	-0.42	2.40	8.94
51	13	20344.0	-4549.5	1459.7	-0.29	-3.78	-11.92
	102	-7844.0	4549.5	-1459.7	0.29	-2.05	-6.29
52	13	20695.9	-1108.1	1278.7	-0.11	-3.35	-2.54
	102	-8195.9	1108.1	-1278.7	0.11	-1.77	-1.90
53	13	22010.8	-6825.1	557.8	-0.37	-1.59	-18.22
	102	-9510.8	6825.1	-557.8	0.37	-0.65	-9.09
54	13	23791.4	-5334.3	-396.1	-0.27	0.74	-14.23
	102	-11291.4	5334.3	396.1	0.27	0.85	-7.10
55	13	26279.3	419.9	-1720.1	0.07	3.96	1.36
	102	-13779.3	-419.9	1720.1	-0.07	2.92	0.33
56	13	26631.2	3861.3	-1901.1	0.25	4.40	10.74
	102	-14131.2	-3861.3	1901.1	-0.25	3.20	4.71
57	13	23183.8	4646.1	-45.3	0.23	-0.12	13.06
	102	-10683.8	-4646.1	45.3	-0.23	0.30	5.53
58	13	24964.4	6136.9	-999.2	0.33	2.20	17.04
	102	-12464.4	-6136.9	999.2	-0.33	1.79	7.51
1	102	14339.2	2767.3	-129.5	0.07	-0.73	2.10
	181	-10130.4	-2767.3	129.5	-0.07	0.86	0.77
2	102	25310.1	4862.1	-372.3	0.11	-1.24	3.54
	181	-21101.4	-4862.1	372.3	-0.11	1.63	1.49
3	102	34079.4	17025.7	-2173.9	-0.49	-4.56	16.38
	181	-29870.7	-17025.7	2016.5	0.49	6.73	1.26
4	102	28194.8	16413.5	-2351.5	-0.14	-3.84	15.79
	181	-23986.0	-16413.5	2351.5	0.14	6.28	1.21
5	102	21746.2	15358.3	-1736.5	-0.16	-1.61	15.27
	181	-17537.4	-15358.3	1998.7	0.16	3.54	0.64
6	102	26594.3	15730.6	-1486.1	-0.53	-2.77	15.69
	181	-22385.5	-15730.6	1486.1	0.53	4.31	0.61

7	102	30533.5	-5393.3	427.0	0.34	-1.01	-8.02
	181	-26324.7	5393.3	-584.3	-0.34	0.48	2.43
8	102	24648.8	-6005.6	249.3	0.70	-0.30	-8.61
	181	-20440.1	6005.6	-249.3	-0.70	0.04	2.38
9	102	18200.2	-7060.8	864.4	0.68	1.94	-9.13
	181	-13991.5	7060.8	-602.2	-0.68	-2.70	1.81
10	102	23048.4	-6688.5	1114.8	0.31	0.78	-8.71
	181	-18839.6	6688.5	-1114.8	-0.31	-1.93	1.78
11	102	33258.1	16614.4	-2386.6	-0.64	-5.33	16.08
	181	-29049.4	-16614.4	2124.3	0.64	7.66	1.13
12	102	29712.2	-5804.7	214.3	0.20	-1.78	-8.32
	181	-25503.4	5804.7	-476.5	-0.20	1.42	2.31
13	102	23450.4	15594.0	-2682.7	-0.05	-4.14	15.10
	181	-19241.6	-15594.0	2682.7	0.05	6.92	1.06
14	102	19904.4	-6825.1	-81.8	0.79	-0.59	-9.30
	181	-15695.7	6825.1	81.8	-0.79	0.67	2.23
15	102	12702.7	13835.3	-1657.6	-0.08	-0.41	14.23
	181	-8493.9	-13835.3	2094.6	0.08	2.35	0.10
16	102	9156.8	-8583.7	943.3	0.76	3.14	-10.16
	181	-4948.0	8583.7	-506.2	-0.76	-3.89	1.27
17	102	20782.9	14455.8	-1240.3	-0.70	-2.35	14.93
	181	-16574.2	-14455.8	1240.3	0.70	3.63	0.05
18	102	17237.0	-7963.2	1360.6	0.13	1.20	-9.47
	181	-13028.2	7963.2	-1360.6	-0.13	-2.61	1.22
19	102	29775.9	23451.3	-2919.4	-0.79	-5.48	23.79
	181	-25567.2	-23451.3	2762.1	0.79	8.43	0.51
20	102	23866.0	-13913.8	1415.3	0.60	0.43	-16.87
	181	-19657.3	13913.8	-1572.7	-0.60	-1.98	2.46
21	102	23891.3	22839.1	-3097.1	-0.44	-4.77	23.20
	181	-19682.5	-22839.1	3097.1	0.44	7.98	0.46
22	102	17981.4	-14526.0	1237.7	0.96	1.14	-17.46
	181	-13772.6	14526.0	-1237.7	-0.96	-2.43	2.41
23	102	17442.6	21783.9	-2482.0	-0.46	-2.53	22.68
	181	-13233.9	-21783.9	2744.2	0.46	5.24	-0.11
24	102	11532.7	-15581.2	1852.8	0.94	3.38	-17.98
	181	-7324.0	15581.2	-1590.5	-0.94	-5.16	1.84
25	102	22290.8	22156.2	-2231.6	-0.83	-3.69	23.10
	181	-18082.0	-22156.2	2231.6	0.83	6.01	-0.14
26	102	16380.9	-15208.9	2103.1	0.56	2.22	-17.56
	181	-12172.1	15208.9	-2103.1	-0.56	-4.40	1.81
27	102	14274.3	3800.9	290.8	0.81	2.13	2.83
	181	-11036.8	-3800.9	-290.8	-0.81	-2.50	1.25
28	102	14694.7	6669.4	388.7	2.39	1.79	3.85
	181	-11457.2	-6669.4	-388.7	-2.39	-2.10	3.20
29	102	16399.2	-777.1	-293.7	-2.10	0.46	1.08
	181	-13161.7	777.1	293.7	2.10	-0.43	-1.86
30	102	19341.5	2948.1	-533.5	-0.38	-1.86	2.31
	181	-16104.0	-2948.1	533.5	0.38	2.41	0.70
31	102	21746.7	282.4	-1052.7	-2.24	-3.75	1.25
	181	-18509.2	-282.4	1052.7	2.24	4.74	-1.10
32	102	22167.1	3150.8	-954.7	-0.66	-4.08	2.27
	181	-18929.6	-3150.8	954.7	0.66	5.14	0.86
33	102	17800.4	8784.5	32.8	3.17	-0.65	4.49
	181	-14562.9	-8784.5	-32.8	-3.17	0.90	4.67
34	102	20042.2	7728.9	-370.3	2.26	-2.41	4.01
	181	-16804.7	-7728.9	370.3	-2.26	3.07	3.96
35	102	14563.7	2777.6	-251.0	0.06	-0.81	2.07
	181	-11326.2	-2777.6	251.0	-0.06	1.07	0.81
36	102	15570.9	2715.4	-504.2	-0.07	-1.66	2.01

	181	-12333.4	-2715.4	399.3	0.07	2.13	0.81
37	102	11647.8	2307.2	-622.6	0.16	-1.19	1.62
	181	-8410.3	-2307.2	622.6	-0.16	1.83	0.77
38	102	7348.7	1603.8	-212.6	0.15	0.31	1.27
	181	-4111.2	-1603.8	387.4	-0.15	0.00	0.39
39	102	10580.8	1852.0	-45.7	-0.10	-0.47	1.55
	181	-7343.3	-1852.0	45.7	0.10	0.52	0.37
40	102	12088.7	9552.3	-1037.1	-0.23	-1.82	9.72
	181	-8851.2	-9552.3	1037.1	0.23	2.89	0.18
41	102	9724.7	-5393.7	696.8	0.33	0.55	-6.55
	181	-6487.2	5393.7	-696.8	-0.33	-1.27	0.96
42	102	18220.7	3475.9	-332.0	0.08	-0.98	2.55
	181	-14983.2	-3475.9	332.0	-0.08	1.32	1.05
43	102	14436.3	3823.2	257.9	0.84	2.01	2.85
	181	-11198.8	-3823.2	-257.9	-0.84	-2.34	1.25
44	102	14839.6	6832.9	350.7	2.49	1.68	3.92
	181	-11602.1	-6832.9	-350.7	-2.49	-1.96	3.30
45	102	16473.8	-984.6	-295.8	-2.20	0.41	1.01
	181	-13236.3	984.6	295.8	2.20	-0.36	-2.00
46	102	18623.4	-2095.9	-677.6	-3.15	-1.28	0.51
	181	-15385.9	2095.9	677.6	3.15	1.72	-2.73
47	102	21601.8	118.9	-1014.7	-2.33	-3.64	1.17
	181	-18364.3	-118.9	1014.7	2.33	4.60	-1.19
48	102	22005.0	3128.6	-921.9	-0.68	-3.96	2.25
	181	-18767.5	-3128.6	921.9	0.68	4.98	0.86
49	102	17817.9	9047.6	13.6	3.31	-0.67	4.59
	181	-14580.4	-9047.6	-13.6	-3.31	0.92	4.84
50	102	19967.5	7936.3	-368.2	2.36	-2.36	4.09
	181	-16730.0	-7936.3	368.2	-2.36	3.00	4.10
51	102	7821.2	2351.6	310.7	0.66	1.80	1.82
	181	-4583.7	-2351.6	-310.7	-0.66	-2.17	0.73
52	102	8150.1	4770.1	386.0	1.98	1.53	2.68
	181	-4912.6	-4770.1	-386.0	-1.98	-1.86	2.38
53	102	9482.2	-1507.0	-140.2	-1.77	0.50	0.35
	181	-6244.7	1507.0	140.2	1.77	-0.56	-1.88
54	102	11234.9	-2395.9	-451.3	-2.54	-0.88	-0.05
	181	-7997.4	2395.9	451.3	2.54	1.14	-2.47
55	102	13663.3	-611.4	-726.3	-1.88	-2.80	0.49
	181	-10425.8	611.4	726.3	1.88	3.48	-1.24
56	102	13992.2	1807.0	-650.9	-0.56	-3.07	1.35
	181	-10754.7	-1807.0	650.9	0.56	3.79	0.41
57	102	10578.5	6554.6	111.0	2.64	-0.38	3.22
	181	-7341.0	-6554.6	-111.0	-2.64	0.48	3.61
58	102	12331.2	5665.6	-200.0	1.88	-1.76	2.82
	181	-9093.7	-5665.6	200.0	-1.88	2.18	3.02
1	19	66275.6	379.6	-541.1	-0.10	0.55	0.49
	103	-48936.9	-379.6	541.1	0.10	1.76	1.13
2	19	103219.4	827.6	-975.7	-0.18	1.13	1.14
	103	-85880.6	-827.6	975.7	0.18	3.03	2.39
3	19	117035.6	-2533.4	-7330.0	-0.38	16.49	-6.30
	103	-99696.8	2533.4	7330.0	0.38	14.79	-4.51
4	19	98322.8	-2252.9	-6253.7	-0.27	14.09	-5.52
	103	-80984.0	2252.9	6253.7	0.27	12.60	-4.10
5	19	84368.4	-2950.4	168.5	-0.32	-1.07	-6.94
	103	-67029.7	2950.4	-168.5	0.32	0.35	-5.66
6	19	98468.5	-3243.7	-2268.1	-0.39	4.63	-7.70
	103	-81129.8	3243.7	2268.1	0.39	5.05	-6.14
7	19	126547.5	4666.1	-2952.4	-0.04	5.24	9.31

	103	-109208.7	-4666.1	2952.4	0.04	7.36	10.60
8	19	107834.6	4946.6	-1876.1	0.07	2.84	10.09
	103	-90495.9	-4946.6	1876.1	-0.07	5.17	11.02
9	19	93880.3	4249.2	4546.2	0.02	-12.32	8.68
	103	-76541.5	-4249.2	-4546.2	-0.02	-7.08	9.46
10	19	107980.4	3955.8	2109.6	-0.05	-6.62	7.91
	103	-90641.7	-3955.8	-2109.6	0.05	-2.38	8.97
11	19	110945.1	-2598.3	-9889.8	-0.37	22.69	-6.38
	103	-93606.4	2598.3	9889.8	0.37	19.52	-4.71
12	19	120457.0	4601.2	-5512.1	-0.03	11.44	9.23
	103	-103118.3	-4601.2	5512.1	0.03	12.09	10.41
13	19	79757.1	-2130.8	-8095.9	-0.18	18.68	-5.08
	103	-62418.4	2130.8	8095.9	0.18	15.87	-4.01
14	19	89269.0	5068.8	-3718.3	0.16	7.44	10.53
	103	-71930.2	-5068.8	3718.3	-0.16	8.43	11.10
15	19	56499.8	-3293.2	2607.9	-0.26	-6.59	-7.44
	103	-39161.1	3293.2	-2607.9	0.26	-4.54	-6.61
16	19	66011.7	3906.3	6985.5	0.08	-17.84	8.17
	103	-48672.9	-3906.3	-6985.5	-0.08	-11.98	8.50
17	19	80000.1	-3782.1	-1453.1	-0.39	2.92	-8.71
	103	-62661.3	3782.1	1453.1	0.39	3.28	-7.43
18	19	89511.9	3417.4	2924.5	-0.05	-8.33	6.90
	103	-72173.2	-3417.4	-2924.5	0.05	-4.15	7.69
19	19	95393.1	-5157.3	-8572.0	-0.46	19.95	-11.83
	103	-78054.3	5157.3	8572.0	0.46	16.64	-10.18
20	19	111246.2	6841.9	-1275.9	0.11	1.20	14.19
	103	-93907.4	-6841.9	1275.9	-0.11	4.25	15.01
21	19	76680.3	-4876.7	-7495.6	-0.34	17.55	-11.05
	103	-59341.5	4876.7	7495.6	0.34	14.44	-9.76
22	19	92533.4	7122.5	-199.6	0.22	-1.20	14.97
	103	-75194.6	-7122.5	199.6	-0.22	2.05	15.42
23	19	62725.9	-5574.2	-1073.4	-0.39	2.38	-12.47
	103	-45387.1	5574.2	1073.4	0.39	2.20	-11.32
24	19	78579.0	6425.0	6222.7	0.18	-16.36	13.56
	103	-61240.3	-6425.0	-6222.7	-0.18	-10.19	13.86
25	19	76826.0	-5867.6	-3510.0	-0.47	8.09	-13.23
	103	-59487.3	5867.6	3510.0	0.47	6.89	-11.81
26	19	92679.1	6131.6	3786.1	0.10	-10.66	12.79
	103	-75340.4	-6131.6	-3786.1	-0.10	-5.50	13.38
27	19	71794.3	848.8	8118.6	-0.01	-20.24	1.39
	103	-58456.8	-848.8	-8118.6	0.01	-14.41	2.23
28	19	72333.3	3617.6	7175.1	0.10	-17.99	7.47
	103	-58995.8	-3617.6	-7175.1	-0.10	-12.63	7.97
29	19	72861.9	-3536.5	3317.5	-0.25	-8.78	-8.24
	103	-59524.4	3536.5	-3317.5	0.25	-5.38	-6.86
30	19	75214.5	88.3	-3313.5	-0.17	7.05	-0.28
	103	-61877.0	-88.3	3313.5	0.17	7.10	0.66
31	19	76641.5	-2451.1	-8743.6	-0.34	20.01	-5.85
	103	-63304.0	2451.1	8743.6	0.34	17.31	-4.61
32	19	77180.6	317.7	-9687.0	-0.24	22.26	0.22
	103	-63843.1	-317.7	9687.0	0.24	19.09	1.13
33	19	74658.8	5693.0	172.7	0.11	-1.28	12.02
	103	-61321.3	-5693.0	-172.7	-0.11	0.54	12.28
34	19	76113.0	4703.0	-4885.9	0.00	10.80	9.85
	103	-62775.5	-4703.0	4885.9	-0.00	10.06	10.22
35	19	62172.8	433.9	-639.4	-0.09	0.81	0.59
	103	-48835.3	-433.9	639.4	0.09	1.92	1.26
36	19	62239.7	443.7	-3271.5	-0.09	7.11	0.62
	103	-48902.2	-443.7	3271.5	0.09	6.86	1.28

37	19	49764.5	630.7	-2554.0	-0.02	5.51	1.14
	103	-36427.0	-630.7	2554.0	0.02	5.39	1.56
38	19	40461.6	165.8	1727.5	-0.05	-4.60	0.19
	103	-27124.1	-165.8	-1727.5	0.05	-2.77	0.52
39	19	49861.6	-29.8	103.1	-0.10	-0.80	-0.32
	103	-36524.1	29.8	-103.1	0.10	0.36	0.19
40	19	46687.6	-2115.3	-1953.7	-0.18	4.37	-4.83
	103	-33350.1	2115.3	1953.7	0.18	3.97	-4.20
41	19	53028.9	2684.4	964.7	0.05	-3.13	5.58
	103	-39691.4	-2684.4	-964.7	-0.05	-0.99	5.88
42	19	74487.4	583.2	-784.2	-0.12	1.01	0.81
	103	-61149.9	-583.2	784.2	0.12	2.34	1.68
43	19	71886.4	862.7	7748.8	-0.02	-19.36	1.42
	103	-58548.9	-862.7	-7748.8	0.02	-13.71	2.26
44	19	72441.0	3765.7	6846.9	0.08	-17.21	7.79
	103	-59103.5	-3765.7	-6846.9	-0.08	-12.01	8.28
45	19	72865.9	-3735.9	3143.5	-0.25	-8.36	-8.67
	103	-59528.4	3735.9	-3143.5	0.25	-5.05	-7.27
46	19	74260.2	-4774.4	-1705.7	-0.34	3.21	-10.95
	103	-60922.7	4774.4	1705.7	0.34	4.07	-9.42
47	19	76533.8	-2599.2	-8415.4	-0.33	19.23	-6.18
	103	-63196.3	2599.2	8415.4	0.33	16.69	-4.91
48	19	77088.5	303.8	-9317.3	-0.22	21.38	0.19
	103	-63751.0	-303.8	9317.3	0.22	18.39	1.10
49	19	74714.7	5940.9	137.3	0.10	-1.20	12.57
	103	-61377.2	-5940.9	-137.3	-0.10	0.61	12.79
50	19	76108.9	4902.3	-4712.0	0.01	10.38	10.29
	103	-62771.4	-4902.3	4712.0	-0.01	9.73	10.64
51	19	47737.9	507.3	6462.6	0.01	-15.99	0.86
	103	-34400.4	-507.3	-6462.6	-0.01	-11.60	1.30
52	19	48186.1	2841.5	5727.0	0.10	-14.23	5.99
	103	-34848.6	-2841.5	-5727.0	-0.10	-10.21	6.14
53	19	48542.3	-3188.7	2708.3	-0.17	-7.02	-7.25
	103	-35204.8	3188.7	-2708.3	0.17	-4.54	-6.36
54	19	49680.1	-4022.6	-1245.3	-0.25	2.41	-9.08
	103	-36342.6	4022.6	1245.3	0.25	2.90	-8.09
55	19	51530.4	-2272.3	-6716.0	-0.23	15.47	-5.24
	103	-38192.9	2272.3	6716.0	0.23	13.19	-4.46
56	19	51978.6	61.9	-7451.6	-0.15	17.23	-0.12
	103	-38641.1	-61.9	7451.6	0.15	14.58	0.38
57	19	50036.4	4591.8	256.3	0.11	-1.18	9.83
	103	-36698.9	-4591.8	-256.3	-0.11	0.08	9.77
58	19	51174.1	3757.9	-3697.3	0.04	8.26	8.00
	103	-37836.6	-3757.9	3697.3	-0.04	7.52	8.04
1	103	53378.0	493.3	323.8	-0.12	2.99	0.42
	185	-40378.0	-493.3	-323.8	0.12	-4.02	1.16
2	103	85230.5	1127.3	818.1	-0.21	3.49	1.06
	185	-72230.5	-1127.3	-818.1	0.21	-6.11	2.55
3	103	97093.2	-7851.1	-940.8	-0.45	6.46	-14.13
	185	-84093.2	7851.1	130.8	0.45	-4.75	-10.99
4	103	83519.3	-6745.0	300.8	-0.36	3.84	-12.05
	185	-70519.3	6745.0	-300.8	0.36	-4.80	-9.54
5	103	74963.5	-8125.3	8930.5	-0.41	-14.28	-14.22
	185	-61963.5	8125.3	-8444.5	0.41	-13.52	-11.78
6	103	84624.9	-9177.4	5783.2	-0.46	-7.60	-16.16
	185	-71624.9	9177.4	-5783.2	0.46	-10.91	-13.21
7	103	98950.1	10425.8	-8424.5	-0.03	23.54	16.36
	185	-85950.1	-10425.8	7614.5	0.03	2.12	17.00

8	103	85376.1	11531.9	-7182.9	0.07	20.91	18.45
	185	-72376.1	-11531.9	7182.9	-0.07	2.07	18.45
9	103	76820.4	10151.6	1446.9	0.01	2.79	16.27
	185	-63820.4	-10151.6	-960.9	-0.01	-6.64	16.21
10	103	86481.7	9099.5	-1700.4	-0.03	9.48	14.33
	185	-73481.7	-9099.5	1700.4	0.03	-4.04	14.78
11	103	89694.4	-8061.4	-4855.2	-0.42	13.88	-14.41
	185	-76694.4	8061.4	3505.2	0.42	-0.51	-11.38
12	103	91551.2	10215.5	-12338.9	0.00	30.96	16.08
	185	-78551.2	-10215.5	10988.9	-0.00	6.37	16.61
13	103	67071.1	-6217.9	-2785.9	-0.26	9.51	-10.94
	185	-54071.1	6217.9	2785.9	0.26	-0.59	-8.96
14	103	68927.9	12059.0	-10269.5	0.16	26.58	19.56
	185	-55927.9	-12059.0	10269.5	-0.16	6.28	19.03
15	103	52811.5	-8518.4	11597.1	-0.35	-20.70	-14.57
	185	-39811.5	8518.4	-10787.1	0.35	-15.12	-12.69
16	103	54668.4	9758.5	4113.5	0.07	-3.62	15.93
	185	-41668.4	-9758.5	-3303.5	-0.07	-8.25	15.30
17	103	68913.8	-10271.9	6351.6	-0.43	-9.55	-17.79
	185	-55913.8	10271.9	-6351.6	0.43	-10.78	-15.08
18	103	70770.6	8005.0	-1132.1	-0.00	7.53	12.70
	185	-57770.6	-8005.0	1132.1	0.00	-3.90	12.91
19	103	80548.0	-14260.4	1306.5	-0.55	0.52	-24.62
	185	-67548.0	14260.4	-2116.5	0.55	-6.00	-21.02
20	103	83642.7	16201.1	-11166.2	0.16	28.98	26.21
	185	-70642.7	-16201.1	10356.2	-0.16	5.46	25.64
21	103	66974.0	-13154.3	2548.1	-0.45	-2.11	-22.53
	185	-53974.0	13154.3	-2548.1	0.45	-6.05	-19.56
22	103	70068.8	17307.2	-9924.6	0.26	26.35	28.29
	185	-57068.8	-17307.2	9924.6	-0.26	5.41	27.09
23	103	58418.3	-14534.6	11177.9	-0.51	-20.23	-24.71
	185	-45418.3	14534.6	-10691.9	0.51	-14.76	-21.80
24	103	61513.0	15926.9	-1294.8	0.20	8.23	26.12
	185	-48513.0	-15926.9	1780.8	-0.20	-3.31	24.85
25	103	68079.7	-15586.7	8030.6	-0.55	-13.54	-26.64
	185	-55079.7	15586.7	-8030.6	0.55	-12.16	-23.23
26	103	71174.4	14874.8	-4442.1	0.16	14.92	24.18
	185	-58174.4	-14874.8	4442.1	-0.16	-0.70	23.42
27	103	67408.4	1109.0	12252.1	-0.41	-21.92	1.26
	185	-57408.4	-1109.0	-12252.1	0.41	-17.29	2.29
28	103	68131.1	4937.3	11026.2	-0.65	-19.35	7.72
	185	-58131.1	-4937.3	-11026.2	0.65	-15.93	8.08
29	103	62305.0	-4907.8	6058.1	0.15	-8.93	-8.89
	185	-52305.0	4907.8	-6058.1	-0.15	-10.45	-6.82
30	103	59858.1	143.5	-2520.1	-0.04	9.05	-0.36
	185	-49858.1	-143.5	2520.1	0.04	-0.98	0.82
31	103	55236.5	-3321.2	-9531.4	0.35	23.75	-6.20
	185	-45236.5	3321.2	9531.4	-0.35	6.75	-4.43
32	103	55959.3	507.0	-10757.3	0.10	26.32	0.26
	185	-45959.3	-507.0	10757.3	-0.10	8.11	1.36
33	103	64714.2	7853.0	1971.7	-0.68	-0.37	12.65
	185	-54714.2	-7853.0	-1971.7	0.68	-5.94	12.48
34	103	61062.6	6523.9	-4563.3	-0.45	13.33	10.41
	185	-51062.6	-6523.9	4563.3	0.45	1.27	10.47
35	103	51066.3	596.7	582.6	-0.12	2.03	0.55
	185	-41066.3	-596.7	-582.6	0.12	-3.89	1.36
36	103	48976.2	492.1	-3249.4	-0.11	9.53	0.37
	185	-38976.2	-492.1	2709.4	0.11	0.00	1.20
37	103	39926.9	1229.5	-2421.6	-0.04	7.78	1.76

	185	-29926.9	-1229.5	2421.6	0.04	-0.03	2.17
38	103	34223.1	309.3	3331.6	-0.08	-4.30	0.31
	185	-24223.1	-309.3	-3007.6	0.08	-5.84	0.68
39	103	40664.0	-392.1	1233.3	-0.11	0.16	-0.98
	185	-30664.0	392.1	-1233.3	0.11	-4.11	-0.27
40	103	39829.8	-5706.9	2912.4	-0.23	-3.83	-9.83
	185	-29829.8	5706.9	-2912.4	0.23	-5.49	-8.43
41	103	41067.7	6477.7	-2076.7	0.05	7.55	10.50
	185	-31067.7	-6477.7	2076.7	-0.05	-0.91	10.23
42	103	61683.8	808.0	747.4	-0.15	2.20	0.76
	185	-51683.8	-808.0	-747.4	0.15	-4.59	1.83
43	103	67175.5	1117.5	11769.0	-0.40	-20.91	1.28
	185	-57175.5	-1117.5	-11769.0	0.40	-16.75	2.30
44	103	67875.6	5095.3	10598.1	-0.65	-18.46	7.99
	185	-57875.6	-5095.3	-10598.1	0.65	-15.46	8.31
45	103	62269.5	-5132.1	5829.8	0.16	-8.46	-9.27
	185	-52269.5	5132.1	-5829.8	-0.16	-10.20	-7.16
46	103	58764.4	-6511.2	-431.9	0.39	4.67	-11.59
	185	-48764.4	6511.2	431.9	-0.39	-3.29	-9.25
47	103	55492.1	-3479.2	-9103.3	0.35	22.85	-6.47
	185	-45492.1	3479.2	9103.3	-0.35	6.28	-4.66
48	103	56192.2	498.6	-10274.2	0.09	25.31	0.24
	185	-46192.2	-498.6	10274.2	-0.09	7.57	1.35
49	103	64603.2	8127.2	1926.7	-0.69	-0.27	13.11
	185	-54603.2	-8127.2	-1926.7	0.69	-5.89	12.90
50	103	61098.2	6748.2	-4335.0	-0.47	12.85	10.79
	185	-51098.2	-6748.2	4335.0	0.47	1.02	10.81
51	103	44925.2	643.4	9403.9	-0.29	-16.98	0.76
	185	-34925.2	-643.4	-9403.9	0.29	-13.11	1.29
52	103	45493.3	3847.5	8448.9	-0.49	-14.98	6.17
	185	-35493.3	-3847.5	-8448.9	0.49	-12.06	6.14
53	103	40930.2	-4396.8	4562.0	0.16	-6.83	-7.74
	185	-30930.2	4396.8	-4562.0	-0.16	-7.77	-6.33
54	103	38073.9	-5512.9	-543.1	0.34	3.88	-9.62
	185	-28073.9	5512.9	543.1	-0.34	-2.14	-8.02
55	103	35404.3	-3076.8	-7613.2	0.31	18.70	-5.51
	185	-25404.3	3076.8	7613.2	-0.31	5.66	-4.34
56	103	35972.3	127.4	-8568.2	0.11	20.70	-0.10
	185	-25972.3	-127.4	8568.2	-0.11	6.72	0.50
57	103	42823.7	6283.6	1378.8	-0.52	-0.15	10.29
	185	-32823.7	-6283.6	-1378.8	0.52	-4.26	9.82
58	103	39967.4	5167.6	-3726.3	-0.34	10.55	8.40
	185	-29967.4	-5167.6	3726.3	0.34	1.37	8.13
1	22	26827.7	317.6	-87.8	0.03	0.01	2.34
	104	-10577.7	-317.6	87.8	-0.03	0.34	-1.07
2	22	31829.0	-279.3	-104.2	0.13	0.00	2.29
	104	-15579.0	279.3	104.2	-0.13	0.41	-3.40
3	22	37316.5	-20099.7	-1831.5	0.29	4.11	-37.78
	104	-21066.5	20099.7	1527.7	-0.29	2.61	-42.62
4	22	34481.3	-19255.0	-1501.0	0.25	3.67	-36.44
	104	-18231.3	19514.2	1501.0	-0.25	2.34	-41.09
5	22	31433.1	-19979.8	-371.0	-0.06	1.38	-38.78
	104	-15183.1	19979.8	877.3	0.06	1.11	-41.13
6	22	33749.1	-20639.4	-1003.0	0.04	2.36	-39.92
	104	-17499.1	20483.9	1003.0	-0.04	1.65	-42.33
7	22	33013.6	19386.0	230.1	0.31	-1.30	43.45
	104	-16763.6	-19386.0	-533.8	-0.31	-0.22	34.09
8	22	30178.3	20230.7	560.6	0.27	-1.74	44.79

	104	-13928.3	-19971.5	-560.6	-0.27	-0.50	35.61
9	22	27130.2	19506.0	1690.5	-0.05	-4.03	42.45
	104	-10880.2	-19506.0	-1184.2	0.05	-1.72	35.57
10	22	29446.1	18846.3	1058.5	0.06	-3.05	41.32
	104	-13196.1	-19001.9	-1058.5	-0.06	-1.18	34.38
11	22	37039.9	-19853.0	-2287.7	0.36	5.04	-37.39
	104	-20789.9	19853.0	1781.4	-0.36	3.10	-42.02
12	22	32737.0	19632.7	-226.1	0.38	-0.37	43.85
	104	-16487.0	-19632.7	-280.1	-0.38	0.26	34.68
13	22	32314.5	-18445.2	-1736.9	0.29	4.31	-35.16
	104	-16064.5	18877.2	1736.9	-0.29	2.64	-39.49
14	22	28011.6	21040.6	324.7	0.31	-1.10	46.08
	104	-11761.6	-20608.6	-324.7	-0.31	-0.20	37.22
15	22	27234.3	-19653.0	146.4	-0.23	0.50	-39.06
	104	-10984.3	19653.0	697.4	0.23	0.60	-39.55
16	22	22931.3	19832.7	2207.9	-0.21	-4.91	42.18
	104	-6681.3	-19832.7	-1364.2	0.21	-2.24	37.15
17	22	31094.2	-20752.4	-906.9	-0.05	2.13	-40.95
	104	-14844.2	20493.2	906.9	0.05	1.50	-41.55
18	22	26791.3	18733.3	1154.7	-0.03	-3.28	40.29
	104	-10541.3	-18992.5	-1154.7	0.03	-1.34	35.16
19	22	36250.2	-32963.2	-2510.5	0.24	5.91	-64.83
	104	-20000.2	32963.2	2206.7	-0.24	3.52	-67.02
20	22	29078.6	32846.4	925.4	0.27	-3.10	70.56
	104	-12828.6	-32846.4	-1229.2	-0.27	-1.21	60.82
21	22	33415.0	-32118.5	-2180.0	0.20	5.47	-63.50
	104	-17165.0	32377.7	2180.0	-0.20	3.25	-65.50
22	22	26243.4	33691.1	1255.9	0.22	-3.54	71.90
	104	-9993.4	-33431.9	-1255.9	-0.22	-1.48	62.35
23	22	30366.8	-32843.2	-1050.1	-0.12	3.19	-65.84
	104	-14116.8	32843.2	1556.3	0.12	2.02	-65.54
24	22	23195.2	32966.4	2385.9	-0.09	-5.83	69.56
	104	-6945.2	-32966.4	-1879.6	0.09	-2.71	62.31
25	22	32682.8	-33502.9	-1682.0	-0.01	4.17	-66.97
	104	-16432.8	33347.3	1682.0	0.01	2.56	-66.73
26	22	25511.2	32306.7	1753.9	0.02	-4.85	68.43
	104	-9261.2	-32462.2	-1753.9	-0.02	-2.17	61.11
27	22	22149.2	-3856.9	1246.5	0.24	-3.21	-9.02
	104	-9649.2	3856.9	-1246.5	-0.24	-1.78	-6.43
28	22	21010.7	-895.3	1105.8	0.62	-2.86	-0.26
	104	-8510.7	895.3	-1105.8	-0.62	-1.56	-3.34
29	22	25115.2	-5740.8	513.6	-0.44	-1.45	-14.73
	104	-12615.2	5740.8	-513.6	0.44	-0.63	-8.24
30	22	24621.5	541.9	-489.9	-0.01	1.01	3.74
	104	-12121.5	-541.9	489.9	0.01	0.95	-1.56
31	22	26828.5	632.3	-1316.6	-0.44	3.01	3.87
	104	-14328.5	-632.3	1316.6	0.44	2.25	-1.32
32	22	25690.0	3593.9	-1457.3	-0.06	3.36	12.63
	104	-13190.0	-3593.9	1457.3	0.06	2.47	1.77
33	22	21320.2	4131.1	44.5	0.82	-0.27	14.47
	104	-8820.2	-4131.1	-44.5	-0.82	0.11	2.05
34	22	22724.0	5477.8	-724.4	0.62	1.60	18.34
	104	-10224.0	-5477.8	724.4	-0.62	1.32	3.58
35	22	22252.5	67.5	-100.0	0.06	0.08	1.82
	104	-9752.5	-67.5	100.0	-0.06	0.32	-1.55
36	22	22809.5	214.8	-558.9	0.14	1.01	2.21
	104	-10309.5	-214.8	356.4	-0.14	0.82	-1.35
37	22	20919.3	777.9	-338.5	0.12	0.72	3.10
	104	-8419.3	-605.1	338.5	-0.12	0.63	-0.33

38	22	18887.2	294.7	414.7	-0.09	-0.80	1.54
	104	-6387.2	-294.7	-77.2	0.09	-0.18	-0.36
39	22	20431.2	-145.0	-6.6	-0.02	-0.15	0.78
	104	-7931.2	41.3	6.6	0.02	0.18	-1.16
40	22	22019.7	-12895.5	-781.7	0.02	1.88	-25.24
	104	-9519.7	12895.5	781.7	-0.02	1.24	-26.34
41	22	19151.1	13428.4	592.7	0.03	-1.72	28.92
	104	-6651.1	-13428.4	-592.7	-0.03	-0.65	24.79
42	22	23919.6	-131.5	-105.4	0.09	0.08	1.80
	104	-11419.6	131.5	105.4	-0.09	0.35	-2.33
43	22	22316.5	-3967.5	1162.4	0.23	-3.01	-9.35
	104	-9816.5	3967.5	-1162.4	-0.23	-1.44	-6.54
44	22	21138.1	-880.3	1031.4	0.63	-2.68	-0.22
	104	-8638.1	880.3	-1031.4	-0.63	-1.65	-3.32
45	22	25225.9	-5964.4	473.7	-0.46	-1.36	-15.40
	104	-12725.9	5964.4	-473.7	0.46	0.12	-8.47
46	22	26541.3	-4589.0	-247.7	-0.67	0.40	-11.45
	104	-14041.3	4589.0	247.7	0.67	1.25	-6.90
47	22	26701.1	617.4	-1242.2	-0.45	2.83	3.83
	104	-14201.1	-617.4	1242.2	0.45	2.34	-1.33
48	22	25522.7	3704.5	-1373.3	-0.05	3.16	12.96
	104	-13022.7	-3704.5	1373.3	0.05	2.13	1.88
49	22	21297.9	4326.0	36.9	0.85	-0.24	15.05
	104	-8798.0	-4326.0	-36.9	-0.85	-0.56	2.25
50	22	22613.3	5701.5	-684.5	0.64	1.51	19.01
	104	-10113.4	-5701.5	684.5	-0.64	0.57	3.81
51	22	19278.4	-2852.1	938.7	0.14	-2.43	-7.22
	104	-6778.4	2852.1	-938.7	-0.14	-1.16	-4.20
52	22	18329.1	-363.3	831.9	0.46	-2.16	0.14
	104	-5829.1	363.3	-831.9	-0.46	-1.33	-1.61
53	22	21633.1	-4443.9	377.4	-0.42	-1.09	-12.05
	104	-9133.1	4443.9	-377.4	0.42	0.11	-5.73
54	22	22702.1	-3319.3	-210.5	-0.58	0.34	-8.82
	104	-10202.1	3319.3	210.5	0.58	1.04	-4.46
55	22	22841.8	896.2	-1020.9	-0.40	2.33	3.54
	104	-10341.8	-896.2	1020.9	0.40	1.92	0.06
56	22	21892.4	3385.1	-1127.7	-0.09	2.60	10.91
	104	-9392.4	-3385.1	1127.7	0.09	1.75	2.65
57	22	18468.7	3852.3	21.5	0.64	-0.18	12.50
	104	-5968.7	-3852.3	-21.5	-0.64	-0.44	2.91
58	22	19537.7	4976.8	-566.4	0.47	1.25	15.73
	104	-7037.7	-4976.8	566.4	-0.47	0.48	4.19
1	104	10840.3	-2316.2	-152.3	0.26	-0.26	1.97
	189	-6631.6	2316.2	152.3	-0.26	0.42	-4.37
2	104	16006.1	-5837.3	-193.4	0.49	-0.33	4.91
	189	-11797.4	5837.3	193.4	-0.49	0.53	-10.95
3	104	20581.9	27575.9	-1305.0	0.18	-2.60	41.25
	189	-16373.2	-27575.9	1226.3	-0.18	3.92	-12.68
4	104	17818.3	29794.1	-1529.5	0.48	-2.32	39.92
	189	-13609.5	-29751.8	1529.5	-0.48	3.91	-9.08
5	104	14489.0	31302.8	-1296.1	0.63	-0.98	39.04
	189	-10280.2	-31302.8	1427.2	-0.63	2.39	-6.61
6	104	16728.3	29550.4	-1020.5	0.20	-1.56	40.02
	189	-12519.5	-29575.7	1020.5	-0.20	2.61	-9.39
7	104	18339.6	-43465.0	672.6	0.39	0.24	-28.89
	189	-14130.9	43465.0	-751.2	-0.39	-0.98	-16.14
8	104	15576.0	-41246.9	448.1	0.70	0.52	-30.22
	189	-11367.2	41289.1	-448.1	-0.70	-0.98	-12.54

9	104	12246.7	-39738.1	681.5	0.84	1.86	-31.10
	189	-8037.9	39738.1	-550.4	-0.84	-2.50	-10.07
10	104	14486.0	-41490.6	957.0	0.41	1.29	-30.12
	189	-10277.2	41465.3	-957.0	-0.41	-2.28	-12.85
11	104	20302.1	27931.6	-1366.3	-0.07	-3.14	40.63
	189	-16093.3	-27931.6	1235.2	0.07	4.49	-11.70
12	104	18059.8	-43109.3	611.3	0.14	-0.30	-29.50
	189	-13851.0	43109.3	-742.4	-0.14	-0.40	-15.16
13	104	15696.0	31628.5	-1740.5	0.44	-2.67	38.41
	189	-11487.3	-31558.1	1740.5	-0.44	4.48	-5.69
14	104	13453.7	-39412.4	237.1	0.65	0.17	-31.73
	189	-9245.0	39482.8	-237.1	-0.65	-0.41	-9.15
15	104	10147.2	34143.1	-1351.5	0.68	-0.44	36.94
	189	-5938.4	-34143.1	1570.0	-0.68	1.95	-1.57
16	104	7904.9	-36897.8	626.1	0.89	2.40	-33.19
	189	-3696.1	36897.8	-407.6	-0.89	-2.94	-5.03
17	104	13879.4	31222.4	-892.2	-0.04	-1.40	38.58
	189	-9670.6	-31264.6	892.2	0.04	2.32	-6.20
18	104	11637.1	-39818.6	1085.4	0.18	1.45	-31.56
	189	-7428.3	39776.4	-1085.4	-0.18	-2.57	-9.66
19	104	18746.4	53016.8	-1943.6	-0.01	-3.52	63.16
	189	-14537.7	-53016.8	1864.9	0.01	5.49	-8.24
20	104	15009.3	-65384.8	1352.3	0.35	1.22	-53.73
	189	-10800.5	65384.8	-1431.0	-0.35	-2.66	-14.01
21	104	15982.8	55234.9	-2168.1	0.30	-3.24	61.83
	189	-11774.1	-55192.7	2168.1	-0.30	5.48	-4.63
22	104	12245.6	-63166.7	1127.8	0.66	1.50	-55.07
	189	-8036.9	63208.9	-1127.8	-0.66	-2.67	-10.40
23	104	12653.5	56743.7	-1934.7	0.44	-1.90	60.95
	189	-8444.7	-56743.7	2065.8	-0.44	3.97	-2.16
24	104	8916.3	-61657.9	1361.2	0.80	2.84	-55.95
	189	-4707.6	61657.9	-1230.1	-0.80	-4.18	-7.93
25	104	14892.8	54991.2	-1659.1	0.01	-2.47	61.93
	189	-10684.1	-55016.6	1659.1	-0.01	4.19	-4.94
26	104	11155.6	-63410.4	1636.8	0.37	2.27	-54.97
	189	-6946.9	63385.0	-1636.8	-0.37	-3.96	-10.71
27	104	9500.9	-3589.7	-225.1	0.91	1.99	4.00
	189	-6263.4	3589.7	225.1	-0.91	-1.82	-7.43
28	104	9242.8	-2342.2	-535.0	2.24	1.75	4.26
	189	-6005.3	2342.2	535.0	-2.24	-1.45	-6.34
29	104	11448.5	-5814.0	285.9	-1.50	0.75	3.19
	189	-8211.0	5814.0	-285.9	1.50	-0.79	-9.21
30	104	12429.6	-4393.9	-102.2	-0.03	-0.93	3.18
	189	-9192.1	4393.9	102.2	0.03	1.09	-7.83
31	104	14205.1	-5786.6	202.4	-1.55	-2.33	2.54
	189	-10967.6	5786.6	-202.4	1.55	2.37	-8.89
32	104	13947.0	-4539.1	-107.5	-0.23	-2.56	2.80
	189	-10709.5	4539.1	107.5	0.23	2.74	-7.80
33	104	10588.2	-1655.7	-746.8	2.92	-0.03	4.05
	189	-7350.7	1655.7	746.8	-2.92	0.45	-5.58
34	104	11999.4	-2314.7	-618.5	2.18	-1.32	3.61
	189	-8761.9	2314.7	618.5	-2.18	1.71	-6.01
35	104	10002.0	-2890.7	-152.6	0.27	-0.27	2.42
	189	-6764.5	2890.7	152.6	-0.27	0.42	-5.42
36	104	10583.2	-3121.8	-220.8	0.06	-0.82	2.29
	189	-7345.7	3121.8	168.3	-0.06	1.02	-5.53
37	104	8740.7	-1643.1	-370.4	0.26	-0.63	1.40
	189	-5503.2	1671.3	370.4	-0.26	1.01	-3.13
38	104	6521.2	-637.2	-214.8	0.36	0.27	0.82

	189	-3283.7	637.2	302.2	-0.36	0.00	-1.48
39	104	8014.1	-1805.6	-31.1	0.07	-0.12	1.47
	189	-4776.6	1788.7	31.1	-0.07	0.15	-3.33
40	104	9027.5	21963.3	-798.1	0.12	-1.19	24.82
	189	-5790.0	-21963.3	798.1	-0.12	2.02	-2.07
41	104	7532.7	-25397.3	520.3	0.26	0.70	-21.93
	189	-4295.2	25397.3	-520.3	-0.26	-1.24	-4.38
42	104	11723.9	-4064.4	-166.3	0.34	-0.29	3.40
	189	-8486.4	4064.4	166.3	-0.34	0.46	-7.61
43	104	9637.8	-3585.4	-226.1	0.91	1.64	4.02
	189	-6400.3	3585.4	226.1	-0.91	-1.70	-7.44
44	104	9397.5	-2275.5	-550.2	2.30	1.85	4.29
	189	-6160.0	2275.5	550.2	-2.30	-1.32	-6.30
45	104	11462.5	-5907.4	307.4	-1.59	-0.04	3.18
	189	-8225.0	5907.4	-307.4	1.59	-0.77	-9.29
46	104	12786.3	-6587.8	440.5	-2.35	-1.26	2.73
	189	-9548.8	6587.8	-440.5	2.35	0.42	-9.73
47	104	14050.4	-5853.3	217.6	-1.62	-2.43	2.51
	189	-10812.9	5853.3	-217.6	1.62	2.24	-8.92
48	104	13810.1	-4543.4	-106.5	-0.23	-2.21	2.78
	189	-10572.6	4543.4	106.5	0.23	2.62	-7.78
49	104	10661.6	-1541.0	-773.1	3.03	0.68	4.07
	189	-7424.1	1541.0	773.1	-3.03	0.50	-5.49
50	104	11985.4	-2221.4	-640.0	2.27	-0.54	3.62
	189	-8747.9	2221.4	640.0	-2.27	1.68	-5.93
51	104	6580.2	-1335.0	-185.8	0.65	1.33	1.95
	189	-3342.7	1335.0	185.8	-0.65	-1.37	-3.08
52	104	6384.5	-283.9	-446.1	1.76	1.50	2.16
	189	-3147.0	283.9	446.1	-1.76	-1.07	-2.17
53	104	8066.9	-3196.5	241.9	-1.36	-0.04	1.27
	189	-4829.4	3196.5	-241.9	1.36	-0.61	-4.57
54	104	9145.5	-3741.1	348.2	-1.97	-1.03	0.91
	189	-5908.0	3741.1	-348.2	1.97	0.36	-4.93
55	104	10175.6	-3150.1	168.4	-1.38	-1.99	0.73
	189	-6938.1	3150.1	-168.4	1.38	1.84	-4.28
56	104	9980.0	-2099.1	-91.9	-0.26	-1.81	0.94
	189	-6742.5	2099.1	91.9	0.26	2.15	-3.36
57	104	7414.6	307.1	-625.9	2.35	0.55	1.98
	189	-4177.1	-307.1	625.9	-2.35	0.42	-1.52
58	104	8493.3	-237.5	-519.6	1.74	-0.45	1.62
	189	-5255.8	237.5	519.6	-1.74	1.38	-1.87
1	25	46458.1	-2142.9	215.5	0.31	-1.53	-2.60
	105	-29119.4	2142.9	-215.5	-0.31	0.61	-6.54
2	25	62274.6	-4402.9	286.5	0.65	-2.01	-5.42
	105	-44935.9	4402.9	-286.5	-0.65	0.78	-13.37
3	25	70353.8	-10175.2	-3664.5	0.24	7.61	-17.27
	105	-53015.1	10175.2	3664.5	-0.24	8.03	-26.16
4	25	62026.2	-8293.4	-3309.7	-0.07	6.88	-14.68
	105	-44687.4	8906.4	3309.7	0.07	7.24	-22.11
5	25	56450.4	-8187.0	196.9	-0.49	-1.45	-14.79
	105	-39111.7	8187.0	-196.9	0.49	0.61	-20.15
6	25	62787.8	-9616.9	-898.2	-0.25	1.10	-16.85
	105	-45449.1	9249.1	898.2	0.25	2.74	-23.36
7	25	69992.7	-900.0	-43.2	1.90	-1.61	3.60
	105	-52653.9	900.0	43.2	-1.90	1.79	-7.44
8	25	61665.1	981.9	311.6	1.59	-2.34	6.19
	105	-44326.3	-368.8	-311.6	-1.59	1.01	-3.39
9	25	56089.3	1088.3	3818.2	1.17	-10.67	6.08

	105	-38750.5	-1088.3	-3818.2	-1.17	-5.63	-1.43
10	25	62426.7	-341.7	2723.2	1.41	-8.12	4.02
	105	-45088.0	-26.2	-2723.2	-1.41	-3.50	-4.64
11	25	67711.3	-9801.7	-5126.8	0.34	11.19	-16.80
	105	-50372.5	9801.7	5126.8	-0.34	10.69	-25.03
12	25	67350.2	-526.4	-1505.5	2.00	1.97	4.07
	105	-50011.4	526.4	1505.5	-2.00	4.46	-6.31
13	25	53831.9	-6665.3	-4535.6	-0.18	9.97	-12.49
	105	-36493.2	7687.1	4535.6	0.18	9.39	-18.29
14	25	53470.8	2609.9	-914.2	1.49	0.75	8.38
	105	-36132.1	-1588.2	914.2	-1.49	3.15	0.43
15	25	44538.9	-6488.0	1308.7	-0.87	-3.92	-12.67
	105	-27200.2	6488.0	-1308.7	0.87	-1.67	-15.02
16	25	44177.8	2787.3	4930.1	0.79	-13.14	8.20
	105	-26839.1	-2787.3	-4930.1	-0.79	-7.91	3.70
17	25	55101.3	-8871.2	-516.3	-0.47	0.33	-16.11
	105	-37762.6	8258.1	516.3	0.47	1.88	-20.36
18	25	54740.2	404.1	3105.0	1.19	-8.89	4.76
	105	-37401.5	-1017.1	-3105.0	-1.19	-4.36	-1.64
19	25	62565.9	-12137.0	-4907.0	-0.49	10.92	-22.81
	105	-45227.2	12137.0	4907.0	0.49	10.02	-28.99
20	25	61964.1	3321.8	1128.5	2.28	-4.44	11.97
	105	-44625.3	-3321.8	-1128.5	-2.28	-0.37	2.21
21	25	54238.3	-10255.2	-4552.3	-0.80	10.19	-20.22
	105	-36899.6	10868.2	4552.3	0.80	9.24	-24.94
22	25	53636.5	5203.6	1483.2	1.97	-5.17	14.55
	105	-36297.7	-4590.6	-1483.2	-1.97	-1.16	6.26
23	25	48662.5	-10148.8	-1045.7	-1.22	1.86	-20.34
	105	-31323.8	10148.8	1045.7	1.22	2.60	-22.98
24	25	48060.7	5310.0	4989.8	1.56	-13.51	14.44
	105	-30721.9	-5310.0	-4989.8	-1.56	-7.79	8.22
25	25	54999.9	-11578.7	-2140.7	-0.98	4.41	-22.40
	105	-37661.2	11210.9	2140.7	0.98	4.73	-26.18
26	25	54398.1	3880.1	3894.8	1.80	-10.96	12.38
	105	-37059.3	-4247.9	-3894.8	-1.80	-5.66	5.02
27	25	45232.5	-2878.5	5493.8	-0.02	-14.21	-3.28
	105	-31895.0	2878.5	-5493.8	0.02	-9.24	-9.00
28	25	43657.6	-693.7	4949.3	0.19	-12.89	1.81
	105	-30320.1	693.7	-4949.3	-0.19	-8.23	-4.77
29	25	48030.4	-6340.3	2572.5	-0.00	-7.17	-11.34
	105	-34692.9	6340.3	-2572.5	0.00	-3.81	-15.72
30	25	46228.9	-3481.4	-1383.7	0.58	2.39	-4.68
	105	-32891.4	3481.4	1383.7	-0.58	3.52	-10.18
31	25	47976.9	-5486.7	-4668.1	0.74	10.31	-9.35
	105	-34639.4	5486.7	4668.1	-0.74	9.62	-14.07
32	25	46402.0	-3301.9	-5212.7	0.95	11.63	-4.26
	105	-33064.5	3301.9	5212.7	-0.95	10.62	-9.84
33	25	42780.8	942.4	757.2	0.70	-2.77	5.63
	105	-29443.3	-942.4	-757.2	-0.70	-0.46	-1.60
34	25	43604.1	159.9	-2291.3	0.93	4.58	3.80
	105	-30266.6	-159.9	2291.3	-0.93	5.20	-3.12
35	25	40545.1	-2336.9	116.9	0.35	-1.13	-2.83
	105	-27207.6	2336.9	-116.9	-0.35	0.64	-7.14
36	25	40538.7	-2340.0	-1333.6	0.51	2.36	-2.83
	105	-27201.2	2340.0	1333.6	-0.51	3.33	-7.15
37	25	34986.9	-1085.5	-1097.1	0.30	1.88	-1.11
	105	-21649.4	1494.2	1097.1	-0.30	2.81	-4.46
38	25	31269.7	-1014.5	1240.6	0.03	-3.68	-1.18
	105	-17932.2	1014.5	-1240.6	-0.03	-1.62	-3.15

39	25	35494.7	-1967.8	510.6	0.19	-1.98	-2.56
	105	-22157.2	1722.6	-510.6	-0.19	-0.20	-5.29
40	25	35393.3	-4675.3	-1113.8	-0.32	2.10	-8.85
	105	-22055.8	4675.3	1113.8	0.32	2.66	-11.11
41	25	35152.6	1508.2	1300.4	0.79	-4.05	5.07
	105	-21815.1	-1508.2	-1300.4	-0.79	-1.50	1.37
42	25	45817.3	-3090.2	140.6	0.46	-1.29	-3.77
	105	-32479.8	3090.2	-140.6	-0.46	0.69	-9.42
43	25	45300.8	-2866.5	5168.0	-0.00	-13.42	-3.25
	105	-31963.3	2866.5	-5168.0	0.00	-8.63	-8.98
44	25	43653.0	-575.7	4657.6	0.21	-12.19	2.09
	105	-30315.5	575.7	-4657.6	-0.21	-7.69	-4.54
45	25	48161.5	-6497.5	2422.8	0.01	-6.81	-11.71
	105	-34824.0	6497.5	-2422.8	-0.01	-3.53	-16.02
46	25	48965.7	-7318.9	-440.5	0.22	0.10	-13.62
	105	-35628.2	7318.9	440.5	-0.22	1.78	-17.62
47	25	47981.6	-5604.7	-4376.5	0.72	9.60	-9.63
	105	-34644.1	5604.7	4376.5	-0.72	9.07	-14.30
48	25	46333.8	-3313.9	-4886.9	0.93	10.84	-4.29
	105	-32996.3	3313.9	4886.9	-0.93	10.02	-9.86
49	25	42668.8	1138.5	721.6	0.70	-2.69	6.08
	105	-29331.3	-1138.5	-721.6	-0.70	-0.39	-1.22
50	25	43473.0	317.1	-2141.7	0.92	4.22	4.17
	105	-30135.5	-317.1	2141.7	-0.92	4.92	-2.82
51	25	34854.7	-1406.7	4190.5	-0.14	-10.86	-1.48
	105	-21517.2	1406.7	-4190.5	0.14	-7.02	-4.52
52	25	33529.2	435.0	3774.6	0.03	-9.86	2.81
	105	-20191.7	-435.0	-3774.6	-0.03	-6.25	-0.95
53	25	37157.8	-4323.7	1953.2	-0.13	-5.47	-8.28
	105	-23820.3	4323.7	-1953.2	0.13	-2.87	-10.18
54	25	37806.4	-4982.3	-380.4	0.04	0.16	-9.81
	105	-24468.9	4982.3	380.4	-0.04	1.46	-11.46
55	25	37016.7	-3602.1	-3588.1	0.44	7.90	-6.59
	105	-23679.2	3602.1	3588.1	-0.44	7.41	-8.78
56	25	35691.2	-1760.4	-4003.9	0.61	8.91	-2.30
	105	-22353.7	1760.4	4003.9	-0.61	8.18	-5.21
57	25	32739.4	1815.2	566.9	0.43	-2.11	6.03
	105	-19401.9	-1815.2	-566.9	-0.43	-0.31	1.72
58	25	33388.1	1156.6	-1766.7	0.60	3.52	4.50
	105	-20050.6	-1156.6	1766.7	-0.60	4.02	0.44
1	105	34222.7	-3794.6	215.5	0.34	3.07	-3.72
	193	-21222.7	3794.6	-215.5	-0.34	-3.76	-8.42
2	105	47482.0	-7039.1	330.3	0.66	3.74	-6.59
	193	-34482.0	7039.1	-330.3	-0.66	-4.80	-15.94
3	105	57068.8	-19672.4	-178.7	0.80	4.54	-27.96
	193	-44068.8	19672.4	-226.3	-0.80	-4.61	-35.00
4	105	51161.8	-16781.0	520.5	0.25	2.96	-24.42
	193	-38161.8	17069.4	-520.5	-0.25	-4.62	-29.74
5	105	48420.6	-16542.4	5028.7	-0.31	-6.64	-24.82
	193	-35420.6	16542.4	-4785.7	0.31	-9.06	-28.11
6	105	52680.7	-18869.2	3424.8	0.12	-3.12	-27.81
	193	-39680.7	18696.2	-3424.8	-0.12	-7.84	-32.30
7	105	47926.7	2023.7	-4965.2	1.78	15.35	11.22
	193	-34926.7	-2023.7	4560.2	-1.78	-0.11	-4.75
8	105	42019.7	4915.0	-4266.0	1.24	13.77	14.76
	193	-29019.7	-4626.7	4266.0	-1.24	-0.12	0.51
9	105	39278.5	5153.7	242.2	0.68	4.18	14.35
	193	-26278.5	-5153.7	0.8	-0.68	-4.56	2.14

10	105	43538.6	2826.8	-1361.7	1.11	7.70	11.37
	193	-30538.6	-2999.8	1361.7	-1.11	-3.34	-2.05
11	105	53782.9	-19240.3	-2170.8	1.05	8.34	-27.71
	193	-40782.9	19240.3	1495.8	-1.05	-2.47	-33.86
12	105	44640.8	2455.8	-6957.3	2.04	19.15	11.47
	193	-31640.8	-2455.8	6282.3	-2.04	2.03	-3.61
13	105	43938.0	-14421.4	-1005.6	0.14	5.71	-21.82
	193	-30938.0	14902.0	1005.6	-0.14	-2.49	-25.10
14	105	34795.9	7274.6	-5792.1	1.13	16.52	17.36
	193	-21795.9	-6794.0	5792.1	-1.13	2.01	5.15
15	105	39369.3	-14023.7	6508.1	-0.79	-10.29	-22.49
	193	-26369.3	14023.7	-6103.1	0.79	-9.89	-22.38
16	105	30227.2	7672.4	1721.6	0.20	0.52	16.69
	193	-17227.2	-7672.4	-1316.6	-0.20	-5.39	7.87
17	105	46469.4	-17901.7	3835.0	-0.07	-4.42	-27.46
	193	-33469.4	17613.3	-3835.0	0.07	-7.85	-29.36
18	105	37327.3	3794.3	-951.5	0.92	6.39	11.72
	193	-24327.3	-4082.7	951.5	-0.92	-3.35	0.89
19	105	53486.5	-25282.1	1359.5	0.30	0.60	-39.58
	193	-40486.5	25282.1	-1764.5	-0.30	-5.60	-41.32
20	105	38249.6	10877.9	-6618.0	1.95	18.62	25.71
	193	-25249.6	-10877.9	6213.0	-1.95	1.91	9.10
21	105	47579.5	-22390.8	2058.6	-0.24	-0.98	-36.05
	193	-34579.5	22679.1	-2058.6	0.24	-5.61	-36.06
22	105	32342.7	13769.3	-5918.9	1.41	17.04	29.25
	193	-19342.7	-13480.9	5918.9	-1.41	1.90	14.35
23	105	44838.3	-22152.1	6566.9	-0.80	-10.58	-36.45
	193	-31838.3	22152.1	-6323.9	0.80	-10.04	-34.43
24	105	29601.5	14007.9	-1410.6	0.85	7.45	28.84
	193	-16601.5	-14007.9	1653.6	-0.85	-2.54	15.98
25	105	49098.4	-24479.0	4962.9	-0.37	-7.06	-39.43
	193	-36098.4	24306.0	-4962.9	0.37	-8.82	-38.62
26	105	33861.5	11681.1	-3014.6	1.28	10.97	25.86
	193	-20861.5	-11854.1	3014.6	-1.28	-1.32	11.79
27	105	39180.0	-4737.0	6041.5	-0.07	-9.48	-4.19
	193	-29180.0	4737.0	-6041.5	0.07	-9.85	-10.96
28	105	38124.1	-1915.5	6758.6	-0.43	-11.03	0.94
	193	-28124.1	1915.5	-6758.6	0.43	-10.60	-7.06
29	105	37762.5	-9155.4	947.1	0.86	1.32	-12.22
	193	-27762.5	9155.4	-947.1	-0.86	-4.34	-17.07
30	105	33731.8	-5418.8	-1507.3	0.69	6.44	-5.43
	193	-23731.8	5418.8	1507.3	-0.69	-1.62	-11.91
31	105	31610.3	-7956.3	-6123.6	1.38	16.20	-10.04
	193	-21610.3	7956.3	6123.6	-1.38	3.39	-15.43
32	105	30554.4	-5134.9	-5406.5	1.01	14.65	-4.91
	193	-20554.4	5134.9	5406.5	-1.01	2.64	-11.53
33	105	34242.9	249.4	3337.4	-0.35	-3.85	4.87
	193	-24242.9	-249.4	-3337.4	0.35	-6.84	-4.07
34	105	31971.9	-716.4	-312.1	0.08	3.86	3.12
	193	-21971.9	716.4	312.1	-0.08	-2.87	-5.41
35	105	30447.5	-3854.4	279.2	0.36	2.37	-3.60
	193	-20447.5	3854.4	-279.2	-0.36	-3.26	-8.74
36	105	29371.5	-3963.1	-1693.8	0.67	6.28	-3.83
	193	-19371.5	3963.1	1423.8	-0.67	-1.29	-8.85
37	105	25433.5	-2035.5	-1227.7	0.31	5.22	-1.47
	193	-15433.5	2227.8	1227.7	-0.31	-1.30	-5.35
38	105	23606.1	-1876.5	1777.8	-0.06	-1.17	-1.74
	193	-13606.1	1876.5	-1615.8	0.06	-4.26	-4.26
39	105	26446.1	-3427.7	708.5	0.23	1.17	-3.73

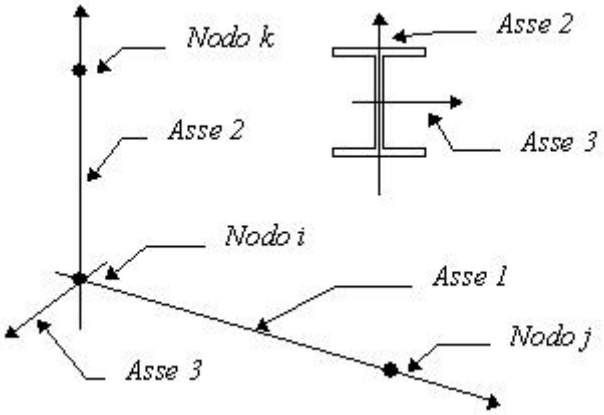
	193	-16446.1	3312.3	-708.5	-0.23	-3.44	-7.05
40	105	29075.0	-10004.9	1836.5	-0.07	-1.46	-15.70
	193	-19075.0	10004.9	-1836.5	0.07	-4.41	-16.31
41	105	22980.3	4459.1	-1354.5	0.58	5.75	10.42
	193	-12980.3	-4459.1	1354.5	-0.58	-1.41	3.85
42	105	34867.2	-4935.9	317.5	0.47	2.59	-4.55
	193	-24867.2	4935.9	-317.5	-0.47	-3.60	-11.24
43	105	38971.7	-4728.9	5680.1	-0.04	-8.72	-4.17
	193	-28971.7	4728.9	-5680.1	0.04	-9.46	-10.95
44	105	37892.9	-1800.8	6364.4	-0.41	-10.20	1.15
	193	-27892.9	1800.8	-6364.4	0.41	-10.17	-6.91
45	105	37734.7	-9314.7	888.4	0.88	1.45	-12.51
	193	-27734.7	9314.7	-888.4	-0.88	-4.28	-17.29
46	105	35595.6	-10317.3	-2534.5	1.30	8.68	-14.34
	193	-25595.6	10317.3	2534.5	-1.30	-0.56	-18.68
47	105	31841.5	-8071.0	-5729.4	1.35	15.38	-10.25
	193	-21841.5	8071.0	5729.4	-1.35	2.96	-15.58
48	105	30762.8	-5143.0	-5045.1	0.98	13.89	-4.93
	193	-20762.8	5143.0	5045.1	-0.98	2.25	-11.53
49	105	34138.8	445.4	3169.4	-0.36	-3.50	5.23
	193	-24138.8	-445.4	-3169.4	0.36	-6.65	-3.81
50	105	31999.8	-557.2	-253.4	0.06	3.73	3.41
	193	-21999.8	557.2	253.4	-0.06	-2.92	-5.19
51	105	29371.4	-2601.3	4610.6	-0.16	-7.07	-2.33
	193	-19371.4	2601.3	-4610.6	0.16	-7.68	-5.99
52	105	28500.4	-242.7	5165.9	-0.46	-8.28	1.96
	193	-18500.4	242.7	-5165.9	0.46	-8.26	-2.73
53	105	28351.8	-6298.8	709.6	0.58	1.21	-9.05
	193	-18351.8	6298.8	-709.6	-0.58	-3.47	-11.10
54	105	26606.9	-7109.3	-2078.8	0.92	7.09	-10.53
	193	-16606.9	7109.3	2078.8	-0.92	-0.43	-12.22
55	105	23555.0	-5303.2	-4684.0	0.97	12.56	-7.24
	193	-13555.0	5303.2	4684.0	-0.97	2.43	-9.73
56	105	22684.0	-2944.5	-4128.7	0.67	11.35	-2.95
	193	-12684.0	2944.5	4128.7	-0.67	1.86	-6.47
57	105	25448.5	1563.4	2560.7	-0.41	-2.81	5.24
	193	-15448.5	-1563.4	-2560.7	0.41	-5.39	-0.24
58	105	23703.6	752.9	-227.7	-0.07	3.08	3.77
	193	-13703.6	-752.9	227.7	0.07	-2.36	-1.36

- Sollecitazioni nelle travi

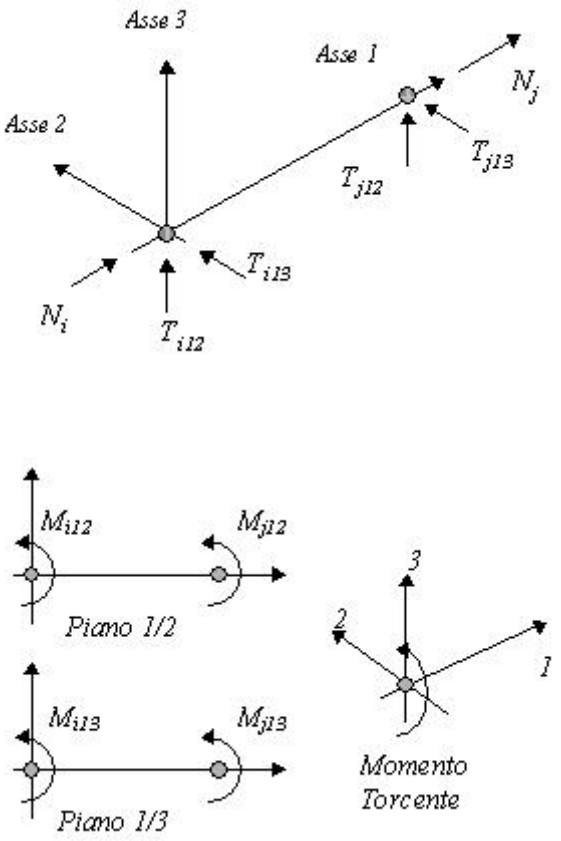
- Convenzioni adottate

Le sollecitazioni nelle travi sono da intendersi nel sistema di riferimento locale dell'elemento, e si riferiscono all'asta. L'orientamento della trave nello spazio è definito a mezzo del nodo *K*.

La terna di riferimento locale dell'asta è così disposta:



Per qunto concerne i segni positivi assunti per le varie componenti di sollecitazione si assumono come positivi i versi e le sollecitazioni se così diretti:



Per ogni trave vengono riportate, nelle varie combinazioni di carico, le componenti di sollecitazione alle estremità dell'asta.

Comb.	Nodo	N [N]	T1-2 [N]	T1-3 [N]	Mt [kNm]	M1-3 [kNm]	M1-2 [kNm]
1	52	-145.0	604.2	8.6	-0.00	-0.01	0.59
	36	61.7	-256.9	-8.6	-0.00	0.00	-0.00
2	52	-325.0	1354.3	31.4	0.00	-0.04	1.63
	36	241.7	-1007.0	-31.4	-0.00	0.00	-0.02
3	52	-325.0	1354.3	658.2	-0.00	-0.90	1.63
	36	241.7	-1007.0	-658.2	0.00	0.00	-0.02
4	52	-325.0	1735.0	613.1	-0.00	-0.84	2.15
	36	241.7	-1387.8	-613.1	0.00	0.00	-0.02
5	52	-325.0	1354.3	630.2	-0.00	-0.86	1.63
	36	241.7	-1007.0	-630.2	0.00	0.00	-0.02
6	52	-325.0	1068.7	664.2	-0.00	-0.91	1.23
	36	241.7	-721.4	-664.2	0.00	0.00	-0.01
7	52	-325.0	1354.3	-563.8	0.00	0.77	1.62
	36	241.7	-1007.0	563.8	-0.00	-0.00	-0.02
8	52	-325.0	1735.0	-609.0	0.00	0.83	2.15
	36	241.7	-1387.8	609.0	-0.00	-0.00	-0.02
9	52	-325.0	1354.3	-591.9	0.00	0.81	1.63
	36	241.7	-1007.0	591.9	-0.00	-0.00	-0.02
10	52	-325.0	1068.7	-557.9	0.00	0.76	1.23
	36	241.7	-721.4	557.9	-0.00	-0.00	-0.01
11	52	-235.0	979.2	657.3	0.00	-0.90	1.11
	36	151.7	-631.9	-657.3	0.00	0.00	-0.01
12	52	-235.0	979.2	-564.7	0.00	0.77	1.11

	36	151.7	-631.9	564.7	-0.00	-0.00	-0.01
13	52	-235.0	1613.8	582.1	-0.00	-0.79	1.98
	36	151.7	-1266.6	-582.1	0.00	0.00	-0.02
14	52	-235.0	1613.8	-639.9	0.00	0.87	1.98
	36	151.7	-1266.6	639.9	-0.00	-0.00	-0.02
15	52	-235.0	979.2	610.7	-0.00	-0.83	1.11
	36	151.7	-631.9	-610.7	0.00	0.00	-0.01
16	52	-235.0	979.2	-611.4	-0.00	0.83	1.11
	36	151.7	-631.9	611.4	-0.00	-0.00	-0.01
17	52	-235.0	503.2	667.2	-0.00	-0.91	0.45
	36	151.7	-156.0	-667.2	0.00	0.00	-0.00
18	52	-235.0	503.2	-554.9	0.00	0.76	0.45
	36	151.7	-156.0	554.9	-0.00	-0.00	-0.00
19	52	-235.0	979.2	1054.2	-0.00	-1.44	1.11
	36	151.7	-631.9	-1054.2	0.00	0.00	-0.01
20	52	-235.0	979.2	-982.6	0.00	1.34	1.11
	36	151.7	-631.9	982.6	-0.00	-0.00	-0.01
21	52	-235.0	1360.0	1009.1	-0.00	-1.37	1.63
	36	151.7	-1012.7	-1009.1	0.00	0.00	-0.02
22	52	-235.0	1360.0	-1027.7	0.00	1.40	1.63
	36	151.7	-1012.7	1027.7	-0.00	-0.00	-0.02
23	52	-235.0	979.2	1026.2	-0.00	-1.40	1.11
	36	151.7	-631.9	-1026.2	0.00	0.00	-0.01
24	52	-235.0	979.2	-1010.6	0.00	1.38	1.11
	36	151.7	-631.9	1010.6	-0.00	-0.00	-0.01
25	52	-235.0	693.6	1060.1	-0.00	-1.44	0.71
	36	151.7	-346.4	-1060.1	0.00	0.00	-0.01
26	52	-235.0	693.6	-976.7	0.00	1.33	0.71
	36	151.7	-346.4	976.7	-0.00	-0.00	-0.01
27	52	-248.3	957.1	-34.9	-0.00	0.05	1.13
	36	184.2	-690.0	34.9	0.00	-0.00	-0.01
28	52	-216.3	946.2	-82.5	-0.00	0.11	1.12
	36	152.2	-679.1	82.5	0.00	0.00	-0.01
29	52	-282.2	966.7	76.5	0.00	-0.10	1.15
	36	218.1	-699.6	-76.5	0.00	-0.00	-0.01
30	52	-225.8	945.9	45.0	0.00	-0.06	1.12
	36	161.7	-678.8	-45.0	0.00	-0.00	-0.01
31	52	-238.4	948.2	124.6	0.00	-0.17	1.12
	36	174.3	-681.1	-124.6	-0.00	0.00	-0.01
32	52	-206.4	937.3	77.0	0.00	-0.10	1.11
	36	142.3	-670.2	-77.0	-0.00	0.00	-0.01
33	52	-175.5	930.4	-82.2	-0.00	0.11	1.10
	36	111.4	-663.3	82.2	0.00	-0.00	-0.01
34	52	-172.5	927.7	-34.4	0.00	0.05	1.09
	36	108.4	-660.6	34.4	-0.00	0.00	-0.01
35	52	-167.3	697.2	13.4	0.00	-0.02	0.78
	36	103.2	-430.1	-13.4	-0.00	0.00	-0.01
36	52	-107.3	447.2	16.4	0.00	-0.02	0.43
	36	43.2	-180.0	-16.4	-0.00	0.00	-0.00
37	52	-107.3	701.0	-13.7	0.00	0.02	0.78
	36	43.2	-433.9	13.7	-0.00	0.00	-0.01
38	52	-107.3	447.2	-2.3	-0.00	0.00	0.43
	36	43.2	-180.0	2.3	0.00	0.00	-0.00
39	52	-107.3	256.8	20.3	0.00	-0.03	0.17
	36	43.2	10.4	-20.3	-0.00	-0.00	-0.00
40	52	-107.3	447.2	413.2	-0.00	-0.56	0.43

	36	43.2	-180.0	-413.2	0.00	0.00	-0.00
41	52	-107.3	447.2	-401.5	0.00	0.55	0.43
	36	43.2	-180.0	401.5	-0.00	-0.00	-0.00
42	52	-227.3	947.2	21.1	0.00	-0.03	1.12
	36	163.2	-680.1	-21.1	-0.00	0.00	-0.01
43	52	-245.4	956.5	-37.9	-0.00	0.05	1.13
	36	181.3	-689.4	37.9	0.00	-0.00	-0.01
44	52	-217.4	946.9	-84.3	-0.00	0.11	1.12
	36	153.3	-679.8	84.3	0.00	-0.00	-0.01
45	52	-275.3	964.5	73.8	0.00	-0.10	1.14
	36	211.2	-697.4	-73.8	-0.00	-0.00	-0.01
46	52	-272.8	961.8	123.1	0.00	-0.17	1.14
	36	208.7	-694.7	-123.1	-0.00	-0.00	-0.01
47	52	-237.3	947.5	126.4	0.00	-0.17	1.12
	36	173.1	-680.4	-126.4	-0.00	0.00	-0.01
48	52	-209.2	938.0	80.0	0.00	-0.11	1.11
	36	145.1	-670.8	-80.0	-0.00	0.00	-0.01
49	52	-181.8	932.6	-81.0	0.00	0.11	1.10
	36	117.7	-665.5	81.0	-0.00	0.00	-0.01
50	52	-179.4	929.9	-31.7	0.00	0.04	1.10
	36	115.3	-662.8	31.7	-0.00	0.00	-0.01
51	52	-122.0	454.7	-41.9	-0.00	0.06	0.44
	36	57.9	-187.6	41.9	0.00	-0.00	-0.00
52	52	-99.2	446.9	-79.3	-0.00	0.11	0.43
	36	35.1	-179.8	79.3	0.00	-0.00	-0.00
53	52	-146.3	461.2	48.2	-0.00	-0.07	0.45
	36	82.2	-194.1	-48.2	0.00	-0.00	-0.00
54	52	-144.3	459.1	88.1	-0.00	-0.12	0.45
	36	80.2	-191.9	-88.1	0.00	-0.00	-0.00
55	52	-115.4	447.4	91.0	0.00	-0.12	0.43
	36	51.3	-180.3	-91.0	-0.00	0.00	-0.00
56	52	-92.6	439.6	53.6	0.00	-0.07	0.42
	36	28.5	-172.5	-53.6	-0.00	0.00	-0.00
57	52	-70.3	435.3	-76.4	-0.00	0.10	0.41
	36	6.2	-168.1	76.4	0.00	-0.00	-0.00
58	52	-68.3	433.1	-36.5	0.00	0.05	0.41
	36	4.2	-166.0	36.5	0.00	0.00	-0.00
1	81	-224.0	369.6	94.0	-0.04	0.03	-3.83
	52	-1511.5	6861.7	-94.0	0.04	-0.25	-3.59
2	81	69.1	-890.4	166.9	-0.06	0.04	-5.42
	52	-1804.6	8121.6	-166.9	0.06	-0.42	-4.89
3	81	7182.1	-1085.1	-3908.8	-0.40	4.51	-3.79
	52	-8917.6	8316.4	3908.8	0.40	4.43	-6.96
4	81	6971.7	-109.6	-4308.4	-0.44	4.46	-5.12
	52	-8707.2	7340.9	4308.4	0.44	5.40	-3.40
5	81	6908.2	-967.5	-4011.0	-0.49	4.46	-3.82
	52	-8643.7	8198.8	4011.0	0.49	4.72	-6.66
6	81	8876.7	-1876.9	-3726.3	-0.44	4.49	-2.78
	52	-10612.2	9108.2	3726.3	0.44	4.03	-9.79
7	81	-6747.9	-824.8	4358.2	0.37	-4.36	-7.01
	52	5012.4	8056.0	-4358.2	-0.37	-5.61	-3.15
8	81	-6958.2	150.8	3958.5	0.33	-4.41	-8.34
	52	5222.7	7080.5	-3958.5	-0.33	-4.65	0.41
9	81	-7021.7	-707.1	4255.9	0.29	-4.42	-7.04
	52	5286.2	7938.4	-4255.9	-0.29	-5.32	-2.85

	81	-5053.3	-1616.5	4540.6	0.33	-4.38	-6.00
	52	3317.8	8847.8	-4540.6	-0.33	-6.01	-5.97
11	81	7134.2	-498.2	-3906.6	-0.35	4.52	-2.99
	52	-8869.7	7729.5	3906.6	0.35	4.42	-6.42
12	81	-6795.8	-237.9	4360.3	0.42	-4.35	-6.21
	52	5060.3	7469.1	-4360.3	-0.42	-5.63	-2.61
13	81	6783.6	1127.7	-4572.7	-0.43	4.44	-5.20
	52	-8519.1	6103.6	4572.7	0.43	6.02	-0.49
14	81	-7146.3	1388.0	3694.2	0.34	-4.43	-8.42
	52	5410.8	5843.2	-3694.2	-0.34	-4.02	3.32
15	81	6677.7	-302.2	-4077.0	-0.50	4.43	-3.04
	52	-8413.2	7533.4	4077.0	0.50	4.90	-5.93
16	81	-7252.2	-41.8	4189.9	0.27	-4.44	-6.26
	52	5516.7	7273.1	-4189.9	-0.27	-5.15	-2.11
17	81	9958.5	-1817.8	-3602.6	-0.43	4.50	-1.30
	52	-11694.0	9049.1	3602.6	0.43	3.75	-11.13
18	81	-3971.4	-1557.5	4664.3	0.34	-4.38	-4.52
	52	2235.9	8788.7	-4664.3	-0.34	-6.30	-7.31
19	81	11678.8	-542.0	-6700.8	-0.64	7.46	-1.93
	52	-13414.3	7773.2	6700.8	0.64	7.87	-7.59
20	81	-11537.7	-108.0	7077.4	0.64	-7.33	-7.29
	52	9802.2	7339.3	-7077.4	-0.64	-8.87	-1.23
21	81	11468.5	433.6	-7100.5	-0.69	7.41	-3.25
	52	-13204.0	6797.7	7100.5	0.69	8.83	-4.03
22	81	-11748.1	867.5	6677.7	0.59	-7.37	-8.62
	52	10012.6	6363.7	-6677.7	-0.59	-7.91	2.33
23	81	11404.9	-424.3	-6803.0	-0.73	7.41	-1.96
	52	-13140.4	7655.6	6803.0	0.73	8.16	-7.29
24	81	-11811.6	9.6	6975.2	0.55	-7.38	-7.32
	52	10076.1	7221.6	-6975.2	-0.55	-8.58	-0.93
25	81	13373.4	-1333.7	-6518.4	-0.69	7.45	-0.92
	52	-15108.9	8565.0	6518.4	0.69	7.47	-10.41
26	81	-9843.1	-899.8	7259.8	0.60	-7.34	-6.28
	52	8107.6	8131.0	-7259.8	-0.60	-9.27	-4.05
27	81	-1140.4	-766.3	943.5	-0.34	-1.18	-3.85
	52	-194.6	6328.8	-943.5	0.34	-1.01	-4.26
28	81	-3013.2	533.6	1719.8	-0.18	-1.52	-4.40
	52	1678.2	5028.9	-1719.8	0.18	-2.59	-0.75
29	81	2573.2	-2590.9	-816.1	-0.39	0.20	-3.11
	52	-3908.2	8153.4	816.1	0.39	1.88	-9.18
30	81	762.2	-688.7	-253.9	0.01	0.45	-3.93
	52	-2097.2	6251.2	253.9	-0.01	0.16	-4.01
31	81	3227.3	-1646.8	-1495.8	0.08	1.59	-3.55
	52	-4562.3	7209.3	1495.8	-0.08	2.01	-6.58
32	81	1354.5	-347.0	-719.4	0.24	1.24	-4.09
	52	-2689.5	5909.5	719.4	-0.24	0.44	-3.06
33	81	-3669.4	1741.9	1771.9	0.16	-0.96	-4.93
	52	2334.4	3820.6	-1771.9	-0.16	-3.37	2.55
34	81	-2359.1	1477.7	1040.1	0.29	-0.13	-4.84
	52	1024.1	4084.8	-1040.1	-0.29	-2.46	1.85
35	81	9.4	-136.6	87.7	-0.04	0.03	-3.45
	52	-1344.4	5699.1	-87.7	0.04	-0.23	-3.23
36	81	10.3	240.3	102.0	-0.00	0.04	-2.91
	52	-1345.3	5322.2	-102.0	0.00	-0.28	-2.91
37	81	-129.9	890.6	-164.4	-0.03	0.01	-3.79
	52	-1205.1	4671.9	164.4	0.03	0.36	-0.53

	81	-172.3	318.7	33.9	-0.06	0.01	-2.93
	52	-1162.7	5243.8	-33.9	0.06	-0.09	-2.71
39	81	1140.1	-287.6	223.6	-0.03	0.03	-2.23
	52	-2475.1	5850.1	-223.6	0.03	-0.55	-4.79
40	81	4555.0	196.6	-2692.2	-0.29	2.98	-1.84
	52	-5890.0	5365.9	2692.2	0.29	3.18	-4.07
41	81	-4731.6	370.1	2819.1	0.22	-2.93	-3.99
	52	3396.6	5192.4	-2819.1	-0.22	-3.52	-1.53
42	81	107.1	-556.6	112.0	-0.05	0.03	-3.97
	52	-1442.1	6119.1	-112.0	0.05	-0.29	-3.66
43	81	-1294.0	-694.3	988.2	-0.35	-1.22	-3.88
	52	-41.0	6256.8	-988.2	0.35	-1.08	-4.07
44	81	-3022.7	474.3	1781.3	-0.18	-1.58	-4.37
	52	1687.7	5088.2	-1781.3	0.18	-2.66	-0.91
45	81	2308.7	-2370.2	-828.0	-0.39	0.20	-3.21
	52	-3643.7	7932.7	828.0	0.39	1.88	-8.58
46	81	3667.9	-2638.2	-1591.6	-0.27	1.06	-3.12
	52	-5002.9	8200.7	1591.6	0.27	2.83	-9.28
47	81	3236.9	-1587.5	-1557.3	0.08	1.65	-3.58
	52	-4571.9	7150.0	1557.3	-0.08	2.09	-6.42
48	81	1508.2	-418.9	-764.2	0.25	1.29	-4.07
	52	-2843.2	5981.4	764.2	-0.25	0.50	-3.26
49	81	-3453.8	1525.0	1815.7	0.17	-1.00	-4.83
	52	2118.8	4037.5	-1815.7	-0.17	-3.41	1.96
50	81	-2094.5	1257.0	1052.0	0.30	-0.14	-4.74
	52	759.5	4305.5	-1052.0	-0.30	-2.46	1.25
51	81	-1222.3	170.7	771.0	-0.28	-1.00	-2.84
	52	-112.7	5391.8	-771.0	0.28	-0.80	-3.13
52	81	-2622.2	1121.7	1406.9	-0.14	-1.29	-3.24
	52	1287.2	4440.8	-1406.9	0.14	-2.07	-0.56
53	81	1694.6	-1192.8	-688.8	-0.32	0.16	-2.29
	52	-3029.6	6755.3	688.8	0.32	1.58	-6.80
54	81	2795.0	-1410.5	-1304.1	-0.21	0.85	-2.22
	52	-4130.0	6973.0	1304.1	0.21	2.34	-7.37
55	81	2445.5	-555.0	-1280.0	0.07	1.33	-2.60
	52	-3780.5	6117.5	1280.0	-0.07	1.74	-5.04
56	81	1045.7	396.0	-644.0	0.21	1.04	-2.99
	52	-2380.7	5166.5	644.0	-0.21	0.46	-2.46
57	81	-2971.6	1977.2	1431.0	0.14	-0.81	-3.62
	52	1636.6	3585.3	-1431.0	-0.14	-2.68	1.77
58	81	-1871.3	1759.5	815.7	0.24	-0.11	-3.54
	52	536.3	3803.0	-815.7	-0.24	-1.92	1.20
1	147	307.5	-2286.8	-43.8	0.17	-0.00	-1.60
	118	-1555.5	7486.8	43.8	-0.17	0.07	-6.44
2	147	573.8	-3687.7	-97.6	0.21	-0.01	-2.37
	118	-1821.8	8887.7	97.6	-0.21	0.17	-7.98
3	147	2104.4	-2240.4	-5336.8	-1.09	3.25	-2.19
	118	-3352.4	7440.4	5336.8	1.09	5.53	-5.78
4	147	980.4	-1868.2	-5917.0	-1.05	3.17	-3.14
	118	-2228.4	7068.2	5917.0	1.05	6.56	-4.21
5	147	2021.5	-2283.0	-5473.8	-1.05	3.24	-2.17
	118	-3269.5	7483.0	5473.8	1.05	5.77	-5.86
6	147	5071.7	-2651.8	-5041.3	-1.07	3.30	-1.38
	118	-6319.7	7851.8	5041.3	1.07	5.00	-7.26
7	147	-868.2	-5090.6	5288.5	1.47	-3.25	-2.56

	118	-379.8	10290.6	-5288.5	-1.47	-5.45	-10.09
8	147	-1992.2	-4718.5	4708.2	1.51	-3.33	-3.52
	118	744.2	9918.5	-4708.2	-1.51	-4.41	-8.52
9	147	-951.1	-5133.2	5151.4	1.51	-3.27	-2.55
	118	-296.9	10333.2	-5151.4	-1.51	-5.21	-10.18
10	147	2099.1	-5502.1	5583.9	1.49	-3.21	-1.76
	118	-3347.1	10702.1	-5583.9	-1.49	-5.98	-11.58
11	147	2000.9	-1525.2	-5260.8	-1.13	3.26	-1.81
	118	-3248.9	6725.2	5260.8	1.13	5.40	-4.98
12	147	-971.7	-4375.4	5364.4	1.43	-3.25	-2.19
	118	-276.3	9575.4	-5364.4	-1.43	-5.58	-9.29
13	147	127.5	-904.9	-6227.9	-1.06	3.13	-3.40
	118	-1375.5	6104.9	6227.9	1.06	7.12	-2.37
14	147	-2845.1	-3755.2	4397.4	1.50	-3.38	-3.78
	118	1597.1	8955.2	-4397.4	-1.50	-3.86	-6.68
15	147	1862.7	-1596.1	-5489.3	-1.05	3.24	-1.79
	118	-3110.7	6796.1	5489.3	1.05	5.79	-5.12
16	147	-1109.9	-4446.4	5136.0	1.51	-3.27	-2.16
	118	-138.1	9646.4	-5136.0	-1.51	-5.18	-9.43
17	147	6946.3	-2210.9	-4768.5	-1.09	3.33	-0.46
	118	-8194.3	7410.9	4768.5	1.09	4.51	-7.45
18	147	3973.7	-5061.2	5856.8	1.47	-3.17	-0.84
	118	-5221.7	10261.2	-5856.8	-1.47	-6.46	-11.77
19	147	2962.2	-589.9	-8851.6	-1.97	5.42	-1.68
	118	-4210.2	5789.9	8851.6	1.97	9.14	-3.57
20	147	-1992.1	-5340.3	8857.1	2.30	-5.42	-2.31
	118	744.1	10540.3	-8857.1	-2.30	-9.15	-10.76
21	147	1838.1	-217.7	-9431.8	-1.93	5.35	-2.63
	118	-3086.1	5417.7	9431.8	1.93	10.17	-2.00
22	147	-3116.2	-4968.2	8276.9	2.34	-5.50	-3.26
	118	1868.2	10168.2	-8276.9	-2.34	-8.12	-9.19
23	147	2879.2	-632.4	-8988.6	-1.92	5.41	-1.66
	118	-4127.2	5832.4	8988.6	1.92	9.38	-3.65
24	147	-2075.1	-5382.9	8720.1	2.35	-5.43	-2.29
	118	827.1	10582.9	-8720.1	-2.35	-8.92	-10.84
25	147	5929.4	-1001.3	-8556.2	-1.95	5.47	-0.87
	118	-7177.4	6201.3	8556.2	1.95	8.61	-5.05
26	147	975.1	-5751.7	9152.6	2.32	-5.38	-1.50
	118	-2223.1	10951.7	-9152.6	-2.32	-9.68	-12.24
27	147	245.9	-3504.6	-484.2	0.56	-0.58	-1.30
	118	-1205.9	7504.6	484.2	-0.56	1.35	-7.72
28	147	-1283.0	-2642.5	-1347.8	0.69	-0.95	-1.98
	118	323.0	6642.5	1347.8	-0.69	3.11	-5.64
29	147	2696.6	-4161.1	1116.8	0.09	0.39	-0.61
	118	-3656.6	8161.1	-1116.8	-0.09	-2.18	-9.51
30	147	720.2	-2424.6	186.2	0.02	0.22	-1.80
	118	-1680.2	6424.6	-186.2	-0.02	-0.52	-5.49
31	147	2151.6	-2506.3	1211.5	-0.37	0.95	-1.55
	118	-3111.6	6506.3	-1211.5	0.37	-2.88	-5.89
32	147	622.7	-1644.1	347.9	-0.24	0.57	-2.22
	118	-1582.7	5644.1	-347.9	0.24	-1.12	-3.81
33	147	-2399.7	-1287.2	-1761.8	0.51	-0.86	-2.85
	118	1439.7	5287.2	1761.8	-0.51	3.68	-2.57
34	147	-1828.0	-987.7	-1253.1	0.23	-0.40	-2.92
	118	868.0	4987.7	1253.1	-0.23	2.41	-2.02
35	147	345.6	-2107.4	-50.2	0.15	-0.00	-1.51

	118	-1305.6	6107.4	50.2	-0.15	0.08	-5.25
36	147	286.4	-1625.7	16.7	0.12	0.00	-1.26
	118	-1246.4	5625.7	-16.7	-0.12	-0.03	-4.71
37	147	-463.0	-1377.6	-370.1	0.14	-0.05	-1.89
	118	-497.0	5377.6	370.1	-0.14	0.66	-3.66
38	147	231.1	-1654.1	-74.6	0.15	-0.00	-1.25
	118	-1191.1	5654.1	74.6	-0.15	0.13	-4.77
39	147	2264.5	-1900.0	213.7	0.13	0.03	-0.72
	118	-3224.5	5900.0	-213.7	-0.13	-0.39	-5.70
40	147	1247.7	-690.4	-3574.0	-0.72	2.17	-1.13
	118	-2207.7	4690.4	3574.0	0.72	3.71	-3.30
41	147	-734.0	-2590.6	3509.5	0.99	-2.17	-1.38
	118	-226.0	6590.6	-3509.5	-0.99	-3.61	-6.18
42	147	434.3	-2574.4	-68.1	0.16	-0.00	-1.76
	118	-1394.3	6574.4	68.1	-0.16	0.12	-5.76
43	147	148.4	-3478.2	-500.6	0.57	-0.60	-1.34
	118	-1108.4	7478.2	500.6	-0.57	1.40	-7.64
44	147	-1254.3	-2700.3	-1372.9	0.70	-0.99	-1.95
	118	294.3	6700.3	1372.9	-0.70	3.20	-5.76
45	147	2476.1	-4025.3	1125.1	0.09	0.42	-0.72
	118	-3436.1	8025.3	-1125.1	-0.09	-2.23	-9.17
46	147	3068.4	-3716.4	1646.3	-0.20	0.89	-0.79
	118	-4028.4	7716.4	-1646.3	0.20	-3.54	-8.61
47	147	2123.0	-2448.4	1236.6	-0.39	0.99	-1.57
	118	-3083.0	6448.4	-1236.6	0.39	-2.97	-5.77
48	147	720.2	-1670.6	364.3	-0.26	0.59	-2.18
	118	-1680.2	5670.6	-364.3	0.26	-1.17	-3.89
49	147	-2199.8	-1432.4	-1782.5	0.52	-0.90	-2.74
	118	1239.8	5432.4	1782.5	-0.52	3.77	-2.92
50	147	-1607.5	-1123.5	-1261.4	0.23	-0.42	-2.81
	118	647.5	5123.5	1261.4	-0.23	2.46	-2.36
51	147	29.5	-2375.1	-378.1	0.47	-0.48	-0.91
	118	-989.5	6375.1	378.1	-0.47	1.09	-6.26
52	147	-1108.3	-1741.7	-1077.7	0.57	-0.80	-1.40
	118	148.3	5741.7	1077.7	-0.57	2.53	-4.74
53	147	1914.3	-2821.5	925.1	0.08	0.33	-0.40
	118	-2874.3	6821.5	-925.1	-0.08	-1.82	-7.51
54	147	2392.0	-2570.8	1342.5	-0.16	0.72	-0.46
	118	-3352.0	6570.8	-1342.5	0.16	-2.88	-7.05
55	147	1621.9	-1539.3	1013.2	-0.31	0.80	-1.10
	118	-2581.9	5539.3	-1013.2	0.31	-2.43	-4.74
56	147	484.1	-905.9	313.6	-0.20	0.48	-1.59
	118	-1444.1	4905.9	-313.6	0.20	-0.98	-3.21
57	147	-1878.4	-710.2	-1407.0	0.42	-0.72	-2.04
	118	918.4	4710.2	1407.0	-0.42	2.98	-2.42
58	147	-1400.7	-459.5	-989.6	0.19	-0.33	-2.10
	118	440.7	4459.5	989.6	-0.19	1.93	-1.97
1	177	-1060.3	3412.6	-73.1	0.17	0.11	-0.27
	147	-187.7	1787.4	68.7	-0.17	0.00	1.60
2	177	-1228.9	3823.2	-147.5	0.21	0.23	-0.37
	147	-19.1	1376.8	143.1	-0.21	0.01	2.38
3	177	301.8	5272.6	2279.8	-1.09	-0.50	2.20
	147	-1549.8	-72.6	-2284.2	1.09	-3.25	2.20
4	177	-822.3	6563.8	1651.4	-1.05	0.45	3.36
	147	-425.7	-1363.8	-1655.8	1.05	-3.17	3.16

	177	218.8	5229.9	2103.9	-1.05	-0.23	2.14
	147	-1466.8	-29.9	-2108.3	1.05	-3.24	2.19
6	177	3269.0	4171.7	2581.4	-1.07	-0.96	1.20
	147	-4517.0	1028.3	-2585.9	1.07	-3.30	1.39
7	177	-2670.8	2418.4	-2385.1	1.47	0.66	-2.87
	147	1422.8	2781.6	2380.7	-1.47	3.26	2.57
8	177	-3794.9	3709.6	-3013.6	1.51	1.62	-1.70
	147	2546.9	1490.4	3009.2	-1.51	3.34	3.53
9	177	-2753.7	2375.6	-2561.1	1.51	0.94	-2.92
	147	1505.7	2824.4	2556.7	-1.51	3.27	2.56
10	177	296.4	1317.5	-2083.5	1.49	0.21	-3.87
	147	-1544.4	3882.5	2079.1	-1.49	3.21	1.76
11	177	415.6	5082.1	2380.3	-1.13	-0.66	2.26
	147	-1663.6	117.9	-2384.7	1.13	-3.26	1.82
12	177	-2557.0	2227.9	-2284.7	1.43	0.51	-2.80
	147	1309.0	2972.1	2280.3	-1.43	3.25	2.19
13	177	-1457.8	7234.2	1332.9	-1.06	0.93	4.21
	147	209.8	-2034.2	-1337.3	1.06	-3.12	3.42
14	177	-4430.4	4379.9	-3332.0	1.50	2.10	-0.86
	147	3182.4	820.1	3327.6	-1.50	3.38	3.79
15	177	277.4	5010.9	2087.1	-1.05	-0.20	2.17
	147	-1525.4	189.1	-2091.5	1.05	-3.24	1.79
16	177	-2695.2	2156.7	-2577.9	1.51	0.97	-2.89
	147	1447.2	3043.3	2573.5	-1.51	3.27	2.16
17	177	5361.0	3247.3	2883.0	-1.09	-1.42	0.60
	147	-6609.0	1952.7	-2887.4	1.09	-3.33	0.47
18	177	2388.4	393.0	-1782.0	1.47	-0.25	-4.47
	147	-3636.4	4807.0	1777.5	-1.47	3.17	0.84
19	177	1376.9	6018.7	3872.0	-1.97	-0.95	3.93
	147	-2624.9	-818.7	-3876.4	1.97	-5.42	1.69
20	177	-3577.4	1261.7	-3902.9	2.30	1.00	-4.51
	147	2329.4	3938.3	3898.5	-2.30	5.42	2.31
21	177	252.9	7309.9	3243.6	-1.93	0.00	5.10
	147	-1500.9	-2109.9	-3248.0	1.93	-5.34	2.65
22	177	-4701.4	2552.9	-4531.3	2.34	1.95	-3.34
	147	3453.4	2647.1	4526.9	-2.34	5.50	3.27
23	177	1294.0	5975.9	3696.1	-1.92	-0.67	3.88
	147	-2542.0	-776.0	-3700.5	1.92	-5.41	1.68
24	177	-3660.3	1218.9	-4078.8	2.35	1.27	-4.56
	147	2412.3	3981.1	4074.4	-2.35	5.43	2.29
25	177	4344.1	4917.8	4173.7	-1.95	-1.40	2.93
	147	-5592.1	282.2	-4178.1	1.95	-5.47	0.88
26	177	-610.2	160.7	-3601.3	2.32	0.54	-5.51
	147	-637.8	5039.3	3596.9	-2.32	5.38	1.50
27	177	-1269.6	2007.2	-1490.3	0.56	1.86	-1.34
	147	309.6	1992.8	1486.9	-0.56	0.58	1.31
28	177	-2394.2	3012.8	-2494.4	0.69	3.16	-0.34
	147	1434.2	987.2	2491.0	-0.69	0.95	1.98
29	177	696.4	1159.5	1003.4	0.09	-1.31	-2.03
	147	-1656.4	2840.5	-1006.8	-0.09	-0.39	0.61
30	177	-617.3	3114.5	463.1	0.02	-0.54	0.04
	147	-342.7	885.5	-466.5	-0.02	-0.22	1.81
31	177	599.0	2937.2	2287.2	-0.37	-2.84	0.01
	147	-1559.0	1062.8	-2290.6	0.37	-0.94	1.56
32	177	-525.5	3942.7	1283.1	-0.24	-1.53	1.01
	147	-434.5	57.3	-1286.5	0.24	-0.57	2.23

	177	-3052.1	4511.4	-2343.7	0.51	3.04	1.30
	147	2092.1	-511.4	2340.4	-0.51	0.86	2.85
34	177	-2491.5	4790.4	-1210.5	0.23	1.63	1.70
	147	1531.5	-790.4	1207.1	-0.23	0.40	2.93
35	177	-841.4	2838.1	-78.8	0.15	0.12	-0.13
	147	-118.6	1161.9	75.4	-0.15	0.00	1.51
36	177	-755.6	2716.1	9.3	0.12	-0.01	-0.08
	147	-204.4	1283.9	-12.7	-0.12	-0.00	1.26
37	177	-1505.0	3576.9	-409.6	0.14	0.62	0.70
	147	545.0	423.1	406.2	-0.14	0.05	1.90
38	177	-810.9	2687.6	-108.0	0.15	0.17	-0.12
	147	-149.1	1312.4	104.6	-0.15	0.00	1.25
39	177	1222.5	1982.1	210.4	0.13	-0.32	-0.75
	147	-2182.5	2017.9	-213.8	-0.13	-0.03	0.72
40	177	205.7	3652.6	1501.0	-0.72	-0.30	1.59
	147	-1165.7	347.4	-1504.4	0.72	-2.17	1.13
41	177	-1776.1	1749.8	-1608.9	0.99	0.48	-1.79
	147	816.1	2250.2	1605.5	-0.99	2.17	1.38
42	177	-897.6	2975.0	-103.6	0.16	0.16	-0.16
	147	-62.4	1025.0	100.2	-0.16	0.00	1.77
43	177	-1342.2	2046.2	-1553.6	0.57	1.94	-1.31
	147	382.2	1953.8	1550.2	-0.57	0.60	1.35
44	177	-2395.6	2949.1	-2587.6	0.70	3.27	-0.41
	147	1435.6	1050.9	2584.2	-0.70	1.00	1.96
45	177	566.7	1326.9	1029.7	0.09	-1.31	-1.88
	147	-1526.7	2673.1	-1033.1	-0.09	-0.41	0.72
46	177	1149.5	1613.3	2209.9	-0.20	-2.78	-1.46
	147	-2109.5	2386.7	-2213.3	0.20	-0.89	0.79
47	177	600.5	3000.8	2380.4	-0.39	-2.94	0.09
	147	-1560.5	999.2	-2383.8	0.39	-0.99	1.58
48	177	-452.9	3903.8	1346.4	-0.26	-1.62	0.99
	147	-507.1	96.2	-1349.8	0.26	-0.59	2.19
49	177	-2944.7	4336.7	-2417.0	0.52	3.11	1.13
	147	1984.7	-336.7	2413.6	-0.52	0.90	2.74
50	177	-2361.8	4623.1	-1236.8	0.23	1.64	1.55
	147	1401.8	-623.1	1233.4	-0.23	0.42	2.81
51	177	-1142.2	1946.2	-1227.9	0.47	1.53	-1.03
	147	182.2	2053.8	1224.5	-0.47	0.48	0.91
52	177	-1994.9	2681.4	-2054.0	0.57	2.59	-0.30
	147	1034.9	1318.6	2050.6	-0.57	0.80	1.41
53	177	401.0	1359.7	846.7	0.08	-1.09	-1.49
	147	-1361.0	2640.3	-850.1	-0.08	-0.33	0.40
54	177	871.0	1592.1	1798.9	-0.16	-2.27	-1.15
	147	-1830.9	2407.9	-1802.3	0.16	-0.72	0.46
55	177	424.5	2721.1	1946.1	-0.31	-2.42	0.10
	147	-1384.5	1278.9	-1949.5	0.31	-0.80	1.10
56	177	-428.2	3456.3	1120.0	-0.20	-1.36	0.83
	147	-531.8	543.7	-1123.4	0.20	-0.48	1.59
57	177	-2441.4	3810.3	-1906.8	0.42	2.44	0.95
	147	1481.4	189.7	1903.4	-0.42	0.72	2.05
58	177	-1971.4	4042.8	-954.6	0.19	1.26	1.29
	147	1011.4	-42.8	951.2	-0.19	0.33	2.10
1	118	-2118.2	8262.0	158.4	-0.04	-0.33	6.80
	81	382.7	-1030.8	-158.4	0.04	-0.03	3.83
2	118	-2429.7	9521.3	272.2	-0.06	-0.58	8.09

	81	694.2	-2290.0	-272.2	0.06	-0.04	5.42
3	118	4683.3	9326.5	4850.7	-0.40	-6.59	9.27
	81	-6418.8	-2095.3	-4850.7	0.40	-4.51	3.79
4	118	4472.9	11580.9	4505.4	-0.44	-5.85	13.11
	81	-6208.4	-4349.7	-4505.4	0.44	-4.46	5.12
5	118	4409.4	9444.1	4723.9	-0.49	-6.35	9.51
	81	-6144.9	-2212.9	-4723.9	0.49	-4.46	3.82
6	118	6377.9	7575.6	4963.6	-0.44	-6.86	6.28
	81	-8113.4	-344.3	-4963.6	0.44	-4.49	2.78
7	118	-9246.7	9586.9	-4163.1	0.37	5.16	6.65
	81	7511.2	-2355.6	4163.1	-0.37	4.36	7.01
8	118	-9457.0	11841.3	-4508.4	0.33	5.91	10.48
	81	7721.5	-4610.0	4508.4	-0.33	4.41	8.34
9	118	-9520.5	9704.5	-4289.9	0.29	5.40	6.89
	81	7785.0	-2473.2	4289.9	-0.29	4.42	7.04
10	118	-7552.1	7835.9	-4050.2	0.33	4.89	3.66
	81	5816.6	-604.7	4050.2	-0.33	4.38	6.00
11	118	4937.7	8653.8	4841.6	-0.35	-6.56	8.54
	81	-6673.2	-1422.6	-4841.6	0.35	-4.52	2.99
12	118	-8992.3	8914.2	-4172.2	0.42	5.20	5.92
	81	7256.8	-1682.9	4172.2	-0.42	4.35	6.21
13	118	4587.1	12411.1	4266.1	-0.43	-5.32	14.92
	81	-6322.6	-5179.9	-4266.1	0.43	-4.44	5.20
14	118	-9342.8	12671.5	-4747.7	0.34	6.44	12.30
	81	7607.3	-5440.3	4747.7	-0.34	4.43	8.42
15	118	4481.2	8849.9	4630.2	-0.50	-6.16	8.94
	81	-6216.7	-1618.6	-4630.2	0.50	-4.43	3.04
16	118	-9448.7	9110.2	-4383.6	0.27	5.59	6.31
	81	7713.2	-1879.0	4383.6	-0.27	4.44	6.26
17	118	7762.0	5735.6	5029.7	-0.43	-7.01	3.55
	81	-9497.5	1495.6	-5029.7	0.43	-4.50	1.30
18	118	-6167.9	5996.0	-3984.1	0.34	4.74	0.92
	81	4432.4	1235.3	3984.1	-0.34	4.38	4.52
19	118	9482.3	8610.1	7798.4	-0.64	-10.38	9.50
	81	-11217.8	-1378.8	-7798.4	0.64	-7.46	1.93
20	118	-13734.2	9044.0	-7224.6	0.64	9.20	5.13
	81	11998.7	-1812.8	7224.6	-0.64	7.33	7.29
21	118	9272.0	10864.5	7453.1	-0.69	-9.64	13.33
	81	-11007.5	-3633.2	-7453.1	0.69	-7.41	3.26
22	118	-13944.6	11298.4	-7569.9	0.59	9.95	8.96
	81	12209.1	-4067.2	7569.9	-0.59	7.37	8.62
23	118	9208.4	8727.7	7671.6	-0.73	-10.15	9.74
	81	-10943.9	-1496.5	-7671.6	0.73	-7.41	1.96
24	118	-14008.1	9161.6	-7351.4	0.55	9.44	5.37
	81	12272.6	-1930.4	7351.4	-0.55	7.38	7.32
25	118	11176.9	6859.2	7911.3	-0.69	-10.66	6.51
	81	-12912.4	372.1	-7911.3	0.69	-7.45	0.92
26	118	-12039.6	7293.1	-7111.7	0.60	8.93	2.13
	81	10304.1	-61.9	7111.7	-0.60	7.34	6.28
27	118	-3236.5	6918.9	-867.1	-0.34	1.32	5.61
	81	1901.5	-1356.4	867.1	0.34	1.18	3.85
28	118	-4574.5	8382.0	-219.1	-0.18	-0.26	8.42
	81	3239.5	-2819.5	219.1	0.18	1.52	4.40
29	118	-158.9	4851.1	-1110.6	-0.39	2.52	1.62
	81	-1176.1	711.4	1110.6	0.39	-0.20	3.11
30	118	-1088.9	6980.2	408.7	0.01	-0.68	5.68

	81	-246.1	-1417.7	-408.7	-0.01	-0.45	3.93
31	118	1096.7	5887.8	597.2	0.08	-0.54	3.56
	81	-2431.7	-325.3	-597.2	-0.08	-1.59	3.55
32	118	-241.3	7350.9	1245.2	0.24	-2.12	6.36
	81	-1093.7	-1788.4	-1245.2	-0.24	-1.24	4.09
33	118	-4618.9	9728.0	1049.5	0.16	-2.76	10.97
	81	3283.9	-4165.5	-1049.5	-0.16	0.96	4.93
34	118	-3318.9	9418.7	1488.8	0.29	-3.32	10.35
	81	1983.9	-3856.2	-1488.8	-0.29	0.13	4.84
35	118	-1635.1	6715.2	151.1	-0.04	-0.32	5.56
	81	300.1	-1152.7	-151.1	0.04	-0.03	3.45
36	118	-1432.6	6252.3	161.0	-0.00	-0.32	5.04
	81	97.6	-689.9	-161.0	0.00	-0.04	2.91
37	118	-1572.8	7755.3	-69.2	-0.03	0.17	7.59
	81	237.8	-2192.8	69.2	0.03	-0.01	3.79
38	118	-1615.2	6330.8	76.4	-0.06	-0.17	5.20
	81	280.2	-768.3	-76.4	0.06	-0.01	2.93
39	118	-302.8	5085.1	236.2	-0.03	-0.51	3.04
	81	-1032.2	477.4	-236.2	0.03	-0.03	2.23
40	118	3112.1	6208.6	3117.8	-0.29	-4.15	6.00
	81	-4447.1	-646.1	-3117.8	0.29	-2.98	1.84
41	118	-6174.5	6382.2	-2891.4	0.22	3.68	4.25
	81	4839.5	-819.7	2891.4	-0.22	2.93	3.99
42	118	-1738.9	7134.9	189.1	-0.05	-0.40	5.99
	81	403.9	-1572.4	-189.1	0.05	-0.03	3.97
43	118	-3352.9	7001.7	-880.9	-0.35	1.35	5.78
	81	2017.9	-1439.2	880.9	0.35	1.22	3.88
44	118	-4625.1	8313.9	-233.5	-0.18	-0.25	8.29
	81	3290.1	-2751.4	233.5	0.18	1.58	4.37
45	118	-293.6	5104.8	-1113.8	-0.39	2.55	2.11
	81	-1041.4	457.7	1113.8	0.39	-0.20	3.21
46	118	1056.5	4791.1	-666.0	-0.27	1.98	1.48
	81	-2391.5	771.4	666.0	0.27	-1.06	3.12
47	118	1147.3	5956.0	611.6	0.08	-0.55	3.68
	81	-2482.3	-393.5	-611.6	-0.08	-1.65	3.58
48	118	-124.9	7268.1	1259.0	0.25	-2.15	6.20
	81	-1210.1	-1705.6	-1259.0	-0.25	-1.29	4.07
49	118	-4534.2	9478.7	1044.1	0.17	-2.78	10.49
	81	3199.2	-3916.2	-1044.1	-0.17	1.00	4.83
50	118	-3184.2	9165.0	1491.9	0.30	-3.35	9.87
	81	1849.2	-3602.5	-1491.9	-0.30	0.14	4.74
51	118	-2839.4	6186.3	-761.0	-0.28	1.18	4.95
	81	1504.4	-623.8	761.0	0.28	1.00	2.84
52	118	-3866.2	7254.1	-236.1	-0.14	-0.11	7.00
	81	2531.2	-1691.6	236.1	0.14	1.29	3.24
53	118	-366.5	4643.2	-945.0	-0.32	2.15	1.97
	81	-968.5	919.3	945.0	0.32	-0.16	2.29
54	118	726.5	4388.3	-577.9	-0.21	1.69	1.46
	81	-2061.5	1174.2	577.9	0.21	-0.85	2.22
55	118	803.7	5336.7	462.6	0.07	-0.36	3.25
	81	-2138.7	225.8	-462.6	-0.07	-1.33	2.60
56	118	-223.0	6404.5	987.4	0.21	-1.65	5.30
	81	-1112.0	-842.0	-987.4	-0.21	-1.04	2.99
57	118	-3788.9	8202.5	804.4	0.14	-2.16	8.79
	81	2453.9	-2640.0	-804.4	-0.14	0.81	3.62
58	118	-2696.0	7947.6	1171.4	0.24	-2.62	8.28

	81	1361.0	-2385.1	-1171.4	-0.24	0.11	3.54
1	148	36.0	-497.0	16.1	0.00	-0.01	-0.45
	106	-136.7	916.3	-16.1	-0.00	-0.02	-0.71
2	148	665.0	-2053.2	24.5	0.00	-0.02	-1.69
	106	-765.6	2472.6	-24.5	-0.00	-0.02	-2.04
3	148	-2515.7	-2435.8	-47.7	0.01	0.05	-2.35
	106	2415.1	2855.1	47.7	-0.01	0.03	-2.00
4	148	-2025.9	-1707.7	-39.6	0.01	0.04	-1.68
	106	1925.3	2127.1	39.6	-0.01	0.02	-1.47
5	148	-1141.9	-1145.2	-45.1	0.01	0.05	-1.22
	106	1041.3	1564.5	45.1	-0.01	0.02	-1.01
6	148	-1200.1	-1695.1	-51.4	0.01	0.06	-1.72
	106	1099.5	2114.5	51.4	-0.01	0.03	-1.41
7	148	2616.3	-3135.8	93.6	0.00	-0.09	-2.31
	106	-2716.9	3555.1	-93.6	-0.00	-0.07	-3.19
8	148	3106.1	-2407.8	101.6	-0.00	-0.09	-1.64
	106	-3206.7	2827.1	-101.6	0.00	-0.07	-2.66
9	148	3990.1	-1845.2	96.2	-0.01	-0.08	-1.17
	106	-4090.7	2264.5	-96.2	0.01	-0.07	-2.21
10	148	3931.9	-2395.2	89.8	-0.00	-0.08	-1.68
	106	-4032.6	2814.5	-89.8	0.00	-0.07	-2.60
11	148	-3240.0	-2146.0	-52.9	0.02	0.05	-2.17
	106	3139.3	2565.4	52.9	-0.02	0.04	-1.71
12	148	1892.1	-2846.1	88.4	0.00	-0.09	-2.12
	106	-1992.7	3265.4	-88.4	-0.00	-0.06	-2.90
13	148	-2423.7	-932.6	-39.5	0.01	0.04	-1.05
	106	2323.0	1351.9	39.5	-0.01	0.03	-0.83
14	148	2708.4	-1632.6	101.8	-0.00	-0.10	-1.01
	106	-2809.0	2052.0	-101.8	0.00	-0.07	-2.02
15	148	-950.3	5.0	-48.5	0.00	0.06	-0.27
	106	849.7	414.3	48.5	-0.00	0.02	-0.07
16	148	4181.7	-695.0	92.7	-0.01	-0.08	-0.23
	106	-4282.4	1114.3	-92.7	0.01	-0.07	-1.26
17	148	-1047.3	-911.6	-59.1	0.01	0.07	-1.12
	106	946.6	1331.0	59.1	-0.01	0.03	-0.73
18	148	4084.8	-1611.7	82.1	-0.00	-0.07	-1.08
	106	-4185.4	2031.0	-82.1	0.00	-0.07	-1.92
19	148	-4540.9	-1424.3	-98.9	0.02	0.10	-1.75
	106	4440.2	1843.6	98.9	-0.02	0.07	-0.94
20	148	4012.5	-2591.0	136.5	-0.00	-0.13	-1.68
	106	-4113.2	3010.4	-136.5	0.00	-0.10	-2.93
21	148	-4051.1	-696.3	-90.9	0.02	0.09	-1.08
	106	3950.4	1115.6	90.9	-0.02	0.06	-0.41
22	148	4502.3	-1863.0	144.5	-0.01	-0.14	-1.01
	106	-4602.9	2282.3	-144.5	0.01	-0.10	-2.40
23	148	-3167.1	-133.7	-96.3	0.01	0.10	-0.61
	106	3066.4	553.0	96.3	-0.01	0.06	0.05
24	148	5386.3	-1300.4	139.1	-0.01	-0.12	-0.54
	106	-5486.9	1719.7	-139.1	0.01	-0.10	-1.94
25	148	-3225.3	-683.7	-102.7	0.02	0.11	-1.12
	106	3124.6	1103.0	102.7	-0.02	0.06	-0.35
26	148	5328.1	-1850.4	132.7	-0.01	-0.12	-1.05
	106	-5428.8	2269.7	-132.7	0.01	-0.10	-2.34
27	148	2002.8	-1806.0	23.0	-0.02	-0.03	-1.15
	106	-2080.3	2128.5	-23.0	0.02	0.01	-2.09

	148	899.5	-2007.5	32.3	-0.01	-0.09	-1.16
	106	-976.9	2330.1	-32.3	0.01	0.06	-2.41
29	148	2577.7	-1201.1	5.2	-0.02	0.08	-1.13
	106	-2655.2	1523.7	-5.2	0.02	-0.09	-1.11
30	148	128.2	-1220.1	14.8	0.01	0.00	-1.14
	106	-205.7	1542.7	-14.8	-0.01	-0.03	-1.14
31	148	-32.4	-749.6	3.2	0.02	0.07	-1.12
	106	-45.0	1072.2	-3.2	-0.02	-0.09	-0.38
32	148	-1135.8	-951.1	12.5	0.03	0.00	-1.13
	106	1058.4	1273.7	-12.5	-0.03	-0.04	-0.70
33	148	-1100.1	-1872.9	36.2	0.02	-0.13	-1.17
	106	1022.7	2195.5	-36.2	-0.02	0.09	-2.18
34	148	-1710.7	-1556.0	30.3	0.03	-0.11	-1.16
	106	1633.3	1878.6	-30.3	-0.03	0.06	-1.67
35	148	223.9	-859.8	14.9	0.00	-0.01	-0.73
	106	-301.3	1182.4	-14.9	-0.00	-0.01	-0.95
36	148	-395.5	-829.4	11.2	0.01	-0.01	-0.75
	106	318.1	1152.0	-11.2	-0.01	-0.01	-0.88
37	148	-69.0	-344.1	16.5	0.00	-0.01	-0.30
	106	-8.4	666.6	-16.5	-0.00	-0.01	-0.53
38	148	520.3	31.0	12.9	0.00	-0.01	0.01
	106	-597.7	291.6	-12.9	-0.00	-0.01	-0.22
39	148	481.5	-335.7	8.6	0.00	-0.00	-0.33
	106	-559.0	658.2	-8.6	-0.00	-0.01	-0.49
40	148	-1696.4	-107.7	-34.9	0.01	0.04	-0.33
	106	1619.0	430.3	34.9	-0.01	0.02	-0.11
41	148	1724.9	-574.4	59.2	-0.00	-0.05	-0.30
	106	-1802.3	897.0	-59.2	0.00	-0.04	-0.91
42	148	433.5	-1378.6	17.7	0.00	-0.01	-1.14
	106	-510.9	1701.1	-17.7	-0.00	-0.02	-1.39
43	148	2043.7	-1822.3	21.8	-0.02	-0.03	-1.15
	106	-2121.1	2144.9	-21.8	0.02	0.01	-2.11
44	148	897.4	-2035.1	30.4	-0.01	-0.10	-1.16
	106	-974.8	2357.7	-30.4	0.01	0.06	-2.45
45	148	2655.2	-1188.9	6.0	-0.02	0.08	-1.13
	106	-2732.6	1511.4	-6.0	0.02	-0.10	-1.09
46	148	2033.0	-858.8	1.0	-0.01	0.12	-1.12
	106	-2110.4	1181.3	-1.0	0.01	-0.13	-0.56
47	148	-30.3	-722.0	5.1	0.02	0.07	-1.12
	106	-47.1	1044.5	-5.1	-0.02	-0.10	-0.33
48	148	-1176.7	-934.8	13.6	0.03	0.01	-1.13
	106	1099.2	1257.4	-13.6	-0.03	-0.04	-0.67
49	148	-1165.9	-1898.3	34.5	0.02	-0.14	-1.17
	106	1088.5	2220.9	-34.5	-0.02	0.09	-2.22
50	148	-1788.1	-1568.2	29.4	0.03	-0.11	-1.16
	106	1710.7	1890.8	-29.4	-0.03	0.06	-1.69
51	148	1327.4	-701.1	15.5	-0.02	-0.02	-0.33
	106	-1404.9	1023.6	-15.5	0.02	0.01	-1.09
52	148	401.6	-870.8	22.4	-0.01	-0.08	-0.34
	106	-479.0	1193.4	-22.4	0.01	0.05	-1.36
53	148	1812.4	-191.6	2.7	-0.02	0.07	-0.31
	106	-1889.9	514.1	-2.7	0.02	-0.08	-0.27
54	148	1302.3	75.4	-1.4	-0.01	0.10	-0.30
	106	-1379.7	247.2	1.4	0.01	-0.10	0.16
55	148	-373.1	188.7	1.9	0.02	0.06	-0.30
	106	295.7	133.8	-1.9	-0.02	-0.08	0.34

	148	-1299.0	19.0	8.8	0.02	0.01	-0.31
	106	1221.6	303.6	-8.8	-0.02	-0.03	0.07
57	148	-1273.8	-757.5	25.7	0.01	-0.11	-0.34
	106	1196.4	1080.0	-25.7	-0.01	0.08	-1.17
58	148	-1784.0	-490.5	21.6	0.02	-0.09	-0.33
	106	1706.6	813.1	-21.6	-0.02	0.05	-0.74
1	178	-263.5	751.0	-11.4	0.00	0.01	0.44
	148	162.9	-331.7	11.4	-0.00	0.01	0.46
2	178	-344.4	2152.4	-24.7	0.00	0.02	1.50
	148	243.8	-1733.1	24.7	-0.00	0.02	1.70
3	178	-3525.1	3271.3	95.4	0.01	-0.11	2.66
	148	3424.4	-2852.0	-95.4	-0.01	-0.05	2.38
4	178	-3035.3	2497.9	83.3	0.01	-0.10	2.06
	148	2934.7	-2078.6	-83.3	-0.01	-0.04	1.70
5	178	-2151.3	1934.4	108.9	0.01	-0.13	1.61
	148	2050.6	-1515.1	-108.9	-0.01	-0.05	1.23
6	178	-2209.5	2510.5	120.7	0.01	-0.14	2.04
	148	2108.8	-2091.2	-120.7	-0.01	-0.06	1.75
7	178	1606.9	2571.3	-159.4	0.00	0.17	1.56
	148	-1707.6	-2152.0	159.4	-0.00	0.09	2.32
8	178	2096.7	1797.9	-171.5	-0.00	0.19	0.96
	148	-2197.4	-1378.6	171.5	0.00	0.09	1.65
9	178	2980.7	1234.4	-145.9	-0.01	0.16	0.51
	148	-3081.4	-815.1	145.9	0.01	0.08	1.18
10	178	2922.6	1810.5	-134.1	-0.00	0.14	0.94
	148	-3023.2	-1391.2	134.1	0.00	0.08	1.69
11	178	-3894.4	3083.2	97.2	0.02	-0.11	2.54
	148	3793.8	-2663.9	-97.2	-0.02	-0.05	2.19
12	178	1237.6	2383.2	-157.6	0.00	0.17	1.44
	148	-1338.3	-1963.9	157.6	-0.00	0.09	2.14
13	178	-3078.1	1794.3	77.1	0.01	-0.09	1.54
	148	2977.5	-1374.9	-77.1	-0.01	-0.04	1.07
14	178	2053.9	1094.2	-177.7	-0.00	0.20	0.44
	148	-2154.6	-674.9	177.7	0.00	0.10	1.01
15	178	-1604.8	855.1	119.8	0.00	-0.14	0.78
	148	1504.1	-435.7	-119.8	-0.00	-0.06	0.28
16	178	3527.3	155.0	-135.0	-0.01	0.14	-0.31
	148	-3627.9	264.3	135.0	0.01	0.08	0.22
17	178	-1701.7	1815.2	139.3	0.01	-0.16	1.51
	148	1601.1	-1395.9	-139.3	-0.01	-0.07	1.14
18	178	3430.3	1115.2	-115.5	-0.00	0.12	0.41
	148	-3531.0	-695.9	115.5	0.00	0.07	1.08
19	178	-5195.3	2804.0	187.0	0.02	-0.21	2.49
	148	5094.7	-2384.6	-187.0	-0.02	-0.10	1.78
20	178	3358.1	1637.3	-237.7	-0.00	0.26	0.67
	148	-3458.7	-1217.9	237.7	0.00	0.13	1.68
21	178	-4705.5	2030.6	174.9	0.02	-0.20	1.90
	148	4604.9	-1611.3	-174.9	-0.02	-0.09	1.10
22	178	3847.9	863.9	-249.7	-0.01	0.28	0.07
	148	-3948.5	-444.5	249.7	0.01	0.14	1.01
23	178	-3821.5	1467.1	200.5	0.01	-0.23	1.44
	148	3720.9	-1047.7	-200.5	-0.01	-0.10	0.63
24	178	4731.9	300.4	-224.1	-0.01	0.24	-0.39
	148	-4832.5	119.0	224.1	0.01	0.12	0.54
25	178	-3879.7	2043.2	212.3	0.02	-0.24	1.87

	148	3779.1	-1623.8	-212.3	-0.02	-0.11	1.14
26	178	4673.7	876.5	-212.4	-0.01	0.23	0.05
	148	-4774.3	-457.1	212.4	0.01	0.12	1.05
27	178	1186.0	1007.4	-51.9	-0.02	0.06	0.24
	148	-1263.5	-684.8	51.9	0.02	0.03	1.16
28	178	49.1	791.2	-201.2	-0.01	0.24	-0.12
	148	-126.5	-468.6	201.2	0.01	0.09	1.15
29	178	1902.8	1668.9	198.5	-0.02	-0.25	1.34
	148	-1980.2	-1346.3	-198.5	0.02	-0.08	1.16
30	178	-514.8	1659.3	15.1	0.01	-0.02	1.32
	148	437.3	-1336.7	-15.1	-0.01	-0.00	1.15
31	178	-556.0	2176.7	166.0	0.02	-0.20	2.17
	148	478.6	-1854.1	-166.0	-0.02	-0.07	1.15
32	178	-1693.0	1960.4	16.7	0.03	-0.02	1.81
	148	1615.5	-1637.9	-16.7	-0.03	-0.00	1.14
33	178	-1887.1	948.1	-299.1	0.02	0.36	0.14
	148	1809.7	-625.6	299.1	-0.02	0.13	1.14
34	178	-2409.7	1298.9	-233.7	0.03	0.28	0.71
	148	2332.3	-976.3	233.7	-0.03	0.11	1.14
35	178	-226.5	1016.8	-13.2	0.00	0.01	0.67
	148	149.1	-694.2	13.2	-0.00	0.01	0.74
36	178	-609.3	1062.2	-13.6	0.01	0.01	0.73
	148	531.9	-739.7	13.6	-0.01	0.01	0.76
37	178	-282.8	546.6	-21.6	0.00	0.02	0.33
	148	205.4	-224.1	21.6	-0.00	0.01	0.31
38	178	306.6	171.0	-4.5	0.00	0.00	0.03
	148	-384.0	151.6	4.5	-0.00	0.01	-0.01
39	178	267.8	555.0	3.3	0.00	-0.01	0.31
	148	-345.2	-232.5	-3.3	-0.00	0.00	0.33
40	178	-1910.2	783.0	76.2	0.01	-0.09	0.68
	148	1832.8	-460.4	-76.2	-0.01	-0.04	0.34
41	178	1511.1	316.3	-93.7	-0.00	0.10	-0.05
	148	-1588.6	6.3	93.7	0.00	0.05	0.30
42	178	-253.5	1483.9	-17.6	0.00	0.02	1.03
	148	176.0	-1161.3	17.6	-0.00	0.01	1.15
43	178	1223.9	989.2	-53.9	-0.02	0.06	0.21
	148	-1301.3	-666.7	53.9	0.02	0.03	1.15
44	178	41.3	761.0	-210.3	-0.01	0.25	-0.17
	148	-118.8	-438.4	210.3	0.01	0.10	1.16
45	178	1983.4	1681.7	208.8	-0.02	-0.26	1.36
	148	-2060.8	-1359.1	-208.8	0.02	-0.08	1.14
46	178	1451.7	2046.9	277.5	-0.01	-0.34	1.96
	148	-1529.1	-1724.4	-277.5	0.01	-0.12	1.14
47	178	-548.3	2206.8	175.1	0.02	-0.22	2.22
	148	470.8	-1884.3	-175.1	-0.02	-0.07	1.14
48	178	-1730.8	1978.6	18.7	0.03	-0.03	1.84
	148	1653.4	-1656.0	-18.7	-0.03	-0.01	1.15
49	178	-1958.6	920.9	-312.7	0.02	0.37	0.09
	148	1881.2	-598.3	312.7	-0.02	0.14	1.16
50	178	-2490.3	1286.1	-244.0	0.03	0.29	0.69
	148	2412.8	-963.6	244.0	-0.03	0.11	1.16
51	178	1002.1	148.2	-37.3	-0.02	0.04	-0.34
	148	-1079.6	174.3	37.3	0.02	0.02	0.32
52	178	48.3	-33.8	-162.8	-0.01	0.19	-0.65
	148	-125.8	356.4	162.8	0.01	0.08	0.33
53	178	1607.6	705.4	173.1	-0.02	-0.21	0.58

	148	-1685.0	-382.8	-173.1	0.02	-0.07	0.31
54	178	1172.7	1000.8	227.9	-0.01	-0.28	1.07
	148	-1250.1	-678.3	-227.9	0.01	-0.10	0.31
55	178	-447.4	1133.1	145.4	0.02	-0.18	1.28
	148	370.0	-810.5	-145.4	-0.02	-0.06	0.31
56	178	-1401.2	951.0	19.8	0.02	-0.03	0.98
	148	1323.8	-628.5	-19.8	-0.02	-0.01	0.32
57	178	-1571.8	98.5	-245.3	0.01	0.29	-0.43
	148	1494.3	224.1	245.3	-0.01	0.11	0.33
58	178	-2006.6	393.9	-190.5	0.02	0.23	0.06
	148	1929.2	-71.4	190.5	-0.02	0.09	0.33
1	57	-195.0	812.7	49.3	-0.00	-0.07	0.87
	33	111.7	-465.4	-49.3	0.00	-0.00	-0.00
2	57	-521.2	2171.5	116.6	-0.00	-0.16	2.73
	33	437.8	-1824.3	-116.6	-0.00	-0.00	-0.00
3	57	-521.2	2171.5	462.5	0.00	-0.63	2.73
	33	437.8	-1824.3	-462.5	-0.00	-0.00	-0.01
4	57	-521.2	2861.4	393.6	-0.00	-0.54	3.67
	33	437.8	-2514.1	-393.6	0.00	-0.00	-0.01
5	57	-521.2	2171.5	431.6	0.00	-0.59	2.73
	33	437.8	-1824.3	-431.6	-0.00	-0.00	-0.01
6	57	-521.2	1654.2	483.3	0.00	-0.66	2.02
	33	437.8	-1306.9	-483.3	0.00	-0.00	-0.00
7	57	-521.2	2171.5	-194.3	-0.00	0.26	2.73
	33	437.8	-1824.3	194.3	-0.00	0.00	-0.00
8	57	-521.2	2861.4	-263.1	-0.00	0.36	3.67
	33	437.8	-2514.1	263.1	-0.00	0.00	-0.01
9	57	-521.2	2171.5	-225.1	-0.00	0.31	2.73
	33	437.8	-1824.3	225.1	-0.00	0.00	-0.00
10	57	-521.2	1654.2	-173.5	-0.00	0.24	2.02
	33	437.8	-1306.9	173.5	-0.00	0.00	-0.00
11	57	-358.1	1492.1	440.6	0.00	-0.60	1.80
	33	274.8	-1144.8	-440.6	-0.00	-0.00	-0.00
12	57	-358.1	1492.1	-216.2	-0.00	0.29	1.80
	33	274.8	-1144.8	216.2	-0.00	0.00	-0.00
13	57	-358.1	2641.8	325.8	-0.00	-0.44	3.37
	33	274.8	-2294.6	-325.8	0.00	-0.00	-0.01
14	57	-358.1	2641.8	-330.9	-0.00	0.45	3.37
	33	274.8	-2294.6	330.9	-0.00	0.00	-0.00
15	57	-358.1	1492.1	389.1	0.00	-0.53	1.80
	33	274.8	-1144.8	-389.1	-0.00	-0.00	-0.00
16	57	-358.1	1492.1	-267.7	-0.00	0.36	1.80
	33	274.8	-1144.8	267.7	-0.00	0.00	-0.00
17	57	-358.1	629.8	475.2	0.00	-0.65	0.62
	33	274.8	-282.5	-475.2	0.00	-0.00	-0.00
18	57	-358.1	629.8	-181.5	-0.00	0.25	0.62
	33	274.8	-282.5	181.5	-0.00	0.00	-0.00
19	57	-358.1	1492.1	647.8	0.00	-0.88	1.80
	33	274.8	-1144.8	-647.8	0.00	-0.00	-0.00
20	57	-358.1	1492.1	-446.8	-0.00	0.61	1.80
	33	274.8	-1144.8	446.8	-0.00	0.00	-0.00
21	57	-358.1	2181.9	578.9	0.00	-0.79	2.74
	33	274.8	-1834.7	-578.9	0.00	-0.00	-0.00
22	57	-358.1	2181.9	-515.7	-0.00	0.70	2.74
	33	274.8	-1834.7	515.7	-0.00	0.00	-0.00

	57	-358.1	1492.1	616.9	0.00	-0.84	1.80
	33	274.8	-1144.8	-616.9	0.00	-0.00	-0.00
24	57	-358.1	1492.1	-477.7	-0.00	0.65	1.80
	33	274.8	-1144.8	477.7	-0.00	0.00	-0.00
25	57	-358.1	974.7	668.6	0.00	-0.91	1.09
	33	274.8	-627.5	-668.6	0.00	-0.00	-0.00
26	57	-358.1	974.7	-426.0	-0.00	0.58	1.09
	33	274.8	-627.5	426.0	-0.00	0.00	-0.00
27	57	-389.6	1497.1	98.0	-0.00	-0.13	1.86
	33	325.5	-1230.0	-98.0	-0.00	0.00	-0.00
28	57	-309.7	1486.8	-1.6	-0.00	0.00	1.85
	33	245.5	-1219.7	1.6	-0.00	0.00	-0.00
29	57	-490.0	1514.2	237.1	-0.00	-0.32	1.89
	33	425.9	-1247.1	-237.1	0.00	0.00	-0.00
30	57	-362.9	1501.3	90.8	0.00	-0.12	1.87
	33	298.7	-1234.2	-90.8	-0.00	0.00	-0.00
31	57	-410.0	1511.5	163.6	0.00	-0.22	1.88
	33	345.8	-1244.4	-163.6	-0.00	-0.00	-0.00
32	57	-330.0	1501.2	64.0	0.00	-0.09	1.87
	33	265.9	-1234.1	-64.0	-0.00	-0.00	-0.00
33	57	-223.5	1479.9	-94.8	0.00	0.13	1.84
	33	159.4	-1212.8	94.8	-0.00	-0.00	-0.00
34	57	-229.6	1484.2	-75.1	0.00	0.10	1.84
	33	165.5	-1217.1	75.1	-0.00	-0.00	-0.00
35	57	-251.1	1046.2	58.6	-0.00	-0.08	1.25
	33	187.0	-779.1	-58.6	0.00	-0.00	-0.00
36	57	-142.4	593.3	47.8	-0.00	-0.07	0.63
	33	78.3	-326.1	-47.8	-0.00	0.00	-0.00
37	57	-142.4	1053.2	1.9	-0.00	-0.00	1.25
	33	78.3	-786.0	-1.9	0.00	-0.00	-0.00
38	57	-142.4	593.3	27.3	-0.00	-0.04	0.63
	33	78.3	-326.1	-27.3	-0.00	-0.00	-0.00
39	57	-142.4	248.4	61.7	-0.00	-0.08	0.16
	33	78.3	18.8	-61.7	0.00	0.00	-0.00
40	57	-142.4	593.3	255.1	0.00	-0.35	0.63
	33	78.3	-326.1	-255.1	0.00	-0.00	-0.00
41	57	-142.4	593.3	-182.8	-0.00	0.25	0.63
	33	78.3	-326.1	182.8	-0.00	0.00	-0.00
42	57	-359.8	1499.2	81.0	-0.00	-0.11	1.86
	33	295.7	-1232.1	-81.0	-0.00	-0.00	-0.00
43	57	-386.9	1496.5	95.9	-0.00	-0.13	1.86
	33	322.7	-1229.4	-95.9	0.00	0.00	-0.00
44	57	-314.0	1487.2	4.0	-0.00	-0.01	1.85
	33	249.9	-1220.1	-4.0	0.00	0.00	-0.00
45	57	-478.5	1512.5	224.9	-0.00	-0.31	1.88
	33	414.4	-1245.3	-224.9	-0.00	0.00	-0.00
46	57	-484.1	1516.9	243.6	-0.00	-0.33	1.89
	33	420.0	-1249.8	-243.6	-0.00	-0.00	-0.00
47	57	-405.6	1511.2	158.0	-0.00	-0.22	1.88
	33	341.5	-1244.1	-158.0	-0.00	-0.00	-0.00
48	57	-332.8	1501.9	66.1	0.00	-0.09	1.87
	33	268.6	-1234.8	-66.1	-0.00	-0.00	-0.00
49	57	-235.5	1481.5	-81.6	0.00	0.11	1.84
	33	171.4	-1214.4	81.6	-0.00	-0.00	-0.00
50	57	-241.1	1485.9	-62.9	0.00	0.09	1.85
	33	177.0	-1218.8	62.9	-0.00	-0.00	-0.00

	57	-164.4	591.1	48.4	-0.00	-0.07	0.62
	33	100.3	-324.0	-48.4	-0.00	0.00	-0.00
52	57	-105.1	583.5	-26.4	-0.00	0.04	0.61
	33	41.0	-316.4	26.4	-0.00	0.00	-0.00
53	57	-239.0	604.1	153.3	-0.00	-0.21	0.64
	33	174.9	-336.9	-153.3	0.00	0.00	-0.00
54	57	-243.6	607.6	168.3	-0.00	-0.23	0.65
	33	179.5	-340.5	-168.3	0.00	-0.00	-0.00
55	57	-179.7	603.0	98.7	-0.00	-0.13	0.64
	33	115.6	-335.9	-98.7	-0.00	-0.00	-0.00
56	57	-120.4	595.5	23.9	0.00	-0.03	0.63
	33	56.3	-328.3	-23.9	-0.00	-0.00	-0.00
57	57	-41.2	578.9	-96.1	0.00	0.13	0.61
	33	-22.9	-311.8	96.1	-0.00	0.00	-0.00
58	57	-45.8	582.5	-81.0	0.00	0.11	0.61
	33	-18.3	-315.3	81.0	-0.00	-0.00	0.00
1	51	-200.8	836.5	17.9	0.00	-0.02	0.90
	34	117.4	-489.2	-17.9	-0.00	-0.00	0.00
2	51	-543.6	2264.9	51.2	-0.00	-0.07	2.84
	34	460.2	-1917.7	-51.2	0.00	-0.00	0.01
3	51	-543.6	2264.9	557.4	-0.00	-0.76	2.84
	34	460.2	-1917.7	-557.4	0.00	-0.00	0.01
4	51	-543.6	2990.1	506.6	-0.00	-0.69	3.83
	34	460.2	-2642.8	-506.6	0.00	0.00	0.01
5	51	-543.6	2264.9	528.9	-0.00	-0.72	2.84
	34	460.2	-1917.7	-528.9	0.00	-0.00	0.01
6	51	-543.6	1721.1	566.4	-0.00	-0.77	2.10
	34	460.2	-1373.8	-566.4	0.00	-0.00	0.01
7	51	-543.6	2264.9	-422.9	0.00	0.58	2.84
	34	460.2	-1917.7	422.9	-0.00	-0.00	0.00
8	51	-543.6	2990.1	-473.7	0.00	0.65	3.83
	34	460.2	-2642.8	473.7	-0.00	-0.00	0.00
9	51	-543.6	2264.9	-451.4	0.00	0.62	2.84
	34	460.2	-1917.7	451.4	-0.00	-0.00	0.00
10	51	-543.6	1721.1	-413.9	0.00	0.56	2.10
	34	460.2	-1373.8	413.9	-0.00	-0.00	0.00
11	51	-372.2	1550.7	551.5	-0.00	-0.75	1.87
	34	288.8	-1203.5	-551.5	0.00	-0.00	0.01
12	51	-372.2	1550.7	-428.8	0.00	0.58	1.87
	34	288.8	-1203.5	428.8	-0.00	-0.00	0.00
13	51	-372.2	2759.3	466.9	-0.00	-0.64	3.52
	34	288.8	-2412.0	-466.9	0.00	0.00	0.00
14	51	-372.2	2759.3	-513.4	0.00	0.70	3.52
	34	288.8	-2412.0	513.4	-0.00	-0.00	0.00
15	51	-372.2	1550.7	504.0	-0.00	-0.69	1.87
	34	288.8	-1203.5	-504.0	0.00	-0.00	0.01
16	51	-372.2	1550.7	-476.3	0.00	0.65	1.87
	34	288.8	-1203.5	476.3	-0.00	-0.00	0.00
17	51	-372.2	644.3	566.5	-0.00	-0.77	0.64
	34	288.8	-297.0	-566.5	0.00	-0.00	0.01
18	51	-372.2	644.3	-413.8	0.00	0.56	0.64
	34	288.8	-297.0	413.8	-0.00	-0.00	0.00
19	51	-372.2	1550.7	867.5	-0.00	-1.18	1.87
	34	288.8	-1203.5	-867.5	0.00	-0.00	0.01
20	51	-372.2	1550.7	-766.3	0.00	1.04	1.88

	34	288.8	-1203.5	766.3	-0.00	-0.00	0.00
21	51	-372.2	2275.9	816.8	-0.00	-1.11	2.86
	34	288.8	-1928.6	-816.8	0.00	0.00	0.01
22	51	-372.2	2275.9	-817.1	0.00	1.11	2.86
	34	288.8	-1928.6	817.1	-0.00	-0.00	0.00
23	51	-372.2	1550.7	839.1	-0.00	-1.14	1.87
	34	288.8	-1203.5	-839.1	0.00	-0.00	0.01
24	51	-372.2	1550.7	-794.8	0.00	1.08	1.88
	34	288.8	-1203.5	794.8	-0.00	-0.00	0.00
25	51	-372.2	1006.8	876.6	-0.00	-1.19	1.13
	34	288.8	-659.6	-876.6	0.00	0.00	0.01
26	51	-372.2	1006.8	-757.3	0.00	1.03	1.13
	34	288.8	-659.6	757.3	-0.00	-0.00	0.00
27	51	-399.4	1568.4	4.8	-0.00	-0.01	1.95
	34	335.3	-1301.3	-4.8	0.00	-0.00	0.01
28	51	-335.1	1550.3	-58.4	-0.00	0.08	1.93
	34	271.0	-1283.2	58.4	0.00	-0.00	0.00
29	51	-479.8	1591.6	121.7	-0.00	-0.17	1.98
	34	415.7	-1324.5	-121.7	0.00	-0.00	0.01
30	51	-377.2	1563.1	53.3	-0.00	-0.07	1.94
	34	313.1	-1296.0	-53.3	-0.00	0.00	0.00
31	51	-414.7	1574.3	128.1	0.00	-0.17	1.96
	34	350.6	-1307.1	-128.1	-0.00	0.00	0.00
32	51	-350.5	1556.1	64.9	0.00	-0.09	1.94
	34	286.4	-1289.0	-64.9	-0.00	0.00	0.00
33	51	-265.5	1531.2	-89.0	-0.00	0.12	1.90
	34	201.4	-1264.1	89.0	-0.00	0.00	0.00
34	51	-270.1	1532.9	-52.0	-0.00	0.07	1.91
	34	206.0	-1265.8	52.0	-0.00	0.00	0.00
35	51	-260.7	1086.1	23.7	-0.00	-0.03	1.30
	34	196.6	-819.0	-23.7	0.00	-0.00	0.00
36	51	-146.4	610.0	23.4	0.00	-0.03	0.65
	34	82.3	-342.8	-23.4	0.00	-0.00	0.00
37	51	-146.4	1093.4	-10.5	0.00	0.01	1.31
	34	82.3	-826.3	10.5	-0.00	-0.00	0.00
38	51	-146.4	610.0	4.4	0.00	-0.01	0.65
	34	82.3	-342.8	-4.4	-0.00	-0.00	0.00
39	51	-146.4	247.4	29.4	0.00	-0.04	0.15
	34	82.3	19.7	-29.4	0.00	-0.00	0.00
40	51	-146.4	610.0	339.4	-0.00	-0.46	0.65
	34	82.3	-342.8	-339.4	0.00	0.00	0.00
41	51	-146.4	610.0	-314.1	0.00	0.43	0.65
	34	82.3	-342.8	314.1	-0.00	-0.00	-0.00
42	51	-374.9	1562.3	34.8	-0.00	-0.05	1.94
	34	310.8	-1295.1	-34.8	0.00	-0.00	0.00
43	51	-397.1	1567.7	1.8	0.00	-0.00	1.95
	34	333.0	-1300.5	-1.8	0.00	-0.00	0.01
44	51	-338.8	1551.2	-58.1	-0.00	0.08	1.93
	34	274.7	-1284.1	58.1	0.00	-0.00	0.00
45	51	-470.1	1588.8	115.7	0.00	-0.16	1.98
	34	406.0	-1321.7	-115.7	0.00	-0.00	0.01
46	51	-474.3	1590.5	153.5	0.00	-0.21	1.98
	34	410.2	-1323.4	-153.5	-0.00	-0.00	0.01
47	51	-411.1	1573.3	127.8	-0.00	-0.17	1.96
	34	347.0	-1306.2	-127.8	-0.00	0.00	0.00
48	51	-352.8	1556.9	67.9	-0.00	-0.09	1.94

	34	288.7	-1289.7	-67.9	-0.00	0.00	0.00
49	51	-275.6	1534.0	-83.8	-0.00	0.11	1.91
	34	211.5	-1266.9	83.8	-0.00	0.00	0.00
50	51	-279.8	1535.7	-46.0	-0.00	0.06	1.91
	34	215.7	-1268.6	46.0	-0.00	0.00	0.00
51	51	-164.4	614.4	-14.0	-0.00	0.02	0.65
	34	100.3	-347.3	14.0	-0.00	-0.00	0.00
52	51	-116.9	601.0	-62.5	-0.00	0.09	0.64
	34	52.8	-333.9	62.5	-0.00	-0.00	0.00
53	51	-223.9	631.6	78.2	-0.00	-0.11	0.68
	34	159.8	-364.5	-78.2	0.00	-0.00	0.00
54	51	-227.3	633.0	108.7	-0.00	-0.15	0.68
	34	163.2	-365.8	-108.7	-0.00	-0.00	0.00
55	51	-175.9	618.9	87.8	0.00	-0.12	0.66
	34	111.7	-351.8	-87.8	-0.00	0.00	0.00
56	51	-128.3	605.6	39.3	0.00	-0.05	0.64
	34	64.2	-338.4	-39.3	-0.00	0.00	-0.00
57	51	-65.5	587.0	-83.4	0.00	0.11	0.62
	34	1.4	-319.9	83.4	0.00	0.00	-0.00
58	51	-68.9	588.3	-52.9	0.00	0.07	0.62
	34	4.8	-321.2	52.9	-0.00	0.00	-0.00
1	58	-206.7	861.1	6.5	-0.00	-0.01	0.93
	35	123.3	-513.8	-6.5	-0.00	0.00	0.00
2	58	-566.7	2361.3	24.3	0.00	-0.03	2.96
	35	483.4	-2014.0	-24.3	-0.00	0.00	0.02
3	58	-566.7	2361.3	618.9	-0.00	-0.84	2.96
	35	483.4	-2014.0	-618.9	-0.00	0.00	0.02
4	58	-566.7	3122.8	543.1	-0.00	-0.74	4.00
	35	483.4	-2775.6	-543.1	-0.00	0.00	0.02
5	58	-566.7	2361.3	592.5	-0.00	-0.81	2.96
	35	483.4	-2014.0	-592.5	-0.00	0.00	0.02
6	58	-566.7	1790.1	644.4	-0.00	-0.88	2.19
	35	483.4	-1442.8	-644.4	-0.00	0.00	0.01
7	58	-566.7	2361.3	-540.2	0.00	0.74	2.96
	35	483.4	-2014.0	540.2	0.00	-0.00	0.02
8	58	-566.7	3122.8	-616.0	0.00	0.84	3.99
	35	483.4	-2775.6	616.0	0.00	-0.00	0.02
9	58	-566.7	2361.3	-566.6	0.00	0.77	2.96
	35	483.4	-2014.0	566.6	0.00	-0.00	0.02
10	58	-566.7	1790.1	-514.8	0.00	0.70	2.19
	35	483.4	-1442.8	514.8	0.00	-0.00	0.01
11	58	-386.7	1611.2	620.0	-0.00	-0.84	1.95
	35	303.3	-1263.9	-620.0	-0.00	0.00	0.01
12	58	-386.7	1611.2	-539.1	0.00	0.73	1.95
	35	303.3	-1263.9	539.1	0.00	-0.00	0.01
13	58	-386.7	2880.4	493.7	-0.00	-0.67	3.67
	35	303.3	-2533.2	-493.7	-0.00	0.00	0.02
14	58	-386.7	2880.4	-665.5	0.00	0.91	3.67
	35	303.3	-2533.2	665.5	0.00	-0.00	0.02
15	58	-386.7	1611.2	576.0	-0.00	-0.78	1.95
	35	303.3	-1263.9	-576.0	-0.00	0.00	0.01
16	58	-386.7	1611.2	-583.1	0.00	0.79	1.95
	35	303.3	-1263.9	583.1	0.00	-0.00	0.01
17	58	-386.7	659.2	662.5	-0.00	-0.90	0.66
	35	303.3	-311.9	-662.5	-0.00	0.00	0.00

	58	-386.7	659.2	-496.7	0.00	0.68	0.66
	35	303.3	-311.9	496.7	0.00	-0.00	0.00
19	58	-386.7	1611.2	996.4	-0.00	-1.36	1.95
	35	303.3	-1263.9	-996.4	-0.00	0.00	0.01
20	58	-386.7	1611.2	-935.5	0.00	1.27	1.95
	35	303.3	-1263.9	935.5	0.00	-0.00	0.01
21	58	-386.7	2372.7	920.6	-0.00	-1.25	2.98
	35	303.3	-2025.5	-920.6	-0.00	0.00	0.02
22	58	-386.7	2372.7	-1011.3	0.00	1.38	2.98
	35	303.3	-2025.5	1011.3	0.00	-0.00	0.02
23	58	-386.7	1611.2	970.0	-0.00	-1.32	1.95
	35	303.3	-1263.9	-970.0	-0.00	0.00	0.01
24	58	-386.7	1611.2	-961.9	0.00	1.31	1.95
	35	303.3	-1263.9	961.9	0.00	-0.00	0.01
25	58	-386.7	1040.0	1021.9	-0.00	-1.39	1.18
	35	303.3	-692.7	-1021.9	-0.00	0.00	0.00
26	58	-386.7	1040.0	-910.1	0.00	1.24	1.17
	35	303.3	-692.7	910.1	0.00	-0.00	0.01
27	58	-412.3	1633.2	20.7	-0.00	-0.03	2.03
	35	348.2	-1366.1	-20.7	0.00	-0.00	0.01
28	58	-355.0	1616.5	-42.8	-0.00	0.06	2.01
	35	290.9	-1349.4	42.8	0.00	-0.00	0.01
29	58	-484.1	1654.4	113.3	-0.00	-0.15	2.06
	35	419.9	-1387.3	-113.3	0.00	-0.00	0.01
30	58	-392.6	1628.1	23.4	0.00	-0.03	2.03
	35	328.5	-1360.9	-23.4	-0.00	0.00	0.01
31	58	-426.1	1638.1	73.8	0.00	-0.10	2.04
	35	362.0	-1371.0	-73.8	-0.00	0.00	0.01
32	58	-368.8	1621.4	10.3	0.00	-0.01	2.02
	35	304.7	-1354.3	-10.3	-0.00	0.00	0.01
33	58	-292.9	1598.8	-98.3	0.00	0.13	1.98
	35	228.8	-1331.6	98.3	-0.00	0.00	0.01
34	58	-297.1	1600.2	-82.4	0.00	0.11	1.99
	35	232.9	-1333.1	82.4	-0.00	0.00	0.01
35	58	-270.5	1127.3	9.5	0.00	-0.01	1.35
	35	206.4	-860.1	-9.5	-0.00	0.00	0.01
36	58	-150.5	627.2	13.6	0.00	-0.02	0.67
	35	86.4	-360.1	-13.6	0.00	-0.00	0.00
37	58	-150.5	1134.9	-36.9	-0.00	0.05	1.36
	35	86.4	-867.8	36.9	-0.00	0.00	0.01
38	58	-150.5	627.2	-4.0	0.00	0.01	0.67
	35	86.4	-360.1	4.0	-0.00	-0.00	0.00
39	58	-150.5	246.4	30.6	0.00	-0.04	0.15
	35	86.4	20.7	-30.6	-0.00	-0.00	-0.00
40	58	-150.5	627.2	390.0	-0.00	-0.53	0.67
	35	86.4	-360.1	-390.0	-0.00	0.00	0.00
41	58	-150.5	627.2	-382.8	0.00	0.52	0.67
	35	86.4	-360.1	382.8	0.00	-0.00	0.00
42	58	-390.6	1627.3	15.5	0.00	-0.02	2.02
	35	326.4	-1360.2	-15.5	-0.00	0.00	0.01
43	58	-410.3	1632.6	21.4	-0.00	-0.03	2.03
	35	346.2	-1365.4	-21.4	0.00	-0.00	0.01
44	58	-358.7	1617.5	-36.5	-0.00	0.05	2.01
	35	294.6	-1350.4	36.5	0.00	-0.00	0.01
45	58	-474.8	1651.7	105.0	-0.00	-0.14	2.06
	35	410.7	-1384.5	-105.0	0.00	-0.00	0.01

	58	-478.4	1653.0	118.9	-0.00	-0.16	2.06
	35	414.3	-1385.9	-118.9	0.00	-0.00	0.01
47	58	-422.4	1637.1	67.4	0.00	-0.09	2.04
	35	358.3	-1370.0	-67.4	-0.00	0.00	0.01
48	58	-370.8	1622.1	9.5	0.00	-0.01	2.02
	35	306.7	-1355.0	-9.5	-0.00	0.00	0.01
49	58	-302.7	1601.6	-87.9	0.00	0.12	1.99
	35	238.6	-1334.5	87.9	-0.00	0.00	0.01
50	58	-306.4	1603.0	-74.1	0.00	0.10	1.99
	35	242.2	-1335.9	74.1	-0.00	0.00	0.01
51	58	-166.6	631.5	8.4	-0.00	-0.01	0.68
	35	102.5	-364.3	-8.4	0.00	-0.00	0.00
52	58	-124.6	619.2	-38.7	-0.00	0.05	0.66
	35	60.5	-352.1	38.7	0.00	-0.00	0.00
53	58	-219.1	647.0	76.5	-0.00	-0.10	0.70
	35	155.0	-379.9	-76.5	0.00	-0.00	0.00
54	58	-222.0	648.1	87.8	-0.00	-0.12	0.70
	35	157.9	-381.0	-87.8	0.00	-0.00	0.00
55	58	-176.4	635.1	45.9	0.00	-0.06	0.68
	35	112.3	-368.0	-45.9	-0.00	0.00	0.00
56	58	-134.4	622.9	-1.3	0.00	0.00	0.66
	35	70.3	-355.8	1.3	-0.00	0.00	0.00
57	58	-79.0	606.3	-80.6	0.00	0.11	0.64
	35	14.9	-339.1	80.6	-0.00	0.00	0.00
58	58	-82.0	607.4	-69.4	0.00	0.09	0.64
	35	17.9	-340.2	69.4	-0.00	0.00	0.00
1	80	232.1	-634.4	1.5	-0.00	0.00	-1.02
	58	-372.1	1217.6	-1.5	0.00	-0.00	-1.10
2	80	985.2	-3148.3	1.8	-0.00	0.00	-3.94
	58	-1125.1	3731.4	-1.8	0.00	-0.01	-3.93
3	80	-9204.6	-3166.3	-52.1	-0.00	0.07	-3.87
	58	9064.6	3749.4	52.1	0.00	0.05	-4.04
4	80	-9219.5	-4357.5	-71.3	-0.00	0.06	-5.39
	58	9079.5	4940.6	71.3	0.00	0.10	-5.25
5	80	-9179.5	-3165.3	-52.7	-0.00	0.07	-3.87
	58	9039.6	3748.5	52.7	0.00	0.05	-4.04
6	80	-9060.6	-2276.3	-41.0	-0.00	0.07	-2.73
	58	8920.7	2859.5	41.0	0.00	0.02	-3.14
7	80	11148.2	-3131.3	56.7	-0.00	-0.06	-4.01
	58	-11288.1	3714.5	-56.7	0.00	-0.07	-3.82
8	80	11133.3	-4322.5	37.5	-0.00	-0.07	-5.53
	58	-11273.3	4905.7	-37.5	0.00	-0.02	-5.03
9	80	11173.3	-3130.4	56.0	-0.00	-0.07	-4.02
	58	-11313.2	3713.5	-56.0	0.00	-0.06	-3.81
10	80	11292.2	-2241.4	67.8	-0.00	-0.06	-2.88
	58	-11432.1	2824.5	-67.8	0.00	-0.09	-2.92
11	80	-9590.0	-1909.7	-51.9	-0.00	0.07	-2.41
	58	9450.1	2492.8	51.9	0.00	0.05	-2.63
12	80	10762.8	-1874.8	56.8	-0.00	-0.06	-2.55
	58	-10902.7	2457.9	-56.8	0.00	-0.07	-2.40
13	80	-9614.8	-3895.0	-83.9	-0.00	0.06	-4.94
	58	9474.9	4478.2	83.9	0.00	0.13	-4.64
14	80	10737.9	-3860.1	24.9	-0.00	-0.07	-5.08
	58	-10877.9	4443.2	-24.9	0.00	0.02	-4.42
15	80	-9548.2	-1908.1	-53.0	-0.00	0.06	-2.41

	58	9408.3	2491.3	53.0	0.00	0.06	-2.62
16	80	10804.5	-1873.2	55.7	-0.00	-0.07	-2.55
	58	-10944.5	2456.3	-55.7	0.00	-0.06	-2.40
17	80	-9350.1	-426.5	-33.4	-0.00	0.07	-0.51
	58	9210.1	1009.6	33.4	0.00	0.00	-1.13
18	80	11002.7	-391.5	75.3	-0.00	-0.06	-0.66
	58	-11142.7	974.6	-75.3	0.00	-0.11	-0.91
19	80	-16365.4	-1921.0	-88.5	-0.00	0.11	-2.36
	58	16225.4	2504.1	88.5	0.00	0.09	-2.70
20	80	17555.9	-1862.8	92.8	-0.00	-0.11	-2.60
	58	-17695.9	2445.9	-92.8	0.00	-0.11	-2.33
21	80	-16380.2	-3112.2	-107.6	-0.00	0.11	-3.88
	58	16240.3	3695.3	107.6	0.00	0.14	-3.91
22	80	17541.0	-3054.0	73.6	-0.00	-0.11	-4.12
	58	-17681.0	3637.1	-73.6	0.00	-0.05	-3.54
23	80	-16340.3	-1920.1	-89.1	-0.00	0.11	-2.36
	58	16200.3	2503.2	89.1	0.00	0.09	-2.70
24	80	17581.0	-1861.8	92.1	-0.00	-0.11	-2.60
	58	-17720.9	2444.9	-92.1	0.00	-0.10	-2.33
25	80	-16221.4	-1031.1	-77.4	-0.00	0.12	-1.23
	58	16081.4	1614.2	77.4	0.00	0.06	-1.80
26	80	17699.9	-972.8	103.9	-0.00	-0.11	-1.46
	58	-17839.8	1555.9	-103.9	0.00	-0.13	-1.43
27	80	1142.5	-2120.9	60.9	-0.00	-0.06	-2.63
	58	-1250.1	2569.4	-60.9	0.00	-0.08	-2.73
28	80	874.4	-2077.2	104.0	-0.00	-0.08	-2.69
	58	-982.1	2525.8	-104.0	0.00	-0.16	-2.57
29	80	1216.6	-2177.4	-46.5	0.00	0.02	-2.57
	58	-1324.2	2626.0	46.5	-0.00	0.10	-2.92
30	80	565.2	-2109.5	-23.6	-0.00	0.02	-2.67
	58	-672.9	2558.0	23.6	0.00	0.03	-2.68
31	80	460.6	-2136.9	-102.2	0.00	0.08	-2.64
	58	-568.2	2585.4	102.2	-0.00	0.16	-2.77
32	80	192.5	-2093.2	-59.1	-0.00	0.06	-2.70
	58	-300.1	2541.8	59.1	0.00	0.07	-2.61
33	80	323.0	-2031.9	97.1	-0.00	-0.05	-2.76
	58	-430.6	2480.5	-97.1	0.00	-0.18	-2.40
34	80	118.4	-2036.7	48.2	-0.00	-0.01	-2.76
	58	-226.0	2485.3	-48.2	0.00	-0.11	-2.42
35	80	416.5	-1269.1	0.8	-0.00	0.00	-1.69
	58	-524.1	1717.7	-0.8	0.00	-0.00	-1.73
36	80	156.6	-431.5	1.0	-0.00	0.00	-0.72
	58	-264.2	880.1	-1.0	0.00	-0.00	-0.78
37	80	146.6	-1225.6	-11.8	-0.00	-0.00	-1.73
	58	-254.3	1674.2	11.8	0.00	0.03	-1.59
38	80	173.3	-430.9	0.6	-0.00	-0.00	-0.72
	58	-280.9	879.4	-0.6	0.00	-0.00	-0.78
39	80	252.5	161.8	8.4	-0.00	0.00	0.04
	58	-360.2	286.8	-8.4	0.00	-0.02	-0.18
40	80	-6618.8	-442.8	-35.6	-0.00	0.05	-0.67
	58	6511.1	891.4	35.6	0.00	0.04	-0.86
41	80	6949.7	-419.5	36.9	-0.00	-0.04	-0.76
	58	-7057.4	868.1	-36.9	0.00	-0.04	-0.71
42	80	667.5	-2107.1	0.9	-0.00	0.00	-2.67
	58	-775.1	2555.6	-0.9	0.00	-0.00	-2.67
43	80	1145.2	-2118.9	63.7	-0.00	-0.06	-2.63

	58	-1252.9	2567.5	-63.7	0.00	-0.09	-2.72
44	80	896.9	-2079.0	108.0	-0.00	-0.08	-2.68
	58	-1004.6	2527.6	-108.0	0.00	-0.17	-2.58
45	80	1187.4	-2171.2	-47.5	0.00	0.02	-2.58
	58	-1295.0	2619.7	47.5	-0.00	0.10	-2.90
46	80	975.2	-2176.0	-98.5	0.00	0.06	-2.58
	58	-1082.9	2624.6	98.5	-0.00	0.18	-2.91
47	80	438.0	-2135.1	-106.3	0.00	0.08	-2.65
	58	-545.7	2583.6	106.3	-0.00	0.16	-2.76
48	80	189.8	-2095.2	-62.0	-0.00	0.06	-2.70
	58	-297.4	2543.7	62.0	0.00	0.08	-2.62
49	80	359.8	-2038.1	100.2	-0.00	-0.06	-2.75
	58	-467.4	2486.7	-100.2	0.00	-0.18	-2.43
50	80	147.6	-2043.0	49.2	-0.00	-0.01	-2.75
	58	-255.3	2491.5	-49.2	0.00	-0.11	-2.44
51	80	552.7	-440.9	51.6	-0.00	-0.05	-0.69
	58	-660.3	889.5	-51.6	0.00	-0.07	-0.82
52	80	351.0	-408.4	87.0	-0.00	-0.07	-0.73
	58	-458.7	857.0	-87.0	0.00	-0.14	-0.71
53	80	587.4	-483.3	-37.9	0.00	0.01	-0.65
	58	-695.1	931.9	37.9	-0.00	0.08	-0.97
54	80	415.6	-487.2	-79.0	0.00	0.05	-0.65
	58	-523.3	935.8	79.0	-0.00	0.14	-0.98
55	80	-20.1	-453.9	-85.7	0.00	0.07	-0.70
	58	-87.5	902.4	85.7	-0.00	0.13	-0.86
56	80	-221.8	-421.4	-50.2	-0.00	0.05	-0.74
	58	114.1	870.0	50.2	0.00	0.06	-0.74
57	80	-84.7	-375.1	80.4	-0.00	-0.04	-0.78
	58	-23.0	823.6	-80.4	0.00	-0.15	-0.59
58	80	-256.5	-379.0	39.3	-0.00	-0.01	-0.79
	58	148.9	827.5	-39.3	0.00	-0.09	-0.60
1	79	248.1	-113.8	181.2	-0.05	0.05	-4.31
	51	-1983.6	7345.0	-181.2	0.05	-0.46	-4.22
2	79	1101.9	-2497.2	369.7	-0.16	0.06	-7.42
	51	-2837.4	9728.4	-369.7	0.16	-0.90	-6.56
3	79	15445.8	-3227.7	-830.0	-0.28	1.62	-5.71
	51	-17181.3	10459.0	830.0	0.28	0.28	-9.95
4	79	17064.3	-1743.9	-1313.2	-0.37	1.59	-8.18
	51	-18799.8	8975.2	1313.2	0.37	1.42	-4.08
5	79	15466.5	-3262.4	-945.1	-0.34	1.56	-5.70
	51	-17202.0	10493.6	945.1	0.34	0.60	-10.04
6	79	17784.4	-4422.7	-605.6	-0.27	1.59	-3.85
	51	-19519.9	11653.9	605.6	0.27	-0.21	-14.55
7	79	-13263.6	-1728.8	1700.5	0.03	-1.44	-9.15
	51	11528.1	8960.1	-1700.5	-0.03	-2.45	-3.08
8	79	-11645.1	-245.0	1217.3	-0.06	-1.47	-11.63
	51	9909.6	7476.3	-1217.3	0.06	-1.31	2.79
9	79	-13242.9	-1763.5	1585.4	-0.03	-1.50	-9.14
	51	11507.4	8994.7	-1585.4	0.03	-2.13	-3.17
10	79	-10925.0	-2923.8	1924.8	0.04	-1.46	-7.29
	51	9189.5	10155.0	-1924.8	-0.04	-2.94	-7.67
11	79	15011.7	-2023.4	-880.5	-0.21	1.64	-4.15
	51	-16747.2	9254.7	880.5	0.21	0.38	-8.75
12	79	-13697.7	-524.5	1650.0	0.10	-1.42	-7.60
	51	11962.2	7755.8	-1650.0	-0.10	-2.36	-1.88

	79	17709.2	449.6	-1685.9	-0.35	1.58	-8.28
	51	-19444.7	6781.6	1685.9	0.35	2.28	1.04
14	79	-11000.2	1948.5	844.5	-0.04	-1.48	-11.73
	51	9264.7	5282.8	-844.5	0.04	-0.45	7.91
15	79	15046.1	-2081.2	-1072.4	-0.30	1.53	-4.14
	51	-16781.6	9312.4	1072.4	0.30	0.92	-8.90
16	79	-13663.3	-582.3	1458.1	0.01	-1.52	-7.58
	51	11927.8	7813.6	-1458.1	-0.01	-1.81	-2.02
17	79	18909.3	-4015.0	-506.6	-0.19	1.59	-1.06
	51	-20644.8	11246.3	506.6	0.19	-0.43	-16.40
18	79	-9800.1	-2516.1	2023.9	0.12	-1.47	-4.50
	51	8064.6	9747.4	-2023.9	-0.12	-3.16	-9.53
19	79	24588.7	-2535.6	-1767.7	-0.33	2.63	-3.00
	51	-26324.2	9766.9	1767.7	0.33	1.41	-11.07
20	79	-23260.3	-37.5	2449.8	0.18	-2.46	-8.74
	51	21524.8	7268.7	-2449.8	-0.18	-3.14	0.38
21	79	26207.2	-1051.8	-2251.0	-0.42	2.60	-5.48
	51	-27942.7	8283.1	2251.0	0.42	2.55	-5.20
22	79	-21641.8	1446.3	1966.5	0.10	-2.50	-11.22
	51	19906.3	5784.9	-1966.5	-0.10	-2.00	6.26
23	79	24609.3	-2570.3	-1882.8	-0.39	2.57	-2.99
	51	-26344.8	9801.6	1882.8	0.39	1.74	-11.16
24	79	-23239.7	-72.2	2334.6	0.13	-2.52	-8.73
	51	21504.2	7303.4	-2334.6	-0.13	-2.82	0.30
25	79	26927.3	-3730.6	-1543.4	-0.32	2.61	-1.14
	51	-28662.8	10961.9	1543.4	0.32	0.93	-15.67
26	79	-20921.7	-1232.5	2674.1	0.20	-2.49	-6.89
	51	19186.2	8463.7	-2674.1	-0.20	-3.63	-4.21
27	79	2439.4	-2958.1	1274.8	-0.28	-1.30	-4.75
	51	-3774.4	8520.6	-1274.8	0.28	-1.61	-8.38
28	79	110.8	-1017.9	2277.4	-0.19	-1.71	-5.61
	51	-1445.8	6580.4	-2277.4	0.19	-3.66	-3.08
29	79	4903.4	-5005.7	-961.2	-0.30	0.26	-3.85
	51	-6238.4	10568.2	961.2	0.30	2.18	-13.97
30	79	805.6	-1587.0	-204.2	-0.07	0.51	-5.36
	51	-2140.6	7149.5	204.2	0.07	-0.02	-4.63
31	79	1717.1	-2341.2	-1771.8	-0.03	1.80	-5.03
	51	-3052.1	7903.7	1771.8	0.03	2.41	-6.69
32	79	-611.6	-401.1	-769.2	0.06	1.39	-5.89
	51	-723.4	5963.6	769.2	-0.06	0.37	-1.40
33	79	-2858.8	1461.5	2380.8	-0.00	-1.10	-6.71
	51	1523.8	4101.0	-2380.8	0.00	-4.64	3.69
34	79	-3075.5	1646.6	1466.8	0.07	-0.17	-6.79
	51	1740.5	3915.9	-1466.8	-0.07	-3.43	4.19
35	79	629.3	-885.1	190.0	-0.08	0.04	-4.28
	51	-1964.3	6447.6	-190.0	0.08	-0.48	-4.11
36	79	337.5	-78.0	170.8	-0.02	0.06	-3.25
	51	-1672.5	5640.5	-170.8	0.02	-0.45	-3.29
37	79	1416.5	911.2	-151.3	-0.08	0.04	-4.90
	51	-2751.5	4651.3	151.3	0.08	0.31	0.62
38	79	351.3	-101.1	94.1	-0.06	0.02	-3.24
	51	-1686.3	5663.6	-94.1	0.06	-0.23	-3.35
39	79	1896.6	-874.7	320.4	-0.01	0.04	-2.01
	51	-3231.6	6437.2	-320.4	0.01	-0.77	-6.36
40	79	9914.5	-590.3	-716.4	-0.15	1.06	-2.10
	51	-11249.5	6152.8	716.4	0.15	0.58	-5.62

	79	-9225.1	409.0	970.6	0.06	-0.98	-4.39
	51	7890.1	5153.5	-970.6	-0.06	-1.24	-1.03
42	79	913.9	-1679.6	252.8	-0.11	0.04	-5.32
	51	-2248.9	7242.1	-252.8	0.11	-0.62	-4.89
43	79	2326.6	-2868.8	1342.5	-0.28	-1.35	-4.79
	51	-3661.6	8431.3	-1342.5	0.28	-1.72	-8.14
44	79	208.1	-1097.0	2340.0	-0.19	-1.77	-5.58
	51	-1543.1	6659.5	-2340.0	0.19	-3.73	-3.30
45	79	4550.8	-4723.5	-933.2	-0.30	0.27	-3.97
	51	-5885.8	10286.0	933.2	0.30	2.09	-13.20
46	79	4338.7	-4541.5	-1886.2	-0.22	1.23	-4.05
	51	-5673.7	10104.0	1886.2	0.22	3.35	-12.70
47	79	1619.8	-2262.1	-1834.4	-0.03	1.86	-5.06
	51	-2954.8	7824.6	1834.4	0.03	2.48	-6.48
48	79	-498.7	-490.4	-836.9	0.06	1.44	-5.85
	51	-836.3	6052.9	836.9	-0.06	0.48	-1.64
49	79	-2510.9	1182.4	2391.8	0.00	-1.14	-6.58
	51	1175.9	4380.1	-2391.8	-0.00	-4.59	2.93
50	79	-2722.9	1364.4	1438.8	0.08	-0.18	-6.67
	51	1387.9	4198.1	-1438.8	-0.08	-3.33	3.42
51	79	1495.6	-1060.1	1007.1	-0.18	-1.10	-2.82
	51	-2830.6	6622.6	-1007.1	0.18	-1.21	-5.97
52	79	-229.5	382.4	1809.6	-0.11	-1.44	-3.45
	51	-1105.5	5180.1	-1809.6	0.11	-2.83	-2.04
53	79	3306.4	-2569.3	-826.0	-0.20	0.21	-2.15
	51	-4641.4	8131.8	826.0	0.20	1.86	-10.09
54	79	3133.4	-2420.4	-1594.7	-0.13	0.99	-2.22
	51	-4468.4	7982.9	1594.7	0.13	2.87	-9.69
55	79	918.9	-563.7	-1555.3	0.02	1.51	-3.04
	51	-2253.9	6126.2	1555.3	-0.02	2.17	-4.62
56	79	-806.2	878.8	-752.8	0.10	1.17	-3.67
	51	-528.8	4683.7	752.8	-0.10	0.55	-0.68
57	79	-2444.0	2239.1	1849.0	0.05	-0.92	-4.27
	51	1109.0	3323.4	-1849.0	-0.05	-3.53	3.03
58	79	-2617.0	2388.1	1080.3	0.11	-0.14	-4.34
	51	1282.0	3174.4	-1080.3	-0.11	-2.52	3.44
1	78	151.7	-575.8	14.7	-0.00	0.00	-0.96
	57	-291.7	1158.9	-14.7	0.00	-0.04	-1.03
2	78	781.1	-2839.8	31.0	-0.01	0.00	-3.63
	57	-921.1	3423.0	-31.0	0.01	-0.08	-3.53
3	78	-5329.3	-2860.3	-54.4	-0.00	0.08	-3.57
	57	5189.3	3443.5	54.4	0.00	0.04	-3.64
4	78	-5149.1	-3922.2	-72.7	-0.01	0.07	-4.97
	57	5009.2	4505.3	72.7	0.01	0.09	-4.68
5	78	-5219.3	-2862.7	-57.7	-0.00	0.08	-3.57
	57	5079.4	3445.8	57.7	0.00	0.06	-3.65
6	78	-5270.0	-2067.2	-44.1	-0.00	0.08	-2.52
	57	5130.0	2650.3	44.1	0.00	0.02	-2.88
7	78	6771.6	-2816.8	120.3	-0.01	-0.07	-3.69
	57	-6911.5	3399.9	-120.3	0.01	-0.21	-3.42
8	78	6951.7	-3878.6	102.0	-0.01	-0.07	-5.09
	57	-7091.7	4461.8	-102.0	0.01	-0.16	-4.45
9	78	6881.6	-2819.1	117.0	-0.01	-0.07	-3.69
	57	-7021.5	3402.3	-117.0	0.01	-0.20	-3.42
10	78	6830.9	-2023.6	130.6	-0.01	-0.07	-2.65

	57	-6970.9	2606.8	-130.6	0.01	-0.23	-2.65
11	78	-5684.0	-1727.5	-61.3	-0.00	0.08	-2.23
	57	5544.0	2310.6	61.3	0.00	0.06	-2.39
12	78	6416.9	-1683.9	113.4	-0.01	-0.07	-2.36
	57	-6556.8	2267.0	-113.4	0.01	-0.19	-2.16
13	78	-5383.7	-3497.2	-91.8	-0.01	0.07	-4.56
	57	5243.8	4080.3	91.8	0.01	0.14	-4.11
14	78	6717.1	-3453.7	82.9	-0.01	-0.07	-4.69
	57	-6857.1	4036.8	-82.9	0.01	-0.12	-3.88
15	78	-5500.7	-1731.4	-66.7	-0.00	0.07	-2.23
	57	5360.7	2314.5	66.7	0.00	0.08	-2.40
16	78	6600.2	-1687.9	108.0	-0.01	-0.07	-2.36
	57	-6740.1	2271.0	-108.0	0.01	-0.18	-2.17
17	78	-5585.1	-405.6	-44.1	0.00	0.08	-0.49
	57	5445.2	988.7	44.1	-0.00	0.02	-1.11
18	78	6515.7	-362.0	130.6	-0.00	-0.07	-0.61
	57	-6655.7	945.1	-130.6	0.00	-0.23	-0.88
19	78	-9677.6	-1742.8	-120.8	-0.00	0.13	-2.19
	57	9537.7	2326.0	120.8	0.00	0.15	-2.47
20	78	10490.5	-1670.3	170.3	-0.01	-0.12	-2.40
	57	-10630.5	2253.4	-170.3	0.01	-0.27	-2.09
21	78	-9497.5	-2804.7	-139.1	-0.00	0.12	-3.59
	57	9357.5	3387.8	139.1	0.00	0.20	-3.50
22	78	10670.7	-2732.1	152.0	-0.01	-0.12	-3.80
	57	-10810.6	3315.2	-152.0	0.01	-0.23	-3.12
23	78	-9567.6	-1745.2	-124.1	-0.00	0.12	-2.19
	57	9427.7	2328.3	124.1	0.00	0.16	-2.47
24	78	10600.5	-1672.6	167.1	-0.01	-0.12	-2.40
	57	-10740.4	2255.7	-167.1	0.01	-0.26	-2.09
25	78	-9618.3	-949.7	-110.5	0.00	0.13	-1.14
	57	9478.4	1532.8	110.5	-0.00	0.13	-1.70
26	78	10549.8	-877.1	180.7	-0.01	-0.12	-1.35
	57	-10689.8	1460.2	-180.7	0.01	-0.30	-1.32
27	78	1275.7	-1927.1	114.8	-0.00	-0.05	-2.40
	57	-1383.4	2375.7	-114.8	0.00	-0.20	-2.52
28	78	1649.2	-1893.7	70.8	-0.00	-0.07	-2.48
	57	-1756.8	2342.2	-70.8	0.00	-0.11	-2.37
29	78	183.8	-1960.3	116.4	-0.00	0.02	-2.33
	57	-291.4	2408.8	-116.4	0.00	-0.23	-2.67
30	78	243.7	-1899.4	0.3	-0.00	0.02	-2.46
	57	-351.3	2348.0	-0.3	0.00	-0.02	-2.40
31	78	-599.3	-1910.2	-27.5	-0.00	0.08	-2.44
	57	491.6	2358.8	27.5	0.00	0.00	-2.45
32	78	-225.9	-1876.7	-71.5	-0.01	0.06	-2.51
	57	118.2	2325.3	71.5	0.01	0.09	-2.30
33	78	1428.6	-1848.7	-30.4	-0.01	-0.05	-2.58
	57	-1536.3	2297.2	30.4	0.01	0.07	-2.17
34	78	866.1	-1843.6	-73.1	-0.01	-0.01	-2.59
	57	-973.7	2292.2	73.1	0.01	0.13	-2.15
35	78	315.1	-1147.3	16.2	-0.00	0.00	-1.57
	57	-422.8	1595.8	-16.2	0.00	-0.04	-1.57
36	78	65.3	-391.7	12.0	-0.00	0.00	-0.67
	57	-173.0	840.3	-12.0	0.00	-0.03	-0.73
37	78	185.4	-1099.6	-0.2	-0.00	0.00	-1.61
	57	-293.1	1548.2	0.2	0.00	-0.00	-1.42
38	78	138.6	-393.3	9.8	-0.00	0.00	-0.68

	57	-246.3	841.9	-9.8	0.00	-0.02	-0.74
39	78	104.9	137.0	18.9	0.00	0.00	0.02
	57	-212.5	311.5	-18.9	-0.00	-0.05	-0.22
40	78	-3928.3	-407.1	-47.5	0.00	0.05	-0.63
	57	3820.7	855.7	47.5	-0.00	0.06	-0.81
41	78	4139.0	-378.1	69.0	-0.00	-0.05	-0.72
	57	-4246.6	826.6	-69.0	0.00	-0.11	-0.66
42	78	524.9	-1901.9	21.6	-0.00	0.00	-2.46
	57	-632.6	2350.5	-21.6	0.00	-0.05	-2.41
43	78	1305.7	-1925.9	117.3	-0.00	-0.05	-2.41
	57	-1413.3	2374.5	-117.3	0.00	-0.20	-2.51
44	78	1690.2	-1895.0	74.2	-0.00	-0.07	-2.48
	57	-1797.9	2343.5	-74.2	0.00	-0.11	-2.37
45	78	175.9	-1956.1	115.7	-0.00	0.02	-2.34
	57	-283.5	2404.7	-115.7	0.00	-0.23	-2.65
46	78	-407.9	-1951.0	71.2	-0.00	0.06	-2.35
	57	300.3	2399.6	-71.2	0.00	-0.17	-2.63
47	78	-640.4	-1908.9	-30.9	-0.00	0.08	-2.44
	57	532.7	2357.5	30.9	0.00	0.01	-2.44
48	78	-255.8	-1877.9	-74.0	-0.01	0.06	-2.51
	57	148.2	2326.5	74.0	0.01	0.10	-2.31
49	78	1457.8	-1852.9	-27.9	-0.01	-0.05	-2.57
	57	-1565.5	2301.4	27.9	0.01	0.06	-2.19
50	78	874.0	-1847.8	-72.4	-0.01	-0.01	-2.58
	57	-981.6	2296.3	72.4	0.01	0.12	-2.17
51	78	738.7	-412.1	88.0	0.00	-0.04	-0.63
	57	-846.3	860.7	-88.0	-0.00	-0.15	-0.82
52	78	1045.7	-387.0	53.2	-0.00	-0.06	-0.69
	57	-1153.4	835.5	-53.2	0.00	-0.08	-0.71
53	78	-170.4	-436.6	86.6	0.00	0.01	-0.58
	57	62.8	885.2	-86.6	-0.00	-0.17	-0.93
54	78	-642.5	-432.5	50.7	0.00	0.04	-0.58
	57	534.9	881.0	-50.7	-0.00	-0.12	-0.92
55	78	-835.1	-398.2	-31.8	-0.00	0.06	-0.66
	57	727.4	846.8	31.8	0.00	0.02	-0.77
56	78	-528.0	-373.1	-66.5	-0.00	0.05	-0.72
	57	420.4	821.6	66.5	0.00	0.09	-0.65
57	78	853.2	-352.7	-29.2	-0.00	-0.04	-0.77
	57	-960.8	801.3	29.2	0.00	0.06	-0.56
58	78	381.1	-348.6	-65.1	-0.00	-0.01	-0.77
	57	-488.7	797.1	65.1	0.00	0.12	-0.54
1	174	-117.4	586.7	21.5	-0.03	-0.04	0.07
	144	16.7	-167.4	-21.5	0.03	0.00	0.55
2	174	-260.7	1577.0	45.6	-0.10	-0.08	0.23
	144	160.0	-1157.7	-45.6	0.10	0.00	2.02
3	174	-1323.5	1606.0	150.4	-0.10	-0.20	0.25
	144	1222.8	-1186.7	-150.4	0.10	-0.05	2.04
4	174	-1489.9	2136.8	100.4	-0.14	-0.12	0.35
	144	1389.2	-1717.4	-100.4	0.14	-0.05	2.82
5	174	-1323.3	1609.5	137.6	-0.10	-0.18	0.26
	144	1222.7	-1190.2	-137.6	0.10	-0.05	2.05
6	174	-1164.5	1211.4	173.4	-0.07	-0.24	0.19
	144	1063.8	-792.1	-173.4	0.07	-0.05	1.46
7	174	802.3	1544.3	-45.2	-0.10	0.02	0.21
	144	-902.9	-1125.0	45.2	0.10	0.06	1.99

	174	635.9	2075.1	-95.2	-0.14	0.10	0.31
	144	-736.6	-1655.7	95.2	0.14	0.06	2.76
9	174	802.5	1547.8	-58.0	-0.10	0.04	0.21
	144	-903.1	-1128.5	58.0	0.10	0.06	1.99
10	174	961.3	1149.7	-22.2	-0.07	-0.02	0.14
	144	-1061.9	-730.4	22.2	0.07	0.05	1.41
11	174	-1251.8	1109.6	143.0	-0.06	-0.19	0.17
	144	1151.2	-690.3	-143.0	0.06	-0.05	1.31
12	174	874.0	1047.9	-52.6	-0.07	0.03	0.13
	144	-974.6	-628.6	52.6	0.07	0.05	1.25
13	174	-1529.1	1994.2	59.7	-0.13	-0.05	0.33
	144	1428.5	-1574.9	-59.7	0.13	-0.05	2.61
14	174	596.7	1932.5	-135.9	-0.13	0.17	0.29
	144	-697.3	-1513.2	135.9	0.13	0.06	2.55
15	174	-1251.5	1115.5	121.7	-0.06	-0.15	0.18
	144	1150.9	-696.1	-121.7	0.06	-0.05	1.31
16	174	874.2	1053.8	-73.9	-0.07	0.07	0.13
	144	-974.9	-634.4	73.9	0.07	0.05	1.26
17	174	-986.8	452.0	181.3	-0.02	-0.25	0.06
	144	886.2	-32.7	-181.3	0.02	-0.05	0.34
18	174	1139.0	390.3	-14.3	-0.02	-0.03	0.01
	144	-1239.6	29.1	14.3	0.02	0.05	0.28
19	174	-1960.4	1131.4	203.5	-0.06	-0.25	0.19
	144	1859.8	-712.1	-203.5	0.06	-0.08	1.33
20	174	1582.5	1028.6	-122.4	-0.07	0.11	0.11
	144	-1683.2	-609.3	122.4	0.07	0.09	1.24
21	174	-2126.8	1662.2	153.5	-0.10	-0.17	0.28
	144	2026.2	-1242.9	-153.5	0.10	-0.08	2.11
22	174	1416.2	1559.3	-172.4	-0.11	0.19	0.21
	144	-1516.8	-1140.0	172.4	0.11	0.09	2.01
23	174	-1960.3	1134.9	190.7	-0.06	-0.23	0.19
	144	1859.6	-715.6	-190.7	0.06	-0.08	1.33
24	174	1582.7	1032.1	-135.2	-0.07	0.13	0.12
	144	-1683.3	-612.8	135.2	0.07	0.09	1.24
25	174	-1801.4	736.9	226.5	-0.03	-0.29	0.12
	144	1700.8	-317.5	-226.5	0.03	-0.08	0.75
26	174	1741.5	634.0	-99.5	-0.04	0.08	0.04
	144	-1842.2	-214.7	99.5	0.04	0.09	0.65
27	174	-114.1	1091.0	-38.8	-0.07	0.03	0.18
	144	36.7	-768.5	38.8	0.07	0.03	1.35
28	174	-14.5	1129.3	-137.4	-0.07	0.17	0.19
	144	-62.9	-806.7	137.4	0.07	0.06	1.41
29	174	-313.3	1033.2	160.7	-0.07	-0.25	0.15
	144	235.9	-710.6	-160.7	0.07	-0.03	1.29
30	174	-218.6	1085.7	68.5	-0.07	-0.10	0.15
	144	141.2	-763.1	-68.5	0.07	-0.01	1.37
31	174	-351.4	1053.3	202.2	-0.07	-0.29	0.13
	144	274.0	-730.8	-202.2	0.07	-0.05	1.34
32	174	-251.9	1091.6	103.5	-0.07	-0.14	0.14
	144	174.4	-769.0	-103.5	0.07	-0.02	1.39
33	174	18.5	1160.7	-168.2	-0.07	0.23	0.19
	144	-95.9	-838.2	168.2	0.07	0.06	1.46
34	174	-52.7	1149.4	-95.9	-0.07	0.13	0.17
	144	-24.8	-826.9	95.9	0.07	0.03	1.46
35	174	-135.2	761.2	24.3	-0.04	-0.04	0.10
	144	57.8	-438.6	-24.3	0.04	0.00	0.88

	174	-87.4	429.9	20.9	-0.02	-0.04	0.05
	144	10.0	-107.3	-20.9	0.02	0.00	0.39
37	174	-198.3	783.7	-12.4	-0.05	0.02	0.11
	144	120.9	-461.1	12.4	0.05	0.00	0.91
38	174	-87.3	432.2	12.4	-0.02	-0.02	0.05
	144	9.9	-109.6	-12.4	0.02	0.00	0.39
39	174	18.6	166.8	36.2	0.00	-0.06	0.00
	144	-96.0	155.8	-36.2	-0.00	0.00	0.00
40	174	-796.0	451.7	81.5	-0.02	-0.10	0.07
	144	718.6	-129.1	-81.5	0.02	-0.03	0.41
41	174	621.1	410.5	-48.9	-0.02	0.04	0.04
	144	-698.6	-88.0	48.9	0.02	0.04	0.37
42	174	-183.0	1091.3	32.4	-0.07	-0.06	0.16
	144	105.6	-768.7	-32.4	0.07	0.00	1.37
43	174	-110.1	1093.2	-42.8	-0.07	0.04	0.18
	144	32.7	-770.6	42.8	0.07	0.03	1.36
44	174	-9.2	1128.3	-143.0	-0.07	0.18	0.19
	144	-68.2	-805.7	143.0	0.07	0.06	1.40
45	174	-314.2	1038.7	161.8	-0.07	-0.24	0.15
	144	236.8	-716.1	-161.8	0.07	-0.03	1.29
46	174	-388.1	1027.0	237.0	-0.07	-0.34	0.13
	144	310.7	-704.5	-237.0	0.07	-0.06	1.29
47	174	-356.7	1054.3	207.7	-0.07	-0.29	0.13
	144	279.3	-731.8	-207.7	0.07	-0.05	1.34
48	174	-255.8	1089.4	107.5	-0.07	-0.15	0.14
	144	178.4	-766.9	-107.5	0.07	-0.03	1.39
49	174	22.2	1155.6	-172.2	-0.07	0.23	0.18
	144	-99.6	-833.0	172.2	0.07	0.06	1.45
50	174	-51.8	1143.9	-97.1	-0.07	0.13	0.17
	144	-25.6	-821.4	97.1	0.07	0.04	1.45
51	174	-28.9	432.6	-44.2	-0.02	0.05	0.07
	144	-48.5	-110.0	44.2	0.02	0.02	0.38
52	174	52.0	461.1	-124.6	-0.02	0.16	0.07
	144	-129.4	-138.5	124.6	0.02	0.05	0.42
53	174	-192.7	388.3	120.0	-0.02	-0.18	0.04
	144	115.3	-65.7	-120.0	0.02	-0.02	0.33
54	174	-252.1	378.9	180.4	-0.02	-0.26	0.03
	144	174.7	-56.3	-180.4	0.02	-0.05	0.33
55	174	-226.9	401.1	157.1	-0.02	-0.22	0.03
	144	149.5	-78.6	-157.1	0.02	-0.04	0.37
56	174	-146.0	429.6	76.8	-0.02	-0.10	0.03
	144	68.5	-107.1	-76.8	0.02	-0.02	0.41
57	174	77.2	483.4	-147.9	-0.02	0.20	0.07
	144	-154.6	-160.8	147.9	0.02	0.05	0.46
58	174	17.8	473.9	-87.5	-0.02	0.12	0.06
	144	-95.2	-151.4	87.5	0.02	0.03	0.46
1	146	258.9	-780.8	-4.9	0.00	0.00	-0.60
	117	-359.6	1200.1	4.9	-0.00	0.01	-1.03
2	146	990.9	-3165.9	-12.5	0.00	0.00	-2.30
	117	-1091.6	3585.2	12.5	-0.00	0.02	-3.25
3	146	-791.9	-3141.8	-167.2	0.01	0.07	-2.32
	117	691.3	3561.2	167.2	-0.01	0.20	-3.20
4	146	-1047.4	-4319.7	-220.0	0.01	0.07	-3.22
	117	946.7	4739.0	220.0	-0.01	0.29	-4.24
5	146	-792.9	-3143.4	-179.2	0.01	0.07	-2.31

	117	692.2	3562.8	179.2	-0.01	0.22	-3.20
6	146	-565.7	-2261.1	-141.3	0.01	0.07	-1.64
	117	465.1	2680.4	141.3	-0.01	0.16	-2.43
7	146	2775.0	-3188.2	155.6	-0.01	-0.07	-2.29
	117	-2875.6	3607.5	-155.6	0.01	-0.19	-3.30
8	146	2519.5	-4366.0	102.8	-0.01	-0.07	-3.19
	117	-2620.2	4785.3	-102.8	0.01	-0.10	-4.34
9	146	2774.0	-3189.8	143.6	-0.01	-0.07	-2.29
	117	-2874.6	3609.1	-143.6	0.01	-0.17	-3.30
10	146	3001.2	-2307.5	181.5	-0.01	-0.07	-1.61
	117	-3101.8	2726.8	-181.5	0.01	-0.23	-2.53
11	146	-1157.5	-1948.7	-159.0	0.01	0.07	-1.46
	117	1056.8	2368.1	159.0	-0.01	0.19	-2.09
12	146	2409.4	-1995.1	163.8	-0.01	-0.07	-1.44
	117	-2510.0	2414.4	-163.8	0.01	-0.20	-2.19
13	146	-1583.3	-3911.8	-247.0	0.01	0.07	-2.96
	117	1482.6	4331.1	247.0	-0.01	0.34	-3.82
14	146	1983.6	-3958.1	75.8	-0.01	-0.07	-2.94
	117	-2084.3	4377.5	-75.8	0.01	-0.05	-3.92
15	146	-1159.1	-1951.4	-179.0	0.01	0.07	-1.46
	117	1058.5	2370.7	179.0	-0.01	0.22	-2.09
16	146	2407.8	-1997.7	143.8	-0.01	-0.07	-1.44
	117	-2508.4	2417.1	-143.8	0.01	-0.17	-2.19
17	146	-780.5	-480.9	-115.8	0.01	0.08	-0.33
	117	679.9	900.2	115.8	-0.01	0.12	-0.80
18	146	2786.4	-527.2	207.0	-0.01	-0.06	-0.31
	117	-2887.0	946.6	-207.0	0.01	-0.28	-0.91
19	146	-2346.8	-1933.9	-271.0	0.02	0.12	-1.47
	117	2246.2	2353.2	271.0	-0.02	0.33	-2.05
20	146	3598.0	-2011.1	267.0	-0.02	-0.11	-1.43
	117	-3698.6	2430.4	-267.0	0.02	-0.32	-2.22
21	146	-2602.3	-3111.7	-323.8	0.02	0.11	-2.37
	117	2501.7	3531.0	323.8	-0.02	0.42	-3.09
22	146	3342.5	-3188.9	214.2	-0.02	-0.12	-2.33
	117	-3443.1	3608.3	-214.2	0.02	-0.23	-3.26
23	146	-2347.8	-1935.4	-283.0	0.02	0.12	-1.47
	117	2247.2	2354.8	283.0	-0.02	0.35	-2.06
24	146	3597.0	-2012.7	255.0	-0.02	-0.11	-1.43
	117	-3697.6	2432.0	-255.0	0.02	-0.31	-2.23
25	146	-2120.7	-1053.1	-245.1	0.02	0.12	-0.79
	117	2020.0	1472.5	245.1	-0.02	0.28	-1.28
26	146	3824.1	-1130.4	292.9	-0.02	-0.11	-0.75
	117	-3924.8	1549.7	-292.9	0.02	-0.37	-1.45
27	146	821.3	-2140.9	-17.5	-0.00	-0.02	-1.52
	117	-898.7	2463.5	17.5	0.00	0.06	-2.27
28	146	595.6	-2145.6	-58.7	-0.00	-0.05	-1.57
	117	-673.0	2468.1	58.7	0.00	0.14	-2.22
29	146	1057.6	-2127.5	50.8	-0.00	0.04	-1.47
	117	-1135.0	2450.1	-50.8	0.00	-0.09	-2.31
30	146	658.3	-2128.3	-0.4	0.00	0.01	-1.56
	117	-735.7	2450.9	0.4	-0.00	-0.01	-2.20
31	146	744.1	-2118.0	40.4	0.00	0.06	-1.55
	117	-821.5	2440.6	-40.4	-0.00	-0.11	-2.21
32	146	518.4	-2122.6	-0.8	0.01	0.03	-1.60
	117	-595.8	2445.2	0.8	-0.01	-0.03	-2.16
33	146	305.3	-2142.9	-86.5	0.00	-0.06	-1.64

	117	-382.7	2465.5	86.5	-0.00	0.17	-2.13
34	146	282.1	-2136.0	-69.1	0.00	-0.03	-1.65
	117	-359.6	2458.6	69.1	-0.00	0.12	-2.12
35	146	425.9	-1336.8	-6.6	0.00	0.00	-0.99
	117	-503.3	1659.3	6.6	-0.00	0.01	-1.47
36	146	182.3	-541.2	0.3	0.00	0.00	-0.42
	117	-259.7	863.7	-0.3	-0.00	-0.00	-0.73
37	146	12.0	-1326.4	-34.9	0.00	-0.00	-1.02
	117	-89.4	1649.0	34.9	-0.00	0.06	-1.42
38	146	181.6	-542.2	-7.6	0.00	0.00	-0.42
	117	-259.1	864.8	7.6	-0.00	0.01	-0.73
39	146	333.1	46.0	17.6	0.00	0.00	0.03
	117	-410.5	276.6	-17.6	-0.00	-0.03	-0.22
40	146	-1007.1	-526.3	-111.7	0.01	0.05	-0.43
	117	929.7	848.8	111.7	-0.01	0.14	-0.70
41	146	1370.8	-557.2	103.5	-0.01	-0.05	-0.42
	117	-1448.3	879.8	-103.5	0.01	-0.12	-0.77
42	146	669.9	-2131.8	-9.1	0.00	0.00	-1.56
	117	-747.3	2454.3	9.1	-0.00	0.01	-2.21
43	146	809.9	-2141.6	-19.9	-0.00	-0.02	-1.52
	117	-887.3	2464.1	19.9	0.00	0.06	-2.27
44	146	605.6	-2145.6	-56.3	-0.00	-0.05	-1.57
	117	-683.0	2468.2	56.3	0.00	0.14	-2.22
45	146	1021.8	-2128.5	42.9	-0.00	0.04	-1.48
	117	-1099.2	2451.1	-42.9	0.00	-0.08	-2.30
46	146	999.0	-2121.4	60.3	0.00	0.06	-1.48
	117	-1076.5	2444.0	-60.3	-0.00	-0.14	-2.29
47	146	734.2	-2117.9	38.1	0.00	0.06	-1.55
	117	-811.6	2440.5	-38.1	-0.00	-0.11	-2.21
48	146	529.8	-2122.0	1.6	0.01	0.03	-1.60
	117	-607.2	2444.6	-1.6	-0.01	-0.04	-2.16
49	146	340.7	-2142.1	-78.5	0.00	-0.06	-1.63
	117	-418.1	2464.7	78.5	-0.00	0.16	-2.14
50	146	318.0	-2135.0	-61.2	0.00	-0.04	-1.64
	117	-395.4	2457.6	61.2	-0.00	0.11	-2.12
51	146	295.8	-549.7	-12.8	-0.00	-0.02	-0.40
	117	-373.3	872.3	12.8	0.00	0.05	-0.78
52	146	129.5	-553.0	-42.3	-0.00	-0.04	-0.43
	117	-206.9	875.6	42.3	0.00	0.11	-0.74
53	146	468.4	-539.1	38.2	-0.00	0.03	-0.36
	117	-545.8	861.7	-38.2	0.00	-0.07	-0.81
54	146	450.0	-533.3	52.3	0.00	0.05	-0.36
	117	-527.4	855.9	-52.3	-0.00	-0.11	-0.79
55	146	234.3	-530.5	34.2	0.00	0.05	-0.41
	117	-311.7	853.0	-34.2	-0.00	-0.09	-0.73
56	146	67.9	-533.8	4.6	0.00	0.02	-0.45
	117	-145.4	856.4	-4.6	-0.00	-0.03	-0.69
57	146	-86.2	-550.1	-60.4	0.00	-0.05	-0.49
	117	8.8	872.7	60.4	-0.00	0.13	-0.67
58	146	-104.6	-544.4	-46.3	0.00	-0.03	-0.49
	117	27.2	866.9	46.3	-0.00	0.08	-0.66
1	176	-81.4	637.5	-0.8	0.00	0.00	0.11
	146	-19.2	-218.2	0.8	-0.00	-0.00	0.59
2	176	-219.0	1875.5	-4.6	0.00	0.01	0.46
	146	118.4	-1456.2	4.6	-0.00	-0.00	2.28

	176	-2001.8	1899.6	12.3	0.01	0.05	0.49
	146	1901.2	-1480.2	-12.3	-0.01	-0.07	2.29
4	176	-2257.3	2561.0	-44.3	0.01	0.14	0.68
	146	2156.7	-2141.7	44.3	-0.01	-0.07	3.19
5	176	-2002.8	1898.0	2.7	0.01	0.07	0.49
	146	1902.2	-1478.6	-2.7	-0.01	-0.07	2.29
6	176	-1775.6	1400.8	43.0	0.01	0.00	0.34
	146	1675.0	-981.5	-43.0	-0.01	-0.07	1.62
7	176	1565.1	1853.2	-11.1	-0.01	-0.05	0.43
	146	-1665.7	-1433.9	11.1	0.01	0.07	2.27
8	176	1309.6	2514.7	-67.6	-0.01	0.04	0.63
	146	-1410.2	-2095.3	67.6	0.01	0.07	3.16
9	176	1564.1	1851.6	-20.7	-0.01	-0.03	0.43
	146	-1664.7	-1432.3	20.7	0.01	0.07	2.27
10	176	1791.2	1354.5	19.7	-0.01	-0.10	0.29
	146	-1891.9	-935.2	-19.7	0.01	0.07	1.60
11	176	-1932.6	1281.1	17.6	0.01	0.04	0.31
	146	1832.0	-861.8	-17.6	-0.01	-0.07	1.45
12	176	1634.2	1234.7	-5.7	-0.01	-0.06	0.26
	146	-1734.9	-815.4	5.7	0.01	0.07	1.43
13	176	-2358.4	2383.5	-76.6	0.01	0.19	0.64
	146	2257.8	-1964.2	76.6	-0.01	-0.07	2.94
14	176	1208.5	2337.2	-100.0	-0.01	0.09	0.59
	146	-1309.1	-1917.8	100.0	0.01	0.07	2.91
15	176	-1934.3	1278.5	1.6	0.01	0.07	0.31
	146	1833.6	-859.1	-1.6	-0.01	-0.07	1.45
16	176	1632.6	1232.1	-21.7	-0.01	-0.03	0.26
	146	-1733.2	-812.8	21.7	0.01	0.07	1.43
17	176	-1555.7	449.9	68.9	0.01	-0.04	0.07
	146	1455.0	-30.6	-68.9	-0.01	-0.08	0.33
18	176	2011.2	403.5	45.5	-0.01	-0.14	0.01
	146	-2111.9	15.8	-45.5	0.01	0.06	0.31
19	176	-3122.0	1296.0	21.9	0.02	0.08	0.33
	146	3021.4	-876.7	-21.9	-0.02	-0.12	1.46
20	176	2822.8	1218.7	-17.0	-0.02	-0.09	0.24
	146	-2923.4	-799.4	17.0	0.02	0.11	1.42
21	176	-3377.5	1957.4	-34.6	0.02	0.17	0.53
	146	3276.8	-1538.1	34.6	-0.02	-0.11	2.35
22	176	2567.3	1880.2	-73.5	-0.02	0.00	0.44
	146	-2668.0	-1460.8	73.5	0.02	0.12	2.31
23	176	-3123.0	1294.4	12.3	0.02	0.10	0.33
	146	3022.4	-875.1	-12.3	-0.02	-0.12	1.46
24	176	2821.8	1217.1	-26.6	-0.02	-0.07	0.24
	146	-2922.4	-797.8	26.6	0.02	0.11	1.42
25	176	-2895.8	797.3	52.7	0.02	0.03	0.18
	146	2795.2	-377.9	-52.7	-0.02	-0.12	0.78
26	176	3049.0	720.0	13.8	-0.02	-0.13	0.09
	146	-3149.6	-300.7	-13.8	0.02	0.11	0.75
27	176	-65.8	1254.8	-78.8	-0.00	0.10	0.29
	146	-11.6	-932.3	78.8	0.00	0.02	1.51
28	176	-175.5	1296.6	-167.3	-0.00	0.23	0.31
	146	98.1	-974.1	167.3	0.00	0.05	1.56
29	176	40.7	1215.8	108.4	-0.00	-0.15	0.28
	146	-118.1	-893.3	-108.4	0.00	-0.04	1.46
30	176	-160.5	1293.9	32.9	0.00	-0.04	0.31
	146	83.1	-971.3	-32.9	-0.00	-0.01	1.55

	176	-127.1	1282.7	161.1	0.00	-0.21	0.31
	146	49.7	-960.2	-161.1	-0.00	-0.06	1.53
32	176	-236.7	1324.5	72.6	0.01	-0.09	0.33
	146	159.3	-1002.0	-72.6	-0.01	-0.03	1.58
33	176	-324.9	1355.2	-186.6	0.00	0.25	0.34
	146	247.4	-1032.6	186.6	-0.00	0.06	1.63
34	176	-343.2	1363.6	-114.6	0.00	0.16	0.34
	146	265.8	-1041.0	114.6	-0.00	0.03	1.63
35	176	-105.4	877.0	-1.9	0.00	0.00	0.19
	146	28.0	-554.4	1.9	-0.00	-0.00	0.98
36	176	-59.2	464.9	2.9	0.00	-0.00	0.08
	146	-18.3	-142.3	-2.9	-0.00	-0.00	0.42
37	176	-229.5	905.9	-34.8	0.00	0.06	0.21
	146	152.1	-583.3	34.8	-0.00	0.00	1.02
38	176	-59.8	463.8	-3.5	0.00	0.01	0.08
	146	-17.6	-141.3	3.5	-0.00	-0.00	0.42
39	176	91.6	132.4	23.4	0.00	-0.04	-0.02
	146	-169.0	190.2	-23.4	-0.00	-0.00	-0.03
40	176	-1248.5	479.8	7.2	0.01	0.04	0.10
	146	1171.1	-157.2	-7.2	-0.01	-0.05	0.43
41	176	1129.4	448.9	-8.4	-0.01	-0.03	0.06
	146	-1206.8	-126.3	8.4	0.01	0.05	0.41
42	176	-151.3	1289.7	-3.1	0.00	0.01	0.31
	146	73.9	-967.1	3.1	-0.00	-0.00	1.55
43	176	-70.0	1256.5	-82.9	-0.00	0.11	0.29
	146	-7.4	-934.0	82.9	0.00	0.02	1.51
44	176	-169.8	1294.3	-172.8	-0.00	0.23	0.31
	146	92.4	-971.8	172.8	0.00	0.05	1.56
45	176	24.5	1222.4	109.3	-0.00	-0.14	0.28
	146	-101.9	-899.8	-109.3	0.00	-0.04	1.46
46	176	5.7	1230.9	184.1	0.00	-0.24	0.29
	146	-83.1	-908.4	-184.1	-0.00	-0.06	1.47
47	176	-132.7	1285.0	166.6	0.00	-0.22	0.31
	146	55.3	-962.5	-166.6	-0.00	-0.06	1.53
48	176	-232.5	1322.9	76.7	0.01	-0.10	0.33
	146	155.1	-1000.3	-76.7	-0.01	-0.03	1.58
49	176	-308.3	1348.5	-190.4	0.00	0.26	0.33
	146	230.8	-1025.9	190.4	-0.00	0.06	1.62
50	176	-327.1	1357.0	-115.5	0.00	0.16	0.34
	146	249.7	-1034.5	115.5	-0.00	0.04	1.63
51	176	6.5	437.3	-64.9	-0.00	0.09	0.06
	146	-83.9	-114.8	64.9	0.00	0.02	0.39
52	176	-74.8	468.1	-136.9	-0.00	0.18	0.08
	146	-2.6	-145.6	136.9	0.00	0.04	0.43
53	176	83.5	409.5	89.3	-0.00	-0.12	0.05
	146	-161.0	-86.9	-89.3	0.00	-0.03	0.35
54	176	68.3	416.5	149.5	0.00	-0.20	0.06
	146	-145.7	-93.9	-149.5	-0.00	-0.05	0.36
55	176	-44.3	460.5	135.7	0.00	-0.18	0.08
	146	-33.1	-138.0	-135.7	-0.00	-0.05	0.41
56	176	-125.6	491.3	63.7	0.00	-0.08	0.09
	146	48.2	-168.8	-63.7	-0.00	-0.02	0.45
57	176	-187.5	512.2	-150.7	0.00	0.20	0.10
	146	110.0	-189.6	150.7	-0.00	0.05	0.48
58	176	-202.7	519.2	-90.5	0.00	0.12	0.10
	146	125.3	-196.6	90.5	-0.00	0.03	0.49

1	145	463.5	-1961.4	180.9	0.70	-0.10	-2.17
	116	-1711.5	7161.4	-180.9	-0.70	-0.20	-5.34
2	145	991.4	-4088.9	383.1	1.32	-0.21	-3.89
	116	-2239.4	9288.9	-383.1	-1.32	-0.42	-7.11
3	145	3567.7	-2149.0	-2719.1	1.06	1.10	-3.98
	116	-4815.7	7349.0	2719.1	-1.06	3.37	-3.84
4	145	2817.0	-1264.6	-3509.5	1.42	1.04	-5.64
	116	-4065.0	6464.6	3509.5	-1.42	4.73	-0.72
5	145	3587.5	-2143.0	-2918.0	1.16	1.08	-3.98
	116	-4835.5	7343.0	2918.0	-1.16	3.72	-3.83
6	145	7785.3	-2734.0	-2328.1	0.89	1.13	-2.62
	116	-9033.3	7934.0	2328.1	-0.89	2.71	-6.16
7	145	-1605.1	-6035.1	3701.7	1.47	-1.50	-3.81
	116	357.1	11235.1	-3701.7	-1.47	-4.59	-10.40
8	145	-2355.8	-5150.7	2911.3	1.83	-1.56	-5.47
	116	1107.8	10350.7	-2911.3	-1.83	-3.23	-7.28
9	145	-1585.3	-6029.1	3502.8	1.57	-1.52	-3.81
	116	337.3	11229.1	-3502.8	-1.57	-4.24	-10.39
10	145	2612.5	-6620.1	4092.7	1.30	-1.47	-2.45
	116	-3860.5	11820.1	-4092.7	-1.30	-5.26	-12.72
11	145	3296.9	-1087.4	-2748.2	0.72	1.16	-3.12
	116	-4544.9	6287.4	2748.2	-0.72	3.36	-2.95
12	145	-1875.9	-4973.5	3672.6	1.13	-1.43	-2.95
	116	627.9	10173.5	-3672.6	-1.13	-4.61	-9.51
13	145	2045.8	386.7	-4065.5	1.31	1.07	-5.89
	116	-3293.8	4813.3	4065.5	-1.31	5.62	2.25
14	145	-3127.0	-3499.4	2355.3	1.73	-1.53	-5.72
	116	1879.0	8699.4	-2355.3	-1.73	-2.34	-4.32
15	145	3330.0	-1077.3	-3079.7	0.88	1.13	-3.12
	116	-4578.0	6277.3	3079.7	-0.88	3.94	-2.93
16	145	-1842.8	-4963.4	3341.1	1.29	-1.47	-2.95
	116	594.8	10163.4	-3341.1	-1.29	-4.03	-9.50
17	145	10326.2	-2062.3	-2096.5	0.43	1.21	-0.85
	116	-11574.2	7262.3	2096.5	-0.43	2.24	-6.83
18	145	5153.4	-5948.5	4324.3	0.84	-1.39	-0.68
	116	-6401.4	11148.5	-4324.3	-0.84	-5.72	-13.39
19	145	5028.0	210.1	-4960.5	0.61	2.02	-3.17
	116	-6276.0	4989.9	4960.5	-0.61	6.14	-0.76
20	145	-3593.4	-6266.7	5740.8	1.30	-2.31	-2.89
	116	2345.4	11466.7	-5740.8	-1.30	-7.14	-11.70
21	145	4277.3	1094.5	-5750.9	0.97	1.96	-4.84
	116	-5525.3	4105.5	5750.9	-0.97	7.50	2.36
22	145	-4344.0	-5382.3	4950.4	1.66	-2.37	-4.55
	116	3096.0	10582.3	-4950.4	-1.66	-5.78	-8.58
23	145	5047.8	216.1	-5159.4	0.71	2.00	-3.17
	116	-6295.8	4983.9	5159.4	-0.71	6.49	-0.75
24	145	-3573.5	-6260.7	5541.9	1.40	-2.33	-2.89
	116	2325.6	11460.7	-5541.9	-1.40	-6.79	-11.69
25	145	9245.6	-374.9	-4569.5	0.44	2.05	-1.81
	116	-10493.6	5574.9	4569.5	-0.44	5.47	-3.08
26	145	624.2	-6851.7	6131.8	1.13	-2.28	-1.53
	116	-1872.2	12051.7	-6131.8	-1.13	-7.81	-14.02
27	145	1868.1	-3253.9	-53.8	1.60	-0.82	-2.32
	116	-2828.1	7253.9	53.8	-1.60	0.92	-6.14
28	145	488.9	-1877.1	-1285.6	1.80	-1.24	-3.13

	116	-1448.9	5877.1	1285.6	-1.80	3.18	-3.06
29	145	3166.2	-4984.4	2040.5	0.83	0.28	-1.45
	116	-4126.2	8984.4	-2040.5	-0.83	-3.36	-9.97
30	145	601.0	-2796.3	550.5	0.71	0.12	-2.88
	116	-1561.0	6796.3	-550.5	-0.71	-1.00	-5.07
31	145	979.7	-3608.9	1823.5	0.07	0.95	-2.56
	116	-1939.7	7608.9	-1823.5	-0.07	-3.78	-6.86
32	145	-399.6	-2232.2	591.6	0.27	0.53	-3.37
	116	-560.4	6232.2	-591.6	-0.27	-1.52	-3.78
33	145	-1431.2	-395.1	-2065.8	1.50	-1.10	-4.16
	116	471.2	4395.1	2065.8	-1.50	4.17	0.27
34	145	-1697.7	-501.6	-1502.6	1.04	-0.57	-4.23
	116	737.7	4501.6	1502.6	-1.04	2.76	0.05
35	145	558.3	-2033.9	201.5	0.73	-0.11	-2.27
	116	-1518.3	6033.9	-201.5	-0.73	-0.22	-4.37
36	145	375.5	-1326.8	206.2	0.49	-0.06	-1.69
	116	-1335.5	5326.8	-206.2	-0.49	-0.28	-3.78
37	145	-124.9	-737.2	-320.7	0.73	-0.10	-2.80
	116	-835.1	4737.2	320.7	-0.73	0.63	-1.70
38	145	388.7	-1322.8	73.6	0.55	-0.08	-1.69
	116	-1348.7	5322.8	-73.6	-0.55	-0.05	-3.77
39	145	3187.2	-1716.8	466.9	0.37	-0.04	-0.79
	116	-4147.2	5716.8	-466.9	-0.37	-0.72	-5.33
40	145	2106.6	-29.3	-2006.2	0.38	0.80	-1.75
	116	-3066.6	4029.3	2006.2	-0.38	2.50	-1.59
41	145	-1342.0	-2620.1	2274.4	0.66	-0.94	-1.64
	116	382.0	6620.1	-2274.4	-0.66	-2.81	-5.96
42	145	734.3	-2743.0	268.9	0.94	-0.15	-2.84
	116	-1694.3	6743.0	-268.9	-0.94	-0.30	-4.96
43	145	1814.5	-3200.8	-82.0	1.62	-0.85	-2.36
	116	-2774.5	7200.8	82.0	-1.62	1.00	-6.02
44	145	562.2	-1941.7	-1283.2	1.83	-1.29	-3.10
	116	-1522.2	5941.7	1283.2	-1.83	3.26	-3.22
45	145	2957.6	-4790.0	1985.4	0.83	0.30	-1.58
	116	-3917.6	8790.0	-1985.4	-0.83	-3.33	-9.53
46	145	2685.2	-4893.1	2556.4	0.35	0.86	-1.65
	116	-3645.2	8893.1	-2556.4	-0.35	-4.78	-9.74
47	145	906.3	-3544.3	1821.1	0.04	1.00	-2.59
	116	-1866.3	7544.3	-1821.1	-0.04	-3.85	-6.70
48	145	-346.0	-2285.2	619.9	0.25	0.56	-3.33
	116	-614.0	6285.2	-619.9	-0.25	-1.60	-3.90
49	145	-1216.7	-593.0	-2018.5	1.52	-1.15	-4.04
	116	256.7	4593.0	2018.5	-1.52	4.19	-0.18
50	145	-1489.1	-696.0	-1447.6	1.04	-0.59	-4.11
	116	529.1	4696.0	1447.6	-1.04	2.73	-0.39
51	145	1260.1	-1698.5	-143.9	1.08	-0.64	-1.30
	116	-2220.1	5698.5	143.9	-1.08	0.89	-4.64
52	145	240.3	-673.7	-1111.8	1.25	-0.99	-1.90
	116	-1200.3	4673.7	1111.8	-1.25	2.70	-2.36
53	145	2192.4	-2991.1	1518.6	0.44	0.29	-0.66
	116	-3152.4	6991.1	-1518.6	-0.44	-2.58	-7.50
54	145	1971.6	-3074.2	1975.8	0.05	0.73	-0.72
	116	-2931.6	7074.2	-1975.8	-0.05	-3.75	-7.67
55	145	524.3	-1975.7	1380.0	-0.20	0.85	-1.49
	116	-1484.3	5975.7	-1380.0	0.20	-3.00	-5.20
56	145	-495.6	-950.9	412.1	-0.04	0.50	-2.09

	116	-464.4	4950.9	-412.1	0.04	-1.19	-2.91
57	145	-1207.0	424.8	-1707.6	0.99	-0.87	-2.67
	116	247.0	3575.2	1707.6	-0.99	3.45	0.11
58	145	-1427.8	341.7	-1250.4	0.61	-0.43	-2.73
	116	467.8	3658.3	1250.4	-0.61	2.28	-0.05
1	175	-1012.8	4189.7	-186.8	0.70	0.21	0.44
	145	-235.2	1010.3	186.8	-0.70	0.10	2.18
2	175	-1312.8	5512.1	-402.8	1.32	0.45	0.87
	145	64.8	-312.1	402.8	-1.32	0.21	3.92
3	175	1263.4	7452.0	-16.8	1.06	1.13	3.97
	145	-2511.4	-2252.0	16.8	-1.06	-1.10	4.01
4	175	512.8	10087.7	-711.5	1.42	2.21	6.63
	145	-1760.8	-4887.7	711.5	-1.42	-1.04	5.69
5	175	1283.3	7458.0	-258.0	1.16	1.50	3.98
	145	-2531.3	-2258.0	258.0	-1.16	-1.08	4.01
6	175	5481.0	5553.5	286.3	0.89	0.65	2.22
	145	-6729.0	-353.5	-286.3	-0.89	-1.13	2.64
7	175	-3909.4	3565.9	-527.8	1.47	-0.63	-2.25
	145	2661.4	1634.1	527.8	-1.47	1.50	3.84
8	175	-4660.0	6201.6	-1222.5	1.83	0.45	0.41
	145	3412.0	-1001.6	1222.5	-1.83	1.56	5.51
9	175	-3889.5	3571.9	-768.9	1.57	-0.25	-2.24
	145	2641.5	1628.1	768.9	-1.57	1.52	3.84
10	175	308.2	1667.4	-224.7	1.30	-1.10	-4.00
	145	-1556.2	3532.6	224.7	-1.30	1.47	2.47
11	175	1406.6	6788.7	178.1	0.72	0.87	3.75
	145	-2654.6	-1588.7	-178.1	-0.72	-1.16	3.14
12	175	-3766.2	2902.6	-332.8	1.13	-0.89	-2.47
	145	2518.2	2297.4	332.8	-1.13	1.43	2.97
13	175	155.6	11181.6	-979.6	1.31	2.68	8.19
	145	-1403.6	-5981.6	979.6	-1.31	-1.07	5.93
14	175	-5017.3	7295.5	-1490.6	1.73	0.92	1.97
	145	3769.3	-2095.5	1490.6	-1.73	1.53	5.76
15	175	1439.7	6798.8	-223.7	0.88	1.50	3.77
	145	-2687.7	-1598.8	223.7	-0.88	-1.13	3.14
16	175	-3733.1	2912.6	-734.7	1.29	-0.26	-2.45
	145	2485.1	2287.4	734.7	-1.29	1.47	2.96
17	175	8436.0	3624.6	683.4	0.43	0.08	0.84
	145	-9684.0	1575.4	-683.4	-0.43	-1.21	0.85
18	175	3263.2	-261.5	172.4	0.84	-1.68	-5.39
	145	-4511.2	5461.5	-172.4	-0.84	1.39	0.68
19	175	3137.7	8086.2	261.5	0.61	1.59	5.83
	145	-4385.7	-2886.2	-261.5	-0.61	-2.02	3.20
20	175	-5483.7	1609.4	-590.1	1.30	-1.34	-4.54
	145	4235.7	3590.6	590.1	-1.30	2.31	2.91
21	175	2387.0	10721.9	-433.2	0.97	2.68	8.49
	145	-3635.0	-5521.9	433.2	-0.97	-1.96	4.87
22	175	-6234.3	4245.1	-1284.8	1.66	-0.25	-1.88
	145	4986.3	954.9	1284.8	-1.66	2.37	4.58
23	175	3157.5	8092.2	20.4	0.71	1.97	5.84
	145	-4405.5	-2892.2	-20.4	-0.71	-2.00	3.20
24	175	-5463.8	1615.4	-831.2	1.40	-0.96	-4.53
	145	4215.8	3584.6	831.2	-1.40	2.33	2.91
25	175	7355.3	6187.7	564.6	0.44	1.12	4.08
	145	-8603.3	-987.7	-564.6	-0.44	-2.05	1.82

	175	-1266.0	-289.1	-287.0	1.13	-1.81	-6.29
	145	18.0	5489.1	287.0	-1.13	2.28	1.54
27	175	-144.6	3611.6	-1994.0	1.60	2.43	0.14
	145	-815.4	388.4	1994.0	-1.60	0.82	2.34
28	175	-911.0	5190.8	-3198.3	1.80	4.06	1.93
	145	-49.0	-1190.8	3198.3	-1.80	1.24	3.15
29	175	465.2	1633.7	1032.3	0.83	-1.53	-2.14
	145	-1425.2	2366.3	-1032.3	-0.83	-0.28	1.47
30	175	-1055.7	4149.6	414.6	0.71	-0.56	0.69
	145	95.7	-149.6	-414.6	-0.71	-0.12	2.90
31	175	-956.8	3224.6	2637.9	0.07	-3.43	-0.40
	145	-3.2	775.4	-2637.9	-0.07	-0.95	2.58
32	175	-1723.2	4803.8	1433.5	0.27	-1.80	1.40
	145	763.2	-803.8	-1433.5	-0.27	-0.53	3.39
33	175	-2089.4	6897.8	-2982.3	1.50	3.92	3.83
	145	1129.4	-2897.8	2982.3	-1.50	1.10	4.19
34	175	-2333.0	6781.7	-1592.7	1.04	2.16	3.67
	145	1373.0	-2781.7	1592.7	-1.04	0.57	4.26
35	175	-833.9	3766.9	-208.2	0.73	0.24	0.62
	145	-126.1	233.1	208.2	-0.73	0.11	2.28
36	175	-740.7	3324.0	-49.2	0.49	0.02	0.48
	145	-219.3	676.0	49.2	-0.49	0.06	1.70
37	175	-1241.1	5081.2	-512.3	0.73	0.74	2.25
	145	281.1	-1081.2	512.3	-0.73	0.10	2.82
38	175	-727.5	3328.0	-210.0	0.55	0.27	0.48
	145	-232.5	672.0	210.0	-0.55	0.08	1.70
39	175	2071.0	2058.4	152.8	0.37	-0.30	-0.69
	145	-3031.0	1941.6	-152.8	-0.37	0.04	0.79
40	175	990.4	4621.5	34.1	0.38	0.74	2.56
	145	-1950.4	-621.5	-34.1	-0.38	-0.80	1.76
41	175	-2458.2	2030.8	-306.5	0.66	-0.43	-1.59
	145	1498.2	1969.2	306.5	-0.66	0.94	1.64
42	175	-933.9	4207.7	-280.2	0.94	0.32	0.77
	145	-26.1	-207.7	280.2	-0.94	0.15	2.87
43	175	-166.7	3671.0	-2066.7	1.62	2.53	0.21
	145	-793.3	329.0	2066.7	-1.62	0.85	2.38
44	175	-862.7	5113.8	-3318.5	1.83	4.21	1.85
	145	-97.3	-1113.8	3318.5	-1.83	1.29	3.12
45	175	351.9	1858.5	1082.5	0.83	-1.56	-1.89
	145	-1311.9	2141.5	-1082.5	-0.83	-0.30	1.60
46	175	100.3	1747.6	2529.9	0.35	-3.39	-2.05
	145	-1060.3	2252.4	-2529.9	-0.35	-0.86	1.67
47	175	-1005.2	3301.5	2758.1	0.04	-3.57	-0.32
	145	45.2	698.5	-2758.1	-0.04	-1.00	2.61
48	175	-1701.2	4744.3	1506.3	0.25	-1.90	1.32
	145	741.2	-744.3	-1506.3	-0.25	-0.56	3.35
49	175	-1968.2	6667.7	-3090.3	1.52	4.03	3.58
	145	1008.2	-2667.7	3090.3	-1.52	1.15	4.06
50	175	-2219.7	6556.9	-1642.9	1.04	2.20	3.42
	145	1259.7	-2556.9	1642.9	-1.04	0.59	4.13
51	175	-111.6	2888.5	-1582.6	1.08	1.95	0.03
	145	-848.4	1111.5	1582.6	-1.08	0.64	1.31
52	175	-678.1	4062.8	-2582.2	1.25	3.29	1.36
	145	-281.9	-62.8	2582.2	-1.25	0.99	1.91
53	175	311.9	1413.7	945.8	0.44	-1.34	-1.68
	145	-1271.9	2586.3	-945.8	-0.44	-0.29	0.67

	175	108.5	1324.0	2113.6	0.05	-2.82	-1.81
	145	-1068.5	2676.0	-2113.6	-0.05	-0.73	0.72
55	175	-789.8	2589.4	2309.8	-0.20	-2.98	-0.40
	145	-170.2	1410.6	-2309.8	0.20	-0.85	1.49
56	175	-1356.2	3763.8	1310.2	-0.04	-1.64	0.94
	145	396.2	236.2	-1310.2	0.04	-0.50	2.10
57	175	-1576.3	5328.3	-2386.0	0.99	3.13	2.77
	145	616.3	-1328.3	2386.0	-0.99	0.87	2.68
58	175	-1779.8	5238.5	-1218.3	0.61	1.65	2.64
	145	819.8	-1238.5	1218.3	-0.61	0.43	2.73
1	144	200.4	-737.5	27.7	-0.03	-0.00	-0.55
	115	-301.1	1156.8	-27.7	0.03	-0.04	-1.01
2	144	844.8	-3029.0	56.9	-0.10	-0.00	-2.02
	115	-945.4	3448.3	-56.9	0.10	-0.09	-3.31
3	144	-218.0	-3000.0	-4.3	-0.10	0.05	-2.05
	115	117.4	3419.3	4.3	0.10	-0.04	-3.23
4	144	-384.4	-4135.2	-52.2	-0.14	0.05	-2.83
	115	283.8	4554.6	52.2	0.14	0.04	-4.32
5	144	-217.9	-2996.5	-18.0	-0.10	0.05	-2.05
	115	117.2	3415.8	18.0	0.10	-0.02	-3.22
6	144	-59.0	-2145.0	17.9	-0.07	0.05	-1.47
	115	-41.6	2564.4	-17.9	0.07	-0.08	-2.41
7	144	1907.7	-3061.7	133.4	-0.10	-0.06	-1.99
	115	-2008.4	3481.0	-133.4	0.10	-0.16	-3.39
8	144	1741.4	-4196.9	85.4	-0.14	-0.06	-2.77
	115	-1842.0	4616.3	-85.4	0.14	-0.08	-4.48
9	144	1907.9	-3058.2	119.6	-0.10	-0.06	-2.00
	115	-2008.5	3477.5	-119.6	0.10	-0.14	-3.38
10	144	2066.7	-2206.8	155.6	-0.07	-0.05	-1.41
	115	-2167.4	2626.1	-155.6	0.07	-0.20	-2.57
11	144	-540.2	-1855.5	-13.8	-0.06	0.05	-1.32
	115	439.5	2274.8	13.8	0.06	-0.03	-2.08
12	144	1585.6	-1917.2	123.8	-0.07	-0.05	-1.26
	115	-1686.2	2336.5	-123.8	0.07	-0.15	-2.24
13	144	-817.5	-3747.6	-93.7	-0.13	0.05	-2.62
	115	716.8	4166.9	93.7	0.13	0.11	-3.90
14	144	1308.3	-3809.3	44.0	-0.13	-0.06	-2.56
	115	-1408.9	4228.6	-44.0	0.13	-0.01	-4.06
15	144	-539.9	-1849.6	-36.7	-0.06	0.05	-1.32
	115	439.3	2268.9	36.7	0.06	0.01	-2.07
16	144	1585.9	-1911.3	101.0	-0.07	-0.05	-1.26
	115	-1686.5	2330.7	-101.0	0.07	-0.11	-2.23
17	144	-275.2	-430.6	23.2	-0.02	0.05	-0.34
	115	174.5	849.9	-23.2	0.02	-0.09	-0.71
18	144	1850.6	-492.3	160.8	-0.02	-0.05	-0.28
	115	-1951.2	911.6	-160.8	0.02	-0.21	-0.87
19	144	-1248.8	-1833.6	-64.8	-0.06	0.08	-1.34
	115	1148.2	2253.0	64.8	0.06	0.02	-2.03
20	144	2294.1	-1936.5	164.6	-0.07	-0.09	-1.24
	115	-2394.8	2355.8	-164.6	0.07	-0.18	-2.29
21	144	-1415.2	-2968.9	-112.7	-0.10	0.08	-2.12
	115	1314.6	3388.2	112.7	0.10	0.10	-3.12
22	144	2127.8	-3071.8	116.7	-0.11	-0.09	-2.02
	115	-2228.4	3491.1	-116.7	0.11	-0.10	-3.38
23	144	-1248.7	-1830.1	-78.5	-0.06	0.08	-1.34

	115	1148.0	2249.5	78.5	0.06	0.05	-2.02
24	144	2294.3	-1933.0	150.9	-0.07	-0.09	-1.24
	115	-2395.0	2352.3	-150.9	0.07	-0.16	-2.28
25	144	-1089.8	-978.7	-42.6	-0.03	0.08	-0.75
	115	989.2	1398.1	42.6	0.03	-0.01	-1.21
26	144	2453.2	-1081.6	186.8	-0.04	-0.09	-0.65
	115	-2553.8	1500.9	-186.8	0.04	-0.22	-1.47
27	144	801.0	-1991.5	41.1	-0.07	-0.03	-1.36
	115	-878.4	2314.0	-41.1	0.07	-0.03	-2.20
28	144	583.7	-2013.7	-24.5	-0.07	-0.06	-1.41
	115	-661.1	2336.3	24.5	0.07	0.08	-2.17
29	144	967.6	-1990.5	139.8	-0.07	0.03	-1.29
	115	-1045.0	2313.1	-139.8	0.07	-0.23	-2.27
30	144	530.9	-2048.9	49.7	-0.07	0.01	-1.37
	115	-608.3	2371.5	-49.7	0.07	-0.09	-2.26
31	144	552.6	-2062.8	104.7	-0.07	0.05	-1.34
	115	-630.0	2385.3	-104.7	0.07	-0.21	-2.32
32	144	335.2	-2085.0	39.2	-0.07	0.02	-1.39
	115	-412.6	2407.6	-39.2	0.07	-0.09	-2.29
33	144	243.2	-2064.6	-78.6	-0.07	-0.06	-1.47
	115	-320.6	2387.2	78.6	0.07	0.16	-2.18
34	144	168.6	-2086.0	-59.6	-0.07	-0.03	-1.46
	115	-246.0	2408.5	59.6	0.07	0.11	-2.21
35	144	353.3	-1274.4	30.4	-0.04	-0.00	-0.88
	115	-430.8	1597.0	-30.4	0.04	-0.05	-1.48
36	144	138.6	-511.8	25.7	-0.02	-0.00	-0.39
	115	-216.0	834.4	-25.7	0.02	-0.04	-0.71
37	144	27.7	-1268.7	-6.2	-0.05	-0.00	-0.91
	115	-105.1	1591.2	6.2	0.05	0.01	-1.44
38	144	138.7	-509.5	16.6	-0.02	-0.00	-0.40
	115	-216.1	832.0	-16.6	0.02	-0.03	-0.71
39	144	244.6	58.1	40.5	0.00	-0.00	-0.00
	115	-322.0	264.4	-40.5	-0.00	-0.07	-0.17
40	144	-570.0	-490.0	-25.2	-0.02	0.03	-0.41
	115	492.6	812.6	25.2	0.02	0.01	-0.66
41	144	847.1	-531.1	66.5	-0.02	-0.04	-0.38
	115	-924.6	853.7	-66.5	0.02	-0.07	-0.76
42	144	568.1	-2038.2	40.1	-0.07	-0.00	-1.38
	115	-645.5	2360.8	-40.1	0.07	-0.06	-2.24
43	144	797.1	-1991.3	39.3	-0.07	-0.03	-1.36
	115	-874.5	2313.8	-39.3	0.07	-0.03	-2.19
44	144	596.2	-2011.6	-21.7	-0.07	-0.06	-1.41
	115	-673.6	2334.1	21.7	0.07	0.08	-2.17
45	144	941.6	-1993.4	132.4	-0.07	0.03	-1.30
	115	-1019.0	2315.9	-132.4	0.07	-0.22	-2.27
46	144	864.5	-2015.4	151.2	-0.07	0.06	-1.29
	115	-941.9	2338.0	-151.2	0.07	-0.28	-2.31
47	144	540.1	-2064.9	101.9	-0.07	0.05	-1.34
	115	-617.5	2387.5	-101.9	0.07	-0.21	-2.32
48	144	339.1	-2085.2	40.9	-0.07	0.03	-1.39
	115	-416.5	2407.8	-40.9	0.07	-0.10	-2.29
49	144	271.8	-2061.0	-71.0	-0.07	-0.06	-1.46
	115	-349.2	2383.6	71.0	0.07	0.15	-2.18
50	144	194.6	-2083.1	-52.2	-0.07	-0.04	-1.45
	115	-272.1	2405.7	52.2	0.07	0.10	-2.22
51	144	323.7	-472.4	20.2	-0.02	-0.02	-0.38

	115	-401.1	795.0	-20.2	0.02	-0.01	-0.67
52	144	160.4	-488.9	-29.3	-0.02	-0.05	-0.42
	115	-237.8	811.5	29.3	0.02	0.09	-0.65
53	144	441.8	-474.1	95.6	-0.02	0.02	-0.33
	115	-519.2	796.6	-95.6	0.02	-0.16	-0.73
54	144	379.7	-492.0	110.7	-0.02	0.05	-0.33
	115	-457.1	814.6	-110.7	0.02	-0.21	-0.76
55	144	116.7	-532.2	70.6	-0.02	0.04	-0.37
	115	-194.1	854.8	-70.6	0.02	-0.15	-0.77
56	144	-46.6	-548.7	21.0	-0.02	0.02	-0.41
	115	-30.8	871.3	-21.0	0.02	-0.06	-0.75
57	144	-102.6	-529.1	-69.5	-0.02	-0.05	-0.46
	115	25.2	851.7	69.5	0.02	0.14	-0.66
58	144	-164.7	-547.1	-54.4	-0.02	-0.03	-0.46
	115	87.2	869.6	54.4	0.02	0.10	-0.69
1	117	-225.2	1271.1	3.7	-0.00	-0.01	1.22
	80	85.3	-688.0	-3.7	0.00	-0.00	1.02
2	117	-681.4	3795.6	4.4	-0.00	-0.01	4.07
	80	541.4	-3212.5	-4.4	0.00	-0.00	3.94
3	117	-10871.1	3777.6	67.2	-0.00	-0.08	4.10
	80	10731.2	-3194.5	-67.2	0.00	-0.07	3.87
4	117	-10886.0	5144.2	34.6	-0.00	-0.02	5.71
	80	10746.1	-4561.0	-34.6	0.00	-0.06	5.39
5	117	-10846.1	3778.6	57.8	-0.00	-0.07	4.11
	80	10706.1	-3195.4	-57.8	0.00	-0.07	3.87
6	117	-10727.1	2749.3	81.1	-0.00	-0.11	2.89
	80	10587.2	-2166.1	-81.1	0.00	-0.07	2.73
7	117	9481.7	3812.6	-47.9	-0.00	0.05	4.04
	80	-9621.6	-3229.4	47.9	0.00	0.06	4.01
8	117	9466.8	5179.1	-80.4	-0.00	0.11	5.65
	80	-9606.7	-4596.0	80.4	0.00	0.07	5.53
9	117	9506.7	3813.5	-57.3	-0.00	0.06	4.04
	80	-9646.7	-3230.4	57.3	0.00	0.07	4.02
10	117	9625.6	2784.2	-34.0	-0.00	0.02	2.83
	80	-9765.6	-2201.1	34.0	0.00	0.06	2.88
11	117	-10651.9	2515.0	70.3	-0.00	-0.09	2.68
	80	10512.0	-1931.9	-70.3	0.00	-0.07	2.41
12	117	9700.8	2550.0	-44.7	-0.00	0.04	2.61
	80	-9840.8	-1966.8	44.7	0.00	0.06	2.55
13	117	-10676.8	4792.6	16.1	-0.00	0.02	5.36
	80	10536.8	-4209.4	-16.1	0.00	-0.06	4.94
14	117	9676.0	4827.5	-98.9	-0.00	0.15	5.30
	80	-9816.0	-4244.4	98.9	0.00	0.07	5.08
15	117	-10610.2	2516.6	54.6	-0.00	-0.06	2.68
	80	10470.2	-1933.5	-54.6	0.00	-0.06	2.41
16	117	9742.6	2551.5	-60.4	-0.00	0.07	2.62
	80	-9882.6	-1968.4	60.4	0.00	0.07	2.55
17	117	-10412.0	801.1	93.5	-0.00	-0.14	0.65
	80	10272.0	-218.0	-93.5	0.00	-0.07	0.51
18	117	9940.8	836.0	-21.5	-0.00	-0.01	0.59
	80	-10080.7	-252.9	21.5	0.00	0.06	0.66
19	117	-17427.3	2503.7	105.2	-0.00	-0.13	2.70
	80	17287.3	-1920.6	-105.2	0.00	-0.11	2.36
20	117	16494.0	2562.0	-86.6	-0.00	0.09	2.59
	80	-16633.9	-1978.8	86.6	0.00	0.11	2.60

	117	-17442.2	3870.2	72.6	-0.00	-0.06	4.31
	80	17302.2	-3287.1	-72.6	0.00	-0.11	3.88
22	117	16479.1	3928.5	-119.1	-0.00	0.16	4.20
	80	-16619.1	-3345.4	119.1	0.00	0.11	4.12
23	117	-17402.2	2504.7	95.7	-0.00	-0.11	2.70
	80	17262.3	-1921.5	-95.7	0.00	-0.11	2.36
24	117	16519.1	2562.9	-96.0	-0.00	0.11	2.60
	80	-16659.0	-1979.8	96.0	0.00	0.11	2.60
25	117	-17283.3	1475.4	119.1	-0.00	-0.16	1.48
	80	17143.4	-892.2	-119.1	0.00	-0.12	1.23
26	117	16638.0	1533.6	-72.7	-0.00	0.06	1.38
	80	-16777.9	-950.5	72.7	0.00	0.11	1.46
27	117	-50.1	2563.6	-30.0	-0.00	0.08	2.71
	80	-57.5	-2115.0	30.0	0.00	0.06	2.63
28	117	-196.8	2657.1	-60.8	-0.00	0.01	2.87
	80	89.1	-2208.5	60.8	0.00	0.08	2.69
29	117	-116.1	2447.0	39.7	0.00	0.12	2.51
	80	8.5	-1998.4	-39.7	-0.00	-0.02	2.57
30	117	-563.7	2596.3	17.4	-0.00	-0.02	2.76
	80	456.0	-2147.8	-17.4	0.00	-0.02	2.67
31	117	-727.5	2542.0	66.6	0.00	-0.02	2.67
	80	619.8	-2093.5	-66.6	-0.00	-0.08	2.65
32	117	-874.1	2635.5	35.9	-0.00	-0.09	2.83
	80	766.4	-2187.0	-35.9	0.00	-0.06	2.70
33	117	-604.9	2758.6	-62.9	-0.00	-0.10	3.04
	80	497.2	-2310.1	62.9	0.00	0.05	2.76
34	117	-808.1	2752.2	-33.9	-0.00	-0.13	3.03
	80	700.4	-2303.6	33.9	0.00	0.01	2.76
35	117	-310.0	1758.1	2.7	-0.00	-0.01	1.82
	80	202.4	-1309.5	-2.7	0.00	-0.00	1.69
36	117	-166.9	916.2	5.9	-0.00	-0.01	0.87
	80	59.2	-467.6	-5.9	0.00	-0.00	0.72
37	117	-176.8	1827.2	-15.7	-0.00	0.03	1.94
	80	69.2	-1378.7	15.7	0.00	0.00	1.73
38	117	-150.2	916.8	-0.3	-0.00	0.00	0.87
	80	42.5	-468.3	0.3	0.00	0.00	0.72
39	117	-70.9	230.6	15.2	-0.00	-0.03	0.06
	80	-36.7	217.9	-15.2	0.00	-0.00	-0.04
40	117	-6942.2	904.9	40.8	-0.00	-0.05	0.89
	80	6834.6	-456.3	-40.8	0.00	-0.05	0.67
41	117	6626.3	928.2	-35.9	-0.00	0.04	0.85
	80	-6733.9	-479.6	35.9	0.00	0.04	0.76
42	117	-462.1	2599.6	2.9	-0.00	-0.01	2.77
	80	354.4	-2151.0	-2.9	0.00	-0.00	2.67
43	117	-38.5	2567.0	-32.7	-0.00	0.08	2.72
	80	-69.1	-2118.5	32.7	0.00	0.06	2.63
44	117	-182.6	2651.8	-60.9	-0.00	0.01	2.86
	80	74.9	-2203.3	60.9	0.00	0.08	2.68
45	117	-116.6	2461.2	35.0	0.00	0.12	2.54
	80	8.9	-2012.6	-35.0	-0.00	-0.02	2.58
46	117	-327.5	2455.2	64.8	0.00	0.09	2.52
	80	219.8	-2006.7	-64.8	-0.00	-0.06	2.58
47	117	-741.6	2547.3	66.7	0.00	-0.02	2.68
	80	634.0	-2098.7	-66.7	-0.00	-0.08	2.65
48	117	-885.7	2632.1	38.5	-0.00	-0.09	2.82
	80	778.0	-2183.5	-38.5	0.00	-0.06	2.70

	117	-596.7	2743.9	-59.0	-0.00	-0.10	3.01
	80	489.0	-2295.3	59.0	0.00	0.06	2.75
50	117	-807.6	2738.0	-29.2	-0.00	-0.13	3.00
	80	700.0	-2289.4	29.2	0.00	0.01	2.75
51	117	184.7	890.0	-26.6	-0.00	0.06	0.82
	80	-292.3	-441.5	26.6	0.00	0.05	0.69
52	117	68.7	959.1	-49.6	-0.00	0.01	0.94
	80	-176.3	-510.5	49.6	0.00	0.07	0.73
53	117	120.7	803.9	28.6	0.00	0.09	0.68
	80	-228.3	-355.3	-28.6	-0.00	-0.01	0.65
54	117	-50.1	799.1	52.9	0.00	0.07	0.67
	80	-57.6	-350.5	-52.9	-0.00	-0.05	0.65
55	117	-384.7	874.0	54.5	0.00	-0.02	0.79
	80	277.0	-425.4	-54.5	-0.00	-0.07	0.70
56	117	-500.6	943.0	31.5	-0.00	-0.07	0.91
	80	393.0	-494.5	-31.5	0.00	-0.05	0.74
57	117	-265.9	1034.0	-48.0	-0.00	-0.08	1.07
	80	158.2	-585.5	48.0	0.00	0.04	0.78
58	117	-436.7	1029.2	-23.7	-0.00	-0.10	1.06
	80	329.0	-580.7	23.7	0.00	0.01	0.79
1	116	-1789.6	8376.6	252.0	-0.05	-0.53	6.58
	79	54.1	-1145.4	-252.0	0.05	-0.05	4.31
2	116	-2087.2	10790.7	454.7	-0.16	-0.98	8.99
	79	351.7	-3559.4	-454.7	0.16	-0.06	7.42
3	116	12256.7	10060.1	2103.0	-0.28	-3.19	9.04
	79	-13992.2	-2828.9	-2103.0	0.28	-1.62	5.71
4	116	13875.2	13979.3	1669.8	-0.37	-2.24	15.53
	79	-15610.7	-6748.1	-1669.8	0.37	-1.59	8.18
5	116	12277.4	10025.4	1933.1	-0.34	-2.86	8.97
	79	-14012.9	-2794.2	-1933.1	0.34	-1.56	5.70
6	116	14595.3	7038.6	2243.9	-0.27	-3.54	3.99
	79	-16330.8	192.7	-2243.9	0.27	-1.59	3.85
7	116	-16452.7	11559.0	-1002.1	0.03	0.86	9.02
	79	14717.2	-4327.7	1002.1	-0.03	1.44	9.15
8	116	-14834.2	15478.2	-1435.3	-0.06	1.81	15.51
	79	13098.7	-8247.0	1435.3	0.06	1.47	11.63
9	116	-16432.0	11524.3	-1172.1	-0.03	1.18	8.95
	79	14696.5	-4293.1	1172.1	0.03	1.50	9.14
10	116	-14114.1	8537.5	-861.2	0.04	0.51	3.97
	79	12378.6	-1306.2	861.2	-0.04	1.46	7.29
11	116	12398.3	8865.7	2065.4	-0.21	-3.09	7.86
	79	-14133.8	-1634.4	-2065.4	0.21	-1.64	4.15
12	116	-16311.1	10364.6	-1039.7	0.10	0.96	7.84
	79	14575.6	-3133.3	1039.7	-0.10	1.42	7.60
13	116	15095.8	15397.7	1343.4	-0.35	-1.50	18.68
	79	-16831.3	-8166.5	-1343.4	0.35	-1.58	8.28
14	116	-13613.6	16896.6	-1761.7	-0.04	2.55	18.66
	79	11878.1	-9665.4	1761.7	0.04	1.48	11.73
15	116	12432.7	8807.9	1782.2	-0.30	-2.54	7.74
	79	-14168.2	-1576.7	-1782.2	0.30	-1.53	4.14
16	116	-16276.7	10306.8	-1323.0	0.01	1.50	7.73
	79	14541.2	-3075.6	1323.0	-0.01	1.52	7.58
17	116	16295.9	3829.8	2300.3	-0.19	-3.67	-0.56
	79	-18031.4	3401.4	-2300.3	0.19	-1.59	1.05
18	116	-12413.4	5328.7	-804.9	0.12	0.38	-0.58

	79	10677.9	1902.5	804.9	-0.12	1.47	4.50
19	116	21975.3	8353.5	3036.7	-0.33	-4.31	7.84
	79	-23710.8	-1122.2	-3036.7	0.33	-2.63	3.00
20	116	-25873.7	10851.6	-2138.6	0.18	2.43	7.81
	79	24138.2	-3620.4	2138.6	-0.18	2.46	8.74
21	116	23593.8	12272.7	2603.5	-0.42	-3.36	14.33
	79	-25329.3	-5041.4	-2603.5	0.42	-2.60	5.48
22	116	-24255.2	14770.8	-2571.8	0.10	3.39	14.30
	79	22519.7	-7539.6	2571.8	-0.10	2.50	11.22
23	116	21995.9	8318.8	2866.7	-0.39	-3.99	7.77
	79	-23731.4	-1087.6	-2866.7	0.39	-2.57	2.99
24	116	-25853.0	10816.9	-2308.6	0.13	2.76	7.74
	79	24117.5	-3585.7	2308.6	-0.13	2.52	8.74
25	116	24313.9	5332.0	3177.6	-0.32	-4.66	2.79
	79	-26049.4	1899.3	-3177.6	0.32	-2.61	1.14
26	116	-23535.1	7830.1	-1997.7	0.20	2.08	2.76
	79	21799.6	-598.8	1997.7	-0.20	2.49	6.89
27	116	-387.3	6476.3	-927.0	-0.28	1.14	3.70
	79	-947.7	-913.8	927.0	0.28	1.30	4.75
28	116	-1849.5	8681.0	-202.2	-0.19	-0.62	7.89
	79	514.5	-3118.5	202.2	0.19	1.71	5.61
29	116	1125.6	4155.2	-1154.2	-0.30	2.54	-0.70
	79	-2460.6	1407.3	1154.2	0.30	-0.26	3.85
30	116	-1476.9	8044.9	583.6	-0.07	-0.97	6.68
	79	141.9	-2482.4	-583.6	0.07	-0.51	5.36
31	116	-938.7	7193.6	839.5	-0.03	-0.74	5.07
	79	-396.3	-1631.1	-839.5	0.03	-1.80	5.03
32	116	-2401.0	9398.4	1564.2	0.06	-2.51	9.25
	79	1066.0	-3835.9	-1564.2	-0.06	-1.39	5.89
33	116	-3748.5	11504.3	1261.5	-0.00	-3.35	13.25
	79	2413.5	-5941.8	-1261.5	0.00	1.10	6.71
34	116	-3913.9	11719.5	1791.4	0.07	-3.91	13.66
	79	2578.9	-6157.0	-1791.4	-0.07	0.17	6.79
35	116	-1295.0	7132.7	251.0	-0.08	-0.53	5.67
	79	-40.0	-1570.2	-251.0	0.08	-0.04	4.28
36	116	-1203.0	6340.6	247.2	-0.02	-0.51	4.90
	79	-132.0	-778.1	-247.2	0.02	-0.06	3.25
37	116	-124.0	8953.4	-41.6	-0.08	0.13	9.22
	79	-1211.0	-3390.9	41.6	0.08	-0.04	4.90
38	116	-1189.2	6317.5	133.9	-0.06	-0.29	4.85
	79	-145.8	-755.0	-133.9	0.06	-0.02	3.24
39	116	356.1	4326.2	341.2	-0.01	-0.74	1.53
	79	-1691.1	1236.3	-341.2	0.01	-0.04	2.01
40	116	8374.0	5828.4	1218.5	-0.15	-1.73	4.88
	79	-9709.0	-265.9	-1218.5	0.15	-1.06	2.10
41	116	-10765.6	6827.6	-851.6	0.06	0.97	4.86
	79	9430.6	-1265.1	851.6	-0.06	0.98	4.39
42	116	-1394.1	7937.3	318.6	-0.11	-0.68	6.48
	79	59.1	-2374.8	-318.6	0.11	-0.04	5.32
43	116	-452.5	6578.0	-932.6	-0.28	1.13	3.90
	79	-882.5	-1015.5	932.6	0.28	1.35	4.79
44	116	-1783.7	8590.4	-237.2	-0.19	-0.59	7.72
	79	448.7	-3027.9	237.2	0.19	1.77	5.58
45	116	907.4	4477.4	-1111.5	-0.30	2.47	-0.09
	79	-2242.4	1085.1	1111.5	0.30	-0.27	3.97
46	116	741.8	4689.3	-569.4	-0.22	1.90	0.31

	79	-2076.8	873.2	569.4	0.22	-1.23	4.05
47	116	-1004.5	7284.3	874.4	-0.03	-0.78	5.24
	79	-330.5	-1721.8	-874.4	0.03	-1.86	5.06
48	116	-2335.8	9296.7	1569.9	0.06	-2.50	9.06
	79	1000.8	-3734.2	-1569.9	-0.06	-1.44	5.85
49	116	-3530.1	11185.4	1206.6	0.00	-3.27	12.64
	79	2195.1	-5622.9	-1206.6	-0.00	1.14	6.59
50	116	-3695.7	11397.3	1748.7	0.08	-3.84	13.05
	79	2360.7	-5834.8	-1748.7	-0.08	0.18	6.67
51	116	-428.7	5219.8	-839.0	-0.18	1.09	2.76
	79	-906.3	342.7	839.0	0.18	1.10	2.82
52	116	-1512.9	6858.3	-273.4	-0.11	-0.30	5.88
	79	177.9	-1295.8	273.4	0.11	1.44	3.45
53	116	678.6	3510.5	-981.1	-0.20	2.17	-0.48
	79	-2013.6	2052.0	981.1	0.20	-0.21	2.15
54	116	543.6	3683.9	-537.3	-0.13	1.71	-0.15
	79	-1878.6	1878.6	537.3	0.13	-0.99	2.21
55	116	-878.7	5797.7	640.3	0.02	-0.46	3.87
	79	-456.3	-235.2	-640.3	-0.02	-1.51	3.04
56	116	-1962.8	7436.2	1205.8	0.10	-1.86	6.98
	79	627.8	-1873.7	-1205.8	-0.10	-1.17	3.67
57	116	-2935.2	8972.1	904.2	0.05	-2.47	9.89
	79	1600.2	-3409.6	-904.2	-0.05	0.92	4.28
58	116	-3070.2	9145.5	1347.9	0.11	-2.94	10.22
	79	1735.2	-3583.0	-1347.9	-0.11	0.14	4.34
1	115	-275.7	1205.1	20.3	-0.00	-0.04	1.13
	78	135.7	-622.0	-20.3	0.00	-0.00	0.96
2	115	-741.6	3504.9	39.4	-0.01	-0.09	3.72
	78	601.6	-2921.7	-39.4	0.01	-0.00	3.63
3	115	-6852.0	3484.4	122.6	-0.00	-0.20	3.74
	78	6712.1	-2901.3	-122.6	0.00	-0.08	3.57
4	115	-6671.9	4739.3	94.9	-0.01	-0.14	5.21
	78	6531.9	-4156.2	-94.9	0.01	-0.07	4.96
5	115	-6742.0	3482.0	112.5	-0.00	-0.18	3.73
	78	6602.1	-2898.9	-112.5	0.00	-0.08	3.57
6	115	-6792.7	2539.9	132.5	-0.00	-0.22	2.62
	78	6652.8	-1956.8	-132.5	0.00	-0.08	2.52
7	115	5248.9	3527.9	-32.6	-0.01	0.01	3.71
	78	-5388.8	-2944.8	32.6	0.01	0.07	3.69
8	115	5429.0	4782.9	-60.3	-0.01	0.07	5.19
	78	-5569.0	-4199.7	60.3	0.01	0.07	5.09
9	115	5358.8	3525.6	-42.7	-0.01	0.03	3.71
	78	-5498.8	-2942.4	42.7	0.01	0.07	3.69
10	115	5308.2	2583.5	-22.8	-0.01	-0.01	2.60
	78	-5448.1	-2000.4	22.8	0.01	0.07	2.65
11	115	-6659.1	2335.4	116.9	-0.00	-0.19	2.45
	78	6519.1	-1752.2	-116.9	0.00	-0.08	2.23
12	115	5441.8	2378.9	-38.3	-0.01	0.02	2.42
	78	-5581.8	-1795.8	38.3	0.01	0.07	2.36
13	115	-6358.8	4426.9	70.7	-0.01	-0.09	4.90
	78	6218.9	-3843.8	-70.7	0.01	-0.07	4.56
14	115	5742.1	4470.5	-84.5	-0.01	0.12	4.88
	78	-5882.0	-3887.4	84.5	0.01	0.07	4.69
15	115	-6475.8	2331.4	100.0	-0.00	-0.15	2.44
	78	6335.8	-1748.3	-100.0	0.00	-0.07	2.23

	115	5625.1	2375.0	-55.2	-0.01	0.05	2.41
	78	-5765.1	-1791.8	55.2	0.01	0.07	2.36
17	115	-6560.2	761.3	133.2	0.00	-0.23	0.59
	78	6420.3	-178.2	-133.2	-0.00	-0.08	0.49
18	115	5540.7	804.8	-22.0	-0.00	-0.02	0.56
	78	-5680.6	-221.7	22.0	0.00	0.07	0.61
19	115	-10652.7	2320.0	164.8	-0.00	-0.25	2.45
	78	10512.8	-1736.9	-164.8	0.00	-0.13	2.19
20	115	9515.4	2392.6	-93.8	-0.01	0.10	2.41
	78	-9655.4	-1809.5	93.8	0.01	0.12	2.40
21	115	-10472.6	3574.9	137.1	-0.00	-0.19	3.93
	78	10332.6	-2991.8	-137.1	0.00	-0.12	3.59
22	115	9695.6	3647.5	-121.6	-0.01	0.16	3.88
	78	-9835.5	-3064.4	121.6	0.01	0.12	3.80
23	115	-10542.7	2317.6	154.7	-0.00	-0.23	2.45
	78	10402.8	-1734.5	-154.7	0.00	-0.12	2.19
24	115	9625.4	2390.2	-104.0	-0.01	0.12	2.40
	78	-9765.4	-1807.1	104.0	0.01	0.12	2.40
25	115	-10593.4	1375.5	174.7	0.00	-0.27	1.34
	78	10453.4	-792.4	-174.7	-0.00	-0.13	1.14
26	115	9574.7	1448.1	-84.0	-0.01	0.08	1.29
	78	-9714.7	-865.0	84.0	0.01	0.12	1.35
27	115	212.2	2323.9	1.7	-0.00	-0.06	2.40
	78	-319.9	-1875.3	-1.7	0.00	0.05	2.40
28	115	633.7	2427.7	-35.5	-0.00	0.03	2.56
	78	-741.4	-1979.1	35.5	0.00	0.07	2.48
29	115	-931.5	2222.2	76.3	-0.00	-0.18	2.25
	78	823.8	-1773.6	-76.3	0.00	-0.02	2.33
30	115	-787.8	2411.9	41.1	-0.00	-0.07	2.54
	78	680.2	-1963.3	-41.1	0.00	-0.02	2.46
31	115	-1650.5	2379.4	90.9	-0.00	-0.15	2.50
	78	1542.9	-1930.9	-90.9	0.00	-0.08	2.44
32	115	-1229.0	2483.3	53.8	-0.01	-0.06	2.66
	78	1121.4	-2034.7	-53.8	0.01	-0.06	2.51
33	115	473.5	2568.3	-47.6	-0.01	0.09	2.79
	78	-581.2	-2119.7	47.6	0.01	0.05	2.58
34	115	-85.3	2584.9	-20.8	-0.01	0.06	2.81
	78	-22.4	-2136.4	20.8	0.01	0.01	2.59
35	115	-353.1	1637.0	21.4	-0.00	-0.05	1.67
	78	245.4	-1188.4	-21.4	0.00	-0.00	1.57
36	115	-237.8	871.3	18.8	-0.00	-0.04	0.81
	78	130.1	-422.7	-18.8	0.00	-0.00	0.67
37	115	-117.7	1707.9	0.3	-0.00	-0.00	1.79
	78	10.0	-1259.3	-0.3	0.00	-0.00	1.61
38	115	-164.5	869.7	12.0	-0.00	-0.03	0.80
	78	56.8	-421.1	-12.0	0.00	-0.00	0.68
39	115	-198.2	241.6	25.3	0.00	-0.05	0.06
	78	90.6	206.9	-25.3	-0.00	-0.00	-0.02
40	115	-4231.4	855.9	66.8	0.00	-0.10	0.81
	78	4123.8	-407.3	-66.8	-0.00	-0.05	0.63
41	115	3835.8	884.9	-36.7	-0.00	0.04	0.79
	78	-3943.5	-436.4	36.7	0.00	0.05	0.72
42	115	-508.4	2403.6	27.7	-0.00	-0.06	2.53
	78	400.7	-1955.0	-27.7	0.00	-0.00	2.46
43	115	244.6	2327.8	-1.1	-0.00	-0.05	2.41
	78	-352.3	-1879.2	1.1	0.00	0.05	2.41

	115	672.1	2423.1	-35.1	-0.00	0.02	2.56
	78	-779.7	-1974.5	35.1	0.00	0.07	2.47
45	115	-930.7	2236.3	70.6	-0.00	-0.17	2.27
	78	823.1	-1787.7	-70.6	0.00	-0.02	2.34
46	115	-1510.8	2253.1	98.1	-0.00	-0.20	2.30
	78	1403.1	-1804.6	-98.1	0.00	-0.06	2.35
47	115	-1688.8	2384.0	90.6	-0.00	-0.14	2.50
	78	1581.2	-1935.5	-90.6	0.00	-0.08	2.44
48	115	-1261.4	2479.3	56.6	-0.01	-0.07	2.65
	78	1153.8	-2030.8	-56.6	0.01	-0.06	2.51
49	115	494.0	2554.0	-42.7	-0.01	0.08	2.76
	78	-601.6	-2105.4	42.7	0.01	0.05	2.57
50	115	-86.0	2570.9	-15.2	-0.01	0.05	2.79
	78	-21.6	-2122.3	15.2	0.01	0.01	2.58
51	115	412.9	808.6	-8.5	0.00	-0.03	0.70
	78	-520.5	-360.0	8.5	-0.00	0.04	0.63
52	115	754.5	886.2	-36.2	-0.00	0.04	0.83
	78	-862.2	-437.6	36.2	0.00	0.06	0.69
53	115	-532.8	734.2	49.9	0.00	-0.12	0.59
	78	425.1	-285.6	-49.9	-0.00	-0.01	0.58
54	115	-1001.7	748.0	72.3	0.00	-0.15	0.61
	78	894.0	-299.4	-72.3	-0.00	-0.04	0.59
55	115	-1150.1	854.6	66.2	-0.00	-0.10	0.78
	78	1042.5	-406.1	-66.2	0.00	-0.06	0.66
56	115	-808.5	932.2	38.5	-0.00	-0.04	0.90
	78	700.8	-483.7	-38.5	0.00	-0.05	0.72
57	115	606.1	992.8	-42.3	-0.00	0.08	0.99
	78	-713.7	-544.3	42.3	0.00	0.04	0.76
58	115	137.2	1006.6	-19.9	-0.00	0.06	1.02
	78	-244.9	-558.1	19.9	0.00	0.01	0.77
1	50	-189.1	788.1	-10.8	-0.00	0.01	0.84
	30	105.8	-440.8	10.8	0.00	-0.00	0.00
2	50	-498.0	2075.2	1.6	-0.00	-0.00	2.58
	30	414.7	-1728.0	-1.6	0.00	-0.00	0.01
3	50	-498.0	2075.2	209.0	-0.00	-0.28	2.58
	30	414.7	-1728.0	-209.0	0.00	-0.00	0.01
4	50	-498.0	2728.6	227.5	-0.00	-0.31	3.47
	30	414.7	-2381.4	-227.5	-0.00	-0.00	0.01
5	50	-498.0	2075.2	176.9	-0.00	-0.24	2.58
	30	414.7	-1728.0	-176.9	-0.00	-0.00	0.01
6	50	-498.0	1585.2	167.5	-0.00	-0.23	1.91
	30	414.7	-1237.9	-167.5	0.00	-0.00	0.01
7	50	-498.0	2075.2	-169.4	0.00	0.23	2.58
	30	414.7	-1728.0	169.4	0.00	0.00	0.01
8	50	-498.0	2728.6	-150.9	0.00	0.21	3.47
	30	414.7	-2381.4	150.9	0.00	0.00	0.01
9	50	-498.0	2075.2	-201.5	0.00	0.27	2.58
	30	414.7	-1728.0	201.5	0.00	0.00	0.01
10	50	-498.0	1585.2	-210.9	0.00	0.29	1.92
	30	414.7	-1237.9	210.9	0.00	0.00	0.01
11	50	-343.6	1431.6	215.0	-0.00	-0.29	1.71
	30	260.3	-1084.4	-215.0	0.00	-0.00	0.01
12	50	-343.6	1431.6	-163.4	0.00	0.22	1.71
	30	260.3	-1084.4	163.4	0.00	0.00	0.00
13	50	-343.6	2520.7	245.9	-0.00	-0.34	3.19

	30	260.3	-2173.4	-245.9	-0.00	-0.00	0.01
14	50	-343.6	2520.7	-132.5	0.00	0.18	3.19
	30	260.3	-2173.4	132.5	0.00	0.00	0.00
15	50	-343.6	1431.6	161.4	-0.00	-0.22	1.71
	30	260.3	-1084.4	-161.4	-0.00	-0.00	0.01
16	50	-343.6	1431.6	-217.0	0.00	0.30	1.71
	30	260.3	-1084.4	217.0	0.00	0.00	0.00
17	50	-343.6	614.9	145.9	-0.00	-0.20	0.59
	30	260.3	-267.6	-145.9	0.00	-0.00	0.01
18	50	-343.6	614.9	-232.5	0.00	0.32	0.60
	30	260.3	-267.6	232.5	0.00	0.00	0.00
19	50	-343.6	1431.6	329.0	-0.00	-0.45	1.71
	30	260.3	-1084.4	-329.0	-0.00	-0.00	0.01
20	50	-343.6	1431.6	-301.7	0.00	0.41	1.71
	30	260.3	-1084.4	301.7	0.00	0.00	0.00
21	50	-343.6	2085.1	347.5	-0.00	-0.47	2.60
	30	260.3	-1737.8	-347.5	-0.00	-0.00	0.01
22	50	-343.6	2085.1	-283.2	0.00	0.39	2.60
	30	260.3	-1737.8	283.2	0.00	0.00	0.00
23	50	-343.6	1431.6	296.8	-0.00	-0.40	1.71
	30	260.3	-1084.4	-296.8	-0.00	-0.00	0.01
24	50	-343.6	1431.6	-333.8	0.00	0.45	1.71
	30	260.3	-1084.4	333.8	0.00	0.00	0.00
25	50	-343.6	941.6	287.5	-0.00	-0.39	1.04
	30	260.3	-594.3	-287.5	-0.00	-0.00	0.01
26	50	-343.6	941.6	-343.2	0.00	0.47	1.04
	30	260.3	-594.3	343.2	0.00	0.00	0.00
27	50	-359.3	1445.9	-28.3	-0.00	0.04	1.78
	30	295.2	-1178.7	28.3	0.00	0.00	0.01
28	50	-301.8	1430.6	-86.7	-0.00	0.12	1.76
	30	237.7	-1163.5	86.7	0.00	0.00	0.00
29	50	-435.9	1460.8	80.4	-0.00	-0.11	1.80
	30	371.8	-1193.7	-80.4	0.00	-0.00	0.01
30	50	-348.3	1432.9	17.7	-0.00	-0.02	1.76
	30	284.2	-1165.8	-17.7	-0.00	0.00	0.01
31	50	-386.6	1437.7	87.4	-0.00	-0.12	1.77
	30	322.5	-1170.5	-87.4	-0.00	0.00	0.01
32	50	-329.1	1422.4	28.9	0.00	-0.04	1.75
	30	264.9	-1155.3	-28.9	-0.00	0.00	0.01
33	50	-244.3	1409.9	-114.4	0.00	0.16	1.74
	30	180.2	-1142.8	114.4	-0.00	0.00	0.00
34	50	-252.4	1407.5	-79.7	0.00	0.11	1.73
	30	188.3	-1140.4	79.7	-0.00	0.00	0.00
35	50	-241.2	1005.1	-3.8	-0.00	0.01	1.18
	30	177.1	-738.0	3.8	0.00	-0.00	0.00
36	50	-138.3	576.0	4.3	-0.00	-0.01	0.60
	30	74.1	-308.9	-4.3	0.00	-0.00	0.00
37	50	-138.3	1011.7	16.6	0.00	-0.02	1.20
	30	74.1	-744.5	-16.6	0.00	-0.00	0.00
38	50	-138.3	576.0	-17.2	0.00	0.02	0.60
	30	74.1	-308.9	17.2	-0.00	0.00	0.00
39	50	-138.3	249.3	-23.4	-0.00	0.03	0.16
	30	74.1	17.8	23.4	0.00	-0.00	0.00
40	50	-138.3	576.0	118.2	-0.00	-0.16	0.60
	30	74.1	-308.9	-118.2	-0.00	-0.00	0.00
41	50	-138.3	576.0	-134.0	0.00	0.18	0.60

	30	74.1	-308.9	134.0	0.00	0.00	-0.00
42	50	-344.2	1434.1	0.3	-0.00	-0.00	1.77
	30	280.1	-1167.0	-0.3	0.00	-0.00	0.01
43	50	-357.4	1445.3	-29.3	-0.00	0.04	1.78
	30	293.3	-1178.1	29.3	0.00	0.00	0.01
44	50	-304.1	1431.1	-88.1	-0.00	0.12	1.76
	30	240.0	-1164.0	88.1	0.00	0.00	0.00
45	50	-429.0	1458.9	80.7	-0.00	-0.11	1.80
	30	364.9	-1191.8	-80.7	0.00	0.00	0.01
46	50	-437.0	1456.5	116.1	-0.00	-0.16	1.79
	30	372.9	-1189.4	-116.1	0.00	0.00	0.01
47	50	-384.3	1437.1	88.8	0.00	-0.12	1.77
	30	320.2	-1170.0	-88.8	-0.00	-0.00	0.01
48	50	-331.0	1423.0	30.0	0.00	-0.04	1.75
	30	266.9	-1155.9	-30.0	-0.00	-0.00	0.01
49	50	-251.4	1411.8	-115.5	0.00	0.16	1.74
	30	187.2	-1144.7	115.5	-0.00	0.00	0.00
50	50	-259.4	1409.3	-80.0	0.00	0.11	1.74
	30	195.3	-1142.2	80.0	-0.00	0.00	0.00
51	50	-170.9	585.1	-31.6	-0.00	0.04	0.61
	30	106.7	-318.0	31.6	-0.00	0.00	0.00
52	50	-127.5	573.6	-78.9	-0.00	0.11	0.60
	30	63.4	-306.5	78.9	-0.00	0.00	-0.00
53	50	-213.7	596.2	56.7	-0.00	-0.08	0.63
	30	149.6	-329.1	-56.7	0.00	-0.00	0.00
54	50	-207.2	594.2	85.1	-0.00	-0.12	0.62
	30	143.1	-327.1	-85.1	0.00	-0.00	0.00
55	50	-149.0	578.5	63.1	0.00	-0.09	0.60
	30	84.9	-311.4	-63.1	-0.00	-0.00	0.00
56	50	-105.7	567.0	15.8	0.00	-0.02	0.59
	30	41.5	-299.9	-15.8	-0.00	-0.00	0.00
57	50	-69.3	557.9	-100.9	0.00	0.14	0.58
	30	5.2	-290.8	100.9	-0.00	-0.00	-0.00
58	50	-62.8	555.9	-72.5	0.00	0.10	0.58
	30	-1.3	-288.8	72.5	-0.00	-0.00	-0.00
1	75	83.3	27.0	-395.9	-0.03	0.25	-4.28
	50	-1818.8	7204.3	395.9	0.03	0.65	-3.93
2	75	834.5	-2065.5	-629.9	0.04	0.39	-7.16
	50	-2570.0	9296.7	629.9	-0.04	1.05	-5.84
3	75	15148.6	-1909.8	-1382.0	0.07	0.86	-5.74
	50	-16884.1	9141.0	1382.0	-0.07	2.31	-6.90
4	75	17093.6	-93.7	-1030.8	0.12	0.82	-8.18
	50	-18829.1	7325.0	1030.8	-0.12	1.54	-0.31
5	75	15063.1	-1742.2	-1586.2	0.03	0.82	-5.81
	50	-16798.6	8973.4	1586.2	-0.03	2.81	-6.45
6	75	17105.0	-3078.7	-1791.1	-0.00	0.84	-4.01
	50	-18840.5	10309.9	1791.1	0.00	3.26	-11.30
7	75	-13385.8	-2410.0	351.9	0.05	-0.03	-8.51
	50	11650.3	9641.3	-351.9	-0.05	-0.77	-5.28
8	75	-11440.8	-594.0	703.0	0.10	-0.07	-10.95
	50	9705.3	7825.2	-703.0	-0.10	-1.54	1.31
9	75	-13471.3	-2242.5	147.6	0.01	-0.07	-8.58
	50	11735.8	9473.7	-147.6	-0.01	-0.26	-4.83
10	75	-11429.4	-3579.0	-57.2	-0.02	-0.05	-6.78
	50	9693.9	10810.2	57.2	0.02	0.18	-9.68

	75	14804.3	-926.5	-1188.4	0.05	0.80	-4.27
	50	-16539.8	8157.7	1188.4	-0.05	1.92	-6.12
12	75	-13730.2	-1426.8	545.4	0.03	-0.09	-7.04
	50	11994.7	8658.0	-545.4	-0.03	-1.16	-4.49
13	75	18046.0	2100.2	-603.2	0.13	0.74	-8.33
	50	-19781.5	5131.0	603.2	-0.13	0.64	4.87
14	75	-10488.4	1600.0	1130.6	0.11	-0.15	-11.11
	50	8752.9	5631.3	-1130.6	-0.11	-2.43	6.49
15	75	14661.9	-647.2	-1528.8	-0.01	0.74	-4.39
	50	-16397.4	7878.5	1528.8	0.01	2.76	-5.37
16	75	-13872.6	-1147.5	205.0	-0.03	-0.15	-7.16
	50	12137.1	8378.7	-205.0	0.03	-0.32	-3.74
17	75	18065.0	-2874.7	-1870.2	-0.07	0.78	-1.40
	50	-19800.5	10106.0	1870.2	0.07	3.50	-13.45
18	75	-10469.4	-3375.0	-136.4	-0.08	-0.11	-4.17
	50	8733.9	10606.2	136.4	0.08	0.43	-11.83
19	75	24284.5	-696.8	-1842.9	0.04	1.09	-3.37
	50	-26020.0	7928.0	1842.9	-0.04	3.13	-6.49
20	75	-23272.9	-1530.6	1046.8	0.01	-0.40	-7.99
	50	21537.4	8761.8	-1046.8	-0.01	-2.00	-3.78
21	75	26229.5	1119.3	-1491.8	0.09	1.05	-5.81
	50	-27965.0	6112.0	1491.8	-0.09	2.37	0.10
22	75	-21327.9	285.5	1397.9	0.06	-0.44	-10.43
	50	19592.4	6945.8	-1397.9	-0.06	-2.76	2.81
23	75	24199.0	-529.2	-2047.2	0.01	1.05	-3.44
	50	-25934.5	7760.5	2047.2	-0.01	3.64	-6.04
24	75	-23358.3	-1363.0	842.5	-0.03	-0.44	-8.06
	50	21622.8	8594.3	-842.5	0.03	-1.49	-3.33
25	75	26240.9	-1865.7	-2252.0	-0.03	1.07	-1.65
	50	-27976.4	9097.0	2252.0	0.03	4.08	-10.89
26	75	-21316.4	-2699.5	637.7	-0.06	-0.41	-6.27
	50	19580.9	9930.8	-637.7	0.06	-1.04	-8.18
27	75	1215.2	-1809.9	542.7	-0.18	-0.93	-4.95
	50	-2550.2	7372.4	-542.7	0.18	-0.32	-5.56
28	75	-1187.0	292.6	1274.5	-0.05	-1.37	-5.85
	50	-148.0	5269.9	-1274.5	0.05	-1.64	0.15
29	75	4527.3	-4711.1	-1261.4	-0.24	0.58	-3.72
	50	-5862.3	10273.6	1261.4	0.24	2.42	-13.42
30	75	960.2	-1591.1	-856.5	0.06	0.71	-5.07
	50	-2295.2	7153.6	856.5	-0.06	1.26	-4.94
31	75	2670.7	-3090.6	-2172.8	0.09	1.94	-4.44
	50	-4005.7	8653.1	2172.8	-0.09	3.13	-9.00
32	75	268.5	-988.0	-1441.1	0.23	1.50	-5.34
	50	-1603.5	6550.5	1441.1	-0.23	1.81	-3.28
33	75	-3480.2	2297.3	1177.8	0.20	-0.88	-6.72
	50	2145.2	3265.2	-1177.8	-0.20	-1.96	5.61
34	75	-3043.6	1913.1	363.1	0.29	-0.02	-6.57
	50	1708.6	3649.4	-363.1	-0.29	-0.93	4.58
35	75	491.5	-701.5	-371.1	0.00	0.24	-4.18
	50	-1826.5	6264.0	371.1	-0.00	0.61	-3.78
36	75	272.4	-67.0	-216.6	-0.01	0.21	-3.20
	50	-1607.4	5629.5	216.6	0.01	0.29	-3.32
37	75	1569.0	1143.7	17.5	0.02	0.18	-4.82
	50	-2904.0	4418.8	-17.5	-0.02	-0.22	1.08
38	75	215.4	44.7	-352.8	-0.03	0.18	-3.24
	50	-1550.4	5517.8	352.8	0.03	0.63	-3.02

	75	1576.7	-846.3	-489.3	-0.05	0.20	-2.05
	50	-2911.7	6408.8	489.3	0.05	0.92	-6.25
40	75	9752.6	162.7	-871.1	-0.01	0.49	-2.30
	50	-11087.6	5399.8	871.1	0.01	1.50	-3.69
41	75	-9270.4	-170.8	284.8	-0.03	-0.10	-4.15
	50	7935.4	5733.3	-284.8	0.03	-0.55	-2.61
42	75	741.9	-1399.0	-449.2	0.02	0.28	-5.14
	50	-2076.9	6961.5	449.2	-0.02	0.74	-4.42
43	75	1138.7	-1744.8	591.4	-0.18	-0.98	-4.98
	50	-2473.7	7307.3	-591.4	0.18	-0.38	-5.38
44	75	-1146.1	255.3	1327.1	-0.05	-1.43	-5.83
	50	-188.9	5307.2	-1327.1	0.05	-1.68	0.05
45	75	4326.2	-4536.2	-1252.9	-0.25	0.59	-3.80
	50	-5661.2	10098.7	1252.9	0.25	2.38	-12.94
46	75	4773.5	-4928.7	-2097.9	-0.17	1.49	-3.65
	50	-6108.5	10491.2	2097.9	0.17	3.44	-13.99
47	75	2629.9	-3053.3	-2225.4	0.09	2.00	-4.46
	50	-3964.9	8615.8	2225.4	-0.09	3.17	-8.89
48	75	345.1	-1053.2	-1489.7	0.23	1.55	-5.31
	50	-1680.1	6615.7	1489.7	-0.23	1.87	-3.46
49	75	-3289.8	2130.7	1199.6	0.21	-0.92	-6.64
	50	1954.8	3431.8	-1199.6	-0.21	-1.95	5.15
50	75	-2842.5	1738.2	354.6	0.29	-0.03	-6.49
	50	1507.5	3824.3	-354.6	-0.29	-0.89	4.10
51	75	567.3	-285.6	549.6	-0.19	-0.83	-3.09
	50	-1902.3	5848.1	-549.6	0.19	-0.43	-3.93
52	75	-1286.2	1337.6	1138.7	-0.08	-1.20	-3.78
	50	-48.8	4224.9	-1138.7	0.08	-1.47	0.48
53	75	3150.2	-2550.3	-933.8	-0.24	0.44	-2.13
	50	-4485.2	8112.8	933.8	0.24	1.79	-10.06
54	75	3510.5	-2868.3	-1616.2	-0.17	1.16	-2.01
	50	-4845.5	8430.8	1616.2	0.17	2.65	-10.92
55	75	1768.4	-1345.7	-1725.0	0.04	1.58	-2.67
	50	-3103.4	6908.2	1725.0	-0.04	2.43	-6.77
56	75	-85.1	277.5	-1135.9	0.15	1.22	-3.36
	50	-1249.9	5285.0	1135.9	-0.15	1.39	-2.37
57	75	-3028.3	2860.2	1029.9	0.13	-0.78	-4.44
	50	1693.3	2702.3	-1029.9	-0.13	-1.69	4.62
58	75	-2668.0	2542.2	347.5	0.20	-0.05	-4.31
	50	1333.0	3020.3	-347.5	-0.20	-0.83	3.77
1	141	254.4	-1781.7	-545.0	-0.65	0.07	-2.22
	112	-1502.4	6981.7	545.0	0.65	0.82	-4.99
2	141	636.6	-3666.2	-941.3	-1.27	0.18	-3.79
	112	-1884.6	8866.2	941.3	1.27	1.37	-6.52
3	141	2396.3	-1375.7	-2494.7	-1.32	0.07	-4.23
	112	-3644.3	6575.7	2494.7	1.32	4.03	-2.32
4	141	1794.9	-279.2	-2122.7	-1.67	0.07	-5.83
	112	-3042.9	5479.2	2122.7	1.67	3.42	1.10
5	141	2324.4	-1302.6	-2793.8	-1.24	0.06	-4.26
	112	-3572.4	6502.6	2793.8	1.24	4.54	-2.16
6	141	6138.2	-1972.0	-2976.7	-0.98	0.06	-2.95
	112	-7386.2	7172.0	2976.7	0.98	4.84	-4.58
7	141	-1043.7	-6040.0	941.2	-1.31	0.30	-3.32
	112	-204.3	11240.0	-941.2	1.31	-1.85	-10.90
8	141	-1645.1	-4943.5	1313.2	-1.65	0.30	-4.93

	112	397.1	10143.5	-1313.2	1.65	-2.46	-7.48
9	141	-1115.7	-5966.9	642.1	-1.22	0.28	-3.36
	112	-132.3	11166.9	-642.1	1.22	-1.34	-10.74
10	141	2698.1	-6636.3	459.2	-0.97	0.28	-2.04
	112	-3946.1	11836.3	-459.2	0.97	-1.04	-13.16
11	141	2231.7	-461.2	-2186.8	-1.05	0.02	-3.42
	112	-3479.7	5661.2	2186.8	1.05	3.57	-1.61
12	141	-1208.3	-5125.5	1249.1	-1.03	0.25	-2.52
	112	-39.7	10325.5	-1249.1	1.03	-2.31	-10.20
13	141	1229.4	1366.3	-1566.9	-1.62	0.02	-6.11
	112	-2477.4	3833.7	1566.9	1.62	2.55	4.08
14	141	-2210.7	-3298.0	1869.0	-1.61	0.25	-5.20
	112	962.7	8498.0	-1869.0	1.61	-3.33	-4.51
15	141	2111.8	-339.3	-2685.2	-0.90	-0.00	-3.49
	112	-3359.8	5539.3	2685.2	0.90	4.42	-1.35
16	141	-1328.2	-5003.6	750.7	-0.89	0.23	-2.58
	112	80.2	10203.6	-750.7	0.89	-1.46	-9.93
17	141	8468.1	-1455.1	-2990.1	-0.48	-0.00	-1.29
	112	-9716.1	6655.1	2990.1	0.48	4.92	-5.38
18	141	5028.1	-6119.4	445.8	-0.46	0.23	-0.38
	112	-6276.1	11319.4	-445.8	0.46	-0.96	-13.96
19	141	3351.9	1121.3	-3441.8	-1.02	-0.06	-3.74
	112	-4599.9	4078.7	3441.8	1.02	5.72	1.31
20	141	-2381.5	-6652.5	2284.7	-0.99	0.32	-2.23
	112	1133.5	11852.5	-2284.7	0.99	-4.08	-13.00
21	141	2750.5	2217.8	-3069.9	-1.37	-0.06	-5.35
	112	-3998.5	2982.2	3069.9	1.37	5.11	4.72
22	141	-2982.9	-5556.0	2656.6	-1.34	0.32	-3.84
	112	1734.9	10756.0	-2656.6	1.34	-4.69	-9.58
23	141	3280.0	1194.4	-3740.9	-0.94	-0.07	-3.78
	112	-4528.0	4005.6	3740.9	0.94	6.23	1.47
24	141	-2453.4	-6579.4	1985.6	-0.91	0.31	-2.27
	112	1205.4	11779.4	-1985.6	0.91	-3.57	-12.84
25	141	7093.8	525.0	-3923.8	-0.68	-0.07	-2.46
	112	-8341.8	4675.0	3923.8	0.68	6.53	-0.95
26	141	1360.4	-7248.8	1802.7	-0.65	0.31	-0.95
	112	-2608.4	12448.8	-1802.7	0.65	-3.27	-15.26
27	141	676.8	-3609.4	-1016.1	-0.17	-0.57	-2.63
	112	-1636.8	7609.4	1016.1	0.17	2.15	-7.15
28	141	-851.4	-2163.8	-2386.5	-0.39	-1.01	-3.49
	112	-108.6	6163.8	2386.5	0.39	4.81	-3.91
29	141	2868.1	-4988.8	1315.9	-0.36	0.59	-1.43
	112	-3828.1	8988.8	-1315.9	0.36	-2.71	-10.23
30	141	671.3	-2316.3	-339.8	-1.08	0.40	-2.70
	112	-1631.3	6316.3	339.8	1.08	0.19	-4.24
31	141	1843.8	-2732.0	1078.5	-1.41	1.26	-2.07
	112	-2803.8	6732.0	-1078.5	1.41	-2.90	-5.16
32	141	315.6	-1286.5	-291.9	-1.62	0.82	-2.93
	112	-1275.6	5286.5	291.9	1.62	-0.25	-1.92
33	141	-2225.8	-170.3	-3252.3	-1.07	-0.89	-4.30
	112	1265.8	4170.3	3252.3	1.07	6.13	0.56
34	141	-1875.7	92.9	-2623.9	-1.44	-0.34	-4.14
	112	915.7	3907.1	2623.9	1.44	4.61	1.16
35	141	368.8	-1819.8	-521.9	-0.69	0.09	-2.26
	112	-1328.8	5819.8	521.9	0.69	0.77	-4.03
36	141	267.9	-1219.3	-280.1	-0.52	0.06	-1.72

	112	-1227.9	5219.3	280.1	0.52	0.40	-3.58
37	141	-133.0	-488.3	-32.1	-0.75	0.06	-2.79
	112	-827.0	4488.3	32.1	0.75	-0.01	-1.30
38	141	219.9	-1170.6	-479.4	-0.46	0.05	-1.74
	112	-1179.9	5170.6	479.4	0.46	0.74	-3.47
39	141	2762.5	-1616.9	-601.4	-0.29	0.05	-0.87
	112	-3722.5	5616.9	601.4	0.29	0.94	-5.09
40	141	1388.1	363.2	-1535.1	-0.49	-0.02	-2.04
	112	-2348.1	3636.8	1535.1	0.49	2.55	-0.66
41	141	-905.2	-2746.3	755.5	-0.48	0.13	-1.43
	112	-54.8	6746.3	-755.5	0.48	-1.37	-6.38
42	141	496.2	-2447.9	-654.0	-0.90	0.12	-2.78
	112	-1456.2	6447.9	654.0	0.90	0.95	-4.54
43	141	635.5	-3575.3	-1042.1	-0.15	-0.60	-2.66
	112	-1595.5	7575.3	1042.1	0.15	2.23	-7.08
44	141	-856.5	-2210.2	-2429.6	-0.36	-1.06	-3.48
	112	-103.5	6210.2	2429.6	0.36	4.94	-4.02
45	141	2800.8	-4856.6	1333.8	-0.36	0.61	-1.50
	112	-3760.8	8856.6	-1333.8	0.36	-2.77	-9.95
46	141	3164.8	-4589.7	1983.0	-0.74	1.19	-1.33
	112	-4124.8	8589.7	-1983.0	0.74	-4.35	-9.34
47	141	1848.9	-2685.7	1121.6	-1.43	1.31	-2.09
	112	-2808.9	6685.7	-1121.6	1.43	-3.04	-5.06
48	141	356.9	-1320.5	-265.9	-1.64	0.85	-2.91
	112	-1316.9	5320.5	265.9	1.64	-0.33	-1.99
49	141	-2172.4	-306.2	-3291.0	-1.05	-0.94	-4.24
	112	1212.4	4306.2	3291.0	1.05	6.26	0.27
50	141	-1808.4	-39.3	-2641.9	-1.44	-0.37	-4.07
	112	848.4	4039.3	2641.9	1.44	4.67	0.88
51	141	357.6	-2108.7	-695.8	0.12	-0.53	-1.63
	112	-1317.6	6108.7	695.8	-0.12	1.61	-5.59
52	141	-849.8	-999.9	-1811.8	-0.05	-0.90	-2.30
	112	-110.2	4999.9	1811.8	0.05	3.78	-3.10
53	141	2107.5	-3148.5	1211.0	-0.05	0.44	-0.69
	112	-3067.5	7148.5	-1211.0	0.05	-2.40	-7.92
54	141	2400.0	-2930.8	1729.3	-0.36	0.91	-0.55
	112	-3360.0	6930.8	-1729.3	0.36	-3.67	-7.42
55	141	1332.6	-1383.3	1032.2	-0.92	1.01	-1.17
	112	-2292.6	5383.3	-1032.2	0.92	-2.61	-3.94
56	141	125.2	-274.5	-83.8	-1.09	0.64	-1.84
	112	-1085.2	4274.5	83.8	1.09	-0.44	-1.45
57	141	-1917.1	547.7	-2508.9	-0.61	-0.80	-2.92
	112	957.1	3452.3	2508.9	0.61	4.84	0.38
58	141	-1624.6	765.3	-1990.5	-0.93	-0.33	-2.78
	112	664.6	3234.7	1990.5	0.93	3.58	0.88
1	171	-1199.3	4275.4	-92.5	-0.65	0.22	0.53
	141	-48.7	924.6	92.5	0.65	-0.07	2.23
2	171	-1563.2	5499.4	-14.3	-1.27	0.20	0.94
	141	315.2	-299.4	14.3	1.27	-0.18	3.83
3	171	196.6	7789.9	-1290.7	-1.32	2.20	4.28
	141	-1444.6	-2589.9	1290.7	1.32	-0.07	4.26
4	171	-404.8	10464.4	-997.1	-1.67	1.71	7.06
	141	-843.2	-5264.4	997.1	1.67	-0.07	5.88
5	171	124.6	7863.0	-1588.0	-1.24	2.67	4.36
	141	-1372.6	-2663.0	1588.0	1.24	-0.06	4.30

	171	3938.4	6010.0	-1749.6	-0.98	2.93	2.64
	141	-5186.4	-810.0	1749.6	0.98	-0.06	2.97
7	171	-3243.4	3125.6	1586.1	-1.31	-2.31	-2.49
	141	1995.4	2074.4	-1586.1	1.31	-0.30	3.35
8	171	-3844.9	5800.1	1879.7	-1.65	-2.79	0.29
	141	2596.9	-600.1	-1879.7	1.65	-0.30	4.98
9	171	-3315.4	3198.7	1288.8	-1.22	-1.84	-2.41
	141	2067.4	2001.3	-1288.8	1.22	-0.28	3.39
10	171	498.4	1345.7	1127.3	-0.97	-1.57	-4.13
	141	-1746.4	3854.3	-1127.3	0.97	-0.28	2.06
11	171	405.0	7150.1	-1221.9	-1.05	2.03	4.04
	141	-1653.0	-1950.1	1221.9	1.05	-0.02	3.45
12	171	-3035.0	2485.8	1655.0	-1.03	-2.47	-2.73
	141	1787.0	2714.2	-1655.0	1.03	-0.25	2.54
13	171	-597.3	11607.7	-732.4	-1.62	1.23	8.67
	141	-650.7	-6407.7	732.4	1.62	-0.02	6.15
14	171	-4037.4	6943.4	2144.4	-1.61	-3.28	1.90
	141	2789.4	-1743.4	-2144.4	1.61	-0.25	5.25
15	171	285.1	7272.0	-1717.3	-0.90	2.82	4.18
	141	-1533.1	-2072.0	1717.3	0.90	0.00	3.51
16	171	-3154.9	2607.7	1159.5	-0.89	-1.68	-2.59
	141	1907.0	2592.3	-1159.5	0.89	-0.23	2.60
17	171	6641.4	4183.7	-1986.6	-0.48	3.27	1.31
	141	-7889.4	1016.3	1986.6	0.48	0.00	1.30
18	171	3201.4	-480.6	890.2	-0.46	-1.24	-5.46
	141	-4449.4	5680.6	-890.2	0.46	-0.23	0.39
19	171	1525.2	8732.7	-2288.8	-1.02	3.71	6.33
	141	-2773.2	-3532.7	2288.8	1.02	0.06	3.76
20	171	-4208.2	958.8	2506.0	-0.99	-3.80	-4.95
	141	2960.2	4241.2	-2506.0	0.99	-0.32	2.25
21	171	923.8	11407.2	-1995.1	-1.37	3.23	9.10
	141	-2171.8	-6207.2	1995.1	1.37	0.06	5.39
22	171	-4809.6	3633.4	2799.6	-1.34	-4.28	-2.18
	141	3561.6	1566.6	-2799.6	1.34	-0.32	3.88
23	171	1453.2	8805.8	-2586.1	-0.94	4.18	6.41
	141	-2701.2	-3605.8	2586.1	0.94	0.07	3.80
24	171	-4280.1	1031.9	2208.7	-0.91	-3.33	-4.87
	141	3032.1	4168.1	-2208.7	0.91	-0.31	2.29
25	171	5267.1	6952.8	-2747.6	-0.68	4.45	4.69
	141	-6515.1	-1752.8	2747.6	0.68	0.07	2.47
26	171	-466.3	-821.0	2047.1	-0.65	-3.06	-6.59
	141	-781.7	6021.0	-2047.1	0.65	-0.31	0.96
27	171	-1074.9	2914.2	-1586.6	-0.17	2.05	-0.60
	141	114.9	1085.8	1586.6	0.17	0.57	2.66
28	171	-2074.8	4547.1	-3133.1	-0.39	4.16	1.23
	141	1114.8	-547.1	3133.1	0.39	1.01	3.52
29	171	422.6	1345.3	1866.3	-0.36	-2.50	-2.38
	141	-1382.6	2654.7	-1866.3	0.36	-0.59	1.45
30	171	-960.0	4354.9	701.8	-1.08	-0.76	0.99
	141	0.0	-354.9	-701.8	1.08	-0.40	2.72
31	171	-129.1	3874.6	3123.7	-1.41	-3.90	0.43
	141	-830.9	125.4	-3123.7	1.41	-1.26	2.10
32	171	-1128.9	5507.5	1577.2	-1.62	-1.78	2.26
	141	168.9	-1507.5	-1577.2	1.62	-0.82	2.96
33	171	-2910.2	6788.2	-3288.8	-1.07	4.55	3.73
	141	1950.2	-2788.2	3288.8	1.07	0.89	4.33

	171	-2626.4	7076.4	-1875.7	-1.44	2.77	4.04
	141	1666.4	-3076.4	1875.7	1.44	0.34	4.16
35	171	-980.6	3802.8	-30.8	-0.69	0.14	0.69
	141	20.6	197.2	30.8	0.69	-0.09	2.27
36	171	-832.8	3367.1	51.1	-0.52	-0.02	0.52
	141	-127.2	632.9	-51.1	0.52	-0.06	1.73
37	171	-1233.8	5150.1	246.9	-0.75	-0.35	2.37
	141	273.8	-1150.1	-246.9	0.75	-0.06	2.81
38	171	-880.8	3415.8	-147.0	-0.46	0.29	0.58
	141	-79.2	584.2	147.0	0.46	-0.05	1.75
39	171	1661.7	2180.5	-254.7	-0.29	0.47	-0.57
	141	-2621.7	1819.5	254.7	0.29	-0.05	0.87
40	171	287.4	4949.6	-1015.8	-0.49	1.65	2.81
	141	-1247.4	-949.6	1015.8	0.49	0.02	2.04
41	171	-2006.0	1840.1	902.1	-0.48	-1.35	-1.70
	141	1046.0	2159.9	-902.1	0.48	-0.13	1.44
42	171	-1101.9	4210.8	-4.7	-0.90	0.13	0.83
	141	141.9	-210.8	4.7	0.90	-0.12	2.81
43	171	-1094.9	2955.2	-1662.1	-0.15	2.14	-0.55
	141	134.9	1044.8	1662.1	0.15	0.60	2.68
44	171	-2101.1	4494.2	-3273.0	-0.36	4.34	1.17
	141	1141.1	-494.2	3273.0	0.36	1.06	3.51
45	171	426.2	1500.0	1941.3	-0.36	-2.59	-2.19
	141	-1386.2	2500.0	-1941.3	0.36	-0.61	1.52
46	171	723.9	1791.7	3419.0	-0.74	-4.46	-1.87
	141	-1683.9	2208.3	-3419.0	0.74	-1.19	1.35
47	171	-102.8	3927.5	3263.6	-1.43	-4.07	0.49
	141	-857.2	72.5	-3263.6	1.43	-1.31	2.11
48	171	-1108.9	5466.5	1652.7	-1.64	-1.88	2.21
	141	148.9	-1466.5	-1652.7	1.64	-0.85	2.93
49	171	-2927.7	6630.0	-3428.4	-1.05	4.72	3.53
	141	1967.7	-2630.0	3428.4	1.05	0.94	4.27
50	171	-2630.0	6921.7	-1950.7	-1.44	2.86	3.85
	141	1670.0	-2921.7	1950.7	1.44	0.37	4.10
51	171	-850.7	2373.5	-1394.3	0.12	1.77	-0.57
	141	-109.3	1626.5	1394.3	-0.12	0.53	1.64
52	171	-1662.6	3623.7	-2683.0	-0.05	3.52	0.83
	141	702.6	376.3	2683.0	0.05	0.90	2.31
53	171	374.6	1192.3	1496.5	-0.05	-2.03	-1.90
	141	-1334.6	2807.7	-1496.5	0.05	-0.44	0.70
54	171	613.0	1430.0	2685.6	-0.36	-3.53	-1.64
	141	-1573.0	2570.0	-2685.6	0.36	-0.91	0.56
55	171	-56.0	3166.0	2569.4	-0.92	-3.23	0.28
	141	-904.0	834.0	-2569.4	0.92	-1.01	1.17
56	171	-867.9	4416.2	1280.6	-1.09	-1.47	1.68
	141	-92.1	-416.2	-1280.6	1.09	-0.64	1.84
57	171	-2331.6	5359.7	-2799.3	-0.61	3.83	2.75
	141	1371.6	-1359.7	2799.3	0.61	0.80	2.92
58	171	-2093.2	5597.4	-1610.2	-0.93	2.33	3.01
	141	1133.2	-1597.4	1610.2	0.93	0.33	2.79
1	112	-1924.5	8392.8	57.7	-0.03	0.12	6.65
	75	189.0	-1161.5	-57.7	0.03	-0.25	4.28
2	112	-2210.8	10623.2	70.5	0.04	0.23	8.87
	75	475.3	-3391.9	-70.5	-0.04	-0.39	7.16
3	112	12103.3	10778.9	407.1	0.07	-0.07	10.65

	75	-13838.8	-3547.6	-407.1	-0.07	-0.86	5.74
4	112	14048.3	14789.4	658.8	0.12	-0.69	17.39
	75	-15783.8	-7558.1	-658.8	-0.12	-0.82	8.18
5	112	12017.9	10946.4	189.6	0.03	0.38	10.97
	75	-13753.4	-3715.2	-189.6	-0.03	-0.82	5.81
6	112	14059.7	7964.1	33.9	-0.00	0.76	5.94
	75	-15795.2	-732.8	-33.9	0.00	-0.84	4.01
7	112	-16431.1	10278.6	-19.9	0.05	0.01	6.73
	75	14695.6	-3047.3	19.9	-0.05	0.03	8.51
8	112	-14486.1	14289.1	231.8	0.10	-0.60	13.47
	75	12750.6	-7057.8	-231.8	-0.10	0.07	10.95
9	112	-16516.6	10446.2	-237.3	0.01	0.47	7.05
	75	14781.1	-3214.9	237.3	-0.01	0.07	8.58
10	112	-14474.7	7463.8	-393.0	-0.02	0.85	2.02
	75	12739.2	-232.6	393.0	0.02	0.05	6.79
11	112	12277.7	9600.7	482.7	0.05	-0.30	9.42
	75	-14013.2	-2369.5	-482.7	-0.05	-0.80	4.27
12	112	-16256.7	9100.5	55.7	0.03	-0.21	5.50
	75	14521.2	-1869.2	-55.7	-0.03	0.09	7.05
13	112	15519.4	16284.9	902.2	0.13	-1.33	20.65
	75	-17254.9	-9053.7	-902.2	-0.13	-0.74	8.34
14	112	-13015.0	15784.6	475.3	0.11	-1.24	16.73
	75	11279.5	-8553.4	-475.3	-0.11	0.15	11.11
15	112	12135.3	9880.0	120.3	-0.01	0.46	9.95
	75	-13870.8	-2648.8	-120.3	0.01	-0.74	4.39
16	112	-16399.1	9379.7	-306.6	-0.03	0.55	6.03
	75	14663.6	-2148.5	306.6	0.03	0.15	7.16
17	112	15538.5	4909.4	-139.2	-0.07	1.09	1.57
	75	-17274.0	2321.8	139.2	0.07	-0.78	1.39
18	112	-12995.9	4409.2	-566.2	-0.08	1.18	-2.35
	75	11260.4	2822.1	566.2	0.08	0.11	4.17
19	112	21757.9	9830.4	543.0	0.04	-0.16	10.85
	75	-23493.4	-2599.2	-543.0	-0.04	-1.09	3.37
20	112	-25799.4	8996.7	-168.6	0.01	-0.01	4.32
	75	24063.9	-1765.4	168.6	-0.01	0.40	8.00
21	112	23703.0	13840.9	794.7	0.09	-0.77	17.59
	75	-25438.5	-6609.7	-794.7	-0.09	-1.05	5.81
22	112	-23854.4	13007.2	83.1	0.06	-0.63	11.05
	75	22118.9	-5775.9	-83.1	-0.06	0.44	10.43
23	112	21672.5	9998.0	325.6	0.01	0.30	11.16
	75	-23408.0	-2766.8	-325.6	-0.01	-1.05	3.44
24	112	-25884.9	9164.2	-386.1	-0.03	0.45	4.63
	75	24149.4	-1933.0	386.1	0.03	0.44	8.06
25	112	23714.4	7015.7	169.8	-0.03	0.68	6.13
	75	-25449.9	215.6	-169.8	0.03	-1.07	1.65
26	112	-23843.0	6181.9	-541.8	-0.06	0.82	-0.40
	75	22107.5	1049.4	541.8	0.06	0.41	6.27
27	112	-1227.6	7334.7	-947.5	-0.18	1.41	5.47
	75	-107.4	-1772.2	947.5	0.18	0.93	4.95
28	112	-2830.5	9688.3	-584.2	-0.05	0.42	9.95
	75	1495.5	-4125.8	584.2	0.05	1.37	5.85
29	112	1033.8	4102.6	-795.2	-0.24	2.04	-0.69
	75	-2368.8	1459.9	795.2	0.24	-0.58	3.72
30	112	-1302.2	7608.4	304.1	0.06	-0.08	5.98
	75	-32.8	-2045.9	-304.1	-0.06	-0.71	5.07
31	112	-109.3	5945.3	698.6	0.09	-0.12	2.80

	75	-1225.7	-382.8	-698.6	-0.09	-1.94	4.44
32	112	-1712.2	8298.9	1061.9	0.23	-1.11	7.28
	75	377.2	-2736.4	-1061.9	-0.23	-1.50	5.34
33	112	-4309.2	11947.8	415.8	0.20	-1.27	14.25
	75	2974.2	-6385.3	-415.8	-0.20	0.88	6.73
34	112	-3973.7	11531.0	909.7	0.29	-1.73	13.45
	75	2638.7	-5968.5	-909.7	-0.29	0.02	6.57
35	112	-1374.5	7073.3	52.9	0.00	0.12	5.64
	75	39.5	-1510.8	-52.9	-0.00	-0.24	4.18
36	112	-1247.8	6266.9	130.7	-0.01	-0.09	4.78
	75	-87.2	-704.4	-130.7	0.01	-0.21	3.20
37	112	48.9	8940.6	298.5	0.02	-0.50	9.27
	75	-1383.9	-3378.1	-298.5	-0.02	-0.18	4.82
38	112	-1304.7	6378.7	-14.2	-0.03	0.21	4.99
	75	-30.3	-816.2	14.2	0.03	-0.18	3.24
39	112	56.5	4390.4	-118.1	-0.05	0.47	1.63
	75	-1391.5	1172.1	118.1	0.05	-0.20	2.05
40	112	8232.4	6496.6	191.0	-0.01	0.05	6.20
	75	-9567.4	-934.1	-191.0	0.01	-0.49	2.30
41	112	-10790.5	6163.1	-93.7	-0.03	0.11	3.59
	75	9455.5	-600.6	93.7	0.03	0.10	4.15
42	112	-1469.9	7816.8	57.2	0.02	0.15	6.38
	75	134.9	-2254.3	-57.2	-0.02	-0.28	5.15
43	112	-1276.0	7408.9	-962.9	-0.18	1.39	5.61
	75	-59.0	-1846.4	962.9	0.18	0.98	4.98
44	112	-2822.5	9641.3	-609.4	-0.05	0.40	9.87
	75	1487.5	-4078.8	609.4	0.05	1.43	5.83
45	112	933.8	4308.7	-785.0	-0.25	2.01	-0.31
	75	-2268.8	1253.8	785.0	0.25	-0.59	3.80
46	112	1281.4	3883.7	-279.0	-0.17	1.57	-1.12
	75	-2616.4	1678.8	279.0	0.17	-1.49	3.65
47	112	-117.4	5992.3	723.8	0.09	-0.10	2.89
	75	-1217.6	-429.8	-723.8	-0.09	-2.00	4.46
48	112	-1663.9	8224.7	1077.3	0.23	-1.08	7.14
	75	328.9	-2662.2	-1077.3	-0.23	-1.55	5.31
49	112	-4221.2	11749.9	393.4	0.21	-1.26	13.88
	75	2886.2	-6187.4	-393.4	-0.21	0.92	6.64
50	112	-3873.6	11324.9	899.4	0.29	-1.71	13.06
	75	2538.6	-5762.4	-899.4	-0.29	0.03	6.49
51	112	-1117.6	5997.7	-783.9	-0.19	1.09	4.27
	75	-217.4	-435.2	783.9	0.19	0.83	3.09
52	112	-2370.5	7809.8	-495.2	-0.08	0.29	7.73
	75	1035.5	-2247.3	495.2	0.08	1.20	3.78
53	112	669.6	3482.0	-638.9	-0.24	1.59	-0.53
	75	-2004.6	2080.5	638.9	0.24	-0.44	2.13
54	112	948.6	3137.6	-226.0	-0.17	1.22	-1.19
	75	-2283.6	2424.9	226.0	0.17	-1.16	2.01
55	112	-187.6	4850.0	592.6	0.04	-0.13	2.06
	75	-1147.4	712.5	-592.6	-0.04	-1.58	2.67
56	112	-1440.5	6662.0	881.3	0.15	-0.92	5.52
	75	105.5	-1099.5	-881.3	-0.15	-1.22	3.36
57	112	-3506.7	9522.1	323.3	0.13	-1.06	10.98
	75	2171.7	-3959.6	-323.3	-0.13	0.78	4.44
58	112	-3227.7	9177.8	736.3	0.20	-1.42	10.32
	75	1892.7	-3615.3	-736.3	-0.20	0.05	4.32

	182	-69.0	573.0	28.8	-0.03	-0.05	0.06
	152	-31.7	-153.7	-28.8	0.03	0.00	0.54
2	182	-192.0	1557.7	53.0	-0.11	-0.09	0.22
	152	91.4	-1138.4	-53.0	0.11	0.01	2.00
3	182	-1582.9	2145.3	258.0	-0.15	-0.37	0.36
	152	1482.3	-1726.0	-258.0	0.15	-0.05	2.82
4	182	-1394.8	1641.8	266.1	-0.11	-0.39	0.28
	152	1294.2	-1222.4	-266.1	0.11	-0.05	2.08
5	182	-1204.3	1251.4	328.4	-0.08	-0.49	0.22
	152	1103.6	-832.1	-328.4	0.08	-0.05	1.50
6	182	-1374.4	1630.5	314.8	-0.11	-0.46	0.27
	152	1273.7	-1211.1	-314.8	0.11	-0.05	2.06
7	182	791.2	1991.7	-232.6	-0.15	0.32	0.25
	152	-891.8	-1572.4	232.6	0.15	0.06	2.68
8	182	979.3	1488.1	-224.5	-0.11	0.31	0.17
	152	-1079.9	-1068.8	224.5	0.11	0.06	1.93
9	182	1169.9	1097.8	-162.3	-0.08	0.20	0.11
	152	-1270.5	-678.4	162.3	0.08	0.06	1.36
10	182	999.7	1476.8	-175.9	-0.11	0.23	0.16
	152	-1100.4	-1057.5	175.9	0.11	0.06	1.92
11	182	-1657.3	1993.5	219.1	-0.14	-0.31	0.34
	152	1556.7	-1574.2	-219.1	0.14	-0.05	2.60
12	182	716.8	1839.9	-271.6	-0.14	0.38	0.23
	152	-817.4	-1420.5	271.6	0.14	0.06	2.46
13	182	-1343.8	1154.2	232.6	-0.07	-0.33	0.20
	152	1243.2	-734.9	-232.6	0.07	-0.05	1.35
14	182	1030.3	1000.6	-258.1	-0.07	0.36	0.09
	152	-1130.9	-581.3	258.1	0.07	0.06	1.21
15	182	-1026.2	503.6	336.3	-0.02	-0.50	0.10
	152	925.6	-84.3	-336.3	0.02	-0.05	0.39
16	182	1347.9	350.0	-154.3	-0.02	0.19	-0.02
	152	-1448.6	69.4	154.3	0.02	0.06	0.25
17	182	-1309.7	1135.4	313.7	-0.07	-0.46	0.19
	152	1209.1	-716.1	-313.7	0.07	-0.06	1.33
18	182	1064.4	981.8	-176.9	-0.07	0.23	0.08
	152	-1165.0	-562.4	176.9	0.07	0.06	1.19
19	182	-2312.8	1704.2	409.5	-0.11	-0.58	0.32
	152	2212.2	-1284.9	-409.5	0.11	-0.09	2.14
20	182	1644.1	1448.1	-408.3	-0.11	0.57	0.13
	152	-1744.7	-1028.8	408.3	0.11	0.10	1.91
21	182	-2124.7	1200.6	417.6	-0.07	-0.60	0.24
	152	2024.1	-781.3	-417.6	0.07	-0.09	1.39
22	182	1832.2	944.6	-400.2	-0.07	0.56	0.05
	152	-1932.8	-525.2	400.2	0.07	0.10	1.16
23	182	-1934.1	810.3	479.8	-0.04	-0.70	0.17
	152	1833.5	-390.9	-479.8	0.04	-0.09	0.82
24	182	2022.7	554.2	-337.9	-0.04	0.46	-0.01
	152	-2123.4	-134.9	337.9	0.04	0.10	0.58
25	182	-2104.2	1189.3	466.3	-0.07	-0.68	0.23
	152	2003.6	-770.0	-466.3	0.07	-0.09	1.38
26	182	1852.6	933.3	-351.5	-0.07	0.48	0.05
	152	-1953.3	-513.9	351.5	0.07	0.10	1.14
27	182	9.8	965.0	-30.6	-0.07	0.04	0.11
	152	-87.2	-642.5	30.6	0.07	0.02	1.21
28	182	174.8	992.3	-150.1	-0.07	0.19	0.13
	152	-252.3	-669.7	150.1	0.07	0.06	1.24

	182	-340.6	1000.9	197.3	-0.07	-0.26	0.11
	152	263.2	-678.3	-197.3	0.07	-0.06	1.26
30	182	-200.8	1104.3	74.0	-0.08	-0.12	0.16
	152	123.4	-781.7	-74.0	0.08	-0.01	1.39
31	182	-441.2	1158.3	222.2	-0.08	-0.32	0.17
	152	363.8	-835.8	-222.2	0.08	-0.05	1.47
32	182	-276.1	1185.6	102.7	-0.08	-0.17	0.19
	152	198.7	-863.0	-102.7	0.08	-0.01	1.50
33	182	209.6	1091.8	-201.1	-0.08	0.24	0.17
	152	-287.0	-769.2	201.1	0.08	0.09	1.37
34	182	74.3	1149.7	-125.2	-0.08	0.14	0.19
	152	-151.7	-827.2	125.2	0.08	0.07	1.44
35	182	-92.2	747.1	28.0	-0.05	-0.05	0.10
	152	14.8	-424.5	-28.0	0.05	0.00	0.87
36	182	-187.1	759.4	-6.9	-0.05	0.01	0.10
	152	109.7	-436.8	6.9	0.05	0.00	0.89
37	182	-61.7	423.6	-1.5	-0.02	-0.00	0.05
	152	-15.7	-101.1	1.5	0.02	0.00	0.39
38	182	65.4	163.4	40.0	-0.00	-0.07	0.00
	152	-142.8	159.2	-40.0	0.00	0.00	0.00
39	182	-48.0	416.1	30.9	-0.02	-0.05	0.04
	152	-29.4	-93.5	-30.9	0.02	0.00	0.38
40	182	-842.5	470.0	183.5	-0.02	-0.27	0.08
	152	765.1	-147.5	-183.5	0.02	-0.04	0.43
41	182	740.2	367.6	-143.6	-0.02	0.20	0.01
	152	-817.6	-45.1	143.6	0.02	0.04	0.33
42	182	-133.2	1075.3	36.0	-0.07	-0.06	0.15
	152	55.8	-752.7	-36.0	0.07	0.00	1.35
43	182	15.8	961.9	-30.5	-0.07	0.04	0.11
	152	-93.2	-639.4	30.5	0.07	0.02	1.21
44	182	189.0	989.7	-155.5	-0.07	0.20	0.13
	152	-266.4	-667.2	155.5	0.07	0.06	1.24
45	182	-351.3	999.2	205.5	-0.07	-0.27	0.11
	152	273.8	-676.6	-205.5	0.07	-0.06	1.26
46	182	-492.6	1058.8	282.9	-0.07	-0.38	0.13
	152	415.2	-736.3	-282.9	0.07	-0.09	1.34
47	182	-455.4	1160.9	227.5	-0.08	-0.32	0.17
	152	378.0	-838.3	-227.5	0.08	-0.06	1.47
48	182	-282.1	1188.7	102.6	-0.08	-0.17	0.19
	152	204.7	-866.1	-102.6	0.08	-0.01	1.50
49	182	226.2	1091.8	-210.9	-0.08	0.25	0.17
	152	-303.7	-769.2	210.9	0.08	0.09	1.37
50	182	84.9	1151.5	-133.5	-0.08	0.15	0.19
	152	-162.3	-828.9	133.5	0.08	0.07	1.45
51	182	68.8	326.3	-33.7	-0.02	0.05	0.01
	152	-146.3	-3.8	33.7	0.02	0.01	0.26
52	182	207.4	349.1	-133.7	-0.02	0.17	0.02
	152	-284.8	-26.5	133.7	0.02	0.05	0.29
53	182	-225.3	356.6	155.6	-0.02	-0.20	0.01
	152	147.9	-34.0	-155.6	0.02	-0.05	0.31
54	182	-338.9	405.2	217.8	-0.02	-0.29	0.03
	152	261.5	-82.7	-217.8	0.02	-0.07	0.37
55	182	-309.7	488.6	173.6	-0.03	-0.24	0.06
	152	232.3	-166.0	-173.6	0.03	-0.04	0.48
56	182	-171.2	511.3	73.5	-0.03	-0.12	0.08
	152	93.7	-188.8	-73.5	0.03	-0.01	0.50

	182	236.6	432.4	-178.0	-0.02	0.22	0.06
	152	-314.0	-109.9	178.0	0.02	0.08	0.39
58	182	123.0	481.1	-115.8	-0.03	0.13	0.07
	152	-200.4	-158.5	115.8	0.03	0.06	0.46
1	152	248.8	-751.2	40.7	-0.03	-0.00	-0.54
	122	-349.5	1170.5	-40.7	0.03	-0.06	-1.04
2	152	913.4	-3048.3	70.6	-0.11	-0.01	-2.00
	122	-1014.1	3467.6	-70.6	0.11	-0.11	-3.36
3	152	-477.5	-4126.6	97.8	-0.15	0.05	-2.83
	122	376.9	4546.0	-97.8	0.15	-0.21	-4.30
4	152	-289.4	-2964.2	109.6	-0.11	0.05	-2.08
	122	188.8	3383.5	-109.6	0.11	-0.23	-3.14
5	152	-98.8	-2105.1	172.3	-0.08	0.05	-1.50
	122	-1.8	2524.4	-172.3	0.08	-0.33	-2.31
6	152	-268.9	-2975.5	152.4	-0.11	0.05	-2.07
	122	168.3	3394.8	-152.4	0.11	-0.30	-3.17
7	152	1896.6	-4280.3	-40.6	-0.15	-0.06	-2.69
	122	-1997.2	4699.6	40.6	0.15	0.13	-4.70
8	152	2084.7	-3117.9	-28.8	-0.11	-0.06	-1.94
	122	-2185.3	3537.2	28.8	0.11	0.11	-3.53
9	152	2275.3	-2258.7	33.8	-0.08	-0.06	-1.36
	122	-2375.9	2678.1	-33.8	0.08	0.01	-2.70
10	152	2105.2	-3129.2	13.9	-0.11	-0.06	-1.93
	122	-2205.8	3548.5	-13.9	0.11	0.04	-3.56
11	152	-945.7	-3748.2	54.9	-0.14	0.05	-2.61
	122	845.1	4167.6	-54.9	0.14	-0.14	-3.90
12	152	1428.4	-3901.9	-83.6	-0.14	-0.06	-2.47
	122	-1529.0	4321.2	83.6	0.14	0.20	-4.30
13	152	-632.2	-1810.9	74.5	-0.07	0.05	-1.36
	122	531.6	2230.2	-74.5	0.07	-0.17	-1.97
14	152	1741.9	-1964.5	-64.0	-0.07	-0.06	-1.21
	122	-1842.5	2383.8	64.0	0.07	0.17	-2.36
15	152	-314.6	-379.0	179.0	-0.02	0.05	-0.39
	122	213.9	798.3	-179.0	0.02	-0.35	-0.58
16	152	2059.5	-532.6	40.5	-0.02	-0.06	-0.25
	122	-2160.2	952.0	-40.5	0.02	-0.01	-0.97
17	152	-598.1	-1829.7	145.8	-0.07	0.06	-1.34
	122	497.5	2249.0	-145.8	0.07	-0.30	-2.02
18	152	1776.0	-1983.3	7.3	-0.07	-0.06	-1.19
	122	-1876.6	2402.7	-7.3	0.07	0.05	-2.41
19	152	-1601.2	-2926.9	129.0	-0.11	0.09	-2.15
	122	1500.5	3346.2	-129.0	0.11	-0.30	-3.01
20	152	2355.7	-3183.0	-101.8	-0.11	-0.10	-1.91
	122	-2456.3	3602.3	101.8	0.11	0.27	-3.67
21	152	-1413.1	-1764.4	140.8	-0.07	0.09	-1.40
	122	1312.4	2183.8	-140.8	0.07	-0.32	-1.85
22	152	2543.8	-2020.5	-90.0	-0.07	-0.10	-1.16
	122	-2644.4	2439.8	90.0	0.07	0.25	-2.51
23	152	-1222.5	-905.3	203.5	-0.04	0.09	-0.82
	122	1121.8	1324.7	-203.5	0.04	-0.43	-1.02
24	152	2734.4	-1161.4	-27.3	-0.04	-0.10	-0.58
	122	-2835.0	1580.7	27.3	0.04	0.14	-1.67
25	152	-1392.6	-1775.8	183.6	-0.07	0.09	-1.39
	122	1292.0	2195.1	-183.6	0.07	-0.39	-1.88
26	152	2564.2	-2031.8	-47.2	-0.07	-0.10	-1.15

	122	-2664.9	2451.2	47.2	0.07	0.18	-2.54
27	152	1003.4	-2087.7	109.0	-0.07	-0.02	-1.21
	122	-1080.9	2410.3	-109.0	0.07	-0.25	-2.48
28	152	1161.4	-2067.0	130.4	-0.07	-0.06	-1.24
	122	-1238.8	2389.6	-130.4	0.07	-0.18	-2.42
29	152	494.0	-2095.7	34.4	-0.07	0.06	-1.27
	122	-571.4	2418.3	-34.4	0.07	-0.23	-2.43
30	152	478.6	-2047.3	27.5	-0.08	0.01	-1.40
	122	-556.0	2369.9	-27.5	0.08	-0.04	-2.24
31	152	74.4	-2041.4	-32.8	-0.08	0.05	-1.47
	122	-151.8	2364.0	32.8	0.08	0.02	-2.15
32	152	232.4	-2020.7	-11.4	-0.08	0.01	-1.50
	122	-309.8	2343.3	11.4	0.08	0.09	-2.10
33	152	1020.6	-2026.7	105.7	-0.08	-0.09	-1.37
	122	-1098.0	2349.2	-105.7	0.08	-0.00	-2.24
34	152	741.9	-2012.8	63.2	-0.08	-0.07	-1.45
	122	-819.3	2335.4	-63.2	0.08	0.08	-2.14
35	152	396.4	-1288.5	38.8	-0.05	-0.00	-0.87
	122	-473.8	1611.1	-38.8	0.05	-0.06	-1.51
36	152	38.9	-1293.0	0.8	-0.05	-0.00	-0.89
	122	-116.3	1615.6	-0.8	0.05	0.00	-1.50
37	152	164.3	-518.0	8.7	-0.02	-0.00	-0.39
	122	-241.7	840.6	-8.7	0.02	-0.01	-0.73
38	152	291.4	54.7	50.5	-0.00	-0.00	-0.00
	122	-368.8	267.8	-50.5	0.00	-0.08	-0.17
39	152	178.0	-525.6	37.2	-0.02	-0.00	-0.38
	122	-255.4	848.1	-37.2	0.02	-0.06	-0.75
40	152	-616.5	-471.6	75.0	-0.02	0.04	-0.43
	122	539.1	794.2	-75.0	0.02	-0.16	-0.61
41	152	966.2	-574.1	-17.4	-0.02	-0.04	-0.33
	122	-1043.6	896.6	17.4	0.02	0.07	-0.87
42	152	617.9	-2054.2	48.8	-0.07	-0.00	-1.36
	122	-695.3	2376.8	-48.8	0.07	-0.08	-2.29
43	152	1016.2	-2087.9	106.7	-0.07	-0.02	-1.21
	122	-1093.6	2410.4	-106.7	0.07	-0.24	-2.48
44	152	1182.9	-2066.8	126.6	-0.07	-0.06	-1.24
	122	-1260.3	2389.3	-126.6	0.07	-0.17	-2.42
45	152	484.5	-2096.3	35.8	-0.07	0.06	-1.27
	122	-561.9	2418.9	-35.8	0.07	-0.23	-2.43
46	152	195.5	-2082.5	-4.9	-0.07	0.09	-1.35
	122	-272.9	2405.0	4.9	0.07	-0.15	-2.33
47	152	52.9	-2041.7	-29.1	-0.08	0.06	-1.48
	122	-130.3	2364.3	29.1	0.08	0.02	-2.15
48	152	219.6	-2020.6	-9.1	-0.08	0.01	-1.51
	122	-297.0	2343.2	9.1	0.08	0.09	-2.09
49	152	1040.3	-2026.0	102.4	-0.08	-0.09	-1.37
	122	-1117.7	2348.6	-102.4	0.08	0.00	-2.24
50	152	751.3	-2012.2	61.7	-0.08	-0.07	-1.45
	122	-828.7	2334.7	-61.7	0.08	0.08	-2.14
51	152	498.3	-550.3	76.0	-0.02	-0.01	-0.26
	122	-575.7	872.8	-76.0	0.02	-0.18	-0.90
52	152	631.2	-533.2	92.1	-0.02	-0.05	-0.29
	122	-708.6	855.8	-92.1	0.02	-0.12	-0.86
53	152	70.3	-557.0	18.5	-0.02	0.05	-0.31
	122	-147.7	879.5	-18.5	0.02	-0.17	-0.86
54	152	-163.7	-545.6	-14.6	-0.02	0.07	-0.37

	122	86.3	868.2	14.6	0.02	-0.11	-0.78
55	152	-281.5	-512.5	-34.5	-0.03	0.04	-0.48
	122	204.1	835.0	34.5	0.03	0.03	-0.63
56	152	-148.6	-495.4	-18.3	-0.03	0.01	-0.50
	122	71.2	818.0	18.3	0.03	0.09	-0.58
57	152	513.4	-500.1	72.3	-0.02	-0.08	-0.39
	122	-590.8	822.6	-72.3	0.02	0.02	-0.70
58	152	279.4	-488.7	39.1	-0.03	-0.06	-0.46
	122	-356.8	811.3	-39.1	0.03	0.08	-0.62
1	122	136.1	1234.1	4.7	-0.00	-0.03	1.17
	83	-276.0	-651.0	-4.7	0.00	0.02	0.98
2	122	-110.8	3583.8	12.9	-0.01	-0.06	3.83
	83	-29.1	-3000.6	-12.9	0.01	0.03	3.70
3	122	-5579.3	4854.5	73.1	-0.01	-0.17	5.40
	83	5439.3	-4271.4	-73.1	0.01	-0.00	5.04
4	122	-5545.6	3629.7	79.9	-0.01	-0.18	3.99
	83	5405.7	-3046.6	-79.9	0.01	-0.00	3.65
5	122	-5307.9	2708.5	113.5	-0.01	-0.25	2.92
	83	5167.9	-2125.4	-113.5	0.01	-0.01	2.61
6	122	-5402.0	3637.2	102.8	-0.01	-0.23	4.00
	83	5262.0	-3054.0	-102.8	0.01	-0.01	3.65
7	122	5076.0	4763.0	-93.0	-0.02	0.15	5.09
	83	-5216.0	-4179.9	93.0	0.02	0.07	5.14
8	122	5109.7	3538.2	-86.2	-0.01	0.13	3.68
	83	-5249.6	-2955.0	86.2	0.01	0.07	3.75
9	122	5347.4	2617.0	-52.6	-0.01	0.06	2.61
	83	-5487.4	-2033.9	52.6	0.01	0.06	2.71
10	122	5253.3	3545.6	-63.3	-0.01	0.08	3.69
	83	-5393.3	-2962.5	63.3	0.01	0.06	3.76
11	122	-5549.6	4496.3	53.8	-0.01	-0.12	5.02
	83	5409.7	-3913.2	-53.8	0.01	-0.01	4.60
12	122	5105.7	4404.8	-112.3	-0.01	0.20	4.70
	83	-5245.6	-3821.7	112.3	0.01	0.06	4.71
13	122	-5493.6	2455.0	65.2	-0.01	-0.15	2.66
	83	5353.6	-1871.8	-65.2	0.01	-0.00	2.29
14	122	5161.7	2363.4	-100.9	-0.01	0.17	2.35
	83	-5301.7	-1780.3	100.9	0.01	0.06	2.39
15	122	-5097.3	919.7	121.1	-0.00	-0.27	0.88
	83	4957.4	-336.5	-121.1	0.00	-0.01	0.56
16	122	5558.0	828.1	-45.0	-0.00	0.05	0.57
	83	-5697.9	-245.0	45.0	0.00	0.06	0.66
17	122	-5254.2	2467.4	103.3	-0.00	-0.22	2.68
	83	5114.2	-1884.3	-103.3	0.00	-0.01	2.30
18	122	5401.1	2375.9	-62.8	-0.01	0.09	2.37
	83	-5541.1	-1792.8	62.8	0.01	0.05	2.40
19	122	-9007.6	3710.2	124.4	-0.01	-0.25	4.18
	83	8867.6	-3127.1	-124.4	0.01	-0.03	3.64
20	122	8751.3	3557.7	-152.5	-0.01	0.27	3.66
	83	-8891.2	-2974.5	152.5	0.01	0.08	3.82
21	122	-8973.9	2485.4	131.2	-0.01	-0.27	2.76
	83	8834.0	-1902.2	-131.2	0.01	-0.03	2.26
22	122	8784.9	2332.8	-145.6	-0.01	0.25	2.24
	83	-8924.9	-1749.7	145.6	0.01	0.08	2.43
23	122	-8736.2	1564.2	164.8	-0.00	-0.34	1.70
	83	8596.2	-981.1	-164.8	0.00	-0.03	1.22

	122	9022.6	1411.7	-112.1	-0.01	0.18	1.17
	83	-9162.6	-828.5	112.1	0.01	0.08	1.39
25	122	-8830.3	2492.8	154.1	-0.00	-0.32	2.78
	83	8690.3	-1909.7	-154.1	0.00	-0.04	2.26
26	122	8928.5	2340.3	-122.7	-0.01	0.20	2.26
	83	-9068.5	-1757.2	122.7	0.01	0.08	2.43
27	122	227.4	2322.2	58.9	-0.00	-0.13	2.32
	83	-335.1	-1873.6	-58.9	0.00	0.04	2.48
28	122	1253.5	2282.4	38.4	-0.01	-0.11	2.24
	83	-1361.2	-1833.8	-38.4	0.01	0.08	2.46
29	122	-1529.8	2478.1	54.4	-0.00	-0.10	2.64
	83	1422.1	-2029.6	-54.4	0.00	-0.04	2.52
30	122	-299.8	2505.7	-4.1	-0.01	-0.02	2.71
	83	192.2	-2057.1	4.1	0.01	0.01	2.52
31	122	-1373.0	2635.1	-22.3	-0.01	0.03	2.97
	83	1265.3	-2186.5	22.3	0.01	-0.04	2.55
32	122	-346.9	2595.3	-42.7	-0.01	0.05	2.90
	83	239.3	-2146.7	42.7	0.01	0.01	2.53
33	122	1890.4	2345.5	-13.9	-0.01	-0.03	2.38
	83	-1998.1	-1896.9	13.9	0.01	0.11	2.47
34	122	1410.3	2439.4	-38.2	-0.01	0.01	2.58
	83	-1517.9	-1990.8	38.2	0.01	0.08	2.49
35	122	22.6	1675.5	5.4	-0.01	-0.03	1.72
	83	-130.2	-1227.0	-5.4	0.01	0.02	1.60
36	122	11.0	1709.0	-12.6	-0.01	0.01	1.78
	83	-118.7	-1260.4	12.6	0.01	0.02	1.62
37	122	33.4	892.4	-8.0	-0.00	0.00	0.84
	83	-141.1	-443.8	8.0	0.00	0.02	0.69
38	122	191.9	278.3	14.3	-0.00	-0.05	0.12
	83	-299.6	170.3	-14.3	0.00	0.01	0.00
39	122	129.2	897.4	7.2	-0.00	-0.03	0.84
	83	-236.9	-448.8	-7.2	0.00	0.01	0.70
40	122	-3446.9	922.8	58.0	-0.00	-0.12	0.94
	83	3339.2	-474.3	-58.0	0.00	-0.01	0.66
41	122	3656.6	861.8	-52.7	-0.00	0.08	0.73
	83	-3764.3	-413.2	52.7	0.00	0.04	0.73
42	122	-59.7	2458.7	8.1	-0.01	-0.04	2.61
	83	-47.9	-2010.2	-8.1	0.01	0.02	2.51
43	122	242.5	2317.9	58.3	-0.00	-0.12	2.31
	83	-350.1	-1869.3	-58.3	0.00	0.04	2.48
44	122	1314.2	2277.8	37.3	-0.01	-0.11	2.23
	83	-1421.8	-1829.2	-37.3	0.01	0.08	2.46
45	122	-1594.4	2477.3	55.1	-0.00	-0.09	2.64
	83	1486.8	-2028.7	-55.1	0.00	-0.04	2.52
46	122	-2097.3	2573.8	31.3	-0.00	-0.05	2.84
	83	1989.6	-2125.3	-31.3	0.00	-0.07	2.55
47	122	-1433.7	2639.7	-21.1	-0.01	0.02	2.98
	83	1326.0	-2191.2	21.1	0.01	-0.04	2.55
48	122	-362.0	2599.6	-42.1	-0.01	0.04	2.90
	83	254.3	-2151.1	42.1	0.01	0.01	2.53
49	122	1977.8	2343.7	-15.1	-0.01	-0.03	2.37
	83	-2085.5	-1895.1	15.1	0.01	0.11	2.47
50	122	1475.0	2440.2	-38.9	-0.01	0.01	2.58
	83	-1582.6	-1991.7	38.9	0.01	0.09	2.49
51	122	343.5	777.7	43.2	-0.00	-0.09	0.59
	83	-451.2	-329.2	-43.2	0.00	0.03	0.67

	122	1203.3	745.5	26.4	-0.00	-0.07	0.53
	83	-1311.0	-296.9	-26.4	0.00	0.06	0.66
53	122	-1127.5	906.8	40.4	0.00	-0.06	0.86
	83	1019.9	-458.3	-40.4	-0.00	-0.04	0.71
54	122	-1528.7	985.2	21.1	-0.00	-0.03	1.02
	83	1421.0	-536.7	-21.1	0.00	-0.06	0.73
55	122	-993.6	1039.1	-21.1	-0.00	0.03	1.14
	83	886.0	-590.6	21.1	0.00	-0.04	0.73
56	122	-133.8	1006.9	-37.9	-0.01	0.05	1.08
	83	26.2	-558.3	37.9	0.01	0.00	0.72
57	122	1738.4	799.4	-15.8	-0.01	-0.01	0.65
	83	-1846.1	-350.8	15.8	0.01	0.09	0.66
58	122	1337.3	877.8	-35.1	-0.01	0.02	0.81
	83	-1444.9	-429.2	35.1	0.01	0.07	0.68
1	83	563.5	-546.8	40.3	-0.00	-0.02	-0.98
	59	-703.4	1130.0	-40.3	0.00	-0.07	-0.93
2	83	1411.9	-2760.9	67.5	-0.01	-0.03	-3.70
	59	-1551.8	3344.1	-67.5	0.01	-0.12	-3.28
3	83	-4056.5	-3807.0	37.6	-0.01	0.00	-5.04
	59	3916.6	4390.1	-37.6	0.01	-0.09	-4.34
4	83	-4022.9	-2715.0	47.3	-0.01	0.00	-3.65
	59	3882.9	3298.2	-47.3	0.01	-0.11	-3.23
5	83	-3785.1	-1898.6	73.3	-0.01	0.01	-2.61
	59	3645.2	2481.7	-73.3	0.01	-0.17	-2.40
6	83	-3879.2	-2707.6	59.1	-0.01	0.01	-3.65
	59	3739.3	3290.7	-59.1	0.01	-0.14	-3.21
7	83	6598.8	-3898.5	57.2	-0.02	-0.07	-5.14
	59	-6738.7	4481.6	-57.2	0.02	-0.07	-4.45
8	83	6632.4	-2806.6	67.0	-0.01	-0.07	-3.75
	59	-6772.4	3389.7	-67.0	0.01	-0.09	-3.34
9	83	6870.1	-1990.1	93.0	-0.01	-0.06	-2.71
	59	-7010.1	2573.3	-93.0	0.01	-0.15	-2.51
10	83	6776.0	-2799.1	78.8	-0.01	-0.06	-3.76
	59	-6916.0	3382.2	-78.8	0.01	-0.12	-3.32
11	83	-4574.6	-3427.8	10.5	-0.01	0.01	-4.60
	59	4434.6	4010.9	-10.5	0.01	-0.03	-3.91
12	83	6080.7	-3519.3	30.2	-0.01	-0.06	-4.71
	59	-6220.7	4102.4	-30.2	0.01	-0.01	-4.01
13	83	-4518.5	-1607.9	26.8	-0.01	0.00	-2.29
	59	4378.5	2191.0	-26.8	0.01	-0.06	-2.05
14	83	6136.8	-1699.4	46.4	-0.01	-0.06	-2.40
	59	-6276.8	2282.5	-46.4	0.01	-0.04	-2.16
15	83	-4122.3	-247.2	70.1	-0.00	0.01	-0.56
	59	3982.3	830.3	-70.1	0.00	-0.17	-0.67
16	83	6533.0	-338.7	89.7	-0.00	-0.06	-0.66
	59	-6673.0	921.8	-89.7	0.00	-0.15	-0.78
17	83	-4279.1	-1595.4	46.5	-0.00	0.01	-2.30
	59	4139.1	2178.5	-46.5	0.00	-0.12	-2.02
18	83	6376.2	-1686.9	66.1	-0.01	-0.05	-2.40
	59	-6516.1	2270.1	-66.1	0.01	-0.10	-2.13
19	83	-8032.5	-2669.4	17.4	-0.01	0.03	-3.64
	59	7892.5	3252.5	-17.4	0.01	-0.07	-3.13
20	83	9726.3	-2822.0	50.1	-0.01	-0.08	-3.82
	59	-9866.3	3405.1	-50.1	0.01	-0.03	-3.31
21	83	-7998.8	-1577.5	27.2	-0.01	0.03	-2.26

	59	7858.9	2160.6	-27.2	0.01	-0.09	-2.02
22	83	9760.0	-1730.0	59.9	-0.01	-0.08	-2.43
	59	-9899.9	2313.1	-59.9	0.01	-0.05	-2.20
23	83	-7761.1	-761.0	53.1	-0.00	0.03	-1.22
	59	7621.2	1344.2	-53.1	0.00	-0.15	-1.19
24	83	9997.7	-913.6	85.9	-0.01	-0.08	-1.39
	59	-10137.7	1496.7	-85.9	0.01	-0.12	-1.37
25	83	-7855.2	-1570.0	39.0	-0.00	0.04	-2.26
	59	7715.3	2153.1	-39.0	0.00	-0.12	-2.00
26	83	9903.6	-1722.5	71.7	-0.01	-0.08	-2.43
	59	-10043.6	2305.7	-71.7	0.01	-0.09	-2.18
27	83	1510.7	-1918.5	73.4	-0.00	-0.04	-2.48
	59	-1618.3	2367.1	-73.4	0.00	-0.14	-2.42
28	83	2501.7	-1935.1	134.7	-0.01	-0.08	-2.46
	59	-2609.3	2383.6	-134.7	0.01	-0.24	-2.47
29	83	-368.3	-1843.2	-37.7	-0.00	0.04	-2.52
	59	260.6	2291.8	37.7	0.00	0.04	-2.22
30	83	663.8	-1822.7	30.8	-0.01	-0.01	-2.52
	59	-771.4	2271.3	-30.8	0.01	-0.06	-2.17
31	83	-554.5	-1758.5	-39.4	-0.01	0.04	-2.55
	59	446.9	2207.0	39.4	0.01	0.06	-1.99
32	83	436.5	-1775.0	22.0	-0.01	-0.01	-2.53
	59	-544.1	2223.5	-22.0	0.01	-0.03	-2.04
33	83	2935.0	-1898.3	166.9	-0.01	-0.11	-2.47
	59	-3042.7	2346.9	-166.9	0.01	-0.28	-2.38
34	83	2315.4	-1850.3	133.1	-0.01	-0.08	-2.49
	59	-2423.1	2298.9	-133.1	0.01	-0.22	-2.25
35	83	690.8	-1108.7	38.6	-0.01	-0.02	-1.60
	59	-798.4	1557.3	-38.6	0.01	-0.07	-1.45
36	83	314.1	-1098.6	16.1	-0.01	-0.02	-1.62
	59	-421.8	1547.1	-16.1	0.01	-0.02	-1.41
37	83	336.6	-370.6	22.6	-0.00	-0.02	-0.69
	59	-444.2	819.1	-22.6	0.00	-0.03	-0.67
38	83	495.1	173.7	39.9	-0.00	-0.01	-0.00
	59	-602.7	274.9	-39.9	0.00	-0.08	-0.11
39	83	432.3	-365.6	30.5	-0.00	-0.01	-0.70
	59	-540.0	814.2	-30.5	0.00	-0.06	-0.65
40	83	-3143.8	-340.2	23.0	-0.00	0.01	-0.66
	59	3036.1	788.7	-23.0	0.00	-0.06	-0.63
41	83	3959.7	-401.2	36.1	-0.00	-0.04	-0.73
	59	-4067.4	849.8	-36.1	0.00	-0.05	-0.70
42	83	973.6	-1846.8	47.7	-0.01	-0.02	-2.51
	59	-1081.2	2295.3	-47.7	0.01	-0.09	-2.23
43	83	1535.6	-1920.5	72.7	-0.00	-0.04	-2.48
	59	-1643.3	2369.1	-72.7	0.00	-0.14	-2.43
44	83	2573.3	-1937.5	136.9	-0.01	-0.08	-2.46
	59	-2681.0	2386.1	-136.9	0.01	-0.24	-2.48
45	83	-431.7	-1843.0	-42.1	-0.00	0.04	-2.52
	59	324.1	2291.6	42.1	0.00	0.05	-2.22
46	83	-1080.2	-1793.7	-76.4	-0.00	0.07	-2.54
	59	972.6	2242.2	76.4	0.00	0.11	-2.08
47	83	-626.2	-1756.0	-41.5	-0.01	0.04	-2.55
	59	518.5	2204.5	41.5	0.01	0.06	-1.99
48	83	411.6	-1773.0	22.6	-0.01	-0.01	-2.53
	59	-519.2	2221.6	-22.6	0.01	-0.04	-2.04
49	83	3027.4	-1899.8	171.8	-0.01	-0.11	-2.47

	59	-3135.0	2348.4	-171.8	0.01	-0.29	-2.38
50	83	2378.9	-1850.5	137.5	-0.01	-0.09	-2.49
	59	-2486.5	2299.0	-137.5	0.01	-0.23	-2.25
51	83	857.8	-430.7	49.6	-0.00	-0.03	-0.67
	59	-965.4	879.2	-49.6	0.00	-0.09	-0.83
52	83	1689.0	-444.4	101.1	-0.00	-0.06	-0.66
	59	-1796.6	893.0	-101.1	0.00	-0.17	-0.87
53	83	-717.7	-367.8	-42.6	0.00	0.04	-0.71
	59	610.1	816.4	42.6	-0.00	0.06	-0.65
54	83	-1237.0	-327.7	-70.1	-0.00	0.06	-0.72
	59	1129.3	776.3	70.1	0.00	0.11	-0.55
55	83	-873.0	-297.0	-42.1	-0.00	0.04	-0.73
	59	765.4	745.5	42.1	0.00	0.07	-0.47
56	83	-41.8	-310.7	9.4	-0.01	-0.00	-0.72
	59	-65.8	759.3	-9.4	0.01	-0.01	-0.51
57	83	2052.9	-413.6	129.1	-0.01	-0.09	-0.66
	59	-2160.6	862.2	-129.1	0.01	-0.21	-0.79
58	83	1533.7	-373.5	101.6	-0.01	-0.07	-0.68
	59	-1641.4	822.1	-101.6	0.01	-0.16	-0.68
1	55	-195.0	812.7	-42.8	-0.00	0.06	0.87
	31	111.7	-465.4	42.8	0.00	0.00	-0.00
2	55	-521.2	2171.5	-67.0	-0.00	0.09	2.72
	31	437.8	-1824.3	67.0	0.00	0.00	-0.00
3	55	-521.2	2171.5	311.1	-0.00	-0.42	2.72
	31	437.8	-1824.3	-311.1	0.00	-0.00	-0.00
4	55	-521.2	2861.4	339.5	-0.00	-0.46	3.66
	31	437.8	-2514.1	-339.5	0.00	-0.00	-0.00
5	55	-521.2	2171.5	278.8	-0.00	-0.38	2.72
	31	437.8	-1824.3	-278.8	0.00	-0.00	-0.00
6	55	-521.2	1654.2	257.2	-0.00	-0.35	2.02
	31	437.8	-1306.9	-257.2	0.00	-0.00	-0.00
7	55	-521.2	2171.5	-408.2	0.00	0.56	2.72
	31	437.8	-1824.3	408.2	-0.00	0.00	-0.00
8	55	-521.2	2861.4	-379.8	0.00	0.52	3.66
	31	437.8	-2514.1	379.8	-0.00	0.00	-0.00
9	55	-521.2	2171.5	-440.5	0.00	0.60	2.72
	31	437.8	-1824.3	440.5	-0.00	0.00	-0.00
10	55	-521.2	1654.2	-462.1	0.00	0.63	2.02
	31	437.8	-1306.9	462.1	-0.00	0.00	-0.00
11	55	-358.1	1492.1	335.4	-0.00	-0.46	1.80
	31	274.8	-1144.8	-335.4	0.00	-0.00	-0.00
12	55	-358.1	1492.1	-383.9	0.00	0.52	1.80
	31	274.8	-1144.8	383.9	-0.00	0.00	-0.00
13	55	-358.1	2641.8	382.8	-0.00	-0.52	3.36
	31	274.8	-2294.6	-382.8	0.00	-0.00	0.00
14	55	-358.1	2641.8	-336.5	0.00	0.46	3.36
	31	274.8	-2294.6	336.5	-0.00	0.00	0.00
15	55	-358.1	1492.1	281.6	-0.00	-0.38	1.80
	31	274.8	-1144.8	-281.6	0.00	-0.00	-0.00
16	55	-358.1	1492.1	-437.7	0.00	0.60	1.80
	31	274.8	-1144.8	437.7	-0.00	0.00	-0.00
17	55	-358.1	629.8	245.7	-0.00	-0.33	0.62
	31	274.8	-282.5	-245.7	0.00	-0.00	-0.00
18	55	-358.1	629.8	-473.6	0.00	0.65	0.62
	31	274.8	-282.5	473.6	-0.00	0.00	-0.00

	55	-358.1	1492.1	563.0	-0.00	-0.77	1.80
	31	274.8	-1144.8	-563.0	0.00	-0.00	-0.00
20	55	-358.1	1492.1	-635.9	0.00	0.87	1.80
	31	274.8	-1144.8	635.9	-0.00	0.00	-0.00
21	55	-358.1	2181.9	591.4	-0.00	-0.81	2.74
	31	274.8	-1834.7	-591.4	0.00	-0.00	-0.00
22	55	-358.1	2181.9	-607.5	0.00	0.83	2.74
	31	274.8	-1834.7	607.5	-0.00	0.00	0.00
23	55	-358.1	1492.1	530.7	-0.00	-0.72	1.80
	31	274.8	-1144.8	-530.7	0.00	-0.00	-0.00
24	55	-358.1	1492.1	-668.2	0.00	0.91	1.80
	31	274.8	-1144.8	668.2	-0.00	0.00	-0.00
25	55	-358.1	974.7	509.1	-0.00	-0.69	1.09
	31	274.8	-627.5	-509.1	0.00	-0.00	-0.00
26	55	-358.1	974.7	-689.8	0.00	0.94	1.09
	31	274.8	-627.5	689.8	-0.00	0.00	-0.00
27	55	-413.5	1513.6	-109.8	-0.00	0.15	1.88
	31	349.4	-1246.5	109.8	0.00	-0.00	-0.00
28	55	-334.7	1504.0	-49.8	-0.00	0.07	1.87
	31	270.6	-1236.9	49.8	0.00	-0.00	-0.00
29	55	-495.5	1518.0	-157.8	0.00	0.21	1.89
	31	431.4	-1250.9	157.8	-0.00	-0.00	-0.00
30	55	-355.5	1496.3	-39.0	0.00	0.05	1.86
	31	291.4	-1229.2	39.0	0.00	0.00	-0.00
31	55	-384.9	1494.3	-47.0	0.00	0.06	1.86
	31	320.8	-1227.2	47.0	-0.00	0.00	-0.00
32	55	-306.1	1484.8	13.0	0.00	-0.02	1.84
	31	242.0	-1217.6	-13.0	-0.00	0.00	-0.00
33	55	-232.7	1486.1	42.2	-0.00	-0.06	1.84
	31	168.5	-1219.0	-42.2	0.00	-0.00	0.00
34	55	-224.1	1480.3	61.0	-0.00	-0.08	1.84
	31	160.0	-1213.2	-61.0	0.00	-0.00	0.00
35	55	-251.1	1046.2	-40.3	-0.00	0.05	1.24
	31	187.0	-779.1	40.3	0.00	0.00	-0.00
36	55	-142.4	593.3	-20.0	0.00	0.03	0.63
	31	78.3	-326.1	20.0	0.00	0.00	-0.00
37	55	-142.4	1053.2	-1.0	-0.00	0.00	1.25
	31	78.3	-786.0	1.0	0.00	0.00	0.00
38	55	-142.4	593.3	-41.5	-0.00	0.06	0.63
	31	78.3	-326.1	41.5	0.00	0.00	0.00
39	55	-142.4	248.4	-55.9	-0.00	0.08	0.16
	31	78.3	18.8	55.9	0.00	0.00	-0.00
40	55	-142.4	593.3	207.5	-0.00	-0.28	0.63
	31	78.3	-326.1	-207.5	0.00	-0.00	-0.00
41	55	-142.4	593.3	-272.0	0.00	0.37	0.63
	31	78.3	-326.1	272.0	-0.00	0.00	0.00
42	55	-359.8	1499.2	-48.4	-0.00	0.07	1.86
	31	295.7	-1232.1	48.4	0.00	0.00	-0.00
43	55	-409.7	1513.6	-103.5	0.00	0.14	1.88
	31	345.6	-1246.5	103.5	0.00	-0.00	-0.00
44	55	-337.2	1504.6	-50.1	-0.00	0.07	1.87
	31	273.1	-1237.4	50.1	0.00	-0.00	-0.00
45	55	-484.7	1517.2	-146.0	0.00	0.20	1.89
	31	420.6	-1250.1	146.0	-0.00	-0.00	-0.00
46	55	-476.5	1511.3	-128.9	0.00	0.18	1.88
	31	412.4	-1244.1	128.9	-0.00	0.00	-0.00

	55	-382.4	1493.8	-46.7	0.00	0.06	1.85
	31	318.3	-1226.7	46.7	-0.00	0.00	-0.00
48	55	-309.9	1484.8	6.7	-0.00	-0.01	1.84
	31	245.8	-1217.7	-6.7	-0.00	0.00	-0.00
49	55	-243.1	1487.1	32.1	-0.00	-0.04	1.84
	31	179.0	-1220.0	-32.1	0.00	0.00	0.00
50	55	-234.9	1481.2	49.2	-0.00	-0.07	1.84
	31	170.8	-1214.1	-49.2	0.00	0.00	0.00
51	55	-183.0	605.0	-76.9	-0.00	0.10	0.64
	31	118.9	-337.9	76.9	0.00	-0.00	0.00
52	55	-124.0	597.7	-33.5	-0.00	0.05	0.63
	31	59.9	-330.6	33.5	0.00	-0.00	0.00
53	55	-244.0	607.9	-111.5	0.00	0.15	0.65
	31	179.9	-340.8	111.5	-0.00	0.00	-0.00
54	55	-237.4	603.1	-97.7	0.00	0.13	0.64
	31	173.2	-336.0	97.7	-0.00	0.00	-0.00
55	55	-160.8	588.8	-31.0	0.00	0.04	0.62
	31	96.6	-321.7	31.0	-0.00	0.00	-0.00
56	55	-101.8	581.5	12.5	0.00	-0.02	0.61
	31	37.7	-314.4	-12.5	-0.00	0.00	-0.00
57	55	-47.4	583.5	33.3	-0.00	-0.05	0.61
	31	-16.7	-316.3	-33.3	0.00	0.00	0.00
58	55	-40.7	578.6	47.1	-0.00	-0.06	0.61
	31	-23.4	-311.5	-47.1	0.00	0.00	0.00
1	56	-195.2	813.4	3.1	0.00	-0.00	0.87
	32	111.9	-466.1	-3.1	-0.00	-0.00	-0.00
2	56	-521.9	2174.4	24.2	0.00	-0.03	2.73
	32	438.5	-1827.2	-24.2	0.00	-0.00	-0.00
3	56	-521.9	2174.4	381.6	-0.00	-0.52	2.73
	32	438.5	-1827.2	-381.6	0.00	-0.00	-0.00
4	56	-521.9	2865.4	358.6	-0.00	-0.49	3.67
	32	438.5	-2518.1	-358.6	0.00	-0.00	-0.00
5	56	-521.9	2174.4	347.6	-0.00	-0.47	2.73
	32	438.5	-1827.2	-347.6	0.00	-0.00	-0.00
6	56	-521.9	1656.2	364.3	-0.00	-0.50	2.02
	32	438.5	-1309.0	-364.3	0.00	-0.00	-0.00
7	56	-521.9	2174.4	-294.5	0.00	0.40	2.73
	32	438.5	-1827.2	294.5	-0.00	0.00	-0.00
8	56	-521.9	2865.4	-317.5	0.00	0.43	3.67
	32	438.5	-2518.1	317.5	-0.00	0.00	-0.00
9	56	-521.9	2174.4	-328.5	0.00	0.45	2.73
	32	438.5	-1827.2	328.5	-0.00	0.00	-0.00
10	56	-521.9	1656.2	-311.8	0.00	0.42	2.02
	32	438.5	-1309.0	311.8	-0.00	0.00	-0.00
11	56	-358.5	1493.9	383.9	-0.00	-0.52	1.80
	32	275.2	-1146.7	-383.9	0.00	-0.00	-0.00
12	56	-358.5	1493.9	-292.2	0.00	0.40	1.80
	32	275.2	-1146.7	292.2	-0.00	0.00	-0.00
13	56	-358.5	2645.5	345.6	-0.00	-0.47	3.37
	32	275.2	-2298.2	-345.6	0.00	-0.00	-0.00
14	56	-358.5	2645.5	-330.5	0.00	0.45	3.37
	32	275.2	-2298.2	330.5	-0.00	0.00	-0.00
15	56	-358.5	1493.9	327.3	-0.00	-0.45	1.80
	32	275.2	-1146.7	-327.3	0.00	-0.00	-0.00
16	56	-358.5	1493.9	-348.8	0.00	0.48	1.80

	32	275.2	-1146.7	348.8	-0.00	0.00	-0.00
17	56	-358.5	630.3	355.2	-0.00	-0.48	0.62
	32	275.2	-283.0	-355.2	0.00	-0.00	-0.00
18	56	-358.5	630.3	-320.9	0.00	0.44	0.62
	32	275.2	-283.0	320.9	-0.00	0.00	-0.00
19	56	-358.5	1493.9	596.4	-0.00	-0.81	1.80
	32	275.2	-1146.7	-596.4	0.00	-0.00	-0.00
20	56	-358.5	1493.9	-530.4	0.00	0.72	1.80
	32	275.2	-1146.7	530.4	-0.00	0.00	-0.00
21	56	-358.5	2184.9	573.4	-0.00	-0.78	2.74
	32	275.2	-1837.6	-573.4	0.00	-0.00	-0.00
22	56	-358.5	2184.9	-553.4	0.00	0.75	2.74
	32	275.2	-1837.6	553.4	-0.00	0.00	-0.00
23	56	-358.5	1493.9	562.4	-0.00	-0.77	1.80
	32	275.2	-1146.7	-562.4	0.00	-0.00	-0.00
24	56	-358.5	1493.9	-564.4	0.00	0.77	1.80
	32	275.2	-1146.7	564.4	-0.00	0.00	-0.00
25	56	-358.5	975.7	579.2	-0.00	-0.79	1.09
	32	275.2	-628.5	-579.2	0.00	-0.00	-0.00
26	56	-358.5	975.7	-547.7	0.00	0.75	1.09
	32	275.2	-628.5	547.7	-0.00	0.00	-0.00
27	56	-419.4	1502.0	0.9	0.00	-0.00	1.87
	32	355.3	-1234.8	-0.9	0.00	-0.00	-0.00
28	56	-328.3	1494.9	-35.8	0.00	0.05	1.86
	32	264.2	-1227.8	35.8	0.00	-0.00	-0.00
29	56	-516.2	1512.1	67.0	-0.00	-0.09	1.88
	32	452.1	-1245.0	-67.0	0.00	-0.00	-0.00
30	56	-356.2	1502.0	25.9	0.00	-0.04	1.87
	32	292.1	-1234.9	-25.9	0.00	0.00	-0.00
31	56	-392.3	1507.4	67.6	0.00	-0.09	1.87
	32	328.2	-1240.3	-67.6	0.00	0.00	-0.00
32	56	-301.2	1500.4	30.9	0.00	-0.04	1.86
	32	237.1	-1233.2	-30.9	0.00	0.00	-0.00
33	56	-212.5	1488.5	-55.3	0.00	0.08	1.85
	32	148.4	-1221.4	55.3	-0.00	0.00	-0.00
34	56	-204.4	1490.2	-35.2	0.00	0.05	1.85
	32	140.3	-1223.1	35.2	-0.00	0.00	-0.00
35	56	-251.4	1047.5	8.8	0.00	-0.01	1.25
	32	187.3	-780.4	-8.8	-0.00	-0.00	-0.00
36	56	-142.5	593.8	14.7	0.00	-0.02	0.63
	32	78.4	-326.7	-14.7	-0.00	0.00	-0.00
37	56	-142.5	1054.4	-0.6	-0.00	0.00	1.26
	32	78.4	-787.3	0.6	0.00	-0.00	-0.00
38	56	-142.5	593.8	-8.0	-0.00	0.01	0.63
	32	78.4	-326.7	8.0	-0.00	-0.00	-0.00
39	56	-142.5	248.3	3.2	0.00	-0.00	0.16
	32	78.4	18.8	-3.2	-0.00	-0.00	-0.00
40	56	-142.5	593.8	227.2	-0.00	-0.31	0.63
	32	78.4	-326.7	-227.2	0.00	-0.00	-0.00
41	56	-142.5	593.8	-223.5	0.00	0.30	0.63
	32	78.4	-326.7	223.5	-0.00	0.00	-0.00
42	56	-360.3	1501.2	15.9	0.00	-0.02	1.87
	32	296.2	-1234.0	-15.9	0.00	-0.00	-0.00
43	56	-414.6	1506.9	1.2	-0.00	-0.00	1.87
	32	350.4	-1239.8	-1.2	0.00	-0.00	-0.00
44	56	-331.2	1500.6	-32.8	-0.00	0.04	1.86

	32	267.1	-1233.4	32.8	0.00	-0.00	-0.00
45	56	-502.9	1512.5	63.1	-0.00	-0.09	1.88
	32	438.8	-1245.3	-63.1	0.00	-0.00	-0.00
46	56	-495.4	1510.9	82.1	-0.00	-0.11	1.88
	32	431.2	-1243.8	-82.1	0.00	-0.00	-0.00
47	56	-389.3	1501.7	64.6	-0.00	-0.09	1.87
	32	325.2	-1234.6	-64.6	-0.00	0.00	-0.00
48	56	-306.0	1495.4	30.5	0.00	-0.04	1.86
	32	241.9	-1228.3	-30.5	-0.00	0.00	-0.00
49	56	-225.2	1491.4	-50.4	0.00	0.07	1.85
	32	161.1	-1224.3	50.4	-0.00	0.00	-0.00
50	56	-217.6	1489.9	-31.4	0.00	0.04	1.85
	32	153.5	-1222.7	31.4	-0.00	0.00	-0.00
51	56	-186.7	598.5	-10.0	0.00	0.01	0.63
	32	122.6	-331.3	10.0	0.00	-0.00	-0.00
52	56	-118.9	593.3	-37.6	0.00	0.05	0.63
	32	54.8	-326.2	37.6	0.00	-0.00	-0.00
53	56	-258.6	603.0	40.0	-0.00	-0.05	0.64
	32	194.5	-335.8	-40.0	0.00	-0.00	-0.00
54	56	-252.5	601.7	55.4	-0.00	-0.08	0.64
	32	188.4	-334.6	-55.4	0.00	-0.00	-0.00
55	56	-166.1	594.3	41.2	-0.00	-0.06	0.63
	32	102.0	-327.1	-41.2	-0.00	-0.00	-0.00
56	56	-98.3	589.1	13.7	-0.00	-0.02	0.62
	32	34.2	-322.0	-13.7	-0.00	0.00	-0.00
57	56	-32.6	585.9	-51.8	0.00	0.07	0.62
	32	-31.6	-318.8	51.8	-0.00	0.00	0.00
58	56	-26.4	584.6	-36.4	0.00	0.05	0.61
	32	-37.7	-317.5	36.4	-0.00	0.00	0.00
1	54	-183.4	764.3	-8.2	-0.00	0.01	0.80
	29	100.1	-417.0	8.2	0.00	0.00	0.00
2	54	-475.6	1981.8	23.3	-0.00	-0.03	2.45
	29	392.3	-1634.5	-23.3	0.00	-0.00	0.01
3	54	-475.6	1981.8	19.0	-0.00	-0.03	2.45
	29	392.3	-1634.5	-19.0	0.00	0.00	0.01
4	54	-475.6	2599.9	67.2	-0.00	-0.09	3.28
	29	392.3	-2252.6	-67.2	0.00	-0.00	0.02
5	54	-475.6	1981.8	-22.6	-0.00	0.03	2.44
	29	392.3	-1634.5	22.6	0.00	0.00	0.02
6	54	-475.6	1518.2	-45.3	-0.00	0.06	1.82
	29	392.3	-1171.0	45.3	0.00	-0.00	0.01
7	54	-475.6	1981.8	75.0	0.00	-0.10	2.46
	29	392.3	-1634.5	-75.0	0.00	0.00	0.00
8	54	-475.6	2599.9	123.1	0.00	-0.17	3.29
	29	392.3	-2252.6	-123.1	0.00	-0.00	0.01
9	54	-475.6	1981.8	33.3	0.00	-0.05	2.46
	29	392.3	-1634.5	-33.3	-0.00	0.00	0.01
10	54	-475.6	1518.2	10.6	0.00	-0.01	1.83
	29	392.3	-1171.0	-10.6	-0.00	-0.00	-0.00
11	54	-329.5	1373.0	19.1	-0.00	-0.03	1.63
	29	246.2	-1025.8	-19.1	0.00	0.00	0.01
12	54	-329.5	1373.0	75.0	0.00	-0.10	1.64
	29	246.2	-1025.8	-75.0	0.00	0.00	-0.00
13	54	-329.5	2403.2	99.4	-0.00	-0.14	3.01
	29	246.2	-2055.9	-99.4	0.00	-0.00	0.02

	54	-329.5	2403.2	155.3	0.00	-0.21	3.03
	29	246.2	-2055.9	-155.3	0.00	-0.00	0.01
15	54	-329.5	1373.0	-50.3	-0.00	0.07	1.62
	29	246.2	-1025.8	50.3	0.00	0.00	0.02
16	54	-329.5	1373.0	5.6	0.00	-0.01	1.63
	29	246.2	-1025.8	-5.6	-0.00	0.00	0.00
17	54	-329.5	600.4	-88.2	-0.00	0.12	0.58
	29	246.2	-253.2	88.2	0.00	-0.00	0.00
18	54	-329.5	600.4	-32.3	0.00	0.04	0.59
	29	246.2	-253.2	32.3	-0.00	-0.00	-0.01
19	54	-329.5	1373.0	-15.3	-0.00	0.02	1.62
	29	246.2	-1025.8	15.3	0.00	0.00	0.01
20	54	-329.5	1373.0	77.8	0.00	-0.11	1.64
	29	246.2	-1025.8	-77.8	0.00	0.00	-0.01
21	54	-329.5	1991.1	32.8	-0.00	-0.04	2.45
	29	246.2	-1643.9	-32.8	0.00	-0.00	0.02
22	54	-329.5	1991.1	126.0	0.00	-0.17	2.47
	29	246.2	-1643.9	-126.0	-0.00	-0.00	0.00
23	54	-329.5	1373.0	-57.0	-0.00	0.08	1.61
	29	246.2	-1025.8	57.0	0.00	0.00	0.02
24	54	-329.5	1373.0	36.2	0.00	-0.05	1.64
	29	246.2	-1025.8	-36.2	-0.00	0.00	-0.00
25	54	-329.5	909.5	-79.7	-0.00	0.11	0.99
	29	246.2	-562.2	79.7	0.00	-0.00	0.01
26	54	-329.5	909.5	13.5	0.00	-0.02	1.01
	29	246.2	-562.2	-13.5	-0.00	-0.00	-0.01
27	54	-336.5	1371.9	3.6	0.00	-0.00	1.68
	29	272.4	-1104.8	-3.6	-0.00	-0.00	0.01
28	54	-286.8	1362.6	-85.1	0.00	0.12	1.67
	29	222.7	-1095.5	85.1	-0.00	-0.00	0.01
29	54	-406.7	1385.4	147.0	0.00	-0.20	1.70
	29	342.6	-1118.3	-147.0	0.00	-0.00	0.01
30	54	-334.3	1372.2	33.5	-0.00	-0.05	1.68
	29	270.2	-1105.1	-33.5	0.00	0.00	0.01
31	54	-371.3	1379.5	117.8	-0.00	-0.16	1.69
	29	307.2	-1112.3	-117.8	0.00	0.00	0.01
32	54	-321.6	1370.2	29.1	-0.00	-0.04	1.68
	29	257.5	-1103.1	-29.1	0.00	0.00	0.01
33	54	-241.0	1354.4	-148.5	-0.00	0.20	1.66
	29	176.9	-1087.3	148.5	-0.00	0.00	0.01
34	54	-251.4	1356.7	-114.3	-0.00	0.16	1.66
	29	187.3	-1089.6	114.3	-0.00	0.00	0.01
35	54	-231.6	965.2	5.8	-0.00	-0.01	1.13
	29	167.5	-698.1	-5.8	0.00	-0.00	0.00
36	54	-134.2	559.3	11.2	-0.00	-0.02	0.58
	29	70.1	-292.2	-11.2	0.00	0.00	0.00
37	54	-134.2	971.4	43.3	0.00	-0.06	1.14
	29	70.1	-704.3	-43.3	0.00	-0.00	0.01
38	54	-134.2	559.3	-16.6	-0.00	0.02	0.58
	29	70.1	-292.2	16.6	-0.00	0.00	0.00
39	54	-134.2	250.3	-31.8	-0.00	0.04	0.16
	29	70.1	16.8	31.8	0.00	-0.00	-0.00
40	54	-134.2	559.3	-23.3	-0.00	0.03	0.57
	29	70.1	-292.2	23.3	0.00	0.00	0.01
41	54	-134.2	559.3	14.0	0.00	-0.02	0.58
	29	70.1	-292.2	-14.0	-0.00	0.00	-0.00

	54	-329.1	1371.0	16.3	-0.00	-0.02	1.68
	29	264.9	-1103.9	-16.3	0.00	-0.00	0.01
43	54	-335.1	1371.5	4.9	0.00	-0.01	1.68
	29	271.0	-1104.3	-4.9	-0.00	-0.00	0.01
44	54	-287.7	1362.8	-85.1	0.00	0.12	1.67
	29	223.6	-1095.7	85.1	-0.00	-0.00	0.01
45	54	-402.8	1384.3	149.4	0.00	-0.20	1.70
	29	338.7	-1117.1	-149.4	-0.00	-0.00	0.01
46	54	-413.3	1386.6	183.3	-0.00	-0.25	1.70
	29	349.2	-1119.5	-183.3	0.00	0.00	0.01
47	54	-370.4	1379.3	117.8	-0.00	-0.16	1.69
	29	306.3	-1112.2	-117.8	0.00	0.00	0.01
48	54	-323.0	1370.6	27.8	-0.00	-0.04	1.68
	29	258.9	-1103.5	-27.8	0.00	0.00	0.01
49	54	-244.8	1355.5	-150.6	-0.00	0.21	1.66
	29	180.7	-1088.4	150.6	0.00	0.00	0.01
50	54	-255.3	1357.8	-116.7	-0.00	0.16	1.66
	29	191.2	-1090.7	116.7	0.00	0.00	0.01
51	54	-139.1	559.7	-14.0	-0.00	0.02	0.58
	29	75.0	-292.6	14.0	-0.00	-0.00	0.00
52	54	-100.7	552.7	-86.6	-0.00	0.12	0.57
	29	36.6	-285.6	86.6	-0.00	-0.00	0.00
53	54	-194.0	570.1	102.6	-0.00	-0.14	0.59
	29	129.9	-303.0	-102.6	-0.00	0.00	0.00
54	54	-202.6	572.0	130.0	-0.00	-0.18	0.60
	29	138.5	-304.9	-130.0	-0.00	0.00	0.00
55	54	-167.8	566.0	77.3	-0.00	-0.11	0.59
	29	103.7	-298.9	-77.3	0.00	0.00	0.00
56	54	-129.3	559.0	4.7	-0.00	-0.01	0.58
	29	65.2	-291.9	-4.7	0.00	0.00	0.00
57	54	-65.9	546.7	-139.2	0.00	0.19	0.56
	29	1.8	-279.6	139.2	0.00	0.00	0.00
58	54	-74.5	548.6	-111.9	0.00	0.15	0.56
	29	10.4	-281.5	111.9	0.00	0.00	0.00
1	49	-386.4	2170.8	-3.8	-0.00	0.01	2.69
	28	108.4	-485.6	3.8	0.00	0.00	-0.01
2	49	-1073.9	4806.9	5.6	0.00	-0.01	7.06
	28	592.2	-1886.9	-5.6	-0.00	-0.00	-0.03
3	49	-5125.4	4849.2	253.3	-0.00	-0.46	6.95
	28	4644.6	-1624.7	-205.5	0.00	0.00	-0.04
4	49	-5120.3	4748.5	284.7	0.01	-0.59	6.76
	28	4638.6	-1523.9	-337.0	-0.01	-0.00	-0.04
5	49	-4999.3	3626.4	292.8	0.01	-0.59	4.91
	28	4516.8	-934.6	-328.7	-0.01	-0.00	-0.03
6	49	-5017.0	3699.5	267.7	-0.00	-0.50	5.05
	28	4535.3	-1007.9	-228.4	0.00	0.00	-0.03
7	49	2834.6	6162.3	-285.8	-0.01	0.59	9.50
	28	-3315.3	-2937.9	333.6	0.01	0.00	-0.02
8	49	2839.6	6061.7	-254.4	0.00	0.46	9.31
	28	-3321.4	-2837.1	202.1	-0.00	-0.00	-0.02
9	49	2960.7	4939.5	-246.3	0.00	0.46	7.46
	28	-3443.1	-2247.8	210.4	-0.00	-0.00	-0.02
10	49	2942.9	5012.7	-271.4	-0.01	0.55	7.60
	28	-3424.6	-2321.1	310.7	0.01	0.00	-0.02
11	49	-4829.3	3997.0	234.1	-0.01	-0.41	5.55

	28	4451.1	-1187.0	-154.4	0.01	0.00	-0.03
12	49	3130.6	5310.2	-305.0	-0.02	0.65	8.10
	28	-3508.9	-2500.1	384.7	0.02	0.00	-0.01
13	49	-4820.9	3829.2	286.3	0.02	-0.61	5.22
	28	4441.0	-1019.0	-373.6	-0.02	-0.00	-0.03
14	49	3139.1	5142.4	-252.8	0.01	0.44	7.77
	28	-3519.0	-2332.2	165.5	-0.01	-0.00	-0.01
15	49	-4619.2	1959.0	299.9	0.01	-0.62	2.14
	28	4238.1	-36.9	-359.6	-0.01	-0.00	-0.02
16	49	3340.8	3272.2	-239.2	0.01	0.43	4.69
	28	-3721.8	-1350.1	179.5	-0.01	-0.00	-0.01
17	49	-4648.8	2081.0	257.9	-0.00	-0.46	2.38
	28	4268.9	-159.1	-192.4	0.00	0.00	-0.02
18	49	3311.2	3394.1	-281.2	-0.01	0.59	4.93
	28	-3691.0	-1472.2	346.7	0.01	0.00	-0.00
19	49	-7434.9	3093.4	428.3	-0.00	-0.81	3.92
	28	7056.1	-486.3	-380.5	0.00	0.00	-0.03
20	49	5831.6	5282.0	-470.2	-0.01	0.95	8.17
	28	-6210.5	-2674.9	518.0	0.01	0.00	-0.01
21	49	-7429.9	2992.7	459.6	0.01	-0.93	3.73
	28	7050.0	-385.5	-512.0	-0.01	-0.00	-0.03
22	49	5836.7	5181.4	-438.9	0.00	0.82	7.97
	28	-6216.6	-2574.2	386.5	-0.00	-0.00	-0.01
23	49	-7308.9	1870.6	467.8	0.01	-0.94	1.88
	28	6928.3	203.7	-503.7	-0.01	-0.00	-0.03
24	49	5957.7	4059.2	-430.7	-0.00	0.82	6.12
	28	-6338.3	-1984.9	394.8	0.00	0.00	-0.00
25	49	-7326.6	1943.8	442.6	0.00	-0.84	2.02
	28	6946.8	130.4	-403.4	-0.00	-0.00	-0.03
26	49	5939.9	4132.4	-455.9	-0.01	0.91	6.27
	28	-6319.8	-2058.2	495.2	0.01	0.00	-0.00
27	49	-2374.9	3141.1	-68.5	-0.00	0.13	4.44
	28	2030.0	-1050.5	68.5	0.00	0.00	-0.02
28	49	-1642.1	3229.8	-330.7	-0.00	0.65	4.62
	28	1297.2	-1139.1	330.7	0.00	0.00	-0.02
29	49	-2343.3	3163.4	379.9	0.00	-0.74	4.48
	28	1998.4	-1072.8	-379.9	-0.00	-0.00	-0.02
30	49	-362.0	3419.0	65.1	0.00	-0.13	4.98
	28	17.1	-1328.4	-65.1	-0.00	-0.00	-0.02
31	49	158.1	3500.5	338.7	0.00	-0.66	5.14
	28	-503.0	-1409.9	-338.7	-0.00	-0.00	-0.02
32	49	891.0	3589.1	76.5	0.00	-0.15	5.32
	28	-1235.9	-1498.5	-76.5	-0.00	-0.00	-0.01
33	49	99.5	3459.0	-494.0	-0.00	0.97	5.06
	28	-444.4	-1368.4	494.0	0.00	0.00	-0.02
34	49	859.4	3566.8	-371.8	-0.00	0.73	5.27
	28	-1204.3	-1476.2	371.8	0.00	0.00	-0.01
35	49	-512.8	2486.4	0.9	-0.00	-0.00	3.42
	28	235.8	-807.4	-0.9	0.00	0.00	-0.01
36	49	-331.3	2073.6	-16.8	-0.01	0.05	2.75
	28	122.9	-603.2	48.7	0.01	0.00	-0.01
37	49	-328.0	2006.5	4.0	0.00	-0.03	2.62
	28	118.9	-536.0	-39.0	-0.00	-0.00	-0.01
38	49	-247.3	1258.4	9.5	0.00	-0.03	1.38
	28	37.7	-143.2	-33.4	-0.00	-0.00	-0.00
39	49	-259.1	1307.2	-7.3	-0.00	0.03	1.48

	28	50.0	-192.1	33.5	0.00	0.00	-0.00
40	49	-2937.0	1170.0	177.4	0.00	-0.35	1.12
	28	2727.9	97.4	-177.4	-0.00	-0.00	-0.01
41	49	2369.6	2045.4	-182.0	-0.00	0.35	2.82
	28	-2578.7	-778.0	182.0	0.00	0.00	0.00
42	49	-742.0	3365.1	4.0	0.00	-0.01	4.88
	28	397.1	-1274.5	-4.0	-0.00	-0.00	-0.02
43	49	-2423.1	3134.6	-70.9	-0.00	0.14	4.43
	28	2078.2	-1044.0	70.9	0.00	0.00	-0.02
44	49	-1665.2	3225.8	-345.1	-0.00	0.67	4.61
	28	1320.4	-1135.2	345.1	0.00	0.00	-0.02
45	49	-2395.7	3157.6	397.5	0.00	-0.78	4.47
	28	2050.8	-1067.0	-397.5	-0.00	-0.00	-0.02
46	49	-1614.4	3268.6	524.8	0.00	-1.03	4.69
	28	1269.5	-1177.9	-524.8	-0.00	-0.00	-0.02
47	49	181.3	3504.4	353.2	0.00	-0.69	5.15
	28	-526.2	-1413.8	-353.2	-0.00	-0.00	-0.02
48	49	939.1	3595.7	78.9	0.00	-0.15	5.33
	28	-1284.0	-1505.0	-78.9	-0.00	-0.00	-0.01
49	49	130.4	3461.7	-516.7	-0.00	1.01	5.07
	28	-475.3	-1371.0	516.7	0.00	0.00	-0.02
50	49	911.8	3572.6	-389.5	-0.00	0.76	5.29
	28	-1256.7	-1482.0	389.5	0.00	0.00	-0.01
51	49	-1657.5	1419.3	-61.5	-0.00	0.12	1.60
	28	1448.4	-151.9	61.5	0.00	0.00	-0.01
52	49	-1041.7	1493.6	-281.5	-0.00	0.55	1.75
	28	832.6	-226.2	281.5	0.00	0.00	-0.01
53	49	-1629.8	1438.6	313.7	0.00	-0.61	1.64
	28	1420.8	-171.2	-313.7	-0.00	-0.00	-0.01
54	49	-990.3	1529.3	415.2	0.00	-0.81	1.81
	28	781.2	-261.9	-415.2	-0.00	-0.00	-0.01
55	49	474.4	1721.8	277.0	0.00	-0.54	2.19
	28	-683.4	-454.4	-277.0	-0.00	-0.00	-0.00
56	49	1090.2	1796.1	56.9	0.00	-0.11	2.34
	28	-1299.3	-528.7	-56.9	-0.00	-0.00	-0.00
57	49	422.9	1686.1	-419.8	-0.00	0.82	2.12
	28	-632.0	-418.7	419.8	0.00	0.00	-0.00
58	49	1062.5	1776.9	-318.3	-0.00	0.62	2.30
	28	-1271.6	-509.5	318.3	0.00	0.00	-0.00
1	82	1039.0	522.6	473.2	-0.31	-0.56	-4.54
	49	-2774.5	6708.7	-473.2	0.31	-0.53	-2.54
2	82	1686.8	-1594.9	827.8	-0.63	-0.88	-7.79
	49	-3422.3	8826.2	-827.8	0.63	-1.02	-4.13
3	82	16272.1	-112.2	442.3	-0.79	-0.51	-7.96
	49	-18007.6	7343.5	-442.3	0.79	-0.50	-0.57
4	82	19531.5	392.2	719.0	-0.96	-0.64	-6.13
	49	-21267.0	6839.0	-719.0	0.96	-1.00	-1.25
5	82	22668.3	705.7	573.3	-0.67	-0.39	-5.11
	49	-24403.8	6525.5	-573.3	0.67	-0.92	-1.54
6	82	20261.7	457.8	369.9	-0.52	-0.30	-6.47
	49	-21997.2	6773.5	-369.9	0.52	-0.55	-0.76
7	82	-19639.3	-4072.3	1066.0	-0.60	-1.39	-10.90
	49	17903.8	11303.6	-1066.0	0.60	-1.05	-6.69
8	82	-16379.8	-3567.8	1342.8	-0.78	-1.52	-9.06
	49	14644.3	10799.1	-1342.8	0.78	-1.55	-7.37

	82	-13243.0	-3254.3	1197.1	-0.49	-1.27	-8.05
	49	11507.5	10485.6	-1197.1	0.49	-1.47	-7.67
10	82	-15649.6	-3502.3	993.6	-0.34	-1.18	-9.40
	49	13914.1	10733.5	-993.6	0.34	-1.10	-6.88
11	82	13701.2	614.9	216.0	-0.67	-0.39	-7.43
	49	-15436.7	6616.3	-216.0	0.67	-0.10	0.57
12	82	-22210.2	-3345.1	839.7	-0.48	-1.27	-10.37
	49	20474.7	10576.4	-839.7	0.48	-0.65	-5.56
13	82	19133.6	1455.7	677.1	-0.95	-0.62	-4.37
	49	-20869.1	5775.6	-677.1	0.95	-0.93	-0.57
14	82	-16777.7	-2504.4	1300.9	-0.77	-1.50	-7.31
	49	15042.2	9735.6	-1300.9	0.77	-1.48	-6.69
15	82	24361.6	1978.2	434.3	-0.48	-0.19	-2.69
	49	-26097.1	5253.1	-434.3	0.48	-0.80	-1.06
16	82	-11549.7	-1981.9	1058.1	-0.30	-1.07	-5.62
	49	9814.2	9213.1	-1058.1	0.30	-1.35	-7.18
17	82	20350.6	1565.0	95.2	-0.23	-0.05	-4.94
	49	-22086.1	5666.3	-95.2	0.23	-0.17	0.25
18	82	-15560.7	-2395.1	718.9	-0.05	-0.92	-7.88
	49	13825.2	9626.4	-718.9	0.05	-0.72	-5.88
19	82	27918.6	2266.5	57.1	-0.68	-0.05	-5.36
	49	-29654.1	4964.7	-57.1	0.68	-0.08	2.27
20	82	-31933.6	-4333.6	1096.7	-0.38	-1.52	-10.25
	49	30198.1	11564.8	-1096.7	0.38	-0.99	-7.93
21	82	31178.0	2771.0	333.8	-0.86	-0.19	-3.52
	49	-32913.5	4460.3	-333.8	0.86	-0.57	1.59
22	82	-28674.2	-3829.1	1373.4	-0.55	-1.65	-8.42
	49	26938.7	11060.4	-1373.4	0.55	-1.49	-8.62
23	82	34314.8	3084.5	188.2	-0.57	0.07	-2.51
	49	-36050.3	4146.8	-188.2	0.57	-0.50	1.30
24	82	-25537.4	-3515.6	1227.7	-0.27	-1.40	-7.41
	49	23801.9	10746.9	-1227.7	0.27	-1.41	-8.91
25	82	31908.2	2836.5	-15.3	-0.42	0.15	-3.86
	49	-33643.7	4394.7	15.3	0.42	-0.12	2.08
26	82	-27944.0	-3763.6	1024.2	-0.12	-1.31	-8.76
	49	26208.5	10994.8	-1024.2	0.12	-1.03	-8.13
27	82	3282.3	-4014.8	1114.6	-0.45	-1.13	-6.72
	49	-4617.3	9577.3	-1114.6	0.45	-1.46	-9.09
28	82	3989.5	-4733.4	1883.1	-0.73	-1.99	-6.43
	49	-5324.5	10295.9	-1883.1	0.73	-2.37	-10.52
29	82	734.2	-823.1	-414.5	-0.03	0.51	-6.37
	49	-2069.2	6385.6	414.5	0.03	0.43	-2.70
30	82	436.1	-3.5	324.0	-0.41	-0.36	-5.31
	49	-1771.1	5566.0	-324.0	0.41	-0.37	-1.06
31	82	-1640.5	2709.2	-692.8	-0.17	0.71	-4.77
	49	305.5	2853.3	692.8	0.17	0.92	4.37
32	82	-933.3	1990.6	75.6	-0.44	-0.15	-4.48
	49	-401.7	3571.9	-75.6	0.44	0.01	2.93
33	82	3091.5	-3218.3	2146.9	-0.95	-2.34	-5.41
	49	-4426.5	8780.8	-2146.9	0.95	-2.59	-7.49
34	82	1614.7	-1201.1	1604.7	-0.87	-1.79	-4.83
	49	-2949.7	6763.6	-1604.7	0.87	-1.88	-3.46
35	82	958.5	-306.3	476.9	-0.34	-0.53	-4.52
	49	-2293.5	5868.8	-476.9	0.34	-0.56	-2.55
36	82	-1504.4	68.0	309.7	-0.27	-0.47	-4.53
	49	169.4	5494.5	-309.7	0.27	-0.24	-1.68

	82	668.6	404.3	494.1	-0.39	-0.56	-3.31
	49	-2003.6	5158.2	-494.1	0.39	-0.57	-2.13
38	82	2759.8	613.3	397.0	-0.20	-0.39	-2.63
	49	-4094.8	4949.2	-397.0	0.20	-0.52	-2.33
39	82	1155.4	448.0	261.4	-0.10	-0.33	-3.53
	49	-2490.4	5114.5	-261.4	0.10	-0.27	-1.81
40	82	12713.0	1719.6	150.8	-0.29	-0.13	-2.46
	49	-14048.0	3842.9	-150.8	0.29	-0.21	0.03
41	82	-11227.9	-920.5	566.7	-0.17	-0.72	-4.41
	49	9892.9	6483.0	-566.7	0.17	-0.58	-4.06
42	82	1174.5	-1012.1	595.1	-0.45	-0.64	-5.60
	49	-2509.5	6574.6	-595.1	0.45	-0.72	-3.08
43	82	3304.0	-4120.3	1136.4	-0.46	-1.16	-6.75
	49	-4639.0	9682.8	-1136.4	0.46	-1.48	-9.30
44	82	3986.0	-4857.1	1942.7	-0.74	-2.06	-6.46
	49	-5321.0	10419.6	-1942.7	0.74	-2.43	-10.78
45	82	778.9	-827.1	-465.4	-0.02	0.57	-6.39
	49	-2113.9	6389.6	465.4	0.02	0.49	-2.70
46	82	-703.4	1258.9	-1032.1	0.07	1.15	-5.79
	49	-631.6	4303.6	1032.1	-0.07	1.23	1.47
47	82	-1637.0	2832.9	-752.5	-0.16	0.78	-4.74
	49	302.0	2729.6	752.5	0.16	0.98	4.62
48	82	-955.0	2096.1	53.8	-0.44	-0.12	-4.45
	49	-380.0	3466.4	-53.8	0.44	0.03	3.14
49	82	3052.3	-3283.2	2222.3	-0.96	-2.43	-5.41
	49	-4387.3	8845.7	-2222.3	0.96	-2.67	-7.63
50	82	1570.0	-1197.2	1655.7	-0.87	-1.85	-4.81
	49	-2905.0	6759.7	-1655.7	0.87	-1.94	-3.45
51	82	2475.6	-2127.9	793.5	-0.24	-0.84	-4.38
	49	-3810.6	7690.4	-793.5	0.24	-1.01	-7.07
52	82	3024.8	-2727.6	1438.9	-0.46	-1.56	-4.14
	49	-4359.8	8290.1	-1438.9	0.46	-1.77	-8.27
53	82	429.4	550.8	-489.8	0.11	0.54	-4.08
	49	-1764.4	5011.7	489.8	-0.11	0.57	-1.71
54	82	-775.1	2247.2	-944.2	0.18	1.01	-3.59
	49	-559.9	3315.3	944.2	-0.18	1.17	1.68
55	82	-1539.7	3526.7	-721.4	0.00	0.71	-2.74
	49	204.7	2035.8	721.4	-0.00	0.97	4.24
56	82	-990.4	2927.0	-76.0	-0.23	-0.01	-2.49
	49	-344.6	2635.5	76.0	0.23	0.21	3.04
57	82	2260.3	-1448.2	1661.7	-0.65	-1.86	-3.28
	49	-3595.3	7010.7	-1661.7	0.65	-1.96	-5.71
58	82	1055.7	248.2	1207.3	-0.57	-1.39	-2.79
	49	-2390.7	5314.3	-1207.3	0.57	-1.37	-2.32
1	181	-872.8	4415.1	-166.9	0.35	0.07	0.74
	151	-375.2	784.9	166.9	-0.35	0.21	2.25
2	181	-1256.6	5724.5	-307.4	0.88	0.19	1.13
	151	8.6	-524.5	307.4	-0.88	0.31	4.02
3	181	2322.4	11767.0	11.5	1.21	-0.04	8.80
	151	-3570.4	-6567.0	-11.5	-1.21	0.02	6.29
4	181	3027.4	10711.3	-130.4	0.97	0.16	8.31
	151	-4275.4	-5511.3	130.4	-0.97	0.05	5.04
5	181	4839.2	9735.7	420.6	0.65	-0.63	7.92
	151	-6087.2	-4535.7	-420.6	-0.65	-0.06	3.82
6	181	4215.4	10508.4	499.5	0.83	-0.73	8.08

	151	-5463.4	-5308.4	-499.5	-0.83	-0.09	4.93
7	181	-7082.3	2097.8	-1087.3	1.18	1.09	-5.23
	151	5834.3	3102.2	1087.3	-1.18	0.70	4.41
8	181	-6377.4	1042.2	-1229.2	0.95	1.30	-5.72
	151	5129.4	4157.8	1229.2	-0.95	0.72	3.16
9	181	-4565.6	66.6	-678.1	0.63	0.50	-6.11
	151	3317.6	5133.4	678.1	-0.63	0.61	1.94
10	181	-5189.3	839.3	-599.3	0.80	0.40	-5.94
	151	3941.3	4360.7	599.3	-0.80	0.58	3.05
11	181	1765.4	11917.5	-71.9	1.15	0.11	9.04
	151	-3013.4	-6717.5	71.9	-1.15	0.00	6.29
12	181	-7639.4	2248.4	-1170.7	1.12	1.25	-4.99
	151	6391.4	2951.6	1170.7	-1.12	0.68	4.41
13	181	2940.3	10158.1	-308.4	0.76	0.46	8.22
	151	-4188.3	-4958.1	308.4	-0.76	0.05	4.21
14	181	-6464.4	489.0	-1407.2	0.73	1.60	-5.81
	151	5216.4	4711.0	1407.2	-0.73	0.72	2.33
15	181	5959.9	8532.1	610.1	0.23	-0.87	7.58
	151	-7207.9	-3332.1	-610.1	-0.23	-0.13	2.18
16	181	-3444.8	-1137.1	-488.7	0.21	0.27	-6.45
	151	2196.8	6337.1	488.7	-0.21	0.54	0.30
17	181	4920.4	9819.9	741.5	0.52	-1.04	7.86
	151	-6168.4	-4619.9	-741.5	-0.52	-0.18	4.02
18	181	-4484.4	150.7	-357.3	0.49	0.10	-6.17
	151	3236.4	5049.3	357.3	-0.49	0.49	2.14
19	181	5649.2	14335.3	448.0	0.95	-0.48	13.28
	151	-6897.2	-9135.3	-448.0	-0.95	-0.25	6.03
20	181	-10025.4	-1779.9	-1383.3	0.91	1.41	-10.10
	151	8777.4	6979.9	1383.3	-0.91	0.87	2.89
21	181	6354.2	13279.7	306.1	0.71	-0.28	12.79
	151	-7602.2	-8079.7	-306.1	-0.71	-0.23	4.78
22	181	-9320.4	-2835.6	-1525.2	0.67	1.62	-10.59
	151	8072.4	8035.6	1525.2	-0.67	0.89	1.65
23	181	8166.0	12304.0	857.2	0.40	-1.07	12.40
	151	-9413.9	-7104.0	-857.2	-0.40	-0.34	3.56
24	181	-7508.7	-3811.2	-974.1	0.36	0.82	-10.98
	151	6260.7	9011.2	974.1	-0.36	0.78	0.43
25	181	7542.2	13076.7	936.0	0.57	-1.18	12.57
	151	-8790.2	-7876.7	-936.0	-0.57	-0.36	4.67
26	181	-8132.4	-3038.5	-895.2	0.53	0.72	-10.81
	151	6884.4	8238.5	895.2	-0.53	0.75	1.53
27	181	1599.4	-750.6	-954.5	0.69	1.18	-4.25
	151	-2559.4	4750.6	954.5	-0.69	0.41	-0.28
28	181	2277.1	272.0	-3168.7	1.15	3.92	-3.18
	151	-3237.1	3728.0	3168.7	-1.15	1.32	0.34
29	181	-1187.1	1211.5	2907.9	-0.07	-3.69	-2.30
	151	227.1	2788.5	-2907.9	0.07	-1.10	0.99
30	181	-1768.2	5620.2	313.9	0.52	-0.56	2.22
	151	808.2	-1620.2	-313.9	-0.52	0.04	3.73
31	181	-4102.8	8264.0	2700.1	0.07	-3.60	4.88
	151	3142.8	-4264.0	-2700.1	-0.07	-0.86	5.42
32	181	-3425.1	9286.6	485.9	0.53	-0.87	5.96
	151	2465.1	-5286.6	-485.9	-0.53	0.05	6.04
33	181	1072.0	4620.2	-4472.9	1.47	5.44	1.27
	151	-2032.0	-620.2	4472.9	-1.47	1.94	3.06
34	181	-638.6	7324.6	-3376.5	1.29	4.00	4.01

	151	-321.3	-3324.6	3376.5	-1.29	1.56	4.77
35	181	-784.9	3831.5	-187.4	0.43	0.12	0.73
	151	-175.0	168.5	187.4	-0.43	0.19	2.29
36	181	-1406.0	4200.3	-294.2	0.46	0.29	1.04
	151	446.0	-200.3	294.2	-0.46	0.19	2.59
37	181	-936.0	3496.6	-388.8	0.31	0.43	0.71
	151	-24.0	503.4	388.8	-0.31	0.21	1.75
38	181	271.9	2846.1	-21.4	0.10	-0.10	0.45
	151	-1231.9	1153.9	21.4	-0.10	0.13	0.94
39	181	-143.9	3361.3	31.1	0.21	-0.17	0.56
	151	-816.1	638.7	-31.1	-0.21	0.11	1.68
40	181	2477.9	6618.1	225.7	0.26	-0.30	5.27
	151	-3437.9	-2618.1	-225.7	-0.26	-0.07	2.32
41	181	-3792.0	172.0	-506.8	0.25	0.45	-4.08
	151	2832.0	3828.0	506.8	-0.25	0.38	1.07
42	181	-912.9	4268.0	-234.3	0.61	0.16	0.85
	151	-47.1	-268.0	234.3	-0.61	0.23	2.88
43	181	1679.2	-912.0	-985.5	0.05	1.22	-4.41
	151	-2639.2	4912.0	985.5	-0.05	0.42	-0.39
44	181	2387.9	131.8	-3307.7	0.53	4.09	-3.32
	151	-3347.9	3868.2	3307.7	-0.53	1.38	0.25
45	181	-1210.1	1130.9	3062.2	-0.29	-3.87	-2.38
	151	250.1	2869.1	-3062.2	0.29	-1.17	0.94
46	181	-2977.9	3925.8	4209.6	-0.10	-5.37	0.45
	151	2017.9	74.2	-4209.6	0.10	-1.57	2.70
47	181	-4213.6	8404.3	2839.1	0.68	-3.77	5.03
	151	3253.6	-4404.3	-2839.1	-0.68	-0.92	5.51
48	181	-3504.9	9448.1	517.0	1.17	-0.90	6.12
	151	2544.9	-5448.1	-517.0	-1.17	0.03	6.14
49	181	1152.2	4610.2	-4678.2	1.32	5.69	1.26
	151	-2112.2	-610.2	4678.2	-1.32	2.02	3.05
50	181	-615.6	7405.1	-3530.8	1.51	4.19	4.09
	151	-344.4	-3405.1	3530.8	-1.51	1.62	4.82
51	181	1450.5	-823.6	-737.1	-0.20	0.92	-3.69
	151	-2410.5	4823.6	737.1	0.20	0.31	-0.96
52	181	2018.2	30.6	-2599.1	0.19	3.22	-2.80
	151	-2978.2	3969.4	2599.1	-0.19	1.08	-0.44
53	181	-885.7	833.8	2504.6	-0.47	-3.16	-2.05
	151	-74.3	3166.2	-2504.6	0.47	-0.96	0.11
54	181	-2320.6	3108.8	3421.1	-0.32	-4.35	0.26
	151	1360.6	891.2	-3421.1	0.32	-1.28	1.55
55	181	-3332.3	6759.5	2318.0	0.32	-3.07	3.99
	151	2372.3	-2759.5	-2318.0	-0.32	-0.76	3.84
56	181	-2764.6	7613.8	455.9	0.70	-0.77	4.89
	151	1804.6	-3613.8	-455.9	-0.70	0.01	4.36
57	181	1006.5	3681.4	-3702.2	0.82	4.50	0.94
	151	-1966.5	318.6	3702.2	-0.82	1.60	1.84
58	181	-428.3	5956.3	-2785.7	0.98	3.31	3.24
	151	-531.7	-1956.3	2785.7	-0.98	1.28	3.28
1	151	586.8	-1666.6	388.2	0.35	-0.21	-2.24
	121	-1834.8	6866.6	-388.2	-0.35	-0.43	-4.79
2	151	970.5	-3555.0	616.5	0.88	-0.31	-3.98
	121	-2218.5	8755.0	-616.5	-0.88	-0.70	-6.15
3	151	4549.5	864.2	1315.3	1.21	-0.02	-6.24
	121	-5797.5	4335.8	-1315.3	-1.21	-2.14	3.38

	151	5254.5	1431.9	1279.8	0.97	-0.05	-5.00
	121	-6502.5	3768.1	-1279.8	-0.97	-2.06	3.08
5	151	7066.2	1673.7	1694.6	0.65	0.06	-3.80
	121	-8314.2	3526.3	-1694.6	-0.65	-2.85	2.27
6	151	6442.5	1228.9	1688.8	0.83	0.09	-4.89
	121	-7690.5	3971.1	-1688.8	-0.83	-2.87	2.63
7	151	-4855.3	-8805.0	-516.7	1.18	-0.70	-4.36
	121	3607.3	14005.0	516.7	-1.18	1.55	-14.41
8	151	-4150.3	-8237.3	-552.3	0.95	-0.72	-3.12
	121	2902.3	13437.3	552.3	-0.95	1.63	-14.71
9	151	-2338.5	-7995.4	-137.4	0.63	-0.61	-1.92
	121	1090.5	13195.4	137.4	-0.63	0.84	-15.52
10	151	-2962.3	-8440.2	-143.3	0.80	-0.58	-3.01
	121	1714.3	13640.2	143.3	-0.80	0.82	-15.15
11	151	3608.7	1531.3	1056.4	1.15	-0.00	-6.24
	121	-4856.7	3668.6	-1056.4	-1.15	-1.73	4.48
12	151	-5796.1	-8137.8	-775.7	1.12	-0.68	-4.36
	121	4548.1	13337.8	775.7	-1.12	1.95	-13.30
13	151	4783.7	2477.5	997.1	0.76	-0.05	-4.19
	121	-6031.7	2722.5	-997.1	-0.76	-1.59	3.99
14	151	-4621.1	-7191.6	-834.9	0.73	-0.72	-2.31
	121	3373.1	12391.6	834.9	-0.73	2.09	-13.80
15	151	7803.3	2880.7	1688.5	0.23	0.13	-2.17
	121	-9051.3	2319.3	-1688.5	-0.23	-2.91	2.64
16	151	-1601.5	-6788.5	-143.5	0.21	-0.54	-0.30
	121	353.5	11988.5	143.5	-0.21	0.77	-15.15
17	151	6763.8	2139.3	1678.8	0.52	0.18	-4.00
	121	-8011.8	3060.7	-1678.8	-0.52	-2.95	3.24
18	151	-2641.0	-7529.8	-153.3	0.49	-0.49	-2.12
	121	1393.0	12729.8	153.3	-0.49	0.74	-14.55
19	151	7492.6	5031.4	1811.9	0.95	0.25	-5.99
	121	-8740.6	168.6	-1811.9	-0.95	-3.23	9.99
20	151	-8182.1	-11083.9	-1241.6	0.91	-0.87	-2.86
	121	6934.1	16283.9	1241.6	-0.91	2.91	-19.66
21	151	8197.5	5599.1	1776.3	0.71	0.23	-4.76
	121	-9445.5	-399.1	-1776.3	-0.71	-3.15	9.69
22	151	-7477.1	-10516.2	-1277.1	0.67	-0.89	-1.63
	121	6229.1	15716.2	1277.1	-0.67	2.99	-19.96
23	151	10009.3	5841.0	2191.2	0.40	0.34	-3.55
	121	-11257.3	-641.0	-2191.2	-0.40	-3.94	8.88
24	151	-5665.3	-10274.3	-862.3	0.36	-0.78	-0.42
	121	4417.3	15474.3	862.3	-0.36	2.20	-20.77
25	151	9385.6	5396.1	2185.3	0.57	0.36	-4.64
	121	-10633.6	-196.1	-2185.3	-0.57	-3.96	9.25
26	151	-6289.0	-10719.1	-868.1	0.53	-0.75	-1.51
	121	5041.0	15919.1	868.1	-0.53	2.18	-20.40
27	151	4282.5	-7072.4	-293.2	0.69	-0.41	0.31
	121	-5242.5	11072.4	293.2	-0.69	0.83	-15.23
28	151	5160.6	-6135.1	-1325.3	1.15	-1.32	-0.31
	121	-6120.6	10135.1	1325.3	-1.15	3.40	-13.07
29	151	445.4	-5270.4	1778.7	-0.07	1.10	-0.96
	121	-1405.4	9270.4	-1778.7	0.07	-3.99	-10.99
30	151	-501.8	-1226.1	802.6	0.52	-0.04	-3.71
	121	-458.2	5226.1	-802.6	-0.52	-1.26	-1.60
31	151	-3753.5	1200.9	2186.6	0.07	0.86	-5.39
	121	2793.5	2799.1	-2186.6	-0.07	-4.36	4.08

	151	-2875.3	2138.2	1154.6	0.53	-0.05	-6.01
	121	1915.3	1861.8	-1154.6	-0.53	-1.79	6.24
33	151	3372.5	-2145.9	-1661.3	1.47	-1.94	-3.03
	121	-4332.5	6145.9	1661.3	-1.47	4.59	-3.80
34	151	961.7	336.1	-917.4	1.29	-1.56	-4.74
	121	-1921.7	3663.9	917.4	-1.29	3.03	2.00
35	151	575.7	-1837.7	354.6	0.43	-0.19	-2.27
	121	-1535.7	5837.7	-354.6	-0.43	-0.39	-4.04
36	151	-301.2	-1485.2	133.7	0.46	-0.19	-2.57
	121	-658.8	5485.2	-133.7	-0.46	-0.03	-3.17
37	151	168.8	-1106.7	110.0	0.31	-0.21	-1.75
	121	-1128.8	5106.7	-110.0	-0.31	0.03	-3.37
38	151	1376.7	-945.4	386.5	0.10	-0.13	-0.94
	121	-2336.7	4945.4	-386.5	-0.10	-0.50	-3.91
39	151	960.8	-1242.0	382.6	0.21	-0.11	-1.67
	121	-1920.8	5242.0	-382.6	-0.21	-0.51	-3.66
40	151	3582.7	2014.8	889.2	0.26	0.07	-2.32
	121	-4542.7	1985.2	-889.2	-0.26	-1.53	2.34
41	151	-2687.2	-4431.3	-332.2	0.25	-0.38	-1.06
	121	1727.2	8431.3	332.2	-0.25	0.93	-9.52
42	151	703.6	-2467.1	430.7	0.61	-0.23	-2.85
	121	-1663.6	6467.1	-430.7	-0.61	-0.48	-4.50
43	151	4402.6	-7220.9	-298.0	0.05	-0.42	0.41
	121	-5362.6	11220.9	298.0	-0.05	0.85	-15.58
44	151	5310.1	-6263.5	-1354.9	0.53	-1.38	-0.22
	121	-6270.1	10263.5	1354.9	-0.53	3.52	-13.37
45	151	436.8	-5345.3	1814.9	-0.29	1.17	-0.91
	121	-1396.8	9345.3	-1814.9	0.29	-4.13	-11.17
46	151	-2054.9	-2780.3	2569.2	-0.10	1.57	-2.68
	121	1094.9	6780.3	-2569.2	0.10	-5.73	-5.18
47	151	-3903.0	1329.3	2216.2	0.68	0.92	-5.48
	121	2943.0	2670.7	-2216.2	-0.68	-4.48	4.38
48	151	-2995.4	2286.7	1159.4	1.17	-0.03	-6.12
	121	2035.4	1713.3	-1159.4	-1.17	-1.81	6.58
49	151	3462.0	-2153.9	-1707.9	1.32	-2.02	-3.03
	121	-4422.0	6153.9	1707.9	-1.32	4.77	-3.82
50	151	970.3	411.1	-953.6	1.51	-1.62	-4.79
	121	-1930.3	3588.9	953.6	-1.51	3.17	2.17
51	151	3455.6	-5079.8	-308.0	-0.20	-0.31	0.97
	121	-4415.6	9079.8	308.0	0.20	0.76	-12.61
52	151	4187.2	-4296.2	-1154.3	0.19	-1.08	0.45
	121	-5147.2	8296.2	1154.3	-0.19	2.91	-10.81
53	151	240.5	-3558.2	1386.1	-0.47	0.96	-0.11
	121	-1200.5	7558.2	-1386.1	0.47	-3.23	-9.03
54	151	-1783.7	-1470.3	1991.9	-0.32	1.28	-1.55
	121	823.7	5470.3	-1991.9	0.32	-4.51	-4.16
55	151	-3291.7	1879.8	1711.3	0.32	0.76	-3.83
	121	2331.7	2120.2	-1711.3	-0.32	-3.51	3.63
56	151	-2560.1	2663.4	864.9	0.70	-0.01	-4.35
	121	1600.1	1336.6	-864.9	-0.70	-1.37	5.43
57	151	2679.2	-946.1	-1435.0	0.82	-1.60	-1.83
	121	-3639.2	4946.1	1435.0	-0.82	3.91	-3.02
58	151	655.0	1141.8	-829.2	0.98	-1.28	-3.27
	121	-1615.0	2858.2	829.2	-0.98	2.63	1.85
1	121	-1015.2	9081.6	-325.3	-0.31	0.19	7.96

	82	-720.3	-1850.4	325.3	0.31	0.56	4.55
2	121	-1564.7	11953.1	-457.1	-0.63	0.17	11.28
	82	-170.8	-4721.9	457.1	0.63	0.88	7.79
3	121	13020.5	15968.4	304.2	-0.79	-1.21	20.30
	82	-14756.0	-8737.2	-304.2	0.79	0.51	7.97
4	121	16280.0	13940.3	272.3	-0.96	-1.27	17.49
	82	-18015.5	-6709.0	-272.3	0.96	0.64	6.13
5	121	19416.8	12354.3	610.6	-0.67	-1.78	14.88
	82	-21152.3	-5123.0	-610.6	0.67	0.39	5.12
6	121	17010.2	14005.8	588.8	-0.52	-1.65	17.30
	82	-18745.7	-6774.6	-588.8	0.52	0.30	6.47
7	121	-22890.8	12008.4	-1567.0	-0.60	2.20	8.30
	82	21155.3	-4777.1	1567.0	0.60	1.39	10.91
8	121	-19631.3	9980.2	-1598.8	-0.78	2.14	5.50
	82	17895.8	-2748.9	1598.8	0.78	1.52	9.07
9	121	-16494.5	8394.2	-1260.5	-0.49	1.62	2.88
	82	14759.0	-1163.0	1260.5	0.49	1.27	8.05
10	121	-18901.1	10045.7	-1282.3	-0.34	1.76	5.31
	82	17165.6	-2814.5	1282.3	0.34	1.18	9.41
11	121	11048.3	15889.5	253.9	-0.67	-0.98	20.64
	82	-12783.8	-8658.3	-253.9	0.67	0.39	7.44
12	121	-24863.0	11929.5	-1617.3	-0.48	2.43	8.65
	82	23127.5	-4698.2	1617.3	0.48	1.27	10.38
13	121	16480.7	12509.2	200.8	-0.95	-1.08	15.97
	82	-18216.2	-5278.0	-200.8	0.95	0.62	4.38
14	121	-19430.6	8549.2	-1670.3	-0.77	2.33	3.98
	82	17695.1	-1317.9	1670.3	0.77	1.50	7.31
15	121	21708.8	9865.9	764.6	-0.48	-1.94	11.61
	82	-23444.3	-2634.7	-764.6	0.48	0.19	2.69
16	121	-14202.6	5905.9	-1106.5	-0.30	1.46	-0.38
	82	12467.1	1325.4	1106.5	0.30	1.07	5.62
17	121	17697.7	12618.5	728.2	-0.23	-1.71	15.65
	82	-19433.2	-5387.2	-728.2	0.23	0.05	4.95
18	121	-18213.6	8658.4	-1142.9	-0.05	1.69	3.66
	82	16478.1	-1427.2	1142.9	0.05	0.92	7.88
19	121	25265.7	15852.7	993.8	-0.68	-2.33	22.63
	82	-27001.2	-8621.5	-993.8	0.68	0.05	5.37
20	121	-34586.5	9252.6	-2124.7	-0.38	3.34	2.64
	82	32851.0	-2021.3	2124.7	0.38	1.52	10.26
21	121	28525.2	13824.5	962.0	-0.86	-2.39	19.83
	82	-30260.7	-6593.3	-962.0	0.86	0.19	3.53
22	121	-31327.0	7224.4	-2156.6	-0.55	3.28	-0.16
	82	29591.5	6.8	2156.6	0.55	1.65	8.42
23	121	31662.0	12238.5	1300.2	-0.57	-2.91	17.21
	82	-33397.5	-5007.3	-1300.2	0.57	-0.07	2.52
24	121	-28190.2	5638.4	-1818.3	-0.27	2.76	-2.78
	82	26454.7	1592.8	1818.3	0.27	1.40	7.41
25	121	29255.4	13890.1	1278.4	-0.42	-2.77	19.64
	82	-30990.9	-6658.8	-1278.4	0.42	-0.15	3.87
26	121	-30596.8	7290.0	-1840.1	-0.12	2.90	-0.35
	82	28861.3	-58.7	1840.1	0.12	1.31	8.76
27	121	-159.7	5509.8	-668.9	-0.45	-0.26	-2.24
	82	-1175.3	52.7	668.9	0.45	1.13	6.72
28	121	484.6	4722.6	-958.9	-0.73	-0.64	-0.21
	82	-1819.6	839.9	958.9	0.73	1.99	6.43
29	121	-1848.1	8993.5	0.2	-0.03	0.59	1.94

	82	513.1	-3431.0	-0.2	0.03	-0.51	6.38
30	121	-1577.3	9880.2	-199.8	-0.41	0.32	10.93
	82	242.3	-4317.7	199.8	0.41	0.36	5.31
31	121	-2836.2	12839.1	275.8	-0.17	0.92	16.46
	82	1501.2	-7276.6	-275.8	0.17	-0.71	4.78
32	121	-2192.0	12051.8	-14.2	-0.44	0.55	18.49
	82	857.0	-6489.3	14.2	0.44	0.15	4.49
33	121	299.4	6369.3	-966.6	-0.95	-0.66	8.70
	82	-1634.4	-806.8	966.6	0.95	2.34	5.41
34	121	-503.6	8568.1	-683.2	-0.87	-0.30	14.31
	82	-831.4	-3005.6	683.2	0.87	1.79	4.83
35	121	-992.7	7823.6	-297.6	-0.34	0.15	7.02
	82	-342.3	-2261.1	297.6	0.34	0.53	4.52
36	121	-3056.5	8223.3	-369.9	-0.27	0.38	7.92
	82	1721.5	-2660.8	369.9	0.27	0.47	4.53
37	121	-883.5	6871.2	-391.1	-0.39	0.34	6.05
	82	-451.5	-1308.7	391.1	0.39	0.56	3.31
38	121	1207.7	5813.9	-165.6	-0.20	-0.01	4.31
	82	-2542.7	-251.4	165.6	0.20	0.39	2.63
39	121	-396.7	6914.9	-180.1	-0.10	0.08	5.92
	82	-938.3	-1352.4	180.1	0.10	0.33	3.53
40	121	11161.0	8186.5	370.0	-0.29	-0.98	9.91
	82	-12496.0	-2624.0	-370.0	0.29	0.13	2.46
41	121	-12779.9	5546.5	-877.4	-0.17	1.29	1.91
	82	11444.9	16.0	877.4	0.17	0.72	4.42
42	121	-1175.8	8780.8	-341.5	-0.45	0.14	8.12
	82	-159.2	-3218.3	341.5	0.45	0.64	5.60
43	121	-223.6	5394.3	-670.9	-0.46	-0.22	-2.58
	82	-1111.4	168.2	670.9	0.46	1.16	6.75
44	121	407.8	4588.2	-967.1	-0.74	-0.59	-0.50
	82	-1742.8	974.3	967.1	0.74	2.06	6.46
45	121	-1847.6	8987.5	8.8	-0.02	0.59	1.77
	82	512.6	-3425.0	-8.8	0.02	-0.57	6.40
46	121	-2608.4	11261.3	295.3	0.07	0.91	7.57
	82	1273.4	-5698.8	-295.3	-0.07	-1.15	5.80
47	121	-2759.4	12973.5	284.0	-0.16	0.87	16.75
	82	1424.4	-7411.0	-284.0	0.16	-0.78	4.75
48	121	-2128.1	12167.3	-12.1	-0.44	0.51	18.83
	82	793.1	-6604.8	12.1	0.44	0.12	4.46
49	121	256.7	6300.4	-978.4	-0.96	-0.63	8.68
	82	-1591.7	-737.9	978.4	0.96	2.43	5.41
50	121	-504.0	8574.1	-691.9	-0.87	-0.30	14.48
	82	-831.0	-3011.6	691.9	0.87	1.85	4.81
51	121	-33.4	4112.7	-520.5	-0.24	-0.14	-2.80
	82	-1301.6	1449.8	520.5	0.24	0.84	4.37
52	121	476.9	3456.6	-757.7	-0.46	-0.44	-1.11
	82	-1811.9	2105.9	757.7	0.46	1.56	4.13
53	121	-1350.6	7035.3	26.1	0.11	0.51	0.73
	82	15.6	-1472.8	-26.1	-0.11	-0.54	4.09
54	121	-1969.4	8884.4	257.4	0.18	0.78	5.45
	82	634.4	-3321.9	-257.4	-0.18	-1.01	3.60
55	121	-2095.8	10276.3	250.4	0.00	0.75	12.93
	82	760.8	-4713.8	-250.4	-0.00	-0.71	2.74
56	121	-1585.5	9620.3	13.2	-0.23	0.46	14.62
	82	250.5	-4057.8	-13.2	0.23	0.01	2.50
57	121	350.4	4848.5	-764.7	-0.65	-0.47	6.37

	82	-1685.4	714.0	764.7	0.65	1.86	3.28
58	121	-268.3	6697.6	-533.4	-0.57	-0.20	11.09
	82	-1066.7	-1135.1	533.4	0.57	1.39	2.79
1	77	183.2	-574.4	-3.3	0.00	0.00	-0.96
	56	-323.2	1157.6	3.3	-0.00	0.00	-1.02
2	77	850.5	-2834.5	-4.4	0.00	0.01	-3.65
	56	-990.5	3417.7	4.4	-0.00	0.00	-3.50
3	77	3841.0	-2842.7	-27.3	0.00	0.03	-3.59
	56	-3981.0	3425.8	27.3	-0.00	0.03	-3.58
4	77	3696.4	-3912.0	-30.9	0.00	0.03	-5.00
	56	-3836.3	4495.1	30.9	-0.00	0.04	-4.62
5	77	3841.3	-2841.6	-32.2	0.00	0.03	-3.59
	56	-3981.3	3424.8	32.2	-0.00	0.05	-3.57
6	77	3930.8	-2040.1	-30.1	0.00	0.03	-2.54
	56	-4070.7	2623.2	30.1	-0.00	0.04	-2.79
7	77	-2140.4	-2827.6	24.1	-0.00	-0.01	-3.70
	56	2000.4	3410.7	-24.1	0.00	-0.04	-3.43
8	77	-2285.1	-3896.8	20.5	-0.00	-0.02	-5.11
	56	2145.1	4480.0	-20.5	0.00	-0.03	-4.47
9	77	-2140.1	-2826.5	19.2	-0.00	-0.02	-3.71
	56	2000.1	3409.6	-19.2	0.00	-0.03	-3.43
10	77	-2050.6	-2024.9	21.3	-0.00	-0.01	-2.65
	56	1910.7	2608.1	-21.3	0.00	-0.03	-2.65
11	77	3507.3	-1713.1	-24.9	0.00	0.03	-2.25
	56	-3647.2	2296.2	24.9	-0.00	0.03	-2.34
12	77	-2474.2	-1698.0	26.6	-0.00	-0.01	-2.36
	56	2334.2	2281.1	-26.6	0.00	-0.05	-2.19
13	77	3266.1	-3495.1	-30.8	0.00	0.03	-4.59
	56	-3406.1	4078.3	30.8	-0.00	0.04	-4.07
14	77	-2715.3	-3480.0	20.6	-0.00	-0.02	-4.70
	56	2575.3	4063.1	-20.6	0.00	-0.03	-3.93
15	77	3507.8	-1711.3	-33.1	0.00	0.03	-2.25
	56	-3647.7	2294.4	33.1	-0.00	0.05	-2.33
16	77	-2473.7	-1696.1	18.4	-0.00	-0.02	-2.36
	56	2333.7	2279.3	-18.4	0.00	-0.02	-2.19
17	77	3656.8	-375.3	-29.5	0.00	0.03	-0.50
	56	-3796.8	958.4	29.5	-0.00	0.04	-1.03
18	77	-2324.6	-360.2	22.0	-0.00	-0.02	-0.61
	56	2184.6	943.3	-22.0	0.00	-0.03	-0.88
19	77	5501.2	-1717.7	-43.9	0.00	0.04	-2.21
	56	-5641.2	2300.8	43.9	-0.00	0.06	-2.38
20	77	-4467.8	-1692.5	41.9	-0.00	-0.03	-2.40
	56	4327.9	2275.6	-41.9	0.00	-0.07	-2.14
21	77	5356.5	-2786.9	-47.5	0.00	0.04	-3.62
	56	-5496.5	3370.1	47.5	-0.00	0.07	-3.43
22	77	-4612.5	-2761.7	38.3	-0.00	-0.03	-3.80
	56	4472.6	3344.9	-38.3	0.00	-0.06	-3.18
23	77	5501.5	-1716.6	-48.8	0.00	0.04	-2.21
	56	-5641.4	2299.7	48.8	-0.00	0.07	-2.38
24	77	-4467.6	-1691.4	36.9	-0.00	-0.03	-2.40
	56	4327.6	2274.5	-36.9	0.00	-0.05	-2.14
25	77	5590.9	-915.0	-46.7	0.00	0.04	-1.16
	56	-5730.9	1498.2	46.7	-0.00	0.06	-1.60
26	77	-4378.1	-889.8	39.1	-0.00	-0.03	-1.35
	56	4238.2	1473.0	-39.1	0.00	-0.06	-1.36

	77	654.9	-1919.9	46.7	0.00	-0.05	-2.44
	56	-762.5	2368.4	-46.7	-0.00	-0.06	-2.48
28	77	415.0	-1896.9	79.9	0.00	-0.06	-2.52
	56	-522.7	2345.5	-79.9	-0.00	-0.12	-2.36
29	77	958.2	-1939.6	-38.7	0.00	0.02	-2.34
	56	-1065.8	2388.2	38.7	-0.00	0.07	-2.61
30	77	578.6	-1895.4	-23.4	-0.00	0.02	-2.47
	56	-686.2	2343.9	23.4	0.00	0.03	-2.38
31	77	722.0	-1899.8	-86.7	-0.00	0.07	-2.42
	56	-829.6	2348.4	86.7	0.00	0.13	-2.42
32	77	482.1	-1876.9	-53.5	-0.00	0.06	-2.50
	56	-589.8	2325.5	53.5	0.00	0.07	-2.29
33	77	158.7	-1863.1	71.9	-0.00	-0.04	-2.61
	56	-266.4	2311.7	-71.9	0.00	-0.12	-2.18
34	77	178.9	-1857.1	31.9	-0.00	-0.01	-2.60
	56	-286.5	2305.7	-31.9	0.00	-0.07	-2.17
35	77	346.1	-1145.0	-3.0	0.00	0.00	-1.57
	56	-453.7	1593.6	3.0	-0.00	0.00	-1.56
36	77	123.5	-392.0	-0.7	-0.00	0.00	-0.68
	56	-231.2	840.6	0.7	0.00	-0.00	-0.73
37	77	27.1	-1104.9	-3.1	0.00	0.00	-1.61
	56	-134.7	1553.4	3.1	-0.00	0.00	-1.43
38	77	123.7	-391.3	-4.0	0.00	0.00	-0.68
	56	-231.4	839.9	4.0	-0.00	0.01	-0.73
39	77	183.3	143.1	-2.6	0.00	0.00	0.02
	56	-291.0	305.5	2.6	-0.00	0.00	-0.21
40	77	2117.5	-396.7	-19.8	0.00	0.02	-0.64
	56	-2225.1	845.2	19.8	-0.00	0.03	-0.78
41	77	-1870.2	-386.6	14.5	-0.00	-0.01	-0.71
	56	1762.5	835.2	-14.5	0.00	-0.02	-0.68
42	77	568.5	-1898.4	-3.4	0.00	0.00	-2.47
	56	-676.2	2346.9	3.4	-0.00	0.00	-2.39
43	77	647.4	-1919.0	48.9	0.00	-0.05	-2.44
	56	-755.1	2367.6	-48.9	-0.00	-0.06	-2.48
44	77	428.4	-1897.6	83.2	0.00	-0.07	-2.52
	56	-536.0	2346.1	-83.2	-0.00	-0.13	-2.36
45	77	924.4	-1937.0	-39.6	0.00	0.02	-2.35
	56	-1032.0	2385.6	39.6	-0.00	0.07	-2.60
46	77	942.7	-1931.1	-81.3	0.00	0.06	-2.34
	56	-1050.4	2379.6	81.3	-0.00	0.13	-2.58
47	77	708.6	-1899.2	-90.0	-0.00	0.08	-2.42
	56	-816.3	2347.7	90.0	0.00	0.13	-2.41
48	77	489.6	-1877.8	-55.7	-0.00	0.06	-2.49
	56	-597.3	2326.3	55.7	0.00	0.07	-2.30
49	77	194.3	-1865.7	74.5	-0.00	-0.05	-2.60
	56	-301.9	2314.2	-74.5	0.00	-0.13	-2.20
50	77	212.7	-1859.7	32.8	-0.00	-0.01	-2.59
	56	-320.3	2308.3	-32.8	0.00	-0.07	-2.18
51	77	187.9	-408.4	39.8	0.00	-0.04	-0.66
	56	-295.5	857.0	-39.8	-0.00	-0.05	-0.81
52	77	9.6	-391.1	67.1	0.00	-0.05	-0.72
	56	-117.2	839.6	-67.1	-0.00	-0.10	-0.71
53	77	413.4	-423.0	-31.4	0.00	0.01	-0.58
	56	-521.0	871.6	31.4	-0.00	0.06	-0.90
54	77	428.3	-418.1	-65.0	0.00	0.04	-0.57
	56	-536.0	866.7	65.0	-0.00	0.11	-0.88

	77	237.7	-392.2	-72.4	-0.00	0.06	-0.64
	56	-345.4	840.8	72.4	0.00	0.11	-0.75
56	77	59.4	-374.8	-45.0	-0.00	0.05	-0.70
	56	-167.1	823.4	45.0	0.00	0.06	-0.66
57	77	-181.0	-365.1	59.8	-0.00	-0.04	-0.78
	56	73.4	813.7	-59.8	0.00	-0.10	-0.58
58	77	-166.1	-360.3	26.1	-0.00	-0.01	-0.78
	56	58.4	808.8	-26.1	0.00	-0.05	-0.56
1	76	143.9	-571.9	-21.1	0.00	0.01	-0.96
	55	-283.8	1155.1	21.1	-0.00	0.04	-1.02
2	76	768.7	-2833.6	-39.6	0.01	0.01	-3.63
	55	-908.7	3416.8	39.6	-0.01	0.08	-3.52
3	76	-6067.6	-2832.9	3.6	0.00	-0.02	-3.58
	55	5927.7	3416.0	-3.6	-0.00	0.01	-3.57
4	76	-6054.6	-3889.0	17.0	0.01	-0.02	-4.98
	55	5914.7	4472.1	-17.0	-0.01	-0.02	-4.59
5	76	-6188.4	-2827.5	-0.7	0.00	-0.02	-3.58
	55	6048.5	3410.6	0.7	-0.00	0.03	-3.56
6	76	-6077.6	-2035.3	-11.6	0.00	-0.02	-2.53
	55	5937.7	2618.4	11.6	-0.00	0.05	-2.79
7	76	7737.8	-2840.4	-77.8	0.01	0.04	-3.69
	55	-7877.8	3423.6	77.8	-0.01	0.14	-3.48
8	76	7750.8	-3896.5	-64.3	0.01	0.04	-5.09
	55	-7890.8	4479.6	64.3	-0.01	0.11	-4.50
9	76	7617.0	-2835.0	-82.1	0.01	0.04	-3.69
	55	-7757.0	3418.1	82.1	-0.01	0.15	-3.47
10	76	7727.8	-2042.8	-93.0	0.01	0.04	-2.64
	55	-7867.8	2626.0	93.0	-0.01	0.17	-2.70
11	76	-6335.8	-1704.1	14.5	0.00	-0.02	-2.24
	55	6195.9	2287.2	-14.5	-0.00	-0.01	-2.33
12	76	7469.6	-1711.6	-66.9	0.01	0.04	-2.35
	55	-7609.6	2294.7	66.9	-0.01	0.11	-2.23
13	76	-6314.1	-3464.2	36.9	0.01	-0.02	-4.57
	55	6174.2	4047.3	-36.9	-0.01	-0.06	-4.02
14	76	7491.3	-3471.7	-44.5	0.01	0.04	-4.68
	55	-7631.3	4054.8	44.5	-0.01	0.06	-3.93
15	76	-6537.2	-1695.0	7.2	0.00	-0.03	-2.24
	55	6397.2	2278.1	-7.2	-0.00	0.01	-2.30
16	76	7268.3	-1702.5	-74.1	0.01	0.04	-2.35
	55	-7408.2	2285.7	74.1	-0.01	0.13	-2.21
17	76	-6352.5	-374.8	-10.8	-0.00	-0.02	-0.49
	55	6212.5	957.9	10.8	0.00	0.05	-1.03
18	76	7453.0	-382.3	-92.2	0.00	0.04	-0.60
	55	-7592.9	965.4	92.2	-0.00	0.17	-0.94
19	76	-10981.9	-1699.6	39.9	0.00	-0.04	-2.20
	55	10841.9	2282.7	-39.9	-0.00	-0.05	-2.35
20	76	12027.2	-1712.1	-95.7	0.01	0.06	-2.39
	55	-12167.1	2295.2	95.7	-0.01	0.16	-2.20
21	76	-10968.9	-2755.6	53.4	0.00	-0.04	-3.60
	55	10828.9	3338.7	-53.4	-0.00	-0.08	-3.37
22	76	12040.2	-2768.1	-82.2	0.01	0.06	-3.79
	55	-12180.2	3351.3	82.2	-0.01	0.13	-3.21
23	76	-11102.7	-1694.1	35.6	0.00	-0.05	-2.21
	55	10962.7	2277.2	-35.6	-0.00	-0.04	-2.34
24	76	11906.4	-1706.6	-100.0	0.01	0.06	-2.39

	55	-12046.4	2289.8	100.0	-0.01	0.17	-2.18
25	76	-10991.9	-902.0	24.8	-0.00	-0.04	-1.16
	55	10851.9	1485.1	-24.8	0.00	-0.01	-1.57
26	76	12017.2	-914.5	-110.9	0.00	0.06	-1.34
	55	-12157.2	1497.6	110.9	-0.00	0.20	-1.42
27	76	-103.1	-1930.1	17.7	0.00	-0.04	-2.44
	55	-4.6	2378.6	-17.7	-0.00	0.00	-2.43
28	76	-618.6	-1893.8	59.1	0.01	-0.06	-2.51
	55	511.0	2342.3	-59.1	-0.01	-0.07	-2.28
29	76	1116.2	-1962.5	-77.3	0.00	0.02	-2.34
	55	-1223.8	2411.0	77.3	-0.00	0.16	-2.65
30	76	786.5	-1893.4	-48.2	0.00	0.02	-2.45
	55	-894.2	2342.0	48.2	-0.00	0.09	-2.41
31	76	1662.1	-1901.6	-115.6	0.00	0.08	-2.40
	55	-1769.8	2350.2	115.6	-0.00	0.19	-2.52
32	76	1146.6	-1865.3	-74.2	0.00	0.06	-2.48
	55	-1254.3	2313.9	74.2	-0.00	0.11	-2.36
33	76	-602.2	-1841.5	60.8	0.01	-0.05	-2.59
	55	494.6	2290.0	-60.8	-0.01	-0.10	-2.12
34	76	-72.7	-1832.9	20.8	0.01	-0.01	-2.58
	55	-35.0	2281.5	-20.8	-0.01	-0.05	-2.15
35	76	313.5	-1143.8	-22.1	0.00	0.01	-1.57
	55	-421.1	1592.4	22.1	-0.00	0.05	-1.56
36	76	149.4	-391.9	-14.3	0.00	0.01	-0.67
	55	-257.1	840.5	14.3	-0.00	0.03	-0.74
37	76	158.1	-1096.0	-5.3	0.00	0.01	-1.61
	55	-265.7	1544.5	5.3	-0.00	0.01	-1.41
38	76	68.9	-388.3	-17.2	0.00	0.00	-0.68
	55	-176.5	836.9	17.2	-0.00	0.04	-0.73
39	76	142.7	139.8	-24.4	-0.00	0.00	0.02
	55	-250.4	308.8	24.4	0.00	0.05	-0.22
40	76	-4496.6	-387.4	11.2	-0.00	-0.02	-0.64
	55	4389.0	836.0	-11.2	0.00	-0.01	-0.76
41	76	4707.0	-392.4	-43.1	0.00	0.02	-0.71
	55	-4814.6	841.0	43.1	-0.00	0.07	-0.70
42	76	521.8	-1897.7	-28.2	0.00	0.01	-2.46
	55	-629.4	2346.3	28.2	-0.00	0.06	-2.40
43	76	-128.1	-1929.3	20.3	0.00	-0.05	-2.44
	55	20.4	2377.8	-20.3	-0.00	0.00	-2.43
44	76	-667.5	-1894.8	62.1	0.01	-0.07	-2.51
	55	559.8	2343.3	-62.1	-0.01	-0.08	-2.28
45	76	1144.9	-1959.5	-77.0	0.00	0.02	-2.35
	55	-1252.5	2408.1	77.0	-0.00	0.16	-2.63
46	76	1696.6	-1950.9	-118.7	0.00	0.06	-2.34
	55	-1804.3	2399.5	118.7	-0.00	0.22	-2.66
47	76	1711.0	-1900.6	-118.5	0.00	0.08	-2.41
	55	-1818.6	2349.2	118.5	-0.00	0.19	-2.51
48	76	1171.6	-1866.1	-76.8	0.00	0.06	-2.48
	55	-1279.2	2314.7	76.8	-0.00	0.12	-2.37
49	76	-653.1	-1844.5	62.2	0.01	-0.05	-2.58
	55	545.4	2293.0	-62.2	-0.01	-0.10	-2.14
50	76	-101.4	-1835.9	20.6	0.01	-0.01	-2.57
	55	-6.3	2284.4	-20.6	-0.01	-0.04	-2.16
51	76	-420.3	-415.6	23.3	0.00	-0.04	-0.66
	55	312.6	864.2	-23.3	-0.00	-0.01	-0.76
52	76	-851.2	-387.6	56.8	0.00	-0.06	-0.72

	55	743.5	836.2	-56.8	-0.00	-0.08	-0.64
53	76	601.1	-440.1	-54.9	-0.00	0.02	-0.58
	55	-708.7	888.7	54.9	0.00	0.11	-0.92
54	76	1045.6	-433.1	-88.5	-0.00	0.05	-0.58
	55	-1153.2	881.7	88.5	0.00	0.16	-0.94
55	76	1061.5	-392.2	-88.6	0.00	0.06	-0.63
	55	-1169.1	840.8	88.6	-0.00	0.14	-0.82
56	76	630.6	-364.2	-55.2	0.00	0.05	-0.69
	55	-738.3	812.7	55.2	-0.00	0.08	-0.70
57	76	-835.2	-346.7	56.6	0.00	-0.04	-0.78
	55	727.6	795.3	-56.6	-0.00	-0.10	-0.52
58	76	-390.7	-339.7	23.0	0.00	-0.01	-0.77
	55	283.1	788.3	-23.0	-0.00	-0.05	-0.54
1	74	193.7	-509.7	-13.5	-0.00	0.01	-0.88
	54	-333.7	1092.8	13.5	0.00	0.02	-0.95
2	74	823.3	-2531.9	-15.3	-0.01	0.02	-3.28
	54	-963.2	3115.1	15.3	0.01	0.02	-3.18
3	74	-5176.2	-2499.6	-115.2	-0.00	0.06	-3.23
	54	5036.3	3082.8	115.2	0.00	0.20	-3.16
4	74	-5249.2	-3427.9	-95.3	-0.00	0.06	-4.49
	54	5109.3	4011.0	95.3	0.00	0.15	-4.02
5	74	-5061.8	-2481.5	-123.7	-0.00	0.06	-3.24
	54	4921.8	3064.6	123.7	0.00	0.22	-3.10
6	74	-4935.7	-1786.5	-133.6	-0.00	0.06	-2.30
	54	4795.7	2369.6	133.6	0.00	0.25	-2.46
7	74	6697.3	-2584.9	94.3	-0.01	-0.03	-3.32
	54	-6837.3	3168.0	-94.3	0.01	-0.19	-3.27
8	74	6624.3	-3513.2	114.3	-0.01	-0.03	-4.58
	54	-6764.2	4096.3	-114.3	0.01	-0.23	-4.13
9	74	6811.7	-2566.7	85.8	-0.01	-0.03	-3.33
	54	-6951.7	3149.9	-85.8	0.01	-0.17	-3.21
10	74	6937.9	-1871.8	76.0	-0.01	-0.03	-2.38
	54	-7077.8	2454.9	-76.0	0.01	-0.14	-2.57
11	74	-5532.8	-1495.4	-111.1	-0.00	0.06	-2.03
	54	5392.8	2078.5	111.1	0.00	0.19	-2.06
12	74	6340.7	-1580.6	98.4	-0.01	-0.03	-2.11
	54	-6480.7	2163.8	-98.4	0.01	-0.20	-2.17
13	74	-5654.5	-3042.5	-77.9	-0.00	0.06	-4.13
	54	5514.5	3625.7	77.9	0.00	0.12	-3.50
14	74	6219.0	-3127.8	131.6	-0.01	-0.03	-4.21
	54	-6359.0	3710.9	-131.6	0.01	-0.27	-3.61
15	74	-5342.1	-1465.1	-125.3	-0.00	0.06	-2.05
	54	5202.1	2048.2	125.3	0.00	0.23	-1.97
16	74	6531.5	-1550.4	84.2	-0.01	-0.03	-2.13
	54	-6671.4	2133.5	-84.2	0.01	-0.16	-2.08
17	74	-5131.9	-306.8	-141.7	-0.00	0.06	-0.47
	54	4991.9	890.0	141.7	0.00	0.27	-0.90
18	74	6741.7	-392.1	67.8	-0.01	-0.04	-0.56
	54	-6881.6	975.2	-67.8	0.01	-0.12	-1.01
19	74	-9448.8	-1460.1	-184.2	-0.00	0.09	-2.00
	54	9308.9	2043.2	184.2	0.00	0.33	-2.01
20	74	10340.4	-1602.2	165.0	-0.01	-0.06	-2.15
	54	-10480.3	2185.3	-165.0	0.01	-0.32	-2.19
21	74	-9521.8	-2388.4	-164.2	0.00	0.09	-3.26
	54	9381.9	2971.5	164.2	-0.00	0.28	-2.87

	74	10267.3	-2530.5	185.0	-0.01	-0.06	-3.41
	54	-10407.3	3113.6	-185.0	0.01	-0.36	-3.05
23	74	-9334.4	-1441.9	-192.7	0.00	0.09	-2.02
	54	9194.4	2025.0	192.7	-0.00	0.35	-1.95
24	74	10454.8	-1584.0	156.5	-0.01	-0.06	-2.16
	54	-10594.8	2167.2	-156.5	0.01	-0.29	-2.13
25	74	-9208.3	-746.9	-202.5	-0.00	0.09	-1.07
	54	9068.3	1330.1	202.5	0.00	0.38	-1.31
26	74	10580.9	-889.1	146.7	-0.01	-0.06	-1.21
	54	-10720.9	1472.2	-146.7	0.01	-0.27	-1.49
27	74	1724.3	-1699.2	43.2	-0.00	-0.03	-2.17
	54	-1832.0	2147.8	-43.2	0.00	-0.06	-2.19
28	74	1254.9	-1636.9	65.6	-0.00	-0.06	-2.23
	54	-1362.5	2085.5	-65.6	0.00	-0.10	-1.99
29	74	1617.9	-1791.7	-28.5	-0.01	0.03	-2.12
	54	-1725.6	2240.2	28.5	0.01	0.04	-2.48
30	74	274.8	-1704.7	-30.3	-0.00	0.03	-2.23
	54	-382.5	2153.3	30.3	0.00	0.04	-2.20
31	74	-144.5	-1755.6	-87.1	-0.01	0.08	-2.21
	54	36.9	2204.2	87.1	0.01	0.12	-2.36
32	74	-614.0	-1693.3	-64.8	-0.00	0.06	-2.27
	54	506.3	2141.9	64.8	0.00	0.09	-2.16
33	74	53.1	-1584.0	46.1	-0.00	-0.04	-2.31
	54	-160.7	2032.5	-46.1	0.00	-0.07	-1.82
34	74	-507.6	-1600.9	7.0	-0.00	-0.01	-2.32
	54	399.9	2049.4	-7.0	0.00	-0.02	-1.87
35	74	345.3	-1022.2	-10.2	-0.00	0.01	-1.42
	54	-453.0	1470.7	10.2	0.00	0.01	-1.43
36	74	93.7	-355.0	-6.4	-0.00	0.01	-0.62
	54	-201.3	803.5	6.4	0.00	0.01	-0.71
37	74	45.0	-973.8	6.9	-0.00	0.01	-1.46
	54	-152.7	1422.4	-6.9	0.00	-0.02	-1.28
38	74	170.0	-342.9	-12.1	-0.00	0.01	-0.63
	54	-277.6	791.4	12.1	0.00	0.02	-0.67
39	74	254.1	120.4	-18.6	-0.00	0.01	0.00
	54	-361.7	328.1	18.6	0.00	0.04	-0.24
40	74	-3822.4	-319.7	-79.4	-0.00	0.04	-0.59
	54	3714.7	768.2	79.4	0.00	0.14	-0.65
41	74	4093.3	-376.5	60.2	-0.00	-0.02	-0.65
	54	-4201.0	825.1	-60.2	0.00	-0.12	-0.72
42	74	555.2	-1696.3	-10.8	-0.00	0.01	-2.22
	54	-662.8	2144.8	10.8	0.00	0.01	-2.17
43	74	1757.1	-1698.0	45.5	-0.00	-0.04	-2.17
	54	-1864.8	2146.6	-45.5	0.00	-0.07	-2.18
44	74	1293.3	-1635.6	67.7	-0.00	-0.06	-2.23
	54	-1401.0	2084.2	-67.7	0.00	-0.10	-1.99
45	74	1619.2	-1791.5	-27.6	-0.01	0.03	-2.12
	54	-1726.9	2240.0	27.6	0.01	0.04	-2.47
46	74	1037.2	-1809.1	-68.0	-0.01	0.07	-2.14
	54	-1144.8	2257.7	68.0	0.01	0.10	-2.53
47	74	-183.0	-1756.9	-89.3	-0.01	0.08	-2.22
	54	75.3	2205.5	89.3	0.01	0.12	-2.36
48	74	-646.8	-1694.5	-67.0	-0.00	0.06	-2.27
	54	539.1	2143.1	67.0	0.00	0.09	-2.16
49	74	73.2	-1583.4	46.5	-0.00	-0.04	-2.31
	54	-180.8	2032.0	-46.5	0.00	-0.07	-1.82

	74	-508.8	-1601.1	6.1	-0.00	-0.01	-2.32
	54	401.2	2049.6	-6.1	0.00	-0.01	-1.87
51	74	1106.3	-349.6	36.1	-0.00	-0.03	-0.58
	54	-1213.9	798.2	-36.1	0.00	-0.05	-0.69
52	74	733.4	-299.2	53.9	-0.00	-0.05	-0.63
	54	-841.0	747.8	-53.9	0.00	-0.08	-0.54
53	74	992.3	-425.0	-22.9	-0.00	0.02	-0.54
	54	-1099.9	873.6	22.9	0.00	0.04	-0.93
54	74	521.7	-439.2	-55.7	-0.00	0.05	-0.55
	54	-629.3	887.8	55.7	0.00	0.08	-0.97
55	74	-462.4	-397.0	-73.1	-0.00	0.07	-0.62
	54	354.7	845.5	73.1	0.00	0.10	-0.84
56	74	-835.3	-346.6	-55.3	-0.00	0.05	-0.66
	54	727.6	795.1	55.3	0.00	0.08	-0.68
57	74	-250.7	-257.0	36.5	-0.00	-0.04	-0.69
	54	143.0	705.6	-36.5	0.00	-0.05	-0.40
58	74	-721.3	-271.2	3.7	-0.00	-0.01	-0.70
	54	613.6	719.8	-3.7	0.00	-0.01	-0.44
1	72	1628.6	-505.8	-350.6	0.15	0.49	-3.63
	49	-3364.1	7737.1	350.6	-0.15	0.31	-5.80
2	72	2418.1	-3318.1	-578.6	0.23	0.78	-5.93
	49	-4153.6	10549.3	578.6	-0.23	0.54	-9.94
3	72	22925.2	-992.2	-461.2	0.36	0.40	-4.87
	49	-24660.7	8223.5	461.2	-0.36	0.66	-5.68
4	72	19579.8	-685.0	-112.9	0.11	0.33	-7.03
	49	-21315.3	7916.3	112.9	-0.11	-0.07	-2.81
5	72	23476.0	-180.9	-66.4	0.04	0.13	-5.60
	49	-25211.5	7412.2	66.4	-0.04	0.02	-3.09
6	72	28143.5	-572.0	-331.9	0.24	0.19	-3.96
	49	-29879.0	7803.2	331.9	-0.24	0.57	-5.62
7	72	-18701.5	-6564.3	-1148.5	0.47	1.46	-6.15
	49	16966.0	13795.5	1148.5	-0.47	1.16	-17.14
8	72	-22046.9	-6257.1	-800.3	0.22	1.40	-8.31
	49	20311.4	13488.3	800.3	-0.22	0.43	-14.28
9	72	-18150.7	-5753.0	-753.8	0.15	1.20	-6.88
	49	16415.2	12984.2	753.8	-0.15	0.53	-14.56
10	72	-13483.2	-6144.0	-1019.2	0.35	1.26	-5.24
	49	11747.7	13375.3	1019.2	-0.35	1.07	-17.09
11	72	22326.3	107.1	-497.9	0.44	0.35	-3.44
	49	-24061.8	7124.2	497.9	-0.44	0.79	-4.59
12	72	-19300.4	-5465.0	-1185.3	0.55	1.42	-4.72
	49	17564.9	12696.2	1185.3	-0.55	1.29	-16.05
13	72	16750.7	619.1	82.5	0.02	0.25	-7.05
	49	-18486.2	6612.1	-82.5	-0.02	-0.43	0.19
14	72	-24876.1	-4952.9	-604.9	0.13	1.31	-8.33
	49	23140.6	12184.2	604.9	-0.13	0.07	-11.27
15	72	23244.3	1459.3	160.0	-0.10	-0.09	-4.66
	49	-24979.8	5771.9	-160.0	0.10	-0.28	-0.27
16	72	-18382.4	-4112.8	-527.4	0.01	0.98	-5.95
	49	16646.9	11344.0	527.4	-0.01	0.23	-11.74
17	72	31023.5	807.5	-282.4	0.24	0.01	-1.93
	49	-32759.0	6423.7	282.4	-0.24	0.63	-4.49
18	72	-10603.2	-4764.5	-969.8	0.35	1.08	-3.21
	49	8867.7	11995.8	969.8	-0.35	1.14	-15.96
19	72	36406.1	2271.2	-118.0	0.28	-0.10	-3.29

	49	-38141.6	4960.0	118.0	-0.28	0.37	0.22
20	72	-32971.8	-7015.5	-1263.6	0.46	1.67	-5.43
	49	31236.3	14246.8	1263.6	-0.46	1.22	-18.90
21	72	33060.7	2578.5	230.2	0.03	-0.17	-5.46
	49	-34796.2	4652.8	-230.2	-0.03	-0.36	3.09
22	72	-36317.2	-6708.3	-915.4	0.21	1.61	-7.60
	49	34581.7	13939.5	915.4	-0.21	0.48	-16.03
23	72	36956.8	3082.6	276.8	-0.04	-0.37	-4.03
	49	-38692.3	4148.7	-276.8	0.04	-0.27	2.81
24	72	-32421.0	-6204.2	-868.8	0.14	1.41	-6.16
	49	30685.5	13435.4	868.8	-0.14	0.58	-16.31
25	72	41624.4	2691.5	11.3	0.16	-0.31	-2.39
	49	-43359.9	4539.8	-11.3	-0.16	0.28	0.27
26	72	-27753.5	-6595.3	-1134.3	0.34	1.47	-4.52
	49	26018.0	13826.5	1134.3	-0.34	1.13	-18.84
27	72	3206.0	-2112.2	376.3	0.07	-0.38	-4.31
	49	-4541.0	7674.7	-376.3	-0.07	-0.49	-6.89
28	72	1709.0	403.1	1023.5	0.04	-0.95	-5.04
	49	-3044.0	5159.4	-1023.5	-0.04	-1.42	-0.41
29	72	4469.9	-6042.6	-1162.0	0.20	1.15	-3.18
	49	-5804.9	11605.1	1162.0	-0.20	1.54	-17.01
30	72	1561.2	-2704.2	-754.5	0.22	0.94	-4.14
	49	-2896.2	8266.7	754.5	-0.22	0.80	-8.41
31	72	1827.2	-4957.7	-1861.3	0.32	2.09	-3.50
	49	-3162.2	10520.2	1861.3	-0.32	2.21	-14.21
32	72	330.2	-2442.5	-1214.0	0.29	1.52	-4.22
	49	-1665.2	8005.0	1214.0	-0.29	1.28	-7.73
33	72	-520.1	2341.6	995.5	0.08	-0.75	-5.60
	49	-814.9	3220.9	-995.5	-0.08	-1.56	4.59
34	72	-933.7	1487.9	324.2	0.16	-0.01	-5.35
	49	-401.3	4074.6	-324.2	-0.16	-0.75	2.39
35	72	1504.9	-1339.9	-342.8	0.15	0.47	-3.50
	49	-2839.9	6902.4	342.8	-0.15	0.31	-5.93
36	72	1037.6	-709.3	-417.6	0.24	0.48	-2.46
	49	-2372.6	6271.8	417.6	-0.24	0.48	-5.53
37	72	-1192.7	-504.5	-185.5	0.08	0.43	-3.90
	49	-142.3	6067.0	185.5	-0.08	-0.01	-3.62
38	72	1404.8	-168.4	-154.4	0.03	0.30	-2.95
	49	-2739.8	5730.9	154.4	-0.03	0.05	-3.80
39	72	4516.5	-429.1	-331.4	0.17	0.34	-1.86
	49	-5851.5	5991.6	331.4	-0.17	0.42	-5.49
40	72	15117.3	1454.8	-37.7	0.09	0.02	-2.31
	49	-16452.3	4107.7	37.7	-0.09	0.07	-0.72
41	72	-12633.8	-2259.9	-495.9	0.16	0.73	-3.17
	49	11298.8	7822.4	495.9	-0.16	0.41	-8.37
42	72	1768.1	-2277.3	-418.9	0.18	0.57	-4.27
	49	-3103.1	7839.8	418.9	-0.18	0.39	-7.31
43	72	3192.5	-2101.3	405.6	0.07	-0.42	-4.32
	49	-4527.5	7663.8	-405.6	-0.07	-0.52	-6.86
44	72	1765.1	514.0	1086.1	0.03	-1.02	-5.07
	49	-3100.1	5048.5	-1086.1	-0.03	-1.50	-0.12
45	72	4360.3	-6191.0	-1203.7	0.19	1.18	-3.14
	49	-5695.3	11753.5	1203.7	-0.19	1.60	-17.39
46	72	3933.9	-7081.3	-1902.5	0.27	1.95	-2.88
	49	-5268.9	12643.8	1902.5	-0.27	2.44	-19.68
47	72	1771.1	-5068.7	-1923.8	0.32	2.15	-3.46

	49	-3106.1	10631.2	1923.8	-0.32	2.28	-14.49
48	72	343.6	-2453.4	-1243.3	0.29	1.55	-4.22
	49	-1678.6	8015.9	1243.3	-0.29	1.30	-7.76
49	72	-397.7	2526.6	1064.8	0.09	-0.82	-5.65
	49	-937.3	3035.9	-1064.8	-0.09	-1.65	5.06
50	72	-824.2	1636.4	365.9	0.16	-0.05	-5.39
	49	-510.8	3926.1	-365.9	-0.16	-0.81	2.77
51	72	2387.6	-259.3	399.9	0.03	-0.43	-2.78
	49	-3722.6	5821.8	-399.9	-0.03	-0.50	-4.18
52	72	1232.2	1846.4	943.5	0.00	-0.90	-3.38
	49	-2567.2	3716.1	-943.5	-0.00	-1.28	1.24
53	72	3337.8	-3553.1	-891.2	0.13	0.86	-1.83
	49	-4672.8	9115.6	891.2	-0.13	1.20	-12.66
54	72	2996.9	-4270.7	-1454.3	0.20	1.48	-1.63
	49	-4331.9	9833.2	1454.3	-0.20	1.87	-14.51
55	72	1251.3	-2651.4	-1477.1	0.24	1.65	-2.09
	49	-2586.3	8213.9	1477.1	-0.24	1.75	-10.33
56	72	96.0	-545.8	-933.5	0.21	1.17	-2.70
	49	-1431.0	6108.3	933.5	-0.21	0.97	-4.91
57	72	-513.4	3465.7	920.7	0.05	-0.73	-3.85
	49	-821.6	2096.8	-920.7	-0.05	-1.40	5.42
58	72	-854.3	2748.0	357.6	0.11	-0.11	-3.65
	49	-480.7	2814.5	-357.6	-0.11	-0.73	3.57
1	71	-198.9	-709.8	36.4	0.17	-0.03	-7.45
	49	-1664.4	11689.3	-36.4	-0.17	-0.08	-11.94
2	71	1024.3	-3664.8	78.9	0.36	-0.07	-12.79
	49	-3446.7	17938.8	-78.9	-0.36	-0.18	-19.54
3	71	11713.1	-1676.9	7.5	0.08	-0.02	-11.19
	49	-14135.5	16764.4	128.6	-0.08	0.14	-15.66
4	71	14330.4	-1427.5	111.4	-0.03	-0.06	-11.42
	49	-16752.8	16514.9	-247.5	0.03	-0.44	-14.63
5	71	7035.1	-544.1	94.9	-0.01	-0.05	-8.97
	49	-9457.5	14208.0	-196.9	0.01	-0.36	-12.74
6	71	7007.7	-737.6	18.7	0.08	-0.02	-8.76
	49	-9430.1	14401.5	83.4	-0.08	0.07	-13.57
7	71	-4424.9	-6959.2	50.3	0.75	-0.09	-16.92
	49	2002.5	22046.7	85.8	-0.75	0.07	-26.78
8	71	-1807.6	-6709.7	154.2	0.64	-0.13	-17.15
	49	-614.8	21797.2	-290.3	-0.64	-0.51	-25.75
9	71	-9102.9	-5826.4	137.7	0.66	-0.12	-14.71
	49	6680.5	19490.3	-239.8	-0.66	-0.43	-23.87
10	71	-9130.3	-6019.8	61.5	0.75	-0.09	-14.50
	49	6707.9	19683.8	40.6	-0.75	0.00	-24.69
11	71	12848.1	-635.0	-47.2	0.02	0.01	-9.36
	49	-14990.9	14617.5	274.0	-0.02	0.38	-12.98
12	71	-3290.0	-5917.3	-4.3	0.69	-0.06	-15.09
	49	1147.2	19899.8	231.2	-0.69	0.31	-24.11
13	71	17210.2	-219.2	126.0	-0.17	-0.06	-9.75
	49	-19353.0	14201.7	-352.9	0.17	-0.59	-11.27
14	71	1072.2	-5501.4	168.9	0.51	-0.13	-15.48
	49	-3215.0	19484.0	-395.7	-0.51	-0.66	-22.39
15	71	5051.4	1253.1	98.5	-0.13	-0.04	-5.67
	49	-7194.2	10356.8	-268.6	0.13	-0.46	-8.12
16	71	-11086.7	-4029.2	141.3	0.55	-0.11	-11.41
	49	8943.8	15639.1	-311.5	-0.55	-0.53	-19.25

	71	5005.7	930.7	-28.5	0.02	0.01	-5.32
	49	-7148.5	10679.2	198.6	-0.02	0.27	-9.50
18	71	-11132.3	-4351.6	14.3	0.70	-0.06	-11.06
	49	8989.5	15961.5	155.8	-0.70	0.20	-20.62
19	71	16480.9	1561.3	-28.1	-0.24	0.02	-6.60
	49	-18623.7	11878.9	164.2	0.24	0.21	-8.15
20	71	-10415.9	-7242.5	43.3	0.88	-0.09	-16.16
	49	8273.0	20682.7	92.8	-0.88	0.10	-26.69
21	71	19098.2	1810.8	75.8	-0.35	-0.02	-6.84
	49	-21241.0	11629.4	-211.9	0.35	-0.37	-7.12
22	71	-7798.6	-6993.0	147.2	0.77	-0.13	-16.39
	49	5655.8	20433.2	-283.3	-0.77	-0.48	-25.67
23	71	11802.9	2694.2	59.3	-0.33	-0.01	-4.39
	49	-13945.7	9322.5	-161.4	0.33	-0.29	-5.23
24	71	-15093.9	-6109.7	130.7	0.79	-0.12	-13.95
	49	12951.1	18126.3	-232.8	-0.79	-0.40	-23.78
25	71	11775.5	2500.7	-16.9	-0.24	0.02	-4.18
	49	-13918.3	9515.9	118.9	0.24	0.14	-6.06
26	71	-15121.3	-6303.1	54.5	0.88	-0.10	-13.74
	49	12978.4	18319.7	47.6	-0.88	0.03	-24.60
27	71	9039.6	-3318.3	482.9	0.84	-0.72	-7.96
	49	-10832.6	13883.2	-482.9	-0.84	-0.83	-17.83
28	71	2485.8	-2988.2	923.0	0.67	-1.35	-9.03
	49	-4278.7	13553.1	-923.0	-0.67	-1.61	-15.76
29	71	13263.7	-3221.8	-483.9	0.68	0.72	-7.18
	49	-15056.6	13786.7	483.9	-0.68	0.83	-18.36
30	71	-592.6	-2258.9	-138.8	0.11	0.25	-9.38
	49	-1200.3	12823.8	138.8	-0.11	0.20	-13.31
31	71	-737.8	-1942.4	-812.1	-0.16	1.26	-9.33
	49	-1055.2	12507.3	812.1	0.16	1.35	-12.47
32	71	-7291.6	-1612.3	-372.0	-0.32	0.62	-10.40
	49	5498.7	12177.2	372.0	0.32	0.58	-10.40
33	71	-8582.4	-2121.6	983.2	0.13	-1.41	-10.76
	49	6789.5	12686.5	-983.2	-0.13	-1.74	-11.47
34	71	-11515.6	-1708.8	594.8	-0.16	-0.81	-11.17
	49	9722.7	12273.7	-594.8	0.16	-1.09	-9.87
35	71	466.3	-1480.3	41.3	0.20	-0.04	-7.40
	49	-2072.8	10947.0	-41.3	-0.20	-0.09	-11.58
36	71	1805.1	-930.9	-6.3	0.17	-0.01	-6.46
	49	-3225.3	9841.7	97.0	-0.17	0.13	-10.17
37	71	3549.9	-764.5	63.0	0.09	-0.04	-6.62
	49	-4970.1	9675.3	-153.7	-0.09	-0.26	-9.49
38	71	-1313.6	-175.6	52.0	0.11	-0.03	-4.99
	49	-106.6	8137.4	-120.0	-0.11	-0.20	-8.23
39	71	-1331.9	-304.6	1.2	0.17	-0.02	-4.85
	49	-88.3	8266.4	66.9	-0.17	0.08	-8.78
40	71	5437.9	1265.4	12.8	-0.09	-0.00	-3.71
	49	-6858.1	7103.1	-12.8	0.09	-0.04	-5.34
41	71	-5320.8	-2256.1	41.4	0.36	-0.05	-7.53
	49	3900.6	10624.6	-41.4	-0.36	-0.08	-12.76
42	71	874.0	-2465.3	55.4	0.26	-0.05	-9.18
	49	-2666.9	13030.2	-55.4	-0.26	-0.13	-14.11
43	71	9273.2	-3339.8	499.0	0.85	-0.75	-7.91
	49	-11066.1	13904.7	-499.0	-0.85	-0.86	-17.92
44	71	2447.5	-3005.1	961.3	0.69	-1.41	-9.03
	49	-4240.4	13570.0	-961.3	-0.69	-1.66	-15.79

	71	13746.1	-3235.3	-512.6	0.68	0.76	-7.10
	49	-15539.0	13800.1	512.6	-0.68	0.88	-18.48
46	71	10754.3	-2811.0	-917.4	0.37	1.38	-7.52
	49	-12547.3	13375.9	917.4	-0.37	1.56	-16.84
47	71	-699.4	-1925.5	-850.4	-0.18	1.32	-9.33
	49	-1093.5	12490.4	850.4	0.18	1.41	-12.43
48	71	-7525.1	-1590.9	-388.1	-0.34	0.65	-10.45
	49	5732.2	12155.7	388.1	0.34	0.60	-10.31
49	71	-9006.3	-2119.7	1028.3	0.15	-1.47	-10.83
	49	7213.4	12684.5	-1028.3	-0.15	-1.82	-11.39
50	71	-11998.1	-1695.4	623.5	-0.16	-0.85	-11.26
	49	10205.1	12260.3	-623.5	0.16	-1.14	-9.74
51	71	6887.4	-1209.6	385.0	0.62	-0.59	-4.59
	49	-8307.5	9578.2	-385.0	-0.62	-0.65	-12.16
52	71	1381.1	-936.8	754.6	0.49	-1.12	-5.49
	49	-2801.3	9305.3	-754.6	-0.49	-1.29	-10.44
53	71	10458.3	-1123.4	-426.1	0.47	0.62	-3.94
	49	-11878.5	9491.9	426.1	-0.47	0.74	-12.60
54	71	8012.9	-776.6	-751.7	0.22	1.11	-4.29
	49	-9433.1	9145.1	751.7	-0.22	1.29	-11.25
55	71	-1264.0	-53.8	-700.4	-0.22	1.07	-5.74
	49	-156.2	8422.3	700.4	0.22	1.17	-7.66
56	71	-6770.3	219.0	-330.8	-0.35	0.54	-6.65
	49	5350.1	8149.5	330.8	0.35	0.53	-5.94
57	71	-7895.8	-214.0	805.9	0.04	-1.17	-6.95
	49	6475.6	8582.5	-805.9	-0.04	-1.41	-6.85
58	71	-10341.2	132.7	480.3	-0.21	-0.67	-7.30
	49	8921.0	8235.8	-480.3	0.21	-0.87	-5.50
1	150	231.8	-668.9	-10.1	0.01	-0.00	-0.60
	120	-332.5	1088.2	10.1	-0.01	0.02	-0.85
2	150	875.8	-2719.5	-23.0	0.04	-0.00	-2.18
	120	-976.4	3138.8	23.0	-0.04	0.04	-2.64
3	150	-31.7	-3643.0	-13.2	0.05	-0.00	-3.12
	120	-68.9	4062.4	13.2	-0.05	0.03	-3.22
4	150	193.8	-2622.6	-28.5	0.04	-0.00	-2.28
	120	-294.4	3042.0	28.5	-0.04	0.05	-2.38
5	150	374.7	-1852.1	-27.2	0.03	0.00	-1.66
	120	-475.4	2271.5	27.2	-0.03	0.04	-1.73
6	150	188.6	-2615.7	-15.3	0.04	0.00	-2.29
	120	-289.2	3035.0	15.3	-0.04	0.02	-2.36
7	150	1333.3	-3842.9	-16.9	0.07	-0.01	-2.91
	120	-1433.9	4262.3	16.9	-0.07	0.04	-3.76
8	150	1558.8	-2822.5	-32.2	0.05	-0.01	-2.08
	120	-1659.4	3241.9	32.2	-0.05	0.07	-2.91
9	150	1739.7	-2052.0	-30.9	0.04	-0.01	-1.45
	120	-1840.4	2471.4	30.9	-0.04	0.06	-2.27
10	150	1553.6	-2815.6	-19.0	0.05	-0.01	-2.09
	120	-1654.2	3234.9	19.0	-0.05	0.04	-2.89
11	150	-503.7	-3300.0	-1.4	0.05	-0.01	-2.88
	120	403.0	3719.4	1.4	-0.05	0.01	-2.90
12	150	861.3	-3499.9	-5.1	0.06	-0.02	-2.67
	120	-962.0	3919.3	5.1	-0.06	0.02	-3.43
13	150	-127.9	-1599.4	-26.9	0.02	-0.01	-1.49
	120	27.3	2018.7	26.9	-0.02	0.05	-1.49
14	150	1237.1	-1799.3	-30.6	0.03	-0.01	-1.28

	120	-1337.7	2218.6	30.6	-0.03	0.07	-2.02
15	150	173.7	-315.2	-24.8	0.00	0.00	-0.45
	120	-274.3	734.5	24.8	-0.00	0.04	-0.41
16	150	1538.7	-515.1	-28.5	0.01	-0.00	-0.25
	120	-1639.3	934.4	28.5	-0.01	0.05	-0.95
17	150	-136.5	-1587.8	-5.0	0.02	0.01	-1.50
	120	35.9	2007.2	5.0	-0.02	0.00	-1.46
18	150	1228.5	-1787.7	-8.7	0.04	-0.00	-1.30
	120	-1329.1	2207.1	8.7	-0.04	0.02	-1.99
19	150	-808.7	-2551.1	-5.5	0.03	-0.00	-2.39
	120	708.0	2970.4	5.5	-0.03	0.01	-2.15
20	150	1466.3	-2884.3	-11.7	0.05	-0.02	-2.05
	120	-1567.0	3303.6	11.7	-0.05	0.03	-3.04
21	150	-583.2	-1530.7	-20.8	0.02	-0.00	-1.56
	120	482.6	1950.0	20.8	-0.02	0.04	-1.30
22	150	1691.8	-1863.9	-26.9	0.04	-0.02	-1.22
	120	-1792.4	2283.2	26.9	-0.04	0.06	-2.20
23	150	-402.3	-760.2	-19.5	0.01	0.01	-0.94
	120	301.6	1179.5	19.5	-0.01	0.03	-0.66
24	150	1872.7	-1093.3	-25.7	0.03	-0.01	-0.59
	120	-1973.4	1512.7	25.7	-0.03	0.05	-1.55
25	150	-588.4	-1523.8	-7.7	0.02	0.01	-1.57
	120	487.7	1943.1	7.7	-0.02	0.01	-1.29
26	150	1686.6	-1856.9	-13.8	0.04	-0.01	-1.22
	120	-1787.2	2276.3	13.8	-0.04	0.03	-2.18
27	150	992.2	-1880.5	-62.1	0.04	-0.02	-1.31
	120	-1069.7	2203.1	62.1	-0.04	0.11	-2.05
28	150	871.9	-1903.1	-107.8	0.03	-0.07	-1.27
	120	-949.3	2225.7	107.8	-0.03	0.24	-2.12
29	150	894.7	-1812.9	39.2	0.04	0.07	-1.49
	120	-972.1	2135.4	-39.2	-0.04	-0.13	-1.76
30	150	490.2	-1815.2	4.1	0.03	0.01	-1.54
	120	-567.6	2137.8	-4.1	-0.03	-0.01	-1.71
31	150	312.4	-1762.7	74.9	0.03	0.06	-1.69
	120	-389.8	2085.3	-74.9	-0.03	-0.18	-1.48
32	150	192.1	-1785.3	29.2	0.02	0.01	-1.65
	120	-269.5	2107.9	-29.2	-0.02	-0.05	-1.55
33	150	493.6	-1888.3	-113.3	0.02	-0.10	-1.35
	120	-571.0	2210.9	113.3	-0.02	0.28	-2.01
34	150	289.7	-1853.0	-72.2	0.02	-0.08	-1.47
	120	-367.1	2175.5	72.2	-0.02	0.19	-1.84
35	150	377.5	-1149.4	-12.2	0.02	-0.00	-0.95
	120	-454.9	1471.9	12.2	-0.02	0.02	-1.20
36	150	12.9	-1148.1	-2.6	0.02	-0.01	-0.98
	120	-90.3	1470.7	2.6	-0.02	0.01	-1.18
37	150	163.2	-467.9	-12.8	0.01	-0.01	-0.42
	120	-240.6	790.4	12.8	-0.01	0.03	-0.61
38	150	283.8	45.8	-11.9	0.00	-0.00	-0.01
	120	-361.2	276.8	11.9	-0.00	0.02	-0.18
39	150	159.7	-463.3	-4.0	0.01	-0.00	-0.43
	120	-237.1	785.8	4.0	-0.01	0.01	-0.60
40	150	-292.1	-399.2	-6.7	0.00	-0.00	-0.49
	120	214.7	721.7	6.7	-0.00	0.01	-0.43
41	150	617.9	-532.5	-9.1	0.01	-0.01	-0.35
	120	-695.3	855.0	9.1	-0.01	0.02	-0.79
42	150	592.2	-1832.9	-16.5	0.03	-0.00	-1.48

	120	-669.6	2155.5	16.5	-0.03	0.03	-1.80
43	150	1001.8	-1882.3	-63.7	0.04	-0.02	-1.30
	120	-1079.2	2204.8	63.7	-0.04	0.12	-2.06
44	150	880.3	-1906.2	-110.9	0.03	-0.07	-1.26
	120	-957.7	2228.8	110.9	-0.03	0.25	-2.14
45	150	899.4	-1811.4	41.0	0.04	0.07	-1.49
	120	-976.8	2134.0	-41.0	-0.04	-0.14	-1.76
46	150	690.1	-1774.6	83.5	0.04	0.10	-1.61
	120	-767.5	2097.2	-83.5	-0.04	-0.23	-1.58
47	150	304.1	-1759.6	78.0	0.03	0.06	-1.70
	120	-381.5	2082.2	-78.0	-0.03	-0.19	-1.46
48	150	182.5	-1783.6	30.7	0.02	0.01	-1.66
	120	-259.9	2106.1	-30.7	-0.02	-0.06	-1.54
49	150	494.3	-1891.2	-116.4	0.02	-0.10	-1.35
	120	-571.7	2213.8	116.4	-0.02	0.29	-2.02
50	150	284.9	-1854.4	-73.9	0.02	-0.08	-1.47
	120	-362.4	2177.0	73.9	-0.02	0.20	-1.84
51	150	497.3	-505.9	-46.0	0.02	-0.01	-0.28
	120	-574.7	828.4	46.0	-0.02	0.09	-0.82
52	150	398.0	-525.0	-83.7	0.01	-0.06	-0.25
	120	-475.4	847.5	83.7	-0.01	0.19	-0.88
53	150	413.8	-448.9	37.9	0.02	0.06	-0.43
	120	-491.2	771.4	-37.9	-0.02	-0.12	-0.58
54	150	242.9	-419.1	72.1	0.01	0.08	-0.53
	120	-320.3	741.7	-72.1	-0.01	-0.19	-0.43
55	150	-72.3	-406.7	68.0	0.01	0.05	-0.60
	120	-5.1	729.3	-68.0	-0.01	-0.16	-0.34
56	150	-171.6	-425.8	30.2	0.00	0.01	-0.57
	120	94.2	748.3	-30.2	-0.00	-0.05	-0.40
57	150	82.8	-512.5	-87.9	0.00	-0.08	-0.32
	120	-160.2	835.1	87.9	-0.00	0.23	-0.78
58	150	-88.1	-482.8	-53.7	0.00	-0.06	-0.41
	120	10.7	805.3	53.7	-0.00	0.15	-0.64
1	180	-75.0	609.5	-18.2	0.01	0.03	0.07
	150	-25.6	-190.2	18.2	-0.01	0.00	0.59
2	180	-178.8	1674.8	-31.2	0.04	0.05	0.24
	150	78.2	-1255.5	31.2	-0.04	0.00	2.17
3	180	-1086.3	2333.0	-63.8	0.05	0.10	0.40
	150	985.7	-1913.7	63.8	-0.05	0.00	3.09
4	180	-860.9	1771.7	-77.1	0.04	0.12	0.31
	150	760.2	-1352.3	77.1	-0.04	0.00	2.26
5	180	-679.9	1355.9	-60.0	0.03	0.10	0.24
	150	579.3	-936.5	60.0	-0.03	-0.00	1.65
6	180	-866.0	1778.6	-47.5	0.04	0.08	0.31
	150	765.4	-1359.3	47.5	-0.04	-0.00	2.27
7	180	278.7	2133.1	-3.6	0.07	-0.01	0.28
	150	-379.3	-1713.8	3.6	-0.07	0.01	2.89
8	180	504.1	1571.8	-16.8	0.05	0.01	0.18
	150	-604.8	-1152.4	16.8	-0.05	0.01	2.06
9	180	685.1	1156.0	0.2	0.04	-0.01	0.11
	150	-785.7	-736.6	-0.2	-0.04	0.01	1.44
10	180	499.0	1578.7	12.7	0.05	-0.03	0.18
	150	-599.6	-1159.4	-12.7	-0.05	0.01	2.07
11	180	-1184.4	2172.6	-59.0	0.05	0.09	0.38
	150	1083.8	-1753.3	59.0	-0.05	0.01	2.85

	180	180.6	1972.7	1.2	0.06	-0.02	0.25
	150	-281.2	-1553.4	-1.2	-0.06	0.02	2.65
13	180	-808.6	1237.0	-81.0	0.02	0.13	0.22
	150	708.0	-817.7	81.0	-0.02	0.01	1.47
14	180	556.4	1037.1	-20.8	0.03	0.02	0.09
	150	-657.0	-617.8	20.8	-0.03	0.01	1.27
15	180	-507.1	544.0	-52.7	0.00	0.09	0.10
	150	406.4	-124.7	52.7	-0.00	-0.00	0.45
16	180	857.9	344.1	7.6	0.01	-0.02	-0.02
	150	-958.6	75.2	-7.6	-0.01	0.00	0.24
17	180	-817.3	1248.5	-31.9	0.02	0.06	0.22
	150	716.6	-829.2	31.9	-0.02	-0.01	1.49
18	180	547.7	1048.6	28.4	0.04	-0.05	0.09
	150	-648.4	-629.3	-28.4	-0.04	0.00	1.29
19	180	-1489.4	1867.0	-77.4	0.03	0.13	0.35
	150	1388.8	-1447.7	77.4	-0.03	0.00	2.37
20	180	785.6	1533.9	23.0	0.05	-0.05	0.14
	150	-886.2	-1114.6	-23.0	-0.05	0.02	2.03
21	180	-1264.0	1305.7	-90.6	0.02	0.15	0.26
	150	1163.3	-886.4	90.6	-0.02	0.00	1.55
22	180	1011.0	972.5	9.8	0.04	-0.03	0.05
	150	-1111.7	-553.2	-9.8	-0.04	0.02	1.21
23	180	-1083.0	889.9	-73.6	0.01	0.13	0.19
	150	982.4	-470.5	73.6	-0.01	-0.01	0.93
24	180	1192.0	556.7	26.8	0.03	-0.05	-0.02
	150	-1292.6	-137.4	-26.8	-0.03	0.01	0.59
25	180	-1269.1	1312.6	-61.1	0.02	0.11	0.26
	150	1168.5	-893.3	61.1	-0.02	-0.01	1.55
26	180	1005.9	979.4	39.3	0.04	-0.07	0.05
	150	-1106.5	-560.1	-39.3	-0.04	0.01	1.22
27	180	37.6	1025.8	-90.3	0.04	0.13	0.12
	150	-115.0	-703.2	90.3	-0.04	0.02	1.30
28	180	-57.4	991.4	-253.2	0.03	0.35	0.10
	150	-20.0	-668.8	253.2	-0.03	0.07	1.26
29	180	67.9	1168.3	204.0	0.04	-0.27	0.18
	150	-145.3	-845.7	-204.0	-0.04	-0.07	1.48
30	180	-159.3	1198.6	21.8	0.03	-0.03	0.18
	150	81.9	-876.0	-21.8	-0.03	-0.01	1.53
31	180	-192.3	1318.1	207.5	0.03	-0.28	0.23
	150	114.9	-995.5	-207.5	-0.03	-0.06	1.68
32	180	-287.3	1283.6	44.6	0.02	-0.06	0.21
	150	209.8	-961.1	-44.6	-0.02	-0.01	1.64
33	180	-248.7	1053.5	-339.1	0.02	0.46	0.12
	150	171.2	-730.9	339.1	-0.02	0.10	1.34
34	180	-317.6	1141.2	-249.8	0.02	0.33	0.15
	150	240.2	-818.6	249.8	-0.02	0.08	1.46
35	180	-90.2	799.6	-18.5	0.02	0.03	0.11
	150	12.8	-477.1	18.5	-0.02	0.00	0.94
36	180	-205.6	816.8	-15.9	0.02	0.02	0.11
	150	128.2	-494.2	15.9	-0.02	0.01	0.97
37	180	-55.3	442.5	-24.7	0.01	0.04	0.05
	150	-22.1	-119.9	24.7	-0.01	0.01	0.42
38	180	65.3	165.3	-13.4	0.00	0.02	0.00
	150	-142.7	157.3	13.4	-0.00	0.00	0.01
39	180	-58.8	447.1	-5.0	0.01	0.01	0.05
	150	-18.6	-124.6	5.0	-0.01	0.00	0.42

	180	-510.6	511.2	-34.3	0.00	0.06	0.09
	150	433.2	-188.6	34.3	-0.00	0.00	0.49
41	180	399.4	377.9	5.9	0.01	-0.02	0.00
	150	-476.8	-55.4	-5.9	-0.01	0.01	0.35
42	180	-124.9	1154.7	-22.9	0.03	0.03	0.17
	150	47.4	-832.2	22.9	-0.03	0.00	1.47
43	180	38.7	1021.2	-93.5	0.04	0.14	0.12
	150	-116.1	-698.6	93.5	-0.04	0.02	1.30
44	180	-58.3	985.1	-263.9	0.03	0.36	0.10
	150	-19.1	-662.5	263.9	-0.03	0.07	1.25
45	180	71.2	1169.4	214.5	0.04	-0.28	0.18
	150	-148.7	-846.8	-214.5	-0.04	-0.07	1.48
46	180	2.2	1260.3	307.9	0.04	-0.41	0.21
	150	-79.6	-937.8	-307.9	-0.04	-0.10	1.60
47	180	-191.4	1324.3	218.2	0.03	-0.30	0.23
	150	114.0	-1001.8	-218.2	-0.03	-0.06	1.69
48	180	-288.4	1288.3	47.7	0.02	-0.07	0.21
	150	211.0	-965.7	-47.7	-0.02	-0.01	1.64
49	180	-251.9	1049.1	-353.7	0.02	0.48	0.12
	150	174.5	-726.5	353.7	-0.02	0.10	1.34
50	180	-320.9	1140.0	-260.2	0.02	0.35	0.15
	150	243.5	-817.5	260.2	-0.02	0.08	1.46
51	180	77.8	336.0	-70.4	0.02	0.10	0.01
	150	-155.2	-13.5	70.4	-0.02	0.01	0.28
52	180	-0.6	307.0	-207.0	0.01	0.28	-0.01
	150	-76.9	15.5	207.0	-0.01	0.06	0.24
53	180	103.3	456.0	176.1	0.02	-0.23	0.06
	150	-180.7	-133.4	-176.1	-0.02	-0.06	0.43
54	180	46.7	529.8	250.8	0.01	-0.34	0.08
	150	-124.1	-207.2	-250.8	-0.01	-0.08	0.53
55	180	-110.7	582.1	178.6	0.01	-0.24	0.10
	150	33.3	-259.5	-178.6	-0.01	-0.05	0.60
56	180	-189.1	553.1	42.0	0.00	-0.06	0.08
	150	111.7	-230.5	-42.0	-0.00	-0.01	0.56
57	180	-158.0	359.3	-279.2	0.00	0.38	0.01
	150	80.6	-36.8	279.2	-0.00	0.08	0.31
58	180	-214.5	433.1	-204.5	0.00	0.27	0.04
	150	137.1	-110.6	204.5	-0.00	0.06	0.41
1	73	432.3	-510.3	-23.0	-0.00	0.01	-0.88
	53	-572.3	1093.4	23.0	0.00	0.04	-0.95
2	73	1106.7	-2520.5	-32.1	0.00	0.02	-3.28
	53	-1246.6	3103.7	32.1	-0.00	0.05	-3.15
3	73	-4693.2	-2460.6	-10.6	-0.00	-0.02	-3.24
	53	4553.3	3043.7	10.6	0.00	0.04	-3.06
4	73	-4697.3	-3394.1	14.7	-0.00	-0.02	-4.50
	53	4557.4	3977.2	-14.7	0.00	-0.01	-3.93
5	73	-4274.0	-2428.1	-19.3	-0.00	-0.02	-3.26
	53	4134.0	3011.2	19.3	0.00	0.07	-2.96
6	73	-4263.4	-1732.2	-34.1	-0.00	-0.02	-2.31
	53	4123.4	2315.3	34.1	0.00	0.10	-2.32
7	73	6428.0	-2617.4	-43.7	0.00	0.07	-3.30
	53	-6568.0	3200.5	43.7	-0.00	0.03	-3.35
8	73	6423.9	-3550.9	-18.4	0.00	0.07	-4.57
	53	-6563.9	4134.0	18.4	-0.00	-0.02	-4.23
9	73	6847.3	-2584.9	-52.4	0.00	0.06	-3.32

	53	-6987.2	3168.0	52.4	-0.00	0.06	-3.26
10	73	6857.9	-1889.0	-67.2	0.00	0.06	-2.38
	53	-6997.8	2472.1	67.2	-0.00	0.09	-2.61
11	73	-5189.9	-1467.8	-2.8	-0.00	-0.02	-2.03
	53	5050.0	2050.9	2.8	0.00	0.03	-1.99
12	73	5931.3	-1624.5	-35.9	0.00	0.06	-2.09
	53	-6071.3	2207.7	35.9	-0.00	0.02	-2.29
13	73	-5196.8	-3023.6	39.4	-0.00	-0.02	-4.14
	53	5056.9	3606.7	-39.4	0.00	-0.07	-3.45
14	73	5924.5	-3180.4	6.4	0.00	0.06	-4.20
	53	-6064.4	3763.5	-6.4	-0.00	-0.08	-3.75
15	73	-4491.2	-1413.6	-17.3	-0.00	-0.02	-2.07
	53	4351.2	1996.7	17.3	0.00	0.06	-1.84
16	73	6630.1	-1570.4	-50.4	0.00	0.06	-2.13
	53	-6770.0	2153.5	50.4	-0.00	0.05	-2.13
17	73	-4473.5	-253.8	-41.9	-0.00	-0.03	-0.49
	53	4333.6	836.9	41.9	0.00	0.12	-0.76
18	73	6647.7	-410.5	-75.0	0.00	0.06	-0.55
	53	-6787.7	993.6	75.0	-0.00	0.11	-1.06
19	73	-8737.5	-1403.2	4.9	-0.00	-0.05	-2.02
	53	8597.5	1986.3	-4.9	0.00	0.04	-1.86
20	73	9797.9	-1664.5	-50.2	0.01	0.09	-2.12
	53	-9937.9	2247.6	50.2	-0.01	0.02	-2.35
21	73	-8741.6	-2336.7	30.3	-0.00	-0.05	-3.28
	53	8601.7	2919.9	-30.3	0.00	-0.02	-2.73
22	73	9793.8	-2598.0	-24.9	0.01	0.09	-3.39
	53	-9933.8	3181.1	24.9	-0.01	-0.03	-3.23
23	73	-8318.2	-1370.7	-3.8	-0.01	-0.05	-2.04
	53	8178.3	1953.8	3.8	0.01	0.06	-1.76
24	73	10217.2	-1632.0	-58.9	0.00	0.09	-2.14
	53	-10357.1	2215.1	58.9	-0.00	0.05	-2.26
25	73	-8307.6	-674.8	-18.5	-0.01	-0.05	-1.09
	53	8167.7	1257.9	18.5	0.01	0.10	-1.12
26	73	10227.8	-936.1	-73.7	0.00	0.09	-1.20
	53	-10367.7	1519.2	73.7	-0.00	0.08	-1.61
27	73	121.7	-1687.1	26.0	0.00	-0.03	-2.22
	53	-229.3	2135.6	-26.0	-0.00	-0.03	-2.15
28	73	-428.0	-1618.5	51.3	0.00	-0.05	-2.28
	53	320.4	2067.1	-51.3	-0.00	-0.07	-1.94
29	73	1404.9	-1792.4	-46.6	-0.00	0.04	-2.14
	53	-1512.6	2240.9	46.6	0.00	0.08	-2.47
30	73	1039.1	-1699.9	-41.3	0.00	0.03	-2.22
	53	-1146.7	2148.4	41.3	-0.00	0.06	-2.19
31	73	1955.9	-1759.5	-97.0	-0.00	0.08	-2.17
	53	-2063.5	2208.0	97.0	0.00	0.14	-2.37
32	73	1406.2	-1690.9	-71.7	0.00	0.06	-2.22
	53	-1513.9	2139.5	71.7	-0.00	0.10	-2.16
33	73	-427.3	-1563.9	37.8	0.00	-0.04	-2.32
	53	319.7	2012.5	-37.8	-0.00	-0.06	-1.77
34	73	123.0	-1585.6	0.9	0.00	-0.01	-2.30
	53	-230.6	2034.2	-0.9	-0.00	-0.01	-1.84
35	73	539.1	-1018.9	-19.8	0.00	0.01	-1.42
	53	-646.8	1467.5	19.8	-0.00	0.03	-1.42
36	73	154.8	-361.1	-13.5	0.00	0.01	-0.61
	53	-262.5	809.7	13.5	-0.00	0.02	-0.73
37	73	152.1	-983.5	3.4	0.00	0.01	-1.46

	53	-259.7	1432.0	-3.4	-0.00	-0.02	-1.31
38	73	434.3	-339.5	-19.3	-0.00	0.01	-0.63
	53	-542.0	788.0	19.3	0.00	0.03	-0.66
39	73	441.4	124.5	-29.1	-0.00	0.01	0.00
	53	-549.0	324.1	29.1	0.00	0.06	-0.23
40	73	-3392.7	-296.6	-5.7	-0.00	-0.02	-0.60
	53	3285.1	745.1	5.7	0.00	0.03	-0.59
41	73	4021.4	-401.1	-27.8	0.00	0.04	-0.64
	53	-4129.1	849.7	27.8	-0.00	0.02	-0.79
42	73	763.9	-1689.0	-22.8	0.00	0.02	-2.22
	53	-871.6	2137.6	22.8	-0.00	0.04	-2.15
43	73	103.1	-1686.4	28.2	0.00	-0.03	-2.22
	53	-210.7	2134.9	-28.2	-0.00	-0.03	-2.15
44	73	-468.2	-1615.9	53.5	0.00	-0.05	-2.28
	53	360.5	2064.5	-53.5	-0.00	-0.07	-1.93
45	73	1432.0	-1795.1	-45.8	-0.00	0.04	-2.14
	53	-1539.7	2243.7	45.8	0.00	0.07	-2.48
46	73	1999.9	-1817.8	-84.0	-0.00	0.07	-2.13
	53	-2107.6	2266.4	84.0	0.00	0.13	-2.55
47	73	1996.0	-1762.1	-99.1	-0.00	0.09	-2.17
	53	-2103.7	2210.6	99.1	0.00	0.14	-2.37
48	73	1424.8	-1691.6	-73.8	0.00	0.06	-2.22
	53	-1532.5	2140.2	73.8	-0.00	0.11	-2.16
49	73	-472.1	-1560.2	38.4	0.00	-0.04	-2.32
	53	364.4	2008.7	-38.4	-0.00	-0.06	-1.76
50	73	95.8	-1582.9	0.2	0.00	-0.01	-2.30
	53	-203.5	2031.4	-0.2	-0.00	-0.00	-1.83
51	73	-220.1	-346.8	24.6	-0.00	-0.03	-0.62
	53	112.4	795.4	-24.6	0.00	-0.03	-0.68
52	73	-676.4	-290.0	44.9	0.00	-0.04	-0.67
	53	568.8	738.6	-44.9	-0.00	-0.06	-0.51
53	73	846.2	-434.4	-35.0	-0.00	0.03	-0.56
	53	-953.8	882.9	35.0	0.00	0.06	-0.95
54	73	1303.7	-452.6	-65.9	-0.00	0.06	-0.54
	53	-1411.4	901.2	65.9	0.00	0.10	-1.00
55	73	1305.1	-407.7	-78.4	-0.00	0.07	-0.58
	53	-1412.8	856.2	78.4	0.00	0.11	-0.87
56	73	848.8	-350.9	-58.2	-0.00	0.05	-0.62
	53	-956.4	799.4	58.2	0.00	0.08	-0.69
57	73	-675.0	-245.1	32.4	0.00	-0.03	-0.70
	53	567.4	693.6	-32.4	-0.00	-0.05	-0.37
58	73	-217.5	-263.3	1.5	0.00	-0.01	-0.69
	53	109.8	711.9	-1.5	-0.00	-0.00	-0.43
1	172	-134.3	587.9	-38.0	0.03	0.06	0.07
	142	33.6	-168.6	38.0	-0.03	0.00	0.55
2	172	-286.3	1579.0	-71.9	0.10	0.12	0.23
	142	185.7	-1159.6	71.9	-0.10	0.00	2.02
3	172	-1478.0	1624.4	-268.9	0.10	0.41	0.27
	142	1377.3	-1205.1	268.9	-0.10	0.03	2.06
4	172	-1663.8	2156.4	-251.0	0.14	0.38	0.37
	142	1563.2	-1737.1	251.0	-0.14	0.04	2.84
5	172	-1484.6	1622.7	-283.6	0.10	0.43	0.27
	142	1383.9	-1203.4	283.6	-0.10	0.03	2.06
6	172	-1307.4	1224.6	-293.0	0.07	0.45	0.19
	142	1206.8	-805.2	293.0	-0.07	0.03	1.48

	172	912.4	1535.3	141.2	0.10	-0.20	0.20
	142	-1013.0	-1116.0	-141.2	-0.10	-0.03	1.98
8	172	726.6	2067.3	159.1	0.14	-0.23	0.30
	142	-827.2	-1648.0	-159.1	-0.14	-0.03	2.76
9	172	905.8	1533.6	126.4	0.10	-0.18	0.20
	142	-1006.4	-1114.3	-126.4	-0.10	-0.03	1.98
10	172	1083.0	1135.5	117.0	0.07	-0.16	0.13
	142	-1183.6	-716.1	-117.0	-0.07	-0.03	1.39
11	172	-1399.6	1129.5	-246.5	0.07	0.37	0.19
	142	1299.0	-710.2	246.5	-0.07	0.03	1.33
12	172	990.8	1040.4	163.5	0.07	-0.24	0.12
	142	-1091.4	-621.0	-163.5	-0.07	-0.03	1.25
13	172	-1709.4	2016.2	-216.7	0.13	0.32	0.35
	142	1608.7	-1596.8	216.7	-0.13	0.04	2.62
14	172	681.0	1927.1	193.3	0.13	-0.29	0.28
	142	-781.7	-1507.7	-193.3	-0.13	-0.03	2.54
15	172	-1410.6	1126.6	-271.1	0.07	0.41	0.18
	142	1310.0	-707.3	271.1	-0.07	0.03	1.33
16	172	979.8	1037.5	139.0	0.07	-0.20	0.12
	142	-1080.4	-618.2	-139.0	-0.07	-0.03	1.25
17	172	-1115.4	463.1	-286.8	0.02	0.44	0.06
	142	1014.7	-43.7	286.8	-0.02	0.03	0.35
18	172	1275.0	374.0	123.2	0.02	-0.17	-0.00
	142	-1375.7	45.4	-123.2	-0.02	-0.03	0.27
19	172	-2198.8	1158.6	-388.6	0.07	0.58	0.21
	142	2098.1	-739.3	388.6	-0.07	0.05	1.35
20	172	1785.2	1010.1	294.8	0.07	-0.43	0.10
	142	-1885.9	-590.8	-294.8	-0.07	-0.05	1.22
21	172	-2384.6	1690.6	-370.7	0.11	0.55	0.31
	142	2284.0	-1271.3	370.7	-0.11	0.06	2.13
22	172	1599.4	1542.1	312.7	0.11	-0.46	0.20
	142	-1700.0	-1122.8	-312.7	-0.11	-0.05	2.00
23	172	-2205.4	1156.9	-403.3	0.07	0.61	0.20
	142	2104.7	-737.5	403.3	-0.07	0.06	1.35
24	172	1778.6	1008.4	280.1	0.07	-0.41	0.10
	142	-1879.3	-589.0	-280.1	-0.07	-0.05	1.22
25	172	-2028.2	758.7	-412.7	0.04	0.63	0.13
	142	1927.6	-339.4	412.7	-0.04	0.05	0.77
26	172	1955.8	610.2	270.6	0.04	-0.39	0.03
	142	-2056.4	-190.9	-270.6	-0.04	-0.05	0.63
27	172	-264.5	1053.4	-126.0	0.07	0.18	0.13
	142	187.1	-730.8	126.0	-0.07	0.03	1.33
28	172	-400.1	1095.0	-224.5	0.07	0.31	0.15
	142	322.7	-772.4	224.5	-0.07	0.06	1.39
29	172	-13.7	1017.9	76.3	0.07	-0.10	0.13
	142	-63.7	-695.3	-76.3	-0.07	-0.03	1.28
30	172	-160.4	1098.3	-12.8	0.07	0.03	0.17
	142	83.0	-775.7	12.8	-0.07	-0.01	1.38
31	172	-0.1	1090.4	123.8	0.07	-0.15	0.17
	142	-77.3	-767.9	-123.8	-0.07	-0.05	1.36
32	172	-135.7	1132.0	25.4	0.07	-0.01	0.19
	142	58.3	-809.4	-25.4	-0.07	-0.03	1.41
33	172	-465.8	1156.4	-251.9	0.07	0.36	0.18
	142	388.4	-833.9	251.9	-0.07	0.06	1.46
34	172	-386.5	1167.5	-177.0	0.08	0.26	0.19
	142	309.0	-845.0	177.0	-0.08	0.04	1.47

	172	-149.4	762.4	-39.0	0.05	0.06	0.11
	142	72.0	-439.8	39.0	-0.05	0.00	0.88
36	172	-96.4	432.6	-22.3	0.02	0.04	0.05
	142	19.0	-110.0	22.3	-0.02	0.00	0.40
37	172	-220.3	787.3	-10.4	0.05	0.02	0.12
	142	142.9	-464.7	10.4	-0.05	0.00	0.91
38	172	-100.8	431.4	-32.1	0.02	0.05	0.05
	142	23.4	-108.9	32.1	-0.02	0.00	0.39
39	172	17.3	166.0	-38.4	-0.00	0.06	0.00
	142	-94.7	156.5	38.4	0.00	-0.00	0.01
40	172	-895.5	461.7	-164.4	0.02	0.25	0.07
	142	818.1	-139.1	164.4	-0.02	0.02	0.42
41	172	698.1	402.3	109.0	0.02	-0.16	0.03
	142	-775.5	-79.7	-109.0	-0.02	-0.02	0.37
42	172	-200.1	1092.7	-50.3	0.07	0.08	0.16
	142	122.7	-770.1	50.3	-0.07	0.00	1.37
43	172	-267.4	1054.6	-130.9	0.07	0.18	0.13
	142	190.0	-732.0	130.9	-0.07	0.03	1.33
44	172	-409.3	1093.3	-230.4	0.07	0.32	0.15
	142	331.9	-770.7	230.4	-0.07	0.06	1.38
45	172	-5.1	1022.5	76.3	0.07	-0.09	0.13
	142	-72.3	-700.0	-76.3	-0.07	-0.03	1.28
46	172	77.9	1033.8	154.5	0.07	-0.20	0.14
	142	-155.3	-711.2	-154.5	-0.07	-0.06	1.29
47	172	9.1	1092.1	129.7	0.07	-0.16	0.17
	142	-86.5	-769.6	-129.7	-0.07	-0.06	1.36
48	172	-132.8	1130.8	30.3	0.07	-0.02	0.19
	142	55.4	-808.3	-30.3	-0.07	-0.03	1.41
49	172	-478.1	1151.6	-255.1	0.07	0.36	0.18
	142	400.6	-829.1	255.1	-0.07	0.06	1.45
50	172	-395.1	1162.9	-177.0	0.07	0.26	0.19
	142	317.7	-840.3	177.0	-0.07	0.04	1.46
51	172	-152.5	400.9	-92.5	0.02	0.13	0.03
	142	75.1	-78.3	92.5	-0.02	0.02	0.36
52	172	-266.2	432.4	-172.4	0.02	0.24	0.04
	142	188.8	-109.8	172.4	-0.02	0.05	0.40
53	172	57.6	374.9	74.0	0.02	-0.10	0.03
	142	-135.0	-52.3	-74.0	-0.02	-0.03	0.32
54	172	123.9	384.1	136.9	0.02	-0.18	0.04
	142	-201.3	-61.5	-136.9	-0.02	-0.05	0.33
55	172	68.7	431.6	117.0	0.02	-0.15	0.06
	142	-146.1	-109.1	-117.0	-0.02	-0.05	0.39
56	172	-45.0	463.1	37.2	0.02	-0.04	0.07
	142	-32.4	-140.6	-37.2	-0.02	-0.02	0.43
57	172	-321.4	479.9	-192.2	0.02	0.27	0.06
	142	244.0	-157.4	192.2	-0.02	0.05	0.46
58	172	-255.0	489.2	-129.4	0.02	0.19	0.07
	142	177.6	-166.6	129.4	-0.02	0.03	0.47
1	173	-94.6	504.3	-7.3	0.00	0.01	-0.04
	143	-6.0	-85.0	7.3	-0.00	0.00	0.53
2	173	-187.3	1281.0	-11.8	0.00	0.02	-0.16
	143	86.6	-861.7	11.8	-0.00	0.00	1.92
3	173	346.8	1302.3	-52.6	0.00	0.10	-0.16
	143	-447.4	-883.0	52.6	-0.00	-0.01	1.96
4	173	177.3	1712.4	-68.9	0.00	0.12	-0.22

	143	-277.9	-1293.1	68.9	-0.00	-0.01	2.69
5	173	346.8	1303.0	-67.1	0.00	0.12	-0.16
	143	-447.4	-883.7	67.1	-0.00	-0.01	1.96
6	173	485.3	995.6	-54.1	0.00	0.10	-0.11
	143	-585.9	-576.3	54.1	-0.00	-0.01	1.40
7	173	-721.3	1258.9	44.9	-0.00	-0.09	-0.16
	143	620.7	-839.6	-44.9	0.00	0.01	1.89
8	173	-890.8	1669.1	28.6	-0.00	-0.06	-0.23
	143	790.2	-1249.7	-28.6	0.00	0.02	2.63
9	173	-721.3	1259.7	30.4	-0.00	-0.06	-0.16
	143	620.6	-840.3	-30.4	0.00	0.01	1.89
10	173	-582.8	952.3	43.4	-0.00	-0.08	-0.12
	143	482.1	-532.9	-43.4	0.00	0.01	1.34
11	173	393.1	913.7	-45.0	0.00	0.08	-0.10
	143	-493.7	-494.4	45.0	-0.00	-0.01	1.26
12	173	-675.0	870.4	52.5	-0.00	-0.10	-0.10
	143	574.3	-451.0	-52.5	0.00	0.01	1.19
13	173	110.6	1597.2	-72.2	0.00	0.13	-0.20
	143	-211.2	-1177.9	72.2	-0.00	-0.01	2.49
14	173	-957.5	1553.9	25.3	-0.00	-0.06	-0.21
	143	856.9	-1134.5	-25.3	0.00	0.02	2.42
15	173	393.1	914.9	-69.2	0.00	0.12	-0.10
	143	-493.8	-495.6	69.2	-0.00	-0.01	1.26
16	173	-675.0	871.5	28.3	-0.00	-0.06	-0.10
	143	574.3	-452.2	-28.3	0.00	0.01	1.19
17	173	623.9	402.5	-47.6	0.00	0.09	-0.02
	143	-724.6	16.8	47.6	-0.00	-0.01	0.34
18	173	-444.1	359.2	50.0	-0.00	-0.09	-0.03
	143	343.5	60.1	-50.0	0.00	0.01	0.27
19	173	749.1	928.4	-82.9	0.00	0.15	-0.10
	143	-849.8	-509.1	82.9	-0.00	-0.02	1.28
20	173	-1031.0	856.2	79.7	-0.00	-0.15	-0.11
	143	930.4	-436.8	-79.7	0.00	0.02	1.17
21	173	579.6	1338.5	-99.1	0.00	0.18	-0.16
	143	-680.2	-919.2	99.1	-0.00	-0.02	2.02
22	173	-1200.5	1266.3	63.4	-0.00	-0.13	-0.17
	143	1099.9	-846.9	-63.4	0.00	0.02	1.91
23	173	749.1	929.1	-97.4	0.00	0.18	-0.10
	143	-849.8	-509.8	97.4	-0.00	-0.02	1.28
24	173	-1031.0	856.9	65.2	-0.00	-0.13	-0.11
	143	930.3	-437.5	-65.2	0.00	0.02	1.17
25	173	887.6	621.7	-84.4	0.00	0.16	-0.05
	143	-988.3	-202.4	84.4	-0.00	-0.02	0.73
26	173	-892.5	549.5	78.2	-0.00	-0.15	-0.06
	143	791.9	-130.1	-78.2	0.00	0.02	0.62
27	173	-88.5	880.6	-82.0	-0.01	0.11	-0.11
	143	11.1	-558.1	82.0	0.01	0.03	1.29
28	173	-155.8	910.2	-155.4	-0.01	0.21	-0.11
	143	78.4	-587.6	155.4	0.01	0.05	1.34
29	173	-17.5	842.2	80.9	-0.01	-0.11	-0.10
	143	-59.9	-519.7	-80.9	0.01	-0.03	1.23
30	173	-136.0	888.2	25.1	0.00	-0.03	-0.11
	143	58.6	-565.6	-25.1	-0.00	-0.01	1.31
31	173	-109.9	869.5	139.2	0.01	-0.18	-0.11
	143	32.5	-546.9	-139.2	-0.01	-0.05	1.27
32	173	-177.2	899.1	65.8	0.01	-0.08	-0.11

	143	99.8	-576.5	-65.8	-0.01	-0.03	1.33
33	173	-241.8	940.8	-163.5	0.00	0.22	-0.11
	143	164.4	-618.2	163.5	-0.00	0.05	1.40
34	173	-248.2	937.4	-97.2	0.01	0.13	-0.11
	143	170.8	-614.9	97.2	-0.01	0.03	1.39
35	173	-101.9	630.9	-6.6	0.00	0.01	-0.07
	143	24.5	-308.4	6.6	-0.00	0.00	0.84
36	173	-71.1	371.8	0.2	0.00	-0.00	-0.03
	143	-6.3	-49.2	-0.2	-0.00	0.00	0.38
37	173	-184.1	645.2	-10.6	0.00	0.02	-0.07
	143	106.7	-322.6	10.6	-0.00	0.00	0.87
38	173	-71.1	372.3	-9.4	-0.00	0.01	-0.03
	143	-6.4	-49.7	9.4	0.00	0.00	0.38
39	173	21.3	167.3	-0.8	-0.00	0.00	0.00
	143	-98.7	155.2	0.8	0.00	0.00	0.01
40	173	285.0	386.5	-37.6	0.00	0.07	-0.03
	143	-362.4	-63.9	37.6	-0.00	-0.01	0.40
41	173	-427.1	357.6	27.4	-0.00	-0.05	-0.03
	143	349.7	-35.0	-27.4	0.00	0.01	0.35
42	173	-132.8	889.8	-8.1	0.00	0.01	-0.11
	143	55.4	-567.3	8.1	-0.00	0.00	1.31
43	173	-91.9	881.8	-84.9	-0.01	0.11	-0.11
	143	14.5	-559.2	84.9	0.01	0.03	1.29
44	173	-153.5	909.0	-161.5	-0.01	0.21	-0.11
	143	76.1	-586.4	161.5	0.01	0.05	1.34
45	173	-27.1	846.1	85.1	-0.01	-0.11	-0.10
	143	-50.3	-523.5	-85.1	0.01	-0.03	1.23
46	173	-33.2	842.8	154.2	-0.00	-0.20	-0.11
	143	-44.2	-520.2	-154.2	0.00	-0.05	1.23
47	173	-112.1	870.7	145.3	0.01	-0.19	-0.11
	143	34.7	-548.1	-145.3	-0.01	-0.05	1.28
48	173	-173.7	897.9	68.7	0.01	-0.09	-0.11
	143	96.3	-575.4	-68.7	-0.01	-0.03	1.32
49	173	-232.5	936.9	-170.4	0.00	0.23	-0.11
	143	155.0	-614.3	170.4	-0.00	0.05	1.39
50	173	-238.5	933.6	-101.3	0.01	0.14	-0.11
	143	161.1	-611.0	101.3	-0.01	0.03	1.38
51	173	-37.8	365.4	-67.0	-0.01	0.09	-0.03
	143	-39.7	-42.9	67.0	0.01	0.02	0.36
52	173	-87.9	387.6	-128.3	-0.01	0.17	-0.03
	143	10.5	-65.0	128.3	0.01	0.04	0.40
53	173	15.0	336.5	69.3	-0.00	-0.09	-0.03
	143	-92.4	-13.9	-69.3	0.00	-0.02	0.31
54	173	10.0	333.8	124.8	-0.00	-0.16	-0.03
	143	-87.4	-11.2	-124.8	0.00	-0.04	0.31
55	173	-54.2	356.5	118.2	0.01	-0.15	-0.03
	143	-23.2	-34.0	-118.2	-0.01	-0.04	0.35
56	173	-104.4	378.7	56.9	0.01	-0.07	-0.03
	143	27.0	-56.1	-56.9	-0.01	-0.02	0.39
57	173	-152.2	410.3	-135.0	0.00	0.18	-0.03
	143	74.7	-87.8	135.0	-0.00	0.04	0.44
58	173	-157.1	407.7	-79.4	0.00	0.11	-0.03
	143	79.7	-85.1	79.4	-0.00	0.02	0.44
1	143	223.5	-821.3	-4.7	0.00	-0.00	-0.53
	114	-324.2	1240.6	4.7	-0.00	0.01	-1.16

	143	919.8	-3331.7	-8.1	0.00	-0.00	-1.95
	114	-1020.4	3751.0	8.1	-0.00	0.02	-3.88
3	143	1453.8	-3310.4	-81.8	0.00	0.01	-1.98
	114	-1554.5	3729.7	81.8	-0.00	0.12	-3.81
4	143	1284.3	-4569.0	-95.7	0.00	0.01	-2.73
	114	-1384.9	4988.3	95.7	-0.00	0.15	-5.13
5	143	1453.8	-3309.7	-96.9	0.00	0.01	-1.98
	114	-1554.5	3729.0	96.9	-0.00	0.15	-3.81
6	143	1592.3	-2365.6	-86.1	0.00	0.01	-1.42
	114	-1693.0	2784.9	86.1	-0.00	0.13	-2.81
7	143	385.8	-3353.7	82.4	-0.00	-0.01	-1.92
	114	-486.4	3773.1	-82.4	0.00	-0.12	-3.95
8	143	216.2	-4612.3	68.4	-0.00	-0.02	-2.66
	114	-316.9	5031.6	-68.4	0.00	-0.10	-5.27
9	143	385.8	-3353.0	67.3	-0.00	-0.01	-1.92
	114	-486.4	3772.4	-67.3	0.00	-0.10	-3.95
10	143	524.3	-2408.9	78.0	-0.00	-0.01	-1.36
	114	-624.9	2828.3	-78.0	0.00	-0.12	-2.95
11	143	1105.7	-2055.5	-74.5	0.00	0.01	-1.27
	114	-1206.3	2474.8	74.5	-0.00	0.11	-2.45
12	143	37.6	-2098.8	89.7	-0.00	-0.01	-1.21
	114	-138.3	2518.1	-89.7	0.00	-0.13	-2.59
13	143	823.2	-4153.1	-97.7	0.00	0.01	-2.52
	114	-923.8	4572.4	97.7	-0.00	0.15	-4.66
14	143	-244.9	-4196.4	66.4	-0.00	-0.02	-2.45
	114	144.3	4615.7	-66.4	0.00	-0.09	-4.80
15	143	1105.7	-2054.3	-99.7	0.00	0.01	-1.28
	114	-1206.4	2473.6	99.7	-0.00	0.15	-2.45
16	143	37.6	-2097.6	64.5	-0.00	-0.01	-1.21
	114	-138.3	2516.9	-64.5	0.00	-0.09	-2.59
17	143	1336.5	-480.8	-81.8	0.00	0.01	-0.34
	114	-1437.2	900.1	81.8	-0.00	0.12	-0.79
18	143	268.5	-524.1	82.4	-0.00	-0.01	-0.27
	114	-369.1	943.4	-82.4	0.00	-0.12	-0.93
19	143	1461.7	-2040.8	-134.8	0.00	0.02	-1.30
	114	-1562.4	2460.1	134.8	-0.00	0.20	-2.41
20	143	-318.4	-2113.0	138.8	-0.00	-0.02	-1.19
	114	217.8	2532.3	-138.8	0.00	-0.21	-2.64
21	143	1292.2	-3299.3	-148.7	0.00	0.02	-2.04
	114	-1392.8	3718.6	148.7	-0.00	0.23	-3.73
22	143	-487.9	-3371.6	124.8	-0.00	-0.02	-1.93
	114	387.3	3790.9	-124.8	0.00	-0.18	-3.96
23	143	1461.7	-2040.0	-149.9	0.00	0.02	-1.30
	114	-1562.4	2459.4	149.9	-0.00	0.23	-2.40
24	143	-318.4	-2112.3	123.7	-0.00	-0.02	-1.19
	114	217.7	2531.6	-123.7	0.00	-0.18	-2.63
25	143	1600.2	-1095.9	-139.1	0.00	0.02	-0.74
	114	-1700.9	1515.3	139.1	-0.00	0.21	-1.41
26	143	-179.9	-1168.2	134.4	-0.00	-0.02	-0.63
	114	79.3	1587.5	-134.4	0.00	-0.20	-1.64
27	143	785.0	-2220.1	-22.2	-0.01	-0.03	-1.31
	114	-862.5	2542.6	22.2	0.01	0.06	-2.63
28	143	530.6	-2255.1	-49.1	-0.01	-0.05	-1.36
	114	-608.0	2577.7	49.1	0.01	0.13	-2.62
29	143	1054.9	-2183.8	30.2	-0.01	0.03	-1.24
	114	-1132.3	2506.3	-30.2	0.01	-0.07	-2.65

	143	607.8	-2246.2	3.4	0.00	0.01	-1.32
	114	-685.2	2568.7	-3.4	-0.00	-0.01	-2.64
31	143	708.1	-2233.3	37.9	0.01	0.05	-1.29
	114	-785.5	2555.8	-37.9	-0.01	-0.10	-2.65
32	143	453.6	-2268.3	10.9	0.01	0.03	-1.34
	114	-531.1	2590.9	-10.9	-0.01	-0.04	-2.64
33	143	206.8	-2300.7	-59.5	0.00	-0.05	-1.41
	114	-284.3	2623.2	59.5	-0.00	0.14	-2.61
34	143	183.8	-2304.6	-41.5	0.01	-0.03	-1.41
	114	-261.2	2627.2	41.5	-0.01	0.09	-2.61
35	143	387.3	-1407.4	-4.5	0.00	-0.00	-0.85
	114	-464.7	1730.0	4.5	-0.00	0.01	-1.73
36	143	155.2	-570.9	2.2	0.00	-0.00	-0.38
	114	-232.6	893.4	-2.2	-0.00	-0.00	-0.82
37	143	42.2	-1409.9	-7.1	0.00	-0.00	-0.88
	114	-119.6	1732.5	7.1	-0.00	0.01	-1.71
38	143	155.2	-570.4	-7.8	-0.00	-0.00	-0.38
	114	-232.6	893.0	7.8	0.00	0.01	-0.82
39	143	247.5	59.0	-0.7	-0.00	-0.00	-0.01
	114	-324.9	263.6	0.7	0.00	0.00	-0.16
40	143	511.2	-556.2	-58.1	0.00	0.01	-0.40
	114	-588.6	878.7	58.1	-0.00	0.09	-0.78
41	143	-200.8	-585.1	51.3	-0.00	-0.01	-0.36
	114	123.4	907.6	-51.3	0.00	-0.08	-0.87
42	143	619.3	-2244.2	-5.6	0.00	-0.00	-1.33
	114	-696.8	2566.8	5.6	-0.00	0.01	-2.63
43	143	771.7	-2222.2	-21.7	-0.01	-0.03	-1.31
	114	-849.1	2544.8	21.7	0.01	0.06	-2.63
44	143	538.9	-2254.0	-48.4	-0.01	-0.05	-1.36
	114	-616.4	2576.6	48.4	0.01	0.13	-2.62
45	143	1018.0	-2189.3	30.1	-0.01	0.03	-1.25
	114	-1095.5	2511.9	-30.1	0.01	-0.07	-2.65
46	143	996.5	-2193.0	47.8	-0.00	0.05	-1.24
	114	-1073.9	2515.5	-47.8	0.00	-0.12	-2.66
47	143	699.7	-2234.4	37.1	0.01	0.05	-1.29
	114	-777.2	2556.9	-37.1	-0.01	-0.11	-2.65
48	143	467.0	-2266.2	10.4	0.01	0.03	-1.34
	114	-544.4	2588.8	-10.4	-0.01	-0.04	-2.64
49	143	242.2	-2295.4	-59.0	0.00	-0.05	-1.41
	114	-319.6	2618.0	59.0	-0.00	0.15	-2.61
50	143	220.6	-2299.1	-41.4	0.01	-0.03	-1.40
	114	-298.1	2621.6	41.4	-0.01	0.09	-2.62
51	143	279.3	-552.7	-16.3	-0.01	-0.02	-0.37
	114	-356.7	875.2	16.3	0.01	0.05	-0.82
52	143	89.8	-578.6	-37.8	-0.01	-0.04	-0.41
	114	-167.2	901.2	37.8	0.01	0.10	-0.81
53	143	479.8	-525.9	25.3	-0.00	0.02	-0.32
	114	-557.2	848.5	-25.3	0.00	-0.06	-0.84
54	143	462.2	-528.9	39.5	-0.00	0.04	-0.31
	114	-539.6	851.5	-39.5	0.00	-0.10	-0.84
55	143	220.6	-562.6	31.0	0.01	0.04	-0.35
	114	-298.0	885.2	-31.0	-0.01	-0.09	-0.84
56	143	31.1	-588.5	9.5	0.01	0.02	-0.39
	114	-108.5	911.1	-9.5	-0.01	-0.04	-0.83
57	143	-151.8	-612.3	-46.3	0.00	-0.04	-0.45
	114	74.4	934.9	46.3	-0.00	0.11	-0.80

	143	-169.4	-615.3	-32.1	0.00	-0.02	-0.44
	114	92.0	937.9	32.1	-0.00	0.07	-0.81
1	142	183.5	-736.3	-36.2	0.03	-0.00	-0.55
	113	-284.2	1155.6	36.2	-0.03	0.06	-1.00
2	142	819.1	-3027.0	-71.2	0.10	-0.00	-2.03
	113	-919.8	3446.3	71.2	-0.10	0.12	-3.30
3	142	-372.5	-2981.6	-154.2	0.10	-0.03	-2.07
	113	271.9	3400.9	154.2	-0.10	0.29	-3.18
4	142	-558.4	-4115.6	-130.7	0.14	-0.04	-2.85
	113	457.8	4534.9	130.7	-0.14	0.25	-4.27
5	142	-379.2	-2983.3	-169.0	0.10	-0.03	-2.07
	113	278.5	3402.6	169.0	-0.10	0.31	-3.19
6	142	-202.0	-2131.9	-185.4	0.07	-0.03	-1.48
	113	101.4	2551.2	185.4	-0.07	0.34	-2.37
7	142	2017.8	-3070.7	28.2	0.10	0.03	-1.99
	113	-2118.5	3490.0	-28.2	-0.10	-0.08	-3.41
8	142	1832.0	-4204.7	51.7	0.14	0.03	-2.77
	113	-1932.6	4624.0	-51.7	-0.14	-0.11	-4.50
9	142	2011.2	-3072.4	13.4	0.10	0.03	-1.99
	113	-2111.9	3491.7	-13.4	-0.10	-0.05	-3.41
10	142	2188.4	-2221.0	-2.9	0.07	0.03	-1.40
	113	-2289.0	2640.4	2.9	-0.07	-0.03	-2.60
11	142	-688.0	-1835.6	-131.2	0.07	-0.03	-1.33
	113	587.3	2254.9	131.2	-0.07	0.25	-2.03
12	142	1702.4	-1924.7	51.2	0.07	0.03	-1.25
	113	-1803.0	2344.0	-51.2	-0.07	-0.12	-2.26
13	142	-997.7	-3725.6	-92.0	0.13	-0.04	-2.63
	113	897.1	4144.9	92.0	-0.13	0.19	-3.84
14	142	1392.7	-3814.7	90.4	0.13	0.03	-2.55
	113	-1493.3	4234.0	-90.4	-0.13	-0.18	-4.07
15	142	-699.0	-1838.5	-155.9	0.07	-0.03	-1.33
	113	598.4	2257.8	155.9	-0.07	0.29	-2.04
16	142	1691.4	-1927.6	26.5	0.07	0.03	-1.25
	113	-1792.0	2346.9	-26.5	-0.07	-0.07	-2.27
17	142	-403.8	-419.5	-183.1	0.02	-0.03	-0.35
	113	303.1	838.8	183.1	-0.02	0.33	-0.68
18	142	1986.6	-508.6	-0.7	0.02	0.03	-0.27
	113	-2087.3	928.0	0.7	-0.02	-0.03	-0.91
19	142	-1487.1	-1806.5	-197.5	0.07	-0.05	-1.36
	113	1386.5	2225.8	197.5	-0.07	0.38	-1.96
20	142	2496.8	-1955.0	106.5	0.07	0.05	-1.22
	113	-2597.5	2374.3	-106.5	-0.07	-0.23	-2.34
21	142	-1673.0	-2940.5	-174.0	0.11	-0.06	-2.14
	113	1572.4	3359.8	174.0	-0.11	0.34	-3.05
22	142	2311.0	-3089.0	130.1	0.11	0.05	-2.00
	113	-2411.6	3508.3	-130.1	-0.11	-0.26	-3.42
23	142	-1493.7	-1808.2	-212.3	0.07	-0.06	-1.36
	113	1393.1	2227.5	212.3	-0.07	0.40	-1.96
24	142	2490.2	-1956.7	91.7	0.07	0.05	-1.22
	113	-2590.9	2376.1	-91.7	-0.07	-0.20	-2.34
25	142	-1316.6	-956.8	-228.6	0.04	-0.05	-0.77
	113	1216.0	1376.2	228.6	-0.04	0.43	-1.15
26	142	2667.4	-1105.4	75.4	0.04	0.05	-0.64
	113	-2768.0	1524.7	-75.4	-0.04	-0.18	-1.53
27	142	536.3	-2059.0	-104.5	0.07	-0.03	-1.34

	113	-613.7	2381.6	104.5	-0.07	0.22	-2.31
28	142	289.2	-2073.5	-56.7	0.07	-0.06	-1.39
	113	-366.6	2396.1	56.7	-0.07	0.12	-2.27
29	142	921.4	-2021.5	-138.9	0.07	0.03	-1.28
	113	-998.9	2344.1	138.9	-0.07	0.27	-2.32
30	142	592.5	-2028.0	-40.9	0.07	0.01	-1.38
	113	-669.9	2350.6	40.9	-0.07	0.06	-2.22
31	142	812.8	-2000.1	-43.4	0.07	0.05	-1.36
	113	-890.2	2322.7	43.4	-0.07	0.04	-2.21
32	142	565.7	-2014.6	4.5	0.07	0.03	-1.42
	113	-643.1	2337.2	-4.5	-0.07	-0.05	-2.17
33	142	97.6	-2069.9	20.5	0.07	-0.06	-1.46
	113	-175.0	2392.4	-20.5	-0.07	-0.05	-2.19
34	142	180.5	-2052.2	38.9	0.08	-0.04	-1.47
	113	-258.0	2374.7	-38.9	-0.08	-0.10	-2.16
35	142	339.1	-1273.3	-38.3	0.05	-0.00	-0.89
	113	-416.5	1595.8	38.3	-0.05	0.06	-1.47
36	142	129.6	-509.1	-21.2	0.02	-0.00	-0.40
	113	-207.0	831.6	21.2	-0.02	0.04	-0.71
37	142	5.7	-1265.1	-5.5	0.05	-0.00	-0.92
	113	-83.1	1587.6	5.5	-0.05	0.01	-1.43
38	142	125.2	-510.2	-31.0	0.02	-0.00	-0.40
	113	-202.6	832.8	31.0	-0.02	0.05	-0.71
39	142	243.3	57.4	-41.9	-0.00	0.00	-0.00
	113	-320.7	265.2	41.9	0.00	0.07	-0.17
40	142	-669.5	-480.0	-87.5	0.02	-0.02	-0.42
	113	592.1	802.5	87.5	-0.02	0.17	-0.63
41	142	924.1	-539.4	34.2	0.02	0.02	-0.37
	113	-1001.5	861.9	-34.2	-0.02	-0.08	-0.78
42	142	551.0	-2036.8	-50.0	0.07	-0.00	-1.38
	113	-628.4	2359.4	50.0	-0.07	0.08	-2.24
43	142	528.4	-2060.6	-102.7	0.07	-0.03	-1.34
	113	-605.8	2383.1	102.7	-0.07	0.22	-2.31
44	142	286.4	-2073.9	-58.6	0.07	-0.06	-1.39
	113	-363.8	2396.5	58.6	-0.07	0.13	-2.28
45	142	911.3	-2023.7	-132.8	0.07	0.03	-1.29
	113	-988.7	2346.3	132.8	-0.07	0.26	-2.32
46	142	997.4	-2005.5	-114.4	0.07	0.06	-1.30
	113	-1074.8	2328.0	114.4	-0.07	0.21	-2.29
47	142	815.6	-1999.8	-41.5	0.07	0.06	-1.36
	113	-893.0	2322.3	41.5	-0.07	0.04	-2.20
48	142	573.6	-2013.1	2.7	0.07	0.03	-1.42
	113	-651.0	2335.7	-2.7	-0.07	-0.05	-2.17
49	142	104.6	-2068.2	14.4	0.07	-0.06	-1.46
	113	-182.0	2390.8	-14.4	-0.07	-0.04	-2.19
50	142	190.7	-2050.0	32.7	0.07	-0.04	-1.47
	113	-268.1	2372.6	-32.7	-0.07	-0.10	-2.16
51	142	110.3	-529.0	-69.2	0.02	-0.02	-0.36
	113	-187.7	851.5	69.2	-0.02	0.16	-0.77
52	142	-85.1	-539.8	-33.4	0.02	-0.05	-0.41
	113	7.7	862.4	33.4	-0.02	0.08	-0.74
53	142	418.6	-499.0	-93.8	0.02	0.03	-0.32
	113	-496.0	821.5	93.8	-0.02	0.19	-0.77
54	142	487.4	-484.1	-79.0	0.02	0.05	-0.33
	113	-564.8	806.7	79.0	-0.02	0.15	-0.75
55	142	339.7	-479.5	-19.9	0.02	0.05	-0.39

	113	-417.1	802.1	19.9	-0.02	0.01	-0.68
56	142	144.2	-490.4	15.9	0.02	0.02	-0.43
	113	-221.6	813.0	-15.9	-0.02	-0.07	-0.65
57	142	-232.9	-535.2	25.7	0.02	-0.05	-0.46
	113	155.5	857.8	-25.7	-0.02	-0.06	-0.67
58	142	-164.1	-520.4	40.5	0.02	-0.03	-0.47
	113	86.7	842.9	-40.5	-0.02	-0.10	-0.64
1	114	-244.7	1208.4	4.4	0.00	-0.01	1.14
	77	104.7	-625.3	-4.4	-0.00	-0.00	0.96
2	114	-674.4	3519.4	6.9	0.00	-0.01	3.74
	77	534.5	-2936.3	-6.9	-0.00	-0.01	3.65
3	114	2316.1	3511.2	26.3	0.00	-0.03	3.77
	77	-2456.1	-2928.1	-26.3	-0.00	-0.03	3.59
4	114	2171.4	4762.5	18.4	0.00	-0.01	5.23
	77	-2311.4	-4179.3	-18.4	-0.00	-0.03	5.00
5	114	2316.4	3512.3	15.6	0.00	-0.01	3.78
	77	-2456.3	-2929.2	-15.6	-0.00	-0.03	3.59
6	114	2405.8	2573.5	21.5	0.00	-0.02	2.68
	77	-2545.8	-1990.4	-21.5	-0.00	-0.03	2.54
7	114	-3665.3	3526.3	-0.4	-0.00	-0.01	3.70
	77	3525.4	-2943.2	0.4	0.00	0.01	3.70
8	114	-3810.0	4777.6	-8.3	-0.00	0.00	5.16
	77	3670.1	-4194.5	8.3	0.00	0.02	5.11
9	114	-3665.0	3527.4	-11.1	-0.00	0.01	3.70
	77	3525.1	-2944.3	11.1	0.00	0.02	3.70
10	114	-3575.6	2588.6	-5.2	-0.00	-0.00	2.60
	77	3435.6	-2005.5	5.2	0.00	0.01	2.65
11	114	2530.9	2355.3	29.0	0.00	-0.04	2.47
	77	-2670.8	-1772.2	-29.0	-0.00	-0.03	2.25
12	114	-3450.6	2370.4	2.3	-0.00	-0.02	2.40
	77	3310.6	-1787.3	-2.3	0.00	0.01	2.36
13	114	2289.7	4440.8	15.9	0.00	-0.01	4.90
	77	-2429.7	-3857.6	-15.9	-0.00	-0.03	4.59
14	114	-3691.7	4455.9	-10.8	-0.00	0.01	4.83
	77	3551.7	-3872.8	10.8	0.00	0.02	4.70
15	114	2531.3	2357.1	11.2	0.00	-0.00	2.48
	77	-2671.3	-1774.0	-11.2	-0.00	-0.03	2.25
16	114	-3450.1	2372.3	-15.5	-0.00	0.02	2.40
	77	3310.1	-1789.1	15.5	0.00	0.02	2.36
17	114	2680.4	792.5	21.0	0.00	-0.02	0.65
	77	-2820.4	-209.4	-21.0	-0.00	-0.03	0.50
18	114	-3301.0	807.6	-5.7	-0.00	-0.00	0.57
	77	3161.1	-224.5	5.7	0.00	0.02	0.61
19	114	4524.8	2350.7	33.9	0.00	-0.03	2.50
	77	-4664.7	-1767.6	-33.9	-0.00	-0.04	2.21
20	114	-5444.3	2375.9	-10.6	-0.00	-0.01	2.37
	77	5304.3	-1792.8	10.6	0.00	0.03	2.40
21	114	4380.1	3602.0	26.0	0.00	-0.02	3.96
	77	-4520.1	-3018.8	-26.0	-0.00	-0.04	3.62
22	114	-5588.9	3627.2	-18.5	-0.00	0.01	3.83
	77	5449.0	-3044.0	18.5	0.00	0.03	3.80
23	114	4525.1	2351.8	23.2	0.00	-0.01	2.50
	77	-4665.0	-1768.7	-23.2	-0.00	-0.04	2.21
24	114	-5444.0	2377.0	-21.3	-0.00	0.02	2.37
	77	5304.0	-1793.9	21.3	0.00	0.03	2.40

	114	4614.5	1413.0	29.1	0.00	-0.02	1.40
	77	-4754.5	-829.9	-29.1	-0.00	-0.04	1.16
26	114	-5354.5	1438.2	-15.4	-0.00	0.00	1.28
	77	5214.6	-855.1	15.4	0.00	0.03	1.35
27	114	-478.8	2345.9	-43.4	0.00	0.05	2.44
	77	371.1	-1897.3	43.4	-0.00	0.05	2.44
28	114	-466.4	2445.6	-29.9	0.00	0.02	2.59
	77	358.7	-1997.1	29.9	-0.00	0.06	2.52
29	114	-488.8	2241.8	-29.9	0.00	0.06	2.29
	77	381.1	-1793.2	29.9	-0.00	-0.02	2.34
30	114	-464.4	2418.6	17.5	-0.00	-0.02	2.55
	77	356.7	-1970.0	-17.5	0.00	-0.02	2.46
31	114	-466.2	2381.0	39.9	-0.00	-0.03	2.49
	77	358.5	-1932.4	-39.9	0.00	-0.07	2.41
32	114	-453.8	2480.7	53.4	-0.00	-0.07	2.64
	77	346.2	-2032.2	-53.4	0.00	-0.06	2.50
33	114	-447.5	2574.3	14.9	-0.00	-0.05	2.78
	77	339.9	-2125.7	-14.9	0.00	0.04	2.61
34	114	-443.8	2584.8	39.9	-0.00	-0.07	2.79
	77	336.1	-2136.3	-39.9	0.00	0.01	2.60
35	114	-323.0	1643.0	4.1	0.00	-0.01	1.67
	77	215.4	-1194.4	-4.1	-0.00	-0.00	1.57
36	114	-179.9	872.2	7.3	-0.00	-0.01	0.81
	77	72.3	-423.7	-7.3	0.00	-0.00	0.68
37	114	-276.4	1706.4	2.0	0.00	-0.00	1.78
	77	168.7	-1257.9	-2.0	-0.00	-0.00	1.61
38	114	-179.7	873.0	0.1	0.00	0.00	0.81
	77	72.1	-424.4	-0.1	-0.00	-0.00	0.68
39	114	-120.1	247.1	4.1	0.00	-0.01	0.08
	77	12.4	201.4	-4.1	-0.00	-0.00	-0.02
40	114	1814.0	867.6	12.2	0.00	-0.01	0.83
	77	-1921.7	-419.1	-12.2	-0.00	-0.02	0.64
41	114	-2173.6	877.7	-5.6	-0.00	0.00	0.78
	77	2065.9	-429.1	5.6	0.00	0.01	0.71
42	114	-466.3	2413.3	5.0	0.00	-0.01	2.54
	77	358.6	-1964.7	-5.0	-0.00	-0.00	2.47
43	114	-478.7	2350.0	-44.3	0.00	0.05	2.44
	77	371.0	-1901.5	44.3	-0.00	0.05	2.44
44	114	-466.7	2442.0	-31.4	0.00	0.02	2.58
	77	359.1	-1993.5	31.4	-0.00	0.07	2.52
45	114	-488.1	2254.8	-29.3	0.00	0.06	2.31
	77	380.5	-1806.3	29.3	-0.00	-0.02	2.35
46	114	-484.3	2265.2	-3.6	0.00	0.03	2.32
	77	376.6	-1816.6	3.6	-0.00	-0.06	2.34
47	114	-465.8	2384.6	41.3	-0.00	-0.03	2.50
	77	358.2	-1936.0	-41.3	0.00	-0.08	2.42
48	114	-453.9	2476.5	54.2	-0.00	-0.06	2.64
	77	346.2	-2028.0	-54.2	0.00	-0.06	2.49
49	114	-448.3	2561.4	13.6	-0.00	-0.05	2.76
	77	340.7	-2112.8	-13.6	0.00	0.05	2.60
50	114	-444.5	2571.8	39.3	-0.00	-0.07	2.78
	77	336.8	-2123.2	-39.3	0.00	0.01	2.59
51	114	-189.9	821.2	-36.9	0.00	0.04	0.73
	77	82.2	-372.6	36.9	-0.00	0.04	0.66
52	114	-180.2	896.0	-26.3	0.00	0.02	0.84
	77	72.6	-447.4	26.3	-0.00	0.05	0.72

	114	-197.5	743.7	-24.7	0.00	0.05	0.61
	77	89.9	-295.1	24.7	-0.00	-0.01	0.58
54	114	-194.4	752.2	-3.8	0.00	0.03	0.63
	77	86.7	-303.6	3.8	-0.00	-0.04	0.57
55	114	-179.4	849.3	32.9	-0.00	-0.03	0.77
	77	71.7	-400.8	-32.9	0.00	-0.06	0.64
56	114	-169.7	924.2	43.4	-0.00	-0.05	0.88
	77	62.0	-475.6	-43.4	0.00	-0.05	0.70
57	114	-165.2	993.2	10.3	-0.00	-0.04	0.98
	77	57.6	-544.6	-10.3	0.00	0.04	0.78
58	114	-162.1	1001.6	31.3	-0.00	-0.06	1.00
	77	54.4	-553.1	-31.3	0.00	0.01	0.78
1	113	-283.6	1209.0	-11.4	0.00	0.03	1.14
	76	143.6	-625.9	11.4	-0.00	-0.01	0.96
2	113	-754.0	3511.1	-25.0	0.01	0.07	3.73
	76	614.0	-2928.0	25.0	-0.01	-0.01	3.63
3	113	-7590.4	3511.8	-70.6	0.00	0.14	3.79
	76	7450.4	-2928.7	70.6	-0.00	0.02	3.58
4	113	-7577.3	4772.5	-57.5	0.01	0.11	5.28
	76	7437.4	-4189.4	57.5	-0.01	0.02	4.98
5	113	-7711.2	3517.3	-81.5	0.00	0.16	3.80
	76	7571.2	-2934.1	81.5	-0.00	0.02	3.58
6	113	-7600.4	2571.8	-90.1	0.00	0.18	2.69
	76	7460.4	-1988.7	90.1	-0.00	0.02	2.53
7	113	6215.1	3504.3	32.8	0.01	-0.03	3.66
	76	-6355.0	-2921.2	-32.8	-0.01	-0.04	3.69
8	113	6228.1	4765.0	45.9	0.01	-0.06	5.15
	76	-6368.1	-4181.9	-45.9	-0.01	-0.04	5.09
9	113	6094.3	3509.7	21.9	0.01	-0.01	3.68
	76	-6234.2	-2926.6	-21.9	-0.01	-0.04	3.69
10	113	6205.1	2564.3	13.3	0.01	0.01	2.56
	76	-6345.0	-1981.2	-13.3	-0.01	-0.04	2.64
11	113	-7310.9	2358.7	-59.7	0.00	0.12	2.49
	76	7171.0	-1775.6	59.7	-0.00	0.02	2.24
12	113	6494.5	2351.2	43.7	0.01	-0.06	2.36
	76	-6634.5	-1768.1	-43.7	-0.01	-0.04	2.35
13	113	-7289.2	4460.0	-37.9	0.01	0.07	4.97
	76	7149.3	-3876.8	37.9	-0.01	0.02	4.57
14	113	6516.2	4452.4	65.5	0.01	-0.11	4.84
	76	-6656.2	-3869.3	-65.5	-0.01	-0.04	4.68
15	113	-7512.2	2367.8	-77.9	0.00	0.15	2.51
	76	7372.3	-1784.7	77.9	-0.00	0.03	2.24
16	113	6293.2	2360.3	25.5	0.01	-0.02	2.38
	76	-6433.2	-1777.2	-25.5	-0.01	-0.04	2.35
17	113	-7327.6	792.1	-92.2	-0.00	0.19	0.65
	76	7187.6	-209.0	92.2	0.00	0.02	0.50
18	113	6477.9	784.6	11.2	0.00	0.01	0.52
	76	-6617.8	-201.4	-11.2	-0.00	-0.04	0.60
19	113	-11957.0	2363.3	-98.3	0.00	0.18	2.54
	76	11817.0	-1780.1	98.3	-0.00	0.04	2.20
20	113	11052.1	2350.7	74.1	0.01	-0.11	2.33
	76	-11192.1	-1767.6	-74.1	-0.01	-0.06	2.39
21	113	-11944.0	3624.0	-85.2	0.00	0.15	4.02
	76	11804.0	-3040.9	85.2	-0.00	0.04	3.60
22	113	11065.1	3611.5	87.2	0.01	-0.14	3.81

	76	-11205.1	-3028.3	-87.2	-0.01	-0.06	3.79
23	113	-12077.8	2368.7	-109.2	0.00	0.20	2.55
	76	11937.8	-1785.6	109.2	-0.00	0.05	2.21
24	113	10931.3	2356.2	63.2	0.01	-0.09	2.34
	76	-11071.3	-1773.1	-63.2	-0.01	-0.06	2.39
25	113	-11967.0	1423.3	-117.7	-0.00	0.22	1.43
	76	11827.0	-840.2	117.7	0.00	0.04	1.16
26	113	11042.1	1410.7	54.6	0.00	-0.07	1.22
	76	-11182.1	-827.6	-54.6	-0.00	-0.06	1.34
27	113	-1159.1	2378.2	-74.5	0.00	0.12	2.49
	76	1051.5	-1929.6	74.5	-0.00	0.04	2.44
28	113	-1641.4	2483.5	-50.3	0.01	0.06	2.66
	76	1533.7	-2034.9	50.3	-0.01	0.06	2.51
29	113	25.6	2239.2	-71.2	0.00	0.15	2.27
	76	-133.2	-1790.7	71.2	-0.00	-0.02	2.34
30	113	-245.0	2400.9	-3.9	0.00	0.03	2.53
	76	137.3	-1952.3	3.9	-0.00	-0.02	2.45
31	113	618.2	2332.1	15.5	0.00	0.03	2.42
	76	-725.9	-1883.5	-15.5	-0.00	-0.08	2.40
32	113	136.0	2437.4	39.7	0.00	-0.03	2.58
	76	-243.7	-1988.8	-39.7	-0.00	-0.06	2.48
33	113	-1581.9	2590.2	9.4	0.01	-0.03	2.82
	76	1474.2	-2141.6	-9.4	-0.01	0.05	2.59
34	113	-1048.7	2576.4	36.4	0.01	-0.06	2.80
	76	941.0	-2127.8	-36.4	-0.01	0.01	2.58
35	113	-354.8	1640.4	-12.9	0.00	0.03	1.67
	76	247.1	-1191.9	12.9	-0.00	-0.01	1.57
36	113	-153.7	871.1	-4.3	0.00	0.02	0.80
	76	46.1	-422.5	4.3	-0.00	-0.01	0.67
37	113	-145.0	1711.5	4.5	0.00	-0.00	1.80
	76	37.4	-1263.0	-4.5	-0.00	-0.01	1.61
38	113	-234.2	874.7	-11.5	0.00	0.03	0.81
	76	126.6	-426.1	11.5	-0.00	-0.00	0.68
39	113	-160.4	244.4	-17.2	-0.00	0.04	0.07
	76	52.7	204.2	17.2	0.00	-0.00	-0.02
40	113	-4799.8	875.6	-42.8	-0.00	0.08	0.85
	76	4692.1	-427.0	42.8	0.00	0.02	0.64
41	113	4403.9	870.6	26.1	0.00	-0.03	0.77
	76	-4511.5	-422.0	-26.1	-0.00	-0.02	0.71
42	113	-511.6	2407.8	-17.4	0.00	0.05	2.54
	76	403.9	-1959.2	17.4	-0.00	-0.01	2.46
43	113	-1186.4	2382.2	-75.0	0.00	0.12	2.50
	76	1078.8	-1933.6	75.0	-0.00	0.05	2.44
44	113	-1688.3	2480.0	-52.5	0.01	0.07	2.65
	76	1580.7	-2031.4	52.5	-0.01	0.07	2.51
45	113	47.1	2251.8	-68.9	0.00	0.15	2.29
	76	-154.8	-1803.2	68.9	-0.00	-0.02	2.35
46	113	602.6	2237.8	-41.1	0.00	0.12	2.27
	76	-710.3	-1789.2	41.1	-0.00	-0.06	2.34
47	113	665.2	2335.6	17.7	0.00	0.02	2.42
	76	-772.8	-1887.0	-17.7	-0.00	-0.08	2.41
48	113	163.3	2433.4	40.2	0.00	-0.03	2.58
	76	-271.0	-1984.8	-40.2	-0.00	-0.06	2.48
49	113	-1625.8	2577.8	6.3	0.01	-0.03	2.81
	76	1518.1	-2129.2	-6.3	-0.01	0.05	2.58
50	113	-1070.3	2563.8	34.1	0.01	-0.06	2.78

	76	962.6	-2115.3	-34.1	-0.01	0.01	2.57
51	113	-743.9	852.0	-55.3	0.00	0.08	0.78
	76	636.3	-403.5	55.3	-0.00	0.04	0.66
52	113	-1145.0	931.5	-36.9	0.00	0.04	0.90
	76	1037.4	-483.0	36.9	-0.00	0.06	0.72
53	113	246.5	746.2	-50.3	-0.00	0.11	0.61
	76	-354.2	-297.6	50.3	0.00	-0.02	0.58
54	113	694.5	735.0	-27.7	-0.00	0.08	0.59
	76	-802.1	-286.4	27.7	0.00	-0.05	0.58
55	113	749.1	814.6	20.2	0.00	0.01	0.72
	76	-856.8	-366.1	-20.2	-0.00	-0.06	0.63
56	113	348.0	894.1	38.6	0.00	-0.04	0.84
	76	-455.7	-445.6	-38.6	-0.00	-0.05	0.69
57	113	-1090.4	1011.2	11.0	0.00	-0.04	1.03
	76	982.7	-562.6	-11.0	-0.00	0.04	0.77
58	113	-642.4	1000.0	33.6	0.00	-0.06	1.01
	76	534.8	-551.4	-33.6	-0.00	0.01	0.77
1	170	-41.5	547.7	-19.5	-0.01	0.03	0.04
	140	-59.2	-128.4	19.5	0.01	0.00	0.51
2	170	-112.6	1471.8	-21.7	-0.04	0.03	0.20
	140	12.0	-1052.4	21.7	0.04	0.01	1.88
3	170	-1063.7	1530.5	14.9	-0.03	-0.01	0.24
	140	963.1	-1111.2	-14.9	0.03	-0.02	1.93
4	170	-1248.3	2027.9	45.7	-0.05	-0.06	0.33
	140	1147.6	-1608.5	-45.7	0.05	-0.02	2.66
5	170	-1058.1	1532.4	-5.1	-0.03	0.03	0.24
	140	957.4	-1113.1	5.1	0.03	-0.02	1.93
6	170	-895.5	1159.7	-20.3	-0.02	0.05	0.17
	140	794.9	-740.4	20.3	0.02	-0.02	1.39
7	170	832.6	1410.9	-36.3	-0.04	0.03	0.16
	140	-933.3	-991.6	36.3	0.04	0.03	1.82
8	170	648.1	1908.3	-5.6	-0.05	-0.02	0.25
	140	-748.7	-1488.9	5.6	0.05	0.03	2.54
9	170	838.3	1412.8	-56.3	-0.04	0.06	0.16
	140	-938.9	-993.5	56.3	0.04	0.03	1.82
10	170	1000.9	1040.1	-71.6	-0.03	0.09	0.09
	140	-1101.5	-620.8	71.6	0.03	0.03	1.27
11	170	-1030.1	1067.8	23.4	-0.02	-0.02	0.16
	140	929.5	-648.5	-23.4	0.02	-0.02	1.25
12	170	866.2	948.2	-27.9	-0.03	0.02	0.08
	140	-966.9	-528.9	27.9	0.03	0.03	1.14
13	170	-1337.7	1896.7	74.6	-0.04	-0.10	0.32
	140	1237.1	-1477.4	-74.6	0.04	-0.02	2.46
14	170	558.7	1777.1	23.4	-0.05	-0.07	0.24
	140	-659.3	-1357.8	-23.4	0.05	0.03	2.34
15	170	-1020.7	1071.0	-9.9	-0.02	0.04	0.16
	140	920.0	-651.6	9.9	0.02	-0.02	1.25
16	170	875.7	951.4	-61.2	-0.03	0.07	0.08
	140	-976.3	-532.0	61.2	0.03	0.03	1.14
17	170	-749.8	449.8	-35.3	-0.01	0.08	0.05
	140	649.1	-30.5	35.3	0.01	-0.02	0.34
18	170	1146.6	330.2	-86.6	-0.01	0.11	-0.03
	140	-1247.3	89.1	86.6	0.01	0.03	0.23
19	170	-1660.3	1108.4	33.1	-0.02	-0.02	0.19
	140	1559.7	-689.1	-33.1	0.02	-0.03	1.29

	170	1500.3	909.1	-52.3	-0.03	0.04	0.05
	140	-1601.0	-489.7	52.3	0.03	0.04	1.10
21	170	-1844.8	1605.7	63.9	-0.03	-0.07	0.28
	140	1744.2	-1186.4	-63.9	0.03	-0.03	2.01
22	170	1315.8	1406.4	-21.6	-0.04	-0.01	0.15
	140	-1416.4	-987.1	21.6	0.04	0.05	1.82
23	170	-1654.6	1110.3	13.1	-0.02	0.01	0.19
	140	1554.0	-690.9	-13.1	0.02	-0.03	1.29
24	170	1506.0	910.9	-72.3	-0.03	0.07	0.06
	140	-1606.6	-491.6	72.3	0.03	0.04	1.10
25	170	-1492.1	737.6	-2.1	-0.01	0.04	0.12
	140	1391.4	-318.3	2.1	0.01	-0.04	0.75
26	170	1668.6	538.3	-87.5	-0.02	0.10	-0.01
	140	-1769.2	-118.9	87.5	0.02	0.04	0.55
27	170	171.5	1014.1	-81.5	-0.03	0.10	0.14
	140	-249.0	-691.5	81.5	0.03	0.03	1.23
28	170	12.8	1051.0	-210.3	-0.03	0.28	0.15
	140	-90.2	-728.5	210.3	0.03	0.06	1.28
29	170	237.4	961.3	160.8	-0.02	-0.23	0.12
	140	-314.8	-638.7	-160.8	0.02	-0.03	1.19
30	170	-129.6	1014.6	24.9	-0.02	-0.03	0.13
	140	52.2	-692.0	-24.9	0.02	-0.01	1.28
31	170	-169.6	986.4	181.4	-0.02	-0.25	0.12
	140	92.2	-663.8	-181.4	0.02	-0.05	1.27
32	170	-328.4	1023.4	52.5	-0.02	-0.06	0.13
	140	250.9	-700.8	-52.5	0.02	-0.02	1.32
33	170	-291.9	1084.5	-268.7	-0.03	0.38	0.16
	140	214.4	-761.9	268.7	0.03	0.07	1.35
34	170	-394.2	1076.2	-189.8	-0.03	0.27	0.15
	140	316.8	-753.6	189.8	0.03	0.04	1.36
35	170	-54.7	710.7	-13.7	-0.02	0.02	0.08
	140	-22.7	-388.2	13.7	0.02	0.00	0.82
36	170	-32.9	402.0	-5.7	-0.01	0.01	0.03
	140	-44.5	-79.5	5.7	0.01	0.00	0.37
37	170	-156.0	733.6	14.8	-0.02	-0.03	0.09
	140	78.6	-411.0	-14.8	0.02	0.00	0.85
38	170	-29.2	403.3	-19.0	-0.01	0.03	0.03
	140	-48.3	-80.7	19.0	0.01	0.00	0.37
39	170	79.2	154.8	-29.1	-0.00	0.05	-0.01
	140	-156.6	167.7	29.1	0.00	0.00	0.00
40	170	-663.1	442.6	4.1	-0.01	0.01	0.06
	140	585.7	-120.0	-4.1	0.01	-0.01	0.40
41	170	601.1	362.8	-30.1	-0.01	0.03	0.00
	140	-678.6	-40.3	30.1	0.01	0.02	0.33
42	170	-78.4	1018.7	-14.5	-0.03	0.02	0.14
	140	1.0	-696.2	14.5	0.03	0.00	1.27
43	170	176.0	1015.1	-85.7	-0.03	0.11	0.14
	140	-253.4	-692.5	85.7	0.03	0.04	1.23
44	170	21.2	1050.9	-219.0	-0.03	0.30	0.15
	140	-98.6	-728.4	219.0	0.03	0.07	1.28
45	170	232.7	963.2	166.3	-0.02	-0.24	0.12
	140	-310.1	-640.7	-166.3	0.02	-0.03	1.19
46	170	126.5	954.7	249.0	-0.02	-0.35	0.11
	140	-203.9	-632.1	-249.0	0.02	-0.06	1.20
47	170	-178.0	986.5	190.1	-0.02	-0.26	0.12
	140	100.6	-663.9	-190.1	0.02	-0.06	1.27

	170	-332.8	1022.4	56.8	-0.02	-0.07	0.13
	140	255.4	-699.8	-56.8	0.02	-0.03	1.32
49	170	-283.3	1082.8	-278.0	-0.03	0.39	0.16
	140	205.9	-760.2	278.0	0.03	0.07	1.35
50	170	-389.5	1074.2	-195.3	-0.03	0.28	0.15
	140	312.1	-751.7	195.3	0.03	0.04	1.36
51	170	173.8	399.7	-70.0	-0.01	0.09	0.04
	140	-251.2	-77.1	70.0	0.01	0.03	0.33
52	170	49.0	428.7	-176.9	-0.01	0.24	0.04
	140	-126.4	-106.1	176.9	0.01	0.05	0.37
53	170	219.8	357.7	132.0	-0.01	-0.19	0.02
	140	-297.2	-35.2	-132.0	0.01	-0.03	0.30
54	170	134.4	350.9	198.3	-0.01	-0.28	0.01
	140	-211.8	-28.3	-198.3	0.01	-0.05	0.31
55	170	-110.9	376.7	150.8	-0.00	-0.20	0.02
	140	33.5	-54.1	-150.8	0.00	-0.05	0.36
56	170	-235.8	405.7	44.0	-0.01	-0.05	0.03
	140	158.4	-83.2	-44.0	0.01	-0.02	0.40
57	170	-196.3	454.5	-224.3	-0.01	0.32	0.05
	140	118.9	-132.0	224.3	0.01	0.05	0.43
58	170	-281.7	447.7	-158.0	-0.01	0.23	0.04
	140	204.3	-125.1	158.0	0.01	0.03	0.44
1	140	253.8	-682.4	-10.3	-0.01	-0.00	-0.52
	111	-354.4	1101.7	10.3	0.01	0.02	-0.95
2	140	888.3	-2698.8	-5.1	-0.04	-0.01	-1.89
	111	-989.0	3118.1	5.1	0.04	0.01	-2.89
3	140	-62.8	-2640.0	-87.9	-0.03	0.02	-1.95
	111	-37.8	3059.4	87.9	0.03	0.13	-2.74
4	140	-247.4	-3635.4	-53.7	-0.05	0.02	-2.68
	111	146.7	4054.8	53.7	0.05	0.07	-3.65
5	140	-57.1	-2638.2	-109.2	-0.03	0.02	-1.95
	111	-43.5	3057.5	109.2	0.03	0.16	-2.73
6	140	105.4	-1891.3	-125.8	-0.02	0.02	-1.40
	111	-206.1	2310.6	125.8	0.02	0.19	-2.06
7	140	1833.6	-2759.6	101.5	-0.04	-0.03	-1.83
	111	-1934.2	3179.0	-101.5	0.04	-0.14	-3.05
8	140	1649.0	-3755.0	135.7	-0.05	-0.03	-2.56
	111	-1749.7	4174.4	-135.7	0.05	-0.19	-3.96
9	140	1839.2	-2757.8	80.2	-0.04	-0.03	-1.83
	111	-1939.9	3177.1	-80.2	0.04	-0.10	-3.05
10	140	2001.8	-2010.9	63.6	-0.03	-0.03	-1.28
	111	-2102.4	2430.2	-63.6	0.03	-0.07	-2.37
11	140	-382.1	-1632.5	-82.6	-0.02	0.02	-1.26
	111	281.4	2051.8	82.6	0.02	0.12	-1.77
12	140	1514.3	-1752.1	106.8	-0.03	-0.03	-1.15
	111	-1615.0	2171.4	-106.8	0.03	-0.15	-2.08
13	140	-689.6	-3291.5	-25.7	-0.04	0.02	-2.48
	111	589.0	3710.8	25.7	0.04	0.02	-3.28
14	140	1206.7	-3411.1	163.7	-0.05	-0.03	-2.36
	111	-1307.4	3830.4	-163.7	0.05	-0.24	-3.59
15	140	-372.6	-1629.3	-118.1	-0.02	0.02	-1.26
	111	272.0	2048.7	118.1	0.02	0.18	-1.76
16	140	1523.8	-1748.9	71.3	-0.03	-0.03	-1.15
	111	-1624.4	2168.3	-71.3	0.03	-0.09	-2.08
17	140	-101.7	-384.6	-145.7	-0.01	0.02	-0.35

	111	1.0	803.9	145.7	0.01	0.22	-0.63
18	140	1794.7	-504.2	43.7	-0.01	-0.03	-0.23
	111	-1895.3	923.5	-43.7	0.01	-0.04	-0.94
19	140	-1012.2	-1591.9	-153.6	-0.02	0.03	-1.30
	111	911.6	2011.3	153.6	0.02	0.22	-1.66
20	140	2148.4	-1791.3	162.0	-0.03	-0.04	-1.11
	111	-2249.0	2210.6	-162.0	0.03	-0.22	-2.18
21	140	-1196.8	-2587.3	-119.5	-0.03	0.03	-2.03
	111	1096.1	3006.7	119.5	0.03	0.16	-2.57
22	140	1963.9	-2786.7	196.2	-0.04	-0.05	-1.84
	111	-2064.5	3206.0	-196.2	0.04	-0.28	-3.09
23	140	-1006.5	-1590.1	-174.9	-0.02	0.03	-1.30
	111	905.9	2009.4	174.9	0.02	0.25	-1.66
24	140	2154.1	-1789.4	140.7	-0.03	-0.04	-1.11
	111	-2254.7	2208.7	-140.7	0.03	-0.19	-2.18
25	140	-844.0	-843.2	-191.5	-0.01	0.04	-0.75
	111	743.4	1262.5	191.5	0.01	0.28	-0.98
26	140	2316.6	-1042.5	124.2	-0.02	-0.04	-0.56
	111	-2417.3	1461.8	-124.2	0.02	-0.16	-1.50
27	140	887.1	-1808.4	-11.0	-0.03	-0.03	-1.24
	111	-964.5	2131.0	11.0	0.03	0.04	-1.97
28	140	674.2	-1801.0	-75.2	-0.03	-0.06	-1.29
	111	-751.6	2123.5	75.2	0.03	0.18	-1.92
29	140	1010.9	-1827.0	92.3	-0.02	0.03	-1.20
	111	-1088.3	2149.6	-92.3	0.02	-0.18	-2.06
30	140	549.2	-1823.2	9.5	-0.02	0.01	-1.29
	111	-626.6	2145.7	-9.5	0.02	-0.02	-1.98
31	140	531.1	-1836.8	69.9	-0.02	0.05	-1.28
	111	-608.5	2159.4	-69.9	0.02	-0.16	-2.03
32	140	318.2	-1829.4	5.6	-0.02	0.02	-1.33
	111	-395.6	2152.0	-5.6	0.02	-0.02	-1.97
33	140	301.2	-1802.2	-121.9	-0.03	-0.07	-1.36
	111	-378.6	2124.8	121.9	0.03	0.26	-1.87
34	140	194.4	-1810.8	-97.6	-0.03	-0.04	-1.38
	111	-271.8	2133.3	97.6	0.03	0.20	-1.89
35	140	391.1	-1146.7	-4.4	-0.02	-0.00	-0.83
	111	-468.5	1469.3	4.4	0.02	0.01	-1.32
36	140	177.6	-475.3	1.8	-0.01	-0.00	-0.37
	111	-255.0	797.8	-1.8	0.01	-0.00	-0.68
37	140	54.6	-1138.9	24.5	-0.02	-0.00	-0.86
	111	-132.0	1461.4	-24.5	0.02	-0.04	-1.28
38	140	181.4	-474.0	-12.4	-0.01	-0.00	-0.37
	111	-258.8	796.6	12.4	0.01	0.02	-0.68
39	140	289.8	23.9	-23.5	-0.00	-0.00	-0.00
	111	-367.2	298.7	23.5	0.00	0.04	-0.22
40	140	-452.6	-434.7	-69.3	-0.01	0.01	-0.41
	111	375.1	757.3	69.3	0.01	0.10	-0.57
41	140	811.7	-514.5	57.0	-0.01	-0.02	-0.33
	111	-889.1	837.0	-57.0	0.01	-0.08	-0.78
42	140	602.6	-1818.9	-2.7	-0.03	-0.00	-1.29
	111	-680.0	2141.5	2.7	0.03	0.01	-1.97
43	140	883.5	-1807.9	-11.5	-0.03	-0.04	-1.24
	111	-960.9	2130.5	11.5	0.03	0.04	-1.97
44	140	687.7	-1800.2	-77.2	-0.03	-0.07	-1.29
	111	-765.1	2122.8	77.2	0.03	0.18	-1.91
45	140	983.8	-1827.3	94.3	-0.02	0.03	-1.20

	111	-1061.3	2149.9	-94.3	0.02	-0.19	-2.06
46	140	874.1	-1836.2	119.3	-0.02	0.06	-1.21
	111	-951.5	2158.8	-119.3	0.02	-0.25	-2.08
47	140	517.6	-1837.6	71.8	-0.02	0.06	-1.28
	111	-595.0	2160.2	-71.8	0.02	-0.16	-2.03
48	140	321.8	-1829.9	6.1	-0.02	0.03	-1.33
	111	-399.2	2152.4	-6.1	0.02	-0.03	-1.97
49	140	331.2	-1801.6	-124.6	-0.03	-0.07	-1.36
	111	-408.6	2124.1	124.6	0.03	0.27	-1.87
50	140	221.4	-1810.5	-99.7	-0.03	-0.04	-1.37
	111	-298.8	2133.0	99.7	0.03	0.21	-1.89
51	140	407.1	-465.7	-13.0	-0.01	-0.03	-0.33
	111	-484.5	788.3	13.0	0.01	0.04	-0.68
52	140	247.9	-459.5	-65.9	-0.01	-0.05	-0.37
	111	-325.4	782.1	65.9	0.01	0.15	-0.63
53	140	489.2	-481.3	71.9	-0.01	0.03	-0.30
	111	-566.6	803.9	-71.9	0.01	-0.15	-0.75
54	140	400.5	-488.5	91.9	-0.01	0.05	-0.31
	111	-477.9	811.0	-91.9	0.01	-0.20	-0.76
55	140	111.2	-489.6	53.6	-0.00	0.05	-0.37
	111	-188.6	812.2	-53.6	0.00	-0.13	-0.72
56	140	-48.0	-483.5	0.7	-0.01	0.02	-0.41
	111	-29.5	806.0	-0.7	0.01	-0.02	-0.68
57	140	-41.3	-460.7	-104.2	-0.01	-0.05	-0.43
	111	-36.1	783.3	104.2	0.01	0.22	-0.59
58	140	-130.1	-467.9	-84.2	-0.01	-0.03	-0.44
	111	52.7	790.4	84.2	0.01	0.17	-0.61
1	111	-203.8	1146.7	4.9	-0.00	-0.00	1.07
	74	63.9	-563.6	-4.9	0.00	-0.01	0.88
2	111	-555.7	3213.6	13.0	-0.01	-0.01	3.41
	74	415.7	-2630.4	-13.0	0.01	-0.02	3.28
3	111	-6555.1	3245.9	35.0	-0.00	-0.02	3.53
	74	6415.2	-2662.8	-35.0	0.00	-0.06	3.23
4	111	-6628.2	4393.4	55.0	-0.00	-0.06	4.90
	74	6488.2	-3810.3	-55.0	0.00	-0.06	4.49
5	111	-6440.7	3264.0	21.2	-0.00	0.01	3.56
	74	6300.8	-2680.9	-21.2	0.00	-0.06	3.24
6	111	-6314.6	2402.1	10.2	-0.00	0.04	2.53
	74	6174.6	-1819.0	-10.2	0.00	-0.06	2.30
7	111	5318.4	3160.6	6.5	-0.01	-0.04	3.25
	74	-5458.3	-2577.5	-6.5	0.01	0.03	3.32
8	111	5245.4	4308.2	26.5	-0.01	-0.09	4.62
	74	-5385.3	-3725.0	-26.5	0.01	0.03	4.58
9	111	5432.8	3178.8	-7.3	-0.01	-0.01	3.28
	74	-5572.8	-2595.6	7.3	0.01	0.03	3.33
10	111	5558.9	2316.9	-18.3	-0.01	0.01	2.25
	74	-5698.9	-1733.7	18.3	0.01	0.03	2.38
11	111	-6421.0	2205.6	36.1	-0.00	-0.02	2.35
	74	6281.0	-1622.4	-36.1	0.00	-0.06	2.03
12	111	5452.5	2120.3	7.6	-0.01	-0.05	2.07
	74	-5592.5	-1537.2	-7.6	0.01	0.03	2.11
13	111	-6542.7	4118.2	69.5	-0.00	-0.10	4.63
	74	6402.8	-3535.0	-69.5	0.00	-0.06	4.13
14	111	5330.8	4032.9	41.0	-0.01	-0.12	4.35
	74	-5470.7	-3449.8	-41.0	0.01	0.03	4.21

	111	-6230.3	2235.8	13.2	-0.00	0.03	2.40
	74	6090.3	-1652.7	-13.2	0.00	-0.06	2.05
16	111	5643.2	2150.6	-15.3	-0.01	0.00	2.12
	74	-5783.2	-1567.4	15.3	0.01	0.03	2.13
17	111	-6020.1	799.3	-5.3	-0.00	0.07	0.69
	74	5880.1	-216.2	5.3	0.00	-0.06	0.47
18	111	5853.4	714.1	-33.7	-0.01	0.04	0.41
	74	-5993.4	-130.9	33.7	0.01	0.04	0.56
19	111	-10337.0	2240.9	40.4	-0.00	-0.00	2.46
	74	10197.1	-1657.7	-40.4	0.00	-0.09	2.00
20	111	9452.2	2098.8	-7.1	-0.01	-0.04	1.99
	74	-9592.1	-1515.6	7.1	0.01	0.06	2.15
21	111	-10410.1	3388.4	60.4	0.00	-0.05	3.82
	74	10270.1	-2805.3	-60.4	-0.00	-0.09	3.26
22	111	9379.1	3246.3	13.0	-0.01	-0.09	3.36
	74	-9519.1	-2663.2	-13.0	0.01	0.06	3.41
23	111	-10222.6	2259.0	26.7	0.00	0.03	2.49
	74	10082.7	-1675.9	-26.7	-0.00	-0.09	2.02
24	111	9566.6	2116.9	-20.8	-0.01	-0.02	2.02
	74	-9706.5	-1533.8	20.8	0.01	0.06	2.16
25	111	-10096.5	1397.1	15.6	-0.00	0.05	1.46
	74	9956.5	-814.0	-15.6	0.00	-0.09	1.07
26	111	9692.7	1255.0	-31.9	-0.01	0.01	0.99
	74	-9832.7	-671.9	31.9	0.01	0.06	1.21
27	111	315.7	2110.7	-17.3	-0.00	0.01	2.31
	74	-423.4	-1662.1	17.3	0.00	0.03	2.17
28	111	771.8	2216.1	-42.9	-0.00	0.05	2.49
	74	-879.4	-1767.5	42.9	0.00	0.06	2.23
29	111	-864.3	2019.0	40.5	-0.01	-0.07	2.03
	74	756.6	-1570.4	-40.5	0.01	-0.03	2.12
30	111	-659.6	2221.5	21.8	-0.00	-0.02	2.29
	74	551.9	-1773.0	-21.8	0.00	-0.03	2.23
31	111	-1535.5	2200.1	62.5	-0.01	-0.07	2.15
	74	1427.8	-1751.6	-62.5	0.01	-0.08	2.22
32	111	-1079.4	2305.6	36.9	-0.00	-0.03	2.33
	74	971.8	-1857.0	-36.9	0.00	-0.06	2.27
33	111	655.9	2370.4	-44.8	-0.00	0.07	2.65
	74	-763.6	-1921.9	44.8	0.00	0.04	2.31
34	111	100.5	2397.3	-20.9	-0.00	0.05	2.60
	74	-208.2	-1948.7	20.9	0.00	0.01	2.32
35	111	-264.6	1519.1	7.1	-0.00	-0.01	1.54
	74	156.9	-1070.6	-7.1	0.00	-0.01	1.42
36	111	-189.1	823.3	9.6	-0.00	-0.01	0.75
	74	81.4	-374.7	-9.6	0.00	-0.01	0.62
37	111	-237.8	1588.3	23.0	-0.00	-0.04	1.66
	74	130.1	-1139.8	-23.0	0.00	-0.01	1.46
38	111	-112.8	835.4	0.4	-0.00	0.01	0.77
	74	5.2	-386.9	-0.4	0.00	-0.01	0.63
39	111	-28.7	260.8	-6.9	-0.00	0.02	0.09
	74	-78.9	187.8	6.9	0.00	-0.01	-0.00
40	111	-4105.1	858.6	13.9	-0.00	0.01	0.86
	74	3997.5	-410.0	-13.9	0.00	-0.04	0.60
41	111	3810.5	801.8	-5.0	-0.00	-0.01	0.67
	74	-3918.2	-353.2	5.0	0.00	0.02	0.65
42	111	-381.9	2208.1	9.8	-0.00	-0.01	2.32
	74	274.2	-1759.6	-9.8	0.00	-0.01	2.22

	111	346.7	2202.4	-18.8	-0.00	0.01	2.31
	74	-454.4	-1753.8	18.8	0.00	0.04	2.17
44	111	814.6	2305.9	-44.5	-0.00	0.05	2.49
	74	-922.2	-1857.3	44.5	0.00	0.06	2.23
45	111	-872.9	2049.4	40.3	-0.01	-0.07	2.04
	74	765.3	-1600.8	-40.3	0.01	-0.03	2.12
46	111	-1450.4	2021.8	65.2	-0.01	-0.09	1.99
	74	1342.8	-1573.2	-65.2	0.01	-0.07	2.14
47	111	-1578.3	2110.3	64.2	-0.01	-0.07	2.15
	74	1470.7	-1661.8	-64.2	0.01	-0.08	2.22
48	111	-1110.4	2213.9	38.4	-0.00	-0.03	2.33
	74	1002.8	-1765.3	-38.4	0.00	-0.06	2.27
49	111	686.7	2394.5	-45.6	-0.00	0.07	2.65
	74	-794.3	-1945.9	45.6	0.00	0.04	2.31
50	111	109.2	2366.9	-20.7	-0.00	0.04	2.60
	74	-216.8	-1918.3	20.7	0.00	0.01	2.32
51	111	442.7	750.9	-18.7	-0.00	0.01	0.76
	74	-550.4	-302.3	18.7	0.00	0.03	0.58
52	111	817.1	834.7	-39.3	-0.00	0.05	0.90
	74	-924.8	-386.2	39.3	0.00	0.05	0.63
53	111	-538.1	679.3	28.9	-0.00	-0.05	0.54
	74	430.4	-230.7	-28.9	0.00	-0.02	0.54
54	111	-1004.4	701.7	48.9	-0.00	-0.07	0.50
	74	896.8	-253.2	-48.9	0.00	-0.05	0.55
55	111	-1111.7	825.7	48.2	-0.00	-0.05	0.62
	74	1004.1	-377.1	-48.2	0.00	-0.07	0.62
56	111	-737.3	909.5	27.6	-0.00	-0.02	0.77
	74	629.7	-460.9	-27.6	0.00	-0.05	0.66
57	111	709.8	958.7	-40.0	-0.00	0.06	1.03
	74	-817.5	-510.1	40.0	0.00	0.04	0.69
58	111	243.5	981.1	-20.0	-0.00	0.04	0.99
	74	-351.2	-532.5	20.0	0.00	0.01	0.70
1	109	-410.6	7991.1	411.5	0.15	-0.45	6.38
	72	-1324.9	-759.9	-411.5	-0.15	-0.49	3.63
2	109	-761.7	9931.3	672.8	0.23	-0.76	8.53
	72	-973.8	-2700.0	-672.8	-0.23	-0.78	5.92
3	109	19745.4	12257.1	-172.5	0.36	0.79	14.91
	72	-21480.9	-5025.9	172.5	-0.36	-0.40	4.87
4	109	16400.0	14976.9	-28.4	0.11	0.40	18.96
	72	-18135.5	-7745.6	28.4	-0.11	-0.33	7.03
5	109	20296.2	13068.4	-421.2	0.04	1.10	16.03
	72	-22031.7	-5837.2	421.2	-0.04	-0.13	5.60
6	109	24963.7	10868.0	-490.7	0.24	1.32	12.63
	72	-26699.2	-3636.7	490.7	-0.24	-0.19	3.96
7	109	-21881.4	6685.1	1802.5	0.47	-2.66	0.88
	72	20145.9	546.2	-1802.5	-0.47	-1.46	6.15
8	109	-25226.8	9404.8	1946.5	0.22	-3.05	4.93
	72	23491.3	-2173.6	-1946.5	-0.22	-1.40	8.31
9	109	-21330.6	7496.4	1553.7	0.15	-2.36	2.00
	72	19595.1	-265.1	-1553.7	-0.15	-1.20	6.88
10	109	-16663.0	5295.9	1484.2	0.35	-2.14	-1.39
	72	14927.5	1935.3	-1484.2	-0.35	-1.26	5.24
11	109	19716.7	10980.2	-208.3	0.44	0.83	13.41
	72	-21452.2	-3749.0	208.3	-0.44	-0.35	3.44
12	109	-21910.0	5408.2	1766.6	0.55	-2.62	-0.62

	72	20174.5	1823.1	-1766.6	-0.55	-1.42	4.72
13	109	14141.1	15513.2	31.8	0.02	0.17	20.17
	72	-15876.6	-8282.0	-31.8	-0.02	-0.25	7.05
14	109	-27485.6	9941.2	2006.8	0.13	-3.28	6.14
	72	25750.1	-2709.9	-2006.8	-0.13	-1.31	8.33
15	109	20634.7	12332.5	-622.9	-0.10	1.34	15.28
	72	-22370.2	-5101.2	622.9	0.10	0.09	4.67
16	109	-20992.0	6760.4	1352.0	0.01	-2.11	1.25
	72	19256.5	470.8	-1352.0	-0.01	-0.98	5.95
17	109	28413.9	8665.0	-738.7	0.24	1.70	9.62
	72	-30149.4	-1433.7	738.7	-0.24	-0.01	1.93
18	109	-13212.8	3092.9	1236.3	0.35	-1.75	-4.41
	72	11477.3	4138.3	-1236.3	-0.35	-1.08	3.21
19	109	33796.5	13144.4	-961.4	0.28	2.10	18.51
	72	-35532.0	-5913.1	961.4	-0.28	0.10	3.29
20	109	-35581.4	3857.6	2330.1	0.46	-3.66	-4.87
	72	33845.9	3373.6	-2330.1	-0.46	-1.67	5.43
21	109	30451.1	15864.2	-817.4	0.03	1.70	22.57
	72	-32186.6	-8632.9	817.4	-0.03	0.17	5.46
22	109	-38926.8	6577.4	2474.2	0.21	-4.05	-0.82
	72	37191.3	653.8	-2474.2	-0.21	-1.61	7.59
23	109	34347.3	13955.7	-1210.2	-0.04	2.40	19.63
	72	-36082.8	-6724.5	1210.2	0.04	0.37	4.03
24	109	-35030.6	4669.0	2081.4	0.14	-3.35	-3.75
	72	33295.1	2562.3	-2081.4	-0.14	-1.41	6.16
25	109	39014.8	11755.2	-1279.7	0.16	2.62	16.24
	72	-40750.3	-4524.0	1279.7	-0.16	0.31	2.39
26	109	-30363.1	2468.5	2011.9	0.34	-3.13	-7.15
	72	28627.6	4762.8	-2011.9	-0.34	-1.47	4.52
27	109	-465.4	7493.7	-83.7	0.07	0.06	6.48
	72	-869.6	-1931.2	83.7	-0.07	0.38	4.31
28	109	1374.1	10222.5	-292.9	0.04	-0.29	11.99
	72	-2709.1	-4660.0	292.9	-0.04	0.95	5.04
29	109	-3303.4	3230.3	635.9	0.20	0.16	-2.15
	72	1968.4	2332.2	-635.9	-0.20	-1.15	3.17
30	109	-830.8	6852.9	694.7	0.22	-0.69	5.17
	72	-504.2	-1290.4	-694.7	-0.22	-0.94	4.14
31	109	-2442.6	4408.8	1274.8	0.32	-0.82	0.23
	72	1107.6	1153.7	-1274.8	-0.32	-2.09	3.49
32	109	-603.1	7137.7	1065.6	0.29	-1.17	5.74
	72	-731.9	-1575.2	-1065.6	-0.29	-1.52	4.22
33	109	2828.0	12326.5	-61.5	0.08	-1.01	16.24
	72	-4163.0	-6764.0	61.5	-0.08	0.75	5.60
34	109	2234.9	11401.0	346.1	0.16	-1.28	14.37
	72	-3569.9	-5838.5	-346.1	-0.16	0.01	5.36
35	109	-417.2	6668.9	403.9	0.15	-0.45	5.39
	72	-917.8	-1106.4	-403.9	-0.15	-0.47	3.50
36	109	-504.4	5715.4	411.6	0.24	-0.47	4.25
	72	-830.6	-152.9	-411.6	-0.24	-0.48	2.46
37	109	-2734.6	7528.6	507.6	0.08	-0.73	6.96
	72	1399.6	-1966.1	-507.6	-0.08	-0.43	3.90
38	109	-137.2	6256.3	245.7	0.03	-0.26	5.00
	72	-1197.8	-693.8	-245.7	-0.03	-0.30	2.95
39	109	2974.5	4789.3	199.4	0.17	-0.12	2.74
	72	-4309.5	773.2	-199.4	-0.17	-0.34	1.86
40	109	13575.4	7879.6	-341.5	0.09	0.80	9.35

	72	-14910.4	-2317.1	341.5	-0.09	-0.02	2.31
41	109	-14175.8	4164.9	975.1	0.16	-1.50	0.00
	72	12840.8	1397.6	-975.1	-0.16	-0.73	3.16
42	109	-534.3	7315.7	491.0	0.18	-0.56	6.11
	72	-800.7	-1753.2	-491.0	-0.18	-0.57	4.27
43	109	-427.6	7505.0	-108.2	0.07	0.04	6.50
	72	-907.4	-1942.5	108.2	-0.07	0.42	4.32
44	109	1421.0	10340.8	-315.8	0.03	-0.30	12.23
	72	-2756.0	-4778.3	315.8	-0.03	1.02	5.07
45	109	-3305.8	3071.6	626.1	0.19	0.14	-2.47
	72	1970.8	2490.9	-626.1	-0.19	-1.18	3.13
46	109	-3924.4	2107.2	1047.9	0.27	-0.12	-4.42
	72	2589.4	3455.3	-1047.9	-0.27	-1.95	2.88
47	109	-2489.5	4290.5	1297.7	0.32	-0.81	-0.01
	72	1154.5	1272.0	-1297.7	-0.32	-2.15	3.46
48	109	-640.9	7126.3	1090.1	0.29	-1.15	5.72
	72	-694.1	-1563.8	-1090.1	-0.29	-1.55	4.21
49	109	2855.9	12524.1	-66.0	0.09	-0.99	16.64
	72	-4190.9	-6961.6	66.0	-0.09	0.82	5.66
50	109	2237.3	11559.8	355.8	0.16	-1.25	14.69
	72	-3572.3	-5997.3	-355.8	-0.16	0.05	5.40
51	109	-218.8	6176.5	-170.0	0.03	0.14	5.00
	72	-1116.2	-614.0	170.0	-0.03	0.43	2.78
52	109	1271.2	8459.8	-336.6	0.00	-0.14	9.61
	72	-2606.2	-2897.3	336.6	-0.00	0.90	3.39
53	109	-2535.6	2605.5	423.5	0.13	0.21	-2.23
	72	1200.6	2957.0	-423.5	-0.13	-0.86	1.83
54	109	-3031.5	1827.9	765.5	0.20	0.00	-3.80
	72	1696.5	3734.6	-765.5	-0.20	-1.48	1.62
55	109	-1871.6	3584.6	970.2	0.24	-0.56	-0.26
	72	536.6	1977.9	-970.2	-0.24	-1.65	2.09
56	109	-381.6	5867.9	803.5	0.21	-0.84	4.36
	72	-953.4	-305.4	-803.5	-0.21	-1.17	2.70
57	109	2431.1	10216.5	-132.0	0.05	-0.70	13.16
	72	-3766.1	-4654.0	132.0	-0.05	0.73	3.86
58	109	1935.3	9438.9	210.1	0.11	-0.91	11.58
	72	-3270.3	-3876.4	-210.1	-0.11	0.11	3.65
1	168	-727.0	4732.5	-206.3	0.21	0.33	1.03
	138	-521.0	467.5	206.3	-0.21	0.01	2.48
2	168	-1073.9	6019.7	-332.7	0.32	0.52	1.34
	138	-174.1	-819.7	332.7	-0.32	0.03	4.29
3	168	4260.9	10769.0	-1636.6	0.24	2.29	8.46
	138	-5508.9	-5569.0	1636.6	-0.24	0.40	4.98
4	168	2445.0	12073.2	-1500.8	0.26	2.05	9.26
	138	-3693.0	-6873.2	1500.8	-0.26	0.42	6.33
5	168	4505.0	10946.2	-1867.9	0.34	2.61	8.76
	138	-5753.0	-5746.2	1867.9	-0.34	0.46	4.97
6	168	8452.7	9929.2	-1871.4	0.32	2.65	8.23
	138	-9700.7	-4729.2	1871.4	-0.32	0.43	3.83
7	168	-6681.8	1072.3	1218.3	0.29	-1.60	-6.12
	138	5433.8	4127.7	-1218.3	-0.29	-0.40	3.61
8	168	-8497.8	2376.5	1354.1	0.31	-1.85	-5.33
	138	7249.8	2823.5	-1354.1	-0.31	-0.38	4.96
9	168	-6437.7	1249.5	987.0	0.39	-1.28	-5.82
	138	5189.7	3950.5	-987.0	-0.39	-0.34	3.60

	168	-2490.1	232.5	983.5	0.37	-1.25	-6.36
	138	1242.1	4967.5	-983.5	-0.37	-0.37	2.46
11	168	4343.4	10059.3	-1491.0	0.15	2.08	8.19
	138	-5591.4	-4859.3	1491.0	-0.15	0.37	4.08
12	168	-6599.3	362.6	1363.9	0.21	-1.81	-6.39
	138	5351.3	4837.4	-1363.9	-0.21	-0.43	2.71
13	168	1316.8	12233.0	-1264.6	0.18	1.67	9.52
	138	-2564.8	-7033.0	1264.6	-0.18	0.41	6.33
14	168	-9626.0	2536.3	1590.2	0.23	-2.22	-5.06
	138	8378.0	2663.7	-1590.2	-0.23	-0.40	4.96
15	168	4750.2	10354.7	-1876.6	0.32	2.62	8.70
	138	-5998.2	-5154.7	1876.6	-0.32	0.47	4.06
16	168	-6192.5	658.0	978.3	0.37	-1.28	-5.89
	138	4944.5	4542.0	-978.3	-0.37	-0.33	2.69
17	168	11329.6	8659.7	-1882.3	0.29	2.68	7.80
	138	-12577.6	-3459.7	1882.3	-0.29	0.42	2.17
18	168	386.9	-1037.0	972.6	0.34	-1.22	-6.78
	138	-1634.9	6237.0	-972.6	-0.34	-0.38	0.80
19	168	8082.0	13357.6	-2525.0	0.17	3.50	13.17
	138	-9330.0	-8157.6	2525.0	-0.17	0.66	4.53
20	168	-10155.9	-2803.6	2233.2	0.26	-2.99	-11.14
	138	8907.9	8003.6	-2233.2	-0.26	-0.68	2.25
21	168	6266.0	14661.8	-2389.2	0.19	3.25	13.96
	138	-7514.0	-9461.8	2389.2	-0.19	0.68	5.88
22	168	-11971.9	-1499.4	2369.0	0.28	-3.24	-10.34
	138	10723.9	6699.4	-2369.0	-0.28	-0.66	3.60
23	168	8326.1	13534.8	-2756.4	0.27	3.82	13.47
	138	-9574.1	-8334.8	2756.4	-0.27	0.72	4.52
24	168	-9911.8	-2626.3	2001.8	0.36	-2.67	-10.84
	138	8663.8	7826.3	-2001.8	-0.36	-0.62	2.24
25	168	12273.7	12517.9	-2759.8	0.25	3.85	12.93
	138	-13521.7	-7317.9	2759.8	-0.25	0.69	3.38
26	168	-5964.2	-3643.3	1998.3	0.34	-2.64	-11.37
	138	4716.2	8843.3	-1998.3	-0.34	-0.65	1.10
27	168	-653.4	4711.8	-1937.5	0.96	2.38	1.29
	138	-306.6	-711.8	1937.5	-0.96	0.82	3.17
28	168	-1385.3	6834.4	-3830.8	1.23	4.91	3.80
	138	425.3	-2834.4	3830.8	-1.23	1.42	4.16
29	168	372.8	1374.4	2135.0	0.05	-2.87	-2.67
	138	-1332.8	2625.6	-2135.0	-0.05	-0.65	1.62
30	168	-699.4	4174.1	576.9	-0.03	-0.64	0.63
	138	-260.6	-174.1	-576.9	0.03	-0.31	2.94
31	168	-161.1	2251.8	3387.1	-0.77	-4.21	-1.65
	138	-798.9	1748.2	-3387.1	0.77	-1.38	2.06
32	168	-893.0	4374.5	1493.8	-0.50	-1.69	0.86
	138	-67.0	-374.5	-1493.8	0.50	-0.78	3.05
33	168	-2066.9	8449.9	-4176.0	0.93	5.54	5.70
	138	1106.9	-4449.9	4176.0	-0.93	1.35	4.93
34	168	-1919.2	7711.9	-2578.6	0.41	3.56	4.82
	138	959.2	-3711.9	2578.6	-0.41	0.69	4.59
35	168	-657.5	4114.0	-179.7	0.20	0.28	0.97
	138	-302.5	-114.0	179.7	-0.20	0.01	2.51
36	168	-632.9	3618.9	-55.2	0.13	0.11	0.76
	138	-327.1	381.1	55.2	-0.13	-0.01	1.91
37	168	-1843.6	4488.4	35.4	0.14	-0.06	1.29
	138	883.6	-488.4	-35.4	-0.14	0.00	2.81

	168	-470.2	3737.1	-209.4	0.19	0.32	0.96
	138	-489.8	262.9	209.4	-0.19	0.03	1.90
39	168	2161.6	3059.1	-211.7	0.18	0.34	0.60
	138	-3121.6	940.9	211.7	-0.18	0.01	1.14
40	168	3105.7	6917.2	-1089.2	0.14	1.52	5.73
	138	-4065.7	-2917.2	1089.2	-0.14	0.27	2.36
41	168	-4189.5	452.7	814.1	0.18	-1.08	-3.99
	138	3229.5	3547.3	-814.1	-0.18	-0.26	1.45
42	168	-773.2	4543.1	-221.8	0.23	0.35	1.08
	138	-186.8	-543.1	221.8	-0.23	0.02	3.11
43	168	-675.1	4716.2	-2020.9	0.99	2.48	1.29
	138	-284.9	-716.2	2020.9	-0.99	0.85	3.17
44	168	-1375.7	6925.0	-3994.5	1.26	5.11	3.91
	138	415.8	-2925.0	3994.5	-1.26	1.48	4.20
45	168	318.9	1245.0	2231.6	0.04	-3.00	-2.83
	138	-1278.9	2755.0	-2231.6	-0.04	-0.68	1.57
46	168	470.2	478.6	3903.1	-0.50	-5.07	-3.74
	138	-1430.2	3521.4	-3903.1	0.50	-1.37	1.23
47	168	-170.6	2161.3	3550.8	-0.80	-4.42	-1.76
	138	-789.4	1838.7	-3550.8	0.80	-1.44	2.02
48	168	-871.3	4370.1	1577.3	-0.53	-1.79	0.86
	138	-88.7	-370.1	-1577.3	0.53	-0.81	3.05
49	168	-2016.6	8607.7	-4346.8	0.96	5.76	5.89
	138	1056.6	-4607.7	4346.8	-0.96	1.41	4.99
50	168	-1865.2	7841.2	-2675.3	0.42	3.69	4.98
	138	905.2	-3841.2	2675.3	-0.42	0.72	4.64
51	168	-462.1	3828.4	-1587.4	0.78	1.94	1.05
	138	-497.9	171.6	1587.4	-0.78	0.68	1.95
52	168	-1030.1	5607.1	-3166.5	1.00	4.04	3.16
	138	70.1	-1607.1	3166.5	-1.00	1.18	2.78
53	168	343.5	1030.2	1822.4	0.01	-2.45	-2.27
	138	-1303.5	2969.8	-1822.4	-0.01	-0.55	0.67
54	168	466.0	410.5	3166.1	-0.42	-4.12	-3.01
	138	-1426.0	3589.5	-3166.1	0.42	-1.11	0.39
55	168	-53.7	1762.8	2891.4	-0.68	-3.60	-1.42
	138	-906.3	2237.2	-2891.4	0.68	-1.17	1.02
56	168	-621.7	3541.6	1312.3	-0.46	-1.50	0.69
	138	-338.3	458.4	-1312.3	0.46	-0.67	1.85
57	168	-1549.8	6959.4	-3441.2	0.75	4.55	4.75
	138	589.8	-2959.4	3441.2	-0.75	1.12	3.42
58	168	-1427.3	6339.7	-2097.5	0.31	2.89	4.01
	138	467.3	-2339.7	2097.5	-0.31	0.57	3.14
1	138	721.4	-1302.3	-276.5	0.21	-0.01	-2.47
	109	-1969.4	6502.3	276.5	-0.21	0.47	-3.95
2	138	1101.1	-3042.7	-383.9	0.32	-0.03	-4.26
	109	-2349.1	8242.7	383.9	-0.32	0.66	-5.02
3	138	6435.9	1706.5	-2329.0	0.24	-0.40	-4.95
	109	-7683.9	3493.5	2329.0	-0.24	4.23	3.48
4	138	4620.0	1473.8	-2126.3	0.26	-0.42	-6.29
	109	-5868.0	3726.2	2126.3	-0.26	3.92	4.44
5	138	6680.0	1883.8	-2366.2	0.34	-0.46	-4.94
	109	-7928.0	3316.2	2366.2	-0.34	4.35	3.76
6	138	10627.7	2019.5	-2433.9	0.32	-0.43	-3.81
	109	-11875.7	3180.5	2433.9	-0.32	4.44	2.85
7	138	-4506.8	-7990.2	1596.0	0.29	0.40	-3.58

	109	3258.8	13190.2	-1596.0	-0.29	-3.03	-13.84
8	138	-6322.8	-8222.9	1798.7	0.31	0.38	-4.92
	109	5074.8	13422.9	-1798.7	-0.31	-3.34	-12.89
9	138	-4262.7	-7812.9	1558.9	0.39	0.34	-3.57
	109	3014.7	13012.9	-1558.9	-0.39	-2.91	-13.56
10	138	-315.1	-7677.2	1491.2	0.37	0.37	-2.44
	109	-932.9	12877.2	-1491.2	-0.37	-2.83	-14.47
11	138	6155.1	2510.7	-2263.7	0.15	-0.37	-4.06
	109	-7403.1	2689.3	2263.7	-0.15	4.09	3.91
12	138	-4787.7	-7186.0	1661.3	0.21	0.43	-2.69
	109	3539.7	12386.0	-1661.3	-0.21	-3.17	-13.41
13	138	3128.4	2122.7	-1925.9	0.18	-0.41	-6.29
	109	-4376.4	3077.3	1925.9	-0.18	3.58	5.51
14	138	-7814.3	-7574.0	1999.2	0.23	0.40	-4.93
	109	6566.3	12774.0	-1999.2	-0.23	-3.69	-11.82
15	138	6561.9	2806.1	-2325.6	0.32	-0.47	-4.04
	109	-7809.9	2393.9	2325.6	-0.32	4.30	4.38
16	138	-4380.9	-6890.6	1599.5	0.37	0.33	-2.68
	109	3132.9	12090.6	-1599.5	-0.37	-2.97	-12.94
17	138	13141.3	3032.4	-2438.5	0.29	-0.42	-2.16
	109	-14389.3	2167.6	2438.5	-0.29	4.43	2.87
18	138	2198.6	-6664.3	1486.6	0.34	0.38	-0.79
	109	-3446.6	11864.3	-1486.6	-0.34	-2.83	-14.45
19	138	9893.7	5809.0	-3583.7	0.17	-0.66	-4.51
	109	-11141.7	-609.0	3583.7	-0.17	6.56	9.79
20	138	-8344.2	-10352.2	2958.1	0.26	0.68	-2.23
	109	7096.2	15552.2	-2958.1	-0.26	-5.55	-19.08
21	138	8077.7	5576.2	-3381.0	0.19	-0.68	-5.85
	109	-9325.7	-376.2	3381.0	-0.19	6.24	10.75
22	138	-10160.2	-10585.0	3160.8	0.28	0.66	-3.57
	109	8912.2	15785.0	-3160.8	-0.28	-5.86	-18.12
23	138	10137.8	5986.2	-3620.8	0.27	-0.72	-4.50
	109	-11385.8	-786.2	3620.8	-0.27	6.68	10.07
24	138	-8100.2	-10175.0	2921.0	0.36	0.62	-2.22
	109	6852.2	15375.0	-2921.0	-0.36	-5.43	-18.80
25	138	14085.4	6122.0	-3688.6	0.25	-0.69	-3.37
	109	-15333.4	-922.0	3688.6	-0.25	6.76	9.17
26	138	-4152.5	-10039.2	2853.2	0.34	0.65	-1.09
	109	2904.5	15239.2	-2853.2	-0.34	-5.34	-19.70
27	138	1940.2	-1889.4	-590.0	0.96	-0.82	-3.15
	109	-2900.2	5889.4	590.0	-0.96	1.62	-3.25
28	138	751.5	75.1	-1985.3	1.23	-1.42	-4.14
	109	-1711.5	3924.9	1985.3	-1.23	4.48	0.97
29	138	2950.8	-4978.8	1755.2	0.05	0.65	-1.61
	109	-3910.8	8978.8	-1755.2	-0.05	-3.53	-9.87
30	138	647.0	-2388.3	44.6	-0.03	0.31	-2.92
	109	-1607.0	6388.3	-44.6	0.03	-0.33	-4.30
31	138	865.1	-4168.1	1459.6	-0.77	1.38	-2.04
	109	-1825.1	8168.1	-1459.6	0.77	-3.57	-8.10
32	138	-323.6	-2203.6	64.3	-0.50	0.78	-3.03
	109	-636.4	6203.6	-64.3	0.50	-0.71	-3.89
33	138	-1011.6	1569.5	-2895.7	0.93	-1.35	-4.91
	109	51.6	2430.5	2895.7	-0.93	6.00	4.19
34	138	-1334.2	885.9	-2280.9	0.41	-0.69	-4.57
	109	374.2	3114.1	2280.9	-0.41	4.44	2.73
35	138	681.7	-1466.4	-227.0	0.20	-0.01	-2.49

	109	-1641.7	5466.4	227.0	-0.20	0.39	-3.21
36	138	464.2	-952.3	-179.6	0.13	0.01	-1.90
	109	-1424.2	4952.3	179.6	-0.13	0.28	-2.96
37	138	-746.5	-1107.5	-44.5	0.14	-0.00	-2.79
	109	-213.5	5107.4	44.5	-0.14	0.07	-2.32
38	138	626.9	-834.1	-204.4	0.19	-0.03	-1.89
	109	-1586.9	4834.1	204.4	-0.19	0.36	-2.77
39	138	3258.7	-743.6	-249.5	0.18	-0.01	-1.14
	109	-4218.7	4743.6	249.5	-0.18	0.42	-3.37
40	138	4202.8	2346.0	-1499.6	0.14	-0.27	-2.35
	109	-5162.8	1654.0	1499.6	-0.14	2.74	2.92
41	138	-3092.4	-4118.5	1117.1	0.18	0.26	-1.44
	109	2132.4	8118.5	-1117.1	-0.18	-2.10	-8.63
42	138	808.3	-2046.5	-262.8	0.23	-0.02	-3.09
	109	-1768.3	6046.5	262.8	-0.23	0.45	-3.57
43	138	843.1	-1885.1	-593.0	0.99	-0.85	-3.15
	109	-1803.1	5885.1	593.0	-0.99	1.67	-3.24
44	138	-337.7	160.6	-2032.3	1.26	-1.48	-4.18
	109	-622.3	3839.4	2032.3	-1.26	4.64	1.15
45	138	2609.7	-5100.7	1821.0	0.04	0.68	-1.56
	109	-3569.7	9100.7	-1821.0	-0.04	-3.68	-10.12
46	138	2943.1	-5811.3	2450.9	-0.50	1.37	-1.21
	109	-3903.1	9811.3	-2450.9	0.50	-5.30	-11.63
47	138	1954.4	-4253.6	1506.6	-0.80	1.44	-2.00
	109	-2914.3	8253.6	-1506.6	0.80	-3.73	-8.28
48	138	773.5	-2207.9	67.3	-0.53	0.81	-3.03
	109	-1733.5	6207.9	-67.3	0.53	-0.77	-3.90
49	138	-1326.5	1718.3	-2976.6	0.96	-1.41	-4.97
	109	366.5	2281.7	2976.6	-0.96	6.20	4.50
50	138	-993.1	1007.7	-2346.7	0.42	-0.72	-4.62
	109	33.1	2992.3	2346.7	-0.42	4.58	2.98
51	138	1483.2	-752.7	-451.3	0.78	-0.68	-1.95
	109	-2443.2	4752.7	451.3	-0.78	1.29	-2.58
52	138	528.4	894.6	-1606.9	1.00	-1.18	-2.77
	109	-1488.4	3105.4	1606.9	-1.00	3.67	0.95
53	138	2281.7	-3344.5	1483.5	0.01	0.55	-0.66
	109	-3241.7	7344.5	-1483.5	-0.01	-2.99	-8.13
54	138	2011.3	-3918.8	1986.2	-0.42	1.11	-0.38
	109	-2971.3	7918.8	-1986.2	0.42	-4.29	-9.35
55	138	582.0	-2667.0	1224.4	-0.68	1.17	-1.02
	109	-1542.0	6667.0	-1224.4	0.68	-3.03	-6.66
56	138	-372.8	-1019.8	68.8	-0.46	0.67	-1.84
	109	-587.2	5019.8	-68.8	0.46	-0.65	-3.13
57	138	-901.0	2146.4	-2368.6	0.75	-1.12	-3.41
	109	-59.0	1853.6	2368.6	-0.75	4.93	3.65
58	138	-1171.3	1572.1	-1865.9	0.31	-0.57	-3.13
	109	211.3	2427.9	1865.9	-0.31	3.63	2.42
1	106	-4218.0	11166.6	2.4	0.17	-0.04	11.08
	71	2354.7	-187.1	-2.4	-0.17	0.03	7.44
2	106	-5404.9	15711.3	-1.6	0.36	-0.06	16.74
	71	2982.5	-1437.3	1.6	-0.36	0.07	12.78
3	106	-11172.5	16804.5	139.6	0.07	-0.32	20.96
	71	8750.1	-1717.0	-3.5	-0.07	0.02	11.18
4	106	-8690.0	17031.1	63.4	-0.04	-0.41	21.45
	71	6267.7	-1943.6	-199.5	0.04	0.06	11.42

	106	-15155.4	14733.7	54.5	-0.01	-0.33	18.08
	71	12733.1	-1069.7	-156.6	0.01	0.05	8.97
6	106	-15108.4	14552.8	105.8	0.08	-0.25	17.71
	71	12686.0	-888.9	-3.7	-0.08	0.02	8.76
7	106	4808.3	16973.0	-43.8	0.74	0.20	15.76
	71	-7230.6	-1885.5	179.9	-0.74	0.09	16.92
8	106	7290.7	17199.6	-120.0	0.64	0.11	16.25
	71	-9713.1	-2112.1	-16.1	-0.64	0.13	17.15
9	106	825.3	14902.1	-128.9	0.66	0.19	12.88
	71	-3247.7	-1238.2	26.8	-0.66	0.12	14.70
10	106	872.3	14721.3	-77.6	0.75	0.27	12.51
	71	-3294.7	-1057.4	179.7	-0.75	0.09	14.50
11	106	-9097.2	15317.1	174.5	0.01	-0.31	19.21
	71	6954.4	-1334.6	52.3	-0.01	-0.01	9.36
12	106	6883.5	15485.6	-8.9	0.68	0.21	14.02
	71	-9026.4	-1503.0	235.7	-0.68	0.06	15.09
13	106	-4959.8	15694.8	47.5	-0.17	-0.45	20.03
	71	2816.9	-1712.3	-274.3	0.17	0.06	9.75
14	106	11021.0	15863.2	-135.9	0.51	0.07	14.83
	71	-13163.8	-1880.7	-90.9	-0.51	0.13	15.48
15	106	-15735.4	11865.7	32.8	-0.13	-0.32	14.41
	71	13592.6	-255.8	-202.9	0.13	0.04	5.67
16	106	245.3	12034.1	-150.7	0.55	0.19	9.21
	71	-2388.1	-424.2	-19.5	-0.55	0.11	11.40
17	106	-15657.1	11564.3	118.2	0.02	-0.19	13.80
	71	13514.2	45.6	51.9	-0.02	-0.00	5.32
18	106	323.7	11732.7	-65.2	0.69	0.32	8.60
	71	-2466.5	-122.9	235.3	-0.69	0.06	11.06
19	106	-15906.0	14476.0	202.7	-0.25	-0.48	19.86
	71	13763.1	-1035.8	-66.6	0.25	-0.02	6.60
20	106	10728.6	14756.8	-103.0	0.88	0.38	11.20
	71	-12871.5	-1316.6	239.1	-0.88	0.09	16.16
21	106	-13423.5	14702.6	126.5	-0.35	-0.57	20.35
	71	11280.7	-1262.4	-262.6	0.35	0.02	6.83
22	106	13211.1	14983.4	-179.2	0.77	0.29	11.69
	71	-15353.9	-1543.2	43.1	-0.77	0.13	16.39
23	106	-19888.9	12405.1	117.7	-0.33	-0.49	16.98
	71	17746.1	-388.5	-219.7	0.33	0.01	4.39
24	106	6745.7	12685.9	-188.1	0.79	0.37	8.32
	71	-8888.5	-669.3	86.0	-0.79	0.12	13.95
25	106	-19841.9	12224.3	168.9	-0.24	-0.41	16.61
	71	17699.1	-207.7	-66.9	0.24	-0.02	4.18
26	106	6792.7	12505.1	-136.8	0.88	0.45	7.95
	71	-8935.5	-488.4	238.9	-0.88	0.10	13.74
27	106	-4629.2	9705.1	-357.6	0.84	0.41	7.30
	71	2836.2	859.8	357.6	-0.84	0.72	7.96
28	106	-9357.1	10502.2	-569.6	0.68	0.55	8.86
	71	7564.1	62.7	569.6	-0.68	1.35	9.03
29	106	3133.0	9746.7	213.7	0.68	-0.13	8.27
	71	-4925.9	818.2	-213.7	-0.68	-0.72	7.18
30	106	-2821.5	11908.0	138.3	0.11	-0.20	13.27
	71	1028.5	-1343.1	-138.3	-0.11	-0.25	9.38
31	106	1788.8	12481.1	568.3	-0.16	-0.64	15.29
	71	-3581.7	-1916.2	-568.3	0.16	-1.25	9.33
32	106	-2939.1	13278.2	356.4	-0.33	-0.50	16.85
	71	1146.2	-2713.3	-356.4	0.33	-0.62	10.40

	106	-12626.7	12403.7	-492.7	0.13	0.35	13.48
	71	10833.8	-1838.9	492.7	-0.13	1.40	10.76
34	106	-10701.3	13236.5	-215.0	-0.17	0.03	15.88
	71	8908.4	-2671.7	214.9	0.17	0.81	11.17
35	106	-3388.5	9976.7	0.7	0.19	-0.04	10.19
	71	1782.0	-510.0	-0.7	-0.19	0.04	7.40
36	106	-1511.0	9246.8	35.0	0.16	-0.03	9.39
	71	90.9	-335.9	55.8	-0.16	0.01	6.46
37	106	143.9	9397.8	-15.9	0.09	-0.09	9.71
	71	-1564.1	-487.0	-74.9	-0.09	0.04	6.62
38	106	-4166.3	7866.2	-21.8	0.11	-0.04	7.46
	71	2746.1	95.6	-46.3	-0.11	0.03	4.99
39	106	-4135.0	7745.6	12.4	0.17	0.02	7.22
	71	2714.8	216.1	55.6	-0.17	0.02	4.85
40	106	-8319.8	8405.7	63.1	-0.09	-0.20	10.03
	71	6899.6	-37.1	-63.1	0.09	0.00	3.71
41	106	2334.0	8518.0	-59.2	0.36	0.14	6.57
	71	-3754.2	-149.5	59.2	-0.36	0.05	7.53
42	106	-3784.1	11491.6	-0.6	0.26	-0.05	12.08
	71	1991.2	-926.7	0.6	-0.26	0.05	9.18
43	106	-4629.0	9656.1	-371.8	0.86	0.43	7.17
	71	2836.1	908.8	371.8	-0.86	0.74	7.91
44	106	-9572.0	10475.6	-594.6	0.70	0.56	8.76
	71	7779.1	89.2	594.6	-0.70	1.41	9.03
45	106	3459.3	9698.0	225.9	0.68	-0.11	8.19
	71	-5252.2	866.9	-225.9	-0.68	-0.76	7.10
46	106	5449.1	10553.5	515.4	0.37	-0.44	10.65
	71	-7242.0	11.4	-515.4	-0.37	-1.37	7.52
47	106	2003.7	12507.6	593.3	-0.18	-0.66	15.39
	71	-3796.7	-1942.7	-593.3	0.18	-1.32	9.32
48	106	-2939.3	13327.1	370.6	-0.34	-0.52	16.98
	71	1146.4	-2762.3	-370.6	0.34	-0.65	10.44
49	106	-13017.4	12429.8	-516.7	0.15	0.34	13.50
	71	11224.5	-1864.9	516.7	-0.15	1.47	10.83
50	106	-11027.6	13285.2	-227.1	-0.17	0.02	15.97
	71	9234.7	-2720.4	227.1	0.17	0.85	11.25
51	106	-3660.6	6961.9	-298.9	0.62	0.35	4.29
	71	2240.4	1406.6	298.9	-0.62	0.59	4.59
52	106	-7633.3	7628.1	-476.7	0.49	0.46	5.60
	71	6213.1	740.4	476.7	-0.49	1.12	5.49
53	106	2832.1	7001.3	181.3	0.48	-0.09	5.12
	71	-4252.3	1367.2	-181.3	-0.48	-0.62	3.94
54	106	4424.5	7701.4	415.2	0.22	-0.35	7.14
	71	-5844.7	667.1	-415.2	-0.22	-1.11	4.29
55	106	1647.5	9295.5	480.6	-0.23	-0.53	11.01
	71	-3067.7	-927.0	-480.6	0.23	-1.07	5.74
56	106	-2325.2	9961.7	302.9	-0.36	-0.42	12.31
	71	905.0	-1593.2	-302.9	0.36	-0.54	6.64
57	106	-10410.3	9222.2	-411.2	0.04	0.29	9.46
	71	8990.1	-853.7	411.2	-0.04	1.16	6.95
58	106	-8817.8	9922.3	-177.4	-0.21	0.02	11.48
	71	7397.7	-1553.8	177.4	0.21	0.67	7.29
1	149	181.1	-665.3	6.5	-0.01	-0.01	-0.59
	119	-281.8	1084.6	-6.5	0.01	-0.01	-0.85
2	149	785.5	-2717.3	9.7	-0.05	-0.01	-2.18

	119	-886.1	3136.7	-9.7	0.05	-0.01	-2.64
3	149	932.5	-3606.0	-44.7	-0.07	0.03	-3.12
	119	-1033.2	4025.3	44.7	0.07	0.04	-3.16
4	149	1123.5	-2595.4	-44.1	-0.06	0.03	-2.28
	119	-1224.1	3014.7	44.1	0.06	0.04	-2.34
5	149	1351.5	-1829.9	-32.6	-0.04	0.03	-1.66
	119	-1452.2	2249.3	32.6	0.04	0.02	-1.70
6	149	1199.7	-2586.7	-32.1	-0.05	0.03	-2.30
	119	-1300.3	3006.0	32.1	0.05	0.02	-2.30
7	149	190.1	-3858.0	51.2	-0.06	-0.05	-2.90
	119	-290.8	4277.4	-51.2	0.06	-0.03	-3.79
8	149	381.1	-2847.4	51.8	-0.05	-0.05	-2.06
	119	-481.7	3266.7	-51.8	0.05	-0.03	-2.97
9	149	609.1	-2082.0	63.3	-0.03	-0.05	-1.44
	119	-709.8	2501.3	-63.3	0.03	-0.06	-2.33
10	149	457.3	-2838.7	63.8	-0.04	-0.05	-2.08
	119	-557.9	3258.0	-63.8	0.04	-0.06	-2.94
11	149	480.9	-3256.4	-50.6	-0.07	0.03	-2.88
	119	-581.5	3675.7	50.6	0.07	0.05	-2.82
12	149	-261.5	-3508.5	45.3	-0.06	-0.05	-2.66
	119	160.9	3927.8	-45.3	0.06	-0.02	-3.45
13	149	799.2	-1572.0	-49.5	-0.04	0.03	-1.48
	119	-899.8	1991.3	49.5	0.04	0.05	-1.46
14	149	56.8	-1824.1	46.4	-0.03	-0.05	-1.26
	119	-157.4	2243.4	-46.4	0.03	-0.02	-2.09
15	149	1179.2	-296.3	-30.4	-0.02	0.03	-0.45
	119	-1279.8	715.6	30.4	0.02	0.02	-0.38
16	149	436.8	-548.4	65.5	-0.00	-0.05	-0.23
	119	-537.4	967.7	-65.5	0.00	-0.06	-1.02
17	149	926.1	-1557.5	-29.6	-0.04	0.04	-1.51
	119	-1026.8	1976.9	29.6	0.04	0.01	-1.40
18	149	183.7	-1809.6	66.3	-0.02	-0.04	-1.29
	119	-284.4	2228.9	-66.3	0.02	-0.06	-2.03
19	149	877.8	-2495.9	-78.3	-0.06	0.06	-2.40
	119	-978.4	2915.3	78.3	0.06	0.07	-2.05
20	149	-359.5	-2916.0	81.5	-0.04	-0.08	-2.04
	119	258.9	3335.4	-81.5	0.04	-0.06	-3.11
21	149	1068.8	-1485.3	-77.6	-0.04	0.06	-1.56
	119	-1169.4	1904.6	77.6	0.04	0.07	-1.23
22	149	-168.6	-1905.4	82.2	-0.02	-0.08	-1.19
	119	67.9	2324.7	-82.2	0.02	-0.06	-2.29
23	149	1296.8	-719.9	-66.1	-0.03	0.06	-0.94
	119	-1397.4	1139.2	66.1	0.03	0.05	-0.59
24	149	59.5	-1140.0	93.7	-0.01	-0.07	-0.58
	119	-160.1	1559.3	-93.7	0.01	-0.08	-1.65
25	149	1145.0	-1476.6	-65.7	-0.04	0.06	-1.58
	119	-1245.6	1895.9	65.7	0.04	0.05	-1.20
26	149	-92.4	-1896.7	94.1	-0.02	-0.07	-1.21
	119	-8.3	2316.0	-94.1	0.02	-0.08	-2.25
27	149	1077.1	-1941.4	-5.0	-0.03	-0.03	-1.32
	119	-1154.5	2264.0	5.0	0.03	0.03	-2.14
28	149	960.6	-1976.4	-50.8	-0.03	-0.07	-1.27
	119	-1038.0	2299.0	50.8	0.03	0.15	-2.24
29	149	869.0	-1810.5	72.7	-0.03	0.06	-1.50
	119	-946.4	2133.1	-72.7	0.03	-0.18	-1.75
30	149	380.0	-1791.5	17.1	-0.04	0.01	-1.53

	119	-457.4	2114.1	-17.1	0.04	-0.03	-1.68
31	149	94.2	-1683.9	64.2	-0.04	0.06	-1.68
	119	-171.7	2006.5	-64.2	0.04	-0.16	-1.36
32	149	-22.3	-1718.9	18.4	-0.04	0.01	-1.63
	119	-55.1	2041.5	-18.4	0.04	-0.04	-1.46
33	149	480.6	-1927.1	-80.1	-0.04	-0.10	-1.35
	119	-558.0	2249.7	80.1	0.04	0.23	-2.09
34	149	185.8	-1849.8	-59.3	-0.04	-0.07	-1.45
	119	-263.2	2172.4	59.3	0.04	0.17	-1.85
35	149	325.9	-1146.1	5.6	-0.02	-0.01	-0.95
	119	-403.3	1468.7	-5.6	0.02	-0.00	-1.20
36	149	-25.0	-1138.6	0.3	-0.02	-0.01	-0.98
	119	-52.4	1461.1	-0.3	0.02	0.00	-1.16
37	149	102.3	-464.8	0.7	-0.01	-0.01	-0.41
	119	-179.8	787.4	-0.7	0.01	0.00	-0.62
38	149	254.3	45.5	8.4	-0.00	-0.00	-0.00
	119	-331.8	277.1	-8.4	0.00	-0.01	-0.19
39	149	153.1	-459.0	8.7	-0.01	-0.00	-0.43
	119	-230.5	781.6	-8.7	0.01	-0.01	-0.59
40	149	371.9	-378.1	-27.4	-0.01	0.02	-0.49
	119	-449.4	700.7	27.4	0.01	0.02	-0.40
41	149	-123.0	-546.1	36.6	-0.01	-0.03	-0.35
	119	45.6	868.7	-36.6	0.01	-0.03	-0.82
42	149	527.4	-1830.2	6.7	-0.03	-0.01	-1.48
	119	-604.8	2152.7	-6.7	0.03	-0.00	-1.80
43	149	1095.0	-1945.5	-4.2	-0.03	-0.03	-1.31
	119	-1172.4	2268.0	4.2	0.03	0.03	-2.15
44	149	976.9	-1982.3	-51.4	-0.03	-0.08	-1.26
	119	-1054.3	2304.8	51.4	0.03	0.16	-2.26
45	149	876.9	-1808.9	74.9	-0.03	0.07	-1.50
	119	-954.3	2131.5	-74.9	0.03	-0.19	-1.74
46	149	571.7	-1728.7	95.6	-0.03	0.09	-1.61
	119	-649.2	2051.3	-95.6	0.03	-0.25	-1.50
47	149	77.9	-1678.1	64.8	-0.04	0.07	-1.69
	119	-155.3	2000.6	-64.8	0.04	-0.17	-1.34
48	149	-40.2	-1714.9	17.6	-0.04	0.01	-1.64
	119	-37.2	2037.4	-17.6	0.04	-0.04	-1.45
49	149	483.1	-1931.6	-82.2	-0.04	-0.11	-1.34
	119	-560.5	2254.2	82.2	0.04	0.24	-2.10
50	149	177.9	-1851.4	-61.5	-0.04	-0.08	-1.45
	119	-255.3	2174.0	61.5	0.04	0.18	-1.86
51	149	586.3	-555.8	-4.0	-0.00	-0.02	-0.29
	119	-663.7	878.4	4.0	0.00	0.03	-0.89
52	149	489.9	-585.2	-41.9	-0.01	-0.06	-0.25
	119	-567.3	907.8	41.9	0.01	0.13	-0.98
53	149	409.2	-445.6	59.4	-0.01	0.05	-0.44
	119	-486.7	768.1	-59.4	0.01	-0.15	-0.56
54	149	161.1	-380.6	75.9	-0.01	0.08	-0.53
	119	-238.5	703.1	-75.9	0.01	-0.20	-0.36
55	149	-240.9	-339.0	51.1	-0.01	0.05	-0.59
	119	163.5	661.6	-51.1	0.01	-0.14	-0.23
56	149	-337.3	-368.5	13.2	-0.02	0.01	-0.55
	119	259.9	691.0	-13.2	0.02	-0.03	-0.32
57	149	87.9	-543.7	-66.8	-0.01	-0.08	-0.31
	119	-165.3	866.3	66.8	0.01	0.19	-0.85
58	149	-160.3	-478.7	-50.2	-0.02	-0.06	-0.40

	119	82.9	801.2	50.2	0.02	0.14	-0.65
1	179	-125.7	613.1	-5.8	-0.01	0.00	0.07
	149	25.1	-193.8	5.8	0.01	0.01	0.59
2	179	-269.1	1677.0	-10.6	-0.05	0.01	0.25
	149	168.5	-1257.6	10.6	0.05	0.01	2.16
3	179	-122.1	2370.1	31.0	-0.07	-0.02	0.45
	149	21.5	-1950.8	-31.0	0.07	-0.03	3.10
4	179	68.9	1799.0	29.6	-0.06	-0.02	0.35
	149	-169.5	-1379.6	-29.6	0.06	-0.03	2.26
5	179	296.9	1378.0	45.9	-0.04	-0.04	0.27
	149	-397.5	-958.7	-45.9	0.04	-0.03	1.65
6	179	145.0	1807.7	48.4	-0.05	-0.05	0.35
	149	-245.7	-1388.3	-48.4	0.05	-0.03	2.28
7	179	-864.5	2118.0	-71.1	-0.06	0.07	0.25
	149	763.9	-1698.7	71.1	0.06	0.05	2.89
8	179	-673.5	1546.9	-72.5	-0.05	0.07	0.15
	149	572.9	-1127.6	72.5	0.05	0.05	2.05
9	179	-445.5	1126.0	-56.2	-0.03	0.04	0.08
	149	344.9	-706.7	56.2	0.03	0.05	1.43
10	179	-597.3	1555.6	-53.6	-0.04	0.04	0.15
	149	496.7	-1136.3	53.6	0.04	0.05	2.07
11	179	-199.9	2216.2	27.1	-0.07	-0.01	0.44
	149	99.2	-1796.9	-27.1	0.07	-0.03	2.87
12	179	-942.3	1964.2	-75.0	-0.06	0.07	0.24
	149	841.6	-1544.9	75.0	0.06	0.05	2.65
13	179	118.4	1264.4	24.8	-0.04	-0.01	0.27
	149	-219.1	-845.0	-24.8	0.04	-0.03	1.47
14	179	-623.9	1012.3	-77.3	-0.03	0.07	0.07
	149	523.3	-593.0	77.3	0.03	0.05	1.25
15	179	498.5	562.8	52.0	-0.02	-0.05	0.14
	149	-599.1	-143.5	-52.0	0.02	-0.03	0.44
16	179	-243.9	310.8	-50.1	-0.00	0.04	-0.06
	149	143.3	108.5	50.1	0.00	0.05	0.23
17	179	245.4	1278.8	56.2	-0.04	-0.06	0.26
	149	-346.1	-859.5	-56.2	0.04	-0.04	1.50
18	179	-497.0	1026.8	-45.9	-0.02	0.03	0.06
	149	396.3	-607.5	45.9	0.02	0.04	1.29
19	179	197.1	1922.2	67.4	-0.06	-0.05	0.43
	149	-297.7	-1502.9	-67.4	0.06	-0.06	2.38
20	179	-1040.3	1502.1	-102.7	-0.04	0.09	0.10
	149	939.6	-1082.8	102.7	0.04	0.08	2.03
21	179	388.0	1351.1	66.0	-0.04	-0.05	0.33
	149	-488.7	-931.7	-66.0	0.04	-0.06	1.55
22	179	-849.3	931.0	-104.1	-0.02	0.09	-0.00
	149	748.6	-511.6	104.1	0.02	0.08	1.19
23	179	616.1	930.2	82.3	-0.03	-0.08	0.25
	149	-716.7	-510.8	-82.3	0.03	-0.06	0.93
24	179	-621.3	510.1	-87.8	-0.01	0.07	-0.08
	149	520.6	-90.7	87.8	0.01	0.07	0.57
25	179	464.2	1359.8	84.9	-0.04	-0.08	0.33
	149	-564.9	-940.4	-84.9	0.04	-0.06	1.57
26	179	-773.1	939.7	-85.2	-0.02	0.07	-0.01
	149	672.5	-520.3	85.2	0.02	0.07	1.21
27	179	86.0	970.2	-63.1	-0.03	0.08	0.02
	149	-163.5	-647.6	63.1	0.03	0.03	1.31

	179	14.9	912.1	-213.5	-0.03	0.28	-0.03
	149	-92.3	-589.6	213.5	0.03	0.07	1.27
29	179	0.9	1189.3	203.6	-0.03	-0.27	0.21
	149	-78.4	-866.8	-203.6	0.03	-0.06	1.49
30	179	-261.7	1222.3	31.2	-0.04	-0.04	0.22
	149	184.3	-899.8	-31.2	0.04	-0.01	1.52
31	179	-394.2	1402.8	197.7	-0.04	-0.26	0.37
	149	316.8	-1080.2	-197.7	0.04	-0.06	1.67
32	179	-465.3	1344.7	47.3	-0.04	-0.07	0.32
	149	387.9	-1022.2	-47.3	0.04	-0.01	1.62
33	179	-236.1	995.8	-297.7	-0.04	0.39	0.03
	149	158.7	-673.2	297.7	0.04	0.10	1.34
34	179	-380.2	1125.6	-219.4	-0.04	0.29	0.14
	149	302.8	-803.0	219.4	0.04	0.07	1.45
35	179	-141.8	802.9	-6.3	-0.02	0.01	0.11
	149	64.4	-480.3	6.3	0.02	0.01	0.94
36	179	-243.5	826.3	-11.0	-0.02	0.01	0.12
	149	166.1	-503.8	11.0	0.02	0.01	0.97
37	179	-116.1	445.6	-11.9	-0.01	0.01	0.06
	149	38.7	-123.0	11.9	0.01	0.01	0.41
38	179	35.9	164.9	-1.0	-0.00	-0.00	0.00
	149	-113.3	157.6	1.0	0.00	0.00	0.00
39	179	-65.4	451.4	0.7	-0.01	-0.00	0.05
	149	-12.1	-128.8	-0.7	0.01	0.00	0.42
40	179	153.4	532.3	29.3	-0.01	-0.03	0.12
	149	-230.9	-209.7	-29.3	0.01	-0.02	0.49
41	179	-341.5	364.2	-38.7	-0.01	0.03	-0.01
	149	264.1	-41.7	38.7	0.01	0.03	0.35
42	179	-189.6	1157.5	-7.9	-0.03	0.01	0.17
	149	112.2	-834.9	7.9	0.03	0.01	1.47
43	179	94.1	963.3	-65.7	-0.03	0.08	0.02
	149	-171.6	-640.8	65.7	0.03	0.03	1.30
44	179	22.4	902.3	-222.9	-0.03	0.29	-0.04
	149	-99.8	-579.8	222.9	0.03	0.08	1.26
45	179	4.3	1191.7	213.2	-0.03	-0.29	0.21
	149	-81.7	-869.2	-213.2	0.03	-0.07	1.49
46	179	-144.4	1326.5	295.0	-0.03	-0.39	0.32
	149	67.0	-1004.0	-295.0	0.03	-0.09	1.60
47	179	-401.7	1412.6	207.0	-0.04	-0.28	0.38
	149	324.3	-1090.0	-207.0	0.04	-0.07	1.68
48	179	-473.4	1351.6	49.9	-0.04	-0.07	0.33
	149	396.0	-1029.0	-49.9	0.04	-0.01	1.63
49	179	-234.8	988.4	-310.8	-0.04	0.41	0.03
	149	157.4	-665.8	310.8	0.04	0.11	1.33
50	179	-383.6	1123.2	-229.0	-0.04	0.30	0.14
	149	306.2	-800.6	229.0	0.04	0.08	1.45
51	179	137.4	290.5	-50.6	-0.00	0.06	-0.07
	149	-214.8	32.0	50.6	0.00	0.02	0.28
52	179	78.6	241.7	-176.6	-0.01	0.23	-0.12
	149	-156.0	80.9	176.6	0.01	0.06	0.25
53	179	64.6	475.0	172.7	-0.01	-0.23	0.08
	149	-142.0	-152.4	-172.7	0.01	-0.05	0.43
54	179	-56.6	584.3	238.0	-0.01	-0.32	0.17
	149	-20.8	-261.7	-238.0	0.01	-0.08	0.52
55	179	-266.6	654.8	167.2	-0.01	-0.22	0.23
	149	189.2	-332.2	-167.2	0.01	-0.05	0.59

	179	-325.4	606.0	41.2	-0.02	-0.06	0.18
	149	248.0	-283.4	-41.2	0.02	-0.01	0.55
57	179	-131.4	312.2	-247.4	-0.01	0.32	-0.06
	149	54.0	10.3	247.4	0.01	0.08	0.31
58	179	-252.6	421.5	-182.1	-0.02	0.24	0.03
	149	175.2	-99.0	182.1	0.02	0.06	0.40
1	136	186.3	-637.8	-19.0	0.01	0.00	-0.61
	107	-287.0	1057.1	19.0	-0.01	0.03	-0.78
2	136	796.5	-2672.6	-34.0	0.04	0.01	-2.22
	107	-897.1	3092.0	34.0	-0.04	0.05	-2.53
3	136	1199.2	-2624.1	-18.5	0.05	-0.04	-2.22
	107	-1299.8	3043.4	18.5	-0.05	0.07	-2.44
4	136	992.9	-3619.6	-16.6	0.06	-0.04	-3.08
	107	-1093.6	4039.0	16.6	-0.06	0.06	-3.23
5	136	1238.7	-2599.8	-16.9	0.05	-0.04	-2.26
	107	-1339.3	3019.1	16.9	-0.05	0.07	-2.36
6	136	1446.9	-1854.7	-20.2	0.04	-0.03	-1.62
	107	-1547.5	2274.0	20.2	-0.04	0.07	-1.78
7	136	350.0	-2748.4	-51.4	0.04	0.05	-2.17
	107	-450.7	3167.7	51.4	-0.04	0.03	-2.70
8	136	143.8	-3743.9	-49.4	0.05	0.05	-3.02
	107	-244.4	4163.2	49.4	-0.05	0.03	-3.49
9	136	389.5	-2724.1	-49.7	0.04	0.05	-2.20
	107	-490.2	3143.4	49.7	-0.04	0.03	-2.63
10	136	597.7	-1978.9	-53.1	0.03	0.05	-1.56
	107	-698.3	2398.3	53.1	-0.03	0.04	-2.04
11	136	879.5	-1615.7	-11.7	0.03	-0.04	-1.41
	107	-980.2	2035.0	11.7	-0.03	0.06	-1.59
12	136	30.4	-1740.0	-44.5	0.03	0.05	-1.35
	107	-131.0	2159.3	44.5	-0.03	0.02	-1.85
13	136	535.8	-3275.0	-8.5	0.06	-0.04	-2.83
	107	-636.4	3694.3	8.5	-0.06	0.05	-2.90
14	136	-313.4	-3399.2	-41.3	0.05	0.05	-2.77
	107	212.8	3818.6	41.3	-0.05	0.02	-3.17
15	136	945.4	-1575.3	-9.0	0.03	-0.04	-1.47
	107	-1046.0	1994.6	9.0	-0.03	0.05	-1.47
16	136	96.2	-1699.5	-41.8	0.02	0.05	-1.41
	107	-196.9	2118.9	41.8	-0.02	0.02	-1.73
17	136	1292.3	-333.3	-14.5	0.01	-0.03	-0.40
	107	-1393.0	752.7	14.5	-0.01	0.06	-0.49
18	136	443.2	-457.6	-47.4	0.00	0.05	-0.34
	107	-543.8	876.9	47.4	-0.00	0.03	-0.76
19	136	1177.2	-1565.2	-0.1	0.04	-0.07	-1.44
	107	-1277.8	1984.6	0.1	-0.04	0.07	-1.48
20	136	-238.1	-1772.3	-54.8	0.02	0.08	-1.35
	107	137.4	2191.7	54.8	-0.02	0.01	-1.91
21	136	970.9	-2560.8	1.8	0.05	-0.07	-2.29
	107	-1071.5	2980.1	-1.8	-0.05	0.06	-2.26
22	136	-444.4	-2767.9	-52.9	0.04	0.08	-2.20
	107	343.7	3187.2	52.9	-0.04	0.01	-2.70
23	136	1216.7	-1541.0	1.5	0.03	-0.07	-1.48
	107	-1317.3	1960.3	-1.5	-0.03	0.07	-1.40
24	136	-198.6	-1748.1	-53.2	0.02	0.08	-1.38
	107	97.9	2167.4	53.2	-0.02	0.01	-1.84
25	136	1424.8	-795.8	-1.8	0.02	-0.06	-0.84

	107	-1525.5	1215.1	1.8	-0.02	0.07	-0.82
26	136	9.6	-1002.9	-56.5	0.01	0.08	-0.74
	107	-110.2	1422.2	56.5	-0.01	0.01	-1.25
27	136	883.3	-1775.8	-42.2	0.02	-0.03	-1.54
	107	-960.7	2098.4	42.2	-0.02	0.10	-1.64
28	136	582.5	-1722.6	-78.1	0.02	-0.07	-1.60
	107	-659.9	2045.1	78.1	-0.02	0.20	-1.50
29	136	1096.2	-1872.4	25.2	0.02	0.06	-1.43
	107	-1173.6	2195.0	-25.2	-0.02	-0.10	-1.91
30	136	476.4	-1813.2	-13.0	0.03	0.02	-1.48
	107	-553.8	2135.8	13.0	-0.03	0.00	-1.77
31	136	488.7	-1874.3	30.4	0.03	0.08	-1.41
	107	-566.1	2196.9	-30.4	-0.03	-0.13	-1.94
32	136	187.9	-1821.1	-5.5	0.04	0.04	-1.46
	107	-265.3	2143.6	5.5	-0.04	-0.03	-1.80
33	136	93.5	-1694.9	-94.6	0.03	-0.09	-1.61
	107	-170.9	2017.5	94.6	-0.03	0.24	-1.44
34	136	-24.9	-1724.4	-72.8	0.03	-0.05	-1.57
	107	-52.5	2047.0	72.8	-0.03	0.17	-1.53
35	136	332.2	-1120.2	-18.9	0.02	0.00	-0.97
	107	-409.7	1442.7	18.9	-0.02	0.03	-1.14
36	136	114.3	-450.9	-14.5	0.01	0.00	-0.42
	107	-191.7	773.5	14.5	-0.01	0.02	-0.58
37	136	-23.2	-1114.6	-13.2	0.02	0.00	-0.99
	107	-54.2	1437.2	13.2	-0.02	0.02	-1.11
38	136	140.6	-434.7	-13.4	0.01	0.00	-0.45
	107	-218.0	757.3	13.4	-0.01	0.02	-0.53
39	136	279.4	62.0	-15.6	0.00	0.00	-0.02
	107	-356.8	260.5	15.6	-0.00	0.02	-0.15
40	136	411.9	-400.4	-2.9	0.01	-0.03	-0.45
	107	-489.3	723.0	2.9	-0.01	0.03	-0.47
41	136	-154.2	-483.3	-24.8	0.01	0.03	-0.42
	107	76.8	805.8	24.8	-0.01	0.01	-0.64
42	136	535.6	-1798.4	-23.8	0.03	0.00	-1.50
	107	-613.0	2121.0	23.8	-0.03	0.03	-1.72
43	136	895.8	-1774.5	-42.0	0.02	-0.03	-1.55
	107	-973.2	2097.1	42.0	-0.02	0.10	-1.64
44	136	581.5	-1718.4	-78.6	0.02	-0.08	-1.60
	107	-658.9	2041.0	78.6	-0.02	0.21	-1.49
45	136	1120.3	-1876.3	26.3	0.02	0.07	-1.43
	107	-1197.7	2198.9	-26.3	-0.02	-0.11	-1.92
46	136	998.5	-1907.5	48.2	0.03	0.10	-1.39
	107	-1075.9	2230.1	-48.2	-0.03	-0.18	-2.02
47	136	489.7	-1878.5	30.9	0.03	0.09	-1.40
	107	-567.1	2201.0	-30.9	-0.03	-0.14	-1.95
48	136	175.5	-1822.4	-5.7	0.04	0.04	-1.46
	107	-252.9	2145.0	5.7	-0.04	-0.03	-1.80
49	136	72.8	-1689.4	-95.9	0.03	-0.09	-1.62
	107	-150.2	2011.9	95.9	-0.03	0.25	-1.43
50	136	-49.0	-1720.6	-74.0	0.03	-0.06	-1.58
	107	-28.4	2043.1	74.0	-0.03	0.18	-1.52
51	136	420.7	-422.8	-28.4	0.00	-0.03	-0.47
	107	-498.1	745.3	28.4	-0.00	0.07	-0.49
52	136	167.5	-377.8	-57.7	0.01	-0.06	-0.52
	107	-244.9	700.4	57.7	-0.01	0.16	-0.37
53	136	600.3	-504.3	26.4	0.01	0.05	-0.38

	107	-677.7	826.9	-26.4	-0.01	-0.10	-0.72
54	136	501.2	-529.2	43.9	0.01	0.08	-0.34
	107	-578.6	851.8	-43.9	-0.01	-0.15	-0.79
55	136	90.2	-505.9	30.0	0.01	0.07	-0.36
	107	-167.6	828.4	-30.0	-0.01	-0.12	-0.74
56	136	-162.9	-460.9	0.6	0.02	0.03	-0.40
	107	85.5	783.5	-0.6	-0.02	-0.03	-0.62
57	136	-243.5	-354.5	-71.6	0.01	-0.08	-0.53
	107	166.0	677.1	71.6	-0.01	0.19	-0.32
58	136	-342.6	-379.4	-54.1	0.01	-0.05	-0.49
	107	265.2	702.0	54.1	-0.01	0.14	-0.40
1	137	224.3	-641.1	1.0	-0.01	-0.00	-0.62
	108	-324.9	1060.4	-1.0	0.01	-0.00	-0.78
2	137	841.8	-2666.6	3.9	-0.04	-0.00	-2.23
	108	-942.5	3086.0	-3.9	0.04	-0.01	-2.51
3	137	209.3	-2601.5	-31.3	-0.04	-0.01	-2.28
	108	-309.9	3020.8	31.3	0.04	0.06	-2.35
4	137	-13.9	-3607.1	-43.5	-0.06	-0.01	-3.12
	108	-86.8	4026.5	43.5	0.06	0.08	-3.16
5	137	190.3	-2586.0	-32.1	-0.04	-0.01	-2.29
	108	-290.9	3005.3	32.1	0.04	0.06	-2.31
6	137	367.4	-1833.8	-21.4	-0.03	-0.01	-1.66
	108	-468.0	2253.1	21.4	0.03	0.05	-1.71
7	137	1495.9	-2749.0	40.0	-0.04	0.01	-2.16
	108	-1596.5	3168.3	-40.0	0.04	-0.08	-2.71
8	137	1272.7	-3754.6	27.8	-0.05	0.01	-3.00
	108	-1373.4	4173.9	-27.8	0.05	-0.06	-3.52
9	137	1476.9	-2733.4	39.2	-0.04	0.01	-2.18
	108	-1577.6	3152.8	-39.2	0.04	-0.07	-2.67
10	137	1654.0	-1981.3	49.9	-0.03	0.01	-1.54
	108	-1754.7	2400.6	-49.9	0.03	-0.09	-2.07
11	137	-92.3	-1594.5	-32.6	-0.03	-0.01	-1.47
	108	-8.3	2013.8	32.6	0.03	0.06	-1.50
12	137	1194.3	-1741.9	38.7	-0.02	0.01	-1.35
	108	-1294.9	2161.3	-38.7	0.02	-0.08	-1.86
13	137	-464.2	-3270.5	-52.9	-0.05	-0.01	-2.87
	108	363.6	3689.8	52.9	0.05	0.10	-2.85
14	137	822.4	-3418.0	18.4	-0.05	0.01	-2.76
	108	-923.0	3837.3	-18.4	0.05	-0.04	-3.21
15	137	-123.9	-1568.6	-33.8	-0.03	-0.01	-1.50
	108	23.3	1987.9	33.8	0.03	0.07	-1.43
16	137	1162.7	-1716.0	37.5	-0.02	0.01	-1.38
	108	-1263.3	2135.4	-37.5	0.02	-0.07	-1.79
17	137	171.2	-315.0	-16.0	-0.01	-0.01	-0.43
	108	-271.9	734.3	16.0	0.01	0.04	-0.43
18	137	1457.8	-462.4	55.3	-0.00	0.01	-0.32
	108	-1558.5	881.8	-55.3	0.00	-0.10	-0.79
19	137	-528.4	-1539.6	-56.6	-0.03	-0.02	-1.51
	108	427.7	1958.9	56.6	0.03	0.11	-1.37
20	137	1616.0	-1785.4	62.2	-0.02	0.02	-1.32
	108	-1716.6	2204.7	-62.2	0.02	-0.12	-1.97
21	137	-751.5	-2545.2	-68.8	-0.05	-0.02	-2.36
	108	650.9	2964.5	68.8	0.05	0.13	-2.18
22	137	1392.8	-2791.0	50.1	-0.04	0.02	-2.16
	108	-1493.5	3210.3	-50.1	0.04	-0.10	-2.78

	137	-547.3	-1524.0	-57.3	-0.03	-0.02	-1.53
	108	446.7	1943.4	57.3	0.03	0.11	-1.32
24	137	1597.0	-1769.8	61.5	-0.02	0.02	-1.34
	108	-1697.7	2189.1	-61.5	0.02	-0.12	-1.92
25	137	-370.2	-771.9	-46.6	-0.02	-0.02	-0.89
	108	269.6	1191.2	46.6	0.02	0.10	-0.72
26	137	1774.1	-1017.7	72.2	-0.01	0.02	-0.70
	108	-1874.8	1437.0	-72.2	0.01	-0.14	-1.32
27	137	708.3	-1765.5	-10.0	-0.03	-0.03	-1.53
	108	-785.8	2088.1	10.0	0.03	0.04	-1.64
28	137	601.8	-1739.5	-69.6	-0.02	-0.07	-1.60
	108	-679.2	2062.0	69.6	0.02	0.18	-1.53
29	137	772.4	-1825.4	89.7	-0.03	0.05	-1.41
	108	-849.8	2147.9	-89.7	0.03	-0.20	-1.86
30	137	543.3	-1807.3	16.1	-0.03	0.02	-1.50
	108	-620.7	2129.8	-16.1	0.03	-0.04	-1.74
31	137	536.3	-1849.8	76.0	-0.03	0.07	-1.42
	108	-613.7	2172.4	-76.0	0.03	-0.19	-1.88
32	137	429.8	-1823.8	16.3	-0.03	0.03	-1.50
	108	-507.2	2146.3	-16.3	0.03	-0.06	-1.77
33	137	417.3	-1738.6	-109.1	-0.02	-0.08	-1.65
	108	-494.7	2061.1	109.1	0.02	0.26	-1.48
34	137	365.7	-1763.9	-83.3	-0.02	-0.05	-1.61
	108	-443.1	2086.4	83.3	0.02	0.19	-1.55
35	137	363.2	-1119.4	2.2	-0.02	-0.00	-0.98
	108	-440.6	1442.0	-2.2	0.02	-0.00	-1.13
36	137	164.5	-450.0	1.5	-0.01	0.00	-0.44
	108	-242.0	772.5	-1.5	0.01	-0.00	-0.57
37	137	15.8	-1120.4	-6.7	-0.02	0.00	-1.00
	108	-93.2	1443.0	6.7	0.02	0.01	-1.11
38	137	151.9	-439.6	1.0	-0.01	-0.00	-0.45
	108	-229.3	762.2	-1.0	0.01	-0.00	-0.54
39	137	270.0	61.8	8.1	0.00	-0.00	-0.02
	108	-347.4	260.7	-8.1	-0.00	-0.01	-0.14
40	137	-271.5	-395.1	-22.6	-0.01	-0.01	-0.48
	108	194.1	717.6	22.6	0.01	0.04	-0.43
41	137	586.3	-493.4	25.0	-0.01	0.01	-0.40
	108	-663.7	816.0	-25.0	0.01	-0.05	-0.67
42	137	569.1	-1794.6	3.2	-0.03	-0.00	-1.51
	108	-646.5	2117.2	-3.2	0.03	-0.01	-1.71
43	137	707.6	-1764.3	-9.7	-0.03	-0.04	-1.53
	108	-785.0	2086.8	9.7	0.03	0.05	-1.64
44	137	601.7	-1736.8	-71.7	-0.02	-0.08	-1.60
	108	-679.2	2059.3	71.7	0.02	0.19	-1.52
45	137	771.2	-1827.2	93.2	-0.03	0.05	-1.41
	108	-848.6	2149.8	-93.2	0.03	-0.21	-1.87
46	137	719.8	-1853.7	119.5	-0.03	0.09	-1.37
	108	-797.3	2176.2	-119.5	0.03	-0.28	-1.94
47	137	536.4	-1852.5	78.0	-0.03	0.08	-1.42
	108	-613.8	2175.0	-78.0	0.03	-0.20	-1.89
48	137	430.5	-1825.0	16.1	-0.03	0.04	-1.49
	108	-507.9	2147.6	-16.1	0.03	-0.06	-1.77
49	137	418.3	-1735.6	-113.2	-0.02	-0.09	-1.65
	108	-495.7	2058.1	113.2	0.02	0.27	-1.47
50	137	366.9	-1762.1	-86.8	-0.02	-0.05	-1.62
	108	-444.3	2084.6	86.8	0.02	0.20	-1.55

	137	270.4	-419.7	-9.0	-0.01	-0.03	-0.46
	108	-347.8	742.3	9.0	0.01	0.04	-0.50
52	137	184.6	-397.8	-58.7	-0.01	-0.06	-0.52
	108	-262.1	720.3	58.7	0.01	0.15	-0.41
53	137	321.4	-470.2	73.6	-0.01	0.04	-0.36
	108	-398.8	792.7	-73.6	0.01	-0.16	-0.68
54	137	279.3	-491.5	94.6	-0.01	0.07	-0.33
	108	-356.7	814.0	-94.6	0.01	-0.22	-0.74
55	137	130.1	-490.7	61.1	-0.01	0.06	-0.37
	108	-207.5	813.3	-61.1	0.01	-0.16	-0.70
56	137	44.3	-468.8	11.4	-0.01	0.03	-0.43
	108	-121.8	791.3	-11.4	0.01	-0.04	-0.61
57	137	35.5	-397.0	-92.1	-0.00	-0.07	-0.56
	108	-112.9	719.6	92.1	0.00	0.22	-0.37
58	137	-6.6	-418.3	-71.1	-0.01	-0.04	-0.53
	108	-70.8	740.9	71.1	0.01	0.16	-0.43
1	167	-82.5	637.4	-0.8	-0.01	0.00	0.08
	137	-18.1	-218.0	0.8	0.01	0.00	0.62
2	167	-212.8	1727.7	2.5	-0.04	-0.00	0.28
	137	112.2	-1308.4	-2.5	0.04	0.00	2.21
3	167	-845.4	1792.8	-13.9	-0.04	0.01	0.34
	137	744.7	-1373.5	13.9	0.04	0.01	2.26
4	167	-1068.5	2368.9	-24.9	-0.06	0.03	0.45
	137	967.9	-1949.6	24.9	0.06	0.01	3.10
5	167	-864.3	1808.3	-17.9	-0.04	0.02	0.35
	137	763.7	-1389.0	17.9	0.04	0.01	2.28
6	167	-687.2	1374.2	-8.7	-0.03	0.00	0.27
	137	586.6	-954.8	8.7	0.03	0.01	1.65
7	167	441.2	1645.3	22.6	-0.04	-0.03	0.22
	137	-541.9	-1226.0	-22.6	0.04	-0.01	2.15
8	167	218.1	2221.5	11.7	-0.05	-0.01	0.32
	137	-318.7	-1802.1	-11.7	0.05	-0.01	2.99
9	167	422.3	1660.9	18.7	-0.04	-0.02	0.22
	137	-522.9	-1241.5	-18.7	0.04	-0.01	2.17
10	167	599.4	1226.7	27.9	-0.03	-0.04	0.14
	137	-700.0	-807.4	-27.9	0.03	-0.01	1.53
11	167	-773.1	1241.9	-14.3	-0.03	0.01	0.24
	137	672.4	-822.6	14.3	0.03	0.01	1.46
12	167	513.6	1094.4	22.3	-0.02	-0.02	0.11
	137	-614.2	-675.1	-22.3	0.02	-0.01	1.34
13	167	-1145.0	2202.1	-32.6	-0.05	0.04	0.42
	137	1044.3	-1782.8	32.6	0.05	0.01	2.86
14	167	141.7	2054.7	4.0	-0.05	0.01	0.29
	137	-242.3	-1635.3	-4.0	0.05	-0.01	2.74
15	167	-804.7	1267.8	-20.9	-0.03	0.02	0.25
	137	704.0	-848.5	20.9	0.03	0.01	1.49
16	167	482.0	1120.3	15.6	-0.02	-0.02	0.13
	137	-582.6	-701.0	-15.6	0.02	-0.01	1.37
17	167	-509.5	544.2	-5.6	-0.01	-0.00	0.12
	137	408.9	-124.9	5.6	0.01	0.01	0.43
18	167	777.1	396.7	31.0	-0.00	-0.04	-0.01
	137	-877.7	22.6	-31.0	0.00	-0.01	0.32
19	167	-1209.1	1296.8	-27.7	-0.03	0.03	0.29
	137	1108.5	-877.5	27.7	0.03	0.02	1.50
20	167	935.3	1051.0	33.2	-0.02	-0.04	0.07

	137	-1035.9	-631.7	-33.2	0.02	-0.02	1.31
21	167	-1432.3	1872.9	-38.7	-0.05	0.05	0.40
	137	1331.6	-1453.6	38.7	0.05	0.02	2.34
22	167	712.1	1627.2	22.2	-0.04	-0.02	0.18
	137	-812.8	-1207.8	-22.2	0.04	-0.02	2.15
23	167	-1228.1	1312.3	-31.7	-0.03	0.03	0.29
	137	1127.4	-893.0	31.7	0.03	0.02	1.52
24	167	916.3	1066.6	29.2	-0.02	-0.03	0.08
	137	-1017.0	-647.2	-29.2	0.02	-0.02	1.33
25	167	-1051.0	878.2	-22.5	-0.02	0.02	0.21
	137	950.3	-458.8	22.5	0.02	0.02	0.89
26	167	1093.4	632.4	38.4	-0.01	-0.05	0.00
	137	-1194.0	-213.1	-38.4	0.01	-0.02	0.70
27	167	-65.3	1213.5	-85.1	-0.03	0.11	0.21
	137	-12.2	-890.9	85.1	0.03	0.03	1.52
28	167	-120.1	1278.4	-235.0	-0.02	0.31	0.25
	137	42.7	-955.8	235.0	0.02	0.07	1.59
29	167	-40.0	1100.7	203.4	-0.03	-0.28	0.14
	137	-37.4	-778.2	-203.4	0.03	-0.05	1.40
30	167	-164.6	1177.1	50.9	-0.03	-0.07	0.18
	137	87.1	-854.6	-50.9	0.03	-0.02	1.49
31	167	-175.8	1107.6	239.5	-0.03	-0.32	0.14
	137	98.4	-785.0	-239.5	0.03	-0.07	1.41
32	167	-230.7	1172.5	89.6	-0.03	-0.11	0.18
	137	153.3	-849.9	-89.6	0.03	-0.03	1.48
33	167	-222.8	1317.1	-296.3	-0.02	0.40	0.27
	137	145.4	-994.5	296.3	0.02	0.08	1.64
34	167	-255.9	1285.3	-198.9	-0.02	0.28	0.25
	137	178.5	-962.7	198.9	0.02	0.05	1.60
35	167	-104.5	829.6	1.2	-0.02	-0.00	0.13
	137	27.1	-507.0	-1.2	0.02	0.00	0.97
36	167	-53.9	460.4	1.3	-0.01	-0.00	0.06
	137	-23.5	-137.8	-1.3	0.01	-0.00	0.43
37	167	-202.7	844.5	-6.0	-0.02	0.01	0.13
	137	125.3	-521.9	6.0	0.02	-0.00	0.99
38	167	-66.6	470.7	-1.3	-0.01	0.00	0.06
	137	-10.8	-148.2	1.3	0.01	0.00	0.45
39	167	51.5	181.3	4.8	0.00	-0.01	0.01
	137	-128.9	141.3	-4.8	-0.00	0.00	0.02
40	167	-490.0	515.3	-12.1	-0.01	0.01	0.10
	137	412.6	-192.7	12.1	0.01	0.01	0.48
41	167	367.8	417.0	12.3	-0.01	-0.01	0.02
	137	-445.2	-94.4	-12.3	0.01	-0.01	0.40
42	167	-148.0	1193.0	2.3	-0.03	-0.00	0.19
	137	70.6	-870.4	-2.3	0.03	0.00	1.50
43	167	-66.1	1214.9	-89.1	-0.03	0.11	0.21
	137	-11.4	-892.4	89.1	0.03	0.04	1.52
44	167	-119.1	1283.1	-245.9	-0.02	0.33	0.25
	137	41.6	-960.5	245.9	0.02	0.08	1.60
45	167	-43.0	1096.2	212.6	-0.03	-0.30	0.14
	137	-34.4	-773.7	-212.6	0.03	-0.05	1.40
46	167	-76.3	1062.6	314.5	-0.03	-0.43	0.12
	137	-1.2	-740.1	-314.5	0.03	-0.09	1.36
47	167	-176.9	1102.9	250.5	-0.03	-0.34	0.14
	137	99.5	-780.4	-250.5	0.03	-0.08	1.41
48	167	-229.9	1171.1	93.7	-0.03	-0.12	0.18

	137	152.5	-848.5	-93.7	0.03	-0.04	1.48
49	167	-219.7	1323.4	-310.0	-0.02	0.42	0.27
	137	142.3	-1000.8	310.0	0.02	0.09	1.64
50	167	-252.9	1289.8	-208.1	-0.02	0.29	0.25
	137	175.5	-967.2	208.1	0.02	0.05	1.61
51	167	4.8	483.5	-73.1	-0.01	0.09	0.07
	137	-82.2	-160.9	73.1	0.01	0.03	0.46
52	167	-37.9	538.1	-198.7	-0.01	0.26	0.11
	137	-39.5	-215.6	198.7	0.01	0.06	0.51
53	167	23.4	388.4	168.5	-0.01	-0.24	0.02
	137	-100.9	-65.9	-168.5	0.01	-0.04	0.36
54	167	-3.3	361.6	250.1	-0.01	-0.34	0.00
	137	-74.1	-39.1	-250.1	0.01	-0.07	0.33
55	167	-84.3	394.1	198.8	-0.01	-0.27	0.02
	137	6.9	-71.6	-198.8	0.01	-0.06	0.37
56	167	-127.0	448.8	73.3	-0.01	-0.09	0.05
	137	49.6	-126.2	-73.3	0.01	-0.03	0.42
57	167	-118.9	570.6	-250.0	-0.00	0.34	0.12
	137	41.5	-248.1	250.0	0.00	0.07	0.55
58	167	-145.7	543.8	-168.4	-0.01	0.23	0.10
	137	68.3	-221.3	168.4	0.01	0.04	0.52
1	166	-120.5	640.7	-10.3	0.01	0.02	0.10
	136	19.8	-221.3	10.3	-0.01	-0.00	0.61
2	166	-258.2	1721.7	-16.8	0.04	0.03	0.29
	136	157.5	-1302.4	16.8	-0.04	-0.01	2.20
3	166	144.5	1770.2	-101.7	0.05	0.13	0.36
	136	-245.2	-1350.9	101.7	-0.05	0.04	2.21
4	166	-61.7	2356.4	-102.9	0.06	0.13	0.48
	136	-38.9	-1937.1	102.9	-0.06	0.04	3.05
5	166	184.1	1794.5	-102.5	0.05	0.13	0.37
	136	-284.7	-1375.2	102.5	-0.05	0.04	2.24
6	166	392.2	1353.3	-95.2	0.04	0.12	0.28
	136	-492.9	-934.0	95.2	-0.04	0.03	1.60
7	166	-704.6	1646.0	68.2	0.04	-0.06	0.20
	136	604.0	-1226.6	-68.2	-0.04	-0.05	2.16
8	166	-910.9	2232.2	67.0	0.05	-0.06	0.32
	136	810.2	-1812.8	-67.0	-0.05	-0.05	3.01
9	166	-665.1	1670.2	67.4	0.04	-0.06	0.21
	136	564.5	-1250.9	-67.4	-0.04	-0.05	2.19
10	166	-456.9	1229.0	74.8	0.03	-0.07	0.12
	136	356.3	-809.7	-74.8	-0.03	-0.05	1.56
11	166	198.8	1220.7	-98.4	0.03	0.13	0.27
	136	-299.4	-801.3	98.4	-0.03	0.04	1.40
12	166	-650.3	1096.4	71.5	0.03	-0.07	0.11
	136	549.7	-677.1	-71.5	-0.03	-0.05	1.35
13	166	-145.0	2197.7	-100.4	0.06	0.13	0.46
	136	44.3	-1778.4	100.4	-0.06	0.04	2.81
14	166	-994.1	2073.4	69.5	0.05	-0.07	0.31
	136	893.5	-1654.1	-69.5	-0.05	-0.05	2.76
15	166	264.6	1261.1	-99.7	0.03	0.12	0.27
	136	-365.3	-841.8	99.7	-0.03	0.04	1.46
16	166	-584.5	1136.8	70.2	0.02	-0.07	0.12
	136	483.9	-717.5	-70.2	-0.02	-0.05	1.41
17	166	611.6	525.8	-87.5	0.01	0.11	0.13
	136	-712.2	-106.5	87.5	-0.01	0.03	0.39

	166	-237.6	401.6	82.4	0.00	-0.08	-0.03
	136	136.9	17.8	-82.4	-0.00	-0.05	0.34
19	166	496.4	1271.1	-155.1	0.04	0.19	0.32
	136	-597.1	-851.8	155.1	-0.04	0.07	1.43
20	166	-918.8	1064.0	128.1	0.02	-0.13	0.06
	136	818.2	-644.7	-128.1	-0.02	-0.08	1.35
21	166	290.2	1857.4	-156.3	0.05	0.19	0.44
	136	-390.8	-1438.0	156.3	-0.05	0.07	2.27
22	166	-1125.1	1650.3	126.9	0.04	-0.13	0.18
	136	1024.4	-1230.9	-126.9	-0.04	-0.08	2.19
23	166	535.9	1295.4	-155.9	0.03	0.19	0.33
	136	-636.6	-876.1	155.9	-0.03	0.07	1.46
24	166	-879.3	1088.3	127.4	0.02	-0.13	0.06
	136	778.7	-669.0	-127.4	-0.02	-0.08	1.38
25	166	744.1	854.2	-148.5	0.02	0.18	0.24
	136	-844.7	-434.9	148.5	-0.02	0.06	0.82
26	166	-671.1	647.1	134.7	0.01	-0.14	-0.02
	136	570.5	-227.8	-134.7	-0.01	-0.08	0.74
27	166	11.4	1222.2	-98.5	0.02	0.13	0.22
	136	-88.8	-899.6	98.5	-0.02	0.03	1.54
28	166	-143.8	1321.0	-236.6	0.02	0.32	0.33
	136	66.4	-998.5	236.6	-0.02	0.07	1.59
29	166	111.7	1049.1	171.9	0.02	-0.22	0.03
	136	-189.2	-726.6	-171.9	-0.02	-0.06	1.43
30	166	-216.0	1164.4	35.4	0.03	-0.04	0.17
	136	138.6	-841.9	-35.4	-0.03	-0.02	1.47
31	166	-219.0	1057.3	213.7	0.03	-0.27	0.07
	136	141.6	-734.8	-213.7	-0.03	-0.08	1.40
32	166	-374.2	1156.2	75.7	0.04	-0.09	0.18
	136	296.8	-833.6	-75.7	-0.04	-0.04	1.45
33	166	-405.4	1378.7	-288.4	0.03	0.39	0.40
	136	328.0	-1056.1	288.4	-0.03	0.09	1.60
34	166	-474.6	1329.2	-194.7	0.03	0.27	0.36
	136	397.1	-1006.7	194.7	-0.03	0.05	1.56
35	166	-135.5	828.8	-9.3	0.02	0.02	0.13
	136	58.1	-506.3	9.3	-0.02	-0.00	0.96
36	166	-104.2	459.5	-7.1	0.01	0.01	0.07
	136	26.8	-136.9	7.1	-0.01	-0.00	0.42
37	166	-241.7	850.3	-7.9	0.02	0.02	0.15
	136	164.3	-527.7	7.9	-0.02	-0.00	0.98
38	166	-77.9	475.6	-7.6	0.01	0.01	0.07
	136	0.5	-153.1	7.6	-0.01	-0.00	0.44
39	166	60.9	181.5	-2.7	0.00	0.01	0.02
	136	-138.3	141.0	2.7	-0.00	-0.00	0.02
40	166	193.4	509.9	-63.7	0.01	0.08	0.12
	136	-270.8	-187.4	63.7	-0.01	0.03	0.45
41	166	-372.7	427.1	49.5	0.01	-0.05	0.02
	136	295.3	-104.5	-49.5	-0.01	-0.03	0.42
42	166	-181.4	1189.2	-11.4	0.03	0.02	0.20
	136	104.0	-866.6	11.4	-0.03	-0.00	1.49
43	166	17.5	1224.3	-102.5	0.02	0.14	0.22
	136	-94.9	-901.8	102.5	-0.02	0.03	1.54
44	166	-144.4	1328.3	-246.8	0.02	0.33	0.33
	136	66.9	-1005.8	246.8	-0.02	0.08	1.59
45	166	123.7	1042.0	180.2	0.02	-0.23	0.03
	136	-201.1	-719.4	-180.2	-0.02	-0.07	1.42

	166	52.9	989.7	278.1	0.03	-0.36	-0.02
	136	-130.3	-667.2	-278.1	-0.03	-0.10	1.38
47	166	-218.5	1050.0	224.0	0.03	-0.28	0.06
	136	141.0	-727.5	-224.0	-0.03	-0.09	1.40
48	166	-380.3	1154.0	79.6	0.04	-0.09	0.18
	136	302.9	-831.5	-79.6	-0.04	-0.04	1.45
49	166	-415.7	1388.6	-301.0	0.03	0.40	0.42
	136	338.3	-1066.1	301.0	-0.03	0.09	1.61
50	166	-486.5	1336.4	-203.0	0.03	0.28	0.37
	136	409.1	-1013.8	203.0	-0.03	0.06	1.56
51	166	72.1	496.4	-80.1	0.00	0.11	0.09
	136	-149.5	-173.8	80.1	-0.00	0.03	0.47
52	166	-58.4	579.7	-195.7	0.01	0.26	0.18
	136	-19.0	-257.2	195.7	-0.01	0.06	0.51
53	166	156.8	350.4	146.3	0.01	-0.19	-0.06
	136	-234.2	-27.9	-146.3	-0.01	-0.05	0.38
54	166	98.9	308.7	224.8	0.01	-0.29	-0.10
	136	-176.3	13.9	-224.8	-0.01	-0.08	0.34
55	166	-120.8	357.3	181.5	0.01	-0.23	-0.04
	136	43.4	-34.7	-181.5	-0.01	-0.07	0.35
56	166	-251.3	440.7	65.9	0.02	-0.08	0.06
	136	173.9	-118.1	-65.9	-0.02	-0.03	0.40
57	166	-278.2	628.3	-238.9	0.01	0.32	0.25
	136	200.8	-305.8	238.9	-0.01	0.08	0.52
58	166	-336.0	586.6	-160.5	0.01	0.22	0.21
	136	258.6	-264.0	160.5	-0.01	0.05	0.49
1	134	101.9	-2055.0	-58.3	0.05	0.01	-3.13
	106	-1415.9	9798.3	58.3	-0.05	0.12	-10.32
2	134	928.6	-4168.6	-119.1	0.07	0.04	-5.11
	106	-2531.8	13615.4	119.1	-0.07	0.23	-14.49
3	134	26024.7	-2798.5	-452.9	0.97	0.33	-6.13
	106	-27627.9	12666.0	523.2	-0.97	0.76	-10.65
4	134	27535.4	-2636.6	-392.9	0.76	0.30	-6.05
	106	-29138.6	12504.1	322.5	-0.76	0.55	-10.36
5	134	21584.8	-2399.1	-350.2	0.69	0.31	-5.50
	106	-23188.0	11530.5	297.4	-0.69	0.45	-9.80
6	134	21103.2	-2519.1	-378.1	0.85	0.33	-5.59
	106	-22706.4	11650.5	430.9	-0.85	0.58	-9.99
7	134	-19255.4	-6022.6	94.9	-0.52	-0.23	-4.82
	106	17652.2	15890.2	-24.5	0.52	0.06	-19.37
8	134	-17744.7	-5860.8	154.9	-0.73	-0.26	-4.73
	106	16141.5	15728.3	-225.3	0.73	-0.15	-19.08
9	134	-23695.2	-5623.3	197.5	-0.81	-0.25	-4.19
	106	22092.0	14754.7	-250.3	0.81	-0.25	-18.52
10	134	-24176.9	-5743.3	169.6	-0.64	-0.22	-4.28
	106	22573.7	14874.7	-116.9	0.64	-0.12	-18.70
11	134	27248.7	-1903.0	-462.4	1.07	0.32	-5.38
	106	-28707.3	11199.2	579.7	-1.07	0.83	-8.91
12	134	-18031.4	-5127.2	85.4	-0.42	-0.23	-4.07
	106	16572.7	14423.4	31.9	0.42	0.13	-17.62
13	134	29766.5	-1633.3	-362.4	0.72	0.27	-5.24
	106	-31225.2	10929.4	245.1	-0.72	0.48	-8.43
14	134	-15513.5	-4857.4	185.4	-0.77	-0.29	-3.93
	106	14054.9	14153.6	-302.7	0.77	-0.22	-17.14
15	134	19848.9	-1237.5	-291.4	0.60	0.29	-4.33

	106	-21307.6	9306.7	203.4	-0.60	0.31	-7.50
16	134	-25431.1	-4461.6	256.4	-0.90	-0.27	-3.01
	106	23972.5	12530.9	-344.4	0.90	-0.39	-16.21
17	134	19046.2	-1437.5	-337.9	0.87	0.33	-4.48
	106	-20504.8	9506.7	425.9	-0.87	0.51	-7.80
18	134	-26233.9	-4661.7	209.9	-0.62	-0.23	-3.17
	106	24775.3	12730.9	-121.9	0.62	-0.19	-16.52
19	134	40704.7	-667.0	-605.1	1.46	0.50	-5.58
	106	-42163.3	9682.7	675.5	-1.46	0.94	-5.66
20	134	-34762.1	-6040.6	307.9	-1.03	-0.43	-3.39
	106	33303.5	15056.3	-237.5	1.03	-0.23	-20.18
21	134	42215.4	-505.1	-545.1	1.25	0.47	-5.50
	106	-43674.0	9520.8	474.7	-1.25	0.73	-5.37
22	134	-33251.4	-5878.7	367.9	-1.23	-0.46	-3.31
	106	31792.8	14894.5	-438.3	1.23	-0.44	-19.90
23	134	36264.8	-267.6	-502.5	1.18	0.48	-4.95
	106	-37723.5	8547.2	449.7	-1.18	0.63	-4.81
24	134	-39202.0	-5641.3	410.5	-1.31	-0.45	-2.76
	106	37743.3	13920.8	-463.3	1.31	-0.54	-19.34
25	134	35783.2	-387.6	-530.4	1.34	0.51	-5.04
	106	-37241.8	8667.2	583.2	-1.34	0.75	-5.00
26	134	-39683.6	-5761.3	382.6	-1.15	-0.42	-2.85
	106	38225.0	14040.9	-329.8	1.15	-0.41	-19.52
27	134	-15830.0	-5799.2	-294.9	-0.60	-0.37	-4.65
	106	14633.2	12851.3	294.9	0.60	1.00	-16.57
28	134	-9128.6	-4896.1	-799.9	-0.40	-1.01	-3.82
	106	7931.8	11948.2	799.9	0.40	2.76	-15.12
29	134	-14398.8	-5142.3	619.1	-0.45	0.87	-5.24
	106	13202.0	12194.4	-619.1	0.45	-2.26	-14.54
30	134	4698.4	-2171.0	55.8	0.21	0.24	-3.52
	106	-5895.2	9223.2	-55.8	-0.21	-0.35	-8.94
31	134	10597.1	-912.1	633.0	0.50	1.07	-3.56
	106	-11793.9	7964.2	-633.0	-0.50	-2.44	-5.95
32	134	17298.5	-9.0	128.0	0.70	0.43	-2.72
	106	-18495.3	7061.2	-128.0	-0.70	-0.67	-4.50
33	134	7939.2	-2132.0	-1064.3	0.22	-1.25	-2.46
	106	-9136.0	9184.2	1064.3	-0.22	3.62	-9.72
34	134	15867.4	-665.9	-785.9	0.55	-0.82	-2.14
	106	-17064.1	7718.1	785.9	-0.55	2.59	-6.53
35	134	458.7	-2199.6	-63.2	0.05	0.02	-3.03
	106	-1559.1	8683.9	63.2	-0.05	0.13	-9.15
36	134	1820.5	-1656.4	-82.9	0.15	0.02	-2.61
	106	-2824.5	7853.2	129.8	-0.15	0.21	-8.10
37	134	2827.6	-1548.5	-42.8	0.01	-0.01	-2.55
	106	-3831.7	7745.3	-4.1	-0.01	0.07	-7.91
38	134	-1139.4	-1390.2	-14.4	-0.04	0.00	-2.19
	106	135.4	7096.2	-20.8	0.04	0.00	-7.53
39	134	-1460.5	-1470.2	-33.0	0.07	0.02	-2.25
	106	456.5	7176.3	68.2	-0.07	0.08	-7.65
40	134	15276.5	-420.3	-225.5	0.54	0.20	-2.81
	106	-16280.5	6336.7	225.5	-0.54	0.32	-4.85
41	134	-14910.2	-2569.8	139.7	-0.46	-0.18	-1.93
	106	13906.2	8486.2	-139.7	0.46	-0.14	-10.66
42	134	734.3	-2904.1	-83.4	0.05	0.03	-3.69
	106	-1931.1	9956.2	83.4	-0.05	0.16	-10.54
43	134	-16299.4	-5884.6	-285.9	-0.61	-0.40	-4.69

	106	15102.6	12936.8	285.9	0.61	1.02	-16.76
44	134	-9387.8	-4958.6	-799.2	-0.41	-1.07	-3.82
	106	8191.0	12010.7	799.2	0.41	2.85	-15.28
45	134	-14858.4	-5202.8	634.4	-0.46	0.92	-5.31
	106	13661.6	12254.9	-634.4	0.46	-2.35	-14.64
46	134	-6711.7	-3692.3	909.9	-0.12	1.37	-4.97
	106	5514.9	10744.4	-909.9	0.12	-3.42	-11.35
47	134	10856.3	-849.6	632.4	0.51	1.12	-3.56
	106	-12053.1	7901.8	-632.4	-0.51	-2.52	-5.79
48	134	17767.9	76.5	119.1	0.71	0.45	-2.69
	106	-18964.7	6975.7	-119.1	-0.71	-0.69	-4.32
49	134	8180.2	-2115.9	-1076.7	0.22	-1.32	-2.41
	106	-9377.0	9168.1	1076.7	-0.22	3.74	-9.73
50	134	16327.0	-605.4	-801.2	0.56	-0.86	-2.07
	106	-17523.7	7657.5	801.2	-0.56	2.68	-6.44
51	134	-13735.3	-3928.8	-204.2	-0.50	-0.33	-3.18
	106	12731.2	9845.2	204.2	0.50	0.77	-12.83
52	134	-8111.5	-3171.9	-616.0	-0.34	-0.87	-2.48
	106	7107.4	9088.3	616.0	0.34	2.24	-11.62
53	134	-12521.8	-3373.1	533.2	-0.37	0.72	-3.67
	106	11517.8	9289.5	-533.2	0.37	-1.93	-11.11
54	134	-5857.9	-2139.9	753.5	-0.10	1.09	-3.40
	106	4853.9	8056.4	-753.5	0.10	-2.78	-8.43
55	134	8477.7	181.8	530.2	0.42	0.89	-2.26
	106	-9481.7	5734.6	-530.2	-0.42	-2.06	-3.89
56	134	14101.5	938.7	118.4	0.58	0.35	-1.56
	106	-15105.5	4977.7	-118.4	-0.58	-0.60	-2.68
57	134	6224.2	-850.2	-839.4	0.18	-1.07	-1.34
	106	-7228.2	6766.6	839.4	-0.18	2.96	-7.08
58	134	12888.1	383.0	-619.0	0.45	-0.70	-1.06
	106	-13892.1	5533.4	619.0	-0.45	2.11	-4.40
1	164	-1556.3	6329.3	-27.4	0.05	0.08	2.66
	134	242.3	1414.0	27.4	-0.05	-0.01	3.13
2	164	-1518.9	8171.5	-24.2	0.07	0.10	3.60
	134	-84.3	1275.4	24.2	-0.07	-0.04	5.11
3	164	6638.7	7648.5	115.9	0.97	0.12	1.07
	134	-8241.8	2219.0	-45.5	-0.97	-0.33	6.12
4	164	8094.1	7801.0	102.1	0.77	0.01	1.50
	134	-9697.3	2066.5	-172.5	-0.77	-0.30	6.04
5	164	2413.3	6366.6	143.0	0.69	-0.06	-0.68
	134	-4016.5	2764.8	-195.8	-0.69	-0.31	5.49
6	164	1987.1	6256.0	126.8	0.85	0.08	-1.02
	134	-3590.3	2875.4	-74.0	-0.85	-0.33	5.58
7	164	-4995.4	10134.2	-179.6	-0.52	0.24	8.07
	134	3392.2	-266.7	249.9	0.52	0.23	4.82
8	164	-3539.9	10286.7	-193.3	-0.73	0.13	8.51
	134	1936.7	-419.2	122.9	0.73	0.26	4.74
9	164	-9220.8	8852.3	-152.4	-0.80	0.06	6.33
	134	7617.6	279.1	99.6	0.80	0.25	4.19
10	164	-9646.9	8741.7	-168.7	-0.64	0.20	5.98
	134	8043.7	389.7	221.5	0.64	0.22	4.28
11	164	8180.3	7207.3	109.2	1.07	0.16	1.24
	134	-9638.9	2088.8	8.1	-1.07	-0.32	5.38
12	164	-3453.8	9693.1	-186.2	-0.43	0.28	8.25
	134	1995.1	-396.9	303.5	0.43	0.23	4.07

	164	10606.0	7461.5	86.3	0.73	-0.02	1.96
	134	-12064.7	1834.6	-203.6	-0.73	-0.27	5.24
14	164	-1028.0	9947.2	-209.2	-0.76	0.10	8.97
	134	-430.6	-651.1	91.9	0.76	0.29	3.93
15	164	1138.0	5070.8	154.4	0.60	-0.13	-1.67
	134	-2596.6	2998.4	-242.4	-0.60	-0.29	4.32
16	164	-10496.1	7556.6	-141.0	-0.89	-0.01	5.34
	134	9037.5	512.7	53.0	0.89	0.27	3.02
17	164	427.7	4886.5	127.4	0.87	0.10	-2.25
	134	-1886.4	3182.7	-39.4	-0.87	-0.33	4.47
18	164	-11206.3	7372.2	-168.1	-0.62	0.22	4.76
	134	9747.7	697.0	256.1	0.62	0.23	3.17
19	164	10497.9	5898.8	212.8	1.46	0.07	-1.74
	134	-11956.6	3116.9	-142.4	-1.46	-0.50	5.57
20	164	-8892.1	10041.7	-279.6	-1.03	0.27	9.94
	134	7433.5	-1026.0	350.0	1.03	0.43	3.40
21	164	11953.4	6051.3	199.0	1.26	-0.04	-1.30
	134	-13412.0	2964.4	-269.4	-1.26	-0.47	5.48
22	164	-7436.7	10194.2	-293.4	-1.23	0.16	10.37
	134	5978.0	-1178.5	223.0	1.23	0.46	3.31
23	164	6272.6	4616.9	239.9	1.18	-0.11	-3.48
	134	-7731.2	3662.7	-292.7	-1.18	-0.48	4.93
24	164	-13117.5	8759.8	-252.5	-1.31	0.09	8.19
	134	11658.9	-480.2	199.7	1.31	0.45	2.77
25	164	5846.4	4506.3	223.7	1.34	0.03	-3.83
	134	-7305.0	3773.3	-170.9	-1.34	-0.51	5.03
26	164	-13543.6	8649.2	-268.7	-1.15	0.23	7.85
	134	12085.0	-369.6	321.5	1.15	0.42	2.86
27	164	-19648.9	2848.5	-397.8	-0.59	0.54	-5.41
	134	18452.1	4203.6	397.8	0.59	0.37	4.65
28	164	-12037.8	3878.4	-1026.3	-0.38	1.35	-2.31
	134	10841.0	3173.7	1026.3	0.38	1.01	3.82
29	164	-18172.8	3555.4	820.9	-0.45	-1.01	-4.42
	134	16976.1	3496.8	-820.9	0.45	-0.87	5.24
30	164	3388.6	6907.6	189.3	0.21	-0.19	4.71
	134	-4585.4	144.6	-189.3	-0.21	-0.24	3.52
31	164	9938.7	8301.0	988.9	0.49	-1.21	7.77
	134	-11135.5	-1248.8	-988.9	-0.49	-1.07	3.55
32	164	17549.8	9330.9	360.4	0.69	-0.40	10.87
	134	-18746.6	-2278.7	-360.4	-0.69	-0.43	2.72
33	164	7197.5	6988.3	-1274.3	0.23	1.68	5.92
	134	-8394.3	63.8	1274.3	-0.23	1.25	2.46
34	164	16073.8	8624.1	-858.3	0.56	1.16	9.88
	134	-17270.6	-1571.9	858.3	-0.56	0.82	2.13
35	164	-1062.0	5475.7	-19.8	0.05	0.06	2.42
	134	-38.4	1008.6	19.8	-0.05	-0.02	3.03
36	164	485.8	5341.5	-25.9	0.15	0.11	2.75
	134	-1489.9	855.3	72.8	-0.15	-0.02	2.61
37	164	1456.1	5443.2	-35.1	0.01	0.04	3.04
	134	-2460.2	753.6	-11.8	-0.01	0.00	2.55
38	164	-2331.1	4486.9	-7.8	-0.04	-0.00	1.58
	134	1327.1	1219.2	-27.4	0.04	-0.01	2.18
39	164	-2615.2	4413.2	-18.6	0.07	0.09	1.35
	134	1611.1	1292.9	53.8	-0.07	-0.02	2.25
40	164	2803.5	4033.0	77.7	0.54	0.02	-0.23
	134	-3807.5	1883.4	-77.7	-0.54	-0.20	2.80

	164	-4952.5	5690.2	-119.3	-0.46	0.10	4.44
	134	3948.5	226.2	119.3	0.46	0.18	1.93
42	164	-1049.5	6089.7	-18.7	0.05	0.07	2.73
	134	-147.3	962.5	18.7	-0.05	-0.03	3.69
43	164	-20176.9	2753.2	-418.0	-0.60	0.57	-5.65
	134	18980.1	4298.9	418.0	0.60	0.39	4.69
44	164	-12324.4	3809.5	-1079.6	-0.40	1.42	-2.45
	134	11127.6	3242.7	1079.6	0.40	1.06	3.82
45	164	-18697.3	3486.8	865.0	-0.46	-1.07	-4.63
	134	17500.5	3565.3	-865.0	0.46	-0.92	5.31
46	164	-9576.6	5171.9	1303.0	-0.13	-1.62	-0.56
	134	8379.8	1880.3	-1303.0	0.13	-1.37	4.97
47	164	10225.3	8370.0	1042.2	0.50	-1.27	7.91
	134	-11422.1	-1317.8	-1042.2	-0.50	-1.12	3.56
48	164	18077.8	9426.2	380.6	0.71	-0.42	11.11
	134	-19274.6	-2374.0	-380.6	-0.71	-0.45	2.68
49	164	7477.6	7007.6	-1340.4	0.23	1.77	6.02
	134	-8674.4	44.6	1340.4	-0.23	1.31	2.40
50	164	16598.2	8692.6	-902.4	0.56	1.21	10.09
	134	-17795.0	-1640.4	902.4	-0.56	0.86	2.06
51	164	-16704.0	2137.0	-340.8	-0.49	0.45	-4.74
	134	15699.9	3779.4	340.8	0.49	0.33	3.18
52	164	-10315.6	3000.1	-870.5	-0.33	1.14	-2.14
	134	9311.6	2916.4	870.5	0.33	0.86	2.47
53	164	-15452.3	2735.3	686.5	-0.38	-0.86	-3.90
	134	14448.2	3181.1	-686.5	0.38	-0.72	3.67
54	164	-7991.1	4111.1	1037.4	-0.11	-1.30	-0.57
	134	6987.1	1805.3	-1037.4	0.11	-1.08	3.40
55	164	8166.6	6723.1	828.8	0.41	-1.02	6.34
	134	-9170.7	-806.7	-828.8	-0.41	-0.88	2.26
56	164	14554.9	7586.2	299.2	0.58	-0.34	8.95
	134	-15559.0	-1669.7	-299.2	-0.58	-0.35	1.55
57	164	5842.1	5612.0	-1079.0	0.19	1.42	4.78
	134	-6846.1	304.4	1079.0	-0.19	1.06	1.33
58	164	13303.3	6987.9	-728.1	0.46	0.97	8.10
	134	-14307.3	-1071.5	728.1	-0.46	0.70	1.06
1	110	34.8	1146.1	3.6	-0.00	0.01	1.07
	73	-174.7	-562.9	-3.6	0.00	-0.01	0.88
2	110	-272.2	3225.0	7.3	0.00	0.01	3.43
	73	132.3	-2641.8	-7.3	-0.00	-0.02	3.28
3	110	-6072.1	3284.9	-83.1	-0.00	0.17	3.61
	73	5932.2	-2701.8	83.1	0.00	0.02	3.24
4	110	-6076.3	4427.2	-56.3	-0.00	0.11	4.96
	73	5936.3	-3844.1	56.3	0.00	0.02	4.50
5	110	-5652.9	3317.4	-92.0	-0.00	0.19	3.66
	73	5512.9	-2734.3	92.0	0.00	0.02	3.26
6	110	-5642.3	2456.4	-107.7	-0.00	0.22	2.64
	73	5502.3	-1873.3	107.7	0.00	0.02	2.31
7	110	5049.1	3128.1	107.6	0.00	-0.18	3.19
	73	-5189.1	-2545.0	-107.6	-0.00	-0.07	3.30
8	110	5045.0	4270.5	134.4	0.00	-0.24	4.54
	73	-5184.9	-3687.3	-134.4	-0.00	-0.07	4.57
9	110	5468.4	3160.7	98.7	0.00	-0.16	3.24
	73	-5608.3	-2577.5	-98.7	-0.00	-0.06	3.32
10	110	5479.0	2299.7	82.9	0.00	-0.13	2.22

	73	-5618.9	-1716.5	-82.9	-0.00	-0.06	2.38
11	110	-6078.2	2233.2	-81.6	-0.00	0.16	2.41
	73	5938.2	-1650.0	81.6	0.00	0.02	2.03
12	110	5043.1	2076.4	109.1	0.00	-0.19	1.99
	73	-5183.1	-1493.3	-109.1	-0.00	-0.06	2.09
13	110	-6085.0	4137.1	-36.9	-0.00	0.06	4.66
	73	5945.1	-3553.9	36.9	0.00	0.02	4.14
14	110	5036.2	3980.3	153.8	0.00	-0.29	4.24
	73	-5176.2	-3397.2	-153.8	-0.00	-0.06	4.20
15	110	-5379.4	2287.4	-96.4	-0.00	0.20	2.50
	73	5239.4	-1704.2	96.4	0.00	0.02	2.07
16	110	5741.9	2130.6	94.3	0.00	-0.16	2.08
	73	-5881.8	-1547.5	-94.3	-0.00	-0.06	2.13
17	110	-5361.7	852.4	-122.7	-0.00	0.25	0.80
	73	5221.8	-269.3	122.7	0.00	0.03	0.49
18	110	5759.5	695.6	68.0	0.00	-0.10	0.37
	73	-5899.5	-112.5	-68.0	-0.00	-0.06	0.55
19	110	-9625.7	2297.7	-148.5	-0.00	0.29	2.57
	73	9485.8	-1714.6	148.5	0.00	0.05	2.02
20	110	8909.7	2036.4	169.3	0.01	-0.30	1.87
	73	-9049.7	-1453.3	-169.3	-0.01	-0.09	2.12
21	110	-9629.8	3440.0	-121.7	-0.00	0.23	3.92
	73	9489.9	-2856.9	121.7	0.00	0.05	3.28
22	110	8905.6	3178.8	196.1	0.01	-0.36	3.22
	73	-9045.5	-2595.6	-196.1	-0.01	-0.09	3.39
23	110	-9206.5	2330.2	-157.4	-0.01	0.31	2.62
	73	9066.5	-1747.1	157.4	0.01	0.05	2.04
24	110	9329.0	2069.0	160.4	0.00	-0.28	1.92
	73	-9468.9	-1485.8	-160.4	-0.00	-0.09	2.14
25	110	-9195.9	1469.2	-173.1	-0.01	0.34	1.60
	73	9055.9	-886.1	173.1	0.01	0.05	1.09
26	110	9339.6	1208.0	144.7	0.00	-0.24	0.90
	73	-9479.5	-624.8	-144.7	-0.00	-0.09	1.20
27	110	-866.8	2216.2	-19.8	0.00	0.02	2.34
	73	759.1	-1767.6	19.8	-0.00	0.03	2.22
28	110	-1334.7	2325.7	-45.3	0.00	0.06	2.53
	73	1227.0	-1877.2	45.3	-0.00	0.05	2.28
29	110	328.4	2049.5	36.9	-0.00	-0.06	2.03
	73	-436.1	-1600.9	-36.9	0.00	-0.04	2.14
30	110	105.2	2198.7	17.6	0.00	-0.01	2.30
	73	-212.8	-1750.1	-17.6	-0.00	-0.03	2.22
31	110	988.4	2105.0	57.3	-0.00	-0.05	2.13
	73	-1096.1	-1656.5	-57.3	0.00	-0.08	2.17
32	110	520.5	2214.6	31.8	0.00	-0.01	2.33
	73	-628.2	-1766.0	-31.8	-0.00	-0.06	2.22
33	110	-1231.2	2414.6	-48.1	0.00	0.08	2.69
	73	1123.6	-1966.1	48.1	-0.00	0.04	2.32
34	110	-674.7	2381.3	-24.9	0.00	0.06	2.63
	73	567.0	-1932.7	24.9	-0.00	0.01	2.30
35	110	-70.8	1522.4	4.8	0.00	0.00	1.55
	73	-36.9	-1073.9	-4.8	-0.00	-0.01	1.42
36	110	-128.0	817.2	6.9	0.00	-0.00	0.74
	73	20.3	-368.6	-6.9	-0.00	-0.01	0.61
37	110	-130.7	1578.7	24.7	0.00	-0.04	1.64
	73	23.1	-1130.2	-24.7	-0.00	-0.01	1.46
38	110	151.5	838.8	0.9	-0.00	0.01	0.78

	73	-259.2	-390.3	-0.9	0.00	-0.01	0.63
39	110	158.6	264.8	-9.6	-0.00	0.03	0.10
	73	-266.3	183.7	9.6	0.00	-0.01	-0.00
40	110	-3675.5	881.7	-60.0	-0.00	0.12	0.90
	73	3567.9	-433.1	60.0	0.00	0.02	0.60
41	110	3738.7	777.2	67.1	0.00	-0.11	0.62
	73	-3846.3	-328.6	-67.1	-0.00	-0.04	0.64
42	110	-173.1	2215.4	6.0	0.00	0.00	2.33
	73	65.5	-1766.8	-6.0	-0.00	-0.02	2.22
43	110	-886.7	2217.4	-21.5	0.00	0.02	2.34
	73	779.0	-1768.8	21.5	-0.00	0.03	2.22
44	110	-1367.5	2328.9	-46.8	0.00	0.06	2.54
	73	1259.8	-1880.3	46.8	-0.00	0.05	2.28
45	110	342.1	2046.8	36.0	-0.00	-0.05	2.03
	73	-449.7	-1598.3	-36.0	0.00	-0.04	2.14
46	110	914.4	2012.2	60.0	-0.00	-0.07	1.96
	73	-1022.1	-1563.6	-60.0	0.00	-0.07	2.13
47	110	1021.2	2101.9	58.7	-0.00	-0.05	2.13
	73	-1128.9	-1653.3	-58.7	0.00	-0.09	2.17
48	110	540.4	2213.4	33.5	0.00	-0.01	2.33
	73	-648.1	-1764.8	-33.5	-0.00	-0.06	2.22
49	110	-1260.7	2418.6	-48.1	0.00	0.08	2.70
	73	1153.0	-1970.0	48.1	-0.00	0.04	2.32
50	110	-688.3	2383.9	-24.0	0.00	0.06	2.64
	73	580.6	-1935.4	24.0	-0.00	0.01	2.30
51	110	-546.5	831.0	-18.7	-0.00	0.02	0.77
	73	438.8	-382.5	18.7	0.00	0.03	0.62
52	110	-930.5	921.0	-39.0	0.00	0.05	0.93
	73	822.9	-472.4	39.0	-0.00	0.04	0.66
53	110	440.6	693.5	27.6	-0.00	-0.04	0.52
	73	-548.3	-244.9	-27.6	0.00	-0.03	0.56
54	110	902.7	665.6	47.0	-0.00	-0.06	0.47
	73	-1010.3	-217.0	-47.0	0.00	-0.06	0.54
55	110	993.6	737.9	46.0	-0.00	-0.04	0.60
	73	-1101.3	-289.4	-46.0	0.00	-0.07	0.58
56	110	609.6	827.9	25.8	-0.00	-0.01	0.76
	73	-717.2	-379.3	-25.8	0.00	-0.05	0.62
57	110	-839.5	993.3	-39.9	0.00	0.06	1.06
	73	731.9	-544.8	39.9	-0.00	0.03	0.70
58	110	-377.5	965.4	-20.5	0.00	0.05	1.01
	73	269.9	-516.9	20.5	-0.00	0.01	0.69
1	139	202.0	-669.6	-21.9	0.01	-0.00	-0.52
	110	-302.7	1088.9	21.9	-0.01	0.04	-0.92
2	139	785.7	-2675.2	-30.0	0.04	-0.00	-1.91
	110	-886.4	3094.6	30.0	-0.04	0.05	-2.84
3	139	-480.2	-2591.0	-121.6	0.04	-0.08	-1.98
	110	379.5	3010.3	121.6	-0.04	0.28	-2.63
4	139	-682.4	-3592.2	-73.8	0.05	-0.08	-2.70
	110	581.8	4011.5	73.8	-0.05	0.20	-3.56
5	139	-438.3	-2592.8	-136.1	0.04	-0.08	-1.97
	110	337.7	3012.1	136.1	-0.04	0.30	-2.64
6	139	-266.0	-1842.8	-163.2	0.03	-0.08	-1.43
	110	165.4	2262.2	163.2	-0.03	0.34	-1.95
7	139	2003.6	-2757.6	77.9	0.04	0.07	-1.84
	110	-2104.3	3177.0	-77.9	-0.04	-0.20	-3.05

	139	1801.4	-3758.9	125.6	0.06	0.07	-2.56
	110	-1902.1	4178.2	-125.6	-0.06	-0.28	-3.97
9	139	2045.5	-2759.5	63.3	0.04	0.07	-1.84
	110	-2146.1	3178.8	-63.3	-0.04	-0.18	-3.05
10	139	2217.8	-2009.5	36.2	0.03	0.08	-1.29
	110	-2318.4	2428.8	-36.2	-0.03	-0.13	-2.36
11	139	-788.0	-1587.5	-112.1	0.02	-0.08	-1.29
	110	687.4	2006.8	112.1	-0.02	0.26	-1.67
12	139	1695.8	-1754.2	87.3	0.03	0.07	-1.15
	110	-1796.4	2173.5	-87.3	-0.03	-0.22	-2.08
13	139	-1125.1	-3256.2	-32.5	0.05	-0.08	-2.49
	110	1024.4	3675.5	32.5	-0.05	0.13	-3.21
14	139	1358.7	-3422.9	166.9	0.05	0.07	-2.35
	110	-1459.4	3842.2	-166.9	-0.05	-0.34	-3.62
15	139	-718.3	-1590.5	-136.4	0.02	-0.08	-1.28
	110	617.6	2009.9	136.4	-0.02	0.30	-1.68
16	139	1765.5	-1757.2	63.0	0.03	0.07	-1.15
	110	-1866.2	2176.5	-63.0	-0.03	-0.18	-2.09
17	139	-431.1	-340.6	-181.6	0.01	-0.07	-0.37
	110	330.5	760.0	181.6	-0.01	0.37	-0.53
18	139	2052.7	-507.3	17.8	0.01	0.08	-0.23
	110	-2153.3	926.6	-17.8	-0.01	-0.11	-0.94
19	139	-1600.0	-1532.6	-184.0	0.02	-0.13	-1.33
	110	1499.3	1951.9	184.0	-0.02	0.43	-1.54
20	139	2539.7	-1810.4	148.4	0.03	0.12	-1.10
	110	-2640.4	2229.7	-148.4	-0.03	-0.37	-2.22
21	139	-1802.2	-2533.8	-136.2	0.04	-0.13	-2.06
	110	1701.5	2953.1	136.2	-0.04	0.35	-2.46
22	139	2337.5	-2811.6	196.1	0.05	0.12	-1.83
	110	-2438.1	3230.9	-196.1	-0.05	-0.44	-3.15
23	139	-1558.1	-1534.4	-198.6	0.02	-0.13	-1.33
	110	1457.5	1953.7	198.6	-0.02	0.45	-1.54
24	139	2581.6	-1812.2	133.8	0.03	0.12	-1.10
	110	-2682.2	2231.5	-133.8	-0.03	-0.34	-2.23
25	139	-1385.8	-784.5	-225.7	0.01	-0.13	-0.78
	110	1285.2	1203.8	225.7	-0.01	0.50	-0.85
26	139	2753.9	-1062.3	106.7	0.02	0.13	-0.55
	110	-2854.5	1481.6	-106.7	-0.02	-0.30	-1.54
27	139	472.4	-1832.5	-26.2	0.02	-0.03	-1.24
	110	-549.8	2155.0	26.2	-0.02	0.07	-2.03
28	139	182.7	-1820.1	-85.3	0.02	-0.06	-1.29
	110	-260.1	2142.6	85.3	-0.02	0.19	-1.96
29	139	952.4	-1830.5	67.7	0.02	0.04	-1.20
	110	-1029.8	2153.1	-67.7	-0.02	-0.15	-2.07
30	139	591.1	-1795.7	-9.5	0.03	0.01	-1.30
	110	-668.6	2118.3	9.5	-0.03	0.01	-1.92
31	139	877.9	-1785.5	45.0	0.03	0.06	-1.30
	110	-955.4	2108.0	-45.0	-0.03	-0.12	-1.91
32	139	588.2	-1773.1	-14.1	0.03	0.03	-1.35
	110	-665.6	2095.6	14.1	-0.03	0.00	-1.84
33	139	-13.4	-1789.1	-129.3	0.03	-0.07	-1.37
	110	-64.0	2111.7	129.3	-0.03	0.28	-1.84
34	139	108.3	-1775.0	-107.9	0.03	-0.04	-1.39
	110	-185.7	2097.6	107.9	-0.03	0.22	-1.80
35	139	335.7	-1134.2	-17.5	0.02	-0.00	-0.83
	110	-413.2	1456.8	17.5	-0.02	0.03	-1.30

	139	125.2	-465.0	-9.4	0.01	-0.00	-0.38
	110	-202.6	787.6	9.4	-0.01	0.02	-0.66
37	139	-9.6	-1132.5	22.5	0.02	-0.00	-0.86
	110	-67.8	1455.1	-22.5	-0.02	-0.03	-1.27
38	139	153.1	-466.3	-19.1	0.01	-0.00	-0.37
	110	-230.5	788.8	19.1	-0.01	0.03	-0.66
39	139	267.9	33.7	-37.1	0.00	0.00	-0.01
	110	-345.4	288.9	37.1	-0.00	0.06	-0.20
40	139	-686.8	-410.1	-81.2	0.01	-0.05	-0.42
	110	609.3	732.7	81.2	-0.01	0.19	-0.52
41	139	969.1	-521.2	51.7	0.01	0.05	-0.33
	110	-1046.5	843.8	-51.7	-0.01	-0.13	-0.79
42	139	530.3	-1802.8	-20.1	0.03	-0.00	-1.30
	110	-607.7	2125.3	20.1	-0.03	0.03	-1.94
43	139	468.1	-1833.1	-27.0	0.02	-0.03	-1.24
	110	-545.6	2155.7	27.0	-0.02	0.07	-2.04
44	139	165.4	-1820.5	-86.1	0.02	-0.07	-1.29
	110	-242.9	2143.1	86.1	-0.02	0.20	-1.96
45	139	970.8	-1830.9	67.4	0.02	0.04	-1.20
	110	-1048.2	2153.5	-67.4	-0.02	-0.15	-2.08
46	139	1098.9	-1816.5	89.3	0.03	0.07	-1.22
	110	-1176.3	2139.0	-89.3	-0.03	-0.21	-2.04
47	139	895.2	-1785.0	45.8	0.03	0.06	-1.30
	110	-972.6	2107.5	-45.8	-0.03	-0.13	-1.91
48	139	592.5	-1772.4	-13.2	0.03	0.03	-1.35
	110	-669.9	2095.0	13.2	-0.03	-0.00	-1.84
49	139	-38.2	-1789.1	-129.5	0.03	-0.07	-1.38
	110	-39.2	2111.6	129.5	-0.03	0.28	-1.84
50	139	89.9	-1774.6	-107.7	0.03	-0.04	-1.39
	110	-167.3	2097.2	107.7	-0.03	0.22	-1.80
51	139	92.4	-490.5	-20.1	0.01	-0.03	-0.33
	110	-169.8	813.0	20.1	-0.01	0.05	-0.74
52	139	-150.6	-480.2	-67.7	0.01	-0.05	-0.37
	110	73.2	802.8	67.7	-0.01	0.16	-0.68
53	139	495.1	-488.6	55.8	0.01	0.03	-0.30
	110	-572.6	811.2	-55.8	-0.01	-0.12	-0.77
54	139	597.3	-476.8	73.3	0.01	0.06	-0.31
	110	-674.7	799.3	-73.3	-0.01	-0.17	-0.74
55	139	433.0	-451.1	38.1	0.01	0.05	-0.38
	110	-510.4	773.7	-38.1	-0.01	-0.11	-0.63
56	139	189.9	-440.9	-9.4	0.01	0.02	-0.42
	110	-267.4	763.5	9.4	-0.01	-0.00	-0.58
57	139	-315.0	-454.6	-102.8	0.01	-0.06	-0.44
	110	237.6	777.1	102.8	-0.01	0.22	-0.58
58	139	-212.8	-442.8	-85.3	0.01	-0.03	-0.45
	110	135.4	765.3	85.3	-0.01	0.17	-0.54
1	169	-93.2	560.5	-24.3	0.01	0.04	0.06
	139	-7.5	-141.1	24.3	-0.01	0.00	0.52
2	169	-215.2	1495.3	-33.4	0.04	0.05	0.22
	139	114.6	-1076.0	33.4	-0.04	0.00	1.89
3	169	-1481.1	1579.6	-360.0	0.04	0.51	0.29
	139	1380.5	-1160.3	360.0	-0.04	0.08	1.96
4	169	-1683.3	2071.1	-320.8	0.05	0.45	0.38
	139	1582.7	-1651.8	320.8	-0.05	0.08	2.68
5	169	-1439.3	1577.8	-373.1	0.04	0.54	0.29

	139	1338.6	-1158.5	373.1	-0.04	0.08	1.96
6	169	-1267.0	1208.2	-392.3	0.03	0.57	0.23
	139	1166.3	-788.9	392.3	-0.03	0.08	1.42
7	169	1002.7	1412.9	307.2	0.04	-0.43	0.16
	139	-1103.3	-993.6	-307.2	-0.04	-0.07	1.82
8	169	800.5	1904.5	346.4	0.06	-0.50	0.25
	139	-901.1	-1485.1	-346.4	-0.06	-0.07	2.54
9	169	1044.5	1411.1	294.2	0.04	-0.41	0.16
	139	-1145.2	-991.8	-294.2	-0.04	-0.07	1.82
10	169	1216.9	1041.5	275.0	0.03	-0.38	0.09
	139	-1317.5	-622.2	-275.0	-0.03	-0.08	1.28
11	169	-1436.1	1112.8	-350.8	0.02	0.50	0.21
	139	1335.5	-693.5	350.8	-0.02	0.08	1.28
12	169	1047.7	946.1	316.5	0.03	-0.45	0.07
	139	-1148.3	-526.8	-316.5	-0.03	-0.07	1.14
13	169	-1773.1	1932.0	-285.4	0.05	0.39	0.36
	139	1672.5	-1512.7	285.4	-0.05	0.08	2.47
14	169	710.7	1765.3	381.8	0.05	-0.56	0.22
	139	-811.3	-1346.0	-381.8	-0.05	-0.07	2.34
15	169	-1366.4	1109.8	-372.5	0.02	0.54	0.21
	139	1265.7	-690.5	372.5	-0.02	0.08	1.27
16	169	1117.4	943.1	294.8	0.03	-0.41	0.07
	139	-1218.1	-523.8	-294.8	-0.03	-0.07	1.14
17	169	-1079.2	493.8	-404.6	0.01	0.59	0.10
	139	978.6	-74.4	404.6	-0.01	0.07	0.37
18	169	1404.6	327.1	262.7	0.01	-0.36	-0.04
	139	-1505.3	92.2	-262.7	-0.01	-0.08	0.23
19	169	-2248.0	1167.7	-577.9	0.02	0.82	0.25
	139	2147.4	-748.4	577.9	-0.02	0.13	1.32
20	169	1891.6	889.9	534.3	0.03	-0.76	0.03
	139	-1992.3	-470.6	-534.3	-0.03	-0.12	1.09
21	169	-2450.3	1659.3	-538.7	0.04	0.76	0.34
	139	2349.6	-1239.9	538.7	-0.04	0.13	2.04
22	169	1689.4	1381.5	573.4	0.05	-0.82	0.12
	139	-1790.1	-962.1	-573.4	-0.05	-0.12	1.81
23	169	-2206.2	1165.9	-590.9	0.02	0.84	0.25
	139	2105.6	-746.6	590.9	-0.02	0.13	1.32
24	169	1933.5	888.1	521.2	0.03	-0.73	0.03
	139	-2034.1	-468.8	-521.2	-0.03	-0.12	1.09
25	169	-2033.9	796.3	-610.2	0.01	0.88	0.19
	139	1933.2	-377.0	610.2	-0.01	0.13	0.78
26	169	2105.8	518.5	502.0	0.02	-0.70	-0.04
	139	-2206.4	-99.2	-502.0	-0.02	-0.13	0.55
27	169	-230.9	983.0	-92.1	0.02	0.12	0.12
	139	153.5	-660.5	92.1	-0.02	0.03	1.23
28	169	-438.3	1024.2	-222.3	0.02	0.30	0.14
	139	360.9	-701.6	222.3	-0.02	0.06	1.28
29	169	139.7	956.9	153.9	0.02	-0.22	0.12
	139	-217.2	-634.3	-153.9	-0.02	-0.04	1.19
30	169	-95.5	1044.2	17.7	0.03	-0.02	0.16
	139	18.1	-721.7	-17.7	-0.03	-0.01	1.29
31	169	136.9	1045.6	176.9	0.03	-0.23	0.17
	139	-214.3	-723.0	-176.9	-0.03	-0.06	1.29
32	169	-70.5	1086.7	46.8	0.03	-0.05	0.18
	139	-6.9	-764.1	-46.8	-0.03	-0.03	1.34
33	169	-551.5	1094.0	-280.0	0.03	0.39	0.17

	139	474.1	-771.5	280.0	-0.03	0.07	1.36
34	169	-441.2	1112.8	-199.3	0.03	0.29	0.19
	139	363.8	-790.2	199.3	-0.03	0.04	1.38
35	169	-110.0	723.2	-19.6	0.02	0.03	0.10
	139	32.6	-400.7	19.6	-0.02	0.00	0.83
36	169	-85.4	412.2	-11.9	0.01	0.02	0.04
	139	8.0	-89.7	11.9	-0.01	0.00	0.37
37	169	-220.2	739.9	14.3	0.02	-0.03	0.10
	139	142.8	-417.4	-14.3	-0.02	0.00	0.85
38	169	-57.5	411.0	-20.5	0.01	0.03	0.04
	139	-19.9	-88.5	20.5	-0.01	0.00	0.37
39	169	57.4	164.6	-33.4	0.00	0.06	-0.00
	139	-134.8	157.9	33.4	-0.00	-0.00	0.01
40	169	-897.3	467.2	-239.0	0.01	0.34	0.09
	139	819.9	-144.6	239.0	-0.01	0.05	0.42
41	169	758.6	356.0	205.9	0.01	-0.29	-0.00
	139	-836.0	-33.5	-205.9	-0.01	-0.05	0.33
42	169	-150.7	1034.9	-22.7	0.03	0.04	0.15
	139	73.3	-712.3	22.7	-0.03	0.00	1.29
43	169	-234.2	982.0	-96.4	0.02	0.13	0.12
	139	156.8	-659.4	96.4	-0.02	0.03	1.23
44	169	-451.7	1023.8	-231.0	0.02	0.31	0.14
	139	374.3	-701.2	231.0	-0.02	0.07	1.28
45	169	154.0	955.6	159.2	0.02	-0.22	0.12
	139	-231.4	-633.1	-159.2	-0.02	-0.04	1.19
46	169	269.4	974.8	243.8	0.03	-0.33	0.13
	139	-346.8	-652.3	-243.8	-0.03	-0.07	1.21
47	169	150.3	1046.0	185.6	0.03	-0.24	0.17
	139	-227.7	-723.4	-185.6	-0.03	-0.06	1.29
48	169	-67.2	1087.7	51.1	0.03	-0.06	0.19
	139	-10.2	-765.2	-51.1	-0.03	-0.03	1.34
49	169	-570.8	1094.9	-289.2	0.03	0.40	0.17
	139	493.4	-772.3	289.2	-0.03	0.07	1.36
50	169	-455.4	1114.1	-204.6	0.03	0.29	0.19
	139	378.0	-791.5	204.6	-0.03	0.04	1.38
51	169	-135.8	368.5	-75.6	0.01	0.10	0.01
	139	58.4	-45.9	75.6	-0.01	0.03	0.32
52	169	-310.1	402.3	-183.4	0.01	0.25	0.03
	139	232.7	-79.7	183.4	-0.01	0.05	0.37
53	169	175.0	347.4	129.3	0.01	-0.18	0.01
	139	-252.4	-24.9	-129.3	-0.01	-0.03	0.29
54	169	267.2	363.2	197.1	0.01	-0.27	0.02
	139	-344.6	-40.6	-197.1	-0.01	-0.06	0.31
55	169	171.4	420.9	150.3	0.01	-0.20	0.05
	139	-248.8	-98.4	-150.3	-0.01	-0.05	0.38
56	169	-2.9	454.7	42.4	0.01	-0.05	0.07
	139	-74.5	-132.2	-42.4	-0.01	-0.02	0.42
57	169	-405.9	460.1	-230.2	0.01	0.32	0.06
	139	328.5	-137.5	230.2	-0.01	0.06	0.43
58	169	-313.8	475.8	-162.4	0.01	0.23	0.07
	139	236.3	-153.2	162.4	-0.01	0.03	0.45
1	135	209.1	-429.7	-20.7	-0.01	0.01	-0.45
	106	-309.8	849.0	20.7	0.01	0.03	-0.61
2	135	986.2	-1957.1	-33.8	-0.01	0.02	-1.68
	106	-1086.8	2376.4	33.8	0.01	0.04	-1.88

	135	-1025.5	-1662.3	23.8	0.01	-0.05	-1.57
	106	924.8	2081.6	-23.8	-0.01	0.02	-1.51
4	135	-1798.4	-2350.7	32.2	0.01	-0.06	-2.22
	106	1697.7	2770.0	-32.2	-0.01	0.01	-1.99
5	135	-1196.8	-1624.6	37.9	0.01	-0.06	-1.61
	106	1096.2	2043.9	-37.9	-0.01	0.00	-1.40
6	135	895.4	-1104.9	32.3	0.02	-0.06	-1.12
	106	-996.1	1524.2	-32.3	-0.02	0.01	-1.04
7	135	3176.3	-2294.6	-107.2	-0.02	0.10	-1.74
	106	-3276.9	2714.0	107.2	0.02	0.08	-2.38
8	135	2403.4	-2983.1	-98.8	-0.03	0.09	-2.40
	106	-2504.0	3402.4	98.8	0.03	0.07	-2.86
9	135	3004.9	-2257.0	-93.1	-0.03	0.09	-1.79
	106	-3105.6	2676.3	93.1	0.03	0.07	-2.27
10	135	5097.2	-1737.3	-98.7	-0.02	0.09	-1.30
	106	-5197.8	2156.6	98.7	0.02	0.07	-1.91
11	135	-1354.5	-912.8	25.2	0.02	-0.05	-0.93
	106	1253.9	1332.2	-25.2	-0.02	0.01	-0.91
12	135	2847.2	-1545.2	-105.8	-0.02	0.10	-1.11
	106	-2947.9	1964.5	105.8	0.02	0.08	-1.78
13	135	-2642.7	-2060.2	39.2	0.00	-0.06	-2.02
	106	2542.1	2479.5	-39.2	-0.00	-0.00	-1.71
14	135	1559.1	-2692.6	-91.8	-0.03	0.09	-2.20
	106	-1659.7	3111.9	91.8	0.03	0.06	-2.58
15	135	-1640.1	-850.0	48.6	0.01	-0.07	-1.01
	106	1539.5	1269.3	-48.6	-0.01	-0.01	-0.73
16	135	2561.6	-1482.4	-82.4	-0.03	0.08	-1.19
	106	-2662.3	1901.7	82.4	0.03	0.06	-1.60
17	135	1847.0	16.2	39.3	0.02	-0.06	-0.19
	106	-1947.6	403.2	-39.3	-0.02	-0.00	-0.13
18	135	6048.7	-616.2	-91.7	-0.02	0.09	-0.36
	106	-6149.4	1035.5	91.7	0.02	0.06	-1.00
19	135	-2814.6	-687.8	74.1	0.03	-0.11	-0.89
	106	2714.0	1107.1	-74.1	-0.03	-0.01	-0.58
20	135	4188.3	-1741.7	-144.3	-0.04	0.14	-1.18
	106	-4289.0	2161.1	144.3	0.04	0.09	-2.03
21	135	-3587.5	-1376.2	82.5	0.02	-0.11	-1.54
	106	3486.9	1795.5	-82.5	-0.02	-0.02	-1.06
22	135	3415.5	-2430.2	-135.9	-0.04	0.14	-1.84
	106	-3516.1	2849.5	135.9	0.04	0.09	-2.51
23	135	-2986.0	-650.1	88.2	0.02	-0.12	-0.94
	106	2885.3	1069.4	-88.2	-0.02	-0.03	-0.48
24	135	4017.0	-1704.1	-130.2	-0.04	0.13	-1.23
	106	-4117.6	2123.4	130.2	0.04	0.08	-1.92
25	135	-893.7	-130.4	82.6	0.03	-0.11	-0.45
	106	793.1	549.7	-82.6	-0.03	-0.02	-0.11
26	135	6109.3	-1184.4	-135.8	-0.03	0.14	-0.74
	106	-6209.9	1603.7	135.8	0.03	0.09	-1.56
27	135	1950.7	-1242.4	-4.0	-0.01	-0.04	-1.25
	106	-2028.2	1565.0	4.0	0.01	0.06	-1.15
28	135	1591.9	-951.1	-15.6	-0.02	-0.08	-1.16
	106	-1669.3	1273.6	15.6	0.02	0.12	-0.76
29	135	1595.3	-1731.5	-0.6	0.01	0.07	-1.31
	106	-1672.7	2054.1	0.6	-0.01	-0.06	-1.83
30	135	333.6	-1373.8	-28.6	-0.00	0.03	-1.12
	106	-411.0	1696.3	28.6	0.00	0.01	-1.38

	135	-261.2	-1668.6	-32.9	0.01	0.11	-1.12
	106	183.8	1991.1	32.9	-0.01	-0.07	-1.81
32	135	-620.1	-1377.2	-44.5	-0.00	0.06	-1.03
	106	542.6	1699.8	44.5	0.00	-0.00	-1.42
33	135	399.0	-760.3	-39.3	-0.02	-0.09	-1.01
	106	-476.4	1082.8	39.3	0.02	0.15	-0.53
34	135	-264.6	-888.1	-47.9	-0.02	-0.05	-0.97
	106	187.2	1210.7	47.9	0.02	0.11	-0.73
35	135	406.3	-800.7	-19.9	-0.00	0.01	-0.73
	106	-483.7	1123.3	19.9	0.00	0.02	-0.86
36	135	206.8	-305.8	-20.7	-0.00	0.01	-0.30
	106	-284.2	628.4	20.7	0.00	0.02	-0.47
37	135	-308.5	-764.8	-15.1	-0.01	0.01	-0.73
	106	231.1	1087.3	15.1	0.01	0.02	-0.79
38	135	92.5	-280.7	-11.3	-0.01	0.00	-0.33
	106	-169.9	603.2	11.3	0.01	0.02	-0.40
39	135	1487.4	65.8	-15.1	-0.00	0.01	0.00
	106	-1564.8	256.8	15.1	0.00	0.02	-0.16
40	135	-1253.3	-80.8	28.2	0.01	-0.04	-0.25
	106	1175.9	403.3	-28.2	-0.01	-0.00	-0.14
41	135	1547.9	-502.4	-59.2	-0.02	0.06	-0.37
	106	-1625.3	824.9	59.2	0.02	0.04	-0.72
42	135	665.3	-1309.8	-24.3	-0.01	0.01	-1.14
	106	-742.8	1632.4	24.3	0.01	0.03	-1.28
43	135	1988.5	-1237.5	-5.2	-0.01	-0.04	-1.25
	106	-2065.9	1560.1	5.2	0.01	0.06	-1.14
44	135	1627.6	-931.2	-16.3	-0.02	-0.09	-1.16
	106	-1705.0	1253.8	16.3	0.02	0.13	-0.73
45	135	1609.7	-1752.7	-1.8	0.01	0.07	-1.32
	106	-1687.1	2075.3	1.8	-0.01	-0.06	-1.86
46	135	924.0	-1888.0	-9.9	0.01	0.12	-1.28
	106	-1001.5	2210.5	9.9	-0.01	-0.10	-2.07
47	135	-296.9	-1688.4	-32.3	0.01	0.11	-1.12
	106	219.5	2011.0	32.3	-0.01	-0.07	-1.84
48	135	-657.8	-1382.1	-43.3	-0.00	0.06	-1.02
	106	580.4	1704.7	43.3	0.00	-0.00	-1.43
49	135	406.6	-731.7	-38.6	-0.02	-0.09	-1.00
	106	-484.1	1054.2	38.6	0.02	0.15	-0.49
50	135	-279.0	-867.0	-46.7	-0.02	-0.05	-0.96
	106	201.6	1189.5	46.7	0.02	0.12	-0.70
51	135	1217.8	-234.7	0.0	-0.01	-0.03	-0.41
	106	-1295.2	557.3	-0.0	0.01	0.05	-0.32
52	135	928.7	11.1	-8.9	-0.01	-0.07	-0.33
	106	-1006.1	311.5	8.9	0.01	0.10	0.01
53	135	906.9	-647.2	2.7	0.00	0.05	-0.46
	106	-984.3	969.8	-2.7	-0.00	-0.05	-0.90
54	135	351.4	-755.1	-3.9	0.01	0.09	-0.42
	106	-428.8	1077.7	3.9	-0.01	-0.08	-1.07
55	135	-634.1	-594.2	-22.1	0.00	0.09	-0.30
	106	556.7	916.8	22.1	-0.00	-0.06	-0.88
56	135	-923.2	-348.4	-31.0	-0.00	0.05	-0.22
	106	845.8	671.0	31.0	0.00	-0.01	-0.55
57	135	-56.8	172.0	-27.0	-0.02	-0.08	-0.20
	106	-20.6	150.6	27.0	0.02	0.12	0.20
58	135	-612.3	64.1	-33.7	-0.01	-0.04	-0.17
	106	534.9	258.5	33.7	0.01	0.09	0.03

1	165	-90.4	818.3	4.0	-0.01	0.00	0.55
	135	-10.2	-399.0	-4.0	0.01	-0.01	0.45
2	165	-23.2	2248.6	12.0	-0.01	-0.00	1.66
	135	-77.5	-1829.2	-12.0	0.01	-0.02	1.70
3	165	-2034.8	2543.4	-134.4	0.01	0.17	2.25
	135	1934.2	-2124.1	134.4	-0.01	0.05	1.59
4	165	-2807.7	3356.4	-142.1	0.01	0.17	2.92
	135	2707.1	-2937.1	142.1	-0.01	0.06	2.25
5	165	-2206.2	2581.1	-151.5	0.01	0.19	2.26
	135	2105.5	-2161.8	151.5	-0.01	0.06	1.64
6	165	-113.9	1974.7	-145.0	0.02	0.18	1.76
	135	13.3	-1555.4	145.0	-0.02	0.06	1.14
7	165	2166.9	1911.0	176.1	-0.02	-0.19	1.05
	135	-2267.6	-1491.7	-176.1	0.02	-0.10	1.75
8	165	1394.0	2724.1	168.4	-0.03	-0.19	1.73
	135	-1494.7	-2304.7	-168.4	0.03	-0.09	2.41
9	165	1995.6	1948.7	159.0	-0.03	-0.17	1.06
	135	-2096.2	-1529.4	-159.0	0.03	-0.09	1.80
10	165	4087.8	1342.3	165.5	-0.02	-0.18	0.56
	135	-4188.5	-923.0	-165.5	0.02	-0.09	1.30
11	165	-2009.0	1814.0	-132.4	0.02	0.16	1.69
	135	1908.3	-1394.7	132.4	-0.02	0.05	0.95
12	165	2192.8	1181.6	178.1	-0.02	-0.20	0.49
	135	-2293.4	-762.3	-178.1	0.02	-0.10	1.11
13	165	-3297.1	3169.1	-145.3	0.00	0.18	2.82
	135	3196.5	-2749.8	145.3	-0.00	0.06	2.05
14	165	904.6	2536.7	165.2	-0.03	-0.18	1.62
	135	-1005.3	-2117.4	-165.2	0.03	-0.09	2.21
15	165	-2294.6	1876.9	-161.0	0.01	0.19	1.71
	135	2193.9	-1457.5	161.0	-0.01	0.07	1.03
16	165	1907.2	1244.5	149.5	-0.03	-0.17	0.51
	135	-2007.8	-825.1	-149.5	0.03	-0.08	1.19
17	165	1192.5	866.2	-150.1	0.02	0.18	0.88
	135	-1293.2	-446.9	150.1	-0.02	0.06	0.20
18	165	5394.3	233.8	160.4	-0.02	-0.18	-0.32
	135	-5494.9	185.5	-160.4	0.02	-0.09	0.36
19	165	-3469.0	2039.1	-241.8	0.03	0.29	2.09
	135	3368.4	-1619.7	241.8	-0.03	0.11	0.92
20	165	3533.9	985.1	275.7	-0.04	-0.31	0.10
	135	-3634.5	-565.8	-275.7	0.04	-0.14	1.18
21	165	-4241.9	2852.1	-249.6	0.02	0.30	2.77
	135	4141.3	-2432.8	249.6	-0.02	0.11	1.58
22	165	2761.0	1798.1	267.9	-0.04	-0.30	0.78
	135	-2861.7	-1378.8	-267.9	0.04	-0.14	1.84
23	165	-3640.4	2076.8	-259.0	0.02	0.31	2.11
	135	3539.8	-1657.4	259.0	-0.02	0.12	0.97
24	165	3362.6	1022.8	258.5	-0.04	-0.29	0.11
	135	-3463.2	-603.5	-258.5	0.04	-0.13	1.23
25	165	-1548.1	1470.4	-252.5	0.03	0.30	1.61
	135	1447.5	-1051.0	252.5	-0.03	0.11	0.47
26	165	5454.8	416.4	265.0	-0.03	-0.30	-0.39
	135	-5555.5	2.9	-265.0	0.03	-0.14	0.73
27	165	860.9	1621.4	-104.1	-0.01	0.13	1.24
	135	-938.3	-1298.9	104.1	0.01	0.04	1.26
28	165	1329.0	1941.3	-210.1	-0.02	0.26	1.84

	135	-1406.4	-1618.8	210.1	0.02	0.08	1.17
29	165	-466.7	1088.1	135.7	0.01	-0.16	0.25
	135	389.3	-765.5	-135.7	-0.01	-0.07	1.31
30	165	-356.6	1484.0	58.3	-0.00	-0.06	1.02
	135	279.2	-1161.4	-58.3	0.00	-0.03	1.13
31	165	-1372.2	1163.9	227.4	0.01	-0.27	0.44
	135	1294.8	-841.4	-227.4	-0.01	-0.11	1.13
32	165	-904.2	1483.8	121.3	-0.00	-0.14	1.05
	135	826.8	-1161.3	-121.3	0.00	-0.06	1.04
33	165	1093.4	2154.4	-217.9	-0.02	0.27	2.27
	135	-1170.8	-1831.8	217.9	0.02	0.09	1.03
34	165	423.4	2017.2	-118.5	-0.02	0.15	2.03
	135	-500.8	-1694.6	118.5	0.02	0.05	0.99
35	165	-44.1	1075.9	6.0	-0.00	-0.00	0.77
	135	-33.4	-753.3	-6.0	0.00	-0.01	0.73
36	165	-7.0	584.9	9.3	-0.00	-0.01	0.40
	135	-70.4	-262.3	-9.3	0.00	-0.01	0.30
37	165	-522.3	1126.9	4.1	-0.01	-0.00	0.85
	135	444.8	-804.3	-4.1	0.01	-0.01	0.74
38	165	-121.2	610.0	-2.2	-0.01	0.01	0.41
	135	43.8	-287.4	2.2	0.01	-0.00	0.33
39	165	1273.6	205.7	2.2	-0.00	0.00	0.07
	135	-1351.0	116.8	-2.2	0.00	-0.01	-0.00
40	165	-1467.1	809.9	-100.2	0.01	0.12	0.80
	135	1389.6	-487.3	100.2	-0.01	0.04	0.27
41	165	1334.1	388.3	106.8	-0.02	-0.12	0.00
	135	-1411.5	-65.8	-106.8	0.02	-0.06	0.37
42	165	-21.6	1552.6	8.6	-0.01	-0.00	1.14
	135	-55.8	-1230.1	-8.6	0.01	-0.01	1.15
43	165	894.1	1626.6	-109.0	-0.01	0.14	1.24
	135	-971.5	-1304.0	109.0	0.01	0.04	1.26
44	165	1373.7	1962.8	-220.3	-0.02	0.27	1.88
	135	-1451.1	-1640.2	220.3	0.02	0.09	1.17
45	165	-474.4	1064.9	142.1	0.01	-0.16	0.20
	135	397.0	-742.3	-142.1	-0.01	-0.07	1.31
46	165	-1167.7	919.7	246.1	0.01	-0.29	-0.05
	135	1090.3	-597.1	-246.1	-0.01	-0.12	1.27
47	165	-1417.0	1142.5	237.5	0.01	-0.28	0.40
	135	1339.6	-819.9	-237.5	-0.01	-0.11	1.13
48	165	-937.3	1478.7	126.2	-0.00	-0.15	1.04
	135	859.9	-1156.1	-126.2	0.00	-0.06	1.04
49	165	1124.5	2185.6	-228.8	-0.02	0.28	2.33
	135	-1201.9	-1863.0	228.8	0.02	0.09	1.02
50	165	431.1	2040.4	-124.9	-0.02	0.16	2.08
	135	-508.6	-1717.8	124.9	0.02	0.05	0.98
51	165	676.1	657.2	-91.6	-0.01	0.12	0.48
	135	-753.5	-334.6	91.6	0.01	0.03	0.41
52	165	1059.2	927.0	-180.6	-0.01	0.22	1.00
	135	-1136.6	-604.4	180.6	0.01	0.07	0.34
53	165	-424.8	207.3	109.7	0.00	-0.13	-0.35
	135	347.4	115.2	-109.7	-0.00	-0.05	0.45
54	165	-985.3	91.6	193.4	0.01	-0.23	-0.55
	135	907.8	231.0	-193.4	-0.01	-0.09	0.42
55	165	-1192.1	271.2	187.2	0.00	-0.22	-0.19
	135	1114.7	51.3	-187.2	-0.00	-0.09	0.30
56	165	-809.0	541.0	98.2	-0.00	-0.11	0.32

	135	731.6	-218.5	-98.2	0.00	-0.05	0.23
57	165	852.3	1106.7	-186.8	-0.02	0.23	1.36
	135	-929.7	-784.1	186.8	0.02	0.08	0.22
58	165	291.8	990.9	-103.1	-0.01	0.13	1.16
	135	-369.3	-668.3	103.1	0.01	0.04	0.18
1	60	-205.0	851.2	21.9	-0.00	-0.03	0.92
	37	121.7	-504.0	-21.9	0.00	0.00	0.01
2	60	-566.9	2327.3	7.7	-0.00	-0.01	2.92
	37	483.6	-1980.1	-7.7	0.00	0.00	0.02
3	60	-688.5	3048.4	76.2	-0.00	-0.10	3.89
	37	605.2	-2701.1	-76.2	0.00	0.00	0.03
4	60	-692.4	2297.2	59.9	-0.00	-0.08	2.88
	37	609.1	-1950.0	-59.9	0.00	0.00	0.02
5	60	-686.2	1736.0	142.5	-0.00	-0.19	2.12
	37	602.8	-1388.8	-142.5	0.00	0.00	0.01
6	60	-683.6	2299.3	131.5	-0.00	-0.18	2.88
	37	600.3	-1952.1	-131.5	0.00	0.00	0.02
7	60	-448.0	3106.1	-134.6	-0.00	0.18	3.97
	37	364.6	-2758.8	134.6	0.00	0.00	0.02
8	60	-451.9	2354.9	-150.9	-0.00	0.21	2.96
	37	368.5	-2007.7	150.9	0.00	0.00	0.01
9	60	-445.6	1793.8	-68.4	-0.00	0.09	2.20
	37	362.3	-1446.5	68.4	0.00	0.00	0.01
10	60	-443.1	2357.1	-79.4	-0.00	0.11	2.96
	37	359.7	-2009.8	79.4	0.00	0.00	0.02
11	60	-508.5	2810.3	58.7	-0.00	-0.08	3.57
	37	425.1	-2463.0	-58.7	0.00	0.00	0.03
12	60	-267.9	2868.0	-152.1	-0.00	0.21	3.65
	37	184.6	-2520.7	152.1	0.00	0.00	0.02
13	60	-514.9	1558.3	31.6	-0.00	-0.04	1.88
	37	431.6	-1211.1	-31.6	0.00	0.00	0.01
14	60	-274.4	1616.0	-179.2	-0.00	0.24	1.96
	37	191.1	-1268.8	179.2	0.00	0.00	0.01
15	60	-504.6	623.0	169.1	-0.00	-0.23	0.61
	37	421.2	-275.8	-169.1	0.00	0.00	0.00
16	60	-264.0	680.8	-41.7	-0.00	0.06	0.69
	37	180.7	-333.5	41.7	0.00	0.00	-0.00
17	60	-500.3	1561.8	150.8	-0.00	-0.21	1.88
	37	416.9	-1214.6	-150.8	0.00	0.00	0.02
18	60	-259.7	1619.6	-60.0	-0.00	0.08	1.96
	37	176.4	-1272.3	60.0	0.00	0.00	0.01
19	60	-587.7	2291.1	153.6	-0.00	-0.21	2.86
	37	504.4	-1943.8	-153.6	0.00	0.00	0.02
20	60	-186.8	2387.3	-197.8	-0.00	0.27	3.00
	37	103.5	-2040.0	197.8	0.00	0.00	0.02
21	60	-591.6	1539.9	137.3	-0.00	-0.19	1.85
	37	508.3	-1192.7	-137.3	0.00	0.00	0.01
22	60	-190.7	1636.1	-214.1	-0.00	0.29	1.99
	37	107.4	-1288.9	214.1	0.00	0.00	0.01
23	60	-585.4	978.7	219.8	-0.00	-0.30	1.09
	37	502.1	-631.5	-219.8	0.00	0.00	0.01
24	60	-184.5	1075.0	-131.6	-0.00	0.18	1.23
	37	101.2	-727.7	131.6	0.00	0.00	0.00
25	60	-582.8	1542.0	208.8	-0.00	-0.28	1.85
	37	499.5	-1194.8	-208.8	0.00	0.00	0.02

	60	-181.9	1638.2	-142.5	-0.00	0.19	1.99
	37	98.6	-1291.0	142.5	0.00	0.00	0.01
27	60	-578.1	1589.5	-116.5	-0.00	0.16	1.97
	37	514.0	-1322.4	116.5	0.00	0.00	0.01
28	60	-527.5	1580.9	-169.2	-0.00	0.23	1.96
	37	463.4	-1313.7	169.2	0.00	0.00	0.01
29	60	-523.6	1612.9	48.3	-0.00	-0.07	2.00
	37	459.5	-1345.8	-48.3	0.00	0.00	0.01
30	60	-341.9	1610.0	49.0	-0.00	-0.07	2.00
	37	277.8	-1342.9	-49.0	0.00	0.00	0.01
31	60	-253.7	1627.7	178.7	-0.00	-0.24	2.02
	37	189.6	-1360.6	-178.7	0.00	0.00	0.01
32	60	-203.1	1619.1	126.0	-0.00	-0.17	2.01
	37	138.9	-1351.9	-126.0	0.00	0.00	0.01
33	60	-354.8	1584.2	-127.4	-0.00	0.17	1.97
	37	290.7	-1317.1	127.4	0.00	0.00	0.01
34	60	-257.5	1595.6	-38.8	-0.00	0.05	1.98
	37	193.4	-1328.5	38.8	0.00	0.00	0.01
35	60	-269.9	1112.2	9.5	-0.00	-0.01	1.33
	37	205.8	-845.1	-9.5	0.00	0.00	0.01
36	60	-150.2	1120.1	-10.4	-0.00	0.01	1.34
	37	86.1	-853.0	10.4	0.00	0.00	0.01
37	60	-152.8	619.4	-21.2	-0.00	0.03	0.66
	37	88.7	-352.2	21.2	0.00	0.00	0.00
38	60	-148.6	245.2	33.8	-0.00	-0.05	0.15
	37	84.5	21.9	-33.8	0.00	0.00	-0.00
39	60	-146.9	620.8	26.5	-0.00	-0.04	0.66
	37	82.8	-353.6	-26.5	0.00	0.00	0.00
40	60	-229.5	601.0	84.5	-0.00	-0.12	0.63
	37	165.4	-333.8	-84.5	0.00	0.00	0.00
41	60	-69.1	639.4	-56.1	-0.00	0.08	0.69
	37	5.0	-372.3	56.1	0.00	0.00	0.00
42	60	-390.6	1604.3	4.7	-0.00	-0.01	1.99
	37	326.5	-1337.2	-4.7	0.00	0.00	0.01
43	60	-581.1	1588.9	-119.1	-0.00	0.16	1.97
	37	517.0	-1321.8	119.1	0.00	0.00	0.01
44	60	-530.0	1581.2	-169.8	-0.00	0.23	1.96
	37	465.9	-1314.1	169.8	0.00	0.00	0.01
45	60	-525.2	1611.4	44.5	-0.00	-0.06	2.00
	37	461.1	-1344.3	-44.5	0.00	0.00	0.01
46	60	-426.2	1622.9	134.0	-0.00	-0.18	2.02
	37	362.1	-1355.8	-134.0	0.00	0.00	0.01
47	60	-251.1	1627.3	179.3	-0.00	-0.24	2.02
	37	187.0	-1360.2	-179.3	0.00	0.00	0.01
48	60	-200.1	1619.6	128.5	-0.00	-0.18	2.01
	37	136.0	-1352.5	-128.5	0.00	0.00	0.01
49	60	-355.0	1585.6	-124.5	-0.00	0.17	1.97
	37	290.8	-1318.5	124.5	0.00	0.00	0.01
50	60	-256.0	1597.2	-35.0	-0.00	0.05	1.98
	37	191.9	-1330.0	35.0	0.00	0.00	0.01
51	60	-304.8	607.7	-86.6	-0.00	0.12	0.64
	37	240.7	-340.6	86.6	0.00	0.00	0.00
52	60	-263.1	601.4	-128.1	-0.00	0.17	0.63
	37	199.0	-334.3	128.1	0.00	0.00	0.00
53	60	-259.3	626.0	46.9	-0.00	-0.06	0.67
	37	195.2	-358.9	-46.9	0.00	0.00	0.00

	60	-178.5	635.4	119.8	-0.00	-0.16	0.68
	37	114.4	-368.2	-119.8	0.00	0.00	0.00
55	60	-35.5	639.0	156.5	-0.00	-0.21	0.68
	37	-28.6	-371.8	-156.5	0.00	0.00	0.00
56	60	6.2	632.7	115.0	-0.00	-0.16	0.68
	37	-70.3	-365.5	-115.0	0.00	0.00	0.00
57	60	-120.1	605.0	-91.4	-0.00	0.12	0.64
	37	56.0	-337.9	91.4	0.00	0.00	0.00
58	60	-39.4	614.4	-18.4	-0.00	0.03	0.65
	37	-24.8	-347.3	18.4	0.00	0.00	0.00
1	61	-195.0	812.7	-22.5	-0.00	0.03	0.87
	38	111.7	-465.4	22.5	0.00	-0.00	-0.00
2	61	-521.2	2171.5	-78.3	-0.00	0.11	2.73
	38	437.8	-1824.3	78.3	0.00	-0.00	-0.01
3	61	-521.2	2861.4	38.6	-0.00	-0.05	3.67
	38	437.8	-2514.1	-38.6	0.00	0.00	-0.01
4	61	-521.2	2171.5	-14.2	-0.00	0.02	2.73
	38	437.8	-1824.3	14.2	0.00	-0.00	-0.00
5	61	-521.2	1654.2	27.4	-0.00	-0.04	2.02
	38	437.8	-1306.9	-27.4	0.00	0.00	-0.00
6	61	-521.2	2171.5	47.5	-0.00	-0.06	2.73
	38	437.8	-1824.3	-47.5	0.00	0.00	-0.00
7	61	-521.2	2861.4	-180.8	0.00	0.25	3.67
	38	437.8	-2514.1	180.8	-0.00	-0.00	-0.01
8	61	-521.2	2171.5	-233.5	0.00	0.32	2.73
	38	437.8	-1824.3	233.5	-0.00	-0.00	-0.01
9	61	-521.2	1654.2	-192.0	0.00	0.26	2.02
	38	437.8	-1306.9	192.0	-0.00	-0.00	-0.00
10	61	-521.2	2171.5	-171.9	0.00	0.23	2.73
	38	437.8	-1824.3	171.9	-0.00	-0.00	-0.01
11	61	-358.1	2641.8	71.2	-0.00	-0.10	3.37
	38	274.8	-2294.6	-71.2	0.00	0.00	-0.01
12	61	-358.1	2641.8	-148.2	0.00	0.20	3.37
	38	274.8	-2294.6	148.2	-0.00	-0.00	-0.01
13	61	-358.1	1492.1	-16.7	-0.00	0.02	1.80
	38	274.8	-1144.8	16.7	0.00	-0.00	-0.00
14	61	-358.1	1492.1	-236.1	0.00	0.32	1.80
	38	274.8	-1144.8	236.1	-0.00	-0.00	-0.00
15	61	-358.1	629.8	52.5	-0.00	-0.07	0.62
	38	274.8	-282.5	-52.5	0.00	0.00	-0.00
16	61	-358.1	629.8	-166.9	0.00	0.23	0.62
	38	274.8	-282.5	166.9	-0.00	-0.00	-0.00
17	61	-358.1	1492.1	86.0	-0.00	-0.12	1.80
	38	274.8	-1144.8	-86.0	0.00	0.00	-0.00
18	61	-358.1	1492.1	-133.4	0.00	0.18	1.80
	38	274.8	-1144.8	133.4	-0.00	-0.00	-0.00
19	61	-358.1	2181.9	139.6	-0.00	-0.19	2.74
	38	274.8	-1834.7	-139.6	0.00	0.00	-0.00
20	61	-358.1	2181.9	-226.1	0.00	0.31	2.74
	38	274.8	-1834.7	226.1	-0.00	-0.00	-0.01
21	61	-358.1	1492.1	86.9	-0.00	-0.12	1.80
	38	274.8	-1144.8	-86.9	0.00	0.00	-0.00
22	61	-358.1	1492.1	-278.8	0.00	0.38	1.80
	38	274.8	-1144.8	278.8	-0.00	-0.00	-0.00
23	61	-358.1	974.7	128.4	-0.00	-0.17	1.09

	38	274.8	-627.5	-128.4	0.00	0.00	-0.00
24	61	-358.1	974.7	-237.3	0.00	0.32	1.09
	38	274.8	-627.5	237.3	-0.00	-0.00	-0.00
25	61	-358.1	1492.1	148.5	-0.00	-0.20	1.80
	38	274.8	-1144.8	-148.5	0.00	0.00	-0.00
26	61	-358.1	1492.1	-217.2	0.00	0.30	1.80
	38	274.8	-1144.8	217.2	-0.00	-0.00	-0.00
27	61	-459.2	1512.3	-207.2	-0.00	0.28	1.88
	38	395.1	-1245.2	207.2	0.00	0.00	-0.00
28	61	-481.7	1509.3	-272.7	-0.00	0.37	1.88
	38	417.6	-1242.2	272.7	0.00	0.00	-0.00
29	61	-355.4	1507.7	-1.8	0.00	0.00	1.88
	38	291.3	-1240.6	1.8	-0.00	0.00	-0.00
30	61	-326.6	1495.7	-0.3	0.00	0.00	1.86
	38	262.5	-1228.6	0.3	-0.00	0.00	-0.00
31	61	-237.9	1489.0	161.5	0.00	-0.22	1.85
	38	173.8	-1221.9	-161.5	-0.00	-0.00	-0.00
32	61	-260.4	1486.0	96.0	0.00	-0.13	1.85
	38	196.3	-1218.9	-96.0	-0.00	-0.00	-0.00
33	61	-430.6	1497.7	-220.1	-0.00	0.30	1.86
	38	366.5	-1230.6	220.1	0.00	-0.00	-0.00
34	61	-364.2	1490.7	-109.5	-0.00	0.15	1.85
	38	300.1	-1223.6	109.5	0.00	-0.00	-0.00
35	61	-251.1	1046.2	-37.0	-0.00	0.05	1.25
	38	187.0	-779.1	37.0	0.00	-0.00	-0.00
36	61	-142.4	1053.2	-13.7	-0.00	0.02	1.25
	38	78.3	-786.0	13.7	0.00	-0.00	-0.00
37	61	-142.4	593.3	-48.8	-0.00	0.07	0.63
	38	78.3	-326.1	48.8	0.00	-0.00	-0.00
38	61	-142.4	248.4	-21.2	-0.00	0.03	0.16
	38	78.3	18.8	21.2	0.00	-0.00	0.00
39	61	-142.4	593.3	-7.8	-0.00	0.01	0.63
	38	78.3	-326.1	7.8	-0.00	-0.00	-0.00
40	61	-142.4	593.3	54.7	-0.00	-0.07	0.63
	38	78.3	-326.1	-54.7	0.00	0.00	-0.00
41	61	-142.4	593.3	-91.6	0.00	0.12	0.63
	38	78.3	-326.1	91.6	-0.00	-0.00	-0.00
42	61	-359.8	1499.2	-55.6	-0.00	0.08	1.86
	38	295.7	-1232.1	55.6	0.00	-0.00	-0.00
43	61	-459.1	1511.2	-213.7	-0.00	0.29	1.88
	38	395.0	-1244.1	213.7	0.00	0.00	-0.00
44	61	-481.2	1508.8	-276.9	-0.00	0.38	1.88
	38	417.1	-1241.7	276.9	0.00	0.00	-0.00
45	61	-356.0	1506.5	-7.2	0.00	0.01	1.87
	38	291.9	-1239.4	7.2	-0.00	0.00	-0.00
46	61	-289.8	1500.0	106.6	0.00	-0.15	1.87
	38	225.7	-1232.9	-106.6	-0.00	0.00	-0.00
47	61	-238.4	1489.6	165.7	0.00	-0.23	1.85
	38	174.3	-1222.5	-165.7	-0.00	-0.00	-0.00
48	61	-260.5	1487.1	102.5	0.00	-0.14	1.85
	38	196.4	-1220.0	-102.5	-0.00	-0.00	-0.00
49	61	-429.8	1498.3	-217.9	-0.00	0.30	1.86
	38	365.7	-1231.2	217.9	0.00	-0.00	-0.00
50	61	-363.6	1491.8	-104.1	-0.00	0.14	1.85
	38	299.5	-1224.7	104.1	0.00	-0.00	-0.00
51	61	-223.3	603.1	-147.2	-0.00	0.20	0.64

	38	159.2	-336.0	147.2	0.00	0.00	-0.00
52	61	-241.4	601.1	-198.9	-0.00	0.27	0.64
	38	177.2	-334.0	198.9	0.00	0.00	-0.00
53	61	-139.2	599.2	21.3	0.00	-0.03	0.64
	38	75.1	-332.1	-21.3	-0.00	0.00	-0.00
54	61	-85.3	593.9	114.1	0.00	-0.16	0.63
	38	21.1	-326.8	-114.1	-0.00	0.00	-0.00
55	61	-43.4	585.4	162.0	0.00	-0.22	0.62
	38	-20.7	-318.3	-162.0	-0.00	-0.00	-0.00
56	61	-61.5	583.4	110.3	0.00	-0.15	0.61
	38	-2.6	-316.3	-110.3	-0.00	-0.00	0.00
57	61	-199.5	592.6	-151.0	-0.00	0.21	0.63
	38	135.4	-325.5	151.0	0.00	-0.00	-0.00
58	61	-145.6	587.3	-58.2	-0.00	0.08	0.62
	38	81.5	-320.2	58.2	0.00	-0.00	-0.00
1	85	142.6	-569.9	2.9	0.01	-0.01	-0.96
	61	-282.6	1153.1	-2.9	-0.01	0.00	-1.01
2	85	753.7	-2819.9	-4.5	0.01	-0.02	-3.65
	61	-893.6	3403.1	4.5	-0.01	0.03	-3.47
3	85	-5519.5	-3903.3	104.1	0.02	-0.06	-4.98
	61	5379.5	4486.4	-104.1	-0.02	-0.17	-4.62
4	85	-5457.0	-2779.8	85.7	0.01	-0.07	-3.61
	61	5317.1	3363.0	-85.7	-0.01	-0.13	-3.42
5	85	-5289.5	-2006.2	91.9	0.01	-0.06	-2.56
	61	5149.5	2589.4	-91.9	-0.01	-0.15	-2.70
6	85	-5311.5	-2825.9	98.6	0.01	-0.06	-3.59
	61	5171.5	3409.0	-98.6	-0.01	-0.17	-3.54
7	85	6790.2	-3909.0	-98.9	0.02	0.03	-5.09
	61	-6930.2	4492.1	98.9	-0.02	0.20	-4.52
8	85	6852.6	-2785.5	-117.2	0.01	0.03	-3.72
	61	-6992.6	3368.6	117.2	-0.01	0.24	-3.32
9	85	7020.2	-2011.9	-111.0	0.01	0.03	-2.67
	61	-7160.1	2595.0	111.0	-0.01	0.22	-2.61
10	85	6998.2	-2831.6	-104.3	0.01	0.03	-3.70
	61	-7138.1	3414.7	104.3	-0.01	0.21	-3.45
11	85	-5903.8	-3502.4	112.5	0.01	-0.06	-4.56
	61	5763.9	4085.6	-112.5	-0.01	-0.20	-4.12
12	85	6405.8	-3508.1	-90.4	0.02	0.03	-4.67
	61	-6545.8	4091.2	90.4	-0.02	0.18	-4.02
13	85	-5799.8	-1630.0	82.0	0.01	-0.07	-2.28
	61	5659.9	2213.1	-82.0	-0.01	-0.12	-2.12
14	85	6509.9	-1635.6	-121.0	0.01	0.03	-2.39
	61	-6649.8	2218.7	121.0	-0.01	0.25	-2.02
15	85	-5520.6	-340.6	92.4	0.00	-0.06	-0.52
	61	5380.6	923.8	-92.4	-0.00	-0.15	-0.93
16	85	6789.1	-346.3	-110.6	0.01	0.03	-0.63
	61	-6929.1	929.4	110.6	-0.01	0.22	-0.83
17	85	-5557.2	-1706.7	103.5	0.01	-0.05	-2.25
	61	5417.3	2289.9	-103.5	-0.01	-0.18	-2.33
18	85	6752.4	-1712.4	-99.4	0.01	0.04	-2.36
	61	-6892.4	2295.5	99.4	-0.01	0.19	-2.23
19	85	-9928.2	-2776.4	175.4	0.01	-0.09	-3.60
	61	9788.2	3359.6	-175.4	-0.01	-0.31	-3.42
20	85	10587.9	-2785.8	-162.8	0.01	0.06	-3.78
	61	-10727.9	3369.0	162.8	-0.01	0.31	-3.26

	85	-9865.8	-1652.9	157.1	0.01	-0.10	-2.23
	61	9725.8	2236.1	-157.1	-0.01	-0.26	-2.22
22	85	10650.3	-1662.4	-181.1	0.01	0.06	-2.41
	61	-10790.3	2245.5	181.1	-0.01	0.35	-2.06
23	85	-9698.2	-879.3	163.3	0.01	-0.09	-1.18
	61	9558.3	1462.5	-163.3	-0.01	-0.28	-1.50
24	85	10817.9	-888.8	-174.9	0.01	0.07	-1.36
	61	-10957.8	1471.9	174.9	-0.01	0.34	-1.34
25	85	-9720.2	-1699.0	170.0	0.01	-0.09	-2.21
	61	9580.3	2282.1	-170.0	-0.01	-0.30	-2.34
26	85	10795.9	-1708.4	-168.2	0.01	0.07	-2.39
	61	-10935.8	2291.6	168.2	-0.01	0.32	-2.18
27	85	1430.3	-1974.1	-97.1	0.01	-0.02	-2.38
	61	-1538.0	2422.7	97.1	-0.01	0.21	-2.65
28	85	795.1	-1988.7	-24.7	0.01	-0.06	-2.36
	61	-902.7	2437.3	24.7	-0.01	0.09	-2.70
29	85	1744.9	-1892.0	-141.3	0.00	0.05	-2.47
	61	-1852.5	2340.5	141.3	-0.00	0.27	-2.38
30	85	320.5	-1860.5	13.9	0.01	-0.00	-2.50
	61	-428.1	2309.0	-13.9	-0.01	-0.02	-2.27
31	85	211.6	-1788.0	18.0	0.01	0.04	-2.58
	61	-319.2	2236.6	-18.0	-0.01	-0.05	-2.03
32	85	-423.7	-1802.6	90.3	0.01	-0.00	-2.56
	61	316.0	2251.2	-90.3	-0.01	-0.17	-2.08
33	85	-372.6	-1940.6	100.0	0.01	-0.09	-2.41
	61	265.0	2389.2	-100.0	-0.01	-0.15	-2.54
34	85	-738.3	-1884.8	134.5	0.01	-0.07	-2.47
	61	630.6	2333.4	-134.5	-0.01	-0.23	-2.35
35	85	299.6	-1138.4	-0.9	0.01	-0.01	-1.57
	61	-407.3	1586.9	0.9	-0.01	0.01	-1.54
36	85	17.1	-1112.5	6.4	0.01	-0.01	-1.60
	61	-124.7	1561.1	-6.4	-0.01	-0.01	-1.46
37	85	58.7	-363.5	-5.9	0.00	-0.01	-0.69
	61	-166.4	812.1	5.9	-0.00	0.02	-0.65
38	85	170.4	152.2	-1.7	0.00	-0.01	0.01
	61	-278.0	296.3	1.7	-0.00	0.01	-0.18
39	85	155.7	-394.2	2.8	0.00	-0.01	-0.68
	61	-263.4	842.8	-2.8	-0.00	-0.00	-0.74
40	85	-4007.3	-386.5	69.3	0.00	-0.04	-0.64
	61	3899.6	835.0	-69.3	-0.00	-0.12	-0.75
41	85	4199.2	-390.2	-66.0	0.00	0.02	-0.72
	61	-4306.8	838.8	66.0	-0.00	0.13	-0.69
42	85	503.3	-1888.4	-3.4	0.01	-0.01	-2.47
	61	-611.0	2336.9	3.4	-0.01	0.02	-2.36
43	85	1450.5	-1974.2	-99.5	0.01	-0.02	-2.38
	61	-1558.1	2422.8	99.5	-0.01	0.22	-2.65
44	85	786.3	-1988.9	-24.4	0.01	-0.07	-2.36
	61	-893.9	2437.4	24.4	-0.01	0.09	-2.70
45	85	1794.8	-1891.9	-146.1	0.00	0.05	-2.47
	61	-1902.4	2340.5	146.1	-0.00	0.28	-2.38
46	85	1425.7	-1836.0	-111.0	0.00	0.07	-2.53
	61	-1533.4	2284.6	111.0	-0.00	0.20	-2.19
47	85	220.3	-1787.9	17.6	0.01	0.04	-2.58
	61	-328.0	2236.4	-17.6	-0.01	-0.05	-2.03
48	85	-443.8	-1802.5	92.7	0.01	-0.00	-2.56
	61	336.2	2251.1	-92.7	-0.01	-0.18	-2.08

	85	-419.1	-1940.8	104.2	0.01	-0.09	-2.41
	61	311.5	2389.3	-104.2	-0.01	-0.16	-2.54
50	85	-788.1	-1884.9	139.4	0.01	-0.07	-2.47
	61	680.5	2333.4	-139.4	-0.01	-0.24	-2.35
51	85	857.0	-458.3	-76.6	0.00	-0.02	-0.61
	61	-964.7	906.8	76.6	-0.00	0.17	-0.95
52	85	324.4	-470.1	-16.0	0.01	-0.05	-0.59
	61	-432.1	918.7	16.0	-0.01	0.06	-0.99
53	85	1132.1	-391.4	-113.8	0.00	0.04	-0.68
	61	-1239.8	839.9	113.8	-0.00	0.21	-0.73
54	85	835.2	-345.9	-85.0	-0.00	0.06	-0.73
	61	-942.9	794.4	85.0	0.00	0.15	-0.58
55	85	-132.5	-306.6	19.3	0.00	0.04	-0.77
	61	24.9	755.2	-19.3	-0.00	-0.05	-0.45
56	85	-665.2	-318.5	79.9	0.00	0.00	-0.75
	61	557.5	767.0	-79.9	-0.00	-0.16	-0.49
57	85	-643.4	-430.9	88.2	0.01	-0.07	-0.63
	61	535.7	879.4	-88.2	-0.01	-0.14	-0.86
58	85	-940.2	-385.4	117.0	0.01	-0.06	-0.68
	61	832.6	833.9	-117.0	-0.01	-0.21	-0.71
1	124	-284.8	1211.0	-16.0	0.01	0.03	1.14
	85	144.9	-627.9	16.0	-0.01	0.01	0.96
2	124	-769.1	3524.8	-34.2	0.01	0.06	3.75
	85	629.1	-2941.6	34.2	-0.01	0.02	3.65
3	124	-7042.2	4758.2	-46.2	0.02	0.04	5.24
	85	6902.2	-4175.1	46.2	-0.02	0.06	4.98
4	124	-6979.8	3564.9	-69.5	0.01	0.09	3.88
	85	6839.8	-2981.8	69.5	-0.01	0.07	3.61
5	124	-6812.2	2600.9	-55.1	0.01	0.06	2.73
	85	6672.3	-2017.8	55.1	-0.01	0.06	2.56
6	124	-6834.2	3518.8	-43.4	0.01	0.04	3.79
	85	6694.3	-2935.7	43.4	-0.01	0.06	3.59
7	124	5267.5	4752.5	-11.7	0.02	0.06	5.12
	85	-5407.4	-4169.4	11.7	-0.02	-0.03	5.09
8	124	5329.9	3559.2	-34.9	0.01	0.11	3.76
	85	-5469.9	-2976.1	34.9	-0.01	-0.03	3.72
9	124	5497.4	2595.2	-20.5	0.01	0.08	2.61
	85	-5637.4	-2012.1	20.5	-0.01	-0.03	2.67
10	124	5475.4	3513.2	-8.8	0.01	0.05	3.67
	85	-5615.4	-2930.0	8.8	-0.01	-0.03	3.70
11	124	-6878.9	4421.7	-33.6	0.01	0.01	4.89
	85	6739.0	-3838.6	33.6	-0.01	0.06	4.56
12	124	5430.8	4416.1	1.0	0.02	0.03	4.77
	85	-5570.7	-3832.9	-1.0	-0.02	-0.03	4.67
13	124	-6774.9	2432.9	-72.4	0.01	0.10	2.62
	85	6634.9	-1849.7	72.4	-0.01	0.07	2.28
14	124	5534.8	2427.2	-37.8	0.01	0.11	2.50
	85	-5674.7	-1844.1	37.8	-0.01	-0.03	2.39
15	124	-6495.6	826.2	-48.3	0.00	0.05	0.70
	85	6355.7	-243.1	48.3	-0.00	0.06	0.52
16	124	5814.0	820.6	-13.7	0.01	0.07	0.58
	85	-5954.0	-237.4	13.7	-0.01	-0.03	0.63
17	124	-6532.3	2356.1	-28.8	0.01	0.01	2.48
	85	6392.4	-1773.0	28.8	-0.01	0.05	2.25
18	124	5777.4	2350.4	5.8	0.01	0.03	2.35

	85	-5917.3	-1767.3	-5.8	-0.01	-0.04	2.36
19	124	-10903.3	3603.2	-48.6	0.01	0.02	3.98
	85	10763.3	-3020.1	48.6	-0.01	0.09	3.60
20	124	9612.8	3593.8	9.0	0.01	0.04	3.77
	85	-9752.8	-3010.7	-9.0	-0.01	-0.06	3.78
21	124	-10840.9	2409.9	-71.9	0.01	0.07	2.61
	85	10700.9	-1826.8	71.9	-0.01	0.10	2.23
22	124	9675.3	2400.5	-14.3	0.01	0.09	2.41
	85	-9815.2	-1817.3	14.3	-0.01	-0.06	2.41
23	124	-10673.3	1445.9	-57.5	0.01	0.04	1.46
	85	10533.4	-862.8	57.5	-0.01	0.09	1.18
24	124	9842.8	1436.5	0.1	0.01	0.06	1.26
	85	-9982.7	-853.4	-0.1	-0.01	-0.07	1.36
25	124	-10695.3	2363.8	-45.8	0.01	0.02	2.53
	85	10555.4	-1780.7	45.8	-0.01	0.09	2.21
26	124	9820.8	2354.4	11.9	0.01	0.04	2.33
	85	-9960.7	-1771.3	-11.9	-0.01	-0.07	2.40
27	124	-866.1	2251.1	-88.2	0.01	0.23	2.25
	85	758.5	-1802.5	88.2	-0.01	0.02	2.38
28	124	-1483.1	2219.3	-111.6	0.01	0.17	2.20
	85	1375.5	-1770.7	111.6	-0.01	0.06	2.36
29	124	304.9	2415.6	-8.3	0.00	0.19	2.54
	85	-412.6	-1967.0	8.3	-0.00	-0.05	2.47
30	124	-336.6	2471.7	-2.5	0.01	-0.00	2.64
	85	229.0	-2023.1	2.5	-0.01	0.00	2.50
31	124	423.1	2615.0	61.8	0.01	-0.08	2.89
	85	-530.7	-2166.4	-61.8	-0.01	-0.04	2.58
32	124	-193.9	2583.1	38.3	0.01	-0.14	2.84
	85	86.3	-2134.6	-38.3	-0.01	0.00	2.56
33	124	-1751.7	2309.5	-86.6	0.01	-0.01	2.36
	85	1644.1	-1860.9	86.6	-0.01	0.09	2.41
34	124	-1365.0	2418.6	-41.6	0.01	-0.10	2.55
	85	1257.3	-1970.1	41.6	-0.01	0.07	2.47
35	124	-368.6	1645.9	-18.9	0.01	0.03	1.68
	85	260.9	-1197.3	18.9	-0.01	0.01	1.57
36	124	-286.0	1695.0	-9.2	0.01	0.01	1.76
	85	178.4	-1246.5	9.2	-0.01	0.01	1.60
37	124	-244.4	899.5	-24.8	0.00	0.05	0.85
	85	136.8	-450.9	24.8	-0.00	0.01	0.69
38	124	-132.7	256.8	-15.1	0.00	0.03	0.09
	85	25.1	191.7	15.1	-0.00	0.01	-0.01
39	124	-147.4	868.8	-7.3	0.00	0.01	0.80
	85	39.7	-420.2	7.3	-0.00	0.01	0.68
40	124	-4310.4	876.5	-24.3	0.00	0.02	0.85
	85	4202.7	-427.9	24.3	-0.00	0.04	0.64
41	124	3896.0	872.7	-1.2	0.00	0.03	0.77
	85	-4003.7	-424.2	1.2	-0.00	-0.02	0.72
42	124	-530.0	2417.1	-24.9	0.01	0.04	2.55
	85	422.4	-1968.6	24.9	-0.01	0.01	2.47
43	124	-875.9	2251.1	-91.1	0.01	0.23	2.25
	85	768.2	-1802.5	91.1	-0.01	0.02	2.38
44	124	-1521.4	2219.6	-113.8	0.01	0.17	2.20
	85	1413.8	-1771.0	113.8	-0.01	0.07	2.36
45	124	345.3	2415.1	-10.3	0.00	0.19	2.54
	85	-452.9	-1966.5	10.3	-0.00	-0.05	2.47
46	124	746.5	2524.2	36.3	0.00	0.10	2.73

	85	-854.1	-2075.6	-36.3	-0.00	-0.07	2.53
47	124	461.4	2614.6	64.0	0.01	-0.08	2.90
	85	-569.0	-2166.1	-64.0	-0.01	-0.04	2.58
48	124	-184.1	2583.1	41.2	0.01	-0.14	2.84
	85	76.5	-2134.6	-41.2	-0.01	0.00	2.56
49	124	-1806.5	2310.1	-86.1	0.01	-0.01	2.36
	85	1698.8	-1861.5	86.1	-0.01	0.09	2.41
50	124	-1405.3	2419.1	-39.6	0.01	-0.10	2.55
	85	1297.6	-1970.6	39.6	-0.01	0.07	2.47
51	124	-484.5	739.4	-66.5	0.00	0.17	0.57
	85	376.9	-290.8	66.5	-0.00	0.02	0.61
52	124	-1001.5	713.6	-85.0	0.01	0.12	0.52
	85	893.8	-265.1	85.0	-0.01	0.05	0.59
53	124	493.7	873.1	-0.9	0.00	0.14	0.80
	85	-601.4	-424.5	0.9	-0.00	-0.04	0.68
54	124	815.2	962.0	36.9	-0.00	0.06	0.96
	85	-922.8	-513.4	-36.9	0.00	-0.06	0.73
55	124	587.1	1035.6	59.5	0.00	-0.08	1.09
	85	-694.8	-587.1	-59.5	-0.00	-0.04	0.77
56	124	70.2	1009.9	41.0	0.00	-0.13	1.05
	85	-177.8	-561.3	-41.0	-0.00	-0.00	0.75
57	124	-1229.5	787.3	-62.5	0.01	-0.02	0.66
	85	1121.9	-338.7	62.5	-0.01	0.07	0.63
58	124	-908.1	876.1	-24.7	0.01	-0.10	0.81
	85	800.4	-427.6	24.7	-0.01	0.06	0.68
1	154	241.6	-756.4	-19.5	0.03	0.01	-0.54
	124	-342.2	1175.7	19.5	-0.03	0.03	-1.05
2	154	907.6	-3063.1	-49.0	0.11	0.01	-2.00
	124	-1008.3	3482.4	49.0	-0.11	0.07	-3.39
3	154	-408.6	-4172.1	22.2	0.15	-0.02	-2.81
	124	308.0	4591.4	-22.2	-0.15	-0.02	-4.40
4	154	-206.7	-3006.3	-24.4	0.11	-0.02	-2.06
	124	106.1	3425.6	24.4	-0.11	0.06	-3.24
5	154	-30.3	-2153.1	0.5	0.08	-0.02	-1.47
	124	-70.4	2572.5	-0.5	-0.08	0.02	-2.42
6	154	-192.9	-3021.0	24.3	0.11	-0.02	-2.04
	124	92.3	3440.3	-24.3	-0.11	-0.02	-3.28
7	154	1813.5	-4261.7	-94.6	0.16	0.03	-2.72
	124	-1914.2	4681.0	94.6	-0.16	0.13	-4.64
8	154	2015.4	-3095.9	-141.2	0.11	0.03	-1.97
	124	-2116.1	3515.2	141.2	-0.11	0.20	-3.47
9	154	2191.9	-2242.8	-116.3	0.08	0.03	-1.38
	124	-2292.5	2662.1	116.3	-0.08	0.16	-2.66
10	154	2029.2	-3110.6	-92.5	0.11	0.03	-1.95
	124	-2129.9	3529.9	92.5	-0.11	0.12	-3.52
11	154	-878.4	-3787.9	45.4	0.14	-0.02	-2.58
	124	777.8	4207.3	-45.4	-0.14	-0.05	-3.99
12	154	1343.7	-3877.6	-71.4	0.14	0.03	-2.49
	124	-1444.4	4296.9	71.4	-0.14	0.09	-4.23
13	154	-541.9	-1844.9	-32.2	0.07	-0.02	-1.34
	124	441.3	2264.2	32.2	-0.07	0.07	-2.04
14	154	1680.2	-1934.5	-149.0	0.08	0.03	-1.25
	124	-1780.9	2353.9	149.0	-0.08	0.22	-2.28
15	154	-247.8	-423.0	9.4	0.02	-0.02	-0.35
	124	147.2	842.3	-9.4	-0.02	-0.00	-0.69

	154	1974.3	-512.6	-107.4	0.02	0.03	-0.26
	124	-2075.0	931.9	107.4	-0.02	0.14	-0.92
17	154	-518.9	-1869.4	49.0	0.07	-0.01	-1.30
	124	418.3	2288.7	-49.0	-0.07	-0.07	-2.12
18	154	1703.2	-1959.0	-67.7	0.07	0.03	-1.22
	124	-1803.9	2378.3	67.7	-0.07	0.08	-2.35
19	154	-1482.3	-2988.8	75.8	0.11	-0.04	-2.11
	124	1381.7	3408.2	-75.8	-0.11	-0.09	-3.16
20	154	2221.2	-3138.2	-118.8	0.12	0.04	-1.96
	124	-2321.9	3557.6	118.8	-0.12	0.15	-3.55
21	154	-1280.4	-1823.0	29.2	0.07	-0.04	-1.36
	124	1179.8	2242.4	-29.2	-0.07	-0.01	-1.99
22	154	2423.1	-1972.4	-165.4	0.08	0.04	-1.21
	124	-2523.8	2391.7	165.4	-0.08	0.23	-2.38
23	154	-1104.0	-969.9	54.2	0.04	-0.03	-0.77
	124	1003.4	1389.2	-54.2	-0.04	-0.06	-1.17
24	154	2599.6	-1119.3	-140.4	0.04	0.05	-0.62
	124	-2700.2	1538.6	140.4	-0.04	0.18	-1.57
25	154	-1266.6	-1837.7	78.0	0.07	-0.03	-1.34
	124	1166.0	2257.0	-78.0	-0.07	-0.10	-2.03
26	154	2436.9	-1987.1	-116.6	0.08	0.05	-1.19
	124	-2537.6	2406.4	116.6	-0.08	0.14	-2.43
27	154	1035.2	-2036.5	-208.1	0.07	-0.00	-1.25
	124	-1112.6	2359.1	208.1	-0.07	0.28	-2.37
28	154	867.2	-2054.4	-165.7	0.07	-0.05	-1.27
	124	-944.6	2377.0	165.7	-0.07	0.35	-2.40
29	154	995.4	-2027.8	-152.0	0.08	0.07	-1.29
	124	-1072.8	2350.3	152.0	-0.08	0.02	-2.29
30	154	513.1	-2068.1	9.5	0.08	0.01	-1.39
	124	-590.5	2390.6	-9.5	-0.08	-0.02	-2.28
31	154	361.2	-2071.3	94.0	0.08	0.06	-1.44
	124	-438.6	2393.9	-94.0	-0.08	-0.24	-2.21
32	154	193.2	-2089.2	136.5	0.08	0.01	-1.46
	124	-270.6	2411.8	-136.5	-0.08	-0.17	-2.23
33	154	435.2	-2087.5	-10.4	0.07	-0.08	-1.36
	124	-512.6	2410.0	10.4	-0.07	0.25	-2.37
34	154	233.0	-2097.9	80.3	0.08	-0.06	-1.42
	124	-310.4	2420.5	-80.3	-0.08	0.09	-2.32
35	154	392.2	-1293.9	-26.0	0.05	0.00	-0.87
	124	-469.6	1616.5	26.0	-0.05	0.04	-1.53
36	154	33.4	-1294.2	-7.7	0.05	0.00	-0.89
	124	-110.8	1616.8	7.7	-0.05	0.01	-1.50
37	154	168.0	-517.0	-38.7	0.02	0.00	-0.39
	124	-245.4	839.6	38.7	-0.02	0.06	-0.72
38	154	285.6	51.7	-22.1	0.00	0.01	0.00
	124	-363.0	270.8	22.1	-0.00	0.03	-0.18
39	154	177.2	-526.8	-6.2	0.02	0.01	-0.38
	124	-254.6	849.4	6.2	-0.02	0.00	-0.75
40	154	-570.5	-495.2	22.8	0.02	-0.01	-0.41
	124	493.1	817.7	-22.8	-0.02	-0.03	-0.67
41	154	910.9	-554.9	-55.1	0.03	0.02	-0.35
	124	-988.3	877.5	55.1	-0.03	0.07	-0.83
42	154	614.2	-2062.9	-35.8	0.08	0.00	-1.36
	124	-691.6	2385.4	35.8	-0.08	0.05	-2.30
43	154	1031.1	-2036.8	-213.0	0.07	-0.00	-1.25
	124	-1108.5	2359.4	213.0	-0.07	0.29	-2.37

	154	858.0	-2055.4	-170.9	0.07	-0.05	-1.27
	124	-935.4	2377.9	170.9	-0.07	0.36	-2.40
45	154	1001.9	-2026.9	-152.9	0.08	0.07	-1.29
	124	-1079.3	2349.5	152.9	-0.08	0.02	-2.29
46	154	803.6	-2037.0	-59.2	0.08	0.09	-1.35
	124	-881.1	2359.6	59.2	-0.08	-0.14	-2.24
47	154	370.4	-2070.3	99.2	0.08	0.06	-1.44
	124	-447.8	2392.9	-99.2	-0.08	-0.25	-2.21
48	154	197.3	-2088.9	141.3	0.08	0.01	-1.46
	124	-274.7	2411.4	-141.3	-0.08	-0.18	-2.23
49	154	424.7	-2088.7	-12.5	0.07	-0.08	-1.36
	124	-502.2	2411.3	12.5	-0.07	0.25	-2.37
50	154	226.5	-2098.8	81.2	0.08	-0.06	-1.42
	124	-304.0	2421.3	-81.2	-0.08	0.09	-2.32
51	154	510.2	-503.9	-160.5	0.02	-0.00	-0.29
	124	-587.6	826.4	160.5	-0.02	0.21	-0.80
52	154	370.3	-518.8	-126.0	0.02	-0.04	-0.31
	124	-447.7	841.4	126.0	-0.02	0.27	-0.82
53	154	484.4	-496.0	-111.7	0.02	0.06	-0.33
	124	-561.8	818.6	111.7	-0.02	-0.00	-0.74
54	154	322.3	-504.2	-35.5	0.03	0.07	-0.38
	124	-399.7	826.8	35.5	-0.03	-0.14	-0.70
55	154	-30.0	-531.2	93.7	0.03	0.05	-0.46
	124	-47.5	853.8	-93.7	-0.03	-0.23	-0.67
56	154	-169.9	-546.2	128.2	0.03	0.01	-0.47
	124	92.5	868.7	-128.2	-0.03	-0.17	-0.69
57	154	18.0	-545.8	3.1	0.02	-0.06	-0.39
	124	-95.4	868.4	-3.1	-0.02	0.18	-0.80
58	154	-144.0	-554.0	79.4	0.02	-0.05	-0.43
	124	66.6	876.6	-79.4	-0.02	0.05	-0.76
1	184	-76.2	567.8	-4.9	0.03	0.01	0.05
	154	-24.4	-148.5	4.9	-0.03	-0.01	0.53
2	184	-197.8	1542.9	-30.6	0.11	0.06	0.21
	154	97.2	-1123.6	30.6	-0.11	-0.01	1.99
3	184	-1514.0	2099.9	-70.2	0.15	0.09	0.32
	154	1413.4	-1680.6	70.2	-0.15	0.02	2.79
4	184	-1312.1	1599.7	-111.3	0.11	0.16	0.24
	154	1211.5	-1180.4	111.3	-0.11	0.02	2.05
5	184	-1135.7	1203.4	-78.9	0.08	0.11	0.17
	154	1035.1	-784.0	78.9	-0.08	0.02	1.46
6	184	-1298.3	1585.0	-56.3	0.11	0.08	0.23
	154	1197.7	-1165.7	56.3	-0.11	0.02	2.03
7	184	708.1	2010.3	19.5	0.16	-0.00	0.26
	154	-808.7	-1590.9	-19.5	-0.16	-0.03	2.70
8	184	910.0	1510.1	-21.6	0.11	0.06	0.18
	154	-1010.6	-1090.8	21.6	-0.11	-0.03	1.96
9	184	1086.4	1113.7	10.8	0.08	0.01	0.12
	154	-1187.1	-694.4	-10.8	-0.08	-0.03	1.37
10	184	923.8	1495.4	33.3	0.11	-0.02	0.18
	154	-1024.4	-1076.1	-33.3	-0.11	-0.03	1.94
11	184	-1590.0	1953.8	-53.9	0.14	0.07	0.30
	154	1489.4	-1534.5	53.9	-0.14	0.02	2.57
12	184	632.1	1864.2	35.8	0.14	-0.03	0.24
	154	-732.8	-1444.9	-35.8	-0.14	-0.03	2.48
13	184	-1253.5	1120.2	-122.3	0.07	0.18	0.17

	154	1152.9	-700.8	122.3	-0.07	0.02	1.33
14	184	968.6	1030.5	-32.7	0.08	0.08	0.11
	154	-1069.2	-611.2	32.7	-0.08	-0.03	1.24
15	184	-959.5	459.6	-68.4	0.02	0.10	0.06
	154	858.8	-40.3	68.4	-0.02	0.02	0.35
16	184	1262.7	370.0	21.3	0.02	-0.00	0.00
	154	-1363.3	49.4	-21.3	-0.02	-0.03	0.26
17	184	-1230.5	1095.7	-30.7	0.07	0.04	0.16
	154	1129.9	-676.4	30.7	-0.07	0.01	1.30
18	184	991.6	1006.1	58.9	0.07	-0.06	0.10
	154	-1092.3	-586.8	-58.9	-0.07	-0.03	1.21
19	184	-2194.0	1642.2	-87.2	0.11	0.11	0.26
	154	2093.3	-1222.9	87.2	-0.11	0.04	2.10
20	184	1509.6	1492.9	62.2	0.12	-0.06	0.17
	154	-1610.2	-1073.5	-62.2	-0.12	-0.04	1.95
21	184	-1992.1	1142.0	-128.3	0.07	0.17	0.18
	154	1891.4	-722.7	128.3	-0.07	0.04	1.35
22	184	1711.5	992.7	21.1	0.08	0.01	0.09
	154	-1812.1	-573.3	-21.1	-0.08	-0.04	1.20
23	184	-1815.6	745.7	-95.9	0.04	0.13	0.12
	154	1715.0	-326.4	95.9	-0.04	0.03	0.76
24	184	1888.0	596.3	53.5	0.04	-0.04	0.02
	154	-1988.6	-177.0	-53.5	-0.04	-0.05	0.61
25	184	-1978.3	1127.4	-73.4	0.07	0.09	0.18
	154	1877.6	-708.0	73.4	-0.07	0.03	1.33
26	184	1725.3	978.0	76.1	0.08	-0.08	0.08
	154	-1825.9	-558.7	-76.1	-0.08	-0.05	1.18
27	184	81.9	1007.1	-156.1	0.07	0.26	0.13
	154	-159.3	-684.5	156.1	-0.07	0.00	1.24
28	184	-57.7	995.7	-252.6	0.07	0.38	0.12
	154	-19.7	-673.1	252.6	-0.07	0.05	1.26
29	184	140.5	1066.1	84.1	0.08	-0.08	0.15
	154	-217.9	-743.6	-84.1	-0.08	-0.07	1.29
30	184	-181.6	1086.3	32.6	0.08	-0.04	0.14
	154	104.2	-763.7	-32.6	-0.08	-0.01	1.38
31	184	-216.0	1137.7	208.4	0.08	-0.30	0.16
	154	138.6	-815.1	-208.4	-0.08	-0.06	1.44
32	184	-355.6	1126.3	111.9	0.08	-0.18	0.15
	154	278.2	-803.7	-111.9	-0.08	-0.01	1.46
33	184	-324.9	1028.1	-237.6	0.07	0.33	0.12
	154	247.5	-705.5	237.6	-0.07	0.08	1.35
34	184	-414.2	1067.3	-128.3	0.08	0.16	0.13
	154	336.8	-744.7	128.3	-0.08	0.06	1.41
35	184	-96.4	741.7	-13.5	0.05	0.03	0.09
	154	19.0	-419.1	13.5	-0.05	-0.00	0.87
36	184	-192.6	758.1	-1.5	0.05	0.00	0.09
	154	115.2	-435.6	1.5	-0.05	-0.00	0.89
37	184	-58.0	424.7	-28.9	0.02	0.05	0.04
	154	-19.4	-102.1	28.9	-0.02	-0.00	0.39
38	184	59.6	160.4	-7.3	0.00	0.02	-0.00
	154	-137.0	162.1	7.3	-0.00	-0.01	-0.00
39	184	-48.8	414.9	7.8	0.02	-0.01	0.04
	154	-28.6	-92.3	-7.8	-0.02	-0.01	0.38
40	184	-796.6	446.5	-34.9	0.02	0.05	0.06
	154	719.1	-124.0	34.9	-0.02	0.01	0.41
41	184	684.9	386.8	24.9	0.03	-0.02	0.02

	154	-762.3	-64.2	-24.9	-0.03	-0.02	0.35
42	184	-136.9	1066.7	-22.1	0.08	0.04	0.14
	154	59.5	-744.1	22.1	-0.08	-0.00	1.35
43	184	82.2	1007.0	-161.1	0.07	0.27	0.13
	154	-159.6	-684.5	161.1	-0.07	0.00	1.24
44	184	-63.5	995.8	-262.7	0.07	0.39	0.12
	154	-13.9	-673.3	262.7	-0.07	0.05	1.26
45	184	149.7	1065.8	90.3	0.08	-0.08	0.15
	154	-227.1	-743.3	-90.3	-0.08	-0.07	1.29
46	184	62.0	1105.0	204.1	0.08	-0.26	0.16
	154	-139.4	-782.4	-204.1	-0.08	-0.09	1.35
47	184	-210.3	1137.6	218.5	0.08	-0.31	0.16
	154	132.9	-815.0	-218.5	-0.08	-0.06	1.44
48	184	-356.0	1126.4	116.9	0.08	-0.19	0.15
	154	278.6	-803.8	-116.9	-0.08	-0.01	1.46
49	184	-335.8	1028.4	-248.3	0.07	0.34	0.12
	154	258.4	-705.9	248.3	-0.07	0.08	1.35
50	184	-423.5	1067.6	-134.5	0.08	0.16	0.13
	154	346.1	-745.0	134.5	-0.08	0.06	1.41
51	184	121.5	368.1	-117.5	0.02	0.20	0.03
	154	-198.9	-45.5	117.5	-0.02	0.00	0.29
52	184	4.4	359.0	-198.6	0.02	0.30	0.03
	154	-81.8	-36.4	198.6	-0.02	0.04	0.31
53	184	174.9	415.9	84.2	0.02	-0.09	0.05
	154	-252.3	-93.3	-84.2	-0.02	-0.06	0.33
54	184	103.6	447.8	176.1	0.03	-0.23	0.06
	154	-181.0	-125.2	-176.1	-0.03	-0.07	0.38
55	184	-116.1	474.3	188.6	0.03	-0.27	0.05
	154	38.7	-151.8	-188.6	-0.03	-0.05	0.45
56	184	-233.2	465.2	107.5	0.03	-0.17	0.05
	154	155.8	-142.7	-107.5	-0.03	-0.01	0.47
57	184	-215.3	385.5	-186.0	0.02	0.25	0.02
	154	137.9	-63.0	186.0	-0.02	0.06	0.38
58	184	-286.6	417.4	-94.2	0.02	0.11	0.03
	154	209.2	-94.8	94.2	-0.02	0.05	0.43
1	183	-95.7	483.4	14.1	0.00	-0.02	-0.05
	153	-4.9	-64.1	-14.1	-0.00	0.00	0.51
2	183	-189.3	1246.0	13.2	-0.00	-0.02	-0.18
	153	88.7	-826.7	-13.2	0.00	0.00	1.89
3	183	197.0	1678.5	99.9	-0.00	-0.16	-0.24
	153	-297.6	-1259.2	-99.9	0.00	-0.01	2.66
4	183	363.1	1289.9	80.1	-0.00	-0.12	-0.18
	153	-463.8	-870.6	-80.1	0.00	-0.01	1.95
5	183	507.5	987.7	134.9	-0.00	-0.21	-0.12
	153	-608.2	-568.4	-134.9	0.00	-0.01	1.40
6	183	364.1	1281.4	138.8	-0.00	-0.22	-0.18
	153	-464.7	-862.1	-138.8	0.00	-0.01	1.94
7	183	-910.9	1602.7	-112.9	-0.00	0.17	-0.26
	153	810.3	-1183.4	112.9	0.00	0.01	2.55
8	183	-744.7	1214.2	-132.8	-0.00	0.21	-0.19
	153	644.1	-794.8	132.8	0.00	0.01	1.84
9	183	-600.3	912.0	-78.0	0.00	0.12	-0.14
	153	499.7	-492.6	78.0	-0.00	0.01	1.29
10	183	-743.8	1205.6	-74.0	0.00	0.11	-0.19
	153	643.1	-786.3	74.0	-0.00	0.01	1.83

	183	132.0	1560.3	87.2	-0.00	-0.13	-0.22
	153	-232.6	-1141.0	-87.2	0.00	-0.01	2.45
12	183	-975.9	1484.5	-125.7	-0.00	0.19	-0.24
	153	875.3	-1065.2	125.7	0.00	0.01	2.33
13	183	408.9	912.7	54.1	-0.00	-0.08	-0.11
	153	-509.5	-493.4	-54.1	0.00	-0.01	1.27
14	183	-699.0	836.9	-158.8	-0.00	0.25	-0.12
	153	598.3	-417.6	158.8	0.00	0.01	1.16
15	183	649.6	409.0	145.5	0.00	-0.23	-0.03
	153	-750.2	10.3	-145.5	-0.00	-0.01	0.35
16	183	-458.3	333.2	-67.4	0.00	0.10	-0.04
	153	357.7	86.1	67.4	-0.00	0.01	0.24
17	183	410.5	898.5	152.0	0.00	-0.24	-0.11
	153	-511.2	-479.2	-152.0	-0.00	-0.01	1.25
18	183	-697.3	822.7	-60.8	0.00	0.09	-0.12
	153	596.7	-403.4	60.8	-0.00	0.01	1.13
19	183	613.0	1322.5	171.3	-0.00	-0.26	-0.17
	153	-713.7	-903.1	-171.3	0.00	-0.02	2.01
20	183	-1233.4	1196.2	-183.4	0.00	0.28	-0.20
	153	1132.8	-776.9	183.4	-0.00	0.02	1.82
21	183	779.2	933.9	151.4	-0.00	-0.23	-0.11
	153	-879.8	-514.6	-151.4	0.00	-0.02	1.30
22	183	-1067.2	807.6	-203.3	0.00	0.31	-0.13
	153	966.6	-388.3	203.3	-0.00	0.02	1.11
23	183	923.6	631.7	206.3	-0.00	-0.32	-0.06
	153	-1024.2	-212.4	-206.3	0.00	-0.02	0.75
24	183	-922.8	505.4	-148.5	0.00	0.23	-0.08
	153	822.2	-86.1	148.5	-0.00	0.02	0.56
25	183	780.2	925.4	210.2	-0.00	-0.33	-0.11
	153	-880.8	-506.1	-210.2	0.00	-0.02	1.28
26	183	-1066.3	799.1	-144.6	0.00	0.22	-0.13
	153	965.6	-379.8	144.6	-0.00	0.02	1.10
27	183	-57.2	803.3	-96.4	-0.00	0.16	-0.11
	153	-20.3	-480.8	96.4	0.00	0.01	1.17
28	183	-36.7	816.4	-184.6	-0.00	0.27	-0.11
	153	-40.7	-493.9	184.6	0.00	0.05	1.19
29	183	-142.0	825.9	110.5	0.01	-0.13	-0.12
	153	64.6	-503.3	-110.5	-0.01	-0.06	1.21
30	183	-160.3	880.1	52.8	0.00	-0.08	-0.13
	153	82.9	-557.5	-52.8	-0.00	-0.01	1.31
31	183	-231.5	911.3	200.9	0.00	-0.29	-0.13
	153	154.1	-588.7	-200.9	-0.00	-0.05	1.37
32	183	-211.1	924.4	112.8	0.00	-0.19	-0.13
	153	133.7	-601.8	-112.8	-0.00	-0.01	1.39
33	183	-73.9	869.5	-183.3	-0.01	0.23	-0.12
	153	-3.5	-546.9	183.3	0.01	0.08	1.29
34	183	-126.2	901.9	-94.1	-0.01	0.10	-0.13
	153	48.8	-579.3	94.1	0.01	0.06	1.35
35	183	-102.9	609.7	8.5	0.00	-0.01	-0.08
	153	25.5	-287.1	-8.5	-0.00	0.00	0.82
36	183	-183.5	618.6	-4.4	0.00	0.01	-0.08
	153	106.1	-296.0	4.4	-0.00	0.00	0.84
37	183	-72.7	359.5	-17.7	0.00	0.03	-0.04
	153	-4.7	-37.0	17.7	-0.00	0.00	0.37
38	183	23.5	158.1	18.9	0.00	-0.03	-0.00
	153	-100.9	164.5	-18.9	-0.00	-0.00	-0.00

	183	-72.1	353.9	21.5	0.00	-0.03	-0.04
	153	-5.3	-31.3	-21.5	-0.00	-0.00	0.36
40	183	297.6	380.7	79.7	0.00	-0.12	-0.03
	153	-375.0	-58.2	-79.7	-0.00	-0.01	0.40
41	183	-441.0	330.2	-62.2	0.00	0.09	-0.04
	153	363.6	-7.7	62.2	-0.00	0.01	0.32
42	183	-134.1	863.9	8.2	-0.00	-0.01	-0.12
	153	56.7	-541.3	-8.2	0.00	0.00	1.28
43	183	-55.8	802.3	-99.3	0.00	0.16	-0.11
	153	-21.6	-479.7	99.3	-0.00	0.01	1.17
44	183	-35.8	815.4	-191.9	0.00	0.27	-0.11
	153	-41.6	-492.9	191.9	-0.00	0.05	1.19
45	183	-140.9	825.4	116.3	0.01	-0.13	-0.12
	153	63.5	-502.9	-116.3	-0.01	-0.06	1.21
46	183	-193.9	858.4	208.6	0.01	-0.27	-0.12
	153	116.5	-535.9	-208.6	-0.01	-0.08	1.27
47	183	-232.5	912.3	208.3	-0.00	-0.30	-0.13
	153	155.0	-589.7	-208.3	0.00	-0.05	1.37
48	183	-212.5	925.5	115.7	-0.00	-0.19	-0.13
	153	135.1	-602.9	-115.7	0.00	-0.01	1.39
49	183	-74.3	869.3	-192.2	-0.01	0.24	-0.12
	153	-3.1	-546.7	192.2	0.01	0.08	1.29
50	183	-127.3	902.3	-99.9	-0.01	0.10	-0.13
	153	49.9	-579.8	99.9	0.01	0.06	1.35
51	183	-7.9	305.3	-78.2	0.00	0.13	-0.03
	153	-69.5	17.3	78.2	-0.00	0.01	0.27
52	183	8.4	316.0	-152.2	0.00	0.22	-0.03
	153	-85.8	6.5	152.2	-0.00	0.04	0.29
53	183	-77.4	324.1	94.8	0.01	-0.11	-0.03
	153	-0.0	-1.5	-94.8	-0.01	-0.05	0.30
54	183	-120.6	351.0	169.2	0.01	-0.22	-0.04
	153	43.2	-28.4	-169.2	-0.01	-0.06	0.35
55	183	-151.9	394.9	169.7	0.00	-0.25	-0.05
	153	74.5	-72.4	-169.7	-0.00	-0.04	0.43
56	183	-135.5	405.7	95.7	-0.00	-0.16	-0.05
	153	58.1	-83.2	-95.7	0.00	-0.01	0.45
57	183	-22.9	360.0	-151.7	-0.00	0.19	-0.04
	153	-54.5	-37.5	151.7	0.00	0.06	0.37
58	183	-66.1	386.9	-77.3	-0.01	0.08	-0.04
	153	-11.3	-64.4	77.3	0.01	0.05	0.41
1	153	222.2	-841.0	15.8	0.00	-0.00	-0.51
	123	-322.8	1260.4	-15.8	-0.00	-0.03	-1.22
2	153	916.5	-3361.3	17.2	-0.00	-0.00	-1.91
	123	-1017.1	3780.7	-17.2	0.00	-0.03	-3.96
3	153	1302.7	-4595.4	86.7	-0.00	0.01	-2.70
	123	-1403.4	5014.7	-86.7	0.00	-0.15	-5.21
4	153	1468.9	-3317.4	65.2	-0.00	0.01	-1.98
	123	-1569.5	3736.7	-65.2	0.00	-0.12	-3.82
5	153	1613.3	-2369.7	120.5	-0.00	0.01	-1.42
	123	-1713.9	2789.0	-120.5	0.00	-0.21	-2.82
6	153	1469.8	-3325.9	122.0	-0.00	0.01	-1.97
	123	-1570.5	3745.3	-122.0	0.00	-0.21	-3.85
7	153	194.9	-4671.1	-89.8	-0.00	-0.01	-2.58
	123	-295.5	5090.5	89.8	0.00	0.16	-5.45
8	153	361.0	-3393.2	-111.3	-0.00	-0.01	-1.87

	123	-461.7	3812.5	111.3	0.00	0.20	-4.06
9	153	505.4	-2445.5	-56.0	0.00	-0.01	-1.31
	123	-606.1	2864.8	56.0	-0.00	0.10	-3.06
10	153	362.0	-3401.7	-54.5	0.00	-0.01	-1.85
	123	-462.6	3821.0	54.5	-0.00	0.10	-4.09
11	153	843.8	-4183.2	73.5	-0.00	0.01	-2.48
	123	-944.4	4602.5	-73.5	0.00	-0.13	-4.75
12	153	-264.1	-4258.9	-103.0	-0.00	-0.01	-2.37
	123	163.4	4678.3	103.0	0.00	0.18	-4.99
13	153	1120.7	-2053.2	37.7	-0.00	0.01	-1.29
	123	-1221.4	2472.5	-37.7	0.00	-0.07	-2.44
14	153	12.9	-2129.0	-138.8	-0.00	-0.01	-1.17
	123	-113.5	2548.3	138.8	0.00	0.24	-2.67
15	153	1361.4	-473.7	129.8	0.00	0.01	-0.36
	123	-1462.0	893.1	-129.8	-0.00	-0.23	-0.77
16	153	253.5	-549.5	-46.7	0.00	-0.01	-0.25
	123	-354.2	968.8	46.7	-0.00	0.09	-1.00
17	153	1122.3	-2067.4	132.4	0.00	0.01	-1.26
	123	-1223.0	2486.7	-132.4	-0.00	-0.23	-2.48
18	153	14.5	-2143.2	-44.1	0.00	-0.01	-1.15
	123	-115.1	2562.5	44.1	-0.00	0.08	-2.72
19	153	1324.9	-3310.0	144.8	-0.00	0.02	-2.03
	123	-1425.5	3729.3	-144.8	0.00	-0.26	-3.76
20	153	-521.6	-3436.2	-149.3	0.00	-0.02	-1.85
	123	420.9	3855.6	149.3	-0.00	0.27	-4.15
21	153	1491.0	-2032.0	123.3	-0.00	0.02	-1.32
	123	-1591.7	2451.3	-123.3	0.00	-0.22	-2.37
22	153	-355.4	-2158.3	-170.9	0.00	-0.02	-1.13
	123	254.8	2577.6	170.9	-0.00	0.30	-2.77
23	153	1635.4	-1084.3	178.6	-0.00	0.02	-0.76
	123	-1736.1	1503.6	-178.6	0.00	-0.31	-1.37
24	153	-211.0	-1210.6	-115.6	0.00	-0.02	-0.57
	123	110.4	1629.9	115.6	-0.00	0.21	-1.76
25	153	1492.0	-2040.5	180.2	-0.00	0.02	-1.30
	123	-1592.6	2459.8	-180.2	0.00	-0.32	-2.40
26	153	-354.5	-2166.8	-114.0	0.00	-0.02	-1.12
	123	253.8	2586.1	114.0	-0.00	0.21	-2.80
27	153	920.7	-2240.1	-128.1	-0.00	-0.01	-1.19
	123	-998.1	2562.7	128.1	0.00	0.17	-2.76
28	153	1003.5	-2230.9	-92.8	-0.00	-0.05	-1.21
	123	-1080.9	2553.5	92.8	0.00	0.23	-2.74
29	153	582.6	-2272.7	-84.4	0.01	0.06	-1.23
	123	-660.0	2595.2	84.4	-0.01	-0.05	-2.74
30	153	513.7	-2275.9	47.1	0.00	0.01	-1.33
	123	-591.1	2598.5	-47.1	-0.00	-0.08	-2.68
31	153	230.9	-2302.3	114.3	0.00	0.05	-1.39
	123	-308.3	2624.8	-114.3	-0.00	-0.26	-2.65
32	153	313.7	-2293.0	149.5	0.00	0.01	-1.41
	123	-391.1	2615.6	-149.5	-0.00	-0.20	-2.63
33	153	858.7	-2241.8	33.1	-0.01	-0.08	-1.31
	123	-936.1	2564.4	-33.1	0.01	0.15	-2.69
34	153	651.8	-2260.5	105.8	-0.01	-0.06	-1.37
	123	-729.2	2583.0	-105.8	0.01	0.02	-2.65
35	153	385.8	-1426.5	10.3	0.00	-0.00	-0.83
	123	-463.2	1749.0	-10.3	-0.00	-0.02	-1.78
36	153	42.5	-1434.3	-2.7	0.00	-0.00	-0.85

	123	-119.9	1756.9	2.7	-0.00	0.01	-1.78
37	153	153.3	-582.3	-17.0	0.00	-0.00	-0.37
	123	-230.7	904.9	17.0	-0.00	0.03	-0.85
38	153	249.6	49.5	19.8	0.00	0.00	0.00
	123	-327.0	273.1	-19.8	-0.00	-0.03	-0.18
39	153	154.0	-588.0	20.9	0.00	0.00	-0.36
	123	-231.4	910.6	-20.9	-0.00	-0.04	-0.87
40	153	523.6	-561.1	68.6	0.00	0.01	-0.40
	123	-601.0	883.7	-68.6	-0.00	-0.12	-0.79
41	153	-215.0	-611.6	-49.0	0.00	-0.01	-0.33
	123	137.6	934.2	49.0	-0.00	0.09	-0.95
42	153	617.2	-2266.6	10.7	-0.00	-0.00	-1.30
	123	-694.6	2589.1	-10.7	0.00	-0.02	-2.70
43	153	1007.3	-2240.5	-130.2	0.00	-0.01	-1.18
	123	-1084.7	2563.1	130.2	-0.00	0.17	-2.76
44	153	925.9	-2232.2	-95.6	0.00	-0.05	-1.21
	123	-1003.3	2554.7	95.6	-0.00	0.23	-2.75
45	153	857.6	-2271.5	-84.1	0.01	0.06	-1.23
	123	-935.0	2594.0	84.1	-0.01	-0.05	-2.74
46	153	648.0	-2289.6	-10.0	0.01	0.08	-1.29
	123	-725.4	2612.2	10.0	-0.01	-0.18	-2.71
47	153	308.5	-2301.0	117.0	-0.00	0.05	-1.39
	123	-385.9	2623.6	-117.0	0.00	-0.27	-2.65
48	153	227.1	-2292.6	151.7	-0.00	0.01	-1.41
	123	-304.5	2615.2	-151.7	0.00	-0.20	-2.63
49	153	586.4	-2243.5	31.4	-0.01	-0.08	-1.31
	123	-663.8	2566.1	-31.4	0.01	0.15	-2.69
50	153	376.8	-2261.7	105.6	-0.01	-0.06	-1.37
	123	-454.2	2584.2	-105.6	0.01	0.02	-2.65
51	153	472.3	-565.2	-105.0	0.00	-0.01	-0.27
	123	-549.7	887.7	105.0	-0.00	0.14	-0.92
52	153	405.7	-558.3	-76.6	0.00	-0.04	-0.29
	123	-483.2	880.9	76.6	-0.00	0.19	-0.91
53	153	350.7	-590.4	-67.6	0.01	0.05	-0.31
	123	-428.1	912.9	67.6	-0.01	-0.05	-0.90
54	153	179.9	-605.2	-7.2	0.01	0.06	-0.36
	123	-257.3	927.7	7.2	-0.01	-0.15	-0.87
55	153	-97.1	-614.4	96.2	0.00	0.04	-0.44
	123	19.7	937.0	-96.2	-0.00	-0.22	-0.83
56	153	-163.7	-607.6	124.6	-0.00	0.01	-0.46
	123	86.3	930.2	-124.6	0.00	-0.17	-0.81
57	153	128.8	-567.6	26.9	-0.00	-0.06	-0.37
	123	-206.2	890.2	-26.9	0.00	0.12	-0.86
58	153	-42.1	-582.4	87.2	-0.01	-0.05	-0.42
	123	-35.3	904.9	-87.2	0.01	0.01	-0.83
1	123	-277.5	1216.3	-2.7	0.00	-0.01	1.14
	84	137.5	-633.1	2.7	-0.00	0.01	0.97
2	123	-723.3	3545.0	-7.1	0.00	-0.01	3.76
	84	583.4	-2961.9	7.1	-0.00	0.02	3.68
3	123	2024.6	4787.4	26.4	0.00	-0.09	5.27
	84	-2164.6	-4204.2	-26.4	-0.00	0.03	5.02
4	123	2103.7	3579.1	16.1	0.01	-0.07	3.88
	84	-2243.6	-2996.0	-16.1	-0.01	0.03	3.64
5	123	2172.2	2645.9	45.9	0.00	-0.13	2.80
	84	-2312.1	-2062.8	-45.9	-0.00	0.03	2.59

	123	2090.4	3566.8	46.0	0.00	-0.13	3.86
	84	-2230.4	-2983.6	-46.0	-0.00	0.02	3.63
7	123	-3624.5	4747.0	-62.3	0.00	0.12	5.08
	84	3484.6	-4163.9	62.3	-0.00	0.02	5.12
8	123	-3545.5	3538.8	-72.6	0.00	0.14	3.69
	84	3405.5	-2955.6	72.6	-0.00	0.02	3.74
9	123	-3477.0	2605.5	-42.8	0.00	0.08	2.61
	84	3337.0	-2022.4	42.8	-0.00	0.02	2.69
10	123	-3558.7	3526.4	-42.7	0.00	0.08	3.67
	84	3418.8	-2943.3	42.7	-0.00	0.01	3.73
11	123	2196.4	4437.8	21.4	0.00	-0.07	4.89
	84	-2336.4	-3854.7	-21.4	-0.00	0.03	4.59
12	123	-3452.7	4397.5	-67.3	0.00	0.14	4.70
	84	3312.8	-3814.3	67.3	-0.00	0.02	4.69
13	123	2328.2	2424.1	4.2	0.00	-0.04	2.59
	84	-2468.1	-1840.9	-4.2	-0.00	0.03	2.29
14	123	-3321.0	2383.7	-84.5	0.00	0.17	2.40
	84	3181.0	-1800.6	84.5	-0.00	0.02	2.39
15	123	2442.4	868.6	53.8	0.00	-0.14	0.78
	84	-2582.3	-285.5	-53.8	-0.00	0.02	0.54
16	123	-3206.8	828.3	-34.9	0.00	0.07	0.59
	84	3066.8	-245.2	34.9	-0.00	0.01	0.64
17	123	2306.1	2403.4	54.1	0.00	-0.14	2.55
	84	-2446.1	-1820.3	-54.1	-0.00	0.02	2.28
18	123	-3343.0	2363.1	-34.6	0.00	0.07	2.36
	84	3203.1	-1780.0	34.6	-0.00	0.01	2.38
19	123	4130.6	3636.5	58.2	0.00	-0.16	4.02
	84	-4270.5	-3053.3	-58.2	-0.00	0.03	3.64
20	123	-5284.7	3569.2	-89.7	0.00	0.19	3.70
	84	5144.7	-2986.1	89.7	-0.00	0.01	3.80
21	123	4209.6	2428.2	47.9	0.00	-0.14	2.63
	84	-4349.6	-1845.1	-47.9	-0.00	0.03	2.25
22	123	-5205.6	2361.0	-100.0	0.00	0.21	2.32
	84	5065.7	-1777.8	100.0	-0.00	0.01	2.42
23	123	4278.1	1495.0	77.6	0.00	-0.20	1.55
	84	-4418.1	-911.8	-77.6	-0.00	0.02	1.21
24	123	-5137.1	1427.7	-70.2	0.00	0.15	1.23
	84	4997.1	-844.6	70.2	-0.00	0.01	1.37
25	123	4196.4	2415.8	77.8	0.00	-0.20	2.61
	84	-4336.4	-1832.7	-77.8	-0.00	0.02	2.25
26	123	-5218.8	2348.6	-70.1	0.00	0.15	2.30
	84	5078.9	-1765.5	70.1	-0.00	0.01	2.41
27	123	-551.2	2293.3	-57.5	0.00	0.14	2.30
	84	443.5	-1844.7	57.5	-0.00	0.03	2.43
28	123	-568.1	2260.2	-76.4	0.01	0.09	2.24
	84	460.4	-1811.6	76.4	-0.01	0.07	2.41
29	123	-489.5	2440.2	7.3	0.00	0.12	2.57
	84	381.8	-1991.6	-7.3	-0.00	-0.04	2.50
30	123	-481.6	2477.7	12.2	0.00	-0.04	2.64
	84	374.0	-2029.2	-12.2	-0.00	0.01	2.51
31	123	-431.2	2602.5	64.4	-0.00	-0.10	2.87
	84	323.5	-2154.0	-64.4	0.00	-0.04	2.57
32	123	-448.1	2569.4	45.4	0.00	-0.15	2.81
	84	340.4	-2120.8	-45.4	-0.00	0.00	2.55
33	123	-545.8	2329.7	-55.9	0.01	-0.05	2.37
	84	438.1	-1881.2	55.9	-0.01	0.09	2.44

	123	-509.8	2422.5	-19.4	0.01	-0.12	2.54
	84	402.1	-1973.9	19.4	-0.01	0.07	2.48
35	123	-351.0	1655.1	-4.6	0.00	-0.00	1.69
	84	243.4	-1206.5	4.6	-0.00	0.01	1.59
36	123	-253.5	1693.7	-10.3	0.00	0.01	1.75
	84	145.9	-1245.1	10.3	-0.00	0.01	1.61
37	123	-200.8	888.2	-17.2	0.00	0.03	0.83
	84	93.2	-439.6	17.2	-0.00	0.01	0.69
38	123	-155.1	266.0	2.6	0.00	-0.02	0.10
	84	47.5	182.6	-2.6	-0.00	0.01	-0.01
39	123	-209.6	879.9	2.7	0.00	-0.01	0.81
	84	102.0	-431.3	-2.7	-0.00	0.01	0.69
40	123	1680.6	892.3	26.5	0.00	-0.07	0.87
	84	-1788.3	-443.7	-26.5	-0.00	0.01	0.65
41	123	-2085.5	865.4	-32.7	0.00	0.07	0.75
	84	1977.8	-416.8	32.7	-0.00	0.01	0.72
42	123	-499.6	2431.3	-6.0	0.00	-0.00	2.56
	84	392.0	-1982.8	6.0	-0.00	0.02	2.49
43	123	-548.8	2291.0	-59.0	0.00	0.14	2.30
	84	441.2	-1842.5	59.0	-0.00	0.03	2.43
44	123	-565.6	2258.2	-77.5	0.01	0.09	2.24
	84	458.0	-1809.7	77.5	-0.01	0.07	2.41
45	123	-488.9	2439.0	6.1	0.00	0.12	2.57
	84	381.2	-1990.4	-6.1	-0.00	-0.04	2.50
46	123	-454.3	2533.0	43.4	-0.00	0.04	2.75
	84	346.6	-2084.5	-43.4	0.00	-0.06	2.54
47	123	-433.6	2604.5	65.4	-0.00	-0.10	2.88
	84	326.0	-2155.9	-65.4	0.00	-0.04	2.57
48	123	-450.4	2571.6	46.9	0.00	-0.15	2.82
	84	342.8	-2123.1	-46.9	-0.00	0.00	2.55
49	123	-545.0	2329.7	-55.5	0.01	-0.05	2.37
	84	437.3	-1881.1	55.5	-0.01	0.10	2.44
50	123	-510.4	2423.7	-18.2	0.01	-0.12	2.54
	84	402.7	-1975.1	18.2	-0.01	0.08	2.49
51	123	-242.5	764.7	-46.2	0.00	0.12	0.60
	84	134.8	-316.1	46.2	-0.00	0.02	0.63
52	123	-256.1	738.1	-61.1	0.00	0.07	0.55
	84	148.4	-289.6	61.1	-0.00	0.06	0.62
53	123	-193.9	884.8	6.7	-0.00	0.09	0.82
	84	86.2	-436.2	-6.7	0.00	-0.04	0.69
54	123	-165.7	961.3	37.0	-0.00	0.03	0.96
	84	58.1	-512.7	-37.0	0.00	-0.05	0.73
55	123	-148.8	1019.6	54.9	-0.00	-0.08	1.07
	84	41.1	-571.0	-54.9	0.00	-0.03	0.75
56	123	-162.3	993.0	39.9	0.00	-0.12	1.02
	84	54.7	-544.5	-39.9	-0.00	0.00	0.74
57	123	-239.1	796.4	-43.2	0.00	-0.04	0.66
	84	131.4	-347.9	43.2	-0.00	0.08	0.65
58	123	-210.9	872.9	-12.9	0.00	-0.10	0.80
	84	103.3	-424.3	12.9	-0.00	0.06	0.68
1	84	150.1	-565.1	22.3	0.00	-0.01	-0.97
	60	-290.0	1148.2	-22.3	-0.00	-0.04	-0.99
2	84	799.9	-2801.6	32.0	0.00	-0.02	-3.68
	60	-939.8	3384.7	-32.0	-0.00	-0.05	-3.39
3	84	3547.8	-3876.7	76.7	0.00	-0.03	-5.02

	60	-3687.7	4459.8	-76.7	-0.00	-0.15	-4.51
4	84	3626.8	-2767.4	70.6	0.01	-0.03	-3.64
	60	-3766.8	3350.6	-70.6	-0.01	-0.13	-3.36
5	84	3695.4	-1962.5	91.0	0.00	-0.03	-2.59
	60	-3835.3	2545.7	-91.0	-0.00	-0.18	-2.56
6	84	3613.6	-2779.8	87.4	0.00	-0.02	-3.63
	60	-3753.6	3362.9	-87.4	-0.00	-0.18	-3.39
7	84	-2101.4	-3917.1	-28.5	0.00	-0.02	-5.12
	60	1961.4	4500.2	28.5	-0.00	0.08	-4.51
8	84	-2022.3	-2807.8	-34.6	0.00	-0.02	-3.74
	60	1882.4	3390.9	34.6	-0.00	0.10	-3.35
9	84	-1953.8	-2002.9	-14.1	0.00	-0.02	-2.69
	60	1813.8	2586.0	14.1	-0.00	0.05	-2.56
10	84	-2035.5	-2820.1	-17.8	0.00	-0.01	-3.73
	60	1895.6	3403.3	17.8	-0.00	0.05	-3.39
11	84	3171.8	-3488.7	66.6	0.00	-0.03	-4.60
	60	-3311.7	4071.8	-66.6	-0.00	-0.13	-4.05
12	84	-2477.4	-3529.0	-38.6	0.00	-0.02	-4.69
	60	2337.4	4112.2	38.6	-0.00	0.10	-4.05
13	84	3303.5	-1639.9	56.4	0.00	-0.03	-2.29
	60	-3443.5	2223.0	-56.4	-0.00	-0.10	-2.13
14	84	-2345.6	-1680.2	-48.8	0.00	-0.02	-2.39
	60	2205.7	2263.4	48.8	-0.00	0.13	-2.12
15	84	3417.7	-298.4	90.5	0.00	-0.02	-0.54
	60	-3557.7	881.5	-90.5	-0.00	-0.19	-0.81
16	84	-2231.4	-338.7	-14.7	0.00	-0.01	-0.64
	60	2091.5	921.9	14.7	-0.00	0.05	-0.80
17	84	3281.5	-1660.5	84.4	0.00	-0.02	-2.28
	60	-3421.4	2243.6	-84.4	-0.00	-0.18	-2.19
18	84	-2367.7	-1700.8	-20.7	0.00	-0.01	-2.38
	60	2227.7	2284.0	20.7	-0.00	0.06	-2.18
19	84	5105.9	-2745.0	106.9	0.00	-0.03	-3.64
	60	-5245.9	3328.1	-106.9	-0.00	-0.22	-3.31
20	84	-4309.3	-2812.3	-68.4	0.00	-0.01	-3.80
	60	4169.4	3395.4	68.4	-0.00	0.17	-3.30
21	84	5185.0	-1635.7	100.8	0.00	-0.03	-2.26
	60	-5324.9	2218.9	-100.8	-0.00	-0.20	-2.15
22	84	-4230.3	-1703.0	-74.5	0.00	-0.01	-2.42
	60	4090.3	2286.1	74.5	-0.00	0.19	-2.15
23	84	5253.5	-830.8	121.2	0.00	-0.02	-1.21
	60	-5393.4	1414.0	-121.2	-0.00	-0.25	-1.36
24	84	-4161.7	-898.1	-54.0	0.00	-0.01	-1.37
	60	4021.8	1481.2	54.0	-0.00	0.13	-1.35
25	84	5171.8	-1648.1	117.6	0.00	-0.02	-2.25
	60	-5311.7	2231.2	-117.6	-0.00	-0.25	-2.19
26	84	-4243.5	-1715.4	-57.7	0.00	-0.01	-2.41
	60	4103.5	2298.5	57.7	-0.00	0.14	-2.18
27	84	881.4	-1935.4	37.1	0.00	-0.03	-2.43
	60	-989.0	2384.0	-37.1	-0.00	-0.08	-2.51
28	84	792.6	-1949.7	105.2	0.01	-0.07	-2.41
	60	-900.2	2398.3	-105.2	-0.01	-0.20	-2.55
29	84	773.0	-1871.7	-76.5	0.00	0.04	-2.50
	60	-880.6	2320.3	76.5	-0.00	0.13	-2.31
30	84	443.1	-1855.2	7.7	0.00	-0.01	-2.51
	60	-550.7	2303.8	-7.7	-0.00	-0.00	-2.25
31	84	275.4	-1801.1	-60.4	-0.00	0.04	-2.58

	60	-383.1	2249.6	60.4	0.00	0.13	-2.07
32	84	186.6	-1815.4	7.7	0.00	-0.00	-2.56
	60	-294.2	2263.9	-7.7	-0.00	0.01	-2.11
33	84	476.8	-1919.4	150.5	0.01	-0.09	-2.44
	60	-584.5	2367.9	-150.5	-0.01	-0.26	-2.45
34	84	295.0	-1879.1	121.3	0.01	-0.07	-2.49
	60	-402.7	2327.6	-121.3	-0.01	-0.20	-2.32
35	84	317.4	-1129.9	19.2	0.00	-0.01	-1.59
	60	-425.0	1578.5	-19.2	-0.00	-0.03	-1.51
36	84	49.7	-1114.6	10.7	0.00	-0.01	-1.61
	60	-157.3	1563.2	-10.7	-0.00	-0.01	-1.45
37	84	102.4	-375.1	6.6	0.00	-0.01	-0.69
	60	-210.0	823.7	-6.6	-0.00	-0.00	-0.68
38	84	148.0	161.5	20.2	0.00	-0.01	0.01
	60	-255.7	287.1	-20.2	-0.00	-0.04	-0.15
39	84	93.6	-383.3	17.8	0.00	-0.01	-0.69
	60	-201.2	831.9	-17.8	-0.00	-0.03	-0.70
40	84	1983.8	-371.0	51.0	0.00	-0.01	-0.66
	60	-2091.5	819.5	-51.0	-0.00	-0.10	-0.71
41	84	-1782.3	-397.9	-19.1	0.00	-0.01	-0.72
	60	1674.6	846.4	19.1	-0.00	0.05	-0.70
42	84	534.0	-1875.4	22.4	0.00	-0.02	-2.49
	60	-641.6	2323.9	-22.4	-0.00	-0.03	-2.31
43	84	886.9	-1936.0	36.0	0.00	-0.03	-2.43
	60	-994.6	2384.6	-36.0	-0.00	-0.08	-2.51
44	84	799.1	-1950.5	106.9	0.01	-0.07	-2.41
	60	-906.8	2399.1	-106.9	-0.01	-0.20	-2.56
45	84	773.1	-1871.6	-81.0	0.00	0.04	-2.50
	60	-880.7	2320.2	81.0	-0.00	0.14	-2.31
46	84	587.6	-1830.9	-110.4	-0.00	0.06	-2.54
	60	-695.3	2279.4	110.4	0.00	0.20	-2.17
47	84	268.9	-1800.3	-62.1	-0.00	0.04	-2.57
	60	-376.5	2248.8	62.1	0.00	0.13	-2.07
48	84	181.0	-1814.8	8.8	0.00	-0.00	-2.56
	60	-288.7	2263.3	-8.8	-0.00	0.01	-2.11
49	84	480.3	-1919.9	155.2	0.01	-0.10	-2.44
	60	-588.0	2368.5	-155.2	-0.01	-0.27	-2.45
50	84	294.9	-1879.2	125.8	0.01	-0.08	-2.49
	60	-402.6	2327.7	-125.8	-0.01	-0.21	-2.32
51	84	388.7	-433.7	27.2	0.00	-0.02	-0.64
	60	-496.4	882.3	-27.2	-0.00	0.11	-0.87
52	84	316.9	-445.3	84.3	0.00	-0.06	-0.62
	60	-424.5	893.9	-84.3	-0.00	0.01	-0.90
53	84	296.1	-381.6	-67.3	-0.00	0.04	-0.69
	60	-403.8	830.2	67.3	0.00	0.16	-0.70
54	84	144.9	-348.5	-91.2	-0.00	0.05	-0.73
	60	-252.6	797.1	91.2	0.00	0.11	-0.59
55	84	-115.3	-323.5	-52.5	-0.00	0.03	-0.75
	60	7.7	772.0	52.5	0.00	-0.06	-0.51
56	84	-187.2	-335.1	4.6	0.00	-0.00	-0.74
	60	79.5	783.6	-4.6	-0.00	-0.16	-0.54
57	84	56.6	-420.3	123.1	0.00	-0.08	-0.65
	60	-164.3	868.8	-123.1	-0.00	-0.16	-0.82
58	84	-94.6	-387.2	99.1	0.00	-0.06	-0.68
	60	-13.1	835.8	-99.1	-0.00	-0.21	-0.71

	64	-195.1	812.8	2.5	-0.00	-0.00	0.87
	41	111.7	-465.5	-2.5	-0.00	-0.00	-0.00
2	64	-521.3	2172.1	-9.5	-0.00	0.01	2.73
	41	438.0	-1824.9	9.5	0.00	-0.00	-0.00
3	64	-521.3	2862.2	-234.6	0.00	0.32	3.67
	41	438.0	-2514.9	234.6	-0.00	0.00	-0.00
4	64	-521.3	2172.1	-242.1	0.00	0.33	2.73
	41	438.0	-1824.9	242.1	-0.00	0.00	-0.00
5	64	-521.3	1654.6	-230.3	0.00	0.31	2.02
	41	438.0	-1307.3	230.3	-0.00	0.00	-0.00
6	64	-521.3	2172.1	-225.3	0.00	0.31	2.73
	41	438.0	-1824.9	225.3	-0.00	0.00	-0.00
7	64	-521.3	2862.2	211.0	-0.00	-0.29	3.67
	41	438.0	-2514.9	-211.0	0.00	-0.00	-0.00
8	64	-521.3	2172.1	203.5	-0.00	-0.28	2.73
	41	438.0	-1824.9	-203.5	-0.00	-0.00	-0.00
9	64	-521.3	1654.6	215.3	-0.00	-0.29	2.02
	41	438.0	-1307.3	-215.3	0.00	-0.00	-0.00
10	64	-521.3	2172.1	220.3	-0.00	-0.30	2.73
	41	438.0	-1824.9	-220.3	-0.00	-0.00	-0.00
11	64	-358.2	2642.5	-230.2	0.00	0.31	3.37
	41	274.8	-2295.3	230.2	-0.00	0.00	-0.00
12	64	-358.2	2642.5	215.4	-0.00	-0.29	3.37
	41	274.8	-2295.3	-215.4	0.00	-0.00	-0.00
13	64	-358.2	1492.5	-242.7	0.00	0.33	1.80
	41	274.8	-1145.2	242.7	-0.00	0.00	-0.00
14	64	-358.2	1492.5	202.9	-0.00	-0.28	1.80
	41	274.8	-1145.2	-202.9	-0.00	-0.00	-0.00
15	64	-358.2	629.9	-223.0	0.00	0.30	0.62
	41	274.8	-282.6	223.0	-0.00	0.00	-0.00
16	64	-358.2	629.9	222.6	-0.00	-0.30	0.62
	41	274.8	-282.6	-222.6	0.00	-0.00	-0.00
17	64	-358.2	1492.5	-214.6	0.00	0.29	1.80
	41	274.8	-1145.2	214.6	-0.00	0.00	-0.00
18	64	-358.2	1492.5	231.0	-0.00	-0.31	1.80
	41	274.8	-1145.2	-231.0	-0.00	-0.00	-0.00
19	64	-358.2	2182.5	-377.1	0.00	0.51	2.74
	41	274.8	-1835.3	377.1	-0.00	0.00	-0.00
20	64	-358.2	2182.5	365.5	-0.00	-0.50	2.74
	41	274.8	-1835.3	-365.5	0.00	-0.00	-0.00
21	64	-358.2	1492.5	-384.6	0.00	0.52	1.80
	41	274.8	-1145.2	384.6	-0.00	0.00	-0.00
22	64	-358.2	1492.5	358.0	-0.00	-0.49	1.80
	41	274.8	-1145.2	-358.0	-0.00	-0.00	-0.00
23	64	-358.2	974.9	-372.8	0.00	0.51	1.09
	41	274.8	-627.7	372.8	-0.00	0.00	-0.00
24	64	-358.2	974.9	369.8	-0.00	-0.50	1.09
	41	274.8	-627.7	-369.8	0.00	-0.00	-0.00
25	64	-358.2	1492.5	-367.8	0.00	0.50	1.80
	41	274.8	-1145.2	367.8	-0.00	0.00	-0.00
26	64	-358.2	1492.5	374.8	-0.00	-0.51	1.80
	41	274.8	-1145.2	-374.8	-0.00	-0.00	-0.00
27	64	-480.7	1513.9	-55.6	0.00	0.08	1.88
	41	416.6	-1246.8	55.6	-0.00	-0.00	-0.00
28	64	-498.0	1517.7	-100.7	0.00	0.14	1.89
	41	433.9	-1250.6	100.7	-0.00	-0.00	-0.00

	64	-369.8	1498.1	47.7	-0.00	-0.07	1.86
	41	305.7	-1231.0	-47.7	0.00	0.00	-0.00
30	64	-321.1	1494.7	15.8	-0.00	-0.02	1.86
	41	257.0	-1227.6	-15.8	0.00	0.00	-0.00
31	64	-221.8	1481.5	89.0	-0.00	-0.12	1.84
	41	157.7	-1214.4	-89.0	0.00	0.00	-0.00
32	64	-239.1	1485.3	43.9	-0.00	-0.06	1.84
	41	175.0	-1218.1	-43.9	0.00	0.00	-0.00
33	64	-427.6	1510.7	-102.8	0.00	0.14	1.88
	41	363.5	-1243.6	102.8	-0.00	-0.00	-0.00
34	64	-350.0	1501.0	-59.4	0.00	0.08	1.87
	41	285.9	-1233.9	59.4	-0.00	-0.00	-0.00
35	64	-251.2	1046.5	-1.8	-0.00	0.00	1.25
	41	187.0	-779.4	1.8	0.00	-0.00	-0.00
36	64	-142.4	1053.4	0.6	-0.00	-0.00	1.25
	41	78.3	-786.3	-0.6	0.00	-0.00	-0.00
37	64	-142.4	593.4	-4.4	0.00	0.01	0.63
	41	78.3	-326.3	4.4	-0.00	0.00	-0.00
38	64	-142.4	248.3	3.5	0.00	-0.00	0.16
	41	78.3	18.8	-3.5	-0.00	0.00	-0.00
39	64	-142.4	593.4	6.8	-0.00	-0.01	0.63
	41	78.3	-326.3	-6.8	-0.00	0.00	-0.00
40	64	-142.4	593.4	-146.4	0.00	0.20	0.63
	41	78.3	-326.3	146.4	-0.00	0.00	-0.00
41	64	-142.4	593.4	150.7	-0.00	-0.21	0.63
	41	78.3	-326.3	-150.7	0.00	-0.00	-0.00
42	64	-359.9	1499.6	-5.8	-0.00	0.01	1.86
	41	295.8	-1232.5	5.8	0.00	0.00	-0.00
43	64	-476.6	1512.8	-54.9	0.00	0.07	1.88
	41	412.5	-1245.6	54.9	-0.00	-0.00	-0.00
44	64	-493.1	1515.7	-97.0	0.00	0.13	1.89
	41	429.0	-1248.6	97.0	-0.00	-0.00	-0.00
45	64	-370.0	1499.0	43.3	-0.00	-0.06	1.86
	41	305.9	-1231.9	-43.3	0.00	0.00	-0.00
46	64	-295.0	1490.2	85.3	-0.00	-0.12	1.85
	41	230.9	-1223.1	-85.3	0.00	0.00	-0.00
47	64	-226.7	1483.4	85.3	-0.00	-0.12	1.84
	41	162.6	-1216.3	-85.3	0.00	0.00	-0.00
48	64	-243.2	1486.4	43.2	-0.00	-0.06	1.84
	41	179.1	-1219.3	-43.2	0.00	0.00	-0.00
49	64	-424.8	1508.9	-97.0	0.00	0.13	1.88
	41	360.7	-1241.8	97.0	-0.00	-0.00	-0.00
50	64	-349.8	1500.1	-55.0	0.00	0.07	1.86
	41	285.7	-1233.0	55.0	-0.00	-0.00	-0.00
51	64	-237.6	604.1	-37.9	0.00	0.05	0.64
	41	173.5	-337.0	37.9	-0.00	-0.00	-0.00
52	64	-251.0	606.5	-72.1	0.00	0.10	0.65
	41	186.9	-339.4	72.1	-0.00	-0.00	-0.00
53	64	-150.6	592.9	42.2	-0.00	-0.06	0.63
	41	86.5	-325.8	-42.2	0.00	0.00	-0.00
54	64	-89.5	585.8	76.5	-0.00	-0.10	0.62
	41	25.4	-318.6	-76.5	0.00	0.00	-0.00
55	64	-33.8	580.2	76.5	-0.00	-0.10	0.61
	41	-30.3	-313.1	-76.5	0.00	0.00	0.00
56	64	-47.2	582.6	42.2	-0.00	-0.06	0.61
	41	-16.9	-315.5	-42.2	0.00	0.00	0.00

	64	-195.3	601.0	-72.1	0.00	0.10	0.64
	41	131.2	-333.9	72.1	-0.00	-0.00	-0.00
58	64	-134.2	593.8	-37.8	0.00	0.05	0.63
	41	70.1	-326.7	37.8	-0.00	-0.00	0.00
1	65	-195.0	812.7	-38.0	-0.00	0.05	0.87
	42	111.7	-465.4	38.0	0.00	0.00	-0.00
2	65	-521.2	2171.5	-90.4	-0.00	0.12	2.73
	42	437.8	-1824.3	90.4	0.00	-0.00	-0.00
3	65	-521.2	2861.4	-257.2	-0.00	0.35	3.67
	42	437.8	-2514.1	257.2	0.00	-0.00	-0.00
4	65	-521.2	2171.5	-300.4	-0.00	0.41	2.72
	42	437.8	-1824.3	300.4	0.00	-0.00	-0.00
5	65	-521.2	1654.2	-319.4	-0.00	0.44	2.02
	42	437.8	-1306.9	319.4	0.00	-0.00	-0.00
6	65	-521.2	2171.5	-286.9	-0.00	0.39	2.73
	42	437.8	-1824.3	286.9	0.00	-0.00	-0.00
7	65	-521.2	2861.4	147.4	0.00	-0.20	3.67
	42	437.8	-2514.1	-147.4	-0.00	0.00	-0.00
8	65	-521.2	2171.5	104.2	0.00	-0.14	2.72
	42	437.8	-1824.3	-104.2	-0.00	0.00	-0.00
9	65	-521.2	1654.2	85.2	0.00	-0.12	2.02
	42	437.8	-1306.9	-85.2	-0.00	0.00	-0.00
10	65	-521.2	2171.5	117.7	0.00	-0.16	2.72
	42	437.8	-1824.3	-117.7	-0.00	0.00	-0.00
11	65	-358.1	2641.8	-207.2	-0.00	0.28	3.37
	42	274.8	-2294.6	207.2	0.00	-0.00	-0.00
12	65	-358.1	2641.8	197.4	0.00	-0.27	3.37
	42	274.8	-2294.6	-197.4	-0.00	0.00	-0.00
13	65	-358.1	1492.1	-279.4	-0.00	0.38	1.80
	42	274.8	-1144.8	279.4	0.00	-0.00	-0.00
14	65	-358.1	1492.1	125.2	0.00	-0.17	1.80
	42	274.8	-1144.8	-125.2	-0.00	0.00	-0.00
15	65	-358.1	629.8	-311.0	-0.00	0.42	0.62
	42	274.8	-282.5	311.0	0.00	-0.00	-0.00
16	65	-358.1	629.8	93.6	0.00	-0.13	0.62
	42	274.8	-282.5	-93.6	-0.00	0.00	-0.00
17	65	-358.1	1492.1	-256.8	-0.00	0.35	1.80
	42	274.8	-1144.8	256.8	0.00	-0.00	-0.00
18	65	-358.1	1492.1	147.8	0.00	-0.20	1.80
	42	274.8	-1144.8	-147.8	-0.00	0.00	-0.00
19	65	-358.1	2181.9	-365.8	-0.00	0.50	2.74
	42	274.8	-1834.7	365.8	0.00	-0.00	-0.00
20	65	-358.1	2181.9	308.5	0.00	-0.42	2.74
	42	274.8	-1834.7	-308.5	-0.00	0.00	-0.00
21	65	-358.1	1492.1	-409.1	-0.00	0.56	1.80
	42	274.8	-1144.8	409.1	0.00	-0.00	-0.00
22	65	-358.1	1492.1	265.2	0.00	-0.36	1.80
	42	274.8	-1144.8	-265.2	-0.00	0.00	-0.00
23	65	-358.1	974.7	-428.1	-0.00	0.58	1.09
	42	274.8	-627.5	428.1	0.00	-0.00	-0.00
24	65	-358.1	974.7	246.3	0.00	-0.34	1.09
	42	274.8	-627.5	-246.3	-0.00	0.00	-0.00
25	65	-358.1	1492.1	-395.5	-0.00	0.54	1.80
	42	274.8	-1144.8	395.5	0.00	-0.00	-0.00
26	65	-358.1	1492.1	278.8	0.00	-0.38	1.80

	42	274.8	-1144.8	-278.8	-0.00	0.00	-0.00
27	65	-472.2	1515.7	-159.5	-0.00	0.22	1.89
	42	408.1	-1248.6	159.5	-0.00	0.00	-0.00
28	65	-486.3	1520.1	-201.3	-0.00	0.27	1.89
	42	422.2	-1253.0	201.3	-0.00	0.00	-0.00
29	65	-372.2	1497.4	-28.5	-0.00	0.04	1.86
	42	308.1	-1230.3	28.5	-0.00	0.00	-0.00
30	65	-324.0	1493.6	-27.7	-0.00	0.04	1.85
	42	259.9	-1226.4	27.7	-0.00	0.00	-0.00
31	65	-233.3	1478.2	75.4	-0.00	-0.10	1.83
	42	169.2	-1211.1	-75.4	-0.00	-0.00	-0.00
32	65	-247.4	1482.6	33.6	-0.00	-0.05	1.84
	42	183.3	-1215.5	-33.6	-0.00	-0.00	-0.00
33	65	-419.1	1512.2	-167.8	0.00	0.23	1.88
	42	355.0	-1245.0	167.8	-0.00	-0.00	-0.00
34	65	-347.4	1500.9	-97.4	0.00	0.13	1.86
	42	283.3	-1233.8	97.4	-0.00	-0.00	-0.00
35	65	-251.1	1046.2	-45.4	-0.00	0.06	1.24
	42	187.0	-779.1	45.4	0.00	0.00	-0.00
36	65	-142.4	1053.2	-4.3	-0.00	0.01	1.25
	42	78.3	-786.0	4.3	0.00	0.00	-0.00
37	65	-142.4	593.3	-33.1	-0.00	0.05	0.63
	42	78.3	-326.1	33.1	0.00	-0.00	-0.00
38	65	-142.4	248.4	-45.8	-0.00	0.06	0.16
	42	78.3	18.8	45.8	0.00	0.00	-0.00
39	65	-142.4	593.3	-24.1	-0.00	0.03	0.63
	42	78.3	-326.1	24.1	0.00	0.00	-0.00
40	65	-142.4	593.3	-162.8	-0.00	0.22	0.63
	42	78.3	-326.1	162.8	0.00	-0.00	-0.00
41	65	-142.4	593.3	106.9	0.00	-0.15	0.63
	42	78.3	-326.1	-106.9	-0.00	0.00	-0.00
42	65	-359.8	1499.2	-62.9	-0.00	0.09	1.86
	42	295.7	-1232.1	62.9	0.00	0.00	-0.00
43	65	-467.8	1514.7	-158.2	-0.00	0.22	1.88
	42	403.7	-1247.6	158.2	0.00	0.00	-0.00
44	65	-481.2	1518.8	-197.3	-0.00	0.27	1.89
	42	417.1	-1251.7	197.3	-0.00	0.00	-0.00
45	65	-372.0	1497.6	-32.2	0.00	0.04	1.86
	42	307.9	-1230.5	32.2	0.00	0.00	-0.00
46	65	-303.2	1487.1	36.7	0.00	-0.05	1.85
	42	239.0	-1220.0	-36.7	0.00	0.00	-0.00
47	65	-238.4	1479.5	71.5	-0.00	-0.10	1.83
	42	174.3	-1212.4	-71.5	0.00	-0.00	-0.00
48	65	-251.8	1483.6	32.4	-0.00	-0.04	1.84
	42	187.7	-1216.5	-32.4	0.00	-0.00	-0.00
49	65	-416.5	1511.3	-162.6	0.00	0.22	1.88
	42	352.3	-1244.2	162.6	-0.00	-0.00	-0.00
50	65	-347.6	1500.7	-93.7	0.00	0.13	1.86
	42	283.5	-1233.6	93.7	-0.00	-0.00	-0.00
51	65	-230.4	605.9	-105.7	-0.00	0.14	0.64
	42	166.3	-338.8	105.7	0.00	0.00	-0.00
52	65	-241.3	609.2	-137.6	-0.00	0.19	0.65
	42	177.2	-342.1	137.6	0.00	0.00	-0.00
53	65	-152.3	592.1	-2.9	-0.00	0.00	0.63
	42	88.2	-324.9	2.9	0.00	0.00	-0.00
54	65	-96.2	583.5	53.3	-0.00	-0.07	0.61

	42	32.1	-316.4	-53.3	0.00	0.00	-0.00
55	65	-43.4	577.3	81.7	-0.00	-0.11	0.60
	42	-20.7	-310.2	-81.7	0.00	-0.00	0.00
56	65	-54.3	580.6	49.8	0.00	-0.07	0.61
	42	-9.8	-313.5	-49.8	0.00	-0.00	0.00
57	65	-188.6	603.1	-109.2	0.00	0.15	0.64
	42	124.5	-335.9	109.2	-0.00	-0.00	-0.00
58	65	-132.5	594.5	-53.0	0.00	0.07	0.63
	42	68.4	-327.4	53.0	-0.00	-0.00	0.00
1	67	-195.0	812.7	42.1	0.00	-0.06	0.87
	44	111.7	-465.4	-42.1	-0.00	-0.00	-0.00
2	67	-521.2	2171.5	82.4	-0.00	-0.11	2.73
	44	437.8	-1824.3	-82.4	0.00	-0.00	-0.00
3	67	-521.2	2861.4	-438.0	-0.00	0.60	3.67
	44	437.8	-2514.1	438.0	0.00	0.00	-0.00
4	67	-521.2	2171.5	-407.2	-0.00	0.55	2.73
	44	437.8	-1824.3	407.2	0.00	0.00	-0.00
5	67	-521.2	1654.2	-403.5	-0.00	0.55	2.02
	44	437.8	-1306.9	403.5	0.00	0.00	-0.00
6	67	-521.2	2171.5	-415.1	-0.00	0.57	2.73
	44	437.8	-1824.3	415.1	0.00	0.00	-0.00
7	67	-521.2	2861.4	562.1	0.00	-0.77	3.67
	44	437.8	-2514.1	-562.1	-0.00	-0.00	-0.00
8	67	-521.2	2171.5	592.8	0.00	-0.81	2.72
	44	437.8	-1824.3	-592.8	-0.00	-0.00	-0.00
9	67	-521.2	1654.2	596.6	0.00	-0.81	2.02
	44	437.8	-1306.9	-596.6	-0.00	-0.00	-0.00
10	67	-521.2	2171.5	584.9	0.00	-0.80	2.73
	44	437.8	-1824.3	-584.9	-0.00	-0.00	-0.00
11	67	-358.1	2641.8	-471.7	-0.00	0.64	3.37
	44	274.8	-2294.6	471.7	0.00	0.00	-0.00
12	67	-358.1	2641.8	528.4	0.00	-0.72	3.37
	44	274.8	-2294.6	-528.4	-0.00	-0.00	-0.00
13	67	-358.1	1492.1	-420.4	-0.00	0.57	1.80
	44	274.8	-1144.8	420.4	0.00	0.00	-0.00
14	67	-358.1	1492.1	579.6	0.00	-0.79	1.80
	44	274.8	-1144.8	-579.6	-0.00	-0.00	-0.00
15	67	-358.1	629.8	-414.1	-0.00	0.56	0.62
	44	274.8	-282.5	414.1	0.00	0.00	-0.00
16	67	-358.1	629.8	585.9	0.00	-0.80	0.62
	44	274.8	-282.5	-585.9	-0.00	-0.00	-0.00
17	67	-358.1	1492.1	-433.6	-0.00	0.59	1.80
	44	274.8	-1144.8	433.6	0.00	0.00	-0.00
18	67	-358.1	1492.1	566.4	0.00	-0.77	1.80
	44	274.8	-1144.8	-566.4	-0.00	-0.00	-0.00
19	67	-358.1	2181.9	-791.5	-0.00	1.08	2.74
	44	274.8	-1834.7	791.5	0.00	0.00	-0.00
20	67	-358.1	2181.9	875.3	0.00	-1.19	2.74
	44	274.8	-1834.7	-875.3	-0.00	-0.00	-0.00
21	67	-358.1	1492.1	-760.7	-0.00	1.04	1.80
	44	274.8	-1144.8	760.7	0.00	0.00	-0.00
22	67	-358.1	1492.1	906.0	0.00	-1.23	1.80
	44	274.8	-1144.8	-906.0	-0.00	-0.00	-0.00
23	67	-358.1	974.7	-757.0	-0.00	1.03	1.09
	44	274.8	-627.5	757.0	0.00	0.00	-0.00

	67	-358.1	974.7	909.8	0.00	-1.24	1.09
	44	274.8	-627.5	-909.8	-0.00	-0.00	-0.00
25	67	-358.1	1492.1	-768.6	-0.00	1.05	1.80
	44	274.8	-1144.8	768.6	0.00	0.00	-0.00
26	67	-358.1	1492.1	898.1	0.00	-1.22	1.80
	44	274.8	-1144.8	-898.1	-0.00	-0.00	-0.00
27	67	-483.3	1521.1	136.6	-0.00	-0.19	1.89
	44	419.2	-1254.0	-136.6	0.00	-0.00	-0.00
28	67	-469.7	1517.7	104.3	0.00	-0.14	1.89
	44	405.6	-1250.6	-104.3	-0.00	-0.00	-0.00
29	67	-417.5	1510.9	131.7	-0.00	-0.18	1.88
	44	353.3	-1243.7	-131.7	0.00	-0.00	-0.00
30	67	-324.8	1493.1	41.3	-0.00	-0.06	1.85
	44	260.7	-1226.0	-41.3	0.00	0.00	-0.00
31	67	-249.9	1480.6	14.8	-0.00	-0.02	1.84
	44	185.8	-1213.5	-14.8	0.00	0.00	-0.00
32	67	-236.3	1477.3	-17.5	-0.00	0.02	1.83
	44	172.2	-1210.2	17.5	0.00	0.00	-0.00
33	67	-372.2	1499.6	23.9	0.00	-0.03	1.86
	44	308.1	-1232.5	-23.9	-0.00	0.00	-0.00
34	67	-302.2	1487.5	-12.6	0.00	0.02	1.85
	44	238.0	-1220.4	12.6	-0.00	0.00	-0.00
35	67	-251.1	1046.2	46.1	-0.00	-0.06	1.24
	44	187.0	-779.1	-46.1	0.00	-0.00	-0.00
36	67	-142.4	1053.2	19.1	-0.00	-0.03	1.25
	44	78.3	-786.0	-19.1	0.00	-0.00	-0.00
37	67	-142.4	593.3	39.6	0.00	-0.05	0.63
	44	78.3	-326.1	-39.6	-0.00	0.00	-0.00
38	67	-142.4	248.4	42.1	0.00	-0.06	0.16
	44	78.3	18.8	-42.1	-0.00	-0.00	-0.00
39	67	-142.4	593.3	34.3	0.00	-0.05	0.63
	44	78.3	-326.1	-34.3	-0.00	-0.00	-0.00
40	67	-142.4	593.3	-300.7	-0.00	0.41	0.63
	44	78.3	-326.1	300.7	0.00	0.00	-0.00
41	67	-142.4	593.3	366.0	0.00	-0.50	0.63
	44	78.3	-326.1	-366.0	-0.00	-0.00	-0.00
42	67	-359.8	1499.2	59.5	-0.00	-0.08	1.86
	44	295.7	-1232.1	-59.5	0.00	-0.00	-0.00
43	67	-477.0	1518.9	127.5	-0.00	-0.17	1.89
	44	412.9	-1251.7	-127.5	0.00	-0.00	-0.00
44	67	-464.4	1515.8	98.5	0.00	-0.13	1.89
	44	400.3	-1248.7	-98.5	0.00	-0.00	-0.00
45	67	-414.2	1509.7	124.0	-0.00	-0.17	1.88
	44	350.1	-1242.5	-124.0	0.00	-0.00	-0.00
46	67	-347.6	1498.8	92.0	-0.00	-0.13	1.86
	44	283.5	-1231.6	-92.0	0.00	-0.00	-0.00
47	67	-255.2	1482.5	20.6	-0.00	-0.03	1.84
	44	191.1	-1215.4	-20.6	0.00	0.00	-0.00
48	67	-242.6	1479.5	-8.5	-0.00	0.01	1.84
	44	178.5	-1212.4	8.5	0.00	0.00	-0.00
49	67	-372.0	1499.6	27.1	0.00	-0.04	1.86
	44	307.9	-1232.5	-27.1	-0.00	0.00	-0.00
50	67	-305.4	1488.7	-5.0	0.00	0.01	1.85
	44	241.3	-1221.6	5.0	-0.00	0.00	-0.00
51	67	-238.0	609.3	88.0	0.00	-0.12	0.65
	44	173.9	-342.2	-88.0	-0.00	-0.00	-0.00

	67	-227.6	606.8	64.3	0.00	-0.09	0.65
	44	163.5	-339.7	-64.3	-0.00	-0.00	-0.00
53	67	-186.7	601.8	85.1	-0.00	-0.12	0.64
	44	122.6	-334.7	-85.1	0.00	-0.00	-0.00
54	67	-132.5	592.9	59.0	-0.00	-0.08	0.63
	44	68.4	-325.8	-59.0	0.00	-0.00	0.00
55	67	-57.1	579.7	1.0	-0.00	-0.00	0.61
	44	-7.0	-312.6	-1.0	-0.00	0.00	0.00
56	67	-46.8	577.2	-22.6	-0.00	0.03	0.60
	44	-17.3	-310.1	22.6	-0.00	0.00	0.00
57	67	-152.3	593.6	6.3	0.00	-0.01	0.63
	44	88.2	-326.5	-6.3	-0.00	0.00	-0.00
58	67	-98.1	584.7	-19.8	0.00	0.03	0.62
	44	33.9	-317.6	19.8	-0.00	0.00	-0.00
1	66	-195.0	812.5	1.3	-0.00	-0.00	0.87
	43	111.7	-465.3	-1.3	-0.00	-0.00	0.00
2	66	-521.0	2170.9	-8.6	0.00	0.01	2.71
	43	437.7	-1823.7	8.6	-0.00	-0.00	0.01
3	66	-521.0	2860.6	-362.3	-0.00	0.49	3.65
	43	437.7	-2513.3	362.3	0.00	-0.00	0.01
4	66	-521.0	2170.9	-368.7	-0.00	0.50	2.71
	43	437.7	-1823.7	368.7	0.00	-0.00	0.01
5	66	-521.0	1653.7	-362.6	-0.00	0.49	2.01
	43	437.7	-1306.5	362.6	0.00	-0.00	0.01
6	66	-521.0	2170.9	-355.0	-0.00	0.48	2.71
	43	437.7	-1823.7	355.0	0.00	-0.00	0.01
7	66	-521.0	2860.6	345.4	0.00	-0.47	3.65
	43	437.7	-2513.3	-345.4	-0.00	0.00	0.01
8	66	-521.0	2170.9	339.0	0.00	-0.46	2.72
	43	437.7	-1823.7	-339.0	-0.00	0.00	0.01
9	66	-521.0	1653.7	345.1	0.00	-0.47	2.01
	43	437.7	-1306.5	-345.1	-0.00	0.00	0.01
10	66	-521.0	2170.9	352.7	0.00	-0.48	2.71
	43	437.7	-1823.7	-352.7	-0.00	0.00	0.01
11	66	-358.0	2641.1	-357.4	-0.00	0.49	3.35
	43	274.7	-2293.8	357.4	0.00	-0.00	0.01
12	66	-358.0	2641.1	350.3	0.00	-0.48	3.36
	43	274.7	-2293.8	-350.3	-0.00	0.00	0.01
13	66	-358.0	1491.7	-367.9	-0.00	0.50	1.79
	43	274.7	-1144.5	367.9	0.00	-0.00	0.00
14	66	-358.0	1491.7	339.8	0.00	-0.46	1.80
	43	274.7	-1144.5	-339.8	-0.00	0.00	0.00
15	66	-358.0	629.7	-357.8	-0.00	0.49	0.62
	43	274.7	-282.5	357.8	0.00	-0.00	0.01
16	66	-358.0	629.7	349.9	0.00	-0.48	0.62
	43	274.7	-282.5	-349.9	-0.00	0.00	0.00
17	66	-358.0	1491.7	-345.1	-0.00	0.47	1.79
	43	274.7	-1144.5	345.1	0.00	-0.00	0.01
18	66	-358.0	1491.7	362.6	0.00	-0.49	1.79
	43	274.7	-1144.5	-362.6	-0.00	0.00	0.00
19	66	-358.0	2181.3	-593.3	-0.00	0.81	2.73
	43	274.7	-1834.1	593.3	0.00	-0.00	0.01
20	66	-358.0	2181.3	586.2	0.00	-0.80	2.73
	43	274.7	-1834.1	-586.2	-0.00	0.00	0.00
21	66	-358.0	1491.7	-599.7	-0.00	0.82	1.79

	43	274.7	-1144.5	599.7	0.00	-0.00	0.01
22	66	-358.0	1491.7	579.8	0.00	-0.79	1.80
	43	274.7	-1144.5	-579.8	-0.00	0.00	0.00
23	66	-358.0	974.5	-593.6	-0.00	0.81	1.08
	43	274.7	-627.3	593.6	0.00	-0.00	0.01
24	66	-358.0	974.5	585.9	0.00	-0.80	1.09
	43	274.7	-627.3	-585.9	-0.00	0.00	0.00
25	66	-358.0	1491.7	-586.0	-0.00	0.80	1.79
	43	274.7	-1144.5	586.0	0.00	-0.00	0.01
26	66	-358.0	1491.7	593.5	0.00	-0.81	1.79
	43	274.7	-1144.5	-593.5	-0.00	0.00	0.00
27	66	-458.9	1525.2	-26.4	-0.00	0.04	1.89
	43	394.8	-1258.1	26.4	0.00	-0.00	0.01
28	66	-471.0	1528.4	-69.0	-0.00	0.09	1.89
	43	406.9	-1261.3	69.0	0.00	-0.00	0.01
29	66	-371.0	1501.9	53.1	0.00	-0.07	1.86
	43	306.9	-1234.7	-53.1	0.00	0.00	0.01
30	66	-328.1	1490.4	7.6	0.00	-0.01	1.84
	43	264.0	-1223.3	-7.6	0.00	-0.00	0.00
31	66	-248.4	1469.2	58.7	0.00	-0.08	1.82
	43	184.3	-1202.1	-58.7	-0.00	-0.00	0.00
32	66	-260.5	1472.4	16.1	0.00	-0.02	1.82
	43	196.4	-1205.3	-16.1	-0.00	-0.00	0.00
33	66	-411.5	1512.5	-89.0	-0.00	0.12	1.87
	43	347.4	-1245.4	89.0	0.00	-0.00	0.01
34	66	-348.4	1495.7	-63.4	0.00	0.09	1.85
	43	284.3	-1228.6	63.4	0.00	-0.00	0.00
35	66	-251.0	1046.0	-1.9	-0.00	0.00	1.24
	43	186.9	-778.9	1.9	-0.00	-0.00	0.00
36	66	-142.4	1052.9	1.5	-0.00	-0.00	1.25
	43	78.3	-785.8	-1.5	0.00	0.00	0.00
37	66	-142.4	593.2	-2.8	0.00	0.00	0.63
	43	78.3	-326.0	2.8	-0.00	-0.00	0.00
38	66	-142.4	248.4	1.3	-0.00	-0.00	0.16
	43	78.3	18.8	-1.3	0.00	-0.00	0.00
39	66	-142.4	593.2	6.4	-0.00	-0.01	0.62
	43	78.3	-326.0	-6.4	0.00	0.00	0.00
40	66	-142.4	593.2	-234.5	-0.00	0.32	0.62
	43	78.3	-326.0	234.5	0.00	-0.00	0.00
41	66	-142.4	593.2	237.3	0.00	-0.32	0.63
	43	78.3	-326.0	-237.3	-0.00	0.00	0.00
42	66	-359.7	1498.8	-5.2	0.00	0.01	1.85
	43	295.6	-1231.7	5.2	-0.00	-0.00	0.01
43	66	-454.5	1524.0	-24.8	-0.00	0.03	1.88
	43	390.3	-1256.9	24.8	0.00	0.00	0.01
44	66	-465.9	1527.0	-67.4	-0.00	0.09	1.89
	43	401.8	-1259.9	67.4	0.00	-0.00	0.01
45	66	-370.8	1501.8	53.6	-0.00	-0.07	1.86
	43	306.7	-1234.7	-53.6	-0.00	0.00	0.01
46	66	-310.5	1485.8	78.2	0.00	-0.11	1.84
	43	246.4	-1218.6	-78.2	-0.00	0.00	0.01
47	66	-253.5	1470.6	57.1	0.00	-0.08	1.82
	43	189.4	-1203.4	-57.1	0.00	-0.00	0.00
48	66	-265.0	1473.6	14.5	0.00	-0.02	1.82
	43	200.9	-1206.5	-14.5	0.00	-0.00	0.00
49	66	-408.9	1511.8	-88.5	-0.00	0.12	1.87

	43	344.8	-1244.7	88.5	0.00	-0.00	0.01
50	66	-348.7	1495.8	-63.9	0.00	0.09	1.85
	43	284.5	-1228.7	63.9	0.00	-0.00	0.00
51	66	-219.6	613.7	-14.3	-0.00	0.02	0.65
	43	155.5	-346.6	14.3	0.00	-0.00	0.01
52	66	-228.9	616.2	-48.7	-0.00	0.07	0.65
	43	164.8	-349.1	48.7	0.00	-0.00	0.00
53	66	-151.4	595.6	48.7	0.00	-0.07	0.63
	43	87.3	-328.5	-48.7	0.00	0.00	0.00
54	66	-102.2	582.5	68.5	0.00	-0.09	0.61
	43	38.1	-315.4	-68.5	0.00	0.00	0.00
55	66	-55.8	570.2	51.5	0.00	-0.07	0.60
	43	-8.3	-303.0	-51.5	-0.00	0.00	-0.00
56	66	-65.1	572.6	17.2	0.00	-0.02	0.60
	43	1.0	-305.5	-17.2	-0.00	0.00	-0.00
57	66	-182.5	603.8	-65.7	-0.00	0.09	0.64
	43	118.4	-336.7	65.7	-0.00	-0.00	0.00
58	66	-133.3	590.7	-45.9	-0.00	0.06	0.62
	43	69.2	-323.6	45.9	-0.00	-0.00	-0.00
1	190	-102.1	589.1	20.2	-0.03	-0.04	0.06
	160	1.4	-169.7	-20.2	0.03	0.00	0.56
2	190	-224.4	1577.7	47.0	-0.10	-0.09	0.22
	160	123.7	-1158.4	-47.0	0.10	0.01	2.03
3	190	-1531.7	2127.9	151.2	-0.15	-0.28	0.35
	160	1431.1	-1708.6	-151.2	0.15	0.03	2.81
4	190	-1310.6	1624.3	152.0	-0.11	-0.29	0.27
	160	1209.9	-1205.0	-152.0	0.11	0.04	2.06
5	190	-1149.9	1215.2	154.8	-0.08	-0.29	0.19
	160	1049.3	-795.9	-154.8	0.08	0.04	1.46
6	190	-1331.9	1599.6	162.5	-0.11	-0.30	0.25
	160	1231.2	-1180.3	-162.5	0.11	0.03	2.03
7	190	669.7	2070.4	-62.3	-0.13	0.12	0.28
	160	-770.4	-1651.1	62.3	0.13	-0.02	2.79
8	190	890.9	1566.8	-61.6	-0.09	0.12	0.20
	160	-991.5	-1147.5	61.6	0.09	-0.01	2.04
9	190	1051.5	1157.6	-58.7	-0.06	0.11	0.12
	160	-1152.2	-738.3	58.7	0.06	-0.01	1.44
10	190	869.6	1542.1	-51.0	-0.09	0.10	0.18
	160	-970.2	-1122.8	51.0	0.09	-0.02	2.01
11	190	-1608.4	1981.2	136.1	-0.14	-0.25	0.33
	160	1507.7	-1561.9	-136.1	0.14	0.03	2.59
12	190	593.1	1923.7	-77.5	-0.11	0.15	0.26
	160	-693.7	-1504.3	77.5	0.11	-0.02	2.57
13	190	-1239.7	1141.9	137.3	-0.07	-0.26	0.20
	160	1139.1	-722.6	-137.3	0.07	0.04	1.34
14	190	961.7	1084.4	-76.2	-0.05	0.14	0.13
	160	-1062.4	-665.0	76.2	0.05	-0.01	1.31
15	190	-972.0	460.0	142.1	-0.03	-0.27	0.07
	160	871.4	-40.6	-142.1	0.03	0.04	0.34
16	190	1229.5	402.4	-71.5	-0.00	0.13	0.00
	160	-1330.1	16.9	71.5	0.00	-0.02	0.32
17	190	-1275.2	1100.7	155.0	-0.07	-0.29	0.17
	160	1174.6	-681.4	-155.0	0.07	0.03	1.30
18	190	926.2	1043.2	-58.6	-0.05	0.12	0.10
	160	-1026.9	-623.8	58.6	0.05	-0.02	1.27

	190	-2204.4	1652.8	209.0	-0.12	-0.39	0.29
	160	2103.8	-1233.4	-209.0	0.12	0.05	2.08
20	190	1464.7	1556.9	-146.9	-0.08	0.28	0.17
	160	-1565.3	-1137.5	146.9	0.08	-0.04	2.04
21	190	-1983.2	1149.2	209.7	-0.08	-0.40	0.21
	160	1882.6	-729.9	-209.7	0.08	0.05	1.33
22	190	1685.9	1053.3	-146.2	-0.04	0.27	0.10
	160	-1786.5	-634.0	146.2	0.04	-0.03	1.29
23	190	-1822.6	740.0	212.6	-0.05	-0.40	0.14
	160	1722.0	-320.7	-212.6	0.05	0.05	0.74
24	190	1846.5	644.1	-143.3	-0.02	0.27	0.02
	160	-1947.1	-224.8	143.3	0.02	-0.04	0.69
25	190	-2004.5	1124.5	220.3	-0.08	-0.41	0.20
	160	1903.9	-705.1	-220.3	0.08	0.05	1.31
26	190	1664.6	1028.6	-135.6	-0.04	0.26	0.08
	160	-1765.2	-609.2	135.6	0.04	-0.04	1.27
27	190	-32.5	1012.2	-14.2	-0.06	-0.25	0.12
	160	-44.9	-689.6	14.2	0.06	0.02	1.28
28	190	84.8	1028.9	-106.9	-0.06	-0.13	0.13
	160	-162.2	-706.4	106.9	0.06	0.05	1.30
29	190	-297.4	1042.7	159.6	-0.07	-0.29	0.12
	160	220.0	-720.1	-159.6	0.07	-0.05	1.33
30	190	-211.5	1113.3	61.4	-0.07	-0.02	0.16
	160	134.1	-790.8	-61.4	0.07	-0.00	1.41
31	190	-398.2	1154.9	173.4	-0.07	0.01	0.17
	160	320.8	-832.4	-173.4	0.07	-0.04	1.46
32	190	-280.8	1171.7	80.7	-0.07	0.13	0.19
	160	203.4	-849.1	-80.7	0.07	-0.00	1.48
33	190	93.7	1098.4	-149.4	-0.06	0.09	0.17
	160	-171.1	-775.8	149.4	0.06	0.08	1.38
34	190	-16.0	1141.2	-93.1	-0.07	0.17	0.18
	160	-61.5	-818.6	93.1	0.07	0.06	1.43
35	190	-115.9	762.4	24.3	-0.04	-0.05	0.10
	160	38.5	-439.8	-24.3	0.04	0.01	0.89
36	190	-212.9	780.4	13.6	-0.04	-0.02	0.11
	160	135.5	-457.9	-13.6	0.04	0.00	0.91
37	190	-65.5	444.7	14.1	-0.02	-0.03	0.05
	160	-11.9	-122.2	-14.1	0.02	0.01	0.41
38	190	41.6	171.9	16.0	0.00	-0.03	0.00
	160	-119.0	150.6	-16.0	-0.00	0.00	0.01
39	190	-79.7	428.2	21.2	-0.02	-0.04	0.04
	160	2.3	-105.7	-21.2	0.02	0.00	0.40
40	190	-809.0	452.0	86.5	-0.03	-0.16	0.07
	160	731.6	-129.4	-86.5	0.03	0.02	0.41
41	190	658.7	413.6	-55.8	-0.01	0.11	0.02
	160	-736.1	-91.1	55.8	0.01	-0.01	0.39
42	190	-156.7	1091.9	33.3	-0.07	-0.06	0.15
	160	79.3	-769.4	-33.3	0.07	0.01	1.38
43	190	-34.1	1014.8	-14.0	-0.06	0.01	0.12
	160	-43.3	-692.3	14.0	0.06	0.02	1.28
44	190	88.0	1032.1	-110.7	-0.06	0.13	0.13
	160	-165.4	-709.5	110.7	0.06	0.06	1.30
45	190	-305.0	1042.7	165.7	-0.07	-0.22	0.12
	160	227.6	-720.1	-165.7	0.07	-0.05	1.33
46	190	-415.2	1083.7	223.0	-0.07	-0.30	0.14
	160	337.8	-761.2	-223.0	0.07	-0.07	1.38

	190	-401.3	1151.8	177.2	-0.07	-0.25	0.17
	160	323.9	-829.2	-177.2	0.07	-0.04	1.46
48	190	-279.3	1169.0	80.5	-0.07	-0.13	0.19
	160	201.9	-846.5	-80.5	0.07	-0.00	1.47
49	190	101.8	1100.1	-156.5	-0.06	0.18	0.17
	160	-179.3	-777.6	156.5	0.06	0.08	1.38
50	190	-8.3	1141.2	-99.2	-0.07	0.10	0.18
	160	-69.1	-818.6	99.2	0.07	0.06	1.43
51	190	24.1	370.0	-22.5	-0.02	0.03	0.02
	160	-101.5	-47.4	22.5	0.02	0.01	0.32
52	190	121.9	383.9	-99.9	-0.02	0.13	0.03
	160	-199.3	-61.3	99.9	0.02	0.04	0.33
53	190	-193.7	392.8	121.4	-0.02	-0.16	0.02
	160	116.3	-70.3	-121.4	0.02	-0.04	0.36
54	190	-282.6	426.4	167.4	-0.02	-0.22	0.03
	160	205.2	-103.8	-167.4	0.02	-0.06	0.40
55	190	-272.2	481.7	130.6	-0.02	-0.18	0.06
	160	194.8	-159.2	-130.6	0.02	-0.04	0.47
56	190	-174.4	495.7	53.2	-0.02	-0.09	0.07
	160	97.0	-173.1	-53.2	0.02	-0.01	0.48
57	190	132.3	439.3	-136.7	-0.02	0.16	0.06
	160	-209.7	-116.7	136.7	0.02	0.06	0.40
58	190	43.4	472.8	-90.7	-0.02	0.10	0.07
	160	-120.8	-150.3	90.7	0.02	0.05	0.44
1	160	215.7	-735.1	33.0	-0.03	-0.00	-0.56
	130	-316.4	1154.4	-33.0	0.03	-0.05	-0.99
2	160	881.1	-3028.3	75.0	-0.10	-0.01	-2.04
	130	-981.7	3447.6	-75.0	0.10	-0.11	-3.29
3	160	-426.3	-4144.1	198.2	-0.15	-0.03	-2.82
	130	325.7	4563.4	-198.2	0.15	-0.29	-4.34
4	160	-205.1	-2981.7	214.8	-0.11	-0.04	-2.07
	130	104.5	3401.0	-214.8	0.11	-0.31	-3.18
5	160	-44.5	-2141.3	215.5	-0.08	-0.04	-1.47
	130	-56.1	2560.6	-215.5	0.08	-0.32	-2.40
6	160	-226.4	-3006.4	213.4	-0.11	-0.03	-2.04
	130	125.8	3425.7	-213.4	0.11	-0.32	-3.25
7	160	1775.2	-4201.6	-70.0	-0.13	0.02	-2.80
	130	-1875.8	4620.9	70.0	0.13	0.10	-4.46
8	160	1996.3	-3039.2	-53.4	-0.09	0.01	-2.05
	130	-2097.0	3458.5	53.4	0.09	0.07	-3.30
9	160	2157.0	-2198.8	-52.7	-0.06	0.01	-1.44
	130	-2257.6	2618.2	52.7	0.06	0.07	-2.52
10	160	1975.0	-3063.9	-54.8	-0.09	0.02	-2.02
	130	-2075.7	3483.2	54.8	0.09	0.07	-3.37
11	160	-896.7	-3760.6	170.0	-0.14	-0.03	-2.60
	130	796.1	4179.9	-170.0	0.14	-0.25	-3.93
12	160	1304.7	-3818.1	-98.2	-0.11	0.02	-2.58
	130	-1405.3	4237.4	98.2	0.11	0.14	-4.05
13	160	-528.1	-1823.2	197.7	-0.07	-0.04	-1.34
	130	427.5	2242.5	-197.7	0.07	-0.29	-2.00
14	160	1673.3	-1880.7	-70.5	-0.05	0.01	-1.32
	130	-1774.0	2300.1	70.5	0.05	0.10	-2.12
15	160	-260.4	-422.6	198.8	-0.03	-0.04	-0.34
	130	159.7	841.9	-198.8	0.03	-0.29	-0.70
16	160	1941.1	-480.1	-69.4	-0.00	0.02	-0.32

	130	-2041.7	899.5	69.4	0.00	0.10	-0.82
17	160	-563.6	-1864.4	195.2	-0.07	-0.03	-1.30
	130	463.0	2283.7	-195.2	0.07	-0.29	-2.11
18	160	1637.8	-1921.9	-73.0	-0.05	0.02	-1.28
	130	-1738.5	2341.3	73.0	0.05	0.10	-2.23
19	160	-1492.8	-2978.3	266.6	-0.12	-0.05	-2.09
	130	1392.2	3397.7	-266.6	0.12	-0.39	-3.15
20	160	2176.3	-3074.2	-180.4	-0.08	0.04	-2.06
	130	-2276.9	3493.5	180.4	0.08	0.26	-3.35
21	160	-1271.6	-1815.9	283.3	-0.08	-0.05	-1.34
	130	1171.0	2235.2	-283.3	0.08	-0.41	-2.00
22	160	2397.5	-1911.8	-163.7	-0.04	0.03	-1.30
	130	-2498.1	2331.1	163.7	0.04	0.24	-2.19
23	160	-1111.0	-975.6	283.9	-0.05	-0.05	-0.74
	130	1010.3	1394.9	-283.9	0.05	-0.41	-1.21
24	160	2558.1	-1071.4	-163.1	-0.02	0.04	-0.70
	130	-2658.8	1490.8	163.1	0.02	0.23	-1.41
25	160	-1292.9	-1840.6	281.8	-0.08	-0.05	-1.31
	130	1192.3	2259.9	-281.8	0.08	-0.41	-2.06
26	160	2376.2	-1936.5	-165.2	-0.04	0.04	-1.28
	130	-2476.8	2355.8	165.2	0.04	0.23	-2.26
27	160	933.0	-2028.6	119.7	-0.06	-0.02	-1.29
	130	-1010.4	2351.2	-119.7	0.06	-0.21	-2.34
28	160	1054.0	-2006.6	99.7	-0.06	-0.05	-1.30
	130	-1131.4	2329.1	-99.7	0.06	-0.16	-2.29
29	160	512.4	-2068.3	103.5	-0.07	0.05	-1.33
	130	-589.9	2390.9	-103.5	0.07	-0.20	-2.33
30	160	474.7	-2043.6	36.3	-0.07	0.00	-1.41
	130	-552.1	2366.2	-36.3	0.07	-0.05	-2.21
31	160	134.9	-2068.7	6.8	-0.07	0.04	-1.47
	130	-212.3	2391.2	-6.8	0.07	-0.01	-2.17
32	160	255.9	-2046.6	-13.2	-0.07	0.00	-1.48
	130	-333.3	2369.2	13.2	0.07	0.05	-2.13
33	160	915.8	-1994.9	36.9	-0.06	-0.08	-1.38
	130	-993.2	2317.4	-36.9	0.06	-0.03	-2.18
34	160	676.4	-2006.9	3.0	-0.07	-0.06	-1.44
	130	-753.8	2329.5	-3.0	0.07	0.04	-2.13
35	160	372.6	-1273.2	39.3	-0.04	-0.01	-0.89
	130	-450.0	1595.8	-39.3	0.04	-0.06	-1.47
36	160	13.1	-1271.9	18.0	-0.04	-0.00	-0.92
	130	-90.5	1594.5	-18.0	0.04	-0.03	-1.44
37	160	160.5	-497.0	29.1	-0.02	-0.01	-0.41
	130	-237.9	819.5	-29.1	0.02	-0.04	-0.67
38	160	267.6	63.3	29.6	0.00	-0.00	-0.01
	130	-345.0	259.3	-29.6	-0.00	-0.04	-0.15
39	160	146.3	-513.4	28.1	-0.02	-0.00	-0.40
	130	-223.7	836.0	-28.1	0.02	-0.04	-0.71
40	160	-583.0	-489.7	114.7	-0.03	-0.02	-0.41
	130	505.6	812.2	-114.7	0.03	-0.17	-0.66
41	160	884.7	-528.0	-64.1	-0.01	0.01	-0.39
	130	-962.1	850.6	64.1	0.01	0.09	-0.74
42	160	594.4	-2037.6	53.3	-0.07	-0.01	-1.39
	130	-671.8	2360.2	-53.3	0.07	-0.08	-2.23
43	160	919.0	-2029.9	113.5	-0.06	-0.02	-1.29
	130	-996.4	2352.5	-113.5	0.06	-0.20	-2.34
44	160	1043.6	-2007.2	95.8	-0.06	-0.06	-1.30

	130	-1121.0	2329.8	-95.8	0.06	-0.15	-2.29
45	160	502.9	-2069.7	98.2	-0.07	0.05	-1.34
	130	-580.3	2392.3	-98.2	0.07	-0.19	-2.34
46	160	270.8	-2081.2	67.4	-0.07	0.07	-1.39
	130	-348.2	2403.7	-67.4	0.07	-0.14	-2.29
47	160	145.3	-2068.0	10.7	-0.07	0.04	-1.47
	130	-222.7	2390.6	-10.7	0.07	-0.01	-2.17
48	160	269.8	-2045.3	-7.0	-0.07	0.00	-1.48
	130	-347.2	2367.9	7.0	0.07	0.04	-2.13
49	160	918.0	-1994.1	39.1	-0.06	-0.08	-1.38
	130	-995.5	2316.6	-39.1	0.06	-0.02	-2.18
50	160	685.9	-2005.5	8.3	-0.07	-0.06	-1.43
	130	-763.3	2328.1	-8.3	0.07	0.03	-2.13
51	160	415.3	-502.5	74.3	-0.02	-0.01	-0.32
	130	-492.7	825.0	-74.3	0.02	-0.14	-0.79
52	160	515.1	-484.2	59.9	-0.02	-0.04	-0.34
	130	-592.5	806.7	-59.9	0.02	-0.09	-0.75
53	160	78.7	-534.7	61.8	-0.02	0.04	-0.36
	130	-156.1	857.3	-61.8	0.02	-0.13	-0.79
54	160	-109.9	-544.0	36.8	-0.02	0.06	-0.40
	130	32.5	866.6	-36.8	0.02	-0.08	-0.74
55	160	-213.4	-533.5	-9.3	-0.02	0.04	-0.47
	130	136.0	856.1	9.3	0.02	0.02	-0.65
56	160	-113.6	-515.2	-23.7	-0.02	0.01	-0.48
	130	36.1	837.8	23.7	0.02	0.06	-0.61
57	160	411.6	-473.7	13.8	-0.02	-0.06	-0.40
	130	-489.0	796.3	-13.8	0.02	0.01	-0.66
58	160	223.0	-483.0	-11.2	-0.02	-0.05	-0.44
	130	-300.4	805.6	11.2	0.02	0.05	-0.62
1	130	-229.6	1200.7	12.2	-0.00	-0.03	1.12
	91	89.7	-617.6	-12.2	0.00	0.00	0.96
2	130	-671.9	3501.5	30.2	-0.01	-0.07	3.71
	91	531.9	-2918.4	-30.2	0.01	0.00	3.64
3	130	-7300.1	4719.4	42.4	-0.01	-0.11	5.18
	91	7160.2	-4136.2	-42.4	0.01	0.01	4.95
4	130	-7000.8	3538.3	45.8	-0.01	-0.12	3.84
	91	6860.8	-2955.2	-45.8	0.01	0.02	3.59
5	130	-7002.3	2566.1	44.4	-0.01	-0.12	2.67
	91	6862.3	-1983.0	-44.4	0.01	0.02	2.53
6	130	-7233.8	3478.0	46.6	-0.01	-0.12	3.73
	91	7093.9	-2894.9	-46.6	0.01	0.01	3.56
7	130	5647.9	4740.0	14.9	-0.01	-0.02	5.09
	91	-5787.9	-4156.8	-14.9	0.01	-0.01	5.09
8	130	5947.3	3558.9	18.3	-0.01	-0.04	3.75
	91	-6087.2	-2975.8	-18.3	0.01	-0.00	3.72
9	130	5945.8	2586.7	16.9	-0.01	-0.03	2.59
	91	-6085.7	-2003.6	-16.9	0.01	-0.01	2.66
10	130	5714.2	3498.6	19.1	-0.01	-0.03	3.64
	91	-5854.2	-2915.5	-19.1	0.01	-0.01	3.70
11	130	-7181.8	4387.8	32.4	-0.01	-0.08	4.84
	91	7041.9	-3804.6	-32.4	0.01	0.01	4.54
12	130	5766.2	4408.4	4.9	-0.01	0.00	4.75
	91	-5906.2	-3825.2	-4.9	0.01	-0.01	4.67
13	130	-6682.9	2419.3	38.0	-0.01	-0.11	2.60
	91	6543.0	-1836.2	-38.0	0.01	0.02	2.27

	130	6265.1	2439.9	10.5	-0.01	-0.02	2.51
	91	-6405.1	-1856.8	-10.5	0.01	-0.00	2.40
15	130	-6685.4	799.0	35.7	-0.00	-0.10	0.66
	91	6545.4	-215.9	-35.7	0.00	0.02	0.50
16	130	6262.7	819.6	8.2	-0.00	-0.01	0.57
	91	-6402.6	-236.5	-8.2	0.00	-0.01	0.63
17	130	-7071.3	2318.9	39.3	-0.01	-0.10	2.42
	91	6931.3	-1735.7	-39.3	0.01	0.01	2.22
18	130	5876.8	2339.5	11.8	-0.01	-0.01	2.33
	91	-6016.7	-1756.3	-11.8	0.01	-0.02	2.35
19	130	-11395.0	3562.1	42.6	-0.01	-0.12	3.91
	91	11255.1	-2979.0	-42.6	0.01	0.02	3.57
20	130	10185.1	3596.5	-3.3	-0.01	0.03	3.77
	91	-10325.0	-3013.3	3.3	0.01	-0.02	3.79
21	130	-11095.7	2381.1	45.9	-0.01	-0.13	2.57
	91	10955.7	-1797.9	-45.9	0.01	0.03	2.21
22	130	10484.4	2415.4	0.1	-0.00	0.01	2.43
	91	-10624.4	-1832.3	-0.1	0.00	-0.01	2.43
23	130	-11097.2	1408.9	44.6	-0.01	-0.13	1.41
	91	10957.2	-825.7	-44.6	0.01	0.02	1.15
24	130	10482.9	1443.2	-1.3	-0.00	0.02	1.26
	91	-10622.9	-860.1	1.3	0.00	-0.02	1.37
25	130	-11328.7	2320.8	46.8	-0.01	-0.13	2.46
	91	11188.7	-1737.6	-46.8	0.01	0.02	2.18
26	130	10251.4	2355.1	0.9	-0.00	0.02	2.32
	91	-10391.3	-1772.0	-0.9	0.00	-0.02	2.40
27	130	-208.7	2230.5	56.3	-0.00	-0.13	2.25
	91	101.1	-1781.9	-56.3	0.00	0.01	2.34
28	130	411.2	2210.8	39.4	-0.00	-0.09	2.21
	91	-518.9	-1762.2	-39.4	0.00	0.05	2.33
29	130	-1322.5	2379.8	57.5	-0.00	-0.14	2.49
	91	1214.9	-1931.3	-57.5	0.00	-0.06	2.45
30	130	-624.0	2455.3	13.5	-0.01	-0.03	2.61
	91	516.3	-2006.7	-13.5	0.01	-0.01	2.50
31	130	-1324.5	2591.5	3.5	-0.01	-0.01	2.83
	91	1216.8	-2142.9	-3.5	0.01	-0.04	2.59
32	130	-704.5	2571.8	-13.4	-0.01	0.03	2.80
	91	596.9	-2123.2	13.4	0.01	-0.00	2.58
33	130	744.0	2314.1	1.3	-0.01	-0.00	2.38
	91	-851.7	-1865.6	-1.3	0.01	0.08	2.40
34	130	409.3	2422.4	-14.6	-0.01	0.03	2.56
	91	-516.9	-1973.9	14.6	0.01	0.06	2.47
35	130	-309.2	1634.2	15.4	-0.00	-0.04	1.66
	91	201.6	-1185.7	-15.4	0.00	0.00	1.57
36	130	-264.6	1686.1	8.4	-0.00	-0.02	1.75
	91	157.0	-1237.5	-8.4	0.00	-0.00	1.60
37	130	-65.1	898.7	10.6	-0.00	-0.03	0.85
	91	-42.6	-450.2	-10.6	0.00	0.00	0.69
38	130	-66.0	250.6	9.7	-0.00	-0.03	0.08
	91	-41.6	198.0	-9.7	0.00	0.00	-0.02
39	130	-220.4	858.5	11.2	-0.00	-0.02	0.78
	91	112.8	-410.0	-11.2	0.00	-0.00	0.67
40	130	-4477.8	860.4	18.6	-0.00	-0.05	0.82
	91	4370.2	-411.9	-18.6	0.00	0.01	0.63
41	130	4154.2	874.2	0.2	-0.00	0.01	0.77
	91	-4261.9	-425.6	-0.2	0.00	-0.01	0.72

	130	-456.6	2401.1	21.4	-0.01	-0.05	2.52
	91	349.0	-1952.6	-21.4	0.01	0.00	2.46
43	130	-203.0	2238.3	52.5	-0.00	-0.08	2.26
	91	95.3	-1789.8	-52.5	0.00	0.01	2.35
44	130	442.4	2219.7	36.8	-0.00	-0.12	2.23
	91	-550.1	-1771.2	-36.8	0.00	0.05	2.34
45	130	-1359.5	2380.5	54.7	-0.00	-0.00	2.49
	91	1251.8	-1931.9	-54.7	0.00	-0.06	2.45
46	130	-1705.3	2483.7	40.7	-0.00	0.03	2.65
	91	1597.6	-2035.2	-40.7	0.00	-0.08	2.52
47	130	-1355.7	2582.5	6.1	-0.01	0.02	2.81
	91	1248.0	-2134.0	-6.1	0.01	-0.05	2.58
48	130	-710.3	2564.0	-9.6	-0.01	-0.02	2.78
	91	602.6	-2115.4	9.6	0.01	-0.00	2.57
49	130	792.0	2318.6	2.2	-0.01	-0.13	2.39
	91	-899.7	-1870.0	-2.2	0.01	0.08	2.40
50	130	446.2	2421.8	-11.8	-0.01	-0.10	2.55
	91	-553.8	-1973.3	11.8	0.01	0.06	2.47
51	130	40.3	734.6	34.7	-0.00	-0.05	0.58
	91	-147.9	-286.0	-34.7	0.00	0.01	0.59
52	130	557.9	719.5	21.9	-0.00	-0.08	0.56
	91	-665.5	-270.9	-21.9	0.00	0.04	0.58
53	130	-886.3	850.4	36.4	-0.00	0.02	0.77
	91	778.6	-401.9	-36.4	0.00	-0.05	0.67
54	130	-1162.8	934.6	25.1	-0.00	0.04	0.90
	91	1055.1	-486.1	-25.1	0.00	-0.06	0.72
55	130	-881.5	1015.2	-3.1	-0.00	0.04	1.03
	91	773.8	-566.6	3.1	0.00	-0.04	0.78
56	130	-363.8	1000.0	-15.8	-0.00	0.00	1.01
	91	256.2	-551.5	15.8	0.00	-0.00	0.77
57	130	839.2	800.0	-6.2	-0.00	-0.09	0.69
	91	-946.9	-351.4	6.2	0.00	0.06	0.63
58	130	562.7	884.2	-17.6	-0.00	-0.06	0.82
	91	-670.3	-435.6	17.6	0.00	0.05	0.69
1	91	197.8	-580.2	15.7	-0.00	-0.00	-0.96
	67	-337.8	1163.3	-15.7	0.00	-0.03	-1.03
2	91	850.9	-2843.2	35.1	-0.01	-0.00	-3.63
	67	-990.8	3426.4	-35.1	0.01	-0.08	-3.54
3	91	-5777.4	-3942.1	26.7	-0.01	-0.01	-4.95
	67	5637.4	4525.3	-26.7	0.01	-0.05	-4.74
4	91	-5478.0	-2806.4	43.0	-0.01	-0.02	-3.59
	67	5338.1	3389.5	-43.0	0.01	-0.08	-3.50
5	91	-5479.5	-2041.0	36.4	-0.01	-0.02	-2.53
	67	5339.6	2624.2	-36.4	0.01	-0.07	-2.81
6	91	-5711.1	-2866.7	28.4	-0.01	-0.01	-3.56
	67	5571.1	3449.8	-28.4	0.01	-0.05	-3.67
7	91	7170.7	-3921.5	32.0	-0.01	0.01	-5.09
	67	-7310.6	4504.7	-32.0	0.01	-0.08	-4.55
8	91	7470.0	-2785.8	48.3	-0.01	0.00	-3.73
	67	-7610.0	3368.9	-48.3	0.01	-0.11	-3.32
9	91	7468.5	-2020.4	41.7	-0.01	0.01	-2.66
	67	-7608.5	2603.6	-41.7	0.01	-0.10	-2.63
10	91	7237.0	-2846.1	33.7	-0.01	0.01	-3.70
	67	-7376.9	3429.2	-33.7	0.01	-0.09	-3.48
11	91	-6206.8	-3536.4	13.1	-0.01	-0.01	-4.54

	67	6066.8	4119.5	-13.1	0.01	-0.02	-4.22
12	91	6741.3	-3515.8	18.4	-0.01	0.01	-4.67
	67	-6881.3	4098.9	-18.4	0.01	-0.06	-4.04
13	91	-5707.8	-1643.5	40.2	-0.01	-0.02	-2.27
	67	5567.9	2226.6	-40.2	0.01	-0.07	-2.16
14	91	7240.2	-1622.9	45.5	-0.01	0.00	-2.40
	67	-7380.2	2206.0	-45.5	0.01	-0.11	-1.98
15	91	-5710.3	-367.9	29.4	-0.00	-0.02	-0.50
	67	5570.4	951.0	-29.4	0.00	-0.05	-1.01
16	91	7237.7	-347.3	34.7	-0.00	0.01	-0.64
	67	-7377.7	930.4	-34.7	0.00	-0.09	-0.83
17	91	-6096.2	-1744.0	16.0	-0.01	-0.01	-2.22
	67	5956.3	2327.1	-16.0	0.01	-0.03	-2.44
18	91	6851.8	-1723.4	21.3	-0.01	0.02	-2.36
	67	-6991.8	2306.5	-21.3	0.01	-0.06	-2.26
19	91	-10419.9	-2817.5	15.2	-0.01	-0.02	-3.57
	67	10280.0	3400.6	-15.2	0.01	-0.02	-3.55
20	91	11160.1	-2783.2	24.0	-0.01	0.02	-3.80
	67	-11300.1	3366.3	-24.0	0.01	-0.07	-3.24
21	91	-10120.6	-1681.8	31.5	-0.01	-0.03	-2.21
	67	9980.6	2264.9	-31.5	0.01	-0.05	-2.31
22	91	11459.5	-1647.4	40.3	-0.00	0.01	-2.43
	67	-11599.4	2230.6	-40.3	0.00	-0.10	-2.00
23	91	-10122.1	-916.4	25.0	-0.01	-0.02	-1.15
	67	9982.1	1499.5	-25.0	0.01	-0.03	-1.62
24	91	11458.0	-882.1	33.8	-0.00	0.02	-1.37
	67	-11598.0	1465.2	-33.8	0.00	-0.09	-1.31
25	91	-10353.6	-1742.1	16.9	-0.01	-0.02	-2.18
	67	10213.7	2325.2	-16.9	0.01	-0.02	-2.48
26	91	11226.5	-1707.7	25.8	-0.00	0.02	-2.41
	67	-11366.4	2290.8	-25.8	0.00	-0.08	-2.17
27	91	992.5	-1978.9	40.3	-0.00	-0.01	-2.34
	67	-1100.1	2427.5	-40.3	0.00	-0.09	-2.69
28	91	1607.7	-1988.3	105.7	-0.00	-0.05	-2.33
	67	-1715.3	2436.9	-105.7	0.00	-0.20	-2.73
29	91	-231.6	-1912.5	-69.5	-0.00	0.06	-2.45
	67	123.9	2361.0	69.5	0.00	0.10	-2.45
30	91	359.7	-1880.6	10.8	-0.01	0.01	-2.50
	67	-467.3	2329.1	-10.8	0.01	-0.03	-2.32
31	91	-454.3	-1820.4	-55.4	-0.01	0.04	-2.59
	67	346.6	2269.0	55.4	0.01	0.09	-2.10
32	91	160.9	-1829.8	10.0	-0.01	0.00	-2.58
	67	-268.6	2278.4	-10.0	0.01	-0.02	-2.13
33	91	1819.0	-1943.8	148.6	-0.01	-0.08	-2.40
	67	-1926.7	2392.3	-148.6	0.01	-0.27	-2.56
34	91	1385.0	-1896.2	119.9	-0.01	-0.06	-2.47
	67	-1492.6	2344.8	-119.9	0.01	-0.21	-2.38
35	91	359.0	-1150.0	18.7	-0.00	-0.00	-1.57
	67	-466.7	1598.6	-18.7	0.00	-0.04	-1.58
36	91	38.5	-1121.4	8.4	-0.00	0.00	-1.60
	67	-146.1	1570.0	-8.4	0.00	-0.02	-1.48
37	91	238.1	-364.3	19.2	-0.00	-0.00	-0.69
	67	-345.7	812.8	-19.2	0.00	-0.04	-0.65
38	91	237.1	146.0	14.9	-0.00	-0.00	0.02
	67	-344.7	302.6	-14.9	0.00	-0.03	-0.19
39	91	82.7	-404.5	9.5	-0.00	0.00	-0.67

	67	-190.4	853.0	-9.5	0.00	-0.02	-0.77
40	91	-4174.7	-402.5	10.5	-0.00	-0.01	-0.63
	67	4067.0	851.1	-10.5	0.00	-0.01	-0.80
41	91	4457.3	-388.8	14.0	-0.00	0.01	-0.72
	67	-4565.0	837.4	-14.0	0.00	-0.04	-0.68
42	91	576.7	-1904.4	25.2	-0.01	-0.00	-2.46
	67	-684.3	2352.9	-25.2	0.01	-0.06	-2.41
43	91	989.1	-1975.5	39.4	-0.00	-0.01	-2.35
	67	-1096.7	2424.0	-39.4	0.00	-0.09	-2.68
44	91	1629.7	-1984.2	107.9	-0.00	-0.05	-2.34
	67	-1737.3	2432.8	-107.9	0.00	-0.20	-2.71
45	91	-271.1	-1912.4	-74.4	-0.00	0.06	-2.45
	67	163.5	2360.9	74.4	0.00	0.11	-2.44
46	91	-710.7	-1867.1	-103.4	-0.00	0.08	-2.52
	67	603.1	2315.6	103.4	0.00	0.16	-2.27
47	91	-476.3	-1824.5	-57.5	-0.01	0.05	-2.58
	67	368.6	2273.0	57.5	0.01	0.09	-2.11
48	91	164.3	-1833.3	10.9	-0.01	0.00	-2.57
	67	-271.9	2281.8	-10.9	0.01	-0.03	-2.14
49	91	1864.1	-1941.6	153.8	-0.01	-0.08	-2.40
	67	-1971.8	2390.2	-153.8	0.01	-0.27	-2.55
50	91	1424.5	-1896.3	124.7	-0.01	-0.06	-2.47
	67	-1532.1	2344.9	-124.7	0.01	-0.22	-2.38
51	91	473.6	-453.6	23.6	-0.00	-0.01	-0.59
	67	-581.3	902.2	-23.6	0.00	-0.05	-0.96
52	91	987.3	-460.8	78.6	-0.00	-0.04	-0.58
	67	-1095.0	909.4	-78.6	0.00	-0.14	-0.99
53	91	-538.0	-402.2	-67.8	-0.00	0.05	-0.67
	67	430.4	850.8	67.8	0.00	0.11	-0.77
54	91	-891.5	-365.3	-91.1	-0.00	0.06	-0.72
	67	783.9	813.8	91.1	0.00	0.15	-0.63
55	91	-704.7	-330.6	-54.1	-0.00	0.04	-0.78
	67	597.0	779.1	54.1	0.00	0.09	-0.50
56	91	-191.0	-337.7	0.9	-0.00	0.00	-0.77
	67	83.3	786.3	-0.9	0.00	-0.00	-0.52
57	91	1174.2	-426.1	115.5	-0.00	-0.06	-0.63
	67	-1281.8	874.6	-115.5	0.00	-0.20	-0.85
58	91	820.7	-389.2	92.2	-0.00	-0.05	-0.69
	67	-928.3	837.7	-92.2	0.00	-0.16	-0.71
1	189	-1072.1	4516.2	-166.1	0.42	0.18	0.81
	159	-175.9	683.8	166.1	-0.42	0.10	2.35
2	189	-1478.2	5920.2	-318.1	0.83	0.31	1.40
	159	230.2	-720.2	318.1	-0.83	0.21	4.07
3	189	257.1	9922.9	-563.6	0.98	-0.37	6.35
	159	-1505.1	-4722.9	563.6	-0.98	1.29	5.70
4	189	1299.4	9002.2	-830.2	0.83	0.02	5.99
	159	-2547.4	-3802.2	830.2	-0.83	1.34	4.55
5	189	2206.9	6336.4	-745.4	0.59	-0.06	3.33
	159	-3454.9	-1136.4	745.4	-0.59	1.28	2.81
6	189	1654.0	7497.4	-463.9	0.68	-0.49	4.04
	159	-2902.0	-2297.4	463.9	-0.68	1.25	4.02
7	189	-4755.0	6092.4	133.5	1.13	0.65	0.19
	159	3507.0	-892.4	-133.5	-1.13	-0.87	5.55
8	189	-3712.7	5171.7	-133.1	0.99	1.04	-0.17
	159	2464.7	28.3	133.1	-0.99	-0.82	4.40

	189	-2805.2	2506.0	-48.3	0.74	0.95	-2.82
	159	1557.2	2694.0	48.3	-0.74	-0.87	2.67
10	189	-3358.1	3667.0	233.3	0.84	0.52	-2.12
	159	2110.1	1533.0	-233.3	-0.84	-0.91	3.87
11	189	-53.6	10612.5	-418.9	0.92	-0.55	7.30
	159	-1194.4	-5412.5	418.9	-0.92	1.24	5.88
12	189	-5065.7	6782.1	278.2	1.07	0.46	1.15
	159	3817.7	-1582.1	-278.2	-1.07	-0.92	5.73
13	189	1683.5	9078.0	-863.2	0.68	0.10	6.70
	159	-2931.5	-3878.0	863.2	-0.68	1.32	3.96
14	189	-3328.6	5247.6	-166.0	0.83	1.11	0.55
	159	2080.6	-47.6	166.0	-0.83	-0.84	3.81
15	189	3196.0	4635.1	-721.9	0.27	-0.04	2.28
	159	-4444.0	564.9	721.9	-0.27	1.22	1.07
16	189	-1816.1	804.7	-24.7	0.42	0.98	-3.88
	159	568.1	4395.3	24.7	-0.42	-0.94	0.92
17	189	2274.5	6570.1	-252.6	0.43	-0.75	3.45
	159	-3522.5	-1370.1	252.6	-0.43	1.17	3.08
18	189	-2737.5	2739.7	444.5	0.58	0.26	-2.70
	159	1489.5	2460.3	-444.5	-0.58	-0.99	2.93
19	189	2130.9	10497.7	-720.0	0.72	-0.77	8.10
	159	-3378.9	-5297.7	720.0	-0.72	1.96	4.89
20	189	-6222.6	4113.6	441.9	0.98	0.92	-2.15
	159	4974.6	1086.4	-441.9	-0.98	-1.64	4.64
21	189	3173.1	9577.0	-986.5	0.57	-0.38	7.74
	159	-4421.1	-4377.0	986.5	-0.57	2.01	3.74
22	189	-5180.3	3192.9	175.3	0.83	1.31	-2.51
	159	3932.3	2007.1	-175.3	-0.83	-1.59	3.49
23	189	4080.6	6911.2	-901.8	0.33	-0.46	5.09
	159	-5328.6	-1711.2	901.8	-0.33	1.95	2.00
24	189	-4272.8	527.2	260.1	0.58	1.22	-5.17
	159	3024.8	4672.8	-260.1	-0.58	-1.65	1.76
25	189	3527.8	8072.2	-620.2	0.42	-0.89	5.79
	159	-4775.8	-2872.2	620.2	-0.42	1.91	3.21
26	189	-4825.7	1688.2	541.6	0.68	0.79	-4.46
	159	3577.7	3511.8	-541.6	-0.68	-1.68	2.96
27	189	501.4	1188.6	-823.5	-0.04	1.17	-2.22
	159	-1461.4	2811.4	823.5	0.04	0.25	1.28
28	189	323.5	1539.6	-2541.5	0.50	3.29	-2.62
	159	-1283.5	2460.4	2541.5	-0.50	0.98	1.46
29	189	-308.7	2986.7	2202.0	-0.41	-2.71	0.75
	159	-651.3	1013.3	-2202.0	0.41	-0.91	2.20
30	189	-1477.7	5464.0	213.7	0.69	-0.38	2.24
	159	517.7	-1464.0	-213.7	-0.69	0.01	3.46
31	189	-2406.5	7496.1	2093.8	0.67	-2.85	4.94
	159	1446.5	-3496.1	-2093.8	-0.67	-0.68	4.50
32	189	-2584.5	7847.1	375.8	1.21	-0.73	4.55
	159	1624.5	-3847.1	-375.8	-1.21	0.05	4.68
33	189	-902.0	4156.7	-3524.9	1.37	4.35	-0.57
	159	-58.0	-156.7	3524.9	-1.37	1.49	2.80
34	189	-1774.4	6049.0	-2649.7	1.58	3.15	1.58
	159	814.4	-2049.0	2649.7	-1.58	1.21	3.77
35	189	-906.1	4049.9	-173.2	0.45	0.17	0.97
	159	-53.9	-49.9	173.2	-0.45	0.11	2.41
36	189	-1284.6	4973.5	-53.8	0.46	0.01	2.02
	159	324.6	-973.5	53.8	-0.46	0.08	2.87

	189	-589.7	4359.7	-231.5	0.36	0.27	1.78
	159	-370.3	-359.7	231.5	-0.36	0.11	2.11
38	189	15.3	2582.6	-175.0	0.20	0.22	0.01
	159	-975.3	1417.4	175.0	-0.20	0.07	0.95
39	189	-353.3	3356.5	12.7	0.26	-0.07	0.48
	159	-606.7	643.5	-12.7	-0.26	0.05	1.75
40	189	899.9	4858.7	-354.9	0.26	-0.21	2.82
	159	-1859.9	-858.7	354.9	-0.26	0.79	1.88
41	189	-2441.5	2305.1	109.9	0.36	0.46	-1.28
	159	1481.5	1694.9	-109.9	-0.36	-0.65	1.78
42	189	-1041.5	4517.8	-223.9	0.59	0.22	1.16
	159	81.5	-517.8	223.9	-0.59	0.15	2.98
43	189	443.5	1327.1	-849.1	-0.06	1.20	-2.08
	159	-1403.5	2672.9	849.1	0.06	0.26	1.35
44	189	269.7	1662.3	-2649.0	0.50	3.41	-2.46
	159	-1229.7	2337.7	2649.0	-0.50	1.02	1.53
45	189	-332.4	3052.2	2318.4	-0.45	-2.84	0.76
	159	-627.6	947.8	-2318.4	0.45	-0.97	2.23
46	189	-1171.3	4866.1	3233.5	-0.24	-4.10	2.82
	159	211.3	-866.1	-3233.5	0.24	-1.26	3.15
47	189	-2352.7	7373.3	2201.3	0.67	-2.98	4.78
	159	1392.7	-3373.3	-2201.3	-0.67	-0.72	4.44
48	189	-2526.5	7708.5	401.4	1.23	-0.76	4.41
	159	1566.5	-3708.5	-401.4	-1.23	0.04	4.61
49	189	-911.8	4169.6	-3681.3	1.41	4.53	-0.50
	159	-48.2	-169.6	3681.3	-1.41	1.56	2.81
50	189	-1750.7	5983.5	-2766.1	1.63	3.28	1.56
	159	790.7	-1983.5	2766.1	-1.63	1.27	3.73
51	189	440.2	980.5	-618.8	-0.21	0.91	-2.18
	159	-1400.2	3019.5	618.8	0.21	0.16	0.51
52	189	298.5	1253.9	-2062.1	0.24	2.69	-1.88
	159	-1258.5	2746.1	2062.1	-0.24	0.77	0.65
53	189	-192.6	2386.8	1917.6	-0.53	-2.33	-0.59
	159	-767.4	1613.2	-1917.6	0.53	-0.82	1.22
54	189	-876.7	3865.6	2648.4	-0.35	-3.33	1.09
	159	-83.3	134.4	-2648.4	0.35	-1.06	1.97
55	189	-1840.1	5909.8	1817.1	0.38	-2.43	3.41
	159	880.1	-1909.8	-1817.1	-0.38	-0.62	3.02
56	189	-1981.7	6183.2	373.8	0.83	-0.66	3.72
	159	1021.7	-2183.2	-373.8	-0.83	-0.01	3.16
57	189	-664.9	3298.2	-2893.4	0.97	3.59	0.44
	159	-295.1	701.8	2893.4	-0.97	1.21	1.69
58	189	-1349.0	4777.0	-2162.6	1.15	2.58	2.12
	159	389.0	-777.0	2162.6	-1.15	0.97	2.45
1	159	393.0	-1588.4	126.7	0.42	-0.10	-2.33
	129	-1641.0	6788.4	-126.7	-0.42	-0.11	-4.56
2	159	774.3	-3465.2	287.8	0.83	-0.21	-4.02
	129	-2022.3	8665.2	-287.8	-0.83	-0.26	-5.96
3	159	2509.6	-1127.9	2646.3	0.98	-1.29	-5.64
	129	-3757.6	6327.9	-2646.3	-0.98	-3.06	-0.50
4	159	3551.9	-383.2	2423.5	0.83	-1.34	-4.50
	129	-4799.9	5583.2	-2423.5	-0.83	-2.65	-0.41
5	159	4459.3	-1799.8	2391.1	0.59	-1.28	-2.78
	129	-5707.3	6999.8	-2391.1	-0.59	-2.65	-4.46
6	159	3906.5	-1887.9	2666.5	0.68	-1.25	-3.98

	129	-5154.5	7087.9	-2666.5	-0.68	-3.14	-3.41
7	159	-2502.5	-4958.4	-1800.6	1.13	0.87	-5.49
	129	1254.5	10158.4	1800.6	-1.13	2.10	-6.95
8	159	-1460.2	-4213.6	-2023.3	0.99	0.82	-4.35
	129	212.2	9413.6	2023.3	-0.99	2.51	-6.86
9	159	-552.7	-5630.2	-2055.7	0.74	0.87	-2.63
	129	-695.3	10830.2	2055.7	-0.74	2.51	-10.91
10	159	-1105.6	-5718.3	-1780.4	0.84	0.91	-3.83
	129	-142.4	10918.3	1780.4	-0.84	2.02	-9.86
11	159	1805.1	91.8	2655.8	0.92	-1.24	-5.82
	129	-3053.1	5108.2	-2655.8	-0.92	-3.13	1.69
12	159	-3206.9	-3738.6	-1791.1	1.07	0.92	-5.67
	129	1958.9	8938.6	1791.1	-1.07	2.03	-4.76
13	159	3542.3	1333.1	2284.6	0.68	-1.32	-3.93
	129	-4790.3	3866.9	-2284.6	-0.68	-2.44	1.84
14	159	-1469.8	-2497.3	-2162.3	0.83	0.84	-3.78
	129	221.8	7697.3	2162.3	-0.83	2.72	-4.61
15	159	5054.7	-1028.0	2230.6	0.27	-1.22	-1.06
	129	-6302.7	6228.0	-2230.6	-0.27	-2.45	-4.91
16	159	42.7	-4858.4	-2216.3	0.42	0.94	-0.91
	129	-1290.7	10058.4	2216.3	-0.42	2.71	-11.36
17	159	4133.3	-1174.8	2689.5	0.43	-1.17	-3.05
	129	-5381.3	6374.8	-2689.5	-0.43	-3.26	-3.16
18	159	-878.8	-5005.3	-1757.4	0.58	0.99	-2.90
	129	-369.2	10205.3	1757.4	-0.58	1.90	-9.61
19	159	3989.6	1087.3	4048.0	0.72	-1.96	-4.84
	129	-5237.6	4112.7	-4048.0	-0.72	-4.70	2.35
20	159	-4363.8	-5296.8	-3363.4	0.98	1.64	-4.60
	129	3115.8	10496.8	3363.4	-0.98	3.89	-8.40
21	159	5031.9	1832.1	3825.3	0.57	-2.01	-3.71
	129	-6279.9	3367.9	-3825.3	-0.57	-4.29	2.44
22	159	-3321.5	-4552.0	-3586.1	0.83	1.59	-3.46
	129	2073.5	9752.0	3586.1	-0.83	4.31	-8.31
23	159	5939.4	415.4	3792.9	0.33	-1.95	-1.99
	129	-7187.4	4784.6	-3792.9	-0.33	-4.29	-1.61
24	159	-2414.0	-5968.6	-3618.5	0.58	1.65	-1.74
	129	1166.0	11168.6	3618.5	-0.58	4.30	-12.36
25	159	5386.6	327.3	4068.2	0.42	-1.91	-3.18
	129	-6634.6	4872.7	-4068.2	-0.42	-4.78	-0.56
26	159	-2966.9	-6056.8	-3343.2	0.68	1.68	-2.94
	129	1718.9	11256.8	3343.2	-0.68	3.82	-11.31
27	159	3252.1	-5262.5	-811.6	-0.04	-0.25	-1.25
	129	-4212.1	9262.5	811.6	0.04	1.43	-10.69
28	159	2959.3	-4950.0	-1605.3	0.50	-0.98	-1.44
	129	-3919.3	8950.0	1605.3	-0.50	3.38	-10.00
29	159	1834.0	-3654.5	1103.1	-0.41	0.91	-2.17
	129	-2794.0	7654.5	-1103.1	0.41	-2.66	-7.14
30	159	-162.2	-1442.9	627.8	0.69	-0.01	-3.43
	129	-797.8	5442.9	-627.8	-0.69	-0.96	-2.23
31	159	-1775.5	373.5	2013.4	0.67	0.68	-4.46
	129	815.5	3626.5	-2013.4	-0.67	-3.76	1.79
32	159	-2068.2	686.0	1219.7	1.21	-0.05	-4.65
	129	1108.2	3314.0	-1219.7	-1.21	-1.81	2.48
33	159	858.1	-2612.8	-1542.5	1.37	-1.49	-2.77
	129	-1818.1	6612.8	1542.5	-1.37	3.84	-4.82
34	159	-650.2	-922.0	-695.0	1.58	-1.21	-3.73

	129	-309.8	4922.0	695.0	-1.58	2.28	-1.07
35	159	464.9	-1662.7	150.4	0.45	-0.11	-2.39
	129	-1424.9	5662.7	-150.4	-0.45	-0.14	-3.64
36	159	-176.0	-755.7	186.7	0.46	-0.08	-2.85
	129	-784.0	4755.7	-186.7	-0.46	-0.23	-1.68
37	159	518.8	-259.2	38.2	0.36	-0.11	-2.10
	129	-1478.8	4259.2	-38.2	-0.36	0.05	-1.62
38	159	1123.8	-1203.6	16.6	0.20	-0.07	-0.95
	129	-2083.8	5203.6	-16.6	-0.20	0.04	-4.32
39	159	755.2	-1262.4	200.2	0.26	-0.05	-1.75
	129	-1715.2	5262.4	-200.2	-0.26	-0.28	-3.62
40	159	2008.5	239.8	1579.0	0.26	-0.79	-1.87
	129	-2968.5	3760.2	-1579.0	-0.26	-1.80	-1.02
41	159	-1332.9	-2313.9	-1385.6	0.36	0.65	-1.78
	129	372.9	6313.9	1385.6	-0.36	1.63	-5.32
42	159	591.9	-2288.3	204.0	0.59	-0.15	-2.95
	129	-1551.9	6288.3	-204.0	-0.59	-0.19	-4.11
43	159	3143.0	-5140.0	-825.7	-0.06	-0.26	-1.33
	129	-4103.0	9140.0	825.7	0.06	1.46	-10.42
44	159	2861.4	-4841.2	-1621.2	0.50	-1.02	-1.50
	129	-3821.4	8841.2	1621.2	-0.50	3.47	-9.76
45	159	1784.4	-3596.9	1101.5	-0.45	0.97	-2.20
	129	-2744.4	7596.9	-1101.5	0.45	-2.74	-7.01
46	159	338.2	-1975.5	1958.0	-0.24	1.26	-3.12
	129	-1298.2	5975.5	-1958.0	0.24	-4.33	-3.42
47	159	-1677.5	264.7	2029.3	0.67	0.72	-4.40
	129	717.5	3735.3	-2029.3	-0.67	-3.84	1.55
48	159	-1959.1	563.5	1233.8	1.23	-0.04	-4.58
	129	999.1	3436.5	-1233.8	-1.23	-1.84	2.21
49	159	845.7	-2601.0	-1550.0	1.41	-1.56	-2.78
	129	-1805.7	6601.0	1550.0	-1.41	3.96	-4.79
50	159	-600.5	-979.6	-693.5	1.63	-1.27	-3.70
	129	-359.5	4979.6	693.5	-1.63	2.37	-1.20
51	159	2417.9	-3362.0	-737.1	-0.21	-0.16	-0.50
	129	-3377.9	7362.0	737.1	0.21	1.24	-8.32
52	159	2188.3	-3118.3	-1373.4	0.24	-0.77	-0.64
	129	-3148.3	7118.3	1373.4	-0.24	2.85	-7.78
53	159	1310.0	-2104.2	811.6	-0.53	0.82	-1.21
	129	-2270.0	6104.2	-811.6	0.53	-2.12	-5.54
54	159	130.9	-782.3	1502.7	-0.35	1.06	-1.97
	129	-1090.9	4782.3	-1502.7	0.35	-3.40	-2.61
55	159	-1512.7	1044.2	1566.7	0.38	0.62	-3.01
	129	552.7	2955.8	-1566.7	-0.38	-3.02	1.44
56	159	-1742.3	1287.9	930.4	0.83	0.01	-3.15
	129	782.3	2712.1	-930.4	-0.83	-1.41	1.98
57	159	544.7	-1291.8	-1309.4	0.97	-1.21	-1.68
	129	-1504.7	5291.8	1309.4	-0.97	3.23	-3.73
58	159	-634.5	30.1	-618.2	1.15	-0.97	-2.44
	129	-325.5	3969.9	618.2	-1.15	1.95	-0.80
1	129	-1609.4	8238.6	-62.5	-0.03	0.07	6.25
	90	-126.1	-1007.3	62.5	0.03	0.08	4.33
2	129	-1916.6	10566.2	-57.0	-0.06	0.01	8.54
	90	181.1	-3334.9	57.0	0.06	0.12	7.37
3	129	10549.8	13144.9	-858.4	0.16	0.69	13.92
	90	-12285.3	-5913.7	858.4	-0.16	1.28	7.89

	129	14967.5	11568.6	-989.2	0.13	0.88	11.95
	90	-16703.0	-4337.3	989.2	-0.13	1.39	6.25
5	129	12865.9	7442.6	-1080.7	0.15	1.14	4.74
	90	-14601.4	-211.4	1080.7	-0.15	1.33	4.02
6	129	11361.6	9499.1	-945.9	0.18	0.92	7.93
	90	-13097.1	-2267.8	945.9	-0.18	1.24	5.53
7	129	-16547.5	14352.6	993.3	-0.26	-1.17	13.33
	90	14812.0	-7121.4	-993.3	0.26	-1.10	11.24
8	129	-12129.8	12776.2	862.6	-0.29	-0.98	11.36
	90	10394.3	-5545.0	-862.6	0.29	-0.99	9.60
9	129	-14231.4	8650.3	771.0	-0.27	-0.72	4.15
	90	12495.9	-1419.1	-771.0	0.27	-1.05	7.37
10	129	-15735.7	10706.7	905.9	-0.24	-0.94	7.34
	90	14000.2	-3475.5	-905.9	0.24	-1.13	8.89
11	129	9981.9	14102.9	-778.3	0.17	0.55	16.17
	90	-11717.4	-6871.6	778.3	-0.17	1.24	7.83
12	129	-17115.3	15310.6	1073.4	-0.25	-1.31	15.58
	90	15379.8	-8079.3	-1073.4	0.25	-1.14	11.18
13	129	17344.7	11475.6	-996.2	0.12	0.86	12.88
	90	-19080.2	-4244.3	996.2	-0.12	1.42	5.10
14	129	-9752.5	12683.3	855.6	-0.30	-1.00	12.30
	90	8017.0	-5452.0	-855.6	0.30	-0.96	8.45
15	129	13842.0	4599.0	-1148.7	0.16	1.30	0.87
	90	-15577.5	2632.2	1148.7	-0.16	1.33	1.39
16	129	-13255.3	5806.7	703.1	-0.26	-0.56	0.28
	90	11519.8	1424.5	-703.1	0.26	-1.05	4.74
17	129	11334.9	8026.4	-924.0	0.21	0.93	6.18
	90	-13070.4	-795.2	924.0	-0.21	1.18	3.91
18	129	-15762.4	9234.1	927.8	-0.21	-0.92	5.60
	90	14026.9	-2002.8	-927.8	0.21	-1.20	7.26
19	129	19735.8	11578.6	-1478.5	0.31	1.33	12.97
	90	-21471.3	-4347.3	1478.5	-0.31	2.05	5.25
20	129	-25426.3	13591.4	1607.8	-0.39	-1.76	11.99
	90	23690.8	-6360.1	-1607.8	0.39	-1.92	10.83
21	129	24153.5	10002.2	-1609.2	0.28	1.52	11.00
	90	-25889.0	-2771.0	1609.2	-0.28	2.16	3.61
22	129	-21008.6	12015.0	1477.0	-0.42	-1.58	10.02
	90	19273.1	-4783.8	-1477.0	0.42	-1.80	9.20
23	129	22051.9	5876.3	-1700.7	0.31	1.79	3.79
	90	-23787.4	1355.0	1700.7	-0.31	2.10	1.38
24	129	-23110.2	7889.1	1385.5	-0.40	-1.31	2.81
	90	21374.7	-657.8	-1385.5	0.40	-1.86	6.97
25	129	20547.6	7932.7	-1565.9	0.34	1.57	6.98
	90	-22283.1	-701.5	1565.9	-0.34	2.02	2.90
26	129	-24614.5	9945.5	1520.4	-0.37	-1.53	6.00
	90	22879.0	-2714.3	-1520.4	0.37	-1.95	8.48
27	129	1812.0	3053.7	541.5	0.06	-0.53	-2.85
	90	-3147.0	2508.8	-541.5	-0.06	0.19	3.47
28	129	1481.1	3553.9	199.4	-0.01	-1.74	-1.90
	90	-2816.1	2008.6	-199.4	0.01	1.16	3.67
29	129	172.9	5597.1	653.2	0.10	1.68	1.99
	90	-1507.9	-34.6	-653.2	-0.10	-1.34	4.45
30	129	-2114.2	9110.9	-163.3	-0.05	0.35	8.68
	90	779.2	-3548.4	163.3	0.05	-0.09	5.80
31	129	-3973.8	11987.7	-279.6	-0.06	1.75	14.16
	90	2638.8	-6425.2	279.6	0.06	-0.98	6.90

	129	-4304.6	12487.9	-621.7	-0.12	0.54	15.11
	90	2969.6	-6925.4	621.7	0.12	-0.02	7.10
33	129	-929.9	7264.3	-487.1	-0.13	-2.36	5.17
	90	-405.1	-1701.8	487.1	0.13	1.87	5.09
34	129	-2665.6	9944.5	-733.4	-0.16	-1.68	10.27
	90	1330.6	-4382.0	733.4	0.16	1.52	6.12
35	129	-1143.9	6994.9	-41.9	-0.03	0.02	5.37
	90	-191.1	-1432.4	41.9	0.03	0.07	4.27
36	129	-1763.0	8340.8	39.1	-0.02	-0.13	8.00
	90	428.0	-2778.3	-39.1	0.02	0.04	4.72
37	129	1182.1	7289.9	-48.0	-0.04	-0.00	6.69
	90	-2517.1	-1727.4	48.0	0.04	0.11	3.63
38	129	-219.0	4539.3	-109.0	-0.02	0.17	1.88
	90	-1116.0	1023.2	109.0	0.02	0.08	2.14
39	129	-1221.8	5910.2	-19.1	0.00	0.03	4.01
	90	-113.2	-347.7	19.1	-0.00	0.02	3.15
40	129	7990.9	5816.5	-661.0	0.12	0.66	4.80
	90	-9325.9	-254.0	661.0	-0.12	0.85	2.14
41	129	-10073.9	6621.6	573.5	-0.16	-0.58	4.41
	90	8738.9	-1059.1	-573.5	0.16	-0.73	4.38
42	129	-1246.3	7770.8	-40.1	-0.03	0.00	6.13
	90	-88.7	-2208.3	40.1	0.03	0.09	5.29
43	129	1685.3	3248.9	488.2	0.05	-0.47	-2.48
	90	-3020.3	2313.6	-488.2	-0.05	0.20	3.55
44	129	1367.7	3727.3	173.7	-0.01	-1.69	-1.57
	90	-2702.7	1835.2	-173.7	0.01	1.20	3.73
45	129	114.8	5688.6	595.4	0.09	1.72	2.17
	90	-1449.8	-126.1	-595.4	-0.09	-1.41	4.49
46	129	-1548.9	8258.3	372.8	0.06	2.37	7.06
	90	213.9	-2695.8	-372.8	-0.06	-1.78	5.47
47	129	-3860.4	11814.3	-253.9	-0.05	1.70	13.83
	90	2525.4	-6251.8	253.9	0.05	-1.03	6.84
48	129	-4177.9	12292.7	-568.4	-0.12	0.48	14.74
	90	2842.9	-6730.2	568.4	0.12	-0.02	7.02
49	129	-943.7	7283.4	-453.0	-0.13	-2.36	5.20
	90	-391.3	-1720.9	453.0	0.13	1.95	5.10
50	129	-2607.4	9853.0	-675.6	-0.16	-1.71	10.10
	90	1272.4	-4290.5	675.6	0.16	1.58	6.09
51	129	1348.8	2532.3	386.4	0.05	-0.34	-2.41
	90	-2683.8	3030.2	-386.4	-0.05	0.14	1.84
52	129	1089.8	2922.5	130.2	-0.00	-1.33	-1.67
	90	-2424.8	2640.0	-130.2	0.00	0.95	1.99
53	129	68.3	4521.2	473.8	0.08	1.42	1.37
	90	-1403.3	1041.3	-473.8	-0.08	-1.14	2.61
54	129	-1288.2	6616.2	292.5	0.06	1.95	5.36
	90	-46.8	-1053.7	-292.5	-0.06	-1.44	3.41
55	129	-3172.8	9515.6	-217.8	-0.03	1.41	10.89
	90	1837.8	-3953.1	217.8	0.03	-0.84	4.52
56	129	-3431.8	9905.9	-474.0	-0.09	0.43	11.63
	90	2096.8	-4343.4	474.0	0.09	-0.03	4.67
57	129	-794.8	5821.9	-380.1	-0.09	-1.87	3.85
	90	-540.2	-259.4	380.1	0.09	1.56	3.11
58	129	-2151.3	7916.9	-561.4	-0.12	-1.34	7.84
	90	816.3	-2354.4	561.4	0.12	1.26	3.91
1	90	413.5	-190.1	64.6	-0.03	-0.08	-4.33

	66	-2149.0	7421.3	-64.6	0.03	-0.07	-4.38
2	90	1201.2	-2424.8	144.0	-0.06	-0.12	-7.37
	66	-2936.7	9656.1	-144.0	0.06	-0.21	-6.45
3	90	13667.6	-2162.1	1483.8	0.16	-1.28	-7.88
	66	-15403.1	9393.3	-1483.8	-0.16	-2.12	-5.34
4	90	18085.3	-1422.4	1491.3	0.13	-1.39	-6.25
	66	-19820.8	8653.7	-1491.3	-0.13	-2.02	-5.28
5	90	15983.7	-3811.3	1319.4	0.15	-1.33	-4.02
	66	-17719.2	11042.6	-1319.4	-0.15	-1.69	-12.97
6	90	14479.4	-3491.9	1357.0	0.18	-1.24	-5.53
	66	-16214.9	10723.2	-1357.0	-0.18	-1.86	-10.73
7	90	-13429.6	-954.4	-1012.9	-0.26	1.10	-11.23
	66	11694.1	8185.7	1012.9	0.26	1.22	0.78
8	90	-9011.9	-214.8	-1005.4	-0.29	0.99	-9.60
	66	7276.4	7446.0	1005.4	0.29	1.31	0.83
9	90	-11113.6	-2603.6	-1177.3	-0.27	1.05	-7.37
	66	9378.1	9834.9	1177.3	0.27	1.65	-6.86
10	90	-12617.9	-2284.2	-1139.7	-0.24	1.13	-8.88
	66	10882.4	9515.5	1139.7	0.24	1.47	-4.62
11	90	12552.3	-467.0	1505.0	0.17	-1.24	-7.83
	66	-14287.8	7698.3	-1505.0	-0.17	-2.21	-1.52
12	90	-14545.0	740.6	-991.7	-0.25	1.14	-11.18
	66	12809.5	6490.6	991.7	0.25	1.13	4.60
13	90	19915.1	765.7	1517.6	0.12	-1.42	-5.10
	66	-21650.6	6465.5	-1517.6	-0.12	-2.05	-1.42
14	90	-7182.2	1973.4	-979.1	-0.30	0.96	-8.45
	66	5446.7	5257.8	979.1	0.30	1.28	4.69
15	90	16412.4	-3215.8	1231.0	0.16	-1.33	-1.39
	66	-18147.9	10447.0	-1231.0	-0.16	-1.49	-14.24
16	90	-10684.9	-2008.1	-1265.7	-0.26	1.05	-4.74
	66	8949.4	9239.3	1265.7	0.26	1.85	-8.13
17	90	13905.2	-2683.4	1293.7	0.21	-1.18	-3.91
	66	-15640.7	9914.7	-1293.7	-0.21	-1.78	-10.50
18	90	-13192.0	-1475.7	-1203.0	-0.21	1.20	-7.26
	66	11456.5	8707.0	1203.0	0.21	1.55	-4.39
19	90	22306.2	-1447.3	2276.3	0.31	-2.05	-5.25
	66	-24041.7	8678.6	-2276.3	-0.31	-3.16	-6.34
20	90	-22855.9	565.5	-1884.9	-0.39	1.92	-10.83
	66	21120.4	6665.7	1884.9	0.39	2.40	3.85
21	90	26723.9	-707.6	2283.8	0.28	-2.16	-3.61
	66	-28459.4	7938.9	-2283.8	-0.28	-3.07	-6.28
22	90	-18438.2	1305.2	-1877.4	-0.42	1.80	-9.20
	66	16702.7	5926.1	1877.4	0.42	2.49	3.91
23	90	24622.3	-3096.5	2111.9	0.31	-2.10	-1.39
	66	-26357.8	10327.8	-2111.9	-0.31	-2.73	-13.97
24	90	-20539.9	-1083.7	-2049.3	-0.40	1.86	-6.97
	66	18804.4	8315.0	2049.3	0.40	2.83	-3.78
25	90	23118.0	-2777.1	2149.5	0.34	-2.02	-2.90
	66	-24853.5	10008.4	-2149.5	-0.34	-2.90	-11.73
26	90	-22044.2	-764.3	-2011.7	-0.37	1.95	-8.48
	66	20308.7	7995.6	2011.7	0.37	2.65	-1.54
27	90	5617.0	-5885.6	362.3	0.06	-0.19	-3.48
	66	-6952.0	11448.1	-362.3	-0.06	-0.72	-16.35
28	90	5120.1	-5437.5	1794.0	-0.01	-1.16	-3.67
	66	-6455.1	11000.0	-1794.0	0.01	-3.07	-15.14
29	90	3148.5	-3598.6	-1987.5	0.10	1.34	-4.45

	66	-4483.5	9161.1	1987.5	-0.10	3.24	-10.15
30	90	-292.3	-443.2	-183.7	-0.05	0.09	-5.80
	66	-1042.7	6005.7	183.7	0.05	0.36	-1.58
31	90	-3092.1	2142.7	-1579.1	-0.06	0.98	-6.90
	66	1757.1	3419.8	1579.1	0.06	2.75	5.44
32	90	-3588.9	2590.8	-147.4	-0.12	0.02	-7.09
	66	2253.9	2971.7	147.4	0.12	0.40	6.66
33	90	1492.3	-2104.7	2784.8	-0.13	-1.87	-5.09
	66	-2827.3	7667.2	-2784.8	0.13	-4.60	-6.09
34	90	-1120.4	303.8	2202.4	-0.16	-1.52	-6.12
	66	-214.6	5258.7	-2202.4	0.16	-3.56	0.45
35	90	751.5	-902.5	81.0	-0.03	-0.07	-4.27
	66	-2086.5	6465.0	-81.0	0.03	-0.11	-4.16
36	90	-232.6	420.1	115.4	-0.02	-0.04	-4.72
	66	-1102.4	5142.4	-115.4	0.02	-0.23	-0.68
37	90	2712.5	913.2	120.4	-0.04	-0.11	-3.63
	66	-4047.5	4649.3	-120.4	0.04	-0.16	-0.64
38	90	1311.4	-679.4	5.8	-0.02	-0.08	-2.14
	66	-2646.4	6241.9	-5.8	0.02	0.06	-5.77
39	90	308.6	-466.4	30.9	0.00	-0.02	-3.15
	66	-1643.6	6028.9	-30.9	-0.00	-0.05	-4.28
40	90	9521.3	-560.2	886.7	0.12	-0.85	-2.14
	66	-10856.3	6122.7	-886.7	-0.12	-1.18	-5.50
41	90	-8543.5	245.0	-777.8	-0.16	0.73	-4.38
	66	7208.5	5317.5	777.8	0.16	1.05	-1.43
42	90	1014.0	-1647.4	107.5	-0.03	-0.09	-5.29
	66	-2349.0	7209.9	-107.5	0.03	-0.16	-4.85
43	90	5419.5	-5712.1	347.4	0.05	-0.20	-3.55
	66	-6754.5	11274.6	-347.4	-0.05	-0.67	-15.88
44	90	4945.6	-5282.9	1843.7	-0.01	-1.20	-3.74
	66	-6280.6	10845.4	-1843.7	0.01	-3.12	-14.72
45	90	3054.5	-3517.7	-2090.0	0.09	1.41	-4.49
	66	-4389.5	9080.2	2090.0	-0.09	3.40	-9.93
46	90	553.4	-1207.6	-2682.8	0.06	1.78	-5.47
	66	-1888.4	6770.1	2682.8	-0.06	4.44	-3.66
47	90	-2917.5	1988.1	-1628.7	-0.05	1.03	-6.83
	66	1582.5	3574.4	1628.7	0.05	2.80	5.02
48	90	-3391.5	2417.3	-132.4	-0.12	0.02	-7.02
	66	2056.5	3145.2	132.4	0.12	0.35	6.19
49	90	1474.7	-2087.2	2897.7	-0.13	-1.95	-5.10
	66	-2809.7	7649.7	-2897.7	0.13	-4.76	-6.04
50	90	-1026.4	222.9	2304.9	-0.16	-1.58	-6.08
	66	-308.6	5339.6	-2304.9	0.16	-3.72	0.23
51	90	4080.8	-3471.6	247.7	0.05	-0.14	-1.85
	66	-5415.8	9034.1	-247.7	-0.05	-0.48	-12.46
52	90	3694.3	-3121.5	1450.7	-0.00	-0.95	-2.00
	66	-5029.3	8684.0	-1450.7	0.00	-2.45	-11.51
53	90	2152.6	-1682.7	-1712.1	0.08	1.14	-2.61
	66	-3487.6	7245.2	1712.1	-0.08	2.80	-7.61
54	90	113.4	200.7	-2188.9	0.06	1.44	-3.41
	66	-1448.4	5361.8	2188.9	-0.06	3.64	-2.49
55	90	-2716.5	2806.3	-1341.8	-0.03	0.84	-4.52
	66	1381.5	2756.2	1341.8	0.03	2.32	4.58
56	90	-3103.0	3156.4	-138.8	-0.09	0.03	-4.67
	66	1768.0	2406.1	138.8	0.09	0.35	5.53
57	90	864.4	-515.9	2297.9	-0.09	-1.56	-3.11

	66	-2199.4	6078.4	-2297.9	0.09	-3.77	-4.44
58	90	-1174.8	1367.5	1821.0	-0.12	-1.26	-3.91
	66	-160.2	4195.0	-1821.0	0.12	-2.93	0.68
1	188	-79.2	552.2	-20.3	0.04	0.04	0.04
	158	-21.5	-132.9	20.3	-0.04	-0.00	0.52
2	188	-183.5	1504.9	-46.1	0.12	0.08	0.18
	158	82.9	-1085.6	46.1	-0.12	-0.00	1.95
3	188	-1495.9	2048.2	-152.1	0.16	0.20	0.29
	158	1395.2	-1628.9	152.1	-0.16	0.06	2.74
4	188	-1297.0	1558.3	-187.9	0.12	0.25	0.22
	158	1196.4	-1139.0	187.9	-0.12	0.06	2.00
5	188	-1121.9	1167.3	-196.3	0.09	0.27	0.16
	158	1021.3	-748.0	196.3	-0.09	0.05	1.42
6	188	-1283.8	1542.7	-166.0	0.12	0.22	0.21
	158	1183.2	-1123.4	166.0	-0.12	0.05	1.98
7	188	723.4	1968.0	110.3	0.17	-0.13	0.22
	158	-824.0	-1548.7	-110.3	-0.17	-0.06	2.67
8	188	922.2	1478.1	74.6	0.12	-0.07	0.15
	158	-1022.9	-1058.8	-74.6	-0.12	-0.05	1.93
9	188	1097.3	1087.2	66.2	0.09	-0.05	0.09
	158	-1198.0	-667.9	-66.2	-0.09	-0.06	1.35
10	188	935.4	1462.6	96.5	0.12	-0.10	0.15
	158	-1036.1	-1043.2	-96.5	-0.12	-0.06	1.91
11	188	-1578.8	1907.3	-122.5	0.15	0.15	0.27
	158	1478.2	-1488.0	122.5	-0.15	0.06	2.52
12	188	640.4	1827.1	140.0	0.15	-0.18	0.21
	158	-741.0	-1407.8	-140.0	-0.15	-0.05	2.45
13	188	-1247.5	1090.8	-182.1	0.08	0.24	0.15
	158	1146.8	-671.5	182.1	-0.08	0.06	1.30
14	188	971.8	1010.6	80.4	0.08	-0.08	0.09
	158	-1072.4	-591.3	-80.4	-0.08	-0.05	1.23
15	188	-955.6	439.2	-196.1	0.02	0.27	0.05
	158	855.0	-19.9	196.1	-0.02	0.05	0.33
16	188	1263.6	359.0	66.4	0.03	-0.05	-0.01
	158	-1364.3	60.3	-66.4	-0.03	-0.06	0.26
17	188	-1225.4	1064.8	-145.6	0.08	0.19	0.14
	158	1124.8	-645.5	145.6	-0.08	0.05	1.27
18	188	993.8	984.7	116.9	0.08	-0.13	0.08
	158	-1094.5	-565.3	-116.9	-0.08	-0.06	1.20
19	188	-2183.4	1598.6	-226.7	0.12	0.28	0.24
	158	2082.8	-1179.2	226.7	-0.12	0.09	2.05
20	188	1515.3	1465.0	210.7	0.13	-0.25	0.13
	158	-1615.9	-1045.6	-210.7	-0.13	-0.09	1.93
21	188	-1984.6	1108.7	-262.5	0.08	0.34	0.17
	158	1884.0	-689.3	262.5	-0.08	0.09	1.31
22	188	1714.1	975.1	174.9	0.08	-0.20	0.06
	158	-1814.8	-555.7	-174.9	-0.08	-0.09	1.20
23	188	-1809.5	717.7	-270.9	0.04	0.36	0.11
	158	1708.9	-298.4	270.9	-0.04	0.09	0.73
24	188	1889.2	584.1	166.6	0.05	-0.18	0.00
	158	-1989.9	-164.8	-166.6	-0.05	-0.10	0.61
25	188	-1971.4	1093.1	-240.6	0.08	0.31	0.16
	158	1870.7	-673.7	240.6	-0.08	0.09	1.29
26	188	1727.4	959.5	196.9	0.08	-0.23	0.06
	158	-1828.0	-540.1	-196.9	-0.08	-0.10	1.18

	188	83.7	982.4	-114.7	0.08	0.19	0.11
	158	-161.1	-659.9	114.7	-0.08	0.01	1.24
28	188	-37.7	969.0	-207.5	0.08	0.31	0.09
	158	-39.7	-646.4	207.5	-0.08	0.05	1.23
29	188	119.4	1043.7	83.8	0.08	-0.08	0.14
	158	-196.8	-721.2	-83.8	-0.08	-0.06	1.32
30	188	-173.8	1060.4	6.3	0.08	-0.00	0.13
	158	96.4	-737.8	-6.3	-0.08	-0.01	1.35
31	188	-219.1	1112.7	142.9	0.09	-0.20	0.15
	158	141.7	-790.1	-142.9	-0.09	-0.05	1.42
32	188	-340.5	1099.2	50.0	0.09	-0.08	0.13
	158	263.1	-776.6	-50.0	-0.09	-0.01	1.41
33	188	-285.3	998.9	-225.7	0.08	0.31	0.09
	158	207.9	-676.3	225.7	-0.08	0.07	1.28
34	188	-376.1	1037.9	-148.4	0.08	0.19	0.10
	158	298.7	-715.4	148.4	-0.08	0.05	1.33
35	188	-93.6	723.2	-23.7	0.06	0.04	0.08
	158	16.2	-400.7	23.7	-0.06	-0.00	0.85
36	188	-194.0	741.1	1.6	0.06	-0.00	0.08
	158	116.6	-418.6	-1.6	-0.06	-0.00	0.87
37	188	-61.4	414.5	-22.2	0.03	0.04	0.03
	158	-16.0	-92.0	22.2	-0.03	-0.00	0.38
38	188	55.3	153.9	-27.8	0.00	0.05	-0.01
	158	-132.7	168.7	27.8	-0.00	-0.00	-0.01
39	188	-52.6	404.1	-7.6	0.03	0.02	0.03
	158	-24.8	-81.6	7.6	-0.03	-0.00	0.37
40	188	-798.6	432.4	-102.6	0.03	0.13	0.05
	158	721.2	-109.8	102.6	-0.03	0.04	0.39
41	188	680.9	378.9	72.3	0.03	-0.08	0.01
	158	-758.3	-56.4	-72.3	-0.03	-0.04	0.35
42	188	-128.4	1040.8	-32.3	0.08	0.05	0.12
	158	51.0	-718.3	32.3	-0.08	-0.00	1.33
43	188	82.4	985.2	-116.7	0.08	0.19	0.11
	158	-159.8	-662.6	116.7	-0.08	0.01	1.24
44	188	-44.1	971.6	-213.2	0.08	0.31	0.09
	158	-33.3	-649.1	213.2	-0.08	0.05	1.23
45	188	126.7	1044.7	88.8	0.08	-0.09	0.14
	158	-204.1	-722.1	-88.8	-0.08	-0.06	1.32
46	188	38.2	1082.1	168.4	0.09	-0.21	0.15
	158	-115.6	-759.6	-168.4	-0.09	-0.08	1.37
47	188	-212.7	1110.0	148.6	0.09	-0.20	0.15
	158	135.3	-787.4	-148.6	-0.09	-0.05	1.42
48	188	-339.2	1096.4	52.0	0.09	-0.08	0.13
	158	261.8	-773.9	-52.0	-0.09	-0.01	1.41
49	188	-295.0	999.5	-233.1	0.08	0.32	0.09
	158	217.5	-676.9	233.1	-0.08	0.07	1.28
50	188	-383.5	1037.0	-153.5	0.08	0.20	0.10
	158	306.1	-714.4	153.5	-0.08	0.06	1.33
51	188	111.5	360.3	-83.2	0.02	0.14	0.02
	158	-188.9	-37.7	83.2	-0.02	0.01	0.31
52	188	10.0	349.4	-160.5	0.02	0.23	0.01
	158	-87.4	-26.8	160.5	-0.02	0.04	0.30
53	188	146.2	408.6	81.7	0.03	-0.09	0.05
	158	-223.6	-86.1	-81.7	-0.03	-0.05	0.36
54	188	74.5	439.1	145.7	0.03	-0.18	0.06
	158	-151.9	-116.6	-145.7	-0.03	-0.06	0.41

	188	-127.7	461.9	130.2	0.03	-0.18	0.05
	158	50.2	-139.4	-130.2	-0.03	-0.04	0.45
56	188	-229.2	451.0	52.9	0.03	-0.08	0.04
	158	151.8	-128.4	-52.9	-0.03	-0.01	0.44
57	188	-192.1	372.2	-176.0	0.03	0.24	0.00
	158	114.7	-49.6	176.0	-0.03	0.06	0.34
58	188	-263.9	402.7	-112.0	0.03	0.14	0.01
	158	186.5	-80.1	112.0	-0.03	0.04	0.38
1	158	238.6	-772.0	-28.2	0.04	0.00	-0.53
	128	-339.3	1191.3	28.2	-0.04	0.04	-1.09
2	158	921.9	-3101.1	-55.5	0.12	0.00	-1.96
	128	-1022.6	3520.4	55.5	-0.12	0.09	-3.48
3	158	-390.4	-4223.8	20.3	0.16	-0.06	-2.75
	128	289.8	4643.1	-20.3	-0.16	0.02	-4.54
4	158	-191.6	-3047.7	-17.1	0.12	-0.06	-2.01
	128	90.9	3467.0	17.1	-0.12	0.08	-3.35
5	158	-16.5	-2189.1	-36.3	0.09	-0.05	-1.43
	128	-84.2	2608.5	36.3	-0.09	0.11	-2.52
6	158	-178.4	-3063.3	-4.9	0.12	-0.05	-1.99
	128	77.7	3482.6	4.9	-0.12	0.06	-3.39
7	158	1828.8	-4303.9	-67.2	0.17	0.06	-2.69
	128	-1929.5	4723.3	67.2	-0.17	0.06	-4.74
8	158	2027.6	-3127.8	-104.7	0.12	0.05	-1.95
	128	-2128.3	3547.2	104.7	-0.12	0.12	-3.54
9	158	2202.7	-2269.3	-123.9	0.09	0.06	-1.36
	128	-2303.4	2688.6	123.9	-0.09	0.14	-2.72
10	158	2040.9	-3143.4	-92.5	0.12	0.06	-1.93
	128	-2141.5	3562.8	92.5	-0.12	0.09	-3.59
11	158	-867.2	-3834.5	55.3	0.15	-0.06	-2.54
	128	766.6	4253.8	-55.3	-0.15	-0.03	-4.12
12	158	1352.0	-3914.6	-32.2	0.15	0.05	-2.47
	128	-1452.7	4334.0	32.2	-0.15	-0.00	-4.32
13	158	-535.8	-1874.3	-7.1	0.08	-0.06	-1.31
	128	435.2	2293.6	7.1	-0.08	0.07	-2.12
14	158	1683.4	-1954.5	-94.7	0.08	0.05	-1.24
	128	-1784.0	2373.8	94.7	-0.08	0.10	-2.32
15	158	-244.0	-443.4	-39.0	0.02	-0.05	-0.33
	128	143.4	862.7	39.0	-0.02	0.12	-0.75
16	158	1975.2	-523.6	-126.6	0.03	0.06	-0.26
	128	-2075.9	942.9	126.6	-0.03	0.15	-0.95
17	158	-513.8	-1900.3	13.3	0.08	-0.05	-1.27
	128	413.1	2319.6	-13.3	-0.08	0.03	-2.20
18	158	1705.4	-1980.4	-74.3	0.08	0.06	-1.20
	128	-1806.1	2399.8	74.3	-0.08	0.06	-2.40
19	158	-1471.8	-3032.5	63.2	0.12	-0.09	-2.06
	128	1371.2	3451.9	-63.2	-0.12	-0.01	-3.28
20	158	2226.9	-3166.1	-82.8	0.13	0.09	-1.94
	128	-2327.6	3585.5	82.8	-0.13	0.04	-3.61
21	158	-1273.0	-1856.4	25.7	0.08	-0.09	-1.32
	128	1172.3	2275.8	-25.7	-0.08	0.05	-2.08
22	158	2425.7	-1990.0	-120.2	0.08	0.09	-1.20
	128	-2526.4	2409.4	120.2	-0.08	0.11	-2.41
23	158	-1097.9	-997.9	6.5	0.04	-0.09	-0.73
	128	997.2	1417.2	-6.5	-0.04	0.08	-1.26
24	158	2600.8	-1131.5	-139.4	0.05	0.10	-0.62

	128	-2701.5	1550.8	139.4	-0.05	0.13	-1.59
25	158	-1259.8	-1872.0	37.9	0.08	-0.09	-1.30
	128	1159.1	2291.3	-37.9	-0.08	0.03	-2.13
26	158	2439.0	-2005.6	-108.0	0.08	0.10	-1.18
	128	-2539.6	2425.0	108.0	-0.08	0.08	-2.46
27	158	1059.1	-2052.8	-126.7	0.08	-0.01	-1.25
	128	-1136.5	2375.4	126.7	-0.08	0.21	-2.41
28	158	928.8	-2075.5	-154.4	0.08	-0.05	-1.24
	128	-1006.2	2398.1	154.4	-0.08	0.27	-2.45
29	158	951.3	-2043.5	-23.4	0.08	0.06	-1.32
	128	-1028.7	2366.1	23.4	-0.08	0.02	-2.32
30	158	511.3	-2096.1	-8.8	0.08	0.01	-1.36
	128	-588.7	2418.7	8.8	-0.08	0.01	-2.35
31	158	316.6	-2102.0	76.0	0.09	0.05	-1.43
	128	-394.0	2424.5	-76.0	-0.09	-0.14	-2.28
32	158	186.3	-2124.6	48.3	0.09	0.01	-1.42
	128	-263.7	2447.2	-48.3	-0.09	-0.08	-2.32
33	158	516.8	-2119.2	-115.9	0.08	-0.07	-1.29
	128	-594.3	2441.7	115.9	-0.08	0.21	-2.45
34	158	294.1	-2133.9	-55.1	0.08	-0.05	-1.34
	128	-371.5	2456.5	55.1	-0.08	0.11	-2.41
35	158	394.9	-1312.4	-30.1	0.06	0.00	-0.85
	128	-472.3	1634.9	30.1	-0.06	0.05	-1.57
36	158	32.0	-1311.2	0.4	0.06	0.00	-0.88
	128	-109.4	1633.8	-0.4	-0.06	-0.00	-1.54
37	158	164.6	-527.2	-24.6	0.03	0.00	-0.39
	128	-242.0	849.7	24.6	-0.03	0.04	-0.75
38	158	281.3	45.2	-37.4	0.00	0.00	0.01
	128	-358.7	277.4	37.4	-0.00	0.06	-0.20
39	158	173.4	-537.6	-16.5	0.03	0.00	-0.37
	128	-250.8	860.1	16.5	-0.03	0.02	-0.78
40	158	-572.6	-509.3	8.2	0.03	-0.04	-0.40
	128	495.2	831.9	-8.2	-0.03	0.02	-0.71
41	158	906.9	-562.7	-50.2	0.03	0.04	-0.35
	128	-984.3	885.3	50.2	-0.03	0.04	-0.84
42	158	622.7	-2088.7	-39.2	0.08	0.00	-1.33
	128	-700.1	2411.3	39.2	-0.08	0.06	-2.37
43	158	1045.1	-2053.0	-127.7	0.08	-0.01	-1.25
	128	-1122.5	2375.6	127.7	-0.08	0.21	-2.41
44	158	910.0	-2076.5	-153.1	0.08	-0.05	-1.24
	128	-987.4	2399.1	153.1	-0.08	0.27	-2.45
45	158	954.3	-2042.4	-27.3	0.08	0.06	-1.32
	128	-1031.7	2364.9	27.3	-0.08	0.02	-2.32
46	158	741.4	-2056.7	33.4	0.09	0.08	-1.38
	128	-818.8	2379.3	-33.4	-0.09	-0.08	-2.28
47	158	335.4	-2101.0	74.7	0.09	0.05	-1.43
	128	-412.8	2423.5	-74.7	-0.09	-0.14	-2.28
48	158	200.3	-2124.5	49.3	0.09	0.01	-1.42
	128	-277.7	2447.0	-49.3	-0.09	-0.09	-2.33
49	158	504.0	-2120.7	-111.9	0.08	-0.07	-1.29
	128	-581.4	2443.3	111.9	-0.08	0.21	-2.46
50	158	291.1	-2135.1	-51.1	0.08	-0.06	-1.34
	128	-368.5	2457.7	51.1	-0.08	0.10	-2.42
51	158	511.0	-507.0	-93.1	0.02	-0.01	-0.31
	128	-588.4	829.5	93.1	-0.02	0.15	-0.81
52	158	402.3	-525.9	-113.8	0.02	-0.04	-0.30

	128	-479.7	848.5	113.8	-0.02	0.20	-0.84
53	158	435.1	-498.6	-11.3	0.03	0.05	-0.37
	128	-512.5	821.1	11.3	-0.03	0.00	-0.73
54	158	261.4	-510.3	38.1	0.03	0.06	-0.41
	128	-338.8	832.9	-38.1	-0.03	-0.09	-0.70
55	158	-68.0	-546.1	71.7	0.03	0.04	-0.45
	128	-9.4	868.7	-71.7	-0.03	-0.13	-0.70
56	158	-176.6	-565.1	51.1	0.03	0.01	-0.44
	128	99.2	887.7	-51.1	-0.03	-0.09	-0.74
57	158	72.9	-561.7	-80.2	0.03	-0.06	-0.34
	128	-150.4	884.3	80.2	-0.03	0.15	-0.84
58	158	-100.7	-573.5	-30.7	0.03	-0.04	-0.38
	128	23.3	896.0	30.7	-0.03	0.06	-0.81
1	128	-255.0	1210.0	-16.9	0.00	0.04	1.15
	89	115.0	-626.9	16.9	-0.00	0.00	0.96
2	128	-697.1	3522.4	-32.2	0.00	0.07	3.77
	89	557.1	-2939.3	32.2	-0.00	0.01	3.63
3	128	-6926.5	4738.3	-81.3	0.00	0.11	5.23
	89	6786.5	-4155.2	81.3	-0.00	0.07	4.95
4	128	-6868.3	3553.2	-101.6	0.00	0.16	3.88
	89	6728.4	-2970.0	101.6	-0.00	0.08	3.59
5	128	-6787.0	2566.8	-112.1	-0.00	0.18	2.68
	89	6647.1	-1983.7	112.1	0.00	0.07	2.52
6	128	-6778.6	3483.7	-95.2	0.00	0.15	3.75
	89	6638.6	-2900.6	95.2	-0.00	0.07	3.56
7	128	5395.3	4783.2	51.8	0.01	-0.06	5.21
	89	-5535.3	-4200.1	-51.8	-0.01	-0.06	5.07
8	128	5453.5	3598.1	31.6	0.01	-0.01	3.85
	89	-5593.4	-3015.0	-31.6	-0.01	-0.06	3.71
9	128	5534.8	2611.8	21.0	0.01	0.01	2.66
	89	-5674.7	-2028.6	-21.0	-0.01	-0.06	2.65
10	128	5543.2	3528.6	38.0	0.01	-0.02	3.73
	89	-5683.2	-2945.5	-38.0	-0.01	-0.07	3.68
11	128	-6751.1	4407.7	-62.0	0.00	0.07	4.88
	89	6611.1	-3824.5	62.0	-0.00	0.07	4.54
12	128	5570.7	4452.6	71.2	0.01	-0.10	4.86
	89	-5710.7	-3869.5	-71.2	-0.01	-0.06	4.66
13	128	-6654.2	2432.5	-95.8	0.00	0.14	2.63
	89	6514.3	-1849.3	95.8	-0.00	0.08	2.27
14	128	5667.6	2477.4	37.4	0.01	-0.03	2.61
	89	-5807.5	-1894.3	-37.4	-0.01	-0.06	2.39
15	128	-6518.7	788.6	-113.3	-0.00	0.19	0.64
	89	6378.7	-205.5	113.3	0.00	0.07	0.50
16	128	5803.1	833.5	19.8	0.00	0.02	0.62
	89	-5943.1	-250.4	-19.8	-0.00	-0.06	0.62
17	128	-6504.6	2316.7	-85.1	-0.00	0.13	2.42
	89	6364.6	-1733.5	85.1	0.00	0.07	2.22
18	128	5817.2	2361.6	48.1	0.01	-0.04	2.39
	89	-5957.2	-1778.5	-48.1	-0.01	-0.07	2.34
19	128	-10812.7	3567.1	-118.1	0.00	0.15	3.92
	89	10672.7	-2984.0	118.1	-0.00	0.12	3.57
20	128	9723.7	3642.0	103.9	0.01	-0.13	3.89
	89	-9863.6	-3058.9	-103.9	-0.01	-0.11	3.78
21	128	-10754.6	2382.0	-138.3	-0.00	0.20	2.57
	89	10614.6	-1798.9	138.3	0.00	0.12	2.21

	128	9781.8	2456.9	83.6	0.01	-0.09	2.54
	89	-9921.7	-1873.8	-83.6	-0.01	-0.10	2.42
23	128	-10673.2	1395.7	-148.8	-0.00	0.22	1.38
	89	10533.3	-812.5	148.8	0.00	0.12	1.15
24	128	9863.1	1470.6	73.1	0.01	-0.06	1.34
	89	-10003.1	-887.4	-73.1	-0.01	-0.11	1.36
25	128	-10664.8	2312.5	-131.9	-0.00	0.19	2.44
	89	10524.8	-1729.4	131.9	0.00	0.11	2.18
26	128	9871.6	2387.4	90.0	0.01	-0.09	2.41
	89	-10011.5	-1804.3	-90.0	-0.01	-0.11	2.39
27	128	-691.8	2209.5	-60.2	0.00	0.13	2.23
	89	584.2	-1760.9	60.2	-0.00	0.01	2.32
28	128	-1307.2	2233.9	-79.8	0.00	0.17	2.27
	89	1199.5	-1785.3	79.8	-0.00	0.05	2.33
29	128	392.4	2316.5	-4.2	0.00	-0.00	2.40
	89	-500.0	-1868.0	4.2	-0.00	-0.05	2.39
30	128	-319.1	2473.2	-8.6	0.00	0.02	2.65
	89	211.5	-2024.7	8.6	-0.00	-0.00	2.49
31	128	354.9	2596.5	34.2	0.01	-0.08	2.85
	89	-462.5	-2148.0	-34.2	-0.01	-0.04	2.57
32	128	-260.4	2620.9	14.6	0.00	-0.03	2.89
	89	152.8	-2172.3	-14.6	-0.00	-0.00	2.59
33	128	-1658.7	2397.7	-69.6	0.00	0.16	2.53
	89	1551.0	-1949.2	69.6	-0.00	0.08	2.44
34	128	-1344.7	2513.8	-41.3	0.00	0.10	2.72
	89	1237.0	-2065.3	41.3	-0.00	0.06	2.52
35	128	-328.8	1644.4	-17.7	0.00	0.04	1.69
	89	221.1	-1195.8	17.7	-0.00	0.00	1.56
36	128	-227.1	1699.2	-0.9	0.00	0.00	1.78
	89	119.4	-1250.6	0.9	-0.00	0.00	1.60
37	128	-188.3	909.1	-14.4	0.00	0.03	0.88
	89	80.7	-460.5	14.4	-0.00	0.00	0.69
38	128	-134.1	251.5	-21.4	-0.00	0.05	0.08
	89	26.4	197.0	21.4	0.00	0.00	-0.02
39	128	-128.5	862.8	-10.1	0.00	0.02	0.79
	89	20.8	-414.2	10.1	-0.00	0.00	0.67
40	128	-4288.7	858.6	-57.0	-0.00	0.08	0.82
	89	4181.0	-410.1	57.0	0.00	0.05	0.63
41	128	3925.9	888.6	31.8	0.00	-0.03	0.81
	89	-4033.5	-440.0	-31.8	-0.00	-0.04	0.71
42	128	-476.1	2415.2	-22.8	0.00	0.05	2.56
	89	368.5	-1966.6	22.8	-0.00	0.00	2.45
43	128	-696.4	2216.7	-60.1	0.00	0.17	2.24
	89	588.7	-1768.2	60.1	-0.00	0.01	2.32
44	128	-1337.1	2240.5	-78.4	0.00	0.12	2.28
	89	1229.4	-1791.9	78.4	-0.00	0.05	2.34
45	128	429.5	2319.6	-6.3	0.00	0.16	2.41
	89	-537.1	-1871.0	6.3	-0.00	-0.06	2.39
46	128	753.8	2431.5	21.6	0.00	0.10	2.59
	89	-861.5	-1983.0	-21.6	-0.00	-0.07	2.46
47	128	384.8	2589.9	32.9	0.01	-0.03	2.84
	89	-492.4	-2141.3	-32.9	-0.01	-0.04	2.57
48	128	-255.9	2613.6	14.6	0.00	-0.07	2.88
	89	148.2	-2165.1	-14.6	-0.00	-0.00	2.59
49	128	-1706.1	2398.8	-67.2	0.00	0.00	2.53
	89	1598.4	-1950.3	67.2	-0.00	0.08	2.44

	128	-1381.7	2510.8	-39.3	0.00	-0.06	2.71
	89	1274.1	-2062.2	39.3	-0.00	0.07	2.52
51	128	-356.4	711.8	-43.0	-0.00	0.13	0.55
	89	248.7	-263.2	43.0	0.00	0.01	0.57
52	128	-870.3	731.2	-57.8	-0.00	0.09	0.58
	89	762.6	-282.6	57.8	0.00	0.04	0.58
53	128	545.4	795.6	0.8	0.00	0.11	0.69
	89	-653.1	-347.1	-0.8	-0.00	-0.05	0.62
54	128	804.6	886.9	23.5	0.00	0.06	0.83
	89	-912.3	-438.4	-23.5	-0.00	-0.06	0.68
55	128	507.5	1016.1	32.7	0.00	-0.04	1.04
	89	-615.1	-567.5	-32.7	-0.00	-0.04	0.77
56	128	-6.4	1035.4	17.8	0.00	-0.07	1.08
	89	-101.3	-586.9	-17.8	-0.00	-0.00	0.78
57	128	-1167.4	860.3	-48.7	-0.00	-0.01	0.79
	89	1059.7	-411.7	48.7	0.00	0.07	0.66
58	128	-908.2	951.6	-26.0	0.00	-0.06	0.94
	89	800.6	-503.0	26.0	-0.00	0.05	0.73
1	89	172.5	-570.9	-10.5	0.00	-0.00	-0.96
	65	-312.4	1154.1	10.5	-0.00	0.03	-1.02
2	89	825.7	-2822.3	-22.4	0.00	-0.01	-3.63
	65	-965.6	3405.5	22.4	-0.00	0.06	-3.50
3	89	-5403.7	-3923.2	81.8	0.00	-0.07	-4.95
	65	5263.8	4506.3	-81.8	-0.00	-0.12	-4.70
4	89	-5345.6	-2791.5	69.3	0.00	-0.08	-3.59
	65	5205.7	3374.7	-69.3	-0.00	-0.08	-3.47
5	89	-5264.3	-2040.3	55.0	-0.00	-0.07	-2.52
	65	5124.3	2623.4	-55.0	0.00	-0.05	-2.81
6	89	-5255.8	-2861.0	64.1	0.00	-0.07	-3.56
	65	5115.9	3444.2	-64.1	-0.00	-0.08	-3.66
7	89	6918.1	-3878.3	-96.1	0.01	0.06	-5.07
	65	-7058.0	4461.4	96.1	-0.01	0.16	-4.47
8	89	6976.2	-2746.6	-108.6	0.01	0.06	-3.71
	65	-7116.1	3329.7	108.6	-0.01	0.19	-3.24
9	89	7057.5	-1995.3	-122.8	0.01	0.06	-2.65
	65	-7197.5	2578.5	122.8	-0.01	0.22	-2.58
10	89	7066.0	-2816.1	-113.7	0.01	0.07	-3.68
	65	-7205.9	3399.2	113.7	-0.01	0.20	-3.43
11	89	-5776.0	-3516.5	97.8	0.00	-0.07	-4.54
	65	5636.0	4099.6	-97.8	-0.00	-0.15	-4.18
12	89	6545.8	-3471.5	-80.0	0.01	0.06	-4.66
	65	-6685.7	4054.7	80.0	-0.01	0.12	-3.95
13	89	-5679.1	-1630.4	77.0	0.00	-0.08	-2.27
	65	5539.2	2213.5	-77.0	-0.00	-0.10	-2.13
14	89	6642.7	-1585.4	-100.8	0.01	0.06	-2.39
	65	-6782.6	2168.5	100.8	-0.01	0.17	-1.90
15	89	-5543.6	-378.3	53.3	-0.00	-0.07	-0.50
	65	5403.6	961.4	-53.3	0.00	-0.05	-1.04
16	89	6778.2	-333.3	-124.6	0.00	0.06	-0.62
	65	-6918.2	916.4	124.6	-0.00	0.22	-0.81
17	89	-5529.5	-1746.2	68.5	-0.00	-0.07	-2.22
	65	5389.5	2329.3	-68.5	0.00	-0.09	-2.45
18	89	6792.3	-1701.2	-109.4	0.01	0.07	-2.34
	65	-6932.2	2284.4	109.4	-0.01	0.18	-2.22
19	89	-9837.6	-2812.5	147.0	0.00	-0.12	-3.57

	65	9697.6	3395.6	-147.0	-0.00	-0.22	-3.53
20	89	10698.7	-2737.6	-149.5	0.01	0.11	-3.78
	65	-10838.7	3320.7	149.5	-0.01	0.23	-3.15
21	89	-9779.5	-1680.8	134.5	-0.00	-0.12	-2.21
	65	9639.5	2264.0	-134.5	0.00	-0.19	-2.30
22	89	10756.9	-1605.9	-161.9	0.01	0.10	-2.42
	65	-10896.8	2189.1	161.9	-0.01	0.27	-1.92
23	89	-9698.1	-929.6	120.3	-0.00	-0.12	-1.15
	65	9558.2	1512.7	-120.3	0.00	-0.16	-1.65
24	89	10838.2	-854.7	-176.2	0.01	0.11	-1.35
	65	-10978.1	1437.8	176.2	-0.01	0.30	-1.27
25	89	-9689.7	-1750.3	129.4	-0.00	-0.11	-2.18
	65	9549.7	2333.4	-129.4	0.00	-0.18	-2.49
26	89	10846.6	-1675.4	-167.1	0.01	0.11	-2.39
	65	-10986.6	2258.5	167.1	-0.01	0.27	-2.11
27	89	1430.6	-1973.1	-102.6	0.00	-0.01	-2.31
	65	-1538.2	2421.7	102.6	-0.00	0.21	-2.73
28	89	811.1	-1983.0	-35.5	0.00	-0.05	-2.33
	65	-918.8	2431.6	35.5	-0.00	0.09	-2.69
29	89	1758.7	-1900.2	-143.6	0.00	0.05	-2.39
	65	-1866.3	2348.7	143.6	-0.00	0.26	-2.55
30	89	388.1	-1864.0	0.4	0.00	0.00	-2.49
	65	-495.7	2312.5	-0.4	-0.00	0.01	-2.29
31	89	303.2	-1797.6	4.2	0.01	0.04	-2.57
	65	-410.9	2246.2	-4.2	-0.01	-0.01	-2.08
32	89	-316.2	-1807.5	71.4	0.00	0.00	-2.59
	65	208.5	2256.0	-71.4	-0.00	-0.13	-2.04
33	89	-306.1	-1933.1	80.2	0.00	-0.08	-2.44
	65	198.5	2381.7	-80.2	-0.00	-0.12	-2.42
34	89	-644.3	-1880.4	112.3	0.00	-0.06	-2.52
	65	536.7	2329.0	-112.3	-0.00	-0.19	-2.23
35	89	339.4	-1139.8	-11.7	0.00	-0.00	-1.56
	65	-447.1	1588.4	11.7	-0.00	0.03	-1.56
36	89	76.0	-1108.3	2.4	0.00	-0.00	-1.60
	65	-183.7	1556.9	-2.4	-0.00	-0.00	-1.45
37	89	114.8	-353.9	-5.9	0.00	-0.00	-0.69
	65	-222.5	802.4	5.9	-0.00	0.02	-0.63
38	89	169.0	147.0	-15.4	-0.00	-0.00	0.02
	65	-276.7	301.6	15.4	0.00	0.04	-0.20
39	89	174.6	-400.2	-9.3	0.00	-0.00	-0.67
	65	-282.3	848.8	9.3	-0.00	0.02	-0.76
40	89	-3985.5	-404.4	51.6	-0.00	-0.05	-0.63
	65	3877.9	852.9	-51.6	0.00	-0.07	-0.81
41	89	4229.0	-374.4	-67.0	0.00	0.04	-0.71
	65	-4336.6	823.0	67.0	-0.00	0.11	-0.66
42	89	557.2	-1890.3	-15.6	0.00	-0.00	-2.45
	65	-664.8	2338.9	15.6	-0.00	0.04	-2.39
43	89	1445.2	-1970.2	-104.4	0.00	-0.01	-2.32
	65	-1552.9	2418.8	104.4	-0.00	0.21	-2.72
44	89	800.2	-1979.6	-34.2	0.00	-0.05	-2.34
	65	-907.9	2428.2	34.2	-0.00	0.09	-2.68
45	89	1801.8	-1900.1	-148.7	0.00	0.06	-2.39
	65	-1909.5	2348.6	148.7	-0.00	0.27	-2.54
46	89	1462.5	-1849.3	-116.5	0.00	0.07	-2.46
	65	-1570.2	2297.9	116.5	-0.00	0.21	-2.35
47	89	314.1	-1801.0	2.9	0.01	0.04	-2.57

	65	-421.8	2249.6	-2.9	-0.01	-0.01	-2.09
48	89	-330.9	-1810.4	73.1	0.00	0.00	-2.59
	65	223.2	2258.9	-73.1	-0.00	-0.13	-2.05
49	89	-348.2	-1931.3	85.2	0.00	-0.08	-2.44
	65	240.5	2379.9	-85.2	-0.00	-0.13	-2.42
50	89	-687.5	-1880.5	117.4	0.00	-0.07	-2.52
	65	579.8	2329.1	-117.4	-0.00	-0.19	-2.23
51	89	835.0	-454.5	-79.5	-0.00	-0.01	-0.56
	65	-942.7	903.1	79.5	0.00	0.16	-1.00
52	89	317.5	-462.2	-23.1	-0.00	-0.04	-0.58
	65	-425.2	910.7	23.1	0.00	0.06	-0.97
53	89	1120.6	-397.4	-114.9	0.00	0.05	-0.62
	65	-1228.3	845.9	114.9	-0.00	0.21	-0.86
54	89	847.9	-356.0	-88.8	0.00	0.06	-0.68
	65	-955.5	804.5	88.8	-0.00	0.16	-0.70
55	89	-74.1	-316.6	7.6	0.00	0.04	-0.77
	65	-33.6	765.2	-7.6	-0.00	-0.02	-0.49
56	89	-591.6	-324.2	64.1	0.00	0.00	-0.78
	65	484.0	772.8	-64.1	-0.00	-0.12	-0.46
57	89	-604.4	-422.8	73.3	-0.00	-0.07	-0.66
	65	496.8	871.4	-73.3	0.00	-0.11	-0.76
58	89	-877.2	-381.4	99.4	0.00	-0.05	-0.73
	65	769.5	830.0	-99.4	-0.00	-0.17	-0.61
1	187	-94.3	466.1	5.0	-0.00	-0.01	-0.07
	157	-6.3	-46.8	-5.0	0.00	-0.00	0.49
2	187	-187.4	1201.4	3.1	-0.00	-0.00	-0.21
	157	86.8	-782.0	-3.1	0.00	-0.00	1.84
3	187	184.4	1611.4	21.0	-0.00	-0.05	-0.28
	157	-285.1	-1192.1	-21.0	0.00	0.02	2.58
4	187	347.9	1235.7	5.4	-0.00	-0.03	-0.20
	157	-448.5	-816.4	-5.4	0.00	0.02	1.89
5	187	491.7	938.3	15.6	-0.00	-0.04	-0.14
	157	-592.4	-519.0	-15.6	0.00	0.02	1.34
6	187	349.6	1224.6	29.2	-0.00	-0.06	-0.20
	157	-450.3	-805.3	-29.2	0.00	0.01	1.87
7	187	-890.6	1560.2	-8.9	-0.00	0.03	-0.29
	157	790.0	-1140.9	8.9	0.00	-0.02	2.51
8	187	-727.2	1184.5	-24.5	-0.00	0.05	-0.21
	157	626.5	-765.2	24.5	0.00	-0.01	1.82
9	187	-583.3	887.1	-14.2	-0.00	0.04	-0.16
	157	482.7	-467.8	14.2	0.00	-0.02	1.27
10	187	-725.4	1173.4	-0.6	-0.00	0.02	-0.21
	157	624.8	-754.1	0.6	0.00	-0.02	1.80
11	187	120.5	1500.1	23.8	-0.00	-0.05	-0.25
	157	-221.2	-1080.8	-23.8	0.00	0.02	2.38
12	187	-954.5	1448.9	-6.0	-0.00	0.03	-0.27
	157	853.9	-1029.6	6.0	0.00	-0.02	2.31
13	187	393.0	874.0	-2.1	-0.00	-0.02	-0.13
	157	-493.6	-454.6	2.1	0.00	0.02	1.22
14	187	-682.1	822.8	-32.0	-0.00	0.07	-0.14
	157	581.4	-403.4	32.0	0.00	-0.01	1.15
15	187	632.7	378.2	14.9	-0.00	-0.04	-0.03
	157	-733.3	41.1	-14.9	0.00	0.01	0.31
16	187	-442.4	327.0	-14.9	-0.00	0.04	-0.05
	157	341.7	92.3	14.9	0.00	-0.02	0.24

	187	395.9	855.4	37.6	-0.00	-0.07	-0.13
	157	-496.5	-436.1	-37.6	0.00	0.01	1.19
18	187	-679.2	804.2	7.8	-0.00	0.01	-0.14
	157	578.6	-384.9	-7.8	0.00	-0.02	1.12
19	187	589.3	1260.8	31.8	-0.00	-0.08	-0.20
	157	-690.0	-841.5	-31.8	0.00	0.03	1.93
20	187	-1202.4	1175.6	-17.9	-0.00	0.06	-0.22
	157	1101.8	-756.2	17.9	0.00	-0.03	1.81
21	187	752.8	885.2	16.3	-0.00	-0.05	-0.13
	157	-853.4	-465.8	-16.3	0.00	0.03	1.24
22	187	-1039.0	799.9	-33.5	-0.00	0.08	-0.15
	157	938.3	-380.5	33.5	0.00	-0.03	1.12
23	187	896.6	587.7	26.5	-0.00	-0.07	-0.07
	157	-997.3	-168.4	-26.5	0.00	0.03	0.69
24	187	-895.1	502.4	-23.2	-0.00	0.07	-0.09
	157	794.5	-83.1	23.2	0.00	-0.03	0.57
25	187	754.5	874.0	40.1	-0.00	-0.09	-0.13
	157	-855.2	-454.7	-40.1	0.00	0.02	1.22
26	187	-1037.2	788.7	-9.6	-0.00	0.05	-0.15
	157	936.6	-369.4	9.6	0.00	-0.03	1.10
27	187	-38.7	790.0	-60.9	0.00	0.10	-0.13
	157	-38.7	-467.4	60.9	-0.00	0.01	1.17
28	187	-51.3	783.8	-140.5	-0.00	0.20	-0.14
	157	-26.1	-461.2	140.5	0.00	0.04	1.16
29	187	-85.6	830.2	104.1	0.01	-0.12	-0.14
	157	8.2	-507.7	-104.1	-0.01	-0.05	1.24
30	187	-159.3	848.2	33.2	-0.00	-0.05	-0.14
	157	81.9	-525.7	-33.2	0.00	-0.01	1.27
31	187	-214.6	884.3	145.2	-0.00	-0.20	-0.15
	157	137.2	-561.8	-145.2	0.00	-0.04	1.34
32	187	-227.1	878.1	65.6	-0.01	-0.10	-0.15
	157	149.7	-555.6	-65.6	0.01	-0.01	1.33
33	187	-127.5	809.6	-161.2	-0.01	0.20	-0.14
	157	50.1	-487.0	161.2	0.01	0.07	1.21
34	187	-180.2	837.9	-99.4	-0.01	0.12	-0.15
	157	102.8	-515.3	99.4	0.01	0.05	1.26
35	187	-101.9	589.0	2.9	-0.00	-0.00	-0.09
	157	24.5	-266.4	-2.9	0.00	-0.00	0.80
36	187	-181.3	600.2	5.5	-0.00	-0.01	-0.10
	157	103.9	-277.7	-5.5	0.00	-0.00	0.82
37	187	-72.3	349.8	-4.9	-0.00	0.01	-0.05
	157	-5.1	-27.2	4.9	0.00	-0.00	0.36
38	187	23.6	151.5	2.0	-0.00	-0.00	-0.01
	157	-101.0	171.1	-2.0	0.00	-0.00	-0.01
39	187	-71.2	342.3	11.0	-0.00	-0.02	-0.05
	157	-6.2	-19.8	-11.0	0.00	-0.00	0.34
40	187	287.5	361.0	13.5	-0.00	-0.03	-0.04
	157	-364.9	-38.4	-13.5	0.00	0.01	0.37
41	187	-429.2	326.8	-6.4	-0.00	0.02	-0.05
	157	351.8	-4.3	6.4	0.00	-0.01	0.32
42	187	-132.9	834.1	2.3	-0.00	-0.00	-0.14
	157	55.5	-511.5	-2.3	0.00	-0.00	1.25
43	187	-42.3	791.2	-62.6	0.00	0.10	-0.13
	157	-35.1	-468.7	62.6	-0.00	0.01	1.17
44	187	-54.2	785.3	-145.5	-0.00	0.20	-0.14
	157	-23.3	-462.8	145.5	0.00	0.04	1.16

	187	-87.8	830.1	108.5	0.01	-0.13	-0.14
	157	10.4	-507.6	-108.5	-0.01	-0.05	1.24
46	187	-138.6	857.6	172.3	0.01	-0.22	-0.14
	157	61.2	-535.1	-172.3	-0.01	-0.07	1.29
47	187	-211.7	882.8	150.1	-0.00	-0.21	-0.15
	157	134.3	-560.2	-150.1	0.00	-0.05	1.34
48	187	-223.5	876.9	67.3	-0.01	-0.11	-0.15
	157	146.1	-554.3	-67.3	0.01	-0.01	1.33
49	187	-127.2	810.5	-167.7	-0.01	0.21	-0.14
	157	49.8	-488.0	167.7	0.01	0.07	1.21
50	187	-178.0	838.0	-103.8	-0.01	0.12	-0.15
	157	100.6	-515.4	103.8	0.01	0.05	1.26
51	187	3.0	309.0	-48.8	0.00	0.08	-0.04
	157	-80.4	13.6	48.8	-0.00	0.00	0.28
52	187	-6.6	304.2	-115.1	0.00	0.16	-0.04
	157	-70.8	18.4	115.1	-0.00	0.03	0.28
53	187	-34.1	340.7	88.4	0.01	-0.10	-0.04
	157	-43.3	-18.1	-88.4	-0.01	-0.05	0.34
54	187	-75.5	363.1	139.7	0.00	-0.18	-0.05
	157	-1.9	-40.5	-139.7	-0.00	-0.06	0.38
55	187	-135.1	383.6	122.2	-0.00	-0.17	-0.05
	157	57.7	-61.0	-122.2	0.00	-0.04	0.42
56	187	-144.7	378.8	55.9	-0.01	-0.09	-0.05
	157	67.3	-56.3	-55.9	0.01	-0.01	0.41
57	187	-66.2	324.7	-132.5	-0.01	0.17	-0.05
	157	-11.2	-2.2	132.5	0.01	0.05	0.31
58	187	-107.6	347.1	-81.3	-0.01	0.09	-0.05
	157	30.2	-24.6	81.3	0.01	0.04	0.35
1	157	223.5	-858.4	0.3	-0.00	0.00	-0.50
	127	-324.2	1277.7	-0.3	0.00	-0.00	-1.26
2	157	918.3	-3406.0	2.4	-0.00	0.00	-1.87
	127	-1019.0	3825.3	-2.4	0.00	-0.00	-4.08
3	157	1290.2	-4662.5	62.6	-0.00	-0.02	-2.62
	127	-1390.8	5081.8	-62.6	0.00	-0.09	-5.40
4	157	1453.7	-3371.6	50.4	-0.00	-0.02	-1.92
	127	-1554.3	3790.9	-50.4	0.00	-0.06	-3.97
5	157	1597.5	-2419.1	55.0	-0.00	-0.02	-1.36
	127	-1698.1	2838.5	-55.0	0.00	-0.08	-2.96
6	157	1455.4	-3382.7	66.0	-0.00	-0.01	-1.90
	127	-1556.0	3802.0	-66.0	0.00	-0.09	-4.01
7	157	215.1	-4713.6	-49.5	-0.00	0.02	-2.55
	127	-315.8	5133.0	49.5	0.00	0.07	-5.55
8	157	378.6	-3422.8	-61.8	-0.00	0.01	-1.85
	127	-479.2	3842.1	61.8	0.00	0.09	-4.13
9	157	522.4	-2470.3	-57.2	-0.00	0.02	-1.29
	127	-623.1	2889.6	57.2	0.00	0.08	-3.12
10	157	380.3	-3433.9	-46.2	-0.00	0.02	-1.83
	127	-481.0	3853.2	46.2	0.00	0.06	-4.17
11	157	832.4	-4243.4	64.4	-0.00	-0.02	-2.41
	127	-933.0	4662.7	-64.4	0.00	-0.09	-4.91
12	157	-242.7	-4294.5	-47.8	-0.00	0.02	-2.34
	127	142.1	4713.9	47.8	0.00	0.06	-5.07
13	157	1104.8	-2091.9	44.0	-0.00	-0.02	-1.24
	127	-1205.4	2511.3	-44.0	0.00	-0.05	-2.55
14	157	29.7	-2143.1	-68.2	-0.00	0.01	-1.17

	127	-130.4	2562.5	68.2	0.00	0.10	-2.70
15	157	1344.5	-504.5	51.6	-0.00	-0.01	-0.32
	127	-1445.1	923.8	-51.6	0.00	-0.07	-0.86
16	157	269.4	-555.7	-60.6	-0.00	0.02	-0.25
	127	-370.1	975.0	60.6	0.00	0.08	-1.01
17	157	1107.7	-2110.5	70.0	-0.00	-0.01	-1.21
	127	-1208.3	2529.8	-70.0	0.00	-0.10	-2.61
18	157	32.6	-2161.7	-42.2	-0.00	0.02	-1.14
	127	-133.3	2581.0	42.2	0.00	0.05	-2.76
19	157	1301.1	-3371.6	99.0	-0.00	-0.03	-1.96
	127	-1401.8	3790.9	-99.0	0.00	-0.14	-3.93
20	157	-490.6	-3456.9	-87.9	-0.00	0.03	-1.84
	127	390.0	3876.2	87.9	0.00	0.12	-4.19
21	157	1464.6	-2080.7	86.8	-0.00	-0.03	-1.26
	127	-1565.2	2500.1	-86.8	0.00	-0.11	-2.51
22	157	-327.1	-2166.0	-100.2	-0.00	0.03	-1.14
	127	226.5	2585.4	100.2	0.00	0.14	-2.77
23	157	1608.4	-1128.3	91.3	-0.00	-0.03	-0.70
	127	-1709.1	1547.6	-91.3	0.00	-0.13	-1.50
24	157	-183.3	-1213.6	-95.6	-0.00	0.03	-0.58
	127	82.7	1632.9	95.6	0.00	0.13	-1.76
25	157	1466.3	-2091.9	102.4	-0.00	-0.02	-1.24
	127	-1567.0	2511.2	-102.4	0.00	-0.14	-2.55
26	157	-325.4	-2177.2	-84.6	-0.00	0.03	-1.12
	127	224.8	2596.5	84.6	0.00	0.11	-2.81
27	157	948.0	-2249.5	-84.7	0.00	-0.01	-1.19
	127	-1025.4	2572.1	84.7	-0.00	0.10	-2.79
28	157	996.1	-2257.2	-56.0	-0.00	-0.04	-1.18
	127	-1073.5	2579.8	56.0	0.00	0.15	-2.80
29	157	644.3	-2270.7	-67.8	0.01	0.05	-1.26
	127	-721.7	2593.2	67.8	-0.01	-0.05	-2.77
30	157	512.3	-2309.3	23.0	-0.00	0.01	-1.29
	127	-589.7	2631.8	-23.0	0.00	-0.04	-2.77
31	157	240.6	-2335.5	58.9	-0.00	0.04	-1.36
	127	-318.1	2658.1	-58.9	0.00	-0.16	-2.75
32	157	288.8	-2343.2	87.6	-0.01	0.01	-1.35
	127	-366.2	2665.8	-87.6	0.01	-0.11	-2.76
33	157	804.7	-2296.3	27.6	-0.01	-0.07	-1.22
	127	-882.1	2618.8	-27.6	0.01	0.13	-2.79
34	157	592.5	-2322.1	70.7	-0.01	-0.05	-1.28
	127	-669.9	2644.7	-70.7	0.01	0.05	-2.78
35	157	386.8	-1447.2	0.8	-0.00	0.00	-0.81
	127	-464.2	1769.7	-0.8	0.00	-0.00	-1.84
36	157	44.7	-1452.7	2.9	-0.00	0.00	-0.83
	127	-122.2	1775.2	-2.9	0.00	-0.01	-1.82
37	157	153.7	-592.1	-5.3	-0.00	0.00	-0.36
	127	-231.1	914.7	5.3	0.00	0.01	-0.88
38	157	249.6	42.9	-2.2	-0.00	0.00	0.01
	127	-327.0	279.7	2.2	0.00	0.00	-0.20
39	157	154.9	-599.5	5.1	-0.00	0.00	-0.35
	127	-232.3	922.1	-5.1	0.00	-0.01	-0.90
40	157	513.5	-580.9	37.5	-0.00	-0.01	-0.38
	127	-590.9	903.5	-37.5	0.00	-0.05	-0.84
41	157	-203.2	-615.0	-37.3	-0.00	0.01	-0.33
	127	125.8	937.6	37.3	0.00	0.05	-0.95
42	157	618.4	-2296.4	1.4	-0.00	0.00	-1.27

	127	-695.8	2618.9	-1.4	0.00	-0.00	-2.78
43	157	982.3	-2251.9	-57.2	0.00	-0.01	-1.19
	127	-1059.7	2574.5	57.2	-0.00	0.10	-2.79
44	157	936.8	-2258.9	-83.4	-0.00	-0.04	-1.18
	127	-1014.2	2581.4	83.4	0.00	0.15	-2.80
45	157	796.6	-2272.4	23.5	0.01	0.05	-1.26
	127	-874.0	2595.0	-23.5	-0.01	-0.05	-2.77
46	157	591.9	-2297.0	66.5	0.01	0.07	-1.31
	127	-669.3	2619.6	-66.5	-0.01	-0.13	-2.76
47	157	299.9	-2333.9	86.2	-0.00	0.05	-1.36
	127	-377.4	2656.4	-86.2	0.00	-0.16	-2.75
48	157	254.4	-2340.9	60.1	-0.01	0.01	-1.35
	127	-331.8	2663.4	-60.1	0.01	-0.11	-2.76
49	157	644.9	-2295.7	-63.6	-0.01	-0.07	-1.23
	127	-722.3	2618.3	63.6	0.01	0.12	-2.79
50	157	440.2	-2320.3	-20.6	-0.01	-0.05	-1.28
	127	-517.6	2642.9	20.6	0.01	0.04	-2.78
51	157	451.9	-561.7	-69.0	0.00	-0.00	-0.29
	127	-529.4	884.3	69.0	-0.00	0.08	-0.91
52	157	414.8	-567.4	-47.7	0.00	-0.03	-0.28
	127	-492.2	889.9	47.7	-0.00	0.13	-0.92
53	157	300.5	-578.5	-52.9	0.01	0.05	-0.35
	127	-377.9	901.0	52.9	-0.01	-0.04	-0.89
54	157	133.6	-598.5	-17.9	0.00	0.06	-0.39
	127	-211.0	921.1	17.9	-0.00	-0.10	-0.88
55	157	-104.4	-628.6	47.8	-0.00	0.04	-0.43
	127	27.0	951.1	-47.8	0.00	-0.13	-0.88
56	157	-141.6	-634.2	69.1	-0.01	0.01	-0.42
	127	64.2	956.8	-69.1	0.01	-0.09	-0.88
57	157	176.8	-597.4	18.1	-0.01	-0.05	-0.32
	127	-254.2	920.0	-18.1	0.01	0.10	-0.91
58	157	9.8	-617.5	53.1	-0.01	-0.04	-0.36
	127	-87.3	940.0	-53.1	0.01	0.03	-0.90
1	127	-250.4	1214.9	-3.0	-0.00	0.00	1.16
	88	110.5	-631.8	3.0	0.00	0.00	0.96
2	127	-684.6	3538.8	-4.0	-0.00	0.00	3.80
	88	544.6	-2955.7	4.0	0.00	0.01	3.64
3	127	2194.3	4764.5	-7.4	-0.00	-0.01	5.27
	88	-2334.3	-4181.4	7.4	0.00	0.03	4.97
4	127	2253.9	3573.9	-15.0	-0.00	0.00	3.91
	88	-2393.8	-2990.7	15.0	0.00	0.03	3.60
5	127	2389.6	2598.2	-13.1	-0.00	0.00	2.74
	88	-2529.5	-2015.0	13.1	0.00	0.03	2.54
6	127	2303.0	3515.4	-6.8	-0.00	-0.01	3.80
	88	-2442.9	-2932.3	6.8	0.00	0.02	3.57
7	127	-3770.1	4784.7	5.8	0.00	-0.00	5.20
	88	3630.1	-4201.6	-5.8	-0.00	-0.01	5.08
8	127	-3710.5	3594.0	-1.8	0.00	0.01	3.84
	88	3570.6	-3010.9	1.8	-0.00	-0.01	3.72
9	127	-3574.8	2618.3	0.1	0.00	0.01	2.67
	88	3434.9	-2035.2	-0.1	-0.00	-0.01	2.65
10	127	-3661.4	3535.6	6.4	0.00	0.00	3.74
	88	3521.5	-2952.5	-6.4	-0.00	-0.02	3.69
11	127	2342.5	4426.5	-4.8	-0.00	-0.01	4.91
	88	-2482.5	-3843.3	4.8	0.00	0.02	4.55

	127	-3621.9	4446.6	8.4	0.00	-0.00	4.84
	88	3481.9	-3863.5	-8.4	-0.00	-0.01	4.67
13	127	2441.8	2442.0	-17.5	-0.00	0.01	2.64
	88	-2581.7	-1858.8	17.5	0.00	0.03	2.28
14	127	-3522.6	2462.1	-4.3	0.00	0.02	2.58
	88	3382.7	-1879.0	4.3	-0.00	-0.01	2.39
15	127	2667.9	815.8	-14.3	-0.00	0.01	0.70
	88	-2807.9	-232.7	14.3	0.00	0.03	0.50
16	127	-3296.5	836.0	-1.1	0.00	0.02	0.63
	88	3156.5	-252.8	1.1	-0.00	-0.01	0.62
17	127	2523.6	2344.6	-3.7	-0.00	-0.01	2.47
	88	-2663.6	-1761.5	3.7	0.00	0.02	2.23
18	127	-3440.8	2364.8	9.5	0.00	-0.00	2.40
	88	3300.8	-1781.6	-9.5	-0.00	-0.02	2.34
19	127	4399.5	3595.9	-11.3	-0.00	-0.01	3.97
	88	-4539.5	-3012.7	11.3	0.00	0.04	3.59
20	127	-5541.1	3629.5	10.7	0.00	0.00	3.86
	88	5401.2	-3046.4	-10.7	-0.00	-0.03	3.78
21	127	4459.1	2405.2	-18.9	-0.00	0.00	2.61
	88	-4599.0	-1822.0	18.9	0.00	0.04	2.22
22	127	-5481.6	2438.8	3.1	0.00	0.02	2.50
	88	5341.6	-1855.7	-3.1	-0.00	-0.02	2.41
23	127	4594.8	1429.5	-17.0	-0.00	-0.00	1.44
	88	-4734.7	-846.3	17.0	0.00	0.04	1.16
24	127	-5345.9	1463.1	5.0	0.00	0.01	1.33
	88	5205.9	-880.0	-5.0	-0.00	-0.03	1.35
25	127	4508.2	2346.8	-10.7	-0.00	-0.01	2.51
	88	-4648.1	-1763.6	10.7	0.00	0.04	2.19
26	127	-5432.5	2380.4	11.3	0.00	0.00	2.40
	88	5292.5	-1797.2	-11.3	-0.00	-0.03	2.38
27	127	-511.6	2235.8	-24.4	-0.00	0.09	2.28
	88	404.0	-1787.2	24.4	0.00	0.01	2.32
28	127	-505.8	2260.0	-43.6	-0.00	0.04	2.32
	88	398.2	-1811.4	43.6	0.00	0.05	2.34
29	127	-493.8	2332.6	19.6	-0.00	0.11	2.43
	88	386.2	-1884.0	-19.6	0.00	-0.05	2.39
30	127	-463.1	2480.0	6.4	0.00	-0.02	2.66
	88	355.4	-2031.4	-6.4	-0.00	-0.00	2.50
31	127	-441.4	2592.8	37.7	0.00	-0.04	2.84
	88	333.7	-2144.3	-37.7	-0.00	-0.04	2.58
32	127	-435.6	2617.0	18.5	0.00	-0.09	2.88
	88	327.9	-2168.4	-18.5	-0.00	-0.00	2.60
33	127	-474.4	2413.1	-44.2	0.00	-0.07	2.56
	88	366.8	-1964.6	44.2	-0.00	0.08	2.45
34	127	-453.4	2520.2	-25.6	0.00	-0.11	2.73
	88	345.7	-2071.7	25.6	-0.00	0.06	2.53
35	127	-328.9	1651.8	-2.6	-0.00	0.00	1.70
	88	221.2	-1203.2	2.6	0.00	0.00	1.57
36	127	-253.0	1701.0	-0.2	-0.00	-0.00	1.78
	88	145.4	-1252.4	0.2	0.00	0.00	1.60
37	127	-213.3	907.2	-5.3	0.00	0.01	0.87
	88	105.7	-458.6	5.3	-0.00	0.01	0.69
38	127	-122.9	256.7	-4.0	-0.00	0.01	0.10
	88	15.2	191.8	4.0	0.00	0.00	-0.02
39	127	-180.6	868.3	0.2	-0.00	-0.00	0.80
	88	72.9	-419.7	-0.2	0.00	0.00	0.67

	127	1804.0	870.4	-6.7	-0.00	-0.00	0.84
	88	-1911.6	-421.8	6.7	0.00	0.02	0.64
41	127	-2172.3	883.8	2.1	0.00	0.00	0.80
	88	2064.6	-435.3	-2.1	-0.00	-0.01	0.71
42	127	-473.6	2426.4	-3.0	-0.00	0.00	2.58
	88	365.9	-1977.8	3.0	0.00	0.01	2.46
43	127	-511.2	2241.2	-24.5	-0.00	0.09	2.29
	88	403.6	-1792.6	24.5	0.00	0.01	2.32
44	127	-505.3	2264.8	-42.1	-0.00	0.04	2.33
	88	397.7	-1816.2	42.1	0.00	0.05	2.34
45	127	-493.8	2335.1	17.3	-0.00	0.11	2.44
	88	386.2	-1886.5	-17.3	0.00	-0.05	2.39
46	127	-473.0	2439.1	35.5	-0.00	0.07	2.60
	88	365.3	-1990.6	-35.5	0.00	-0.07	2.47
47	127	-441.8	2588.0	36.2	0.00	-0.04	2.83
	88	334.2	-2139.5	-36.2	-0.00	-0.04	2.58
48	127	-435.9	2611.6	18.6	0.00	-0.09	2.87
	88	328.3	-2163.0	-18.6	-0.00	-0.00	2.60
49	127	-474.2	2413.7	-41.4	0.00	-0.07	2.56
	88	366.5	-1965.1	41.4	-0.00	0.08	2.45
50	127	-453.4	2517.7	-23.2	0.00	-0.10	2.72
	88	345.7	-2069.2	23.2	-0.00	0.06	2.53
51	127	-214.9	726.1	-19.8	-0.00	0.07	0.59
	88	107.2	-277.5	19.8	0.00	0.01	0.56
52	127	-210.0	745.3	-34.1	-0.00	0.03	0.62
	88	102.4	-296.8	34.1	0.00	0.04	0.58
53	127	-200.7	802.6	14.2	-0.00	0.09	0.70
	88	93.0	-354.0	-14.2	0.00	-0.04	0.62
54	127	-183.7	887.4	29.0	-0.00	0.06	0.83
	88	76.1	-438.9	-29.0	0.00	-0.06	0.68
55	127	-158.3	1008.9	29.5	0.00	-0.03	1.02
	88	50.6	-560.3	-29.5	-0.00	-0.03	0.77
56	127	-153.4	1028.2	15.2	0.00	-0.07	1.06
	88	45.8	-579.6	-15.2	-0.00	-0.00	0.78
57	127	-184.6	866.8	-33.6	0.00	-0.05	0.81
	88	77.0	-418.2	33.6	-0.00	0.06	0.66
58	127	-167.6	951.6	-18.8	0.00	-0.08	0.94
	88	60.0	-503.1	18.8	-0.00	0.05	0.73
1	88	177.1	-566.4	5.4	-0.00	-0.00	-0.96
	64	-317.0	1149.5	-5.4	0.00	-0.01	-1.01
2	88	838.6	-2807.7	9.0	-0.00	-0.01	-3.64
	64	-978.6	3390.9	-9.0	0.00	-0.01	-3.46
3	88	3717.5	-3899.5	39.2	-0.00	-0.03	-4.97
	64	-3857.5	4482.7	-39.2	0.00	-0.06	-4.62
4	88	3777.0	-2772.7	39.0	-0.00	-0.03	-3.60
	64	-3917.0	3355.8	-39.0	0.00	-0.06	-3.41
5	88	3912.7	-2010.3	35.3	-0.00	-0.03	-2.54
	64	-4052.7	2593.4	-35.3	0.00	-0.05	-2.73
6	88	3826.1	-2831.1	35.2	-0.00	-0.02	-3.57
	64	-3966.1	3414.2	-35.2	0.00	-0.06	-3.57
7	88	-2246.9	-3879.4	-16.7	0.00	0.01	-5.08
	64	2106.9	4462.5	16.7	-0.00	0.03	-4.46
8	88	-2187.4	-2752.5	-17.0	0.00	0.01	-3.72
	64	2047.4	3335.7	17.0	-0.00	0.03	-3.25
9	88	-2051.7	-1990.1	-20.6	0.00	0.01	-2.65

	64	1911.7	2573.2	20.6	-0.00	0.04	-2.57
10	88	-2138.3	-2811.0	-20.7	0.00	0.02	-3.69
	64	1998.3	3394.1	20.7	-0.00	0.03	-3.41
11	88	3317.9	-3500.0	38.8	-0.00	-0.02	-4.55
	64	-3457.8	4083.2	-38.8	0.00	-0.06	-4.12
12	88	-2646.5	-3479.9	-17.1	0.00	0.01	-4.67
	64	2506.6	4063.0	17.1	-0.00	0.02	-3.96
13	88	3417.1	-1622.0	38.5	-0.00	-0.03	-2.28
	64	-3557.1	2205.1	-38.5	0.00	-0.06	-2.10
14	88	-2547.3	-1601.8	-17.4	0.00	0.01	-2.39
	64	2407.3	2184.9	17.4	-0.00	0.03	-1.94
15	88	3643.3	-351.2	32.4	-0.00	-0.03	-0.50
	64	-3783.2	934.4	-32.4	0.00	-0.05	-0.97
16	88	-2321.1	-331.1	-23.5	0.00	0.01	-0.62
	64	2181.2	914.2	23.5	-0.00	0.04	-0.81
17	88	3499.0	-1719.3	32.3	-0.00	-0.02	-2.23
	64	-3638.9	2302.5	-32.3	0.00	-0.05	-2.37
18	88	-2465.4	-1699.2	-23.6	0.00	0.02	-2.34
	64	2325.5	2282.3	23.6	-0.00	0.04	-2.21
19	88	5374.9	-2785.6	56.0	-0.00	-0.04	-3.59
	64	-5514.8	3368.7	-56.0	0.00	-0.09	-3.45
20	88	-4565.8	-2752.0	-37.2	0.00	0.03	-3.78
	64	4425.8	3335.1	37.2	-0.00	0.06	-3.18
21	88	5434.4	-1658.8	55.8	-0.00	-0.04	-2.22
	64	-5574.4	2241.9	-55.8	0.00	-0.09	-2.24
22	88	-4506.2	-1625.2	-37.4	0.00	0.02	-2.41
	64	4366.3	2208.3	37.4	-0.00	0.06	-1.97
23	88	5570.1	-896.3	52.1	-0.00	-0.04	-1.16
	64	-5710.1	1479.5	-52.1	0.00	-0.08	-1.56
24	88	-4370.5	-862.7	-41.1	0.00	0.03	-1.35
	64	4230.6	1445.8	41.1	-0.00	0.07	-1.29
25	88	5483.5	-1717.2	52.1	-0.00	-0.04	-2.19
	64	-5623.5	2300.3	-52.1	0.00	-0.08	-2.40
26	88	-4457.1	-1683.6	-41.1	0.00	0.03	-2.38
	64	4317.2	2266.7	41.1	-0.00	0.06	-2.13
27	88	861.2	-1956.0	17.0	-0.00	-0.01	-2.34
	64	-968.9	2404.6	-17.0	0.00	-0.03	-2.66
28	88	904.9	-1943.7	84.3	-0.00	-0.05	-2.32
	64	-1012.5	2392.3	-84.3	0.00	-0.15	-2.62
29	88	584.2	-1921.7	-92.3	-0.00	0.05	-2.45
	64	-691.8	2370.2	92.3	0.00	0.16	-2.51
30	88	463.1	-1859.5	-6.7	0.00	0.00	-2.50
	64	-570.8	2308.0	6.7	-0.00	0.02	-2.27
31	88	215.2	-1816.9	-71.2	0.00	0.04	-2.60
	64	-322.8	2265.5	71.2	-0.00	0.13	-2.09
32	88	258.8	-1804.7	-4.0	0.00	0.00	-2.58
	64	-366.5	2253.2	4.0	-0.00	0.01	-2.05
33	88	729.7	-1880.7	131.9	0.00	-0.08	-2.39
	64	-837.3	2329.3	-131.9	-0.00	-0.23	-2.37
34	88	535.9	-1839.0	105.4	0.00	-0.06	-2.47
	64	-643.5	2287.5	-105.4	-0.00	-0.18	-2.20
35	88	339.5	-1133.2	5.3	-0.00	-0.00	-1.57
	64	-447.2	1581.8	-5.3	0.00	-0.01	-1.54
36	88	50.2	-1107.3	5.6	-0.00	-0.00	-1.60
	64	-157.8	1555.8	-5.6	0.00	-0.01	-1.45
37	88	89.8	-356.1	5.5	0.00	-0.01	-0.69

	64	-197.5	804.6	-5.5	-0.00	-0.01	-0.64
38	88	180.3	152.2	3.0	-0.00	-0.00	0.02
	64	-288.0	296.3	-3.0	0.00	-0.00	-0.19
39	88	122.6	-395.0	3.0	-0.00	-0.00	-0.67
	64	-230.2	843.6	-3.0	0.00	-0.01	-0.75
40	88	2107.2	-392.9	22.8	-0.00	-0.02	-0.64
	64	-2214.8	841.4	-22.8	0.00	-0.04	-0.78
41	88	-1869.1	-379.4	-14.5	0.00	0.01	-0.71
	64	1761.5	828.0	14.5	-0.00	0.02	-0.67
42	88	560.0	-1880.3	6.5	-0.00	-0.01	-2.46
	64	-667.7	2328.9	-6.5	0.00	-0.01	-2.36
43	88	850.6	-1953.7	16.2	-0.00	-0.01	-2.32
	64	-958.2	2402.3	-16.2	0.00	-0.03	-2.66
44	88	891.6	-1941.9	86.4	-0.00	-0.05	-2.34
	64	-999.3	2390.4	-86.4	0.00	-0.15	-2.62
45	88	584.9	-1920.3	-97.0	-0.00	0.05	-2.39
	64	-692.5	2368.9	97.0	0.00	0.17	-2.51
46	88	398.3	-1879.8	-123.9	-0.00	0.07	-2.47
	64	-505.9	2328.4	123.9	0.00	0.22	-2.34
47	88	228.4	-1818.8	-73.4	0.00	0.04	-2.58
	64	-336.1	2267.4	73.4	-0.00	0.13	-2.10
48	88	269.5	-1807.0	-3.2	0.00	0.00	-2.60
	64	-377.2	2255.5	3.2	-0.00	0.01	-2.06
49	88	721.8	-1880.8	137.0	0.00	-0.08	-2.45
	64	-829.5	2329.4	-137.0	-0.00	-0.24	-2.37
50	88	535.2	-1840.4	110.1	0.00	-0.06	-2.53
	64	-642.8	2288.9	-110.1	-0.00	-0.19	-2.21
51	88	355.9	-446.0	12.0	-0.00	-0.01	-0.56
	64	-463.5	894.5	-12.0	0.00	-0.02	-0.97
52	88	389.4	-436.3	68.5	-0.00	-0.04	-0.58
	64	-497.0	884.9	-68.5	0.00	-0.12	-0.93
53	88	139.3	-418.7	-79.2	-0.00	0.04	-0.62
	64	-246.9	867.3	79.2	0.00	0.14	-0.85
54	88	-12.9	-385.7	-100.9	-0.00	0.06	-0.68
	64	-94.8	834.3	100.9	0.00	0.18	-0.71
55	88	-151.3	-336.0	-60.2	0.00	0.03	-0.77
	64	43.7	784.5	60.2	-0.00	0.11	-0.51
56	88	-117.9	-326.3	-3.7	0.00	0.00	-0.79
	64	10.2	774.9	3.7	-0.00	0.01	-0.48
57	88	250.9	-386.5	109.1	0.00	-0.06	-0.66
	64	-358.6	835.1	-109.1	-0.00	-0.19	-0.74
58	88	98.8	-353.5	87.4	0.00	-0.05	-0.73
	64	-206.4	802.1	-87.4	-0.00	-0.15	-0.60
1	62	-195.0	812.5	2.1	-0.00	-0.00	0.87
	39	111.7	-465.3	-2.1	-0.00	0.00	0.00
2	62	-521.0	2170.9	-14.6	-0.00	0.02	2.71
	39	437.7	-1823.7	14.6	0.00	0.00	0.01
3	62	-521.0	2860.6	-126.7	0.00	0.17	3.65
	39	437.7	-2513.3	126.7	0.00	-0.00	0.01
4	62	-521.0	2170.9	-134.3	0.00	0.18	2.71
	39	437.7	-1823.7	134.3	0.00	-0.00	0.01
5	62	-521.0	1653.7	-104.3	0.00	0.14	2.01
	39	437.7	-1306.5	104.3	0.00	-0.00	0.01
6	62	-521.0	2170.9	-103.9	0.00	0.14	2.71
	39	437.7	-1823.7	103.9	0.00	-0.00	0.01

	62	-521.0	2860.6	72.6	-0.00	-0.10	3.65
	39	437.7	-2513.3	-72.6	-0.00	0.00	0.01
8	62	-521.0	2170.9	64.9	-0.00	-0.09	2.71
	39	437.7	-1823.7	-64.9	-0.00	0.00	0.01
9	62	-521.0	1653.7	95.0	-0.00	-0.13	2.01
	39	437.7	-1306.5	-95.0	-0.00	0.00	0.01
10	62	-521.0	2170.9	95.4	-0.00	-0.13	2.71
	39	437.7	-1823.7	-95.4	0.00	0.00	0.01
11	62	-358.0	2641.1	-126.7	0.00	0.17	3.35
	39	274.7	-2293.8	126.7	-0.00	-0.00	0.01
12	62	-358.0	2641.1	72.6	-0.00	-0.10	3.35
	39	274.7	-2293.8	-72.6	-0.00	0.00	0.01
13	62	-358.0	1491.7	-139.4	0.00	0.19	1.79
	39	274.7	-1144.5	139.4	0.00	-0.00	0.00
14	62	-358.0	1491.7	59.8	-0.00	-0.08	1.79
	39	274.7	-1144.5	-59.8	-0.00	-0.00	0.00
15	62	-358.0	629.7	-89.4	0.00	0.12	0.62
	39	274.7	-282.5	89.4	0.00	-0.00	0.01
16	62	-358.0	629.7	109.9	-0.00	-0.15	0.62
	39	274.7	-282.5	-109.9	-0.00	0.00	0.00
17	62	-358.0	1491.7	-88.6	-0.00	0.12	1.79
	39	274.7	-1144.5	88.6	0.00	-0.00	0.01
18	62	-358.0	1491.7	110.7	-0.00	-0.15	1.79
	39	274.7	-1144.5	-110.7	0.00	0.00	0.01
19	62	-358.0	2181.3	-184.8	0.00	0.25	2.73
	39	274.7	-1834.1	184.8	0.00	-0.00	0.01
20	62	-358.0	2181.3	147.4	-0.00	-0.20	2.73
	39	274.7	-1834.1	-147.4	-0.00	0.00	0.01
21	62	-358.0	1491.7	-192.5	0.00	0.26	1.79
	39	274.7	-1144.5	192.5	0.00	-0.00	0.01
22	62	-358.0	1491.7	139.7	-0.00	-0.19	1.79
	39	274.7	-1144.5	-139.7	-0.00	0.00	0.00
23	62	-358.0	974.5	-162.4	0.00	0.22	1.08
	39	274.7	-627.3	162.4	0.00	-0.00	0.01
24	62	-358.0	974.5	169.7	-0.00	-0.23	1.09
	39	274.7	-627.3	-169.7	-0.00	0.00	0.00
25	62	-358.0	1491.7	-162.0	0.00	0.22	1.79
	39	274.7	-1144.5	162.0	0.00	-0.00	0.01
26	62	-358.0	1491.7	170.2	-0.00	-0.23	1.79
	39	274.7	-1144.5	-170.2	0.00	0.00	0.00
27	62	-467.5	1526.9	-63.5	-0.00	0.09	1.88
	39	403.4	-1259.8	63.5	-0.00	0.00	0.01
28	62	-449.7	1522.3	-104.3	-0.00	0.14	1.88
	39	385.6	-1255.2	104.3	-0.00	0.00	0.01
29	62	-419.1	1514.2	35.9	0.00	-0.05	1.87
	39	355.0	-1247.1	-35.9	-0.00	-0.00	0.01
30	62	-330.0	1491.0	12.4	-0.00	-0.02	1.84
	39	265.9	-1223.9	-12.4	-0.00	-0.00	0.01
31	62	-269.7	1475.3	84.6	0.00	-0.12	1.83
	39	205.6	-1208.2	-84.6	-0.00	-0.00	0.00
32	62	-251.9	1470.7	43.8	0.00	-0.06	1.82
	39	187.8	-1203.5	-43.8	-0.00	-0.00	0.00
33	62	-359.7	1498.9	-100.0	-0.00	0.14	1.85
	39	295.6	-1231.7	100.0	0.00	0.00	0.01
34	62	-300.4	1483.4	-55.5	-0.00	0.08	1.84
	39	236.2	-1216.2	55.5	0.00	0.00	0.01

	62	-251.0	1046.0	-4.3	-0.00	0.01	1.24
	39	186.9	-778.9	4.3	-0.00	0.00	0.00
36	62	-142.4	1052.9	-7.0	0.00	0.01	1.25
	39	78.3	-785.8	7.0	-0.00	0.00	0.00
37	62	-142.4	593.2	-12.1	0.00	0.02	0.63
	39	78.3	-326.0	12.1	-0.00	-0.00	0.00
38	62	-142.4	248.4	7.9	0.00	-0.01	0.16
	39	78.3	18.8	-7.9	-0.00	0.00	0.00
39	62	-142.4	593.2	8.2	-0.00	-0.01	0.62
	39	78.3	-326.0	-8.2	0.00	-0.00	0.00
40	62	-142.4	593.2	-65.2	0.00	0.09	0.62
	39	78.3	-326.0	65.2	0.00	-0.00	0.00
41	62	-142.4	593.2	67.7	-0.00	-0.09	0.63
	39	78.3	-326.0	-67.7	-0.00	0.00	0.00
42	62	-359.7	1498.8	-9.8	-0.00	0.01	1.85
	39	295.6	-1231.7	9.8	0.00	0.00	0.01
43	62	-465.6	1526.4	-65.2	-0.00	0.09	1.88
	39	401.5	-1259.2	65.2	0.00	0.00	0.01
44	62	-448.3	1521.9	-104.9	-0.00	0.14	1.88
	39	384.2	-1254.8	104.9	0.00	0.00	0.01
45	62	-417.8	1513.9	33.7	0.00	-0.05	1.87
	39	353.7	-1246.7	-33.7	-0.00	-0.00	0.01
46	62	-359.4	1498.7	78.9	0.00	-0.11	1.85
	39	295.3	-1231.5	-78.9	-0.00	-0.00	0.01
47	62	-271.1	1475.7	85.2	0.00	-0.12	1.83
	39	207.0	-1208.6	-85.2	-0.00	-0.00	0.00
48	62	-253.8	1471.2	45.6	0.00	-0.06	1.82
	39	189.7	-1204.1	-45.6	-0.00	-0.00	0.00
49	62	-360.0	1498.9	-98.5	-0.00	0.13	1.85
	39	295.9	-1231.8	98.5	0.00	0.00	0.01
50	62	-301.6	1483.7	-53.4	-0.00	0.07	1.84
	39	237.5	-1216.6	53.4	0.00	0.00	0.00
51	62	-228.7	615.7	-43.7	-0.00	0.06	0.65
	39	164.6	-348.5	43.7	-0.00	0.00	0.01
52	62	-214.6	612.0	-75.5	-0.00	0.10	0.65
	39	150.4	-344.9	75.5	-0.00	0.00	0.01
53	62	-189.8	605.5	36.1	0.00	-0.05	0.64
	39	125.6	-338.3	-36.1	-0.00	-0.00	0.01
54	62	-142.2	593.1	72.6	0.00	-0.10	0.62
	39	78.1	-326.0	-72.6	-0.00	-0.00	0.00
55	62	-70.2	574.3	78.1	0.00	-0.11	0.60
	39	6.1	-307.2	-78.1	-0.00	-0.00	-0.00
56	62	-56.0	570.7	46.2	0.00	-0.06	0.60
	39	-8.1	-303.6	-46.2	-0.00	-0.00	-0.00
57	62	-142.5	593.3	-70.1	-0.00	0.10	0.62
	39	78.4	-326.1	70.1	0.00	0.00	0.00
58	62	-95.0	580.9	-33.6	-0.00	0.05	0.61
	39	30.9	-313.7	33.6	0.00	0.00	-0.00
1	185	-1093.6	4362.1	223.1	-0.04	-0.23	0.65
	155	-154.4	837.9	-223.1	0.04	-0.14	2.25
2	185	-1506.4	5755.3	213.7	-0.18	-0.22	1.23
	155	258.4	-555.3	-213.7	0.18	-0.13	3.96
3	185	-200.1	9922.3	873.2	-0.21	-1.39	6.32
	155	-1047.9	-4722.3	-873.2	0.21	-0.05	5.73
4	185	903.6	8999.7	585.2	-0.08	-0.94	5.96

	155	-2151.6	-3799.7	-585.2	0.08	-0.02	4.57
5	185	1721.2	6423.7	1032.4	-0.15	-1.62	3.41
	155	-2969.2	-1223.7	-1032.4	0.15	-0.08	2.88
6	185	1158.2	7565.0	1220.3	-0.24	-1.90	4.09
	155	-2406.2	-2365.0	-1220.3	0.24	-0.11	4.08
7	185	-4333.0	5663.5	-628.5	-0.22	1.21	-0.23
	155	3085.0	-463.5	628.5	0.22	-0.17	5.27
8	185	-3229.2	4740.8	-916.5	-0.09	1.65	-0.59
	155	1981.2	459.2	916.5	0.09	-0.14	4.11
9	185	-2411.7	2164.9	-469.3	-0.16	0.97	-3.14
	155	1163.7	3035.1	469.3	0.16	-0.20	2.42
10	185	-2974.6	3306.2	-281.4	-0.25	0.69	-2.46
	155	1726.6	1893.8	281.4	0.25	-0.23	3.62
11	185	-500.4	10584.2	817.0	-0.16	-1.30	7.24
	155	-747.6	-5384.2	-817.0	0.16	-0.04	5.90
12	185	-4633.3	6325.3	-684.7	-0.17	1.29	0.69
	155	3385.3	-1125.3	684.7	0.17	-0.17	5.44
13	185	1339.1	9046.4	337.0	0.04	-0.56	6.63
	155	-2587.1	-3846.4	-337.0	-0.04	0.01	3.97
14	185	-2793.7	4787.6	-1164.7	0.04	2.03	0.09
	155	1545.7	412.4	1164.7	-0.04	-0.12	3.51
15	185	2701.7	4753.1	1082.4	-0.06	-1.69	2.39
	155	-3949.7	446.9	-1082.4	0.06	-0.09	1.16
16	185	-1431.1	494.3	-419.4	-0.07	0.90	-4.16
	155	183.1	4705.7	419.4	0.07	-0.21	0.70
17	185	1763.4	6655.3	1395.6	-0.22	-2.16	3.52
	155	-3011.4	-1455.3	-1395.6	0.22	-0.14	3.15
18	185	-2369.4	2396.5	-106.2	-0.23	0.44	-3.03
	155	1121.4	2803.5	106.2	0.23	-0.26	2.69
19	185	1383.9	10645.4	1378.5	-0.14	-2.26	8.21
	155	-2631.9	-5445.4	-1378.5	0.14	-0.01	5.03
20	185	-5504.2	3547.3	-1124.4	-0.15	2.07	-2.70
	155	4256.2	1652.7	1124.4	0.15	-0.22	4.26
21	185	2487.7	9722.7	1090.5	-0.01	-1.81	7.85
	155	-3735.7	-4522.7	-1090.5	0.01	0.02	3.87
22	185	-4400.4	2624.6	-1412.4	-0.03	2.51	-3.06
	155	3152.4	2575.4	1412.4	0.03	-0.19	3.11
23	185	3305.2	7146.7	1537.7	-0.08	-2.49	5.30
	155	-4553.2	-1946.7	-1537.7	0.08	-0.04	2.18
24	185	-3582.9	48.7	-965.2	-0.09	1.84	-5.61
	155	2334.9	5151.3	965.2	0.09	-0.25	1.42
25	185	2742.3	8288.0	1725.6	-0.17	-2.77	5.98
	155	-3990.3	-3088.0	-1725.6	0.17	-0.07	3.38
26	185	-4145.8	1190.0	-777.2	-0.18	1.56	-4.93
	155	2897.8	4010.0	777.2	0.18	-0.28	2.61
27	185	2072.2	1138.0	-747.1	-0.64	1.34	-2.23
	155	-3032.2	2862.0	747.1	0.64	-0.00	0.81
28	185	1558.8	1661.3	-2416.2	-0.21	3.34	-1.71
	155	-2518.8	2338.7	2416.2	0.21	0.77	1.15
29	185	659.8	2622.1	2412.5	-0.92	-2.73	-0.73
	155	-1619.8	1377.9	-2412.5	0.92	-1.24	1.75
30	185	-1920.0	5289.6	669.9	-0.02	-0.90	1.93
	155	960.0	-1289.6	-669.9	0.02	-0.24	3.48
31	185	-3674.7	7122.6	2716.9	-0.02	-3.64	3.78
	155	2714.7	-3122.6	-2716.9	0.02	-0.97	4.65
32	185	-4188.2	7645.9	1047.8	0.41	-1.64	4.29

	155	3228.2	-3645.9	-1047.8	-0.41	-0.19	5.00
33	185	-1051.7	4366.4	-3151.1	0.50	3.93	0.99
	155	91.7	-366.4	3151.1	-0.50	1.34	2.90
34	185	-2775.8	6161.7	-2111.9	0.69	2.43	2.79
	155	1815.8	-2161.7	2111.9	-0.69	1.05	4.06
35	185	-920.4	3927.5	153.5	-0.07	-0.15	0.84
	155	-39.6	72.5	-153.5	0.07	-0.10	2.33
36	185	-1289.5	4821.6	95.7	-0.05	-0.06	1.86
	155	329.5	-821.6	-95.7	0.05	-0.09	2.79
37	185	-553.7	4206.5	-96.3	0.04	0.23	1.61
	155	-406.3	-206.5	96.3	-0.04	-0.07	2.02
38	185	-8.6	2489.2	201.8	-0.01	-0.22	-0.08
	155	-951.4	1510.8	-201.8	0.01	-0.11	0.89
39	185	-383.9	3250.0	327.1	-0.07	-0.41	0.37
	155	-576.1	750.0	-327.1	0.07	-0.13	1.69
40	185	594.9	4882.8	657.2	-0.02	-1.02	2.83
	155	-1554.9	-882.8	-657.2	0.02	-0.06	1.92
41	185	-2160.4	2043.5	-344.0	-0.03	0.71	-1.54
	155	1200.4	1956.5	344.0	0.03	-0.15	1.61
42	185	-1058.0	4391.9	150.3	-0.11	-0.15	1.03
	155	98.0	-391.9	-150.3	0.11	-0.10	2.90
43	185	2048.9	1163.3	-782.0	-0.65	1.39	-2.20
	155	-3008.9	2836.7	782.0	0.65	0.01	0.82
44	185	1537.6	1682.8	-2536.3	-0.21	3.49	-1.69
	155	-2497.6	2317.2	2536.3	0.21	0.82	1.17
45	185	649.5	2635.4	2531.4	-0.95	-2.86	-0.71
	155	-1609.5	1364.6	-2531.4	0.95	-1.30	1.76
46	185	-1061.2	4416.7	3617.0	-0.76	-4.42	1.08
	155	101.2	-416.7	-3617.0	0.76	-1.60	2.90
47	185	-3653.6	7101.1	2836.9	-0.02	-3.79	3.76
	155	2693.6	-3101.1	-2836.9	0.02	-1.01	4.63
48	185	-4164.8	7620.6	1082.6	0.42	-1.69	4.27
	155	3204.8	-3620.6	-1082.6	-0.42	-0.20	4.98
49	185	-1054.7	4367.1	-3316.4	0.53	4.12	0.99
	155	94.7	-367.1	3316.4	-0.53	1.41	2.90
50	185	-2765.5	6148.5	-2230.7	0.72	2.57	2.78
	155	1805.5	-2148.5	2230.7	-0.72	1.10	4.05
51	185	1751.3	830.0	-590.4	-0.46	1.09	-1.99
	155	-2711.3	3170.0	590.4	0.46	-0.02	0.07
52	185	1333.0	1255.0	-1995.1	-0.10	2.77	-1.58
	155	-2293.0	2745.0	1995.1	0.10	0.63	0.35
53	185	611.9	2028.6	2063.0	-0.70	-2.32	-0.78
	155	-1571.9	1971.4	-2063.0	0.70	-1.07	0.83
54	185	-783.0	3481.0	2932.6	-0.54	-3.57	0.68
	155	-177.0	519.0	-2932.6	0.54	-1.31	1.76
55	185	-2898.5	5671.3	2308.3	0.05	-3.07	2.87
	155	1938.5	-1671.3	-2308.3	-0.05	-0.84	3.17
56	185	-3316.8	6096.3	903.6	0.41	-1.40	3.28
	155	2356.8	-2096.3	-903.6	-0.41	-0.19	3.46
57	185	-782.5	3445.3	-2619.4	0.50	3.26	0.61
	155	-177.5	554.7	2619.4	-0.50	1.10	1.77
58	185	-2177.4	4897.7	-1749.8	0.65	2.02	2.07
	155	1217.4	-897.7	1749.8	-0.65	0.86	2.70
1	155	371.5	-1742.5	19.1	-0.04	0.14	-2.24
	125	-1619.5	6942.5	-19.1	0.04	-0.17	-4.91

	155	746.0	-3630.1	6.2	-0.18	0.13	-3.92
	125	-1994.0	8830.1	-6.2	0.18	-0.14	-6.34
3	155	2052.4	-1128.5	1037.9	-0.21	0.05	-5.67
	125	-3300.4	6328.5	-1037.9	0.21	-1.76	-0.47
4	155	3156.1	-385.6	740.1	-0.08	0.02	-4.53
	125	-4404.1	5585.6	-740.1	0.08	-1.24	-0.39
5	155	3973.7	-1712.5	1174.8	-0.15	0.08	-2.85
	125	-5221.7	6912.5	-1174.8	0.15	-2.01	-4.25
6	155	3410.7	-1820.3	1349.4	-0.24	0.11	-4.03
	125	-4658.7	7020.3	-1349.4	0.24	-2.33	-3.24
7	155	-2080.5	-5387.3	-1180.7	-0.22	0.17	-5.20
	125	832.5	10587.3	1180.7	0.22	1.77	-7.94
8	155	-976.8	-4644.5	-1478.5	-0.09	0.14	-4.07
	125	-271.2	9844.5	1478.5	0.09	2.29	-7.86
9	155	-159.2	-5971.4	-1043.8	-0.16	0.20	-2.39
	125	-1088.8	11171.4	1043.8	0.16	1.52	-11.71
10	155	-722.2	-6079.1	-869.2	-0.25	0.23	-3.57
	125	-525.8	11279.1	869.2	0.25	1.20	-10.71
11	155	1358.4	63.4	992.6	-0.16	0.04	-5.84
	125	-2606.4	5136.6	-992.6	0.16	-1.68	1.67
12	155	-2774.5	-4195.4	-1226.0	-0.17	0.17	-5.38
	125	1526.5	9395.4	1226.0	0.17	1.85	-5.80
13	155	3197.9	1301.5	496.2	0.04	-0.01	-3.94
	125	-4445.9	3898.5	-496.2	-0.04	-0.81	1.80
14	155	-934.9	-2957.4	-1722.4	0.04	0.12	-3.48
	125	-313.1	8157.4	1722.4	-0.04	2.72	-5.66
15	155	4560.5	-910.0	1220.8	-0.06	0.09	-1.15
	125	-5808.5	6110.0	-1220.8	0.06	-2.10	-4.63
16	155	427.7	-5168.8	-997.8	-0.07	0.21	-0.69
	125	-1675.7	10368.8	997.8	0.07	1.43	-12.09
17	155	3622.2	-1089.6	1511.8	-0.22	0.14	-3.12
	125	-4870.2	6289.6	-1511.8	0.22	-2.63	-2.95
18	155	-510.6	-5348.5	-706.8	-0.23	0.26	-2.66
	125	-737.4	10548.5	706.8	0.23	0.90	-10.42
19	155	3242.7	1234.9	1783.9	-0.14	0.01	-4.98
	125	-4490.7	3965.1	-1783.9	0.14	-2.95	2.73
20	155	-3645.4	-5863.1	-1913.8	-0.15	0.22	-4.21
	125	2397.4	11063.1	1913.8	0.15	2.93	-9.71
21	155	4346.4	1977.8	1486.1	-0.01	-0.02	-3.84
	125	-5594.4	3222.2	-1486.1	0.01	-2.43	2.82
22	155	-2541.6	-5120.3	-2211.6	-0.03	0.19	-3.07
	125	1293.6	10320.3	2211.6	0.03	3.45	-9.63
23	155	5164.0	650.9	1920.8	-0.08	0.04	-2.17
	125	-6412.0	4549.1	-1920.8	0.08	-3.20	-1.04
24	155	-1724.1	-6447.2	-1776.8	-0.09	0.25	-1.40
	125	476.1	11647.2	1776.8	0.09	2.68	-13.49
25	155	4601.0	543.1	2095.4	-0.17	0.07	-3.35
	125	-5849.0	4656.9	-2095.4	0.17	-3.52	-0.03
26	155	-2287.0	-6555.0	-1602.2	-0.18	0.28	-2.58
	125	1039.1	11755.0	1602.2	0.18	2.36	-12.48
27	155	4790.7	-5318.5	-1612.8	-0.64	0.00	-0.78
	125	-5750.7	9318.5	1612.8	0.64	2.49	-11.26
28	155	4100.8	-4851.8	-2375.7	-0.21	-0.77	-1.12
	125	-5060.8	8851.8	2375.7	0.21	4.37	-10.15
29	155	2886.5	-3993.3	666.2	-0.92	1.24	-1.72
	125	-3846.5	7993.3	-666.2	0.92	-2.17	-8.14

	155	-585.6	-1612.9	585.2	-0.02	0.24	-3.44
	125	-374.4	5612.9	-585.2	0.02	-1.13	-2.50
31	155	-2949.8	23.5	2355.6	-0.02	0.97	-4.62
	125	1989.8	3976.5	-2355.6	0.02	-4.53	1.36
32	155	-3639.7	490.2	1592.7	0.41	0.19	-4.96
	125	2679.7	3509.8	-1592.7	-0.41	-2.65	2.48
33	155	586.6	-2437.6	-1876.8	0.50	-1.34	-2.87
	125	-1546.6	6437.6	1876.8	-0.50	4.11	-4.43
34	155	-1735.5	-835.0	-686.3	0.69	-1.05	-4.02
	125	775.5	4835.0	686.3	-0.69	2.01	-0.64
35	155	450.6	-1785.0	-5.7	-0.07	0.10	-2.31
	125	-1410.6	5785.0	5.7	0.07	-0.09	-3.92
36	155	-180.9	-907.7	-53.2	-0.05	0.09	-2.77
	125	-779.1	4907.7	53.2	0.05	-0.01	-2.02
37	155	554.9	-412.4	-251.7	0.04	0.07	-2.01
	125	-1514.9	4412.4	251.7	-0.04	0.34	-1.96
38	155	1099.9	-1297.0	38.1	-0.01	0.11	-0.89
	125	-2059.9	5297.0	-38.1	0.01	-0.17	-4.54
39	155	724.6	-1368.9	154.5	-0.07	0.13	-1.68
	125	-1684.6	5368.9	-154.5	0.07	-0.39	-3.86
40	155	1703.4	263.8	738.1	-0.02	0.06	-1.91
	125	-2663.4	3736.2	-738.1	0.02	-1.28	-0.95
41	155	-1051.8	-2575.4	-741.0	-0.03	0.15	-1.60
	125	91.8	6575.4	741.0	0.03	1.07	-5.93
42	155	575.5	-2414.2	-10.0	-0.11	0.10	-2.87
	125	-1535.5	6414.2	10.0	0.11	-0.08	-4.39
43	155	4748.7	-5299.2	-1656.1	-0.65	-0.01	-0.80
	125	-5708.7	9299.2	1656.1	0.65	2.55	-11.21
44	155	4065.5	-4834.8	-2433.0	-0.21	-0.82	-1.14
	125	-5025.5	8834.8	2433.0	0.21	4.51	-10.11
45	155	2863.7	-3984.0	674.4	-0.95	1.30	-1.73
	125	-3823.7	7984.0	-674.4	0.95	-2.27	-8.12
46	155	564.7	-2392.3	1895.1	-0.76	1.60	-2.87
	125	-1524.7	6392.3	-1895.1	0.76	-4.43	-4.36
47	155	-2914.5	6.4	2412.9	-0.02	1.01	-4.60
	125	1954.5	3993.6	-2412.9	0.02	-4.68	1.32
48	155	-3597.7	470.9	1636.0	0.42	0.20	-4.94
	125	2637.8	3529.1	-1636.0	-0.42	-2.72	2.43
49	155	586.3	-2436.0	-1915.2	0.53	-1.41	-2.87
	125	-1546.3	6436.0	1915.2	-0.53	4.27	-4.43
50	155	-1712.7	-844.3	-694.5	0.72	-1.10	-4.01
	125	752.7	4844.3	694.5	-0.72	2.10	-0.67
51	155	3729.5	-3508.7	-1337.7	-0.46	0.02	-0.06
	125	-4689.5	7508.7	1337.7	0.46	2.03	-9.00
52	155	3170.7	-3128.7	-1958.5	-0.10	-0.63	-0.34
	125	-4130.7	7128.7	1958.5	0.10	3.60	-8.10
53	155	2194.4	-2438.0	539.3	-0.70	1.07	-0.82
	125	-3154.4	6438.0	-539.3	0.70	-1.84	-6.48
54	155	319.8	-1140.2	1527.3	-0.54	1.31	-1.75
	125	-1279.8	5140.2	-1527.3	0.54	-3.59	-3.42
55	155	-2519.1	817.1	1955.7	0.05	0.84	-3.16
	125	1559.1	3182.9	-1955.7	-0.05	-3.80	1.22
56	155	-3077.9	1197.1	1334.8	0.41	0.19	-3.44
	125	2117.9	2802.9	-1334.8	-0.41	-2.24	2.12
57	155	331.8	-1171.3	-1530.2	0.50	-1.10	-1.76
	125	-1291.8	5171.3	1530.2	-0.50	3.38	-3.46

	155	-1542.8	126.4	-542.1	0.65	-0.86	-2.69
	125	582.8	3873.6	542.1	-0.65	1.63	-0.40
1	125	-1724.2	8308.6	-112.4	0.09	0.03	6.42
	86	-11.3	-1077.3	112.4	-0.09	0.23	4.32
2	125	-1998.4	10662.4	-175.9	0.16	0.05	8.75
	86	262.9	-3431.2	175.9	-0.16	0.35	7.37
3	125	10107.1	13596.4	-150.7	0.33	-0.36	14.83
	86	-11842.6	-6365.2	150.7	-0.33	0.71	8.01
4	125	14546.2	11961.7	-273.9	0.28	-0.13	12.75
	86	-16281.7	-4730.5	273.9	-0.28	0.76	6.35
5	125	12358.2	7970.8	-96.1	0.27	-0.48	5.79
	86	-14093.7	-739.6	96.1	-0.27	0.70	4.17
6	125	10862.8	10038.1	-45.0	0.31	-0.54	9.00
	86	-12598.3	-2806.9	45.0	-0.31	0.64	5.69
7	125	-16199.1	14008.3	-260.1	0.06	0.59	12.69
	86	14463.6	-6777.1	260.1	-0.06	0.00	11.09
8	125	-11760.1	12373.6	-383.3	0.01	0.82	10.61
	86	10024.6	-5142.3	383.3	-0.01	0.06	9.43
9	125	-13948.0	8382.7	-205.4	0.00	0.48	3.66
	86	12212.5	-1151.5	205.4	-0.00	-0.01	7.25
10	125	-15443.4	10450.0	-154.3	0.04	0.41	6.87
	86	13707.9	-3218.8	154.3	-0.04	-0.06	8.77
11	125	9545.8	14512.8	-138.6	0.31	-0.34	17.00
	86	-11281.3	-7281.5	138.6	-0.31	0.65	7.93
12	125	-16760.4	14924.7	-248.0	0.04	0.62	14.87
	86	15024.9	-7693.4	248.0	-0.04	-0.05	11.01
13	125	16944.3	11788.3	-344.0	0.23	0.05	13.53
	86	-18679.8	-4557.0	344.0	-0.23	0.74	5.17
14	125	-9361.9	12200.2	-453.3	-0.03	1.00	11.40
	86	7626.4	-4968.9	453.3	0.03	0.04	8.25
15	125	13297.7	5136.8	-47.5	0.22	-0.52	1.94
	86	-15033.2	2094.5	47.5	-0.22	0.63	1.54
16	125	-13008.5	5548.7	-156.9	-0.05	0.43	-0.19
	86	11273.0	1682.6	156.9	0.05	-0.07	4.61
17	125	10805.4	8582.3	37.6	0.27	-0.63	7.29
	86	-12540.9	-1351.1	-37.6	-0.27	0.55	4.07
18	125	-15500.9	8994.2	-71.7	0.01	0.32	5.16
	86	13765.4	-1762.9	71.7	-0.01	-0.16	7.15
19	125	19013.0	12282.2	-82.5	0.38	-0.69	14.37
	86	-20748.5	-5051.0	82.5	-0.38	0.88	5.46
20	125	-24830.7	12968.7	-264.8	-0.07	0.90	10.82
	86	23095.2	-5737.4	264.8	0.07	-0.29	10.58
21	125	23452.0	10647.5	-205.7	0.33	-0.46	12.29
	86	-25187.5	-3416.2	205.7	-0.33	0.93	3.80
22	125	-20391.7	11334.0	-388.0	-0.11	1.13	8.74
	86	18656.2	-4102.7	388.0	0.11	-0.24	8.92
23	125	21264.1	6656.6	-27.9	0.32	-0.81	5.34
	86	-22999.6	574.6	27.9	-0.32	0.87	1.62
24	125	-22579.6	7343.1	-210.1	-0.12	0.78	1.78
	86	20844.1	-111.8	210.1	0.12	-0.30	6.75
25	125	19768.7	8723.9	23.2	0.36	-0.87	8.55
	86	-21504.2	-1492.7	-23.2	-0.36	0.82	3.14
26	125	-24075.0	9410.4	-159.0	-0.09	0.72	4.99
	86	22339.5	-2179.1	159.0	0.09	-0.35	8.27
27	125	2849.5	2758.1	590.7	0.15	-0.58	-3.49

	86	-4184.5	2804.4	-590.7	-0.15	0.40	3.44
28	125	2164.4	3570.6	237.0	0.26	-1.87	-1.92
	86	-3499.4	1991.9	-237.0	-0.26	1.38	3.73
29	125	978.6	5080.7	620.9	-0.04	1.82	0.98
	86	-2313.6	481.8	-620.9	0.04	-1.19	4.28
30	125	-2452.0	9238.4	-296.6	0.08	0.43	8.98
	86	1117.0	-3675.9	296.6	-0.08	0.06	5.80
31	125	-4779.6	12102.7	-502.2	-0.04	1.97	14.49
	86	3444.6	-6540.2	502.2	0.04	-0.87	6.84
32	125	-5464.7	12915.3	-856.0	0.07	0.68	16.05
	86	4129.7	-7352.8	856.0	-0.07	0.11	7.13
33	125	-1305.1	7789.3	-558.3	0.31	-2.48	6.20
	86	-29.9	-2226.8	558.3	-0.31	2.08	5.26
34	125	-3593.8	10592.7	-886.2	0.26	-1.71	11.59
	86	2258.8	-5030.1	886.2	-0.26	1.69	6.29
35	125	-1216.2	7052.1	-111.5	0.09	0.04	5.51
	86	-118.8	-1489.6	111.5	-0.09	0.21	4.27
36	125	-1823.1	8360.7	-109.9	0.08	0.07	8.07
	86	488.1	-2798.2	109.9	-0.08	0.18	4.70
37	125	1136.2	7270.9	-192.1	0.05	0.23	6.68
	86	-2471.2	-1708.4	192.1	-0.05	0.21	3.59
38	125	-322.4	4610.3	-73.5	0.05	-0.00	2.04
	86	-1012.6	952.2	73.5	-0.05	0.17	2.14
39	125	-1319.3	5988.5	-39.4	0.07	-0.04	4.18
	86	-15.7	-426.0	39.4	-0.07	0.13	3.15
40	125	7644.0	6130.1	-53.8	0.15	-0.28	5.44
	86	-8979.0	-567.6	53.8	-0.15	0.41	2.22
41	125	-9893.5	6404.7	-126.7	-0.03	0.35	4.02
	86	8558.5	-842.2	126.7	0.03	-0.06	4.27
42	125	-1307.6	7836.7	-132.6	0.11	0.05	6.28
	86	-27.4	-2274.2	132.6	-0.11	0.25	5.28
43	125	2818.5	2801.2	-507.3	0.16	-0.54	-3.41
	86	-4153.5	2761.3	507.3	-0.16	0.41	3.45
44	125	2138.2	3606.3	-829.5	0.26	-1.83	-1.86
	86	-3473.2	1956.2	829.5	-0.26	1.43	3.74
45	125	962.2	5104.9	243.6	-0.04	1.82	1.02
	86	-2297.2	457.6	-243.6	0.04	-1.25	4.30
46	125	-1309.4	7884.7	565.1	-0.10	2.56	6.37
	86	-25.6	-2322.2	-565.1	0.10	-1.65	5.31
47	125	-4753.4	12067.1	564.2	-0.04	1.93	14.42
	86	3418.4	-6504.6	-564.2	0.04	-0.92	6.82
48	125	-5433.7	12872.2	242.0	0.06	0.64	15.98
	86	4098.7	-7309.7	-242.0	-0.06	0.10	7.11
49	125	-1305.8	7788.6	-830.3	0.32	-2.46	6.20
	86	-29.2	-2226.1	830.3	-0.32	2.16	5.26
50	125	-3577.4	10568.4	-508.9	0.26	-1.72	11.55
	86	2242.4	-5005.9	508.9	-0.26	1.76	6.27
51	125	2240.5	2160.9	-395.4	0.10	-0.45	-3.18
	86	-3575.5	3401.6	395.4	-0.10	0.29	1.76
52	125	1683.9	2819.4	-657.8	0.18	-1.49	-1.91
	86	-3018.9	2743.1	657.8	-0.18	1.11	1.99
53	125	729.0	4036.6	216.2	-0.06	1.46	0.43
	86	-2064.0	1525.9	-216.2	0.06	-1.04	2.44
54	125	-1123.2	6303.0	477.9	-0.11	2.07	4.79
	86	-211.8	-740.5	-477.9	0.11	-1.36	3.27
55	125	-3933.4	9715.5	477.2	-0.06	1.56	11.36

	86	2598.4	-4153.0	-477.2	0.06	-0.77	4.50
56	125	-4490.0	10374.0	214.8	0.02	0.52	12.63
	86	3155.0	-4811.5	-214.8	-0.02	0.05	4.74
57	125	-1126.3	6231.9	-658.5	0.23	-2.00	4.66
	86	-208.7	-669.4	658.5	-0.23	1.70	3.23
58	125	-2978.5	8498.3	-396.7	0.18	-1.40	9.03
	86	1643.5	-2935.8	396.7	-0.18	1.38	4.06
1	86	298.7	-120.1	267.1	0.09	-0.23	-4.32
	62	-2034.2	7351.4	-267.1	-0.09	-0.38	-4.23
2	86	1119.4	-2328.6	398.9	0.16	-0.35	-7.37
	62	-2854.9	9559.8	-398.9	-0.16	-0.56	-6.23
3	86	13224.9	-1710.6	1153.9	0.33	-0.71	-8.01
	62	-14960.4	8941.9	-1153.9	-0.33	-1.93	-4.18
4	86	17664.0	-1029.3	1062.8	0.28	-0.76	-6.35
	62	-19399.5	8260.5	-1062.8	-0.28	-1.67	-4.28
5	86	15476.0	-3283.1	1195.5	0.27	-0.70	-4.17
	62	-17211.5	10514.4	-1195.5	-0.27	-2.04	-11.61
6	86	13980.6	-2952.9	1200.4	0.31	-0.64	-5.69
	62	-15716.1	10184.1	-1200.4	-0.31	-2.10	-9.34
7	86	-13081.3	-1298.7	-398.6	0.06	-0.00	-11.08
	62	11345.8	8530.0	398.6	-0.06	0.92	-0.16
8	86	-8642.2	-617.4	-489.7	0.01	-0.06	-9.42
	62	6906.7	7848.7	489.7	-0.01	1.18	-0.26
9	86	-10830.2	-2871.3	-357.0	0.00	0.01	-7.25
	62	9094.7	10102.5	357.0	-0.00	0.81	-7.60
10	86	-12325.6	-2541.0	-352.1	0.04	0.06	-8.77
	62	10590.1	9772.2	352.1	-0.04	0.75	-5.32
11	86	12116.2	-57.1	1073.8	0.31	-0.65	-7.93
	62	-13851.7	7288.4	-1073.8	-0.31	-1.80	-0.47
12	86	-14190.0	354.8	-478.7	0.04	0.05	-11.01
	62	12454.5	6876.5	478.7	-0.04	1.04	3.55
13	86	19514.7	1078.4	921.9	0.23	-0.74	-5.17
	62	-21250.2	6152.8	-921.9	-0.23	-1.37	-0.64
14	86	-6791.6	1490.3	-630.6	-0.03	-0.04	-8.24
	62	5056.1	5740.9	630.6	0.03	1.48	3.38
15	86	15868.1	-2678.0	1143.2	0.22	-0.63	-1.54
	62	-17603.6	9909.2	-1143.2	-0.22	-1.98	-12.86
16	86	-10438.2	-2266.1	-409.3	-0.05	0.07	-4.61
	62	8702.7	9497.4	409.3	0.05	0.86	-8.84
17	86	13375.7	-2127.5	1151.4	0.27	-0.55	-4.07
	62	-15111.2	9358.8	-1151.4	-0.27	-2.09	-9.07
18	86	-12930.5	-1715.6	-401.1	0.01	0.16	-7.15
	62	11195.0	8946.9	401.1	-0.01	0.76	-5.05
19	86	21583.3	-743.7	1605.5	0.38	-0.88	-5.46
	62	-23318.8	7974.9	-1605.5	-0.38	-2.79	-4.52
20	86	-22260.4	-57.2	-982.0	-0.07	0.29	-10.58
	62	20524.9	7288.5	982.0	0.07	1.96	2.18
21	86	26022.4	-62.3	1514.3	0.33	-0.93	-3.80
	62	-27757.9	7293.6	-1514.3	-0.33	-2.53	-4.62
22	86	-17821.3	624.1	-1073.2	-0.11	0.24	-8.92
	62	16085.8	6607.1	1073.2	0.11	2.22	2.08
23	86	23834.4	-2316.2	1647.1	0.32	-0.87	-1.62
	62	-25569.9	9547.4	-1647.1	-0.32	-2.90	-11.95
24	86	-20009.3	-1629.7	-940.4	-0.12	0.30	-6.74
	62	18273.8	8861.0	940.4	0.12	1.85	-5.26

	86	22339.0	-1985.9	1652.0	0.36	-0.82	-3.14
	62	-24074.5	9217.2	-1652.0	-0.36	-2.96	-9.68
26	86	-21504.7	-1299.5	-935.5	-0.09	0.35	-8.26
	62	19769.2	8530.7	935.5	0.09	1.79	-2.98
27	86	6601.5	-6206.5	552.3	0.15	-0.40	-3.44
	62	-7936.5	11769.0	-552.3	-0.15	-1.06	-17.13
28	86	5672.8	-5467.1	2050.4	0.26	-1.38	-3.73
	62	-7007.8	11029.6	-2050.4	-0.26	-3.56	-15.14
29	86	4055.9	-4090.4	-1908.3	-0.04	1.19	-4.29
	62	-5390.9	9652.9	1908.3	0.04	3.19	-11.44
30	86	-602.5	-305.0	-22.7	0.08	-0.06	-5.79
	62	-732.5	5867.5	22.7	-0.08	0.18	-1.27
31	86	-3767.3	2304.1	-1484.6	-0.04	0.87	-6.84
	62	2432.3	3258.4	1484.6	0.04	2.77	5.75
32	86	-4696.0	3043.4	13.4	0.07	-0.11	-7.13
	62	3361.0	2519.1	-13.4	-0.07	0.28	7.73
33	86	960.2	-1625.8	3085.2	0.31	-2.08	-5.26
	62	-2295.2	7188.3	-3085.2	-0.31	-5.13	-4.82
34	86	-2150.4	927.3	2474.1	0.26	-1.69	-6.28
	62	815.4	4635.2	-2474.1	-0.26	-3.98	2.04
35	86	679.2	-845.4	238.9	0.09	-0.21	-4.27
	62	-2014.2	6407.9	-238.9	-0.09	-0.33	-4.03
36	86	-292.7	440.0	180.8	0.08	-0.18	-4.70
	62	-1042.3	5122.5	-180.8	-0.08	-0.24	-0.66
37	86	2666.6	894.3	120.0	0.05	-0.21	-3.59
	62	-4001.6	4668.2	-120.0	-0.05	-0.06	-0.72
38	86	1208.0	-608.3	208.5	0.05	-0.17	-2.14
	62	-2543.0	6170.8	-208.5	-0.05	-0.31	-5.61
39	86	211.1	-388.1	211.8	0.07	-0.13	-3.15
	62	-1546.1	5950.6	-211.8	-0.07	-0.35	-4.10
40	86	9174.4	-246.5	712.5	0.15	-0.41	-2.22
	62	-10509.4	5809.0	-712.5	-0.15	-1.22	-4.70
41	86	-8363.1	28.1	-322.5	-0.03	0.06	-4.27
	62	7028.1	5534.4	322.5	0.03	0.68	-2.03
42	86	952.8	-1581.5	282.9	0.11	-0.25	-5.28
	62	-2287.8	7144.0	-282.9	-0.11	-0.39	-4.70
43	86	6544.9	-6171.3	529.1	0.16	-0.41	-3.46
	62	-7879.9	11733.8	-529.1	-0.16	-1.01	-17.03
44	86	5627.2	-5437.4	2085.9	0.26	-1.43	-3.75
	62	-6962.2	10999.9	-2085.9	-0.26	-3.58	-15.06
45	86	4022.2	-4071.6	-2004.3	-0.04	1.25	-4.30
	62	-5357.2	9634.1	2004.3	0.04	3.33	-11.38
46	86	942.3	-1537.9	-2619.1	-0.10	1.65	-5.31
	62	-2277.3	7100.4	2619.1	0.10	4.47	-4.58
47	86	-3721.6	2274.3	-1520.1	-0.04	0.92	-6.82
	62	2386.6	3288.2	1520.1	0.04	2.80	5.66
48	86	-4639.3	3008.2	36.6	0.06	-0.10	-7.11
	62	3304.3	2554.3	-36.6	-0.06	0.22	7.63
49	86	963.2	-1625.2	3184.9	0.32	-2.16	-5.26
	62	-2298.2	7187.7	-3184.9	-0.32	-5.26	-4.82
50	86	-2116.7	908.5	2570.1	0.26	-1.76	-6.27
	62	781.7	4654.0	-2570.1	-0.26	-4.11	1.99
51	86	4966.4	-3852.3	397.5	0.10	-0.29	-1.76
	62	-6301.4	9414.8	-397.5	-0.10	-0.78	-13.42
52	86	4215.9	-3251.9	1651.3	0.18	-1.11	-1.99
	62	-5550.9	8814.4	-1651.3	-0.18	-2.86	-11.81

	86	2912.1	-2142.8	-1645.8	-0.06	1.04	-2.44
	62	-4247.1	7705.3	1645.8	0.06	2.72	-8.82
54	86	400.8	-77.1	-2143.4	-0.11	1.36	-3.27
	62	-1735.8	5639.6	2143.4	0.11	3.65	-3.27
55	86	-3404.6	3033.4	-1261.3	-0.06	0.77	-4.50
	62	2069.6	2529.1	1261.3	0.06	2.31	5.08
56	86	-4155.1	3633.8	-7.6	0.02	-0.05	-4.74
	62	2820.1	1928.7	7.6	-0.02	0.24	6.69
57	86	410.5	-141.4	2533.4	0.23	-1.70	-3.23
	62	-1745.5	5703.9	-2533.4	-0.23	-4.20	-3.46
58	86	-2100.8	1924.3	2035.7	0.18	-1.38	-4.05
	62	765.8	3638.2	-2035.7	-0.18	-3.27	2.09
1	63	-195.0	812.7	43.1	-0.00	-0.06	0.87
	40	111.7	-465.4	-43.1	-0.00	0.00	-0.00
2	63	-521.2	2171.5	71.4	0.00	-0.10	2.73
	40	437.8	-1824.3	-71.4	-0.00	0.00	-0.00
3	63	-521.2	2861.4	-220.9	-0.00	0.30	3.67
	40	437.8	-2514.1	220.9	-0.00	-0.00	-0.00
4	63	-521.2	2171.5	-189.2	-0.00	0.26	2.72
	40	437.8	-1824.3	189.2	-0.00	-0.00	-0.00
5	63	-521.2	1654.2	-146.0	0.00	0.20	2.02
	40	437.8	-1306.9	146.0	-0.00	-0.00	-0.00
6	63	-521.2	2171.5	-171.7	0.00	0.23	2.73
	40	437.8	-1824.3	171.7	-0.00	-0.00	-0.00
7	63	-521.2	2861.4	278.8	0.00	-0.38	3.67
	40	437.8	-2514.1	-278.8	0.00	0.00	-0.00
8	63	-521.2	2171.5	310.5	0.00	-0.42	2.72
	40	437.8	-1824.3	-310.5	0.00	0.00	-0.00
9	63	-521.2	1654.2	353.7	0.00	-0.48	2.02
	40	437.8	-1306.9	-353.7	-0.00	0.00	-0.00
10	63	-521.2	2171.5	327.9	0.00	-0.45	2.72
	40	437.8	-1824.3	-327.9	-0.00	0.00	-0.00
11	63	-358.1	2641.8	-263.4	-0.00	0.36	3.37
	40	274.8	-2294.6	263.4	-0.00	-0.00	-0.00
12	63	-358.1	2641.8	236.3	0.00	-0.32	3.37
	40	274.8	-2294.6	-236.3	0.00	0.00	-0.00
13	63	-358.1	1492.1	-210.5	-0.00	0.29	1.80
	40	274.8	-1144.8	210.5	-0.00	-0.00	-0.00
14	63	-358.1	1492.1	289.2	-0.00	-0.39	1.80
	40	274.8	-1144.8	-289.2	0.00	0.00	-0.00
15	63	-358.1	629.8	-138.6	0.00	0.19	0.62
	40	274.8	-282.5	138.6	-0.00	-0.00	-0.00
16	63	-358.1	629.8	361.1	0.00	-0.49	0.62
	40	274.8	-282.5	-361.1	-0.00	0.00	-0.00
17	63	-358.1	1492.1	-181.5	-0.00	0.25	1.80
	40	274.8	-1144.8	181.5	-0.00	-0.00	-0.00
18	63	-358.1	1492.1	318.2	0.00	-0.43	1.80
	40	274.8	-1144.8	-318.2	-0.00	0.00	-0.00
19	63	-358.1	2181.9	-401.6	-0.00	0.55	2.74
	40	274.8	-1834.7	401.6	-0.00	-0.00	-0.00
20	63	-358.1	2181.9	431.2	0.00	-0.59	2.74
	40	274.8	-1834.7	-431.2	0.00	0.00	-0.00
21	63	-358.1	1492.1	-369.9	-0.00	0.50	1.80
	40	274.8	-1144.8	369.9	-0.00	-0.00	-0.00
22	63	-358.1	1492.1	462.9	0.00	-0.63	1.80

	40	274.8	-1144.8	-462.9	0.00	0.00	-0.00
23	63	-358.1	974.7	-326.7	-0.00	0.45	1.09
	40	274.8	-627.5	326.7	-0.00	-0.00	-0.00
24	63	-358.1	974.7	506.1	0.00	-0.69	1.09
	40	274.8	-627.5	-506.1	0.00	0.00	-0.00
25	63	-358.1	1492.1	-352.5	-0.00	0.48	1.80
	40	274.8	-1144.8	352.5	-0.00	-0.00	-0.00
26	63	-358.1	1492.1	480.4	0.00	-0.65	1.80
	40	274.8	-1144.8	-480.4	-0.00	0.00	-0.00
27	63	-485.1	1520.5	173.7	-0.00	-0.24	1.89
	40	421.0	-1253.4	-173.7	-0.00	0.00	-0.00
28	63	-466.5	1515.7	134.3	-0.00	-0.18	1.89
	40	402.4	-1248.6	-134.3	-0.00	0.00	-0.00
29	63	-425.6	1512.9	147.7	0.00	-0.20	1.88
	40	361.5	-1245.7	-147.7	-0.00	0.00	-0.00
30	63	-325.0	1493.5	20.4	-0.00	-0.03	1.85
	40	260.9	-1226.4	-20.4	-0.00	0.00	-0.00
31	63	-253.1	1482.6	-31.9	0.00	0.04	1.84
	40	189.0	-1215.5	31.9	-0.00	0.00	-0.00
32	63	-234.5	1477.8	-71.3	0.00	0.10	1.83
	40	170.4	-1210.7	71.3	-0.00	0.00	-0.00
33	63	-363.6	1496.9	16.3	-0.00	-0.02	1.86
	40	299.5	-1229.8	-16.3	0.00	-0.00	-0.00
34	63	-294.0	1485.5	-45.3	-0.00	0.06	1.84
	40	229.9	-1218.4	45.3	0.00	-0.00	-0.00
35	63	-251.1	1046.2	41.8	0.00	-0.06	1.24
	40	187.0	-779.1	-41.8	-0.00	0.00	-0.00
36	63	-142.4	1053.2	4.0	-0.00	-0.01	1.25
	40	78.3	-786.0	-4.0	-0.00	0.00	-0.00
37	63	-142.4	593.3	25.1	-0.00	-0.03	0.63
	40	78.3	-326.1	-25.1	-0.00	-0.00	-0.00
38	63	-142.4	248.4	53.9	0.00	-0.07	0.16
	40	78.3	18.8	-53.9	-0.00	0.00	-0.00
39	63	-142.4	593.3	36.8	0.00	-0.05	0.63
	40	78.3	-326.1	-36.8	-0.00	0.00	-0.00
40	63	-142.4	593.3	-134.2	-0.00	0.18	0.63
	40	78.3	-326.1	134.2	-0.00	-0.00	-0.00
41	63	-142.4	593.3	198.9	0.00	-0.27	0.63
	40	78.3	-326.1	-198.9	0.00	0.00	-0.00
42	63	-359.8	1499.2	51.2	0.00	-0.07	1.86
	40	295.7	-1232.1	-51.2	-0.00	0.00	-0.00
43	63	-481.7	1519.8	165.6	-0.00	-0.23	1.89
	40	417.6	-1252.6	-165.6	-0.00	-0.00	-0.00
44	63	-463.8	1515.1	130.0	-0.00	-0.18	1.89
	40	399.6	-1248.0	-130.0	0.00	-0.00	-0.00
45	63	-423.5	1512.4	139.6	0.00	-0.19	1.88
	40	359.4	-1245.3	-139.6	-0.00	0.00	-0.00
46	63	-355.8	1501.5	81.6	0.00	-0.11	1.87
	40	291.7	-1234.4	-81.6	-0.00	0.00	-0.00
47	63	-255.9	1483.3	-27.6	0.00	0.04	1.84
	40	191.7	-1216.2	27.6	-0.00	0.00	-0.00
48	63	-237.9	1478.6	-63.2	0.00	0.09	1.83
	40	173.8	-1211.5	63.2	-0.00	0.00	-0.00
49	63	-363.8	1496.9	20.8	-0.00	-0.03	1.86
	40	299.7	-1229.7	-20.8	0.00	-0.00	-0.00
50	63	-296.1	1485.9	-37.2	-0.00	0.05	1.84

	40	232.0	-1218.8	37.2	0.00	-0.00	-0.00
51	63	-241.8	610.1	125.6	-0.00	-0.17	0.65
	40	177.7	-342.9	-125.6	0.00	-0.00	-0.00
52	63	-227.1	606.3	96.5	-0.00	-0.13	0.65
	40	163.0	-339.1	-96.5	0.00	-0.00	-0.00
53	63	-194.4	604.1	104.3	0.00	-0.14	0.64
	40	130.3	-337.0	-104.3	-0.00	0.00	-0.00
54	63	-139.1	595.1	57.1	0.00	-0.08	0.63
	40	75.0	-328.0	-57.1	-0.00	0.00	0.00
55	63	-57.6	580.3	-31.9	0.00	0.04	0.61
	40	-6.5	-313.2	31.9	-0.00	0.00	0.00
56	63	-43.0	576.5	-60.9	0.00	0.08	0.60
	40	-21.1	-309.4	60.9	-0.00	0.00	0.00
57	63	-145.6	591.4	7.6	-0.00	-0.01	0.62
	40	81.5	-324.3	-7.6	0.00	-0.00	-0.00
58	63	-90.4	582.5	-39.7	-0.00	0.05	0.61
	40	26.3	-315.3	39.7	0.00	-0.00	-0.00
1	186	-102.8	560.2	32.9	-0.04	-0.05	0.05
	156	2.2	-140.8	-32.9	0.04	-0.00	0.52
2	186	-208.9	1521.1	54.9	-0.12	-0.09	0.20
	156	108.3	-1101.8	-54.9	0.12	-0.00	1.96
3	186	-1543.7	2069.7	195.0	-0.16	-0.30	0.31
	156	1443.0	-1650.4	-195.0	0.16	-0.02	2.75
4	186	-1320.3	1579.1	198.5	-0.12	-0.31	0.24
	156	1219.6	-1159.8	-198.5	0.12	-0.02	2.01
5	186	-1169.5	1179.7	230.7	-0.09	-0.36	0.17
	156	1068.8	-760.4	-230.7	0.09	-0.02	1.43
6	186	-1351.7	1555.0	228.3	-0.12	-0.35	0.22
	156	1251.0	-1135.7	-228.3	0.12	-0.03	1.99
7	186	720.8	1989.3	-126.4	-0.17	0.19	0.25
	156	-821.5	-1569.9	126.4	0.17	0.02	2.68
8	186	944.2	1498.6	-123.0	-0.12	0.18	0.18
	156	-1044.8	-1079.3	123.0	0.12	0.03	1.94
9	186	1095.0	1099.2	-90.8	-0.09	0.13	0.11
	156	-1195.7	-679.9	90.8	0.09	0.02	1.36
10	186	912.8	1474.5	-93.1	-0.12	0.13	0.16
	156	-1013.4	-1055.2	93.1	0.12	0.02	1.92
11	186	-1625.6	1928.2	170.4	-0.15	-0.25	0.29
	156	1525.0	-1508.8	-170.4	0.15	-0.03	2.54
12	186	638.9	1847.7	-151.1	-0.15	0.23	0.23
	156	-739.5	-1428.4	151.1	0.15	0.02	2.46
13	186	-1253.3	1110.4	176.1	-0.08	-0.27	0.17
	156	1152.7	-691.1	-176.1	0.08	-0.02	1.31
14	186	1011.2	1030.0	-145.3	-0.08	0.21	0.11
	156	-1111.8	-610.7	145.3	0.08	0.03	1.24
15	186	-1001.9	444.8	229.7	-0.02	-0.35	0.06
	156	901.3	-25.5	-229.7	0.02	-0.02	0.33
16	186	1262.5	364.3	-91.7	-0.03	0.13	-0.00
	156	-1363.2	55.0	91.7	0.03	0.02	0.26
17	186	-1305.6	1070.3	225.9	-0.08	-0.34	0.15
	156	1205.0	-650.9	-225.9	0.08	-0.03	1.27
18	186	958.8	989.8	-95.6	-0.08	0.14	0.09
	156	-1059.5	-570.5	95.6	0.08	0.02	1.20
19	186	-2245.4	1616.1	291.2	-0.12	-0.44	0.26
	156	2144.8	-1196.7	-291.2	0.12	-0.04	2.06

	186	1528.7	1482.0	-244.6	-0.13	0.37	0.16
	156	-1629.3	-1062.6	244.6	0.13	0.04	1.94
21	186	-2022.0	1125.4	294.7	-0.08	-0.45	0.19
	156	1921.4	-706.1	-294.7	0.08	-0.04	1.32
22	186	1752.1	991.3	-241.1	-0.08	0.36	0.09
	156	-1852.7	-572.0	241.1	0.08	0.04	1.20
23	186	-1871.2	726.1	326.8	-0.04	-0.50	0.12
	156	1770.6	-306.7	-326.8	0.04	-0.04	0.73
24	186	1902.9	591.9	-208.9	-0.05	0.31	0.01
	156	-2003.5	-172.6	208.9	0.05	0.04	0.61
25	186	-2053.5	1101.3	324.5	-0.08	-0.49	0.17
	156	1952.8	-682.0	-324.5	0.08	-0.04	1.30
26	186	1720.7	967.2	-211.3	-0.08	0.31	0.07
	156	-1821.3	-547.9	211.3	0.08	0.03	1.18
27	186	10.8	970.9	-35.1	-0.08	-0.30	0.10
	156	-88.2	-648.4	35.1	0.08	0.01	1.23
28	186	135.2	987.2	-131.9	-0.08	-0.18	0.12
	156	-212.6	-664.6	131.9	0.08	0.05	1.24
29	186	-288.2	1003.2	163.5	-0.08	-0.32	0.11
	156	210.8	-680.6	-163.5	0.08	-0.06	1.28
30	186	-212.7	1074.3	75.6	-0.08	-0.01	0.14
	156	135.2	-751.7	-75.6	0.08	-0.01	1.36
31	186	-428.7	1117.4	209.6	-0.09	0.05	0.15
	156	351.3	-794.9	-209.6	0.09	-0.05	1.42
32	186	-304.2	1133.7	112.8	-0.09	0.17	0.17
	156	226.8	-811.2	-112.8	0.09	-0.01	1.44
33	186	126.6	1057.5	-159.2	-0.09	0.09	0.15
	156	-204.0	-734.9	159.2	0.09	0.07	1.33
34	186	-5.2	1101.4	-85.8	-0.09	0.19	0.16
	156	-72.2	-778.9	85.8	0.09	0.06	1.39
35	186	-111.4	732.0	31.5	-0.05	-0.05	0.09
	156	34.0	-409.4	-31.5	0.05	-0.00	0.85
36	186	-211.0	750.6	10.5	-0.06	-0.01	0.09
	156	133.6	-428.0	-10.5	0.06	-0.00	0.88
37	186	-62.1	423.5	12.8	-0.03	-0.02	0.04
	156	-15.3	-100.9	-12.8	0.03	-0.00	0.39
38	186	38.5	157.2	34.3	-0.00	-0.05	-0.00
	156	-115.9	165.3	-34.3	0.00	-0.00	-0.00
39	186	-83.0	407.4	32.7	-0.03	-0.05	0.03
	156	5.6	-84.9	-32.7	0.03	-0.00	0.37
40	186	-830.8	438.5	131.4	-0.03	-0.20	0.06
	156	753.4	-115.9	-131.4	0.03	-0.02	0.40
41	186	678.8	384.9	-82.9	-0.03	0.12	0.02
	156	-756.2	-62.3	82.9	0.03	0.01	0.35
42	186	-146.7	1052.3	38.8	-0.08	-0.06	0.13
	156	69.3	-729.8	-38.8	0.08	-0.00	1.33
43	186	14.8	971.8	-34.3	-0.08	0.05	0.10
	156	-92.2	-649.3	34.3	0.08	0.01	1.23
44	186	145.4	988.2	-135.7	-0.08	0.18	0.12
	156	-222.8	-665.7	135.7	0.08	0.05	1.24
45	186	-296.2	1003.3	170.7	-0.08	-0.22	0.10
	156	218.8	-680.7	-170.7	0.08	-0.06	1.28
46	186	-432.3	1046.7	245.0	-0.08	-0.33	0.12
	156	354.9	-724.1	-245.0	0.08	-0.08	1.33
47	186	-438.8	1116.4	213.4	-0.09	-0.30	0.15
	156	361.4	-793.8	-213.4	0.09	-0.05	1.42

	186	-308.3	1132.8	112.0	-0.09	-0.18	0.17
	156	230.9	-810.2	-112.0	0.09	-0.01	1.44
49	186	138.9	1058.0	-167.3	-0.09	0.20	0.15
	156	-216.3	-735.4	167.3	0.09	0.08	1.33
50	186	2.8	1101.4	-93.0	-0.09	0.09	0.17
	156	-80.2	-778.8	93.0	0.09	0.06	1.39
51	186	54.7	346.0	-34.9	-0.02	0.05	0.01
	156	-132.1	-23.4	34.9	0.02	0.01	0.29
52	186	159.0	359.4	-116.0	-0.02	0.16	0.02
	156	-236.4	-36.8	116.0	0.02	0.04	0.30
53	186	-195.0	371.7	129.6	-0.02	-0.16	0.01
	156	117.6	-49.1	-129.6	0.02	-0.05	0.33
54	186	-304.7	407.1	189.4	-0.02	-0.25	0.02
	156	227.3	-84.5	-189.4	0.02	-0.07	0.38
55	186	-311.0	464.0	164.5	-0.03	-0.23	0.05
	156	233.6	-141.4	-164.5	0.03	-0.04	0.45
56	186	-206.7	477.4	83.3	-0.03	-0.13	0.06
	156	129.3	-154.8	-83.3	0.03	-0.01	0.46
57	186	152.7	416.3	-140.9	-0.03	0.17	0.05
	156	-230.1	-93.7	140.9	0.03	0.06	0.37
58	186	43.0	451.7	-81.1	-0.03	0.09	0.06
	156	-120.4	-129.1	81.1	0.03	0.05	0.42
1	156	215.0	-764.0	27.5	-0.04	0.00	-0.53
	126	-315.6	1183.4	-27.5	0.04	-0.05	-1.07
2	156	896.5	-3084.9	58.5	-0.12	0.00	-1.97
	126	-997.2	3504.2	-58.5	0.12	-0.10	-3.45
3	156	-438.2	-4202.3	101.2	-0.16	0.02	-2.76
	126	337.6	4621.6	-101.2	0.16	-0.19	-4.50
4	156	-214.8	-3026.9	115.4	-0.12	0.02	-2.02
	126	114.2	3446.2	-115.4	0.12	-0.21	-3.30
5	156	-64.0	-2176.8	144.8	-0.09	0.02	-1.43
	126	-36.6	2596.1	-144.8	0.09	-0.26	-2.49
6	156	-246.2	-3051.0	134.2	-0.12	0.03	-2.00
	126	145.6	3470.3	-134.2	0.12	-0.25	-3.37
7	156	1826.3	-4282.7	-34.2	-0.17	-0.02	-2.69
	126	-1926.9	4702.0	34.2	0.17	0.08	-4.70
8	156	2049.6	-3107.4	-20.0	-0.12	-0.03	-1.95
	126	-2150.3	3526.7	20.0	0.12	0.06	-3.51
9	156	2200.5	-2257.2	9.4	-0.09	-0.02	-1.36
	126	-2301.1	2676.6	-9.4	0.09	0.01	-2.70
10	156	2018.2	-3131.5	-1.1	-0.12	-0.02	-1.93
	126	-2118.9	3550.8	1.1	0.12	0.02	-3.57
11	156	-914.0	-3813.6	69.1	-0.15	0.03	-2.55
	126	813.3	4232.9	-69.1	0.15	-0.14	-4.07
12	156	1350.5	-3894.1	-66.3	-0.15	-0.02	-2.48
	126	-1451.1	4313.4	66.3	0.15	0.13	-4.28
13	156	-541.7	-1854.6	92.7	-0.08	0.02	-1.32
	126	441.0	2274.0	-92.7	0.08	-0.17	-2.08
14	156	1722.8	-1935.1	-42.6	-0.08	-0.03	-1.24
	126	-1823.4	2354.4	42.6	0.08	0.10	-2.29
15	156	-290.3	-437.8	141.7	-0.02	0.02	-0.33
	126	189.7	857.1	-141.7	0.02	-0.26	-0.73
16	156	1974.2	-518.2	6.3	-0.03	-0.02	-0.26
	126	-2074.8	937.6	-6.3	0.03	0.01	-0.94
17	156	-594.0	-1894.8	124.1	-0.08	0.03	-1.27

	126	493.4	2314.1	-124.1	0.08	-0.23	-2.19
18	156	1670.5	-1975.3	-11.3	-0.08	-0.02	-1.20
	126	-1771.1	2394.6	11.3	0.08	0.04	-2.39
19	156	-1533.8	-3015.0	130.8	-0.12	0.04	-2.07
	126	1433.2	3434.3	-130.8	0.12	-0.26	-3.24
20	156	2240.3	-3149.1	-94.8	-0.13	-0.04	-1.95
	126	-2341.0	3568.5	94.8	0.13	0.19	-3.58
21	156	-1310.4	-1839.6	145.0	-0.08	0.04	-1.33
	126	1209.8	2259.0	-145.0	0.08	-0.28	-2.05
22	156	2463.7	-1973.8	-80.6	-0.08	-0.04	-1.21
	126	-2564.3	2393.1	80.6	0.08	0.17	-2.39
23	156	-1159.6	-989.5	174.4	-0.04	0.04	-0.74
	126	1059.0	1408.9	-174.4	0.04	-0.33	-1.24
24	156	2614.5	-1123.6	-51.2	-0.05	-0.04	-0.62
	126	-2715.2	1543.0	51.2	0.05	0.12	-1.58
25	156	-1341.8	-1863.7	163.8	-0.08	0.04	-1.30
	126	1241.2	2283.1	-163.8	0.08	-0.31	-2.11
26	156	2432.3	-1997.9	-61.7	-0.08	-0.03	-1.18
	126	-2532.9	2417.2	61.7	0.08	0.14	-2.45
27	156	966.4	-2068.1	131.9	-0.08	-0.01	-1.23
	126	-1043.8	2390.7	-131.9	0.08	-0.24	-2.46
28	156	1091.1	-2049.1	108.1	-0.08	-0.05	-1.25
	126	-1168.5	2371.6	-108.1	0.08	-0.18	-2.42
29	156	523.8	-2103.4	104.2	-0.08	0.06	-1.28
	126	-601.2	2425.9	-104.2	0.08	-0.20	-2.44
30	156	477.0	-2082.8	17.0	-0.08	0.01	-1.37
	126	-554.4	2405.4	-17.0	0.08	-0.02	-2.32
31	156	117.6	-2105.4	-26.5	-0.09	0.05	-1.43
	126	-195.0	2428.0	26.5	0.09	0.05	-2.27
32	156	242.3	-2086.4	-50.3	-0.09	0.01	-1.44
	126	-319.7	2408.9	50.3	0.09	0.10	-2.23
33	156	939.5	-2039.9	24.9	-0.09	-0.07	-1.33
	126	-1016.9	2362.5	-24.9	0.09	-0.02	-2.31
34	156	684.9	-2051.1	-22.7	-0.09	-0.06	-1.39
	126	-762.3	2373.6	22.7	0.09	0.07	-2.25
35	156	377.2	-1303.6	30.4	-0.05	0.00	-0.86
	126	-454.6	1626.2	-30.4	0.05	-0.05	-1.55
36	156	15.0	-1301.8	3.5	-0.06	0.00	-0.88
	126	-92.4	1624.3	-3.5	0.06	-0.01	-1.53
37	156	163.9	-518.2	12.9	-0.03	0.00	-0.39
	126	-241.3	840.7	-12.9	0.03	-0.02	-0.73
38	156	264.5	48.6	32.5	-0.00	0.00	0.00
	126	-341.9	274.0	-32.5	0.00	-0.06	-0.19
39	156	143.0	-534.2	25.5	-0.03	0.00	-0.37
	126	-220.4	856.8	-25.5	0.03	-0.05	-0.77
40	156	-604.8	-503.2	65.2	-0.03	0.02	-0.40
	126	527.4	825.7	-65.2	0.03	-0.13	-0.69
41	156	904.8	-556.8	-25.0	-0.03	-0.01	-0.35
	126	-982.2	879.4	25.0	0.03	0.05	-0.83
42	156	604.4	-2077.2	40.8	-0.08	0.00	-1.34
	126	-681.8	2399.8	-40.8	0.08	-0.07	-2.35
43	156	965.6	-2069.1	127.1	-0.08	-0.01	-1.23
	126	-1043.0	2391.6	-127.1	0.08	-0.23	-2.46
44	156	1094.4	-2049.3	105.4	-0.08	-0.05	-1.25
	126	-1171.8	2371.9	-105.4	0.08	-0.18	-2.42
45	156	517.4	-2104.7	99.5	-0.08	0.06	-1.28

	126	-594.8	2427.2	-99.5	0.08	-0.20	-2.44
46	156	262.0	-2115.5	54.2	-0.08	0.08	-1.34
	126	-339.4	2438.0	-54.2	0.08	-0.12	-2.38
47	156	114.3	-2105.1	-23.9	-0.09	0.05	-1.43
	126	-191.7	2427.7	23.9	0.09	0.04	-2.27
48	156	243.1	-2085.4	-45.5	-0.09	0.01	-1.44
	126	-320.5	2408.0	45.5	0.09	0.10	-2.23
49	156	946.7	-2039.0	27.3	-0.09	-0.08	-1.33
	126	-1024.1	2361.5	-27.3	0.09	-0.02	-2.31
50	156	691.3	-2049.8	-18.0	-0.09	-0.06	-1.39
	126	-768.7	2372.4	18.0	0.09	0.07	-2.25
51	156	444.0	-523.2	90.4	-0.02	-0.01	-0.29
	126	-521.4	845.8	-90.4	0.02	-0.17	-0.86
52	156	546.9	-507.3	72.8	-0.02	-0.04	-0.30
	126	-624.3	829.9	-72.8	0.02	-0.13	-0.82
53	156	82.1	-552.1	67.9	-0.02	0.05	-0.33
	126	-159.5	874.7	-67.9	0.02	-0.14	-0.84
54	156	-125.1	-560.9	31.0	-0.02	0.07	-0.38
	126	47.7	883.5	-31.0	0.02	-0.08	-0.79
55	156	-246.9	-552.7	-32.5	-0.03	0.04	-0.45
	126	169.4	875.2	32.5	0.03	0.06	-0.70
56	156	-144.0	-536.8	-50.2	-0.03	0.01	-0.46
	126	66.5	859.3	50.2	0.03	0.10	-0.67
57	156	425.1	-499.1	9.2	-0.03	-0.06	-0.37
	126	-502.5	821.6	-9.2	0.03	0.00	-0.73
58	156	217.9	-507.9	-27.7	-0.03	-0.05	-0.42
	126	-295.3	830.5	27.7	0.03	0.07	-0.68
1	126	-215.8	1212.6	10.6	-0.00	-0.03	1.15
	87	75.8	-629.5	-10.6	0.00	0.01	0.96
2	126	-624.1	3526.7	23.7	-0.00	-0.06	3.78
	87	484.1	-2943.6	-23.7	0.00	0.01	3.63
3	126	-7238.4	4762.6	65.4	-0.00	-0.13	5.28
	87	7098.4	-4179.5	-65.4	0.00	-0.02	4.95
4	126	-6939.9	3573.5	70.2	-0.00	-0.15	3.92
	87	6799.9	-2990.4	-70.2	0.00	-0.01	3.59
5	126	-7045.6	2591.1	85.8	-0.00	-0.18	2.73
	87	6905.6	-2008.0	-85.8	0.00	-0.02	2.53
6	126	-7245.5	3510.5	81.6	-0.00	-0.16	3.80
	87	7105.5	-2927.4	-81.6	0.00	-0.02	3.56
7	126	5797.6	4767.7	-41.4	-0.01	0.06	5.17
	87	-5937.5	-4184.6	41.4	0.01	0.04	5.07
8	126	6096.1	3578.6	-36.6	-0.01	0.04	3.81
	87	-6236.0	-2995.5	36.6	0.01	0.04	3.71
9	126	5990.4	2596.2	-21.0	-0.00	0.01	2.63
	87	-6130.3	-2013.1	21.0	0.00	0.04	2.65
10	126	5790.5	3515.7	-25.2	-0.01	0.02	3.70
	87	-5930.4	-2932.5	25.2	0.01	0.04	3.68
11	126	-7098.4	4431.2	51.0	-0.00	-0.10	4.93
	87	6958.5	-3848.1	-51.0	0.00	-0.02	4.54
12	126	5937.5	4436.3	-55.8	-0.01	0.09	4.83
	87	-6077.5	-3853.2	55.8	0.01	0.04	4.66
13	126	-6600.9	2449.4	59.1	-0.00	-0.12	2.67
	87	6461.0	-1866.2	-59.1	0.00	-0.01	2.27
14	126	6435.0	2454.5	-47.7	-0.00	0.06	2.56
	87	-6575.0	-1871.4	47.7	0.00	0.04	2.39

	126	-6777.1	812.0	85.1	0.00	-0.17	0.69
	87	6637.2	-228.8	-85.1	-0.00	-0.02	0.50
16	126	6258.8	817.1	-21.7	-0.00	0.01	0.58
	87	-6398.8	-234.0	21.7	0.00	0.04	0.62
17	126	-7110.3	2344.4	78.1	-0.00	-0.15	2.48
	87	6970.3	-1761.3	-78.1	0.00	-0.03	2.22
18	126	5925.7	2349.5	-28.7	-0.00	0.03	2.37
	87	-6065.7	-1766.4	28.7	0.00	0.03	2.34
19	126	-11379.5	3603.9	94.4	-0.00	-0.18	4.00
	87	11239.6	-3020.7	-94.4	0.00	-0.04	3.58
20	126	10347.1	3612.4	-83.6	-0.01	0.13	3.83
	87	-10487.0	-3029.3	83.6	0.01	0.06	3.77
21	126	-11081.0	2414.8	99.3	0.00	-0.19	2.64
	87	10941.1	-1831.6	-99.3	-0.00	-0.04	2.22
22	126	10645.6	2423.3	-78.7	-0.01	0.12	2.47
	87	-10785.5	-1840.2	78.7	0.01	0.06	2.41
23	126	-11186.8	1432.3	114.9	0.00	-0.22	1.46
	87	11046.8	-849.2	-114.9	-0.00	-0.04	1.15
24	126	10539.8	1440.8	-63.1	-0.00	0.09	1.28
	87	-10679.8	-857.7	63.1	0.00	0.06	1.35
25	126	-11386.6	2351.8	110.7	0.00	-0.21	2.53
	87	11246.7	-1768.7	-110.7	-0.00	-0.04	2.19
26	126	10340.0	2360.3	-67.3	-0.01	0.10	2.35
	87	-10479.9	-1777.2	67.3	0.01	0.05	2.38
27	126	-17.4	2240.8	66.9	-0.00	-0.11	2.28
	87	-90.3	-1792.3	-66.9	0.00	0.02	2.34
28	126	583.1	2211.2	48.6	-0.00	-0.16	2.23
	87	-690.8	-1762.6	-48.6	0.00	0.06	2.32
29	126	-1209.7	2410.0	59.3	-0.00	0.00	2.56
	87	1102.1	-1961.5	-59.3	0.00	-0.05	2.45
30	126	-630.5	2475.9	4.0	-0.00	-0.02	2.66
	87	522.8	-2027.4	-4.0	0.00	-0.00	2.49
31	126	-1422.5	2625.3	-15.8	-0.00	0.07	2.91
	87	1314.8	-2176.8	15.8	0.00	-0.04	2.59
32	126	-822.0	2595.6	-34.1	-0.00	0.02	2.86
	87	714.4	-2147.1	34.1	0.00	-0.00	2.57
33	126	791.8	2311.1	-1.7	-0.00	-0.14	2.39
	87	-899.5	-1862.5	1.7	0.00	0.08	2.39
34	126	370.3	2426.4	-26.5	-0.00	-0.09	2.58
	87	-478.0	-1977.9	26.5	0.00	0.07	2.46
35	126	-283.6	1646.9	12.0	-0.00	-0.03	1.69
	87	175.9	-1198.3	-12.0	0.00	0.01	1.56
36	126	-211.7	1701.1	-0.1	-0.00	-0.00	1.78
	87	104.1	-1252.6	0.1	0.00	0.00	1.60
37	126	-12.7	908.4	3.1	-0.00	-0.01	0.88
	87	-95.0	-459.9	-3.1	0.00	0.01	0.69
38	126	-83.2	253.5	13.5	0.00	-0.04	0.09
	87	-24.5	195.1	-13.5	-0.00	0.00	-0.02
39	126	-216.4	866.4	10.7	-0.00	-0.03	0.80
	87	108.8	-417.9	-10.7	0.00	0.00	0.67
40	126	-4492.8	873.8	43.3	0.00	-0.08	0.85
	87	4385.2	-425.3	-43.3	-0.00	-0.01	0.63
41	126	4197.8	877.2	-27.9	-0.00	0.04	0.78
	87	-4305.5	-428.7	27.9	0.00	0.02	0.71
42	126	-419.7	2418.2	16.4	-0.00	-0.04	2.57
	87	312.0	-1969.7	-16.4	0.00	0.01	2.45

	126	-0.8	2244.1	64.2	-0.00	-0.11	2.23
	87	-106.8	-1795.5	-64.2	0.00	0.02	2.34
44	126	627.1	2215.1	47.1	-0.00	-0.15	2.28
	87	-734.8	-1766.5	-47.1	0.00	0.06	2.32
45	126	-1246.4	2410.0	56.7	-0.00	-0.00	2.39
	87	1138.8	-1961.4	-56.7	0.00	-0.05	2.45
46	126	-1686.1	2523.2	33.1	-0.00	0.05	2.58
	87	1578.5	-2074.6	-33.1	0.00	-0.07	2.52
47	126	-1466.5	2621.4	-14.2	-0.00	0.06	2.85
	87	1358.9	-2172.8	14.2	0.00	-0.04	2.59
48	126	-838.6	2592.4	-31.3	-0.00	0.02	2.90
	87	730.9	-2143.8	31.3	0.00	-0.00	2.57
49	126	846.7	2313.3	-0.3	-0.00	-0.14	2.56
	87	-954.4	-1864.7	0.3	0.00	0.09	2.39
50	126	407.0	2426.5	-23.9	-0.00	-0.09	2.74
	87	-514.7	-1977.9	23.9	0.00	0.07	2.46
51	126	189.0	733.6	46.5	0.00	-0.07	0.54
	87	-296.7	-285.0	-46.5	-0.00	0.01	0.58
52	126	691.6	709.8	32.7	0.00	-0.11	0.59
	87	-799.2	-261.3	-32.7	-0.00	0.05	0.57
53	126	-808.8	868.9	40.4	-0.00	0.01	0.67
	87	701.1	-420.3	-40.4	0.00	-0.04	0.67
54	126	-1161.4	961.2	21.2	-0.00	0.05	0.82
	87	1053.8	-512.6	-21.2	0.00	-0.06	0.73
55	126	-986.6	1041.2	-17.3	-0.00	0.06	1.05
	87	878.9	-592.6	17.3	0.00	-0.04	0.78
56	126	-484.0	1017.5	-31.1	-0.00	0.03	1.09
	87	376.3	-568.9	31.1	0.00	-0.00	0.77
57	126	866.5	789.9	-5.8	0.00	-0.10	0.81
	87	-974.1	-341.3	5.8	-0.00	0.07	0.62
58	126	513.8	882.1	-25.0	-0.00	-0.06	0.96
	87	-621.5	-433.6	25.0	0.00	0.05	0.68
1	87	211.7	-568.3	21.5	-0.00	-0.01	-0.96
	63	-351.6	1151.4	-21.5	0.00	-0.04	-1.01
2	87	898.7	-2818.0	40.6	-0.00	-0.01	-3.63
	63	-1038.6	3401.1	-40.6	0.00	-0.08	-3.49
3	87	-5715.7	-3898.9	-6.4	-0.00	0.02	-4.95
	63	5575.7	4482.0	6.4	0.00	-0.01	-4.64
4	87	-5417.1	-2771.2	7.4	-0.00	0.01	-3.59
	63	5277.2	3354.3	-7.4	0.00	-0.03	-3.42
5	87	-5522.9	-2016.0	14.1	-0.00	0.02	-2.53
	63	5382.9	2599.2	-14.1	0.00	-0.05	-2.75
6	87	-5722.7	-2834.2	3.4	-0.00	0.02	-3.56
	63	5582.8	3417.3	-3.4	0.00	-0.03	-3.59
7	87	7320.3	-3893.8	64.4	-0.01	-0.04	-5.07
	63	-7460.3	4476.9	-64.4	0.01	-0.11	-4.51
8	87	7618.8	-2766.1	78.1	-0.01	-0.04	-3.71
	63	-7758.8	3349.2	-78.1	0.01	-0.14	-3.29
9	87	7513.1	-2010.9	84.9	-0.00	-0.04	-2.65
	63	-7653.0	2594.1	-84.9	0.00	-0.16	-2.62
10	87	7313.2	-2829.1	74.1	-0.01	-0.04	-3.68
	63	-7453.2	3412.2	-74.1	0.01	-0.13	-3.46
11	87	-6123.4	-3493.0	-23.7	-0.00	0.02	-4.54
	63	5983.4	4076.1	23.7	0.00	0.03	-4.12
12	87	6912.6	-3487.8	47.0	-0.01	-0.04	-4.66

	63	-7052.6	4071.0	-47.0	0.01	-0.07	-3.99
13	87	-5625.8	-1613.5	-0.8	-0.00	0.01	-2.27
	63	5485.9	2196.6	0.8	0.00	-0.01	-2.09
14	87	7410.1	-1608.3	70.0	-0.00	-0.04	-2.39
	63	-7550.1	2191.5	-70.0	0.00	-0.12	-1.96
15	87	-5802.1	-354.9	10.5	0.00	0.02	-0.50
	63	5662.1	938.0	-10.5	-0.00	-0.05	-0.98
16	87	7233.9	-349.8	81.2	-0.00	-0.04	-0.62
	63	-7373.9	932.9	-81.2	0.00	-0.15	-0.85
17	87	-6135.2	-1718.4	-7.5	-0.00	0.03	-2.22
	63	5995.2	2301.6	7.5	0.00	-0.01	-2.38
18	87	6900.8	-1713.3	63.2	-0.00	-0.03	-2.34
	63	-7040.7	2296.4	-63.2	0.00	-0.11	-2.25
19	87	-10404.5	-2775.8	-39.5	-0.00	0.04	-3.58
	63	10264.5	3358.9	39.5	0.00	0.05	-3.44
20	87	11322.1	-2767.2	78.4	-0.01	-0.06	-3.77
	63	-11462.1	3350.4	-78.4	0.01	-0.12	-3.22
21	87	-10106.0	-1648.1	-25.8	0.00	0.04	-2.22
	63	9966.0	2231.2	25.8	-0.00	0.02	-2.22
22	87	11620.6	-1639.5	92.1	-0.01	-0.06	-2.41
	63	-11760.6	2222.7	-92.1	0.01	-0.15	-2.00
23	87	-10211.7	-892.9	-19.0	0.00	0.04	-1.15
	63	10071.7	1476.0	19.0	-0.00	0.00	-1.56
24	87	11514.9	-884.4	98.9	-0.00	-0.06	-1.35
	63	-11654.9	1467.5	-98.9	0.00	-0.17	-1.34
25	87	-10411.6	-1711.0	-29.8	0.00	0.04	-2.18
	63	10271.6	2294.2	29.8	-0.00	0.02	-2.40
26	87	11315.0	-1702.5	88.1	-0.01	-0.05	-2.38
	63	-11455.0	2285.7	-88.1	0.01	-0.15	-2.18
27	87	1171.1	-1991.3	51.4	-0.00	-0.02	-2.34
	63	-1278.8	2439.8	-51.4	0.00	-0.11	-2.75
28	87	1763.1	-1971.0	116.9	-0.00	-0.06	-2.32
	63	-1870.7	2419.5	-116.9	0.00	-0.22	-2.69
29	87	-116.9	-1949.3	-63.7	-0.00	0.05	-2.45
	63	9.2	2397.8	63.7	0.00	0.09	-2.58
30	87	357.6	-1859.1	12.3	-0.00	0.00	-2.49
	63	-465.2	2307.6	-12.3	0.00	-0.03	-2.28
31	87	-535.8	-1803.5	-59.2	-0.00	0.04	-2.59
	63	428.2	2252.1	59.2	0.00	0.10	-2.07
32	87	56.1	-1783.2	6.4	-0.00	0.00	-2.57
	63	-163.8	2231.8	-6.4	0.00	-0.01	-2.01
33	87	1856.2	-1881.6	154.7	-0.00	-0.08	-2.38
	63	-1963.9	2330.1	-154.7	0.00	-0.28	-2.38
34	87	1344.1	-1825.2	121.5	-0.00	-0.07	-2.46
	63	-1451.8	2273.8	-121.5	0.00	-0.21	-2.18
35	87	384.6	-1137.4	22.5	-0.00	-0.01	-1.56
	63	-492.3	1585.9	-22.5	0.00	-0.05	-1.55
36	87	91.4	-1106.4	8.4	-0.00	-0.00	-1.60
	63	-199.1	1554.9	-8.4	0.00	-0.01	-1.45
37	87	290.4	-354.6	17.5	-0.00	-0.01	-0.69
	63	-398.1	803.1	-17.5	0.00	-0.03	-0.64
38	87	219.9	148.9	22.0	0.00	-0.00	0.02
	63	-327.6	299.7	-22.0	-0.00	-0.05	-0.19
39	87	86.7	-396.6	14.8	-0.00	-0.00	-0.67
	63	-194.3	845.1	-14.8	0.00	-0.03	-0.75
40	87	-4189.7	-389.2	-7.5	0.00	0.01	-0.63

	63	4082.0	837.7	7.5	-0.00	0.00	-0.77
41	87	4500.9	-385.8	39.7	-0.00	-0.02	-0.71
	63	-4608.6	834.3	-39.7	0.00	-0.07	-0.68
42	87	613.6	-1887.3	28.9	-0.00	-0.01	-2.45
	63	-721.3	2335.8	-28.9	0.00	-0.06	-2.38
43	87	1191.5	-1990.2	49.9	-0.00	-0.02	-2.34
	63	-1299.1	2438.8	-49.9	0.00	-0.11	-2.74
44	87	1808.9	-1969.8	118.3	-0.00	-0.06	-2.32
	63	-1916.5	2418.4	-118.3	0.00	-0.22	-2.68
45	87	-149.4	-1949.1	-68.5	-0.00	0.05	-2.45
	63	41.8	2397.6	68.5	0.00	0.10	-2.58
46	87	-681.4	-1893.4	-101.6	-0.00	0.07	-2.52
	63	573.7	2342.0	101.6	0.00	0.17	-2.38
47	87	-581.6	-1804.7	-60.5	-0.00	0.04	-2.59
	63	474.0	2253.2	60.5	0.00	0.10	-2.07
48	87	35.8	-1784.3	7.9	-0.00	0.00	-2.57
	63	-143.4	2232.8	-7.9	0.00	-0.01	-2.02
49	87	1908.6	-1881.1	159.4	-0.00	-0.09	-2.39
	63	-2016.3	2329.6	-159.4	0.00	-0.28	-2.38
50	87	1376.7	-1825.4	126.3	-0.00	-0.07	-2.46
	63	-1484.3	2274.0	-126.3	0.00	-0.22	-2.18
51	87	621.9	-471.5	33.0	0.00	-0.01	-0.58
	63	-729.6	920.1	-33.0	-0.00	-0.07	-1.02
52	87	1115.8	-454.8	88.0	0.00	-0.05	-0.57
	63	-1223.4	903.4	-88.0	-0.00	-0.16	-0.97
53	87	-453.5	-437.9	-62.2	-0.00	0.04	-0.67
	63	345.9	886.5	62.2	0.00	0.10	-0.89
54	87	-881.5	-392.5	-88.8	-0.00	0.06	-0.73
	63	773.8	841.1	88.8	0.00	0.15	-0.73
55	87	-804.5	-320.1	-55.8	-0.00	0.04	-0.78
	63	696.9	768.7	55.8	0.00	0.10	-0.48
56	87	-310.6	-303.5	-0.8	-0.00	0.00	-0.77
	63	203.0	752.0	0.8	0.00	0.01	-0.43
57	87	1192.7	-382.4	121.0	0.00	-0.07	-0.62
	63	-1300.4	831.0	-121.0	-0.00	-0.21	-0.73
58	87	764.8	-337.0	94.4	-0.00	-0.05	-0.68
	63	-872.5	785.6	-94.4	0.00	-0.16	-0.56
1	68	-195.1	812.8	-1.0	-0.00	0.00	0.87
	45	111.7	-465.5	1.0	-0.00	-0.00	-0.00
2	68	-521.3	2172.1	-2.4	-0.00	0.00	2.73
	45	438.0	-1824.9	2.4	0.00	-0.00	-0.00
3	68	-521.3	2862.2	-457.2	0.00	0.62	3.67
	45	438.0	-2514.9	457.2	-0.00	0.00	-0.00
4	68	-521.3	2172.1	-469.6	0.00	0.64	2.73
	45	438.0	-1824.9	469.6	-0.00	0.00	-0.00
5	68	-521.3	1654.6	-503.4	0.00	0.69	2.02
	45	438.0	-1307.3	503.4	-0.00	0.00	-0.00
6	68	-521.3	2172.1	-480.2	0.00	0.65	2.73
	45	438.0	-1824.9	480.2	-0.00	0.00	-0.00
7	68	-521.3	2862.2	503.4	-0.00	-0.69	3.67
	45	438.0	-2514.9	-503.4	0.00	-0.00	-0.00
8	68	-521.3	2172.1	491.0	-0.00	-0.67	2.72
	45	438.0	-1824.9	-491.0	0.00	-0.00	-0.00
9	68	-521.3	1654.6	457.2	-0.00	-0.62	2.02
	45	438.0	-1307.3	-457.2	0.00	-0.00	-0.00

	68	-521.3	2172.1	480.4	-0.00	-0.65	2.73
	45	438.0	-1824.9	-480.4	0.00	-0.00	-0.00
11	68	-358.2	2642.5	-439.5	0.00	0.60	3.37
	45	274.8	-2295.3	439.5	-0.00	0.00	-0.00
12	68	-358.2	2642.5	521.1	-0.00	-0.71	3.37
	45	274.8	-2295.3	-521.1	0.00	-0.00	-0.00
13	68	-358.2	1492.5	-460.2	0.00	0.63	1.80
	45	274.8	-1145.2	460.2	-0.00	0.00	-0.00
14	68	-358.2	1492.5	500.4	-0.00	-0.68	1.80
	45	274.8	-1145.2	-500.4	0.00	-0.00	-0.00
15	68	-358.2	629.9	-516.5	0.00	0.70	0.62
	45	274.8	-282.6	516.5	-0.00	0.00	-0.00
16	68	-358.2	629.9	444.0	-0.00	-0.61	0.62
	45	274.8	-282.6	-444.0	0.00	-0.00	-0.00
17	68	-358.2	1492.5	-477.8	0.00	0.65	1.80
	45	274.8	-1145.2	477.8	-0.00	0.00	-0.00
18	68	-358.2	1492.5	482.7	-0.00	-0.66	1.80
	45	274.8	-1145.2	-482.7	0.00	-0.00	-0.00
19	68	-358.2	2182.5	-776.7	0.00	1.06	2.74
	45	274.8	-1835.3	776.7	-0.00	0.00	-0.00
20	68	-358.2	2182.5	824.3	-0.00	-1.12	2.74
	45	274.8	-1835.3	-824.3	0.00	-0.00	-0.00
21	68	-358.2	1492.5	-789.1	0.00	1.08	1.80
	45	274.8	-1145.2	789.1	-0.00	0.00	-0.00
22	68	-358.2	1492.5	811.9	-0.00	-1.11	1.80
	45	274.8	-1145.2	-811.9	0.00	-0.00	-0.00
23	68	-358.2	974.9	-822.9	0.00	1.12	1.09
	45	274.8	-627.7	822.9	-0.00	0.00	-0.00
24	68	-358.2	974.9	778.1	-0.00	-1.06	1.09
	45	274.8	-627.7	-778.1	0.00	-0.00	-0.00
25	68	-358.2	1492.5	-799.6	0.00	1.09	1.80
	45	274.8	-1145.2	799.6	-0.00	0.00	-0.00
26	68	-358.2	1492.5	801.3	-0.00	-1.09	1.80
	45	274.8	-1145.2	-801.3	0.00	-0.00	-0.00
27	68	-486.9	1516.8	-58.1	-0.00	0.08	1.89
	45	422.8	-1249.7	58.1	0.00	-0.00	-0.00
28	68	-472.8	1521.6	-89.1	-0.00	0.12	1.89
	45	408.7	-1254.4	89.1	0.00	-0.00	-0.00
29	68	-419.5	1497.6	29.5	0.00	-0.04	1.86
	45	355.4	-1230.5	-29.5	-0.00	0.00	-0.00
30	68	-323.9	1493.7	21.8	0.00	-0.03	1.85
	45	259.8	-1226.6	-21.8	-0.00	0.00	-0.00
31	68	-247.0	1477.6	88.7	0.00	-0.12	1.83
	45	182.9	-1210.5	-88.7	-0.00	0.00	-0.00
32	68	-232.9	1482.3	57.7	0.00	-0.08	1.84
	45	168.8	-1215.2	-57.7	-0.00	0.00	-0.00
33	68	-372.3	1513.4	-73.9	-0.00	0.10	1.88
	45	308.2	-1246.2	73.9	0.00	-0.00	-0.00
34	68	-300.3	1501.6	-29.8	-0.00	0.04	1.87
	45	236.2	-1234.5	29.8	0.00	-0.00	-0.00
35	68	-251.2	1046.5	0.3	-0.00	-0.00	1.25
	45	187.0	-779.4	-0.3	0.00	-0.00	-0.00
36	68	-142.4	1053.4	17.7	0.00	-0.02	1.25
	45	78.3	-786.3	-17.7	-0.00	-0.00	-0.00
37	68	-142.4	593.4	9.5	0.00	-0.01	0.63
	45	78.3	-326.3	-9.5	-0.00	0.00	-0.00

	68	-142.4	248.3	-13.1	-0.00	0.02	0.16
	45	78.3	18.8	13.1	0.00	-0.00	-0.00
39	68	-142.4	593.4	2.4	0.00	-0.00	0.63
	45	78.3	-326.3	-2.4	-0.00	0.00	-0.00
40	68	-142.4	593.4	-319.4	0.00	0.44	0.63
	45	78.3	-326.3	319.4	-0.00	0.00	-0.00
41	68	-142.4	593.4	321.0	-0.00	-0.44	0.63
	45	78.3	-326.3	-321.0	0.00	-0.00	-0.00
42	68	-359.9	1499.6	-0.2	-0.00	0.00	1.86
	45	295.8	-1232.5	0.2	0.00	-0.00	-0.00
43	68	-479.7	1513.2	-55.0	-0.00	0.07	1.88
	45	415.6	-1246.1	55.0	0.00	-0.00	-0.00
44	68	-466.7	1517.5	-83.3	-0.00	0.11	1.89
	45	402.6	-1250.4	83.3	0.00	-0.00	-0.00
45	68	-415.7	1497.3	26.2	0.00	-0.04	1.86
	45	351.6	-1230.2	-26.2	-0.00	0.00	-0.00
46	68	-347.7	1487.8	67.6	0.00	-0.09	1.85
	45	283.6	-1220.7	-67.6	-0.00	0.00	-0.00
47	68	-253.1	1481.7	82.9	0.00	-0.11	1.84
	45	189.0	-1214.6	-82.9	-0.00	0.00	-0.00
48	68	-240.1	1485.9	54.7	0.00	-0.07	1.84
	45	175.9	-1218.8	-54.7	-0.00	0.00	-0.00
49	68	-372.1	1511.4	-67.9	-0.00	0.09	1.88
	45	308.0	-1244.2	67.9	0.00	-0.00	-0.00
50	68	-304.1	1501.9	-26.6	-0.00	0.04	1.87
	45	240.0	-1234.8	26.6	0.00	-0.00	-0.00
51	68	-240.1	604.5	-44.0	-0.00	0.06	0.64
	45	176.0	-337.4	44.0	0.00	-0.00	-0.00
52	68	-229.4	607.9	-67.0	-0.00	0.09	0.65
	45	165.3	-340.8	67.0	0.00	-0.00	-0.00
53	68	-187.9	591.5	22.2	0.00	-0.03	0.62
	45	123.8	-324.4	-22.2	-0.00	0.00	-0.00
54	68	-132.4	583.9	55.9	0.00	-0.08	0.61
	45	68.3	-316.7	-55.9	-0.00	0.00	-0.00
55	68	-55.4	578.9	68.5	0.00	-0.09	0.61
	45	-8.7	-311.7	-68.5	-0.00	0.00	0.00
56	68	-44.7	582.3	45.5	0.00	-0.06	0.61
	45	-19.4	-315.2	-45.5	-0.00	0.00	0.00
57	68	-152.4	602.9	-54.4	-0.00	0.07	0.64
	45	88.3	-335.8	54.4	0.00	-0.00	-0.00
58	68	-97.0	595.2	-20.6	-0.00	0.03	0.63
	45	32.9	-328.1	20.6	0.00	-0.00	0.00
1	191	-95.8	518.4	-5.5	0.00	0.01	-0.03
	161	-4.8	-99.1	5.5	-0.00	0.00	0.54
2	191	-189.0	1307.8	-3.1	0.01	-0.00	-0.14
	161	88.4	-888.4	3.1	-0.01	0.01	1.95
3	191	198.9	1698.6	-20.3	-0.00	-0.05	-0.22
	161	-299.6	-1279.3	20.3	0.00	0.08	2.67
4	191	368.0	1297.7	-43.6	-0.01	-0.02	-0.16
	161	-468.6	-878.3	43.6	0.01	0.09	1.95
5	191	514.6	982.4	-65.0	-0.01	0.02	-0.11
	161	-615.2	-563.1	65.0	0.01	0.09	1.39
6	191	369.2	1286.1	-37.5	-0.00	-0.02	-0.16
	161	-469.9	-866.8	37.5	0.00	0.09	1.93
7	191	-918.9	1735.3	64.3	0.02	-0.03	-0.19

	161	818.2	-1315.9	-64.3	-0.02	-0.07	2.70
8	191	-749.8	1334.4	41.0	0.02	0.00	-0.13
	161	649.2	-915.0	-41.0	-0.02	-0.07	1.98
9	191	-603.2	1019.1	19.6	0.02	0.04	-0.08
	161	502.6	-599.8	-19.6	-0.02	-0.07	1.42
10	191	-748.6	1322.8	47.1	0.02	-0.00	-0.13
	161	648.0	-903.5	-47.1	-0.02	-0.07	1.96
11	191	131.6	1576.7	-4.7	-0.00	-0.07	-0.20
	161	-232.2	-1157.4	4.7	0.00	0.08	2.45
12	191	-986.3	1613.4	79.9	0.02	-0.05	-0.17
	161	885.6	-1194.0	-79.9	-0.02	-0.08	2.48
13	191	413.3	908.5	-43.6	-0.01	-0.02	-0.10
	161	-514.0	-489.2	43.6	0.01	0.09	1.25
14	191	-704.5	945.2	41.0	0.01	0.00	-0.07
	161	603.9	-525.8	-41.0	-0.01	-0.07	1.28
15	191	657.7	383.1	-79.3	-0.01	0.04	-0.03
	161	-758.3	36.2	79.3	0.01	0.09	0.32
16	191	-460.2	419.8	5.3	0.01	0.06	0.00
	161	359.5	-0.4	-5.3	-0.01	-0.07	0.35
17	191	415.4	889.3	-33.5	-0.01	-0.03	-0.11
	161	-516.0	-469.9	33.5	0.01	0.08	1.22
18	191	-702.5	925.9	51.1	0.02	-0.01	-0.07
	161	601.8	-506.6	-51.1	-0.02	-0.08	1.25
19	191	618.2	1291.7	-49.7	-0.01	-0.05	-0.17
	161	-718.8	-872.4	49.7	0.01	0.14	1.95
20	191	-1244.9	1352.8	91.3	0.02	-0.02	-0.12
	161	1144.3	-933.5	-91.3	-0.02	-0.13	2.00
21	191	787.2	890.8	-73.0	-0.02	-0.02	-0.11
	161	-887.9	-471.4	73.0	0.02	0.14	1.23
22	191	-1075.8	951.9	68.0	0.02	0.01	-0.06
	161	975.2	-532.6	-68.0	-0.02	-0.12	1.29
23	191	933.8	575.5	-94.4	-0.02	0.02	-0.07
	161	-1034.5	-156.2	94.4	0.02	0.14	0.67
24	191	-929.2	636.7	46.5	0.02	0.05	-0.02
	161	828.6	-217.3	-46.5	-0.02	-0.12	0.72
25	191	788.4	879.2	-66.9	-0.01	-0.03	-0.11
	161	-889.1	-459.9	66.9	0.01	0.14	1.22
26	191	-1074.6	940.4	74.1	0.02	0.01	-0.06
	161	974.0	-521.0	-74.1	-0.02	-0.13	1.27
27	191	-49.9	857.7	-58.8	0.01	0.09	-0.09
	161	-27.5	-535.1	58.8	-0.01	0.01	1.24
28	191	-38.8	869.5	-137.0	0.01	0.18	-0.09
	161	-38.6	-547.0	137.0	-0.01	0.05	1.26
29	191	-125.5	875.2	99.5	0.01	-0.12	-0.10
	161	48.1	-552.6	-99.5	-0.01	-0.04	1.28
30	191	-160.9	921.8	26.8	0.00	-0.04	-0.10
	161	83.5	-599.2	-26.8	-0.00	-0.00	1.35
31	191	-229.2	947.2	133.1	0.00	-0.19	-0.10
	161	151.8	-624.6	-133.1	-0.00	-0.04	1.40
32	191	-218.2	959.0	54.9	-0.00	-0.09	-0.10
	161	140.7	-636.4	-54.9	0.00	-0.00	1.41
33	191	-88.7	914.6	-161.0	-0.00	0.20	-0.09
	161	11.3	-592.1	161.0	0.00	0.07	1.33
34	191	-142.5	941.5	-103.5	-0.00	0.11	-0.09
	161	65.1	-618.9	103.5	0.00	0.06	1.38
35	191	-102.9	645.2	-2.8	0.00	0.00	-0.06

	161	25.5	-322.7	2.8	-0.00	0.00	0.86
36	191	-185.8	654.9	13.2	0.00	-0.02	-0.06
	161	108.4	-332.3	-13.2	-0.00	0.00	0.87
37	191	-73.1	387.6	-2.3	0.00	-0.00	-0.02
	161	-4.3	-65.0	2.3	-0.00	0.01	0.40
38	191	24.6	177.4	-16.6	0.00	0.02	0.01
	161	-102.0	145.1	16.6	-0.00	0.00	0.02
39	191	-72.3	379.9	1.7	0.00	-0.00	-0.02
	161	-5.1	-57.4	-1.7	-0.00	0.00	0.38
40	191	300.7	369.9	-31.8	-0.01	-0.00	-0.03
	161	-378.1	-47.3	31.8	0.01	0.06	0.38
41	191	-444.5	394.3	24.6	0.01	0.01	-0.01
	161	367.1	-71.8	-24.6	-0.01	-0.05	0.40
42	191	-134.0	908.3	-2.0	0.00	-0.00	-0.10
	161	56.6	-585.8	2.0	-0.00	0.01	1.33
43	191	-54.5	859.8	-58.7	0.01	0.09	-0.09
	161	-22.9	-537.3	58.7	-0.01	0.01	1.24
44	191	-44.4	872.0	-140.1	0.01	0.18	-0.09
	161	-33.0	-549.5	140.1	-0.01	0.05	1.26
45	191	-125.6	875.3	104.6	0.01	-0.12	-0.10
	161	48.1	-552.7	-104.6	-0.01	-0.05	1.28
46	191	-176.3	900.8	163.1	0.01	-0.21	-0.11
	161	98.9	-578.2	-163.1	-0.01	-0.06	1.32
47	191	-223.6	944.7	136.2	0.00	-0.19	-0.10
	161	146.2	-622.1	-136.2	-0.00	-0.04	1.39
48	191	-213.5	956.9	54.8	-0.00	-0.09	-0.10
	161	136.1	-634.3	-54.8	0.00	-0.00	1.41
49	191	-91.7	915.9	-167.0	-0.00	0.20	-0.09
	161	14.3	-593.4	167.0	0.00	0.07	1.33
50	191	-142.5	941.4	-108.5	-0.00	0.12	-0.09
	161	65.1	-618.8	108.5	0.00	0.06	1.38
51	191	-7.1	342.6	-49.2	0.01	0.08	-0.02
	161	-70.3	-20.0	49.2	-0.01	0.01	0.32
52	191	1.1	352.4	-114.5	0.00	0.15	-0.02
	161	-78.6	-29.9	114.5	-0.00	0.04	0.33
53	191	-65.0	355.3	81.7	0.01	-0.09	-0.03
	161	-12.4	-32.8	-81.7	-0.01	-0.04	0.35
54	191	-106.3	376.1	128.7	0.00	-0.16	-0.03
	161	28.9	-53.5	-128.7	-0.00	-0.05	0.38
55	191	-144.9	411.8	107.4	0.00	-0.15	-0.03
	161	67.5	-89.2	-107.4	-0.00	-0.03	0.44
56	191	-136.6	421.6	42.1	-0.00	-0.07	-0.03
	161	59.2	-99.1	-42.1	0.00	-0.00	0.45
57	191	-37.4	388.1	-135.8	-0.00	0.17	-0.02
	161	-40.0	-65.5	135.8	0.00	0.06	0.39
58	191	-78.8	408.9	-88.8	-0.00	0.10	-0.02
	161	1.4	-86.3	88.8	0.00	0.05	0.43
1	161	222.1	-806.1	3.2	0.00	-0.00	-0.55
	131	-322.7	1225.4	-3.2	-0.00	-0.00	-1.12
2	161	916.7	-3299.6	16.2	0.01	-0.01	-1.98
	131	-1017.4	3718.9	-16.2	-0.01	-0.02	-3.80
3	161	1304.7	-4575.3	186.2	-0.00	-0.08	-2.70
	131	-1405.3	4994.6	-186.2	0.00	-0.22	-5.17
4	161	1473.8	-3309.7	174.8	-0.01	-0.09	-1.98
	131	-1574.4	3729.0	-174.8	0.01	-0.20	-3.82

	161	1620.4	-2375.0	146.8	-0.01	-0.09	-1.41
	131	-1721.0	2794.3	-146.8	0.01	-0.15	-2.85
6	161	1475.0	-3321.2	168.4	-0.00	-0.09	-1.96
	131	-1575.6	3740.5	-168.4	0.00	-0.19	-3.85
7	161	186.9	-4538.6	-111.5	0.02	0.07	-2.73
	131	-287.5	4957.9	111.5	-0.02	0.11	-5.08
8	161	355.9	-3273.0	-122.8	0.02	0.07	-2.00
	131	-456.6	3692.3	122.8	-0.02	0.13	-3.73
9	161	502.5	-2338.3	-150.9	0.02	0.07	-1.43
	131	-603.2	2757.6	150.9	-0.02	0.18	-2.76
10	161	357.1	-3284.5	-129.3	0.02	0.07	-1.98
	131	-457.8	3703.8	129.3	-0.02	0.14	-3.77
11	161	843.4	-4166.8	193.8	-0.00	-0.08	-2.48
	131	-944.0	4586.1	-193.8	0.00	-0.24	-4.72
12	161	-274.4	-4130.1	-103.8	0.02	0.08	-2.51
	131	173.8	4549.4	103.8	-0.02	0.09	-4.63
13	161	1125.1	-2057.4	174.9	-0.01	-0.09	-1.27
	131	-1225.8	2476.7	-174.9	0.01	-0.20	-2.46
14	161	7.3	-2020.7	-122.8	0.01	0.07	-1.30
	131	-108.0	2440.1	122.8	-0.01	0.13	-2.37
15	161	1369.5	-499.6	128.2	-0.01	-0.09	-0.32
	131	-1470.1	919.0	-128.2	0.01	-0.12	-0.85
16	161	251.7	-463.0	-169.5	0.01	0.07	-0.35
	131	-352.3	882.3	169.5	-0.01	0.21	-0.76
17	161	1127.2	-2076.6	164.1	-0.01	-0.08	-1.24
	131	-1227.8	2496.0	-164.1	0.01	-0.19	-2.52
18	161	9.4	-2039.9	-133.5	0.02	0.08	-1.27
	131	-110.0	2459.3	133.5	-0.02	0.14	-2.43
19	161	1330.0	-3340.7	278.9	-0.01	-0.14	-1.98
	131	-1430.6	3760.1	-278.9	0.01	-0.32	-3.86
20	161	-533.1	-3279.6	-217.2	0.02	0.13	-2.03
	131	432.4	3699.0	217.2	-0.02	0.23	-3.72
21	161	1499.0	-2075.1	267.6	-0.02	-0.14	-1.25
	131	-1599.7	2494.5	-267.6	0.02	-0.30	-2.51
22	161	-364.0	-2014.0	-228.5	0.02	0.12	-1.30
	131	263.4	2433.3	228.5	-0.02	0.25	-2.36
23	161	1645.6	-1140.5	239.5	-0.02	-0.14	-0.68
	131	-1746.3	1559.8	-239.5	0.02	-0.26	-1.54
24	161	-217.4	-1079.3	-256.6	0.02	0.12	-0.73
	131	116.8	1498.7	256.6	-0.02	0.30	-1.39
25	161	1500.2	-2086.7	261.1	-0.01	-0.14	-1.23
	131	-1600.9	2506.0	-261.1	0.01	-0.29	-2.54
26	161	-362.8	-2025.5	-235.0	0.02	0.13	-1.28
	131	262.2	2444.9	235.0	-0.02	0.26	-2.40
27	161	933.3	-2182.4	-60.6	0.01	-0.01	-1.26
	131	-1010.7	2504.9	60.6	-0.01	0.08	-2.57
28	161	973.3	-2175.0	-43.1	0.01	-0.05	-1.27
	131	-1050.7	2497.5	43.1	-0.01	0.12	-2.55
29	161	651.5	-2221.4	-36.4	0.01	0.04	-1.29
	131	-728.9	2544.0	36.4	-0.01	-0.05	-2.61
30	161	516.5	-2235.1	31.0	0.00	0.00	-1.37
	131	-593.9	2557.7	-31.0	-0.00	-0.05	-2.58
31	161	261.3	-2269.2	66.9	0.00	0.04	-1.41
	131	-338.8	2591.8	-66.9	-0.00	-0.15	-2.61
32	161	301.3	-2261.8	84.4	-0.00	0.00	-1.43
	131	-378.7	2584.4	-84.4	0.00	-0.11	-2.59

	161	784.7	-2196.7	22.0	-0.00	-0.07	-1.35
	131	-862.1	2519.3	-22.0	0.00	0.09	-2.54
34	161	583.1	-2222.8	60.2	-0.00	-0.06	-1.39
	131	-660.6	2545.3	-60.2	0.00	0.02	-2.55
35	161	385.7	-1390.9	7.6	0.00	-0.00	-0.87
	131	-463.1	1713.5	-7.6	-0.00	-0.01	-1.69
36	161	40.2	-1398.0	17.4	0.00	-0.00	-0.89
	131	-117.6	1720.6	-17.4	-0.00	-0.03	-1.68
37	161	152.9	-554.3	9.9	0.00	-0.01	-0.40
	131	-230.3	876.8	-9.9	-0.00	-0.01	-0.78
38	161	250.6	68.8	-8.8	0.00	-0.00	-0.02
	131	-328.1	253.7	8.8	-0.00	0.02	-0.13
39	161	153.7	-562.0	5.5	0.00	-0.00	-0.39
	131	-231.1	884.5	-5.5	-0.00	-0.01	-0.80
40	161	526.8	-572.0	102.5	-0.01	-0.06	-0.38
	131	-604.2	894.6	-102.5	0.01	-0.11	-0.82
41	161	-218.4	-547.6	-95.9	0.01	0.05	-0.40
	131	141.0	870.1	95.9	-0.01	0.11	-0.77
42	161	617.3	-2222.1	11.9	0.00	-0.01	-1.34
	131	-694.7	2544.7	-11.9	-0.00	-0.01	-2.58
43	161	916.1	-2185.2	-41.7	0.01	-0.01	-1.26
	131	-993.5	2507.8	41.7	-0.01	0.08	-2.61
44	161	952.9	-2178.3	-57.3	0.01	-0.05	-1.28
	131	-1030.4	2500.9	57.3	-0.01	0.12	-2.59
45	161	651.1	-2221.5	19.6	0.01	0.05	-1.29
	131	-728.5	2544.1	-19.6	-0.01	-0.05	-2.62
46	161	460.7	-2245.7	56.4	0.01	0.06	-1.34
	131	-538.2	2568.3	-56.4	-0.01	-0.12	-2.61
47	161	281.7	-2265.9	81.1	0.00	0.04	-1.41
	131	-359.1	2588.5	-81.1	-0.00	-0.15	-2.57
48	161	318.5	-2259.0	65.5	-0.00	0.00	-1.43
	131	-395.9	2581.5	-65.5	0.00	-0.11	-2.55
49	161	773.9	-2198.5	-32.6	-0.00	-0.07	-1.35
	131	-851.3	2521.0	32.6	0.00	0.09	-2.55
50	161	583.5	-2222.7	4.3	-0.00	-0.06	-1.39
	131	-660.9	2545.2	-4.3	0.00	0.02	-2.54
51	161	397.7	-529.7	-40.3	0.01	-0.01	-0.32
	131	-475.1	852.3	40.3	-0.01	0.07	-0.82
52	161	427.7	-524.1	-53.1	0.00	-0.04	-0.34
	131	-505.1	846.7	53.1	-0.00	0.11	-0.80
53	161	181.7	-559.2	9.5	0.01	0.04	-0.35
	131	-259.1	881.8	-9.5	-0.01	-0.03	-0.83
54	161	26.6	-579.0	39.5	0.00	0.05	-0.39
	131	-104.0	901.5	-39.5	-0.00	-0.09	-0.82
55	161	-119.4	-595.4	59.7	0.00	0.03	-0.45
	131	41.9	918.0	-59.7	-0.00	-0.11	-0.79
56	161	-89.4	-589.8	46.9	-0.00	0.00	-0.46
	131	11.9	912.4	-46.9	0.00	-0.08	-0.77
57	161	281.7	-540.6	-32.9	-0.00	-0.06	-0.39
	131	-359.2	863.2	32.9	0.00	0.08	-0.77
58	161	126.6	-560.3	-2.9	-0.00	-0.05	-0.43
	131	-204.0	882.9	2.9	0.00	0.02	-0.76
1	131	-244.8	1197.6	-3.2	-0.00	0.01	1.11
	92	104.9	-614.4	3.2	0.00	0.00	0.96
2	131	-672.0	3500.9	-0.4	-0.00	-0.00	3.70

	92	532.0	-2917.8	0.4	0.00	0.00	3.65
3	131	2162.0	4694.4	-41.8	-0.01	0.02	5.11
	92	-2302.0	-4111.3	41.8	0.01	0.07	4.96
4	131	2240.5	3517.1	-53.3	-0.01	0.04	3.78
	92	-2380.4	-2934.0	53.3	0.01	0.08	3.60
5	131	2366.2	2567.5	-69.6	-0.01	0.08	2.67
	92	-2506.2	-1984.3	69.6	0.01	0.08	2.54
6	131	2271.3	3469.3	-55.0	-0.01	0.05	3.70
	92	-2411.3	-2886.2	55.0	0.01	0.07	3.57
7	131	-3721.7	4735.0	71.9	0.00	-0.09	5.07
	92	3581.7	-4151.9	-71.9	-0.00	-0.08	5.10
8	131	-3643.2	3557.7	60.4	0.00	-0.07	3.74
	92	3503.2	-2974.6	-60.4	-0.00	-0.07	3.73
9	131	-3517.4	2608.0	44.1	0.00	-0.03	2.63
	92	3377.5	-2024.9	-44.1	-0.00	-0.07	2.67
10	131	-3612.3	3509.9	58.8	0.00	-0.06	3.66
	92	3472.4	-2926.7	-58.8	-0.00	-0.08	3.71
11	131	2303.7	4351.9	-33.0	-0.01	0.00	4.75
	92	-2443.6	-3768.8	33.0	0.01	0.07	4.55
12	131	-3580.0	4392.5	80.7	0.00	-0.11	4.70
	92	3440.1	-3809.3	-80.7	-0.00	-0.08	4.68
13	131	2434.5	2389.7	-52.1	-0.01	0.04	2.53
	92	-2574.4	-1806.6	52.1	0.01	0.08	2.27
14	131	-3449.2	2430.3	61.6	0.00	-0.07	2.49
	92	3309.3	-1847.2	-61.6	-0.00	-0.07	2.40
15	131	2644.1	807.0	-79.3	-0.01	0.10	0.67
	92	-2784.0	-223.8	79.3	0.01	0.08	0.51
16	131	-3239.6	847.5	34.4	0.00	-0.01	0.63
	92	3099.7	-264.4	-34.4	-0.00	-0.07	0.64
17	131	2485.9	2310.0	-54.9	-0.01	0.05	2.39
	92	-2625.8	-1726.9	54.9	0.01	0.07	2.23
18	131	-3397.8	2350.6	58.9	0.00	-0.06	2.35
	92	3257.8	-1767.5	-58.9	-0.00	-0.08	2.36
19	131	4336.8	3529.2	-81.2	-0.01	0.06	3.83
	92	-4476.7	-2946.1	81.2	0.01	0.12	3.58
20	131	-5469.3	3596.8	108.4	0.00	-0.12	3.76
	92	5329.4	-3013.7	-108.4	-0.00	-0.13	3.80
21	131	4415.3	2351.9	-92.7	-0.01	0.08	2.50
	92	-4555.2	-1768.8	92.7	0.01	0.13	2.21
22	131	-5390.8	2419.5	96.9	0.01	-0.10	2.43
	92	5250.9	-1836.4	-96.9	-0.01	-0.12	2.44
23	131	4541.0	1402.2	-109.0	-0.01	0.12	1.39
	92	-4681.0	-819.1	109.0	0.01	0.13	1.15
24	131	-5265.1	1469.8	80.6	0.01	-0.06	1.32
	92	5125.1	-886.7	-80.6	-0.01	-0.12	1.38
25	131	4446.1	2304.1	-94.3	-0.01	0.09	2.42
	92	-4586.1	-1721.0	94.3	0.01	0.12	2.19
26	131	-5360.0	2371.7	95.3	0.00	-0.09	2.35
	92	5220.0	-1788.6	-95.3	-0.00	-0.13	2.41
27	131	-484.4	2242.5	-25.6	-0.00	0.09	2.30
	92	376.8	-1793.9	25.6	0.00	0.01	2.34
28	131	-476.0	2259.8	-39.9	-0.00	0.05	2.28
	92	368.3	-1811.2	39.9	0.00	0.05	2.36
29	131	-483.1	2327.4	14.0	-0.00	0.09	2.49
	92	375.4	-1878.8	-14.0	0.00	-0.06	2.40
30	131	-459.4	2446.3	9.8	-0.00	-0.02	2.58

	92	351.8	-1997.8	-9.8	0.00	-0.01	2.50
31	131	-452.4	2542.8	39.9	-0.00	-0.05	2.75
	92	344.8	-2094.2	-39.9	0.00	-0.04	2.58
32	131	-444.0	2560.1	25.5	-0.00	-0.09	2.73
	92	336.3	-2111.5	-25.5	0.00	-0.00	2.59
33	131	-455.0	2385.1	-33.7	0.00	-0.05	2.40
	92	347.3	-1936.6	33.7	-0.00	0.07	2.46
34	131	-445.3	2475.2	-14.1	-0.00	-0.09	2.54
	92	337.7	-2026.6	14.1	0.00	0.06	2.53
35	131	-321.8	1633.5	-1.0	-0.00	0.00	1.65
	92	214.2	-1184.9	1.0	0.00	0.00	1.57
36	131	-251.4	1674.9	8.3	-0.00	-0.02	1.72
	92	143.7	-1226.3	-8.3	0.00	-0.00	1.60
37	131	-199.0	890.0	0.7	-0.00	-0.01	0.83
	92	91.4	-441.4	-0.7	0.00	0.00	0.69
38	131	-115.2	256.9	-10.2	-0.00	0.02	0.09
	92	7.6	191.7	10.2	0.00	0.00	-0.01
39	131	-178.5	858.1	-0.4	-0.00	0.00	0.78
	92	70.8	-409.6	0.4	0.00	-0.00	0.68
40	131	1781.8	852.2	-39.8	-0.00	0.04	0.80
	92	-1889.4	-403.6	39.8	0.00	0.05	0.63
41	131	-2140.7	879.2	36.0	0.00	-0.03	0.78
	92	2033.0	-430.7	-36.0	-0.00	-0.05	0.72
42	131	-464.2	2401.3	-0.0	-0.00	-0.00	2.51
	92	356.6	-1952.7	0.0	0.00	0.00	2.47
43	131	-483.9	2251.5	-24.2	-0.00	0.09	2.31
	92	376.2	-1802.9	24.2	0.00	0.01	2.35
44	131	-475.1	2267.5	-37.5	-0.00	0.05	2.29
	92	367.4	-1819.0	37.5	0.00	0.05	2.36
45	131	-483.4	2332.0	12.8	-0.00	0.09	2.49
	92	375.8	-1883.4	-12.8	0.00	-0.06	2.41
46	131	-474.3	2417.0	31.3	-0.00	0.05	2.62
	92	366.6	-1968.5	-31.3	0.00	-0.08	2.47
47	131	-453.4	2535.0	37.4	-0.00	-0.05	2.74
	92	345.7	-2086.5	-37.4	0.00	-0.05	2.57
48	131	-444.6	2551.1	24.1	-0.00	-0.09	2.72
	92	336.9	-2102.5	-24.1	0.00	-0.00	2.59
49	131	-454.1	2385.5	-31.4	0.00	-0.05	2.41
	92	346.5	-1937.0	31.4	-0.00	0.08	2.46
50	131	-445.0	2470.6	-12.9	-0.00	-0.09	2.54
	92	337.3	-2022.1	12.9	0.00	0.06	2.53
51	131	-195.4	743.6	-21.6	-0.00	0.08	0.62
	92	87.8	-295.0	21.6	0.00	0.01	0.58
52	131	-188.4	756.7	-32.4	-0.00	0.04	0.60
	92	80.7	-308.1	32.4	0.00	0.04	0.59
53	131	-195.0	809.2	8.5	-0.00	0.08	0.77
	92	87.3	-360.6	-8.5	0.00	-0.05	0.63
54	131	-187.5	878.5	23.6	-0.00	0.04	0.87
	92	79.9	-430.0	-23.6	0.00	-0.06	0.68
55	131	-170.6	974.7	28.5	-0.00	-0.04	0.97
	92	62.9	-526.1	-28.5	0.00	-0.04	0.76
56	131	-163.5	987.8	17.8	-0.00	-0.07	0.95
	92	55.8	-539.2	-17.8	0.00	-0.00	0.78
57	131	-171.4	852.9	-27.5	0.00	-0.04	0.70
	92	63.8	-404.3	27.5	-0.00	0.06	0.67
58	131	-163.9	922.2	-12.4	0.00	-0.07	0.81

	92	56.3	-473.6	12.4	-0.00	0.05	0.73
1	92	182.7	-583.8	-0.6	-0.00	-0.00	-0.96
	68	-322.6	1166.9	0.6	0.00	0.00	-1.04
2	92	851.2	-2845.6	3.2	-0.00	-0.00	-3.65
	68	-991.2	3428.7	-3.2	0.00	-0.01	-3.53
3	92	3685.2	-3969.7	87.9	-0.01	-0.07	-4.97
	68	-3825.1	4552.8	-87.9	0.01	-0.13	-4.78
4	92	3763.7	-2829.4	89.5	-0.01	-0.08	-3.60
	68	-3903.6	3412.6	-89.5	0.01	-0.12	-3.54
5	92	3889.4	-2041.0	70.0	-0.01	-0.08	-2.54
	68	-4029.4	2624.1	-70.0	0.01	-0.08	-2.80
6	92	3794.5	-2877.2	73.9	-0.01	-0.07	-3.58
	68	-3934.5	3460.4	-73.9	0.01	-0.10	-3.68
7	92	-2198.5	-3929.1	-61.8	0.00	0.08	-5.10
	68	2058.5	4512.2	61.8	-0.00	0.07	-4.56
8	92	-2120.0	-2788.9	-60.3	0.00	0.07	-3.73
	68	1980.1	3372.0	60.3	-0.00	0.07	-3.31
9	92	-1994.2	-2000.4	-79.7	0.00	0.07	-2.67
	68	1854.3	2583.5	79.7	-0.00	0.11	-2.57
10	92	-2089.2	-2836.7	-75.9	0.00	0.08	-3.71
	68	1949.2	3419.8	75.9	-0.00	0.10	-3.45
11	92	3279.0	-3574.6	92.6	-0.01	-0.07	-4.55
	68	-3419.0	4157.7	-92.6	0.01	-0.14	-4.30
12	92	-2604.7	-3534.0	-57.1	0.00	0.08	-4.68
	68	2464.7	4117.1	57.1	-0.00	0.05	-4.07
13	92	3409.8	-1674.2	95.2	-0.01	-0.08	-2.27
	68	-3549.8	2257.3	-95.2	0.01	-0.13	-2.23
14	92	-2473.9	-1633.7	-54.6	0.00	0.07	-2.40
	68	2333.9	2216.8	54.6	-0.00	0.06	-2.00
15	92	3619.4	-360.1	62.8	-0.01	-0.08	-0.51
	68	-3759.4	943.2	-62.8	0.01	-0.06	-0.98
16	92	-2264.3	-319.5	-87.0	0.00	0.07	-0.64
	68	2124.3	902.6	87.0	-0.00	0.13	-0.76
17	92	3461.2	-1753.9	69.2	-0.01	-0.07	-2.23
	68	-3601.2	2337.0	-69.2	0.01	-0.09	-2.45
18	92	-2422.4	-1713.3	-80.6	0.00	0.08	-2.36
	68	2282.5	2296.5	80.6	-0.00	0.10	-2.22
19	92	5312.1	-2852.3	136.0	-0.01	-0.12	-3.58
	68	-5452.1	3435.4	-136.0	0.01	-0.19	-3.61
20	92	-4494.0	-2784.7	-113.6	0.00	0.13	-3.80
	68	4354.0	3367.8	113.6	-0.00	0.13	-3.24
21	92	5390.6	-1712.0	137.5	-0.01	-0.13	-2.21
	68	-5530.6	2295.2	-137.5	0.01	-0.18	-2.37
22	92	-4415.5	-1644.4	-112.1	0.01	0.12	-2.44
	68	4275.5	2227.6	112.1	-0.01	0.14	-1.99
23	92	5516.4	-923.6	118.1	-0.01	-0.13	-1.16
	68	-5656.3	1506.7	-118.1	0.01	-0.14	-1.62
24	92	-4289.7	-855.9	-131.5	0.01	0.12	-1.38
	68	4149.8	1439.1	131.5	-0.01	0.18	-1.25
25	92	5421.5	-1759.9	121.9	-0.01	-0.12	-2.19
	68	-5561.4	2343.0	-121.9	0.01	-0.16	-2.50
26	92	-4384.6	-1692.2	-127.7	0.00	0.13	-2.41
	68	4244.7	2275.4	127.7	-0.00	0.17	-2.13
27	92	865.9	-1950.6	16.6	-0.00	-0.01	-2.34
	68	-973.6	2399.1	-16.6	0.00	-0.04	-2.61

	92	904.1	-1962.2	82.5	-0.00	-0.05	-2.36
	68	-1011.7	2410.7	-82.5	0.00	-0.15	-2.64
29	92	600.6	-1901.4	-93.1	-0.00	0.06	-2.40
	68	-708.2	2349.9	93.1	0.00	0.16	-2.43
30	92	474.7	-1890.2	-11.4	-0.00	0.01	-2.50
	68	-582.4	2338.7	11.4	0.00	0.02	-2.34
31	92	234.8	-1848.7	-77.2	-0.00	0.04	-2.58
	68	-342.4	2297.3	77.2	0.00	0.14	-2.17
32	92	272.9	-1860.3	-11.3	-0.00	0.00	-2.60
	68	-380.5	2308.9	11.3	0.00	0.03	-2.20
33	92	727.6	-1940.1	126.5	0.00	-0.07	-2.46
	68	-835.3	2388.6	-126.5	-0.00	-0.22	-2.51
34	92	538.2	-1909.5	98.4	-0.00	-0.06	-2.53
	68	-645.9	2358.1	-98.4	0.00	-0.16	-2.38
35	92	346.6	-1151.5	1.4	-0.00	-0.00	-1.57
	68	-454.2	1600.1	-1.4	0.00	-0.00	-1.57
36	92	51.8	-1133.4	6.7	-0.00	0.00	-1.60
	68	-159.5	1582.0	-6.7	0.00	-0.02	-1.50
37	92	104.1	-373.3	7.7	-0.00	-0.00	-0.69
	68	-211.8	821.8	-7.7	0.00	-0.01	-0.68
38	92	188.0	152.4	-5.2	-0.00	-0.00	0.01
	68	-295.6	296.2	5.2	0.00	0.01	-0.18
39	92	124.7	-405.1	-2.7	-0.00	0.00	-0.68
	68	-232.4	853.7	2.7	0.00	0.00	-0.76
40	92	2084.9	-411.1	50.1	-0.00	-0.05	-0.63
	68	-2192.6	859.6	-50.1	0.00	-0.06	-0.82
41	92	-1837.5	-384.0	-49.8	0.00	0.05	-0.72
	68	1729.8	832.6	49.8	-0.00	0.07	-0.67
42	92	569.4	-1905.4	2.6	-0.00	-0.00	-2.47
	68	-677.1	2354.0	-2.6	0.00	-0.00	-2.40
43	92	849.7	-1946.1	15.9	-0.00	-0.01	-2.35
	68	-957.3	2394.6	-15.9	0.00	-0.04	-2.60
44	92	885.0	-1957.4	84.9	-0.00	-0.05	-2.36
	68	-992.7	2405.9	-84.9	0.00	-0.15	-2.63
45	92	599.8	-1900.5	-98.0	-0.00	0.06	-2.41
	68	-707.5	2349.0	98.0	0.00	0.16	-2.42
46	92	421.1	-1872.7	-126.7	-0.00	0.08	-2.48
	68	-528.7	2321.3	126.7	0.00	0.22	-2.30
47	92	253.8	-1853.5	-79.6	-0.00	0.05	-2.57
	68	-361.4	2302.1	79.6	0.00	0.14	-2.18
48	92	289.2	-1864.8	-10.6	-0.00	0.00	-2.59
	68	-396.8	2313.4	10.6	0.00	0.03	-2.21
49	92	717.7	-1938.2	132.0	0.00	-0.08	-2.46
	68	-825.4	2386.8	-132.0	-0.00	-0.23	-2.51
50	92	539.0	-1910.4	103.3	-0.00	-0.06	-2.53
	68	-646.6	2359.0	-103.3	0.00	-0.17	-2.39
51	92	352.1	-430.6	10.9	-0.00	-0.01	-0.58
	68	-459.8	879.2	-10.9	0.00	-0.02	-0.90
52	92	380.9	-439.7	66.3	-0.00	-0.04	-0.59
	68	-488.5	888.3	-66.3	0.00	-0.12	-0.92
53	92	148.6	-393.7	-80.7	-0.00	0.05	-0.63
	68	-256.2	842.2	80.7	0.00	0.14	-0.76
54	92	2.9	-371.1	-103.8	-0.00	0.06	-0.69
	68	-110.6	819.7	103.8	0.00	0.18	-0.66
55	92	-133.5	-355.4	-66.1	-0.00	0.04	-0.76
	68	25.8	803.9	66.1	0.00	0.12	-0.56

	92	-104.7	-364.5	-10.6	-0.00	0.00	-0.78
	68	-3.0	813.0	10.6	0.00	0.03	-0.58
57	92	244.5	-424.0	104.1	0.00	-0.06	-0.67
	68	-352.2	872.6	-104.1	-0.00	-0.18	-0.83
58	92	98.8	-401.4	81.0	0.00	-0.05	-0.73
	68	-206.5	850.0	-81.0	-0.00	-0.13	-0.73
1	69	-195.0	812.7	-47.1	0.00	0.06	0.87
	46	111.7	-465.4	47.1	-0.00	-0.00	0.00
2	69	-521.2	2171.5	-98.9	0.00	0.13	2.71
	46	437.8	-1824.3	98.9	-0.00	-0.00	0.01
3	69	-521.2	2861.4	-514.5	0.00	0.70	3.64
	46	437.8	-2514.1	514.5	-0.00	0.00	0.02
4	69	-521.2	2171.5	-567.7	0.00	0.77	2.71
	46	437.8	-1824.3	567.7	-0.00	0.00	0.01
5	69	-521.2	1654.2	-624.8	0.00	0.85	2.01
	46	437.8	-1306.9	624.8	-0.00	0.00	0.01
6	69	-521.2	2171.5	-574.4	0.00	0.78	2.71
	46	437.8	-1824.3	574.4	-0.00	0.00	0.01
7	69	-521.2	2861.4	441.2	-0.00	-0.60	3.64
	46	437.8	-2514.1	-441.2	0.00	-0.00	0.02
8	69	-521.2	2171.5	388.1	-0.00	-0.53	2.71
	46	437.8	-1824.3	-388.1	0.00	-0.00	0.02
9	69	-521.2	1654.2	330.9	-0.00	-0.45	2.01
	46	437.8	-1306.9	-330.9	0.00	-0.00	0.01
10	69	-521.2	2171.5	381.4	-0.00	-0.52	2.71
	46	437.8	-1824.3	-381.4	0.00	-0.00	0.02
11	69	-358.1	2641.8	-447.1	0.00	0.61	3.34
	46	274.8	-2294.6	447.1	-0.00	0.00	0.02
12	69	-358.1	2641.8	508.7	-0.00	-0.69	3.34
	46	274.8	-2294.6	-508.7	0.00	-0.00	0.02
13	69	-358.1	1492.1	-535.7	0.00	0.73	1.79
	46	274.8	-1144.8	535.7	-0.00	0.00	0.01
14	69	-358.1	1492.1	420.1	-0.00	-0.57	1.79
	46	274.8	-1144.8	-420.1	0.00	-0.00	0.01
15	69	-358.1	629.8	-630.9	0.00	0.86	0.62
	46	274.8	-282.5	630.9	-0.00	0.00	0.00
16	69	-358.1	629.8	324.8	-0.00	-0.44	0.62
	46	274.8	-282.5	-324.8	0.00	-0.00	0.00
17	69	-358.1	1492.1	-546.8	0.00	0.75	1.79
	46	274.8	-1144.8	546.8	-0.00	0.00	0.01
18	69	-358.1	1492.1	409.0	-0.00	-0.56	1.79
	46	274.8	-1144.8	-409.0	0.00	-0.00	0.01
19	69	-358.1	2181.9	-807.2	0.00	1.10	2.72
	46	274.8	-1834.7	807.2	-0.00	0.00	0.01
20	69	-358.1	2181.9	785.8	-0.00	-1.07	2.72
	46	274.8	-1834.7	-785.8	0.00	-0.00	0.02
21	69	-358.1	1492.1	-860.4	0.00	1.17	1.79
	46	274.8	-1144.8	860.4	-0.00	0.00	0.01
22	69	-358.1	1492.1	732.6	-0.00	-1.00	1.79
	46	274.8	-1144.8	-732.6	0.00	-0.00	0.01
23	69	-358.1	974.7	-917.5	0.00	1.25	1.09
	46	274.8	-627.5	917.5	-0.00	0.00	0.00
24	69	-358.1	974.7	675.5	-0.00	-0.92	1.09
	46	274.8	-627.5	-675.5	0.00	-0.00	0.01
25	69	-358.1	1492.1	-867.0	0.00	1.18	1.79

	46	274.8	-1144.8	867.0	-0.00	0.00	0.01
26	69	-358.1	1492.1	725.9	-0.00	-0.99	1.79
	46	274.8	-1144.8	-725.9	0.00	-0.00	0.01
27	69	-452.7	1515.6	-196.3	0.00	0.27	1.87
	46	388.6	-1248.4	196.3	-0.00	0.00	0.01
28	69	-464.5	1522.3	-223.3	0.00	0.30	1.88
	46	400.4	-1255.2	223.3	-0.00	0.00	0.01
29	69	-369.8	1493.9	-65.9	-0.00	0.09	1.84
	46	305.7	-1226.7	65.9	0.00	-0.00	0.01
30	69	-330.2	1493.3	-26.1	-0.00	0.04	1.84
	46	266.1	-1226.1	26.1	-0.00	-0.00	0.01
31	69	-255.1	1476.1	86.4	-0.00	-0.12	1.82
	46	191.0	-1208.9	-86.4	-0.00	-0.00	0.01
32	69	-266.9	1482.8	59.4	-0.00	-0.08	1.83
	46	202.8	-1215.7	-59.4	-0.00	-0.00	0.01
33	69	-409.1	1516.4	-155.9	0.00	0.21	1.87
	46	344.9	-1249.2	155.9	-0.00	0.00	0.01
34	69	-349.8	1504.5	-71.0	0.00	0.10	1.86
	46	285.7	-1237.4	71.0	-0.00	0.00	0.01
35	69	-251.1	1046.2	-51.2	0.00	0.07	1.24
	46	187.0	-779.1	51.2	-0.00	-0.00	0.01
36	69	-142.4	1053.2	7.6	0.00	-0.01	1.25
	46	78.3	-786.0	-7.6	0.00	-0.00	0.01
37	69	-142.4	593.3	-27.8	0.00	0.04	0.62
	46	78.3	-326.1	27.8	-0.00	-0.00	0.00
38	69	-142.4	248.4	-65.9	0.00	0.09	0.16
	46	78.3	18.8	65.9	-0.00	-0.00	-0.00
39	69	-142.4	593.3	-32.3	0.00	0.04	0.62
	46	78.3	-326.1	32.3	-0.00	-0.00	0.00
40	69	-142.4	593.3	-352.5	0.00	0.48	0.62
	46	78.3	-326.1	352.5	-0.00	0.00	0.00
41	69	-142.4	593.3	284.7	-0.00	-0.39	0.62
	46	78.3	-326.1	-284.7	0.00	-0.00	0.00
42	69	-359.8	1499.2	-68.5	0.00	0.09	1.85
	46	295.7	-1232.1	68.5	-0.00	-0.00	0.01
43	69	-446.8	1512.9	-190.8	0.00	0.26	1.87
	46	382.7	-1245.8	190.8	0.00	-0.00	0.01
44	69	-457.8	1519.6	-214.8	0.00	0.29	1.88
	46	393.6	-1252.5	214.8	-0.00	0.00	0.01
45	69	-369.3	1493.2	-68.9	-0.00	0.09	1.84
	46	305.2	-1226.1	68.9	0.00	-0.00	0.01
46	69	-313.9	1483.0	11.7	-0.00	-0.02	1.83
	46	249.7	-1215.9	-11.7	0.00	-0.00	0.01
47	69	-261.9	1478.8	77.8	0.00	-0.11	1.82
	46	197.7	-1211.7	-77.8	0.00	-0.00	0.01
48	69	-272.8	1485.4	53.9	0.00	-0.07	1.83
	46	208.7	-1218.3	-53.9	0.00	-0.00	0.01
49	69	-405.8	1515.4	-148.6	0.00	0.20	1.87
	46	341.6	-1248.3	148.6	-0.00	0.00	0.01
50	69	-350.3	1505.2	-68.0	0.00	0.09	1.86
	46	286.2	-1238.0	68.0	-0.00	0.00	0.01
51	69	-213.3	604.4	-133.7	0.00	0.18	0.64
	46	149.2	-337.3	133.7	0.00	0.00	0.00
52	69	-222.2	609.8	-153.1	0.00	0.21	0.65
	46	158.1	-342.7	153.1	0.00	0.00	0.00
53	69	-150.2	588.5	-34.3	-0.00	0.05	0.62

	46	86.1	-321.4	34.3	0.00	-0.00	0.00
54	69	-105.0	580.2	31.4	-0.00	-0.04	0.61
	46	40.8	-313.1	-31.4	0.00	-0.00	0.00
55	69	-62.6	576.7	85.4	0.00	-0.12	0.60
	46	-1.5	-309.6	-85.4	0.00	-0.00	0.00
56	69	-71.5	582.1	65.9	0.00	-0.09	0.61
	46	7.4	-315.0	-65.9	0.00	-0.00	0.00
57	69	-179.8	606.4	-99.2	0.00	0.14	0.64
	46	115.7	-339.2	99.2	-0.00	0.00	0.00
58	69	-134.6	598.1	-33.5	0.00	0.05	0.63
	46	70.5	-330.9	33.5	-0.00	0.00	0.00
1	70	-139.2	579.9	-21.0	0.00	0.03	0.56
	47	55.8	-232.6	21.0	-0.00	0.00	-0.00
2	70	-302.2	1259.1	-53.5	0.00	0.07	1.49
	47	218.8	-911.8	53.5	-0.00	0.00	-0.01
3	70	-302.2	1603.9	-620.9	0.00	0.85	1.97
	47	218.8	-1256.7	620.9	-0.00	0.00	-0.02
4	70	-302.2	1259.1	-658.9	0.00	0.90	1.49
	47	218.8	-911.8	658.9	-0.00	0.00	-0.01
5	70	-302.2	1000.5	-673.0	0.00	0.92	1.14
	47	218.8	-653.2	673.0	-0.00	0.00	-0.01
6	70	-302.2	1259.1	-641.4	0.00	0.87	1.49
	47	218.8	-911.8	641.4	-0.00	0.00	-0.01
7	70	-302.2	1603.9	573.1	-0.00	-0.78	1.97
	47	218.8	-1256.7	-573.1	0.00	-0.00	-0.02
8	70	-302.2	1259.1	535.2	-0.00	-0.73	1.49
	47	218.8	-911.8	-535.2	0.00	-0.00	-0.01
9	70	-302.2	1000.5	521.1	-0.00	-0.71	1.14
	47	218.8	-653.2	-521.1	0.00	-0.00	-0.01
10	70	-302.2	1259.1	552.6	-0.00	-0.75	1.49
	47	218.8	-911.8	-552.6	0.00	-0.00	-0.01
11	70	-220.7	1494.2	-584.9	0.00	0.80	1.82
	47	137.3	-1146.9	584.9	-0.00	0.00	-0.02
12	70	-220.7	1494.2	609.1	-0.00	-0.83	1.82
	47	137.3	-1146.9	-609.1	0.00	-0.00	-0.02
13	70	-220.7	919.5	-648.2	0.00	0.88	1.02
	47	137.3	-572.2	648.2	-0.00	0.00	-0.01
14	70	-220.7	919.5	545.9	-0.00	-0.74	1.03
	47	137.3	-572.2	-545.9	0.00	-0.00	-0.01
15	70	-220.7	488.5	-671.7	0.00	0.92	0.43
	47	137.3	-141.2	671.7	-0.00	0.00	-0.00
16	70	-220.7	488.5	522.3	-0.00	-0.71	0.43
	47	137.3	-141.2	-522.3	0.00	-0.00	-0.00
17	70	-220.7	919.5	-619.1	0.00	0.84	1.02
	47	137.3	-572.2	619.1	-0.00	0.00	-0.01
18	70	-220.7	919.5	575.0	-0.00	-0.78	1.03
	47	137.3	-572.2	-575.0	0.00	-0.00	-0.01
19	70	-220.7	1264.3	-1002.7	0.00	1.37	1.50
	47	137.3	-917.0	1002.7	-0.00	0.00	-0.01
20	70	-220.7	1264.3	987.4	-0.00	-1.35	1.50
	47	137.3	-917.0	-987.4	0.00	-0.00	-0.02
21	70	-220.7	919.5	-1040.6	0.00	1.42	1.02
	47	137.3	-572.2	1040.6	-0.00	0.00	-0.01
22	70	-220.7	919.5	949.5	-0.00	-1.29	1.03
	47	137.3	-572.2	-949.5	0.00	-0.00	-0.01

	70	-220.7	660.9	-1054.8	0.00	1.44	0.67
	47	137.3	-313.6	1054.8	-0.00	0.00	-0.00
24	70	-220.7	660.9	935.3	-0.00	-1.27	0.67
	47	137.3	-313.6	-935.3	0.00	-0.00	-0.01
25	70	-220.7	919.5	-1023.2	0.00	1.39	1.02
	47	137.3	-572.2	1023.2	-0.00	0.00	-0.01
26	70	-220.7	919.5	966.9	-0.00	-1.32	1.03
	47	137.3	-572.2	-966.9	0.00	-0.00	-0.01
27	70	-256.5	899.5	-85.5	0.00	0.12	1.05
	47	192.4	-632.4	85.5	-0.00	0.00	-0.01
28	70	-261.8	897.3	-143.6	0.00	0.20	1.05
	47	197.7	-630.2	143.6	-0.00	0.00	-0.01
29	70	-217.3	891.3	36.6	0.00	-0.05	1.04
	47	153.2	-624.1	-36.6	-0.00	0.00	-0.01
30	70	-197.7	878.3	-13.8	-0.00	0.02	1.02
	47	133.6	-611.2	13.8	-0.00	0.00	-0.01
31	70	-162.0	868.6	69.5	-0.00	-0.09	1.01
	47	97.9	-601.5	-69.5	0.00	-0.00	-0.01
32	70	-167.3	866.4	11.3	-0.00	-0.02	1.01
	47	103.2	-599.3	-11.3	0.00	-0.00	-0.01
33	70	-234.8	883.9	-157.3	0.00	0.21	1.03
	47	170.7	-616.8	157.3	0.00	0.00	-0.01
34	70	-206.5	874.6	-110.8	-0.00	0.15	1.02
	47	142.4	-607.5	110.8	0.00	0.00	-0.01
35	70	-157.6	656.5	-26.2	0.00	0.04	0.72
	47	93.5	-389.4	26.2	-0.00	0.00	-0.01
36	70	-103.2	660.0	4.4	0.00	-0.01	0.72
	47	39.1	-392.9	-4.4	0.00	0.00	-0.01
37	70	-103.2	430.1	-21.0	0.00	0.03	0.41
	47	39.1	-163.0	21.0	-0.00	-0.00	-0.00
38	70	-103.2	257.7	-30.4	0.00	0.04	0.17
	47	39.1	9.4	30.4	-0.00	0.00	-0.00
39	70	-103.2	430.1	-9.3	0.00	0.01	0.41
	47	39.1	-163.0	9.3	-0.00	-0.00	-0.00
40	70	-103.2	430.1	-413.4	0.00	0.56	0.41
	47	39.1	-163.0	413.4	-0.00	0.00	-0.00
41	70	-103.2	430.1	382.6	-0.00	-0.52	0.41
	47	39.1	-163.0	-382.6	0.00	-0.00	-0.00
42	70	-211.9	883.0	-37.1	0.00	0.05	1.03
	47	147.8	-615.8	37.1	-0.00	0.00	-0.01
43	70	-258.0	898.2	-81.7	0.00	0.11	1.05
	47	193.9	-631.1	81.7	-0.00	0.00	-0.01
44	70	-253.2	896.2	-141.6	0.00	0.19	1.05
	47	189.1	-629.1	141.6	-0.00	0.00	-0.01
45	70	-233.0	890.7	40.5	0.00	-0.06	1.04
	47	168.9	-623.6	-40.5	-0.00	0.00	-0.01
46	70	-206.8	882.1	85.2	0.00	-0.12	1.03
	47	142.7	-615.0	-85.2	-0.00	0.00	-0.01
47	70	-170.6	869.7	67.5	-0.00	-0.09	1.01
	47	106.5	-602.6	-67.5	0.00	0.00	-0.01
48	70	-165.8	867.7	7.5	-0.00	-0.01	1.01
	47	101.7	-600.5	-7.5	0.00	0.00	-0.01
49	70	-217.0	883.8	-159.4	0.00	0.22	1.03
	47	152.9	-616.7	159.4	-0.00	0.00	-0.01
50	70	-190.8	875.2	-114.7	-0.00	0.16	1.02
	47	126.7	-608.1	114.7	-0.00	0.00	-0.01

	70	-140.8	442.6	-51.6	0.00	0.07	0.42
	47	76.7	-175.5	51.6	-0.00	0.00	-0.00
52	70	-136.9	440.9	-99.9	0.00	0.14	0.42
	47	72.8	-173.8	99.9	-0.00	0.00	-0.00
53	70	-120.4	436.4	46.9	0.00	-0.06	0.42
	47	56.3	-169.3	-46.9	-0.00	0.00	-0.00
54	70	-99.1	429.5	83.1	0.00	-0.11	0.41
	47	34.9	-162.3	-83.1	0.00	-0.00	-0.00
55	70	-69.6	419.4	69.1	-0.00	-0.09	0.39
	47	5.5	-152.3	-69.1	0.00	-0.00	-0.00
56	70	-65.7	417.7	20.8	-0.00	-0.03	0.39
	47	1.6	-150.6	-20.8	0.00	0.00	-0.00
57	70	-107.4	430.8	-113.9	0.00	0.16	0.41
	47	43.3	-163.7	113.9	0.00	0.00	-0.00
58	70	-86.1	423.9	-77.7	-0.00	0.11	0.40
	47	21.9	-156.7	77.7	0.00	0.00	-0.00
1	193	-766.6	3852.3	103.5	-1.55	-0.12	0.34
	163	-481.4	1347.7	-103.5	1.55	-0.05	1.72
2	193	-930.7	4256.0	336.0	-3.05	-0.41	0.32
	163	-317.3	944.0	-336.0	3.05	-0.14	2.41
3	193	50.9	6593.3	-2169.0	-2.18	-0.07	3.65
	163	-1298.9	-1393.3	2169.0	2.18	3.64	2.92
4	193	664.8	6330.3	-2870.5	-1.35	0.79	3.71
	163	-1912.8	-1130.3	2707.3	1.35	3.80	2.43
5	193	1335.3	4876.8	-3120.3	-0.82	1.30	2.25
	163	-2583.3	323.2	3120.3	0.82	3.83	1.50
6	193	1241.9	5318.2	-2474.9	-1.44	0.44	2.42
	163	-2489.9	-118.2	2572.8	1.44	3.71	2.05
7	193	-3054.6	3911.5	3868.5	-5.48	-2.21	-1.27
	163	1806.6	1288.5	-3868.5	5.48	-4.15	3.42
8	193	-2440.7	3648.5	3167.1	-4.66	-1.35	-1.21
	163	1192.7	1551.5	-3330.2	4.66	-3.99	2.94
9	193	-1770.2	2195.0	2917.3	-4.12	-0.84	-2.67
	163	522.2	3005.0	-2917.3	4.12	-3.96	2.00
10	193	-1863.6	2636.4	3562.6	-4.74	-1.70	-2.50
	163	615.6	2563.6	-3464.7	4.74	-4.08	2.56
11	193	-247.8	7055.7	-1942.8	-1.95	-0.42	4.25
	163	-1000.2	-1855.7	1942.8	1.95	3.61	3.09
12	193	-3353.4	4373.9	4094.8	-5.25	-2.56	-0.67
	163	2105.4	826.1	-4094.8	5.25	-4.18	3.59
13	193	775.3	6617.4	-3111.8	-0.57	1.01	4.34
	163	-2023.3	-1417.4	2839.9	0.57	3.88	2.27
14	193	-2330.2	3935.6	2925.8	-3.87	-1.13	-0.58
	163	1082.2	1264.4	-3197.7	3.87	-3.91	2.77
15	193	1892.8	4194.9	-3528.1	0.32	1.88	1.91
	163	-3140.8	1005.1	3528.1	-0.32	3.93	0.72
16	193	-1212.7	1513.1	2509.4	-2.99	-0.26	-3.01
	163	-35.3	3686.9	-2509.4	2.99	-3.87	1.22
17	193	1737.1	4930.6	-2452.5	-0.71	0.44	2.20
	163	-2985.1	269.4	2615.7	0.71	3.73	1.64
18	193	-1368.4	2248.8	3585.0	-4.02	-1.71	-2.72
	163	120.4	2951.2	-3421.8	4.02	-4.06	2.14
19	193	1168.1	7285.4	-4297.8	-0.32	0.79	5.30
	163	-2416.1	-2085.4	4297.8	0.32	6.29	2.41
20	193	-4007.7	2815.7	5764.8	-5.83	-2.78	-2.89

	163	2759.7	2384.3	-5764.8	5.83	-6.70	3.25
21	193	1782.0	7022.4	-4999.2	0.50	1.64	5.36
	163	-3030.0	-1822.4	4836.1	-0.50	6.45	1.92
22	193	-3393.9	2552.7	5063.4	-5.01	-1.92	-2.84
	163	2145.9	2647.3	-5226.5	5.01	-6.54	2.76
23	193	2452.5	5568.9	-5249.0	1.04	2.16	3.90
	163	-3700.5	-368.9	5249.0	-1.04	6.47	0.98
24	193	-2723.3	1099.3	4813.6	-4.47	-1.40	-4.30
	163	1475.3	4100.7	-4813.6	4.47	-6.52	1.83
25	193	2359.1	6010.3	-4603.7	0.42	1.30	4.07
	163	-3607.1	-810.3	4701.6	-0.42	6.36	1.54
26	193	-2816.8	1540.7	5458.9	-5.09	-2.27	-4.12
	163	1568.8	3659.3	-5361.0	5.09	-6.63	2.38
27	193	613.3	1187.1	-284.3	-2.06	0.50	-1.95
	163	-1573.3	2812.9	284.3	2.06	0.01	0.60
28	193	1123.9	1478.9	-1670.2	-1.79	2.15	-1.58
	163	-2083.9	2521.1	1670.2	1.79	0.65	0.73
29	193	-1071.7	2213.4	2180.7	-2.54	-2.55	-0.93
	163	111.7	1786.6	-2180.7	2.54	-1.03	1.24
30	193	-1154.3	3871.3	597.8	-2.23	-0.77	0.94
	163	194.3	128.7	-597.8	2.23	-0.23	2.14
31	193	-2498.8	5092.2	2138.8	-2.53	-2.72	2.21
	163	1538.8	-1092.2	-2138.8	2.53	-0.84	2.87
32	193	-1988.2	5384.0	752.9	-2.27	-1.07	2.59
	163	1028.2	-1384.0	-752.9	2.27	-0.21	3.00
33	193	630.4	3186.2	-2439.0	-1.65	2.95	0.31
	163	-1590.4	813.8	2439.0	1.65	1.09	1.68
34	193	-303.2	4357.8	-1712.1	-1.79	1.98	1.56
	163	-656.8	-357.8	1712.1	1.79	0.83	2.36
35	193	-632.8	3151.0	156.8	-1.66	-0.19	0.32
	163	-327.2	849.0	-156.8	1.66	-0.07	1.57
36	193	-958.9	3680.7	421.9	-1.68	-0.58	0.91
	163	-1.1	319.3	-421.9	1.68	-0.11	1.85
37	193	-549.6	3505.4	-45.8	-1.13	-0.01	0.95
	163	-410.4	494.6	-63.0	1.13	-0.00	1.52
38	193	-102.6	2536.4	-212.3	-0.77	0.33	-0.02
	163	-857.4	1463.6	212.3	0.77	0.01	0.90
39	193	-164.9	2830.6	217.9	-1.19	-0.24	0.09
	163	-795.1	1169.4	-152.7	1.19	-0.06	1.27
40	193	457.1	3910.4	-1933.2	-0.06	0.62	1.97
	163	-1417.1	89.6	1933.2	0.06	2.56	1.17
41	193	-1613.2	2122.5	2091.8	-2.26	-0.81	-1.31
	163	653.2	1877.5	-2091.8	2.26	-2.63	1.51
42	193	-687.4	3285.6	234.3	-2.16	-0.29	0.32
	163	-272.6	714.4	-234.3	2.16	-0.10	1.80
43	193	525.7	1304.2	-288.2	-2.07	0.50	-1.83
	163	-1485.7	2695.8	288.2	2.07	0.02	0.68
44	193	1051.3	1595.0	-1739.4	-1.79	2.22	-1.46
	163	-2011.3	2405.0	1739.4	1.79	0.68	0.80
45	193	-1120.7	2250.2	2278.5	-2.55	-2.67	-0.90
	163	160.7	1749.8	-2278.5	2.55	-1.07	1.28
46	193	-2006.3	3351.8	3027.4	-2.69	-3.66	0.28
	163	1046.3	648.2	-3027.4	2.69	-1.34	1.91
47	193	-2426.2	4976.2	2208.1	-2.53	-2.80	2.09
	163	1466.2	-976.2	-2208.1	2.53	-0.88	2.80
48	193	-1900.6	5266.9	756.9	-2.26	-1.07	2.47

	163	940.6	-1266.9	-756.9	2.26	-0.21	2.92
49	193	631.4	3219.3	-2558.8	-1.64	3.08	0.35
	163	-1591.4	780.7	2558.8	1.64	1.14	1.68
50	193	-254.1	4320.9	-1809.9	-1.78	2.10	1.53
	163	-705.9	-320.9	1809.9	1.78	0.88	2.32
51	193	410.0	1401.7	-336.9	-1.08	0.53	-1.42
	163	-1370.0	2598.3	336.9	1.08	0.05	0.43
52	193	832.2	1637.3	-1501.2	-0.86	1.92	-1.12
	163	-1792.2	2362.7	1501.2	0.86	0.59	0.52
53	193	-921.9	2174.8	1720.3	-1.47	-2.00	-0.65
	163	-38.1	1825.2	-1720.3	1.47	-0.82	0.92
54	193	-1641.4	3072.9	2319.4	-1.59	-2.80	0.31
	163	681.4	927.1	-2319.4	1.59	-1.03	1.43
55	193	-1988.3	4395.6	1659.9	-1.46	-2.11	1.78
	163	1028.3	-395.6	-1659.9	1.46	-0.66	2.16
56	193	-1566.2	4631.1	495.6	-1.24	-0.72	2.08
	163	606.2	-631.1	-495.6	1.24	-0.13	2.25
57	193	485.2	2959.9	-2160.7	-0.74	2.61	0.36
	163	-1445.2	1040.0	2160.7	0.74	0.96	1.25
58	193	-234.3	3858.1	-1561.6	-0.85	1.82	1.32
	163	-725.7	141.9	1561.6	0.85	0.75	1.77
1	163	590.0	-1799.9	-415.9	-1.55	0.05	-1.71
	133	-1838.0	6999.9	415.9	1.55	0.63	-5.53
2	163	819.6	-3036.6	-818.1	-3.05	0.14	-2.39
	133	-2067.6	8236.6	818.1	3.05	1.20	-6.88
3	163	1801.2	-1532.1	5308.4	-2.18	-3.64	-2.89
	133	-3049.2	6732.1	-5308.4	2.18	-5.09	-3.90
4	163	2415.0	-962.4	4779.0	-1.35	-3.80	-2.41
	133	-3663.0	6162.4	-4942.1	1.35	-4.19	-3.45
5	163	3085.5	-1791.3	4503.4	-0.82	-3.83	-1.48
	133	-4333.5	6991.3	-4503.4	0.82	-3.58	-5.74
6	163	2992.1	-1974.4	5009.5	-1.44	-3.71	-2.03
	133	-4240.1	7174.4	-4911.6	1.44	-4.45	-5.49
7	163	-1304.4	-4213.9	-6054.0	-5.48	4.15	-3.41
	133	56.4	9413.9	6054.0	5.48	5.81	-7.81
8	163	-690.5	-3644.1	-6583.4	-4.66	3.99	-2.92
	133	-557.5	8844.1	6420.3	4.66	6.71	-7.35
9	163	-20.0	-4473.1	-6859.0	-4.12	3.96	-2.00
	133	-1228.0	9673.1	6859.0	4.12	7.32	-9.64
10	163	-113.4	-4656.2	-6352.9	-4.74	4.08	-2.55
	133	-1134.6	9856.2	6450.8	4.74	6.45	-9.39
11	163	1305.5	-804.7	5806.4	-1.95	-3.61	-3.06
	133	-2553.5	6004.7	-5806.4	1.95	-5.94	-2.54
12	163	-1800.0	-3486.5	-5556.0	-5.25	4.18	-3.57
	133	552.0	8686.5	5556.0	5.25	4.96	-6.44
13	163	2328.7	144.9	4923.9	-0.57	-3.88	-2.26
	133	-3576.7	5055.1	-5195.9	0.57	-4.44	-1.78
14	163	-776.8	-2536.9	-6438.5	-3.87	3.91	-2.77
	133	-471.2	7736.9	6166.5	3.87	6.46	-5.68
15	163	3446.2	-1236.7	4464.7	0.32	-3.93	-0.71
	133	-4694.2	6436.7	-4464.7	-0.32	-3.42	-5.60
16	163	340.7	-3918.5	-6897.7	-2.99	3.87	-1.22
	133	-1588.7	9118.5	6897.7	2.99	7.48	-9.50
17	163	3290.5	-1541.9	5308.2	-0.71	-3.73	-1.63
	133	-4538.5	6741.9	-5145.0	0.71	-4.87	-5.19

	163	185.0	-4223.7	-6054.2	-4.02	4.06	-2.14
	133	-1433.0	9423.7	6217.4	4.02	6.04	-9.09
19	163	2721.5	-19.9	9297.0	-0.32	-6.29	-2.39
	133	-3969.5	5219.8	-9297.0	0.32	-9.01	-1.93
20	163	-2454.3	-4489.5	-9640.4	-5.83	6.70	-3.24
	133	1206.3	9689.5	9640.4	5.83	9.16	-8.43
21	163	3335.4	549.9	8767.5	0.50	-6.45	-1.90
	133	-4583.4	4650.1	-8930.7	-0.50	-8.11	-1.47
22	163	-1840.5	-3919.7	-10169.8	-5.01	6.54	-2.76
	133	592.5	9119.7	10006.7	5.01	10.06	-7.97
23	163	4005.9	-279.0	8492.0	1.04	-6.47	-0.97
	133	-5253.9	5479.0	-8492.0	-1.04	-7.50	-3.76
24	163	-1170.0	-4748.7	-10445.4	-4.47	6.52	-1.83
	133	-78.0	9948.7	10445.4	4.47	10.67	-10.26
25	163	3912.5	-462.2	8998.1	0.42	-6.36	-1.52
	133	-5160.5	5662.2	-8900.2	-0.42	-8.37	-3.51
26	163	-1263.4	-4931.8	-9939.3	-5.09	6.63	-2.38
	133	15.4	10131.8	10037.2	5.09	9.80	-10.02
27	163	2569.0	-3987.5	-1600.9	-2.06	-0.01	-0.59
	133	-3529.0	7987.5	1600.9	2.06	2.54	-9.25
28	163	3110.3	-3701.8	-2406.6	-1.79	-0.65	-0.72
	133	-4070.3	7701.8	2406.6	1.79	4.48	-8.66
29	163	376.3	-3111.8	338.9	-2.54	1.03	-1.23
	133	-1336.3	7111.8	-338.9	2.54	-1.59	-7.15
30	163	-59.8	-1599.3	-147.3	-2.23	0.23	-2.13
	133	-900.2	5599.3	147.3	2.23	0.05	-3.79
31	163	-1891.7	-533.1	1255.2	-2.53	0.84	-2.85
	133	931.7	4533.1	-1255.2	2.53	-2.78	-1.31
32	163	-1350.4	-247.5	449.4	-2.27	0.21	-2.98
	133	390.4	4247.5	-449.4	2.27	-0.84	-0.72
33	163	2180.5	-2159.5	-2347.1	-1.65	-1.09	-1.67
	133	-3140.5	6159.5	2347.1	1.65	4.88	-5.21
34	163	842.3	-1123.2	-1490.3	-1.79	-0.83	-2.34
	133	-1802.3	5123.2	1490.3	1.79	3.28	-2.82
35	163	532.7	-1705.3	-441.7	-1.66	0.07	-1.56
	133	-1492.7	5705.3	441.7	1.66	0.66	-4.53
36	163	75.4	-1183.9	-10.8	-1.68	0.11	-1.84
	133	-1035.4	5183.9	10.8	1.68	-0.09	-3.39
37	163	484.7	-804.1	-363.7	-1.13	0.00	-1.52
	133	-1444.7	4804.1	255.0	1.13	0.51	-3.09
38	163	931.7	-1356.7	-547.5	-0.77	-0.01	-0.90
	133	-1891.7	5356.7	547.5	0.77	0.92	-4.62
39	163	869.4	-1478.8	-210.0	-1.19	0.06	-1.27
	133	-1829.4	5478.8	275.3	1.19	0.34	-4.45
40	163	1491.4	-399.1	3479.8	-0.06	-2.56	-1.17
	133	-2451.4	4399.1	-3479.8	0.06	-3.16	-2.78
41	163	-579.0	-2186.9	-4095.1	-2.26	2.63	-1.51
	133	-381.0	6186.9	4095.1	2.26	4.10	-5.38
42	163	609.3	-2117.5	-575.7	-2.16	0.10	-1.79
	133	-1569.3	6117.5	575.7	2.16	0.85	-4.99
43	163	2431.8	-3889.3	-1585.4	-2.07	-0.02	-0.67
	133	-3391.8	7889.3	1585.4	2.07	2.52	-9.01
44	163	2981.6	-3601.4	-2413.5	-1.79	-0.68	-0.79
	133	-3941.6	7601.4	2413.5	1.79	4.53	-8.43
45	163	322.1	-3085.7	377.3	-2.55	1.07	-1.27
	133	-1282.1	7085.7	-377.3	2.55	-1.70	-7.07

	163	-936.4	-2108.9	1231.6	-2.69	1.34	-1.90
	133	-23.6	6108.9	-1231.6	2.69	-3.31	-4.83
47	163	-1763.0	-633.6	1262.1	-2.53	0.88	-2.79
	133	803.0	4633.6	-1262.1	2.53	-2.83	-1.54
48	163	-1213.2	-345.7	433.9	-2.26	0.21	-2.91
	133	253.2	4345.7	-433.9	2.26	-0.82	-0.96
49	163	2154.9	-2126.0	-2383.0	-1.64	-1.14	-1.67
	133	-3114.9	6126.0	2383.0	1.64	5.01	-5.14
50	163	896.5	-1149.3	-1528.8	-1.78	-0.88	-2.31
	133	-1856.5	5149.3	1528.8	1.78	3.40	-2.90
51	163	1941.1	-2737.0	-1125.9	-1.08	-0.05	-0.42
	133	-2901.1	6737.0	1125.9	1.08	1.82	-7.36
52	163	2383.2	-2504.0	-1788.9	-0.86	-0.59	-0.52
	133	-3343.1	6504.0	1788.9	0.86	3.43	-6.89
53	163	231.2	-2079.6	452.3	-1.47	0.82	-0.91
	133	-1191.2	6079.6	-452.3	1.47	-1.57	-5.78
54	163	-792.4	-1283.2	1142.2	-1.59	1.03	-1.43
	133	-167.6	5283.2	-1142.2	1.59	-2.87	-3.95
55	163	-1470.8	-82.1	1173.6	-1.46	0.66	-2.15
	133	510.8	4082.1	-1173.6	1.46	-2.49	-1.27
56	163	-1028.7	150.9	510.7	-1.24	0.13	-2.25
	133	68.7	3849.1	-510.7	1.24	-0.88	-0.80
57	163	1704.8	-1302.9	-1757.5	-0.74	-0.96	-1.24
	133	-2664.8	5302.9	1757.5	0.74	3.80	-4.21
58	163	681.2	-506.4	-1067.6	-0.85	-0.75	-1.76
	133	-1641.2	4506.4	1067.6	0.85	2.51	-2.38
1	133	-1802.8	7934.9	-301.5	0.10	0.70	5.95
	94	67.3	-703.6	301.5	-0.10	-0.01	3.94
2	133	-2158.8	9141.5	-559.8	0.33	1.32	7.18
	94	423.3	-1910.3	559.8	-0.33	-0.04	5.46
3	133	3069.1	10686.1	-4834.7	1.22	6.19	11.22
	94	-4804.6	-3454.9	4834.7	-1.22	4.87	4.96
4	133	5825.2	9856.4	-5291.5	1.03	6.92	10.14
	94	-7560.7	-2625.2	5099.2	-1.03	4.97	4.14
5	133	4895.5	7578.0	-5456.6	0.97	7.56	6.11
	94	-6631.0	-346.7	5456.6	-0.97	4.92	2.96
6	133	3857.5	8662.0	-5094.5	1.13	6.95	7.83
	94	-5593.0	-1430.8	5209.9	-1.13	4.84	3.72
7	133	-9229.9	11064.2	4422.0	-0.27	-5.12	8.80
	94	7494.4	-3832.9	-4422.0	0.27	-5.00	8.24
8	133	-6473.9	10234.5	3965.2	-0.46	-4.39	7.72
	94	4738.4	-3003.2	-4157.5	0.46	-4.90	7.42
9	133	-7403.5	7956.0	3800.1	-0.52	-3.75	3.69
	94	5668.0	-724.8	-3800.1	0.52	-4.95	6.24
10	133	-8441.5	9040.1	4162.2	-0.36	-4.36	5.41
	94	6706.0	-1808.8	-4046.8	0.36	-5.03	7.00
11	133	2632.7	11238.6	-4469.9	1.20	5.36	12.49
	94	-4368.2	-4007.3	4469.9	-1.20	4.86	4.95
12	133	-9666.4	11616.6	4786.8	-0.29	-5.95	10.07
	94	7930.9	-4385.4	-4786.8	0.29	-5.01	8.24
13	133	7226.1	9855.7	-5231.3	0.88	6.58	10.69
	94	-8961.6	-2624.5	4910.8	-0.88	5.03	3.58
14	133	-5072.9	10233.8	4025.4	-0.60	-4.73	8.28
	94	3337.4	-3002.5	-4345.9	0.60	-4.85	6.87
15	133	5676.7	6058.3	-5506.5	0.77	7.65	3.98

	94	-7412.2	1172.9	5506.5	-0.77	4.95	1.61
16	133	-6622.3	6436.4	3750.2	-0.71	-3.66	1.56
	94	4886.8	794.9	-3750.2	0.71	-4.92	4.90
17	133	3946.7	7865.1	-4903.0	1.04	6.62	6.83
	94	-5682.2	-633.8	5095.3	-1.04	4.82	2.89
18	133	-8352.3	8243.1	4353.7	-0.45	-4.69	4.42
	94	6616.8	-1011.9	-4161.4	0.45	-5.05	6.17
19	133	7346.8	9956.8	-7791.1	1.60	9.65	11.41
	94	-9082.3	-2725.5	7791.1	-1.60	8.17	3.10
20	133	-13151.6	10586.9	7636.7	-0.88	-9.20	7.38
	94	11416.1	-3355.6	-7636.7	0.88	-8.28	8.57
21	133	10102.8	9127.1	-8248.0	1.41	10.38	10.33
	94	-11838.3	-1895.8	8055.7	-1.41	8.27	2.28
22	133	-10395.6	9757.2	7179.9	-1.07	-8.47	6.30
	94	8660.1	-2525.9	-7372.2	1.07	-8.18	7.75
23	133	9173.2	6848.6	-8413.1	1.34	11.03	6.30
	94	-10908.7	382.6	8413.1	-1.34	8.22	1.10
24	133	-11325.2	7478.7	7014.8	-1.14	-7.82	2.27
	94	9589.7	-247.5	-7014.8	1.14	-8.23	6.57
25	133	8135.2	7932.7	-8051.0	1.50	10.41	8.02
	94	-9870.7	-701.4	8166.4	-1.50	8.15	1.86
26	133	-12363.2	8562.8	7376.9	-0.98	-8.44	3.98
	94	10627.7	-1331.5	-7261.5	0.98	-8.31	7.34
27	133	192.5	4320.1	-925.3	0.18	3.11	0.47
	94	-1527.5	1242.4	925.3	-0.18	0.06	3.05
28	133	1477.2	4015.3	-1178.2	0.05	2.04	-0.12
	94	-2812.2	1547.2	1178.2	-0.05	0.91	2.95
29	133	-2959.1	6565.1	-169.6	0.41	3.21	4.78
	94	1624.1	-1002.6	169.6	-0.41	-1.30	3.88
30	133	-2234.4	7676.6	-196.1	0.27	0.43	6.89
	94	899.4	-2114.1	196.1	-0.27	-0.18	4.31
31	133	-4529.4	9718.4	391.0	0.41	-0.19	10.81
	94	3194.4	-4155.9	-391.0	-0.41	-0.96	5.07
32	133	-3244.7	9413.6	138.2	0.28	-1.26	10.21
	94	1909.7	-3851.1	-138.2	-0.28	-0.11	4.96
33	133	1323.4	5549.2	-1012.4	-0.02	-0.36	2.80
	94	-2658.4	13.3	1012.4	0.02	1.55	3.53
34	133	-93.2	7168.7	-617.5	0.05	-1.36	5.90
	94	-1241.8	-1606.2	617.5	-0.05	1.25	4.13
35	133	-1407.5	6464.6	-307.5	0.15	0.72	4.93
	94	72.5	-902.1	307.5	-0.15	-0.02	3.50
36	133	-1903.2	7218.2	14.2	0.17	-0.01	6.41
	94	568.2	-1655.7	-14.2	-0.17	-0.03	3.75
37	133	-65.9	6665.0	-290.3	0.04	0.48	5.69
	94	-1269.1	-1102.5	162.1	-0.04	0.04	3.20
38	133	-685.6	5146.1	-400.4	-0.00	0.91	3.00
	94	-649.4	416.4	400.4	0.00	0.01	2.41
39	133	-1377.6	5868.8	-159.0	0.10	0.50	4.14
	94	42.6	-306.3	235.9	-0.10	-0.04	2.92
40	133	2810.9	5936.4	-3307.0	0.57	4.28	5.32
	94	-4145.9	-373.9	3307.0	-0.57	3.28	1.90
41	133	-5388.5	6188.4	2864.2	-0.42	-3.26	3.71
	94	4053.5	-625.9	-2864.2	0.42	-3.30	4.08
42	133	-1526.1	6866.9	-393.6	0.23	0.92	5.34
	94	191.1	-1304.4	393.6	-0.23	-0.02	4.01
43	133	74.4	4477.7	-903.4	0.41	3.08	0.77

	94	-1409.4	1084.8	903.4	-0.41	0.06	3.11
44	133	1412.3	4189.0	-1138.3	0.28	1.98	0.21
	94	-2747.3	1373.5	1138.3	-0.28	0.95	3.01
45	133	-3075.1	6588.0	-190.2	0.47	3.24	4.83
	94	1740.1	-1025.5	190.2	-0.47	-1.35	3.89
46	133	-4436.8	8108.0	186.1	0.40	2.27	7.74
	94	3101.8	-2545.5	-186.1	-0.40	-1.67	4.46
47	133	-4464.5	9544.7	351.1	0.18	-0.13	10.47
	94	3129.5	-3982.2	-351.1	-0.18	-1.00	5.00
48	133	-3126.6	9256.0	116.2	0.05	-1.23	9.91
	94	1791.6	-3693.5	-116.2	-0.05	-0.11	4.90
49	133	1384.5	5625.7	-973.3	0.06	-0.42	2.95
	94	-2719.6	-63.2	973.3	-0.06	1.62	3.56
50	133	22.9	7145.8	-596.9	-0.01	-1.39	5.86
	94	-1357.9	-1583.3	596.9	0.01	1.31	4.13
51	133	12.8	4115.7	-637.0	0.22	2.26	0.80
	94	-1347.8	1446.8	637.0	-0.22	0.06	2.26
52	133	1087.1	3881.1	-827.9	0.11	1.37	0.34
	94	-2422.1	1681.4	827.9	-0.11	0.78	2.18
53	133	-2527.7	5834.1	-56.5	0.27	2.37	4.10
	94	1192.7	-271.6	56.5	-0.27	-1.08	2.89
54	133	-3631.0	7072.5	250.1	0.21	1.59	6.47
	94	2296.0	-1510.0	-250.1	-0.21	-1.33	3.36
55	133	-3664.7	8243.7	385.1	0.03	-0.35	8.70
	94	2329.7	-2681.2	-385.1	-0.03	-0.79	3.80
56	133	-2590.4	8009.2	194.1	-0.07	-1.23	8.24
	94	1255.4	-2446.7	-194.1	0.07	-0.07	3.72
57	133	1053.3	5052.3	-693.0	-0.07	-0.57	2.57
	94	-2388.3	510.2	693.0	0.07	1.32	2.62
58	133	-49.9	6290.8	-386.4	-0.13	-1.35	4.94
	94	-1285.1	-728.3	386.4	0.13	1.06	3.09
1	94	76.3	104.9	-347.4	0.10	0.01	-3.94
	70	-1811.8	7126.4	347.4	-0.10	0.78	-4.10
2	94	267.9	-969.6	-662.4	0.33	0.04	-5.46
	70	-2003.4	8200.9	662.4	-0.33	1.48	-5.03
3	94	5495.8	-583.0	4560.0	1.22	-4.87	-4.95
	70	-7231.3	7814.3	-4560.0	-1.22	-5.56	-4.65
4	94	8251.9	-254.7	4155.3	1.03	-4.97	-4.14
	70	-9987.4	7485.9	-4347.6	-1.03	-4.76	-4.72
5	94	7322.2	-1664.6	3814.4	0.97	-4.92	-2.95
	70	-9057.7	8895.9	-3814.4	-0.97	-3.81	-9.13
6	94	6284.2	-1449.1	4155.3	1.13	-4.84	-3.72
	70	-8019.7	8680.3	-4039.9	-1.13	-4.53	-7.87
7	94	-6803.3	-205.0	-5039.7	-0.27	5.00	-8.24
	70	5067.8	7436.2	5039.7	0.27	6.53	-0.50
8	94	-4047.2	123.4	-5444.3	-0.46	4.90	-7.42
	70	2311.7	7107.9	5252.0	0.46	7.33	-0.57
9	94	-4976.8	-1286.6	-5785.2	-0.52	4.95	-6.24
	70	3241.3	8517.8	5785.2	0.52	8.29	-4.98
10	94	-6014.8	-1071.0	-5444.3	-0.36	5.03	-7.01
	70	4279.3	8302.3	5559.7	0.36	7.56	-3.72
11	94	4785.6	338.0	4999.2	1.20	-4.86	-4.95
	70	-6521.1	6893.3	-4999.2	-1.20	-6.57	-2.55
12	94	-7513.4	716.0	-4600.5	-0.29	5.01	-8.24
	70	5777.9	6515.2	4600.5	0.29	5.52	1.60

	94	9379.1	885.2	4324.7	0.88	-5.03	-3.58
	70	-11114.6	6346.1	-4645.2	-0.88	-5.24	-2.67
14	94	-2920.0	1263.2	-5274.9	-0.60	4.85	-6.87
	70	1184.5	5968.0	4954.4	0.60	6.86	1.49
15	94	7829.6	-1464.7	3756.5	0.77	-4.95	-1.61
	70	-9565.1	8696.0	-3756.5	-0.77	-3.65	-10.01
16	94	-4469.4	-1086.7	-5843.1	-0.71	4.92	-4.90
	70	2733.9	8317.9	5843.1	0.71	8.45	-5.86
17	94	6099.6	-1105.5	4324.7	1.04	-4.82	-2.89
	70	-7835.1	8336.7	-4132.4	-1.04	-4.86	-7.92
18	94	-6199.4	-727.4	-5274.9	-0.45	5.05	-6.17
	70	4463.9	7958.7	5467.2	0.45	7.24	-3.76
19	94	9499.7	-171.8	7917.3	1.60	-8.17	-3.10
	70	-11235.2	7403.0	-7917.3	-1.60	-9.94	-5.57
20	94	-10998.7	458.3	-8082.0	-0.88	8.28	-8.57
	70	9263.2	6772.9	8082.0	0.88	10.21	1.35
21	94	12255.8	156.5	7512.7	1.41	-8.27	-2.28
	70	-13991.3	7074.7	-7705.0	-1.41	-9.14	-5.64
22	94	-8242.6	786.6	-8486.7	-1.07	8.18	-7.75
	70	6507.1	6444.6	8294.4	1.07	11.02	1.28
23	94	11326.1	-1253.4	7171.7	1.34	-8.22	-1.09
	70	-13061.6	8484.7	-7171.7	-1.34	-8.19	-10.05
24	94	-9172.3	-623.3	-8827.6	-1.14	8.23	-6.57
	70	7436.8	7854.6	8827.6	1.14	11.97	-3.13
25	94	10288.1	-1037.9	7512.7	1.50	-8.15	-1.86
	70	-12023.6	8269.1	-7397.3	-1.50	-8.91	-8.79
26	94	-10210.3	-407.8	-8486.7	-0.98	8.31	-7.34
	70	8474.8	7639.0	8602.1	0.98	11.24	-1.87
27	94	2876.1	-2925.9	-2099.9	0.18	-0.06	-3.05
	70	-4211.1	8488.4	2099.9	-0.18	4.07	-10.01
28	94	4181.2	-3198.7	-978.3	0.05	-0.91	-2.95
	70	-5516.2	8761.2	978.3	-0.05	2.33	-10.74
29	94	-926.5	-900.4	-2656.0	0.41	1.30	-3.88
	70	-408.5	6462.9	2656.0	-0.41	4.58	-4.54
30	94	-705.5	108.2	-141.7	0.27	0.18	-4.31
	70	-629.5	5454.3	141.7	-0.27	0.39	-1.81
31	94	-3638.0	1951.7	50.0	0.41	0.96	-5.07
	70	2303.0	3610.8	-50.0	-0.41	-0.25	3.17
32	94	-2332.9	1678.9	1171.6	0.28	0.11	-4.96
	70	997.9	3883.6	-1171.6	-0.28	-1.99	2.44
33	94	3423.9	-1809.9	1082.7	-0.02	-1.55	-3.53
	70	-4758.9	7372.4	-1082.7	0.02	-1.21	-6.98
34	94	1469.7	-346.6	1727.6	0.05	-1.25	-4.13
	70	-2804.7	5909.1	-1727.6	-0.05	-2.50	-3.02
35	94	207.7	-265.3	-359.2	0.15	0.02	-3.50
	70	-1542.7	5827.8	359.2	-0.15	0.81	-3.47
36	94	-470.5	476.6	27.5	0.17	0.03	-3.75
	70	-864.5	5085.9	-27.5	-0.17	-0.09	-1.53
37	94	1366.8	695.5	-242.3	0.04	-0.04	-3.20
	70	-2701.8	4867.0	114.1	-0.04	0.45	-1.57
38	94	747.1	-244.5	-469.6	-0.00	-0.01	-2.41
	70	-2082.1	5807.0	469.6	0.00	1.08	-4.51
39	94	55.1	-100.8	-242.3	0.10	0.04	-2.92
	70	-1390.1	5663.3	319.2	-0.10	0.60	-3.67
40	94	4243.6	-33.2	2945.7	0.57	-3.28	-1.89
	70	-5578.6	5595.7	-2945.7	-0.57	-3.46	-4.55

	94	-3955.8	218.9	-3454.1	-0.42	3.30	-4.09
	70	2620.8	5343.6	3454.1	0.42	4.61	-1.78
42	94	271.6	-623.5	-464.2	0.23	0.02	-4.01
	70	-1606.6	6186.0	464.2	-0.23	1.04	-3.78
43	94	2686.2	-2786.7	-2115.3	0.41	-0.06	-3.11
	70	-4021.2	8349.2	2115.3	-0.41	4.05	-9.63
44	94	4039.2	-3044.9	-941.2	0.28	-0.95	-3.01
	70	-5374.2	8607.4	941.2	-0.28	2.23	-10.32
45	94	-1056.1	-880.8	-2740.2	0.47	1.35	-3.89
	70	-278.9	6443.3	2740.2	-0.47	4.69	-4.49
46	94	-2910.8	494.6	-2101.8	0.40	1.67	-4.46
	70	1575.8	5067.9	2101.8	-0.40	3.43	-0.78
47	94	-3496.1	1797.9	12.9	0.18	1.00	-5.00
	70	2161.1	3764.6	-12.9	-0.18	-0.16	2.75
48	94	-2143.1	1539.7	1186.9	0.05	0.11	-4.90
	70	808.1	4022.8	-1186.9	-0.05	-1.97	2.06
49	94	3453.9	-1741.5	1173.4	0.06	-1.62	-3.56
	70	-4788.9	7304.0	-1173.4	-0.06	-1.36	-6.79
50	94	1599.2	-366.2	1811.8	-0.01	-1.31	-4.12
	70	-2934.2	5928.7	-1811.8	0.01	-2.62	-3.07
51	94	2110.2	-1669.9	-1588.3	0.22	-0.06	-2.26
	70	-3445.2	7232.4	1588.3	-0.22	3.01	-7.93
52	94	3196.9	-1879.7	-644.9	0.11	-0.78	-2.18
	70	-4531.9	7442.2	644.9	-0.11	1.55	-8.49
53	94	-914.5	-117.7	-2085.1	0.27	1.08	-2.89
	70	-420.5	5680.2	2085.1	-0.27	3.52	-3.74
54	94	-2420.3	1002.8	-1567.7	0.21	1.33	-3.36
	70	1085.3	4559.7	1567.7	-0.21	2.49	-0.72
55	94	-2909.2	2065.4	136.5	0.03	0.79	-3.80
	70	1574.2	3497.1	-136.5	-0.03	-0.41	2.16
56	94	-1822.4	1855.5	1079.9	-0.07	0.07	-3.72
	70	487.4	3707.0	-1079.9	0.07	-1.86	1.60
57	94	2708.0	-817.2	1059.3	-0.07	-1.32	-2.62
	70	-4043.0	6379.7	-1059.3	0.07	-1.34	-5.61
58	94	1202.2	303.4	1576.7	-0.13	-1.06	-3.09
	70	-2537.2	5259.1	-1576.7	0.13	-2.37	-2.58
1	192	-158.7	610.9	-38.5	0.02	0.06	0.09
	162	58.1	-191.5	38.5	-0.02	0.00	0.57
2	192	-349.9	1627.4	-71.7	0.09	0.11	0.28
	162	249.3	-1208.1	71.7	-0.09	0.01	2.05
3	192	-1668.4	2124.9	-229.0	0.13	0.23	0.36
	162	1567.8	-1705.6	229.0	-0.13	0.15	2.79
4	192	-1510.2	1606.6	-283.2	0.10	0.31	0.26
	162	1409.6	-1187.3	283.2	-0.10	0.15	2.03
5	192	-1332.7	1200.7	-320.3	0.07	0.38	0.19
	162	1232.0	-781.4	320.3	-0.07	0.15	1.44
6	192	-1475.3	1593.8	-271.7	0.10	0.30	0.26
	162	1374.7	-1174.5	271.7	-0.10	0.15	2.02
7	192	613.9	2186.0	190.2	0.13	-0.18	0.41
	162	-714.5	-1766.6	-190.2	-0.13	-0.13	2.84
8	192	772.1	1667.6	136.0	0.09	-0.10	0.31
	162	-872.7	-1248.3	-136.0	-0.09	-0.13	2.09
9	192	949.6	1261.8	99.0	0.06	-0.04	0.23
	162	-1050.3	-842.4	-99.0	-0.06	-0.13	1.50
10	192	807.0	1654.8	147.6	0.09	-0.11	0.31

	162	-907.7	-1235.5	-147.6	-0.09	-0.13	2.07
11	192	-1691.1	1968.7	-177.5	0.12	0.15	0.33
	162	1590.5	-1549.3	177.5	-0.12	0.14	2.56
12	192	591.2	2029.7	241.7	0.12	-0.26	0.38
	162	-691.8	-1610.4	-241.7	-0.12	-0.14	2.61
13	192	-1427.4	1104.8	-267.8	0.06	0.29	0.17
	162	1326.8	-685.4	267.8	-0.06	0.15	1.30
14	192	854.9	1165.8	151.4	0.06	-0.12	0.22
	162	-955.5	-746.5	-151.4	-0.06	-0.13	1.35
15	192	-1131.5	428.3	-329.6	0.01	0.39	0.04
	162	1030.8	-9.0	329.6	-0.01	0.15	0.32
16	192	1150.8	489.4	89.7	0.01	-0.02	0.09
	162	-1251.5	-70.0	-89.7	-0.01	-0.13	0.37
17	192	-1369.2	1083.4	-248.7	0.06	0.27	0.16
	162	1268.5	-664.1	248.7	-0.06	0.14	1.27
18	192	913.1	1144.5	170.6	0.06	-0.14	0.21
	162	-1013.8	-725.1	-170.6	-0.06	-0.14	1.33
19	192	-2333.6	1596.3	-352.2	0.10	0.34	0.25
	162	2233.0	-1177.0	352.2	-0.10	0.24	2.03
20	192	1470.2	1698.0	346.6	0.09	-0.34	0.33
	162	-1570.9	-1278.7	-346.6	-0.09	-0.23	2.12
21	192	-2175.4	1078.0	-406.4	0.06	0.43	0.15
	162	2074.8	-658.6	406.4	-0.06	0.24	1.28
22	192	1628.4	1179.7	292.4	0.05	-0.26	0.23
	162	-1729.1	-760.3	-292.4	-0.05	-0.22	1.36
23	192	-1997.8	672.1	-443.4	0.03	0.49	0.08
	162	1897.2	-252.8	443.4	-0.03	0.24	0.69
24	192	1806.0	773.8	255.4	0.03	-0.20	0.15
	162	-1906.6	-354.5	-255.4	-0.03	-0.22	0.77
25	192	-2140.5	1065.2	-394.9	0.06	0.41	0.15
	162	2039.8	-645.8	394.9	-0.06	0.24	1.26
26	192	1663.4	1166.9	303.9	0.05	-0.27	0.23
	162	-1764.0	-747.6	-303.9	-0.05	-0.23	1.35
27	192	-296.5	1069.5	-145.5	0.06	0.23	0.18
	162	219.0	-746.9	145.5	-0.06	0.02	1.31
28	192	-459.0	1077.4	-244.1	0.06	0.35	0.18
	162	381.6	-754.8	244.1	-0.06	0.06	1.32
29	192	-14.8	1096.8	70.5	0.07	-0.07	0.20
	162	-62.6	-774.2	-70.5	-0.07	-0.05	1.35
30	192	-206.8	1141.2	-7.2	0.06	0.01	0.20
	162	129.4	-818.7	7.2	-0.06	-0.00	1.41
31	192	-33.5	1173.8	143.1	0.07	-0.20	0.21
	162	-43.9	-851.3	-143.1	-0.07	-0.04	1.46
32	192	-196.0	1181.7	44.5	0.07	-0.08	0.21
	162	118.6	-859.2	-44.5	-0.07	-0.00	1.47
33	192	-556.5	1123.1	-258.1	0.06	0.35	0.18
	162	479.1	-800.5	258.1	-0.06	0.08	1.39
34	192	-477.6	1154.4	-171.5	0.06	0.22	0.19
	162	400.2	-831.9	171.5	-0.06	0.06	1.44
35	192	-182.5	786.7	-39.4	0.04	0.06	0.13
	162	105.1	-464.2	39.4	-0.04	0.01	0.90
36	192	-237.0	799.9	6.5	0.04	-0.01	0.13
	162	159.6	-477.3	-6.5	-0.04	0.00	0.92
37	192	-131.6	454.3	-29.6	0.02	0.04	0.07
	162	54.1	-131.8	29.6	-0.02	0.01	0.41
38	192	-13.2	183.8	-54.3	-0.00	0.08	0.02

	162	-64.2	138.8	54.3	0.00	0.00	0.02
39	192	-108.3	445.8	-21.9	0.02	0.03	0.07
	162	30.8	-123.2	21.9	-0.02	0.00	0.40
40	192	-879.5	427.5	-168.1	0.02	0.18	0.05
	162	802.1	-105.0	168.1	-0.02	0.10	0.39
41	192	642.0	468.2	111.4	0.01	-0.09	0.08
	162	-719.4	-145.7	-111.4	-0.01	-0.09	0.42
42	192	-246.2	1125.6	-50.5	0.06	0.08	0.20
	162	168.8	-803.0	50.5	-0.06	0.01	1.39
43	192	-297.7	1073.0	-143.2	0.06	0.22	0.18
	162	220.3	-750.5	143.2	-0.06	0.02	1.32
44	192	-467.4	1080.6	-245.9	0.06	0.35	0.18
	162	390.0	-758.1	245.9	-0.06	0.06	1.33
45	192	-4.4	1098.3	77.5	0.07	-0.07	0.20
	162	-73.1	-775.7	-77.5	-0.07	-0.05	1.35
46	192	77.4	1127.5	164.0	0.07	-0.20	0.21
	162	-154.9	-805.0	-164.0	-0.07	-0.07	1.39
47	192	-25.1	1170.5	144.9	0.07	-0.20	0.21
	162	-52.3	-848.0	-144.9	-0.07	-0.04	1.45
48	192	-194.7	1178.2	42.2	0.07	-0.07	0.21
	162	117.3	-855.6	-42.2	-0.07	-0.00	1.47
49	192	-569.9	1123.7	-264.9	0.06	0.35	0.18
	162	492.5	-801.1	264.9	-0.06	0.08	1.39
50	192	-488.1	1152.9	-178.5	0.06	0.23	0.19
	162	410.7	-830.3	178.5	-0.06	0.07	1.43
51	192	-159.6	405.1	-103.3	0.01	0.16	0.06
	162	82.2	-82.5	103.3	-0.01	0.01	0.34
52	192	-295.7	411.2	-185.7	0.01	0.27	0.06
	162	218.3	-88.7	185.7	-0.01	0.05	0.35
53	192	75.4	425.7	74.0	0.02	-0.08	0.07
	162	-152.8	-103.1	-74.0	-0.02	-0.04	0.37
54	192	140.7	449.5	143.7	0.02	-0.18	0.08
	162	-218.1	-127.0	-143.7	-0.02	-0.06	0.40
55	192	58.2	484.5	129.0	0.02	-0.18	0.08
	162	-135.6	-162.0	-129.0	-0.02	-0.04	0.46
56	192	-77.9	490.7	46.6	0.02	-0.08	0.08
	162	0.5	-168.1	-46.6	-0.02	-0.01	0.47
57	192	-378.2	446.2	-200.4	0.01	0.27	0.06
	162	300.8	-123.7	200.4	-0.01	0.07	0.41
58	192	-312.9	470.1	-130.7	0.01	0.16	0.06
	162	235.5	-147.5	130.7	-0.01	0.05	0.44
1	162	159.1	-713.3	-27.6	0.02	-0.00	-0.57
	132	-259.7	1132.6	27.6	-0.02	0.05	-0.95
2	162	755.5	-2978.6	-48.2	0.09	-0.01	-2.05
	132	-856.2	3397.9	48.2	-0.09	0.09	-3.20
3	162	-563.0	-4147.1	171.4	0.13	-0.15	-2.80
	132	462.4	4566.4	-171.4	-0.13	-0.14	-4.37
4	162	-404.8	-2999.4	131.0	0.10	-0.15	-2.04
	132	304.2	3418.7	-131.0	-0.10	-0.06	-3.24
5	162	-227.2	-2155.8	84.9	0.07	-0.15	-1.45
	132	126.6	2575.1	-84.9	-0.07	0.01	-2.44
6	162	-369.9	-3012.2	127.1	0.10	-0.15	-2.02
	132	269.2	3431.5	-127.1	-0.10	-0.06	-3.28
7	162	1719.3	-4086.0	-172.0	0.13	0.13	-2.84
	132	-1819.9	4505.4	172.0	-0.13	0.15	-4.23

	162	1877.5	-2938.4	-212.3	0.09	0.13	-2.09
	132	-1978.1	3357.7	212.3	-0.09	0.22	-3.09
9	162	2055.1	-2094.7	-258.5	0.06	0.13	-1.49
	132	-2155.7	2514.1	258.5	-0.06	0.30	-2.30
10	162	1912.5	-2951.2	-216.2	0.09	0.13	-2.07
	132	-2013.1	3370.5	216.2	-0.09	0.22	-3.13
11	162	-979.5	-3773.1	213.6	0.12	-0.14	-2.57
	132	878.8	4192.4	-213.6	-0.12	-0.21	-3.98
12	162	1302.8	-3712.1	-129.7	0.12	0.14	-2.61
	132	-1403.5	4131.4	129.7	-0.12	0.08	-3.84
13	162	-715.8	-1860.3	146.3	0.06	-0.15	-1.31
	132	615.2	2279.7	-146.3	-0.06	-0.09	-2.10
14	162	1566.5	-1799.3	-197.0	0.06	0.13	-1.35
	132	-1667.1	2218.6	197.0	-0.06	0.20	-1.95
15	162	-419.9	-454.3	69.4	0.01	-0.15	-0.32
	132	319.2	873.6	-69.4	-0.01	0.03	-0.77
16	162	1862.4	-393.2	-273.9	0.01	0.13	-0.37
	132	-1963.1	812.6	273.9	-0.01	0.32	-0.63
17	162	-657.6	-1881.7	139.8	0.06	-0.14	-1.28
	132	556.9	2301.0	-139.8	-0.06	-0.09	-2.16
18	162	1624.8	-1820.6	-203.5	0.06	0.14	-1.32
	132	-1725.4	2240.0	203.5	-0.06	0.20	-2.02
19	162	-1622.0	-3034.8	296.1	0.10	-0.24	-2.04
	132	1521.4	3454.1	-296.1	-0.10	-0.25	-3.30
20	162	2181.9	-2933.1	-276.1	0.09	0.23	-2.12
	132	-2282.5	3352.4	276.1	-0.09	0.23	-3.06
21	162	-1463.8	-1887.1	255.7	0.06	-0.24	-1.28
	132	1363.1	2306.4	-255.7	-0.06	-0.18	-2.17
22	162	2340.1	-1785.4	-316.5	0.05	0.22	-1.36
	132	-2440.7	2204.7	316.5	-0.05	0.30	-1.92
23	162	-1286.2	-1043.5	209.6	0.03	-0.24	-0.69
	132	1185.6	1462.8	-209.6	-0.03	-0.10	-1.37
24	162	2517.6	-941.8	-362.6	0.03	0.22	-0.77
	132	-2618.3	1361.1	362.6	-0.03	0.37	-1.13
25	162	-1428.8	-1899.9	251.8	0.06	-0.24	-1.27
	132	1328.2	2319.2	-251.8	-0.06	-0.18	-2.20
26	162	2375.0	-1798.2	-320.4	0.05	0.23	-1.34
	132	-2475.6	2217.5	320.4	-0.05	0.30	-1.96
27	162	830.8	-1974.6	-127.6	0.06	-0.02	-1.31
	132	-908.2	2297.1	127.6	-0.06	0.22	-2.21
28	162	669.5	-1985.6	-143.0	0.06	-0.06	-1.32
	132	-746.9	2308.2	143.0	-0.06	0.27	-2.22
29	162	847.4	-1978.4	-38.4	0.07	0.05	-1.35
	132	-924.8	2300.9	38.4	-0.07	0.03	-2.17
30	162	431.3	-2011.1	-3.0	0.06	0.00	-1.42
	132	-508.7	2333.7	3.0	-0.06	0.01	-2.16
31	162	340.2	-2022.3	75.9	0.07	0.04	-1.46
	132	-417.7	2344.9	-75.9	-0.07	-0.15	-2.12
32	162	178.9	-2033.4	60.5	0.07	0.00	-1.47
	132	-256.3	2355.9	-60.5	-0.07	-0.09	-2.13
33	162	309.5	-2015.2	-89.8	0.06	-0.08	-1.39
	132	-386.9	2337.8	89.8	-0.06	0.20	-2.20
34	162	162.3	-2029.5	-28.7	0.06	-0.06	-1.44
	132	-239.8	2352.1	28.7	-0.06	0.09	-2.17
35	162	306.0	-1248.9	-26.7	0.04	-0.01	-0.90
	132	-383.5	1571.4	26.7	-0.04	0.05	-1.42

	162	-11.0	-1252.4	12.1	0.04	-0.00	-0.92
	132	-66.4	1575.0	-12.1	-0.04	-0.02	-1.41
37	162	94.5	-487.3	-14.8	0.02	-0.01	-0.41
	132	-171.9	809.9	14.8	-0.02	0.03	-0.66
38	162	212.8	75.1	-45.6	-0.00	-0.00	-0.02
	132	-290.2	247.5	45.6	0.00	0.08	-0.12
39	162	117.8	-495.9	-17.4	0.02	-0.00	-0.40
	132	-195.2	818.4	17.4	-0.02	0.03	-0.68
40	162	-653.5	-514.1	94.6	0.02	-0.10	-0.39
	132	576.1	836.7	-94.6	-0.02	-0.06	-0.72
41	162	868.0	-473.4	-134.3	0.01	0.09	-0.42
	132	-945.4	796.0	134.3	-0.01	0.13	-0.63
42	162	504.9	-2004.0	-33.6	0.06	-0.01	-1.39
	132	-582.3	2326.5	33.6	-0.06	0.06	-2.17
43	162	823.4	-1975.8	-124.9	0.06	-0.02	-1.32
	132	-900.8	2298.4	124.9	-0.06	0.21	-2.20
44	162	655.1	-1987.2	-139.0	0.06	-0.06	-1.33
	132	-732.5	2309.8	139.0	-0.06	0.27	-2.21
45	162	855.7	-1978.2	-39.5	0.07	0.05	-1.35
	132	-933.1	2300.8	39.5	-0.07	0.03	-2.17
46	162	715.1	-1991.7	19.5	0.07	0.07	-1.39
	132	-792.5	2314.2	-19.5	-0.07	-0.08	-2.14
47	162	354.7	-2020.7	71.9	0.07	0.04	-1.46
	132	-432.1	2343.2	-71.9	-0.07	-0.14	-2.13
48	162	186.3	-2032.1	57.7	0.07	0.00	-1.47
	132	-263.7	2354.6	-57.7	-0.07	-0.09	-2.14
49	162	294.6	-2016.3	-86.6	0.06	-0.08	-1.40
	132	-372.0	2338.8	86.6	-0.06	0.20	-2.20
50	162	154.0	-2029.7	-27.6	0.06	-0.07	-1.44
	132	-231.4	2352.3	27.6	-0.06	0.10	-2.17
51	162	365.0	-470.9	-94.2	0.01	-0.01	-0.34
	132	-442.4	793.4	94.2	-0.01	0.16	-0.70
52	162	230.0	-480.1	-105.7	0.01	-0.05	-0.35
	132	-307.4	802.7	105.7	-0.01	0.20	-0.71
53	162	389.4	-472.9	-24.8	0.02	0.04	-0.37
	132	-466.8	795.5	24.8	-0.02	0.01	-0.67
54	162	275.3	-483.9	23.3	0.02	0.06	-0.40
	132	-352.7	806.5	-23.3	-0.02	-0.08	-0.65
55	162	-15.5	-507.5	66.0	0.02	0.04	-0.45
	132	-61.9	830.0	-66.0	-0.02	-0.13	-0.64
56	162	-150.5	-516.7	54.6	0.02	0.01	-0.47
	132	73.1	839.3	-54.6	-0.02	-0.09	-0.65
57	162	-60.8	-503.7	-63.0	0.01	-0.07	-0.41
	132	-16.6	826.2	63.0	-0.01	0.15	-0.70
58	162	-174.9	-514.7	-14.9	0.01	-0.05	-0.44
	132	97.5	837.2	14.9	-0.01	0.06	-0.68
1	132	-320.6	1194.7	-20.1	0.00	0.04	1.11
	93	180.7	-611.6	20.1	-0.00	0.00	0.96
2	132	-822.0	3489.2	-35.8	0.01	0.08	3.69
	93	682.0	-2906.1	35.8	-0.01	0.00	3.63
3	132	-5651.9	4665.6	-130.4	0.01	0.17	5.07
	93	5512.0	-4082.5	130.4	-0.01	0.13	4.94
4	132	-5892.9	3495.2	-159.2	0.01	0.22	3.75
	93	5752.9	-2912.0	159.2	-0.01	0.14	3.58
5	132	-5891.9	2552.1	-185.1	0.00	0.28	2.64

	93	5752.0	-1969.0	185.1	-0.00	0.14	2.53
6	132	-5670.9	3447.2	-158.0	0.01	0.23	3.67
	93	5531.0	-2864.0	158.0	-0.01	0.13	3.56
7	132	4296.2	4725.2	120.4	0.01	-0.14	5.07
	93	-4436.2	-4142.0	-120.4	-0.01	-0.14	5.08
8	132	4055.3	3554.7	91.6	0.01	-0.08	3.75
	93	-4195.2	-2971.6	-91.6	-0.01	-0.13	3.72
9	132	4056.2	2611.7	65.8	0.00	-0.02	2.64
	93	-4196.2	-2028.5	-65.8	-0.00	-0.13	2.67
10	132	4277.2	3506.7	92.8	0.01	-0.07	3.66
	93	-4417.2	-2923.6	-92.8	-0.01	-0.14	3.70
11	132	-5305.1	4322.5	-102.1	0.01	0.10	4.71
	93	5165.2	-3739.4	102.1	-0.01	0.13	4.52
12	132	4643.0	4382.0	148.8	0.01	-0.20	4.70
	93	-4783.0	-3798.9	-148.8	-0.01	-0.14	4.66
13	132	-5706.7	2371.7	-150.1	0.00	0.20	2.51
	93	5566.8	-1788.6	150.1	-0.00	0.14	2.25
14	132	4241.4	2431.3	100.8	0.00	-0.10	2.50
	93	-4381.4	-1848.1	-100.8	-0.00	-0.13	2.39
15	132	-5705.2	800.0	-193.2	0.00	0.30	0.66
	93	5565.2	-216.9	193.2	-0.00	0.14	0.51
16	132	4243.0	859.5	57.7	-0.00	-0.00	0.65
	93	-4382.9	-276.4	-57.7	0.00	-0.13	0.65
17	132	-5336.8	2291.7	-148.1	0.00	0.21	2.36
	93	5196.9	-1708.6	148.1	-0.00	0.13	2.22
18	132	4611.4	2351.2	102.8	0.00	-0.09	2.36
	93	-4751.3	-1768.1	-102.8	-0.00	-0.14	2.36
19	132	-8717.3	3498.6	-206.2	0.01	0.25	3.78
	93	8577.3	-2915.4	206.2	-0.01	0.22	3.55
20	132	7863.0	3597.8	211.9	0.01	-0.26	3.78
	93	-8002.9	-3014.6	-211.9	-0.01	-0.23	3.79
21	132	-8958.2	2328.1	-235.0	0.01	0.31	2.46
	93	8818.3	-1744.9	235.0	-0.01	0.23	2.20
22	132	7622.0	2427.3	183.1	0.00	-0.20	2.46
	93	-7762.0	-1844.2	-183.1	-0.00	-0.22	2.43
23	132	-8957.3	1385.0	-260.9	0.00	0.37	1.36
	93	8817.4	-801.9	260.9	-0.00	0.23	1.15
24	132	7623.0	1484.3	157.2	-0.00	-0.14	1.35
	93	-7762.9	-901.1	-157.2	0.00	-0.22	1.38
25	132	-8736.3	2280.1	-233.8	0.01	0.31	2.38
	93	8596.3	-1696.9	233.8	-0.01	0.22	2.17
26	132	7844.0	2379.3	184.3	0.00	-0.19	2.37
	93	-7983.9	-1796.2	-184.3	-0.00	-0.23	2.41
27	132	-897.4	2247.9	-75.8	0.00	0.17	2.28
	93	789.8	-1799.3	75.8	-0.00	0.01	2.35
28	132	-1766.5	2265.0	-91.4	0.00	0.20	2.31
	93	1658.9	-1816.4	91.4	-0.00	0.05	2.36
29	132	650.9	2324.4	-16.6	0.00	0.04	2.40
	93	-758.6	-1875.8	16.6	-0.00	-0.06	2.40
30	132	-339.6	2435.4	-7.5	0.01	0.02	2.57
	93	231.9	-1986.9	7.5	-0.01	-0.01	2.49
31	132	629.3	2523.3	41.3	0.01	-0.09	2.71
	93	-737.0	-2074.7	-41.3	-0.01	-0.05	2.55
32	132	-239.8	2540.4	25.7	0.01	-0.06	2.74
	93	132.1	-2091.8	-25.7	-0.01	-0.01	2.57
33	132	-2246.1	2381.3	-68.6	0.00	0.15	2.49

	93	2138.5	-1932.7	68.6	-0.00	0.08	2.45
34	132	-1788.1	2463.9	-33.5	0.00	0.07	2.62
	93	1680.4	-2015.3	33.5	-0.00	0.06	2.51
35	132	-401.5	1629.3	-19.8	0.00	0.04	1.65
	93	293.8	-1180.7	19.8	-0.00	0.00	1.57
36	132	-138.2	1668.6	5.9	0.00	-0.01	1.71
	93	30.6	-1220.0	-5.9	-0.00	-0.00	1.59
37	132	-298.9	888.3	-13.3	0.00	0.03	0.83
	93	191.2	-439.7	13.3	-0.00	0.00	0.69
38	132	-298.3	259.6	-30.5	-0.00	0.07	0.09
	93	190.6	189.0	30.5	0.00	0.00	-0.01
39	132	-150.9	856.3	-12.5	0.00	0.03	0.77
	93	43.3	-407.7	12.5	-0.00	-0.00	0.67
40	132	-3550.4	844.6	-98.2	0.00	0.13	0.79
	93	3442.7	-396.1	98.2	-0.00	0.09	0.63
41	132	3081.7	884.3	69.0	0.00	-0.07	0.79
	93	-3189.4	-435.8	-69.0	-0.00	-0.09	0.72
42	132	-568.6	2394.1	-25.0	0.00	0.06	2.51
	93	460.9	-1945.6	25.0	-0.00	0.00	2.46
43	132	-896.3	2256.8	-73.5	0.00	0.16	2.29
	93	788.7	-1808.3	73.5	-0.00	0.01	2.36
44	132	-1803.2	2272.7	-88.7	0.00	0.19	2.32
	93	1695.6	-1824.2	88.7	-0.00	0.05	2.37
45	132	708.6	2328.8	-16.6	0.00	0.04	2.41
	93	-816.2	-1880.2	16.6	-0.00	-0.06	2.40
46	132	1177.3	2406.4	17.1	0.01	-0.03	2.53
	93	-1284.9	-1957.8	-17.1	-0.01	-0.08	2.46
47	132	666.1	2515.5	38.6	0.01	-0.08	2.70
	93	-773.7	-2067.0	-38.6	-0.01	-0.05	2.54
48	132	-240.9	2531.4	23.4	0.01	-0.05	2.72
	93	133.2	-2082.9	-23.4	-0.01	-0.01	2.56
49	132	-2314.5	2381.9	-67.2	0.00	0.14	2.49
	93	2206.8	-1933.3	67.2	-0.00	0.08	2.46
50	132	-1845.8	2459.5	-33.5	0.00	0.07	2.61
	93	1738.1	-2010.9	33.5	-0.00	0.07	2.51
51	132	-495.6	752.6	-54.1	-0.00	0.12	0.61
	93	388.0	-304.0	54.1	0.00	0.01	0.59
52	132	-1223.4	765.5	-66.4	-0.00	0.14	0.63
	93	1115.7	-317.0	66.4	0.00	0.04	0.61
53	132	791.0	811.2	-7.8	0.00	0.02	0.70
	93	-898.7	-362.7	7.8	-0.00	-0.05	0.63
54	132	1166.1	874.5	19.5	0.00	-0.04	0.80
	93	-1273.8	-425.9	-19.5	-0.00	-0.06	0.68
55	132	754.7	963.4	37.2	0.00	-0.08	0.94
	93	-862.3	-514.8	-37.2	-0.00	-0.04	0.75
56	132	26.9	976.4	24.9	0.00	-0.05	0.96
	93	-134.6	-527.8	-24.9	-0.00	-0.00	0.76
57	132	-1634.8	854.5	-48.8	-0.00	0.10	0.77
	93	1527.2	-405.9	48.8	0.00	0.07	0.68
58	132	-1259.7	917.7	-21.4	0.00	0.04	0.87
	93	1152.1	-469.2	21.4	-0.00	0.05	0.72
1	93	106.8	-586.2	-17.9	0.00	-0.00	-0.96
	69	-246.8	1169.3	17.9	-0.00	0.04	-1.05
2	93	700.7	-2855.5	-32.8	0.01	-0.00	-3.63
	69	-840.7	3438.6	32.8	-0.01	0.08	-3.57

	93	-4129.2	-3995.9	134.3	0.01	-0.13	-4.94
	69	3989.2	4579.0	-134.3	-0.01	-0.18	-4.87
4	93	-4370.1	-2849.6	123.1	0.01	-0.14	-3.58
	69	4230.2	3432.7	-123.1	-0.01	-0.14	-3.61
5	93	-4369.2	-2055.0	95.8	0.00	-0.14	-2.53
	69	4229.3	2638.1	-95.8	-0.00	-0.08	-2.84
6	93	-4148.2	-2897.6	107.9	0.01	-0.13	-3.56
	69	4008.2	3480.7	-107.9	-0.01	-0.11	-3.74
7	93	5819.0	-3936.3	-156.4	0.01	0.14	-5.08
	69	-5958.9	4519.5	156.4	-0.01	0.22	-4.60
8	93	5578.0	-2790.0	-167.6	0.01	0.13	-3.72
	69	-5718.0	3373.1	167.6	-0.01	0.25	-3.33
9	93	5578.9	-1995.5	-194.9	0.00	0.13	-2.67
	69	-5718.9	2578.6	194.9	-0.00	0.32	-2.57
10	93	5800.0	-2838.0	-182.9	0.01	0.14	-3.69
	69	-5939.9	3421.2	182.9	-0.01	0.28	-3.47
11	93	-4330.1	-3601.6	156.2	0.01	-0.13	-4.52
	69	4190.1	4184.8	-156.2	-0.01	-0.23	-4.39
12	93	5618.1	-3542.1	-134.5	0.01	0.14	-4.66
	69	-5758.1	4125.2	134.5	-0.01	0.17	-4.12
13	93	-4731.6	-1691.1	137.6	0.00	-0.14	-2.26
	69	4591.7	2274.2	-137.6	-0.00	-0.17	-2.28
14	93	5216.5	-1631.6	-153.1	0.00	0.13	-2.39
	69	-5356.5	2214.7	153.1	-0.00	0.22	-2.01
15	93	-4730.1	-366.9	92.1	0.00	-0.14	-0.51
	69	4590.1	950.0	-92.1	-0.00	-0.07	-1.00
16	93	5218.1	-307.3	-198.6	-0.00	0.13	-0.64
	69	-5358.0	890.5	198.6	0.00	0.33	-0.73
17	93	-4361.7	-1771.1	112.2	0.00	-0.13	-2.22
	69	4221.8	2354.2	-112.2	-0.00	-0.13	-2.50
18	93	5586.4	-1711.6	-178.6	0.00	0.14	-2.36
	69	-5726.4	2294.7	178.6	-0.00	0.27	-2.23
19	93	-7742.2	-2881.1	238.7	0.01	-0.22	-3.56
	69	7602.3	3464.2	-238.7	-0.01	-0.32	-3.70
20	93	8838.1	-2781.8	-245.9	0.01	0.23	-3.79
	69	-8978.0	3365.0	245.9	-0.01	0.33	-3.25
21	93	-7983.2	-1734.8	227.5	0.01	-0.23	-2.20
	69	7843.2	2317.9	-227.5	-0.01	-0.29	-2.44
22	93	8597.1	-1635.5	-257.0	0.00	0.22	-2.43
	69	-8737.1	2218.7	257.0	-0.00	0.37	-1.98
23	93	-7982.2	-940.2	200.2	0.00	-0.23	-1.15
	69	7842.3	1523.3	-200.2	-0.00	-0.23	-1.67
24	93	8598.0	-841.0	-284.3	-0.00	0.22	-1.38
	69	-8738.0	1424.1	284.3	0.00	0.43	-1.21
25	93	-7761.2	-1782.8	212.2	0.01	-0.22	-2.18
	69	7621.3	2365.9	-212.2	-0.01	-0.26	-2.57
26	93	8819.1	-1683.5	-272.3	0.00	0.23	-2.40
	69	-8959.0	2266.7	272.3	-0.00	0.39	-2.11
27	93	227.5	-1956.9	-116.4	0.00	-0.01	-2.35
	69	-335.2	2405.4	116.4	-0.00	0.24	-2.63
28	93	-638.0	-1973.7	-50.9	0.00	-0.05	-2.36
	69	530.4	2422.3	50.9	-0.00	0.13	-2.66
29	93	1706.3	-1899.5	-150.1	0.00	0.06	-2.40
	69	-1813.9	2348.0	150.1	-0.00	0.27	-2.44
30	93	665.7	-1895.2	-4.5	0.01	0.01	-2.49
	69	-773.4	2343.8	4.5	-0.01	0.01	-2.37

	93	1567.5	-1849.0	5.4	0.01	0.05	-2.55
	69	-1675.1	2297.6	-5.4	-0.01	-0.02	-2.20
32	93	701.9	-1865.9	70.9	0.01	0.01	-2.57
	69	-809.6	2314.4	-70.9	-0.01	-0.13	-2.23
33	93	-1178.8	-1955.6	68.1	0.00	-0.08	-2.46
	69	1071.2	2404.2	-68.1	-0.00	-0.09	-2.55
34	93	-776.8	-1923.3	104.6	0.00	-0.06	-2.52
	69	669.2	2371.8	-104.6	-0.00	-0.17	-2.42
35	93	266.7	-1154.9	-17.8	0.00	-0.00	-1.57
	69	-374.4	1603.5	17.8	-0.00	0.04	-1.59
36	93	164.9	-1138.9	1.6	0.00	0.00	-1.59
	69	-272.5	1587.5	-1.6	-0.00	-0.01	-1.53
37	93	4.2	-374.7	-5.8	0.00	-0.00	-0.69
	69	-111.9	823.3	5.8	-0.00	0.02	-0.68
38	93	4.9	155.0	-24.0	-0.00	-0.00	0.01
	69	-112.5	293.6	24.0	0.00	0.06	-0.17
39	93	152.2	-406.7	-16.0	0.00	0.00	-0.67
	69	-259.9	855.3	16.0	-0.00	0.03	-0.77
40	93	-3247.3	-418.4	84.1	0.00	-0.09	-0.63
	69	3139.6	866.9	-84.1	-0.00	-0.10	-0.84
41	93	3384.8	-378.7	-109.7	0.00	0.09	-0.72
	69	-3492.5	827.2	109.7	-0.00	0.16	-0.66
42	93	464.7	-1911.4	-22.8	0.00	-0.00	-2.46
	69	-572.4	2359.9	22.8	-0.00	0.05	-2.43
43	93	224.4	-1953.0	-117.5	0.00	-0.01	-2.36
	69	-332.0	2401.5	117.5	-0.00	0.24	-2.61
44	93	-678.7	-1970.2	-49.0	0.00	-0.05	-2.37
	69	571.1	2418.7	49.0	-0.00	0.12	-2.65
45	93	1762.3	-1897.8	-155.2	0.00	0.06	-2.40
	69	-1870.0	2346.3	155.2	-0.00	0.28	-2.43
46	93	2177.5	-1867.6	-118.9	0.01	0.08	-2.46
	69	-2285.1	2316.2	118.9	-0.01	0.21	-2.31
47	93	1608.2	-1852.6	3.4	0.01	0.05	-2.54
	69	-1715.8	2301.1	-3.4	-0.01	-0.02	-2.21
48	93	705.1	-1869.8	72.0	0.01	0.01	-2.56
	69	-812.7	2318.3	-72.0	-0.01	-0.13	-2.24
49	93	-1248.0	-1955.1	73.3	0.00	-0.08	-2.46
	69	1140.4	2403.7	-73.3	-0.00	-0.10	-2.54
50	93	-832.9	-1925.0	109.6	0.00	-0.07	-2.51
	69	725.2	2373.6	-109.6	-0.00	-0.17	-2.42
51	93	-121.0	-432.4	-89.4	-0.00	-0.01	-0.59
	69	13.4	881.0	89.4	0.00	0.18	-0.90
52	93	-845.7	-446.2	-34.3	-0.00	-0.04	-0.61
	69	738.1	894.8	34.3	0.00	0.09	-0.93
53	93	1111.0	-387.7	-119.3	0.00	0.05	-0.63
	69	-1218.6	836.3	119.3	-0.00	0.21	-0.75
54	93	1442.3	-363.2	-89.9	0.00	0.06	-0.68
	69	-1549.9	811.8	89.9	-0.00	0.15	-0.65
55	93	983.3	-350.8	8.6	0.00	0.04	-0.75
	69	-1090.9	799.4	-8.6	-0.00	-0.03	-0.57
56	93	258.6	-364.6	63.7	0.00	0.00	-0.76
	69	-366.2	813.2	-63.7	-0.00	-0.12	-0.60
57	93	-1304.7	-433.8	64.3	-0.00	-0.07	-0.68
	69	1197.1	882.4	-64.3	0.00	-0.09	-0.84
58	93	-973.4	-409.3	93.7	0.00	-0.05	-0.72
	69	865.8	857.9	-93.7	-0.00	-0.15	-0.74

1	28	-23.6	214.4	0.0	0.00	0.00	0.00
	29	23.6	214.4	0.0	-0.00	0.00	0.00
2	28	-205.5	840.5	0.0	0.02	0.00	0.00
	29	205.5	840.5	0.0	-0.02	0.00	0.00
3	28	-3217.8	840.5	0.0	0.02	0.00	0.00
	29	3217.8	840.5	0.0	-0.02	0.00	0.00
4	28	-3049.4	1141.0	-72.1	0.03	0.00	0.00
	29	3049.4	1141.0	-72.1	-0.03	0.00	0.00
5	28	-2963.9	840.5	0.0	0.03	0.00	0.00
	29	2963.9	840.5	0.0	-0.03	0.00	0.00
6	28	-3102.0	615.1	54.1	0.02	0.00	0.00
	29	3102.0	615.1	54.1	-0.02	0.00	0.00
7	28	2518.4	840.5	0.0	0.01	0.00	0.00
	29	-2518.4	840.5	0.0	-0.01	0.00	0.00
8	28	2686.8	1141.0	-72.1	0.02	0.00	0.00
	29	-2686.8	1141.0	-72.1	-0.02	0.00	0.00
9	28	2772.3	840.5	0.0	0.01	0.00	0.00
	29	-2772.3	840.5	0.0	-0.01	0.00	0.00
10	28	2634.2	615.1	54.1	0.00	0.00	0.00
	29	-2634.2	615.1	54.1	-0.00	0.00	0.00
11	28	-3223.0	527.5	0.0	0.01	0.00	0.00
	29	3223.0	527.5	0.0	-0.01	0.00	0.00
12	28	2513.3	527.5	0.0	-0.00	0.00	0.00
	29	-2513.3	527.5	0.0	0.00	0.00	0.00
13	28	-2942.3	1028.3	-120.2	0.03	0.00	0.00
	29	2942.3	1028.3	-120.2	-0.03	0.00	0.00
14	28	2793.9	1028.3	-120.2	0.01	0.00	0.00
	29	-2793.9	1028.3	-120.2	-0.01	0.00	0.00
15	28	-2799.9	527.5	0.0	0.02	0.00	0.00
	29	2799.9	527.5	0.0	-0.02	0.00	0.00
16	28	2936.3	527.5	0.0	0.01	0.00	0.00
	29	-2936.3	527.5	0.0	-0.01	0.00	0.00
17	28	-3030.0	151.8	90.2	0.01	0.00	0.00
	29	3030.0	151.8	90.2	-0.01	0.00	0.00
18	28	2706.2	151.8	90.2	-0.01	0.00	0.00
	29	-2706.2	151.8	90.2	0.01	0.00	0.00
19	28	-5038.9	527.5	0.0	0.02	0.00	0.00
	29	5038.9	527.5	0.0	-0.02	0.00	0.00
20	28	4521.4	527.5	0.0	-0.01	0.00	0.00
	29	-4521.4	527.5	0.0	0.01	0.00	0.00
21	28	-4870.5	828.0	-72.1	0.03	0.00	0.00
	29	4870.5	828.0	-72.1	-0.03	0.00	0.00
22	28	4689.9	828.0	-72.1	0.00	0.00	0.00
	29	-4689.9	828.0	-72.1	-0.00	0.00	0.00
23	28	-4785.0	527.5	0.0	0.03	0.00	0.00
	29	4785.0	527.5	0.0	-0.03	0.00	0.00
24	28	4775.3	527.5	0.0	-0.00	0.00	0.00
	29	-4775.3	527.5	0.0	0.00	0.00	0.00
25	28	-4923.1	302.1	54.1	0.02	0.00	0.00
	29	4923.1	302.1	54.1	-0.02	0.00	0.00
26	28	4637.2	302.1	54.1	-0.01	0.00	0.00
	29	-4637.2	302.1	54.1	0.01	0.00	0.00
27	28	-1081.0	567.6	0.0	0.01	0.00	0.00
	29	1081.0	567.6	0.0	-0.01	0.00	0.00
28	28	-708.6	567.6	0.0	0.01	0.00	0.00

	29	708.6	567.6	0.0	-0.01	0.00	0.00
29	28	-984.5	567.6	0.0	0.02	0.00	0.00
	29	984.5	567.6	0.0	-0.02	0.00	0.00
30	28	91.0	567.6	0.0	0.01	0.00	0.00
	29	-91.0	567.6	0.0	-0.01	0.00	0.00
31	28	435.6	567.6	0.0	0.01	0.00	0.00
	29	-435.6	567.6	0.0	-0.01	0.00	0.00
32	28	807.9	567.6	0.0	0.01	0.00	0.00
	29	-807.9	567.6	0.0	-0.01	0.00	0.00
33	28	256.5	567.6	0.0	0.01	0.00	0.00
	29	-256.5	567.6	0.0	-0.01	0.00	0.00
34	28	711.5	567.6	0.0	0.01	0.00	0.00
	29	-711.5	567.6	0.0	-0.01	0.00	0.00
35	28	-75.9	359.0	0.0	0.01	0.00	0.00
	29	75.9	359.0	0.0	-0.01	0.00	0.00
36	28	-111.4	150.3	0.0	0.00	0.00	0.00
	29	111.4	150.3	0.0	-0.00	0.00	0.00
37	28	0.9	350.6	-48.1	0.01	0.00	0.00
	29	-0.9	350.6	-48.1	-0.01	0.00	0.00
38	28	57.9	150.3	0.0	0.01	0.00	0.00
	29	-57.9	150.3	0.0	-0.01	0.00	0.00
39	28	-34.2	0.0	36.1	-0.00	0.00	0.00
	29	34.2	0.0	36.1	0.00	0.00	0.00
40	28	-1927.3	150.3	0.0	0.01	0.00	0.00
	29	1927.3	150.3	0.0	-0.01	0.00	0.00
41	28	1896.8	150.3	0.0	-0.00	0.00	0.00
	29	-1896.8	150.3	0.0	0.00	0.00	0.00
42	28	-136.5	567.6	0.0	0.01	0.00	0.00
	29	136.5	567.6	0.0	-0.01	0.00	0.00
43	28	-1108.4	567.6	0.0	0.01	0.00	0.00
	29	1108.4	567.6	0.0	-0.01	0.00	0.00
44	28	-726.0	567.6	0.0	0.01	0.00	0.00
	29	726.0	567.6	0.0	-0.01	0.00	0.00
45	28	-1008.1	567.6	0.0	0.02	0.00	0.00
	29	1008.1	567.6	0.0	-0.02	0.00	0.00
46	28	-539.7	567.6	0.0	0.02	0.00	0.00
	29	539.7	567.6	0.0	-0.02	0.00	0.00
47	28	452.9	567.6	0.0	0.01	0.00	0.00
	29	-452.9	567.6	0.0	-0.01	0.00	0.00
48	28	835.3	567.6	0.0	0.01	0.00	0.00
	29	-835.3	567.6	0.0	-0.01	0.00	0.00
49	28	266.7	567.6	0.0	0.01	0.00	0.00
	29	-266.7	567.6	0.0	-0.01	0.00	0.00
50	28	735.0	567.6	0.0	0.01	0.00	0.00
	29	-735.0	567.6	0.0	-0.01	0.00	0.00
51	28	-809.2	150.3	0.0	0.01	0.00	0.00
	29	809.2	150.3	0.0	-0.01	0.00	0.00
52	28	-497.6	150.3	0.0	0.00	0.00	0.00
	29	497.6	150.3	0.0	-0.00	0.00	0.00
53	28	-726.0	150.3	0.0	0.01	0.00	0.00
	29	726.0	150.3	0.0	-0.01	0.00	0.00
54	28	-343.1	150.3	0.0	0.01	0.00	0.00
	29	343.1	150.3	0.0	-0.01	0.00	0.00
55	28	467.2	150.3	0.0	0.00	0.00	0.00
	29	-467.2	150.3	0.0	-0.00	0.00	0.00
56	28	778.8	150.3	0.0	0.00	0.00	0.00

	29	-778.8	150.3	0.0	-0.00	0.00	0.00
57	28	312.6	150.3	0.0	-0.00	0.00	0.00
	29	-312.6	150.3	0.0	0.00	0.00	0.00
58	28	695.5	150.3	0.0	-0.00	0.00	0.00
	29	-695.5	150.3	0.0	0.00	0.00	0.00
1	29	-31.8	214.4	0.0	0.00	0.00	0.00
	30	31.8	214.4	0.0	-0.00	0.00	0.00
2	29	-182.2	840.5	-0.0	0.01	0.00	0.00
	30	182.2	840.5	-0.0	-0.01	0.00	0.00
3	29	-3198.8	840.5	-0.0	0.01	0.00	0.00
	30	3198.8	840.5	-0.0	-0.01	0.00	0.00
4	29	-2982.2	1141.0	-72.1	0.01	0.00	0.00
	30	2982.2	1141.0	-72.1	-0.01	0.00	0.00
5	29	-2986.5	840.5	-0.0	0.01	0.00	0.00
	30	2986.5	840.5	-0.0	-0.01	0.00	0.00
6	29	-3147.4	615.1	54.1	0.01	0.00	0.00
	30	3147.4	615.1	54.1	-0.01	0.00	0.00
7	29	2593.4	840.5	-0.0	0.00	0.00	0.00
	30	-2593.4	840.5	-0.0	-0.00	0.00	0.00
8	29	2810.0	1141.0	-72.1	0.00	0.00	0.00
	30	-2810.0	1141.0	-72.1	-0.00	0.00	0.00
9	29	2805.6	840.5	-0.0	0.00	0.00	0.00
	30	-2805.6	840.5	-0.0	-0.00	0.00	0.00
10	29	2644.7	615.1	54.1	0.00	0.00	0.00
	30	-2644.7	615.1	54.1	-0.00	0.00	0.00
11	29	-3203.8	527.5	-0.0	0.01	0.00	0.00
	30	3203.8	527.5	-0.0	-0.01	0.00	0.00
12	29	2588.3	527.5	-0.0	0.00	0.00	0.00
	30	-2588.3	527.5	-0.0	-0.00	0.00	0.00
13	29	-2842.8	1028.3	-120.2	0.01	0.00	0.00
	30	2842.8	1028.3	-120.2	-0.01	0.00	0.00
14	29	2949.3	1028.3	-120.2	0.00	0.00	0.00
	30	-2949.3	1028.3	-120.2	-0.00	0.00	0.00
15	29	-2850.2	527.5	-0.0	0.01	0.00	0.00
	30	2850.2	527.5	-0.0	-0.01	0.00	0.00
16	29	2942.0	527.5	-0.0	0.00	0.00	0.00
	30	-2942.0	527.5	-0.0	-0.00	0.00	0.00
17	29	-3118.2	151.8	90.2	0.01	0.00	0.00
	30	3118.2	151.8	90.2	-0.01	0.00	0.00
18	29	2673.9	151.8	90.2	0.00	0.00	0.00
	30	-2673.9	151.8	90.2	-0.00	0.00	0.00
19	29	-5054.2	527.5	-0.0	0.01	0.00	0.00
	30	5054.2	527.5	-0.0	-0.01	0.00	0.00
20	29	4599.3	527.5	-0.0	-0.00	0.00	0.00
	30	-4599.3	527.5	-0.0	0.00	0.00	0.00
21	29	-4837.6	828.0	-72.1	0.01	0.00	0.00
	30	4837.6	828.0	-72.1	-0.01	0.00	0.00
22	29	4815.9	828.0	-72.1	0.00	0.00	0.00
	30	-4815.9	828.0	-72.1	-0.00	0.00	0.00
23	29	-4842.0	527.5	-0.0	0.01	0.00	0.00
	30	4842.0	527.5	-0.0	-0.01	0.00	0.00
24	29	4811.5	527.5	-0.0	0.00	0.00	0.00
	30	-4811.5	527.5	-0.0	-0.00	0.00	0.00
25	29	-5002.9	302.1	54.1	0.01	0.00	0.00
	30	5002.9	302.1	54.1	-0.01	0.00	0.00

	29	4650.7	302.1	54.1	-0.00	0.00	0.00
	30	-4650.7	302.1	54.1	0.00	0.00	0.00
27	29	-896.6	567.6	-0.0	0.01	0.00	0.00
	30	896.6	567.6	-0.0	-0.01	0.00	0.00
28	29	-601.9	567.6	-0.0	0.00	0.00	0.00
	30	601.9	567.6	-0.0	-0.00	0.00	0.00
29	29	-800.0	567.6	-0.0	0.01	0.00	0.00
	30	800.0	567.6	-0.0	-0.01	0.00	0.00
30	29	68.5	567.6	-0.0	0.00	0.00	0.00
	30	-68.5	567.6	-0.0	-0.00	0.00	0.00
31	29	361.5	567.6	-0.0	0.00	0.00	0.00
	30	-361.5	567.6	-0.0	-0.00	0.00	0.00
32	29	656.2	567.6	-0.0	0.00	0.00	0.00
	30	-656.2	567.6	-0.0	-0.00	0.00	0.00
33	29	182.2	567.6	-0.0	0.00	0.00	0.00
	30	-182.2	567.6	-0.0	-0.00	0.00	0.00
34	29	559.6	567.6	-0.0	0.00	0.00	0.00
	30	-559.6	567.6	-0.0	-0.00	0.00	0.00
35	29	-70.0	359.0	-0.0	0.00	0.00	0.00
	30	70.0	359.0	-0.0	-0.00	0.00	0.00
36	29	-100.2	150.3	0.0	0.00	0.00	0.00
	30	100.2	150.3	0.0	-0.00	0.00	0.00
37	29	44.2	350.6	-48.1	0.00	0.00	0.00
	30	-44.2	350.6	-48.1	-0.00	0.00	0.00
38	29	41.3	150.3	0.0	0.00	0.00	0.00
	30	-41.3	150.3	0.0	-0.00	0.00	0.00
39	29	-65.9	0.0	36.1	0.00	0.00	0.00
	30	65.9	0.0	36.1	-0.00	0.00	0.00
40	29	-1950.6	150.3	0.0	0.00	0.00	0.00
	30	1950.6	150.3	0.0	-0.00	0.00	0.00
41	29	1910.8	150.3	0.0	-0.00	0.00	0.00
	30	-1910.8	150.3	0.0	0.00	0.00	0.00
42	29	-120.2	567.6	-0.0	0.00	0.00	0.00
	30	120.2	567.6	-0.0	-0.00	0.00	0.00
43	29	-917.7	567.6	-0.0	0.01	0.00	0.00
	30	917.7	567.6	-0.0	-0.01	0.00	0.00
44	29	-618.8	567.6	-0.0	0.00	0.00	0.00
	30	618.8	567.6	-0.0	-0.00	0.00	0.00
45	29	-812.8	567.6	-0.0	0.01	0.00	0.00
	30	812.8	567.6	-0.0	-0.01	0.00	0.00
46	29	-423.9	567.6	-0.0	0.01	0.00	0.00
	30	423.9	567.6	-0.0	-0.01	0.00	0.00
47	29	378.5	567.6	-0.0	0.00	0.00	0.00
	30	-378.5	567.6	-0.0	-0.00	0.00	0.00
48	29	677.4	567.6	-0.0	0.00	0.00	0.00
	30	-677.4	567.6	-0.0	-0.00	0.00	0.00
49	29	183.6	567.6	-0.0	0.00	0.00	0.00
	30	-183.6	567.6	-0.0	-0.00	0.00	0.00
50	29	572.4	567.6	-0.0	0.00	0.00	0.00
	30	-572.4	567.6	-0.0	-0.00	0.00	0.00
51	29	-671.3	150.3	0.0	0.00	0.00	0.00
	30	671.3	150.3	0.0	-0.00	0.00	0.00
52	29	-427.4	150.3	0.0	0.00	0.00	0.00
	30	427.4	150.3	0.0	-0.00	0.00	0.00
53	29	-585.2	150.3	0.0	0.00	0.00	0.00
	30	585.2	150.3	0.0	-0.00	0.00	0.00

	29	-267.5	150.3	0.0	0.00	0.00	0.00
	30	267.5	150.3	0.0	-0.00	0.00	0.00
55	29	387.7	150.3	0.0	0.00	0.00	0.00
	30	-387.7	150.3	0.0	-0.00	0.00	0.00
56	29	631.5	150.3	0.0	-0.00	0.00	0.00
	30	-631.5	150.3	0.0	0.00	0.00	0.00
57	29	227.7	150.3	0.0	-0.00	0.00	0.00
	30	-227.7	150.3	0.0	0.00	0.00	0.00
58	29	545.4	150.3	0.0	-0.00	0.00	0.00
	30	-545.4	150.3	0.0	0.00	0.00	0.00
1	30	-42.6	238.9	-0.0	-0.00	0.00	0.00
	31	42.6	238.9	-0.0	0.00	0.00	0.00
2	30	-180.7	936.5	-0.0	-0.00	0.00	0.00
	31	180.7	936.5	-0.0	0.00	0.00	0.00
3	30	-2989.7	936.5	-0.0	-0.00	0.00	0.00
	31	2989.7	936.5	-0.0	0.00	0.00	0.00
4	30	-2754.6	1271.4	-80.4	-0.00	0.00	0.00
	31	2754.6	1271.4	-80.4	0.00	0.00	0.00
5	30	-2809.7	936.5	-0.0	-0.00	0.00	0.00
	31	2809.7	936.5	-0.0	0.00	0.00	0.00
6	30	-2979.8	685.4	60.3	-0.00	0.00	0.00
	31	2979.8	685.4	60.3	0.00	0.00	0.00
7	30	2424.0	936.5	-0.0	-0.00	0.00	0.00
	31	-2424.0	936.5	-0.0	0.00	0.00	0.00
8	30	2659.1	1271.4	-80.4	-0.00	0.00	0.00
	31	-2659.1	1271.4	-80.4	0.00	0.00	0.00
9	30	2604.0	936.5	-0.0	-0.00	0.00	0.00
	31	-2604.0	936.5	-0.0	0.00	0.00	0.00
10	30	2433.9	685.4	60.3	-0.00	0.00	0.00
	31	-2433.9	685.4	60.3	0.00	0.00	0.00
11	30	-2988.8	587.7	-0.0	-0.00	0.00	0.00
	31	2988.8	587.7	-0.0	0.00	0.00	0.00
12	30	2424.9	587.7	-0.0	-0.00	0.00	0.00
	31	-2424.9	587.7	-0.0	0.00	0.00	0.00
13	30	-2596.9	1145.8	-133.9	-0.00	0.00	0.00
	31	2596.9	1145.8	-133.9	0.00	0.00	0.00
14	30	2816.8	1145.8	-133.9	-0.00	0.00	0.00
	31	-2816.8	1145.8	-133.9	0.00	0.00	0.00
15	30	-2688.7	587.7	-0.0	-0.00	0.00	0.00
	31	2688.7	587.7	-0.0	0.00	0.00	0.00
16	30	2725.0	587.7	-0.0	-0.00	0.00	0.00
	31	-2725.0	587.7	-0.0	0.00	0.00	0.00
17	30	-2972.3	169.2	100.5	-0.00	0.00	0.00
	31	2972.3	169.2	100.5	0.00	0.00	0.00
18	30	2441.4	169.2	100.5	-0.00	0.00	0.00
	31	-2441.4	169.2	100.5	0.00	0.00	0.00
19	30	-4725.2	587.7	-0.0	-0.00	0.00	0.00
	31	4725.2	587.7	-0.0	0.00	0.00	0.00
20	30	4297.6	587.7	-0.0	-0.00	0.00	0.00
	31	-4297.6	587.7	-0.0	0.00	0.00	0.00
21	30	-4490.1	922.6	-80.4	-0.00	0.00	0.00
	31	4490.1	922.6	-80.4	0.00	0.00	0.00
22	30	4532.7	922.6	-80.4	-0.00	0.00	0.00
	31	-4532.7	922.6	-80.4	0.00	0.00	0.00
23	30	-4545.2	587.7	-0.0	-0.00	0.00	0.00

	31	4545.2	587.7	-0.0	0.00	0.00	0.00
24	30	4477.7	587.7	-0.0	-0.00	0.00	0.00
	31	-4477.7	587.7	-0.0	0.00	0.00	0.00
25	30	-4715.4	336.6	60.3	-0.00	0.00	0.00
	31	4715.4	336.6	60.3	0.00	0.00	0.00
26	30	4307.5	336.6	60.3	-0.00	0.00	0.00
	31	-4307.5	336.6	60.3	0.00	0.00	0.00
27	30	-800.3	632.5	-0.0	-0.00	0.00	0.00
	31	800.3	632.5	-0.0	0.00	0.00	0.00
28	30	-540.7	632.5	-0.0	-0.00	0.00	0.00
	31	540.7	632.5	-0.0	0.00	0.00	0.00
29	30	-717.7	632.5	-0.0	-0.00	0.00	0.00
	31	717.7	632.5	-0.0	0.00	0.00	0.00
30	30	45.4	632.5	-0.0	-0.00	0.00	0.00
	31	-45.4	632.5	-0.0	0.00	0.00	0.00
31	30	301.0	632.5	-0.0	-0.00	0.00	0.00
	31	-301.0	632.5	-0.0	0.00	0.00	0.00
32	30	560.6	632.5	-0.0	-0.00	0.00	0.00
	31	-560.6	632.5	-0.0	0.00	0.00	0.00
33	30	147.6	632.5	-0.0	0.00	0.00	0.00
	31	-147.6	632.5	-0.0	-0.00	0.00	0.00
34	30	478.0	632.5	-0.0	0.00	0.00	0.00
	31	-478.0	632.5	-0.0	-0.00	0.00	0.00
35	30	-73.8	400.0	-0.0	-0.00	0.00	0.00
	31	73.8	400.0	-0.0	0.00	0.00	0.00
36	30	-95.9	167.4	-0.0	-0.00	0.00	0.00
	31	95.9	167.4	-0.0	0.00	0.00	0.00
37	30	60.8	390.7	-53.6	0.00	0.00	0.00
	31	-60.8	390.7	-53.6	-0.00	0.00	0.00
38	30	24.1	167.4	-0.0	-0.00	0.00	0.00
	31	-24.1	167.4	-0.0	0.00	0.00	0.00
39	30	-89.3	0.0	40.2	-0.00	0.00	0.00
	31	89.3	0.0	40.2	0.00	0.00	0.00
40	30	-1832.4	167.4	-0.0	0.00	0.00	0.00
	31	1832.4	167.4	-0.0	-0.00	0.00	0.00
41	30	1776.8	167.4	-0.0	-0.00	0.00	0.00
	31	-1776.8	167.4	-0.0	0.00	0.00	0.00
42	30	-119.9	632.5	-0.0	-0.00	0.00	0.00
	31	119.9	632.5	-0.0	0.00	0.00	0.00
43	30	-816.6	632.5	-0.0	-0.00	0.00	0.00
	31	816.6	632.5	-0.0	0.00	0.00	0.00
44	30	-558.7	632.5	-0.0	-0.00	0.00	0.00
	31	558.7	632.5	-0.0	0.00	0.00	0.00
45	30	-720.1	632.5	-0.0	-0.00	0.00	0.00
	31	720.1	632.5	-0.0	0.00	0.00	0.00
46	30	-379.5	632.5	-0.0	-0.00	0.00	0.00
	31	379.5	632.5	-0.0	0.00	0.00	0.00
47	30	319.0	632.5	-0.0	-0.00	0.00	0.00
	31	-319.0	632.5	-0.0	0.00	0.00	0.00
48	30	576.9	632.5	-0.0	-0.00	0.00	0.00
	31	-576.9	632.5	-0.0	0.00	0.00	0.00
49	30	139.8	632.5	-0.0	0.00	0.00	0.00
	31	-139.8	632.5	-0.0	-0.00	0.00	0.00
50	30	480.4	632.5	-0.0	0.00	0.00	0.00
	31	-480.4	632.5	-0.0	-0.00	0.00	0.00
51	30	-596.6	167.4	-0.0	-0.00	0.00	0.00

	31	596.6	167.4	-0.0	0.00	0.00	0.00
52	30	-386.0	167.4	-0.0	0.00	0.00	0.00
	31	386.0	167.4	-0.0	-0.00	0.00	0.00
53	30	-518.0	167.4	-0.0	-0.00	0.00	0.00
	31	518.0	167.4	-0.0	0.00	0.00	0.00
54	30	-239.9	167.4	-0.0	-0.00	0.00	0.00
	31	239.9	167.4	-0.0	0.00	0.00	0.00
55	30	330.4	167.4	-0.0	-0.00	0.00	0.00
	31	-330.4	167.4	-0.0	0.00	0.00	0.00
56	30	541.1	167.4	-0.0	-0.00	0.00	0.00
	31	-541.1	167.4	-0.0	0.00	0.00	0.00
57	30	184.3	167.4	-0.0	0.00	0.00	0.00
	31	-184.3	167.4	-0.0	-0.00	0.00	0.00
58	30	462.4	167.4	-0.0	0.00	0.00	0.00
	31	-462.4	167.4	-0.0	-0.00	0.00	0.00
1	31	-85.3	239.7	-0.0	-0.00	0.00	0.00
	32	85.3	239.7	-0.0	0.00	0.00	0.00
2	31	-247.7	939.5	-0.0	-0.00	0.00	0.00
	32	247.7	939.5	-0.0	0.00	0.00	0.00
3	31	-2678.7	939.5	-0.0	-0.00	0.00	0.00
	32	2678.7	939.5	-0.0	0.00	0.00	0.00
4	31	-2415.1	1275.5	-80.6	-0.00	0.00	0.00
	32	2415.1	1275.5	-80.6	0.00	0.00	0.00
5	31	-2530.9	939.5	-0.0	-0.00	0.00	0.00
	32	2530.9	939.5	-0.0	0.00	0.00	0.00
6	31	-2722.6	687.6	60.5	-0.00	0.00	0.00
	32	2722.6	687.6	60.5	0.00	0.00	0.00
7	31	2015.7	939.5	-0.0	-0.00	0.00	0.00
	32	-2015.7	939.5	-0.0	0.00	0.00	0.00
8	31	2279.3	1275.5	-80.6	-0.00	0.00	0.00
	32	-2279.3	1275.5	-80.6	0.00	0.00	0.00
9	31	2163.5	939.5	-0.0	-0.00	0.00	0.00
	32	-2163.5	939.5	-0.0	0.00	0.00	0.00
10	31	1971.8	687.6	60.5	-0.00	0.00	0.00
	32	-1971.8	687.6	60.5	0.00	0.00	0.00
11	31	-2653.4	589.6	-0.0	-0.00	0.00	0.00
	32	2653.4	589.6	-0.0	0.00	0.00	0.00
12	31	2041.0	589.6	-0.0	-0.00	0.00	0.00
	32	-2041.0	589.6	-0.0	0.00	0.00	0.00
13	31	-2214.1	1149.5	-134.4	-0.00	0.00	0.00
	32	2214.1	1149.5	-134.4	0.00	0.00	0.00
14	31	2480.3	1149.5	-134.4	-0.00	0.00	0.00
	32	-2480.3	1149.5	-134.4	0.00	0.00	0.00
15	31	-2407.1	589.6	-0.0	-0.00	0.00	0.00
	32	2407.1	589.6	-0.0	0.00	0.00	0.00
16	31	2287.3	589.6	-0.0	-0.00	0.00	0.00
	32	-2287.3	589.6	-0.0	0.00	0.00	0.00
17	31	-2726.6	169.7	100.8	-0.00	0.00	0.00
	32	2726.6	169.7	100.8	0.00	0.00	0.00
18	31	1967.7	169.7	100.8	-0.00	0.00	0.00
	32	-1967.7	169.7	100.8	0.00	0.00	0.00
19	31	-4162.3	589.6	-0.0	-0.00	0.00	0.00
	32	4162.3	589.6	-0.0	0.00	0.00	0.00
20	31	3661.7	589.6	-0.0	-0.00	0.00	0.00
	32	-3661.7	589.6	-0.0	0.00	0.00	0.00

	31	-3898.8	925.5	-80.6	-0.00	0.00	0.00
	32	3898.8	925.5	-80.6	0.00	0.00	0.00
22	31	3925.2	925.5	-80.6	-0.00	0.00	0.00
	32	-3925.2	925.5	-80.6	0.00	0.00	0.00
23	31	-4014.5	589.6	-0.0	0.00	0.00	0.00
	32	4014.5	589.6	-0.0	-0.00	0.00	0.00
24	31	3809.4	589.6	-0.0	-0.00	0.00	0.00
	32	-3809.4	589.6	-0.0	0.00	0.00	0.00
25	31	-4206.3	337.7	60.5	0.00	0.00	0.00
	32	4206.3	337.7	60.5	-0.00	0.00	0.00
26	31	3617.7	337.7	60.5	-0.00	0.00	0.00
	32	-3617.7	337.7	60.5	0.00	0.00	0.00
27	31	-748.2	634.5	-0.0	-0.00	0.00	0.00
	32	748.2	634.5	-0.0	0.00	0.00	0.00
28	31	-470.0	634.5	-0.0	-0.00	0.00	0.00
	32	470.0	634.5	-0.0	0.00	0.00	0.00
29	31	-764.1	634.5	-0.0	-0.00	0.00	0.00
	32	764.1	634.5	-0.0	0.00	0.00	0.00
30	31	-36.0	634.5	-0.0	-0.00	0.00	0.00
	32	36.0	634.5	-0.0	0.00	0.00	0.00
31	31	133.5	634.5	-0.0	-0.00	0.00	0.00
	32	-133.5	634.5	-0.0	0.00	0.00	0.00
32	31	411.7	634.5	-0.0	0.00	0.00	0.00
	32	-411.7	634.5	-0.0	-0.00	0.00	0.00
33	31	163.1	634.5	-0.0	0.00	0.00	0.00
	32	-163.1	634.5	-0.0	-0.00	0.00	0.00
34	31	427.6	634.5	-0.0	0.00	0.00	0.00
	32	-427.6	634.5	-0.0	-0.00	0.00	0.00
35	31	-114.1	401.3	-0.0	-0.00	0.00	0.00
	32	114.1	401.3	-0.0	0.00	0.00	0.00
36	31	-115.9	168.0	-0.0	-0.00	0.00	0.00
	32	115.9	168.0	-0.0	0.00	0.00	0.00
37	31	59.8	391.9	-53.7	-0.00	0.00	0.00
	32	-59.8	391.9	-53.7	0.00	0.00	0.00
38	31	-17.4	168.0	-0.0	-0.00	0.00	0.00
	32	17.4	168.0	-0.0	0.00	0.00	0.00
39	31	-145.2	0.0	40.3	-0.00	0.00	0.00
	32	145.2	0.0	40.3	0.00	0.00	0.00
40	31	-1624.8	168.0	-0.0	0.00	0.00	0.00
	32	1624.8	168.0	-0.0	-0.00	0.00	0.00
41	31	1504.8	168.0	-0.0	-0.00	0.00	0.00
	32	-1504.8	168.0	-0.0	0.00	0.00	0.00
42	31	-168.2	634.5	-0.0	-0.00	0.00	0.00
	32	168.2	634.5	-0.0	0.00	0.00	0.00
43	31	-756.8	634.5	-0.0	-0.00	0.00	0.00
	32	756.8	634.5	-0.0	0.00	0.00	0.00
44	31	-488.3	634.5	-0.0	-0.00	0.00	0.00
	32	488.3	634.5	-0.0	0.00	0.00	0.00
45	31	-752.1	634.5	-0.0	-0.00	0.00	0.00
	32	752.1	634.5	-0.0	0.00	0.00	0.00
46	31	-479.5	634.5	-0.0	-0.00	0.00	0.00
	32	479.5	634.5	-0.0	0.00	0.00	0.00
47	31	151.8	634.5	-0.0	-0.00	0.00	0.00
	32	-151.8	634.5	-0.0	0.00	0.00	0.00
48	31	420.3	634.5	-0.0	0.00	0.00	0.00
	32	-420.3	634.5	-0.0	-0.00	0.00	0.00

	31	143.0	634.5	-0.0	0.00	0.00	0.00
	32	-143.0	634.5	-0.0	-0.00	0.00	0.00
50	31	415.6	634.5	-0.0	0.00	0.00	0.00
	32	-415.6	634.5	-0.0	-0.00	0.00	0.00
51	31	-540.5	168.0	-0.0	-0.00	0.00	0.00
	32	540.5	168.0	-0.0	0.00	0.00	0.00
52	31	-321.4	168.0	-0.0	-0.00	0.00	0.00
	32	321.4	168.0	-0.0	0.00	0.00	0.00
53	31	-536.4	168.0	-0.0	-0.00	0.00	0.00
	32	536.4	168.0	-0.0	0.00	0.00	0.00
54	31	-313.9	168.0	-0.0	-0.00	0.00	0.00
	32	313.9	168.0	-0.0	0.00	0.00	0.00
55	31	201.4	168.0	-0.0	-0.00	0.00	0.00
	32	-201.4	168.0	-0.0	0.00	0.00	0.00
56	31	420.4	168.0	-0.0	0.00	0.00	0.00
	32	-420.4	168.0	-0.0	-0.00	0.00	0.00
57	31	193.8	168.0	-0.0	0.00	0.00	0.00
	32	-193.8	168.0	-0.0	-0.00	0.00	0.00
58	31	416.4	168.0	-0.0	0.00	0.00	0.00
	32	-416.4	168.0	-0.0	-0.00	0.00	0.00
1	32	-82.2	239.7	0.0	0.00	0.00	0.00
	33	82.2	239.7	0.0	-0.00	0.00	0.00
2	32	-223.5	939.5	0.0	0.00	0.00	0.00
	33	223.5	939.5	0.0	-0.00	0.00	0.00
3	32	-2297.1	939.5	0.0	0.00	0.00	0.00
	33	2297.1	939.5	0.0	-0.00	0.00	0.00
4	32	-2056.5	1275.5	-80.6	0.00	0.00	0.00
	33	2056.5	1275.5	-80.6	-0.00	0.00	0.00
5	32	-2183.3	939.5	0.0	0.00	0.00	0.00
	33	2183.3	939.5	0.0	-0.00	0.00	0.00
6	32	-2358.3	687.6	60.5	0.00	0.00	0.00
	33	2358.3	687.6	60.5	-0.00	0.00	0.00
7	32	1721.2	939.5	0.0	0.00	0.00	0.00
	33	-1721.2	939.5	0.0	-0.00	0.00	0.00
8	32	1961.8	1275.5	-80.6	0.00	0.00	0.00
	33	-1961.8	1275.5	-80.6	-0.00	0.00	0.00
9	32	1835.0	939.5	0.0	0.00	0.00	0.00
	33	-1835.0	939.5	0.0	-0.00	0.00	0.00
10	32	1660.0	687.6	60.5	0.00	0.00	0.00
	33	-1660.0	687.6	60.5	-0.00	0.00	0.00
11	32	-2269.5	589.6	0.0	0.00	0.00	0.00
	33	2269.5	589.6	0.0	-0.00	0.00	0.00
12	32	1748.8	589.6	0.0	0.00	0.00	0.00
	33	-1748.8	589.6	0.0	-0.00	0.00	0.00
13	32	-1868.5	1149.5	-134.4	0.00	0.00	0.00
	33	1868.5	1149.5	-134.4	-0.00	0.00	0.00
14	32	2149.8	1149.5	-134.4	0.00	0.00	0.00
	33	-2149.8	1149.5	-134.4	-0.00	0.00	0.00
15	32	-2079.8	589.6	0.0	0.00	0.00	0.00
	33	2079.8	589.6	0.0	-0.00	0.00	0.00
16	32	1938.5	589.6	0.0	0.00	0.00	0.00
	33	-1938.5	589.6	0.0	-0.00	0.00	0.00
17	32	-2371.5	169.7	100.8	0.00	0.00	0.00
	33	2371.5	169.7	100.8	-0.00	0.00	0.00
18	32	1646.8	169.7	100.8	0.00	0.00	0.00

	33	-1646.8	169.7	100.8	-0.00	0.00	0.00
19	32	-3565.9	589.6	0.0	0.00	0.00	0.00
	33	3565.9	589.6	0.0	-0.00	0.00	0.00
20	32	3131.2	589.6	0.0	-0.00	0.00	0.00
	33	-3131.2	589.6	0.0	0.00	0.00	0.00
21	32	-3325.3	925.5	-80.6	0.00	0.00	0.00
	33	3325.3	925.5	-80.6	-0.00	0.00	0.00
22	32	3371.8	925.5	-80.6	0.00	0.00	0.00
	33	-3371.8	925.5	-80.6	-0.00	0.00	0.00
23	32	-3452.1	589.6	0.0	0.00	0.00	0.00
	33	3452.1	589.6	0.0	-0.00	0.00	0.00
24	32	3245.0	589.6	0.0	-0.00	0.00	0.00
	33	-3245.0	589.6	0.0	0.00	0.00	0.00
25	32	-3627.1	337.7	60.5	0.00	0.00	0.00
	33	3627.1	337.7	60.5	-0.00	0.00	0.00
26	32	3070.0	337.7	60.5	-0.00	0.00	0.00
	33	-3070.0	337.7	60.5	0.00	0.00	0.00
27	32	-607.0	634.5	0.0	0.00	0.00	0.00
	33	607.0	634.5	0.0	-0.00	0.00	0.00
28	32	-361.0	634.5	0.0	0.00	0.00	0.00
	33	361.0	634.5	0.0	-0.00	0.00	0.00
29	32	-661.9	634.5	0.0	0.00	0.00	0.00
	33	661.9	634.5	0.0	-0.00	0.00	0.00
30	32	-52.9	634.5	0.0	0.00	0.00	0.00
	33	52.9	634.5	0.0	-0.00	0.00	0.00
31	32	56.2	634.5	0.0	0.00	0.00	0.00
	33	-56.2	634.5	0.0	-0.00	0.00	0.00
32	32	302.2	634.5	0.0	0.00	0.00	0.00
	33	-302.2	634.5	0.0	-0.00	0.00	0.00
33	32	158.2	634.5	0.0	-0.00	0.00	0.00
	33	-158.2	634.5	0.0	0.00	0.00	0.00
34	32	357.1	634.5	0.0	-0.00	0.00	0.00
	33	-357.1	634.5	0.0	0.00	0.00	0.00
35	32	-105.3	401.3	0.0	0.00	0.00	0.00
	33	105.3	401.3	0.0	-0.00	0.00	0.00
36	32	-101.2	168.0	0.0	0.00	0.00	0.00
	33	101.2	168.0	0.0	-0.00	0.00	0.00
37	32	59.2	391.9	-53.7	0.00	0.00	0.00
	33	-59.2	391.9	-53.7	-0.00	0.00	0.00
38	32	-25.3	168.0	0.0	0.00	0.00	0.00
	33	25.3	168.0	0.0	-0.00	0.00	0.00
39	32	-142.0	0.0	40.3	0.00	0.00	0.00
	33	142.0	0.0	40.3	-0.00	0.00	0.00
40	32	-1397.6	168.0	0.0	0.00	0.00	0.00
	33	1397.6	168.0	0.0	-0.00	0.00	0.00
41	32	1281.2	168.0	0.0	-0.00	0.00	0.00
	33	-1281.2	168.0	0.0	0.00	0.00	0.00
42	32	-152.4	634.5	0.0	0.00	0.00	0.00
	33	152.4	634.5	0.0	-0.00	0.00	0.00
43	32	-611.3	634.5	0.0	0.00	0.00	0.00
	33	611.3	634.5	0.0	-0.00	0.00	0.00
44	32	-376.6	634.5	0.0	0.00	0.00	0.00
	33	376.6	634.5	0.0	-0.00	0.00	0.00
45	32	-645.9	634.5	0.0	-0.00	0.00	0.00
	33	645.9	634.5	0.0	0.00	0.00	0.00
46	32	-441.0	634.5	0.0	0.00	0.00	0.00

	33	441.0	634.5	0.0	-0.00	0.00	0.00
47	32	71.9	634.5	0.0	0.00	0.00	0.00
	33	-71.9	634.5	0.0	-0.00	0.00	0.00
48	32	306.5	634.5	0.0	0.00	0.00	0.00
	33	-306.5	634.5	0.0	-0.00	0.00	0.00
49	32	136.2	634.5	0.0	0.00	0.00	0.00
	33	-136.2	634.5	0.0	-0.00	0.00	0.00
50	32	341.2	634.5	0.0	0.00	0.00	0.00
	33	-341.2	634.5	0.0	-0.00	0.00	0.00
51	32	-432.8	168.0	0.0	-0.00	0.00	0.00
	33	432.8	168.0	0.0	0.00	0.00	0.00
52	32	-241.5	168.0	0.0	0.00	0.00	0.00
	33	241.5	168.0	0.0	-0.00	0.00	0.00
53	32	-460.8	168.0	0.0	-0.00	0.00	0.00
	33	460.8	168.0	0.0	0.00	0.00	0.00
54	32	-293.4	168.0	0.0	-0.00	0.00	0.00
	33	293.4	168.0	0.0	0.00	0.00	0.00
55	32	125.1	168.0	0.0	0.00	0.00	0.00
	33	-125.1	168.0	0.0	-0.00	0.00	0.00
56	32	316.4	168.0	0.0	0.00	0.00	0.00
	33	-316.4	168.0	0.0	-0.00	0.00	0.00
57	32	177.0	168.0	0.0	0.00	0.00	0.00
	33	-177.0	168.0	0.0	-0.00	0.00	0.00
58	32	344.4	168.0	0.0	0.00	0.00	0.00
	33	-344.4	168.0	0.0	-0.00	0.00	0.00
1	33	-33.0	238.9	0.0	0.00	0.00	0.00
	34	33.0	238.9	0.0	-0.00	0.00	0.00
2	33	-106.9	936.5	0.0	0.01	0.00	0.00
	34	106.9	936.5	0.0	-0.01	0.00	0.00
3	33	-1834.6	936.5	0.0	0.01	0.00	0.00
	34	1834.6	936.5	0.0	-0.01	0.00	0.00
4	33	-1662.9	1271.4	-80.4	0.01	0.00	0.00
	34	1662.9	1271.4	-80.4	-0.01	0.00	0.00
5	33	-1751.7	936.5	0.0	0.01	0.00	0.00
	34	1751.7	936.5	0.0	-0.01	0.00	0.00
6	33	-1875.0	685.4	60.3	0.01	0.00	0.00
	34	1875.0	685.4	60.3	-0.01	0.00	0.00
7	33	1526.9	936.5	0.0	0.01	0.00	0.00
	34	-1526.9	936.5	0.0	-0.01	0.00	0.00
8	33	1698.7	1271.4	-80.4	0.01	0.00	0.00
	34	-1698.7	1271.4	-80.4	-0.01	0.00	0.00
9	33	1609.8	936.5	0.0	0.01	0.00	0.00
	34	-1609.8	936.5	0.0	-0.01	0.00	0.00
10	33	1486.5	685.4	60.3	0.00	0.00	0.00
	34	-1486.5	685.4	60.3	-0.00	0.00	0.00
11	33	-1828.9	587.7	0.0	0.00	0.00	0.00
	34	1828.9	587.7	0.0	-0.00	0.00	0.00
12	33	1532.6	587.7	0.0	0.00	0.00	0.00
	34	-1532.6	587.7	0.0	-0.00	0.00	0.00
13	33	-1542.7	1145.8	-133.9	0.01	0.00	0.00
	34	1542.7	1145.8	-133.9	-0.01	0.00	0.00
14	33	1818.8	1145.8	-133.9	0.01	0.00	0.00
	34	-1818.8	1145.8	-133.9	-0.01	0.00	0.00
15	33	-1690.7	587.7	0.0	0.01	0.00	0.00
	34	1690.7	587.7	0.0	-0.01	0.00	0.00

	33	1670.8	587.7	0.0	0.00	0.00	0.00
	34	-1670.8	587.7	0.0	-0.00	0.00	0.00
17	33	-1896.2	169.2	100.5	0.00	0.00	0.00
	34	1896.2	169.2	100.5	-0.00	0.00	0.00
18	33	1465.3	169.2	100.5	0.00	0.00	0.00
	34	-1465.3	169.2	100.5	-0.00	0.00	0.00
19	33	-2918.1	587.7	0.0	0.01	0.00	0.00
	34	2918.1	587.7	0.0	-0.01	0.00	0.00
20	33	2684.4	587.7	0.0	0.00	0.00	0.00
	34	-2684.4	587.7	0.0	-0.00	0.00	0.00
21	33	-2746.4	922.6	-80.4	0.01	0.00	0.00
	34	2746.4	922.6	-80.4	-0.01	0.00	0.00
22	33	2856.2	922.6	-80.4	0.00	0.00	0.00
	34	-2856.2	922.6	-80.4	-0.00	0.00	0.00
23	33	-2835.3	587.7	0.0	0.01	0.00	0.00
	34	2835.3	587.7	0.0	-0.01	0.00	0.00
24	33	2767.3	587.7	0.0	0.00	0.00	0.00
	34	-2767.3	587.7	0.0	-0.00	0.00	0.00
25	33	-2958.5	336.6	60.3	0.00	0.00	0.00
	34	2958.5	336.6	60.3	-0.00	0.00	0.00
26	33	2644.0	336.6	60.3	0.00	0.00	0.00
	34	-2644.0	336.6	60.3	-0.00	0.00	0.00
27	33	-366.0	632.5	0.0	0.01	0.00	0.00
	34	366.0	632.5	0.0	-0.01	0.00	0.00
28	33	-212.5	632.5	0.0	0.00	0.00	0.00
	34	212.5	632.5	0.0	-0.00	0.00	0.00
29	33	-392.6	632.5	0.0	0.01	0.00	0.00
	34	392.6	632.5	0.0	-0.01	0.00	0.00
30	33	-6.0	632.5	0.0	0.00	0.00	0.00
	34	6.0	632.5	0.0	-0.00	0.00	0.00
31	33	69.8	632.5	0.0	0.00	0.00	0.00
	34	-69.8	632.5	0.0	-0.00	0.00	0.00
32	33	223.3	632.5	0.0	0.00	0.00	0.00
	34	-223.3	632.5	0.0	-0.00	0.00	0.00
33	33	119.1	632.5	0.0	0.00	0.00	0.00
	34	-119.1	632.5	0.0	-0.00	0.00	0.00
34	33	249.9	632.5	0.0	0.00	0.00	0.00
	34	-249.9	632.5	0.0	-0.00	0.00	0.00
35	33	-46.7	400.0	0.0	0.00	0.00	0.00
	34	46.7	400.0	0.0	-0.00	0.00	0.00
36	33	-53.3	167.4	0.0	0.00	0.00	0.00
	34	53.3	167.4	0.0	-0.00	0.00	0.00
37	33	61.1	390.7	-53.6	0.00	0.00	0.00
	34	-61.1	390.7	-53.6	-0.00	0.00	0.00
38	33	1.9	167.4	0.0	0.00	0.00	0.00
	34	-1.9	167.4	0.0	-0.00	0.00	0.00
39	33	-80.3	0.0	40.2	0.00	0.00	0.00
	34	80.3	0.0	40.2	-0.00	0.00	0.00
40	33	-1142.6	167.4	0.0	0.00	0.00	0.00
	34	1142.6	167.4	0.0	-0.00	0.00	0.00
41	33	1098.5	167.4	0.0	0.00	0.00	0.00
	34	-1098.5	167.4	0.0	-0.00	0.00	0.00
42	33	-71.4	632.5	0.0	0.00	0.00	0.00
	34	71.4	632.5	0.0	-0.00	0.00	0.00
43	33	-369.4	632.5	0.0	0.01	0.00	0.00
	34	369.4	632.5	0.0	-0.01	0.00	0.00

	33	-222.1	632.5	0.0	0.00	0.00	0.00
	34	222.1	632.5	0.0	-0.00	0.00	0.00
45	33	-384.2	632.5	0.0	0.01	0.00	0.00
	34	384.2	632.5	0.0	-0.01	0.00	0.00
46	33	-249.5	632.5	0.0	0.01	0.00	0.00
	34	249.5	632.5	0.0	-0.01	0.00	0.00
47	33	79.3	632.5	0.0	0.00	0.00	0.00
	34	-79.3	632.5	0.0	-0.00	0.00	0.00
48	33	226.6	632.5	0.0	0.00	0.00	0.00
	34	-226.6	632.5	0.0	-0.00	0.00	0.00
49	33	106.8	632.5	0.0	0.00	0.00	0.00
	34	-106.8	632.5	0.0	-0.00	0.00	0.00
50	33	241.4	632.5	0.0	0.00	0.00	0.00
	34	-241.4	632.5	0.0	-0.00	0.00	0.00
51	33	-265.4	167.4	0.0	0.00	0.00	0.00
	34	265.4	167.4	0.0	-0.00	0.00	0.00
52	33	-145.3	167.4	0.0	0.00	0.00	0.00
	34	145.3	167.4	0.0	-0.00	0.00	0.00
53	33	-277.2	167.4	0.0	0.00	0.00	0.00
	34	277.2	167.4	0.0	-0.00	0.00	0.00
54	33	-167.2	167.4	0.0	0.00	0.00	0.00
	34	167.2	167.4	0.0	-0.00	0.00	0.00
55	33	101.2	167.4	0.0	0.00	0.00	0.00
	34	-101.2	167.4	0.0	-0.00	0.00	0.00
56	33	221.2	167.4	0.0	0.00	0.00	0.00
	34	-221.2	167.4	0.0	-0.00	0.00	0.00
57	33	123.1	167.4	0.0	-0.00	0.00	0.00
	34	-123.1	167.4	0.0	0.00	0.00	0.00
58	33	233.0	167.4	0.0	-0.00	0.00	0.00
	34	-233.0	167.4	0.0	0.00	0.00	0.00
1	34	-15.1	264.2	-0.0	0.00	0.00	0.00
	35	15.1	264.2	-0.0	-0.00	0.00	0.00
2	34	-55.8	1035.6	-0.0	0.00	0.00	0.00
	35	55.8	1035.6	-0.0	-0.00	0.00	0.00
3	34	-1277.2	1035.6	-0.0	-0.00	0.00	0.00
	35	1277.2	1035.6	-0.0	0.00	0.00	0.00
4	34	-1156.3	1405.9	-88.9	0.00	0.00	0.00
	35	1156.3	1405.9	-88.9	-0.00	0.00	0.00
5	34	-1222.8	1035.6	-0.0	-0.00	0.00	0.00
	35	1222.8	1035.6	-0.0	0.00	0.00	0.00
6	34	-1308.6	757.9	66.6	-0.00	0.00	0.00
	35	1308.6	757.9	66.6	0.00	0.00	0.00
7	34	1104.1	1035.6	-0.0	0.00	0.00	0.00
	35	-1104.1	1035.6	-0.0	-0.00	0.00	0.00
8	34	1225.0	1405.9	-88.9	0.00	0.00	0.00
	35	-1225.0	1405.9	-88.9	-0.00	0.00	0.00
9	34	1158.5	1035.6	-0.0	0.00	0.00	0.00
	35	-1158.5	1035.6	-0.0	-0.00	0.00	0.00
10	34	1072.7	757.9	66.6	-0.00	0.00	0.00
	35	-1072.7	757.9	66.6	0.00	0.00	0.00
11	34	-1277.4	649.9	-0.0	-0.00	0.00	0.00
	35	1277.4	649.9	-0.0	0.00	0.00	0.00
12	34	1103.8	649.9	-0.0	0.00	0.00	0.00
	35	-1103.8	649.9	-0.0	-0.00	0.00	0.00
13	34	-1075.8	1267.0	-148.1	0.00	0.00	0.00

	35	1075.8	1267.0	-148.1	-0.00	0.00	0.00
14	34	1305.4	1267.0	-148.1	0.00	0.00	0.00
	35	-1305.4	1267.0	-148.1	-0.00	0.00	0.00
15	34	-1186.7	649.9	-0.0	-0.00	0.00	0.00
	35	1186.7	649.9	-0.0	0.00	0.00	0.00
16	34	1194.5	649.9	-0.0	0.00	0.00	0.00
	35	-1194.5	649.9	-0.0	-0.00	0.00	0.00
17	34	-1329.7	187.1	111.1	-0.00	0.00	0.00
	35	1329.7	187.1	111.1	0.00	0.00	0.00
18	34	1051.5	187.1	111.1	-0.00	0.00	0.00
	35	-1051.5	187.1	111.1	0.00	0.00	0.00
19	34	-2050.6	649.9	-0.0	-0.00	0.00	0.00
	35	2050.6	649.9	-0.0	0.00	0.00	0.00
20	34	1918.1	649.9	-0.0	0.00	0.00	0.00
	35	-1918.1	649.9	-0.0	-0.00	0.00	0.00
21	34	-1929.7	1020.2	-88.9	0.00	0.00	0.00
	35	1929.7	1020.2	-88.9	-0.00	0.00	0.00
22	34	2039.1	1020.2	-88.9	0.00	0.00	0.00
	35	-2039.1	1020.2	-88.9	-0.00	0.00	0.00
23	34	-1996.2	649.9	-0.0	-0.00	0.00	0.00
	35	1996.2	649.9	-0.0	0.00	0.00	0.00
24	34	1972.5	649.9	-0.0	0.00	0.00	0.00
	35	-1972.5	649.9	-0.0	-0.00	0.00	0.00
25	34	-2082.0	372.2	66.6	-0.00	0.00	0.00
	35	2082.0	372.2	66.6	0.00	0.00	0.00
26	34	1886.8	372.2	66.6	-0.00	0.00	0.00
	35	-1886.8	372.2	66.6	0.00	0.00	0.00
27	34	-227.0	699.4	-0.0	-0.00	0.00	0.00
	35	227.0	699.4	-0.0	0.00	0.00	0.00
28	34	-132.6	699.4	-0.0	0.00	0.00	0.00
	35	132.6	699.4	-0.0	-0.00	0.00	0.00
29	34	-236.9	699.4	-0.0	-0.00	0.00	0.00
	35	236.9	699.4	-0.0	0.00	0.00	0.00
30	34	6.5	699.4	-0.0	0.00	0.00	0.00
	35	-6.5	699.4	-0.0	-0.00	0.00	0.00
31	34	59.5	699.4	-0.0	-0.00	0.00	0.00
	35	-59.5	699.4	-0.0	0.00	0.00	0.00
32	34	154.0	699.4	-0.0	0.00	0.00	0.00
	35	-154.0	699.4	-0.0	-0.00	0.00	0.00
33	34	77.9	699.4	-0.0	0.00	0.00	0.00
	35	-77.9	699.4	-0.0	-0.00	0.00	0.00
34	34	163.8	699.4	-0.0	0.00	0.00	0.00
	35	-163.8	699.4	-0.0	-0.00	0.00	0.00
35	34	-23.0	442.3	-0.0	0.00	0.00	0.00
	35	23.0	442.3	-0.0	-0.00	0.00	0.00
36	34	-30.0	185.1	-0.0	0.00	0.00	0.00
	35	30.0	185.1	-0.0	-0.00	0.00	0.00
37	34	50.7	432.0	-59.2	0.00	0.00	0.00
	35	-50.7	432.0	-59.2	-0.00	0.00	0.00
38	34	6.3	185.1	-0.0	0.00	0.00	0.00
	35	-6.3	185.1	-0.0	-0.00	0.00	0.00
39	34	-50.9	0.0	44.4	-0.00	0.00	0.00
	35	50.9	0.0	44.4	0.00	0.00	0.00
40	34	-803.2	185.1	-0.0	-0.00	0.00	0.00
	35	803.2	185.1	-0.0	0.00	0.00	0.00
41	34	784.3	185.1	-0.0	0.00	0.00	0.00

	35	-784.3	185.1	-0.0	-0.00	0.00	0.00
42	34	-36.5	699.4	-0.0	0.00	0.00	0.00
	35	36.5	699.4	-0.0	-0.00	0.00	0.00
43	34	-229.1	699.4	-0.0	-0.00	0.00	0.00
	35	229.1	699.4	-0.0	0.00	0.00	0.00
44	34	-139.3	699.4	-0.0	0.00	0.00	0.00
	35	139.3	699.4	-0.0	-0.00	0.00	0.00
45	34	-230.5	699.4	-0.0	-0.00	0.00	0.00
	35	230.5	699.4	-0.0	0.00	0.00	0.00
46	34	-141.9	699.4	-0.0	-0.00	0.00	0.00
	35	141.9	699.4	-0.0	0.00	0.00	0.00
47	34	66.2	699.4	-0.0	0.00	0.00	0.00
	35	-66.2	699.4	-0.0	-0.00	0.00	0.00
48	34	156.0	699.4	-0.0	0.00	0.00	0.00
	35	-156.0	699.4	-0.0	-0.00	0.00	0.00
49	34	68.9	699.4	-0.0	0.00	0.00	0.00
	35	-68.9	699.4	-0.0	-0.00	0.00	0.00
50	34	157.5	699.4	-0.0	0.00	0.00	0.00
	35	-157.5	699.4	-0.0	-0.00	0.00	0.00
51	34	-166.6	185.1	-0.0	-0.00	0.00	0.00
	35	166.6	185.1	-0.0	0.00	0.00	0.00
52	34	-93.3	185.1	-0.0	0.00	0.00	0.00
	35	93.3	185.1	-0.0	-0.00	0.00	0.00
53	34	-167.7	185.1	-0.0	-0.00	0.00	0.00
	35	167.7	185.1	-0.0	0.00	0.00	0.00
54	34	-95.4	185.1	-0.0	-0.00	0.00	0.00
	35	95.4	185.1	-0.0	0.00	0.00	0.00
55	34	74.5	185.1	-0.0	0.00	0.00	0.00
	35	-74.5	185.1	-0.0	-0.00	0.00	0.00
56	34	147.7	185.1	-0.0	0.00	0.00	0.00
	35	-147.7	185.1	-0.0	-0.00	0.00	0.00
57	34	76.6	185.1	-0.0	0.00	0.00	0.00
	35	-76.6	185.1	-0.0	-0.00	0.00	0.00
58	34	148.9	185.1	-0.0	0.00	0.00	0.00
	35	-148.9	185.1	-0.0	-0.00	0.00	0.00
1	35	-8.6	264.2	0.0	-0.00	0.00	0.00
	36	8.6	264.2	0.0	0.00	0.00	0.00
2	35	-31.4	1035.6	-0.0	-0.02	0.00	0.00
	36	31.4	1035.6	-0.0	0.02	0.00	0.00
3	35	-658.2	1035.6	-0.0	-0.02	0.00	0.00
	36	658.2	1035.6	-0.0	0.02	0.00	0.00
4	35	-613.1	1405.9	-88.9	-0.02	0.00	0.00
	36	613.1	1405.9	-88.9	0.02	0.00	0.00
5	35	-630.2	1035.6	-0.0	-0.02	0.00	0.00
	36	630.2	1035.6	-0.0	0.02	0.00	0.00
6	35	-664.2	757.9	66.6	-0.01	0.00	0.00
	36	664.2	757.9	66.6	0.01	0.00	0.00
7	35	563.8	1035.6	-0.0	-0.02	0.00	0.00
	36	-563.8	1035.6	-0.0	0.02	0.00	0.00
8	35	609.0	1405.9	-88.9	-0.02	0.00	0.00
	36	-609.0	1405.9	-88.9	0.02	0.00	0.00
9	35	591.9	1035.6	-0.0	-0.02	0.00	0.00
	36	-591.9	1035.6	-0.0	0.02	0.00	0.00
10	35	557.9	757.9	66.6	-0.01	0.00	0.00
	36	-557.9	757.9	66.6	0.01	0.00	0.00

	35	-657.3	649.9	-0.0	-0.01	0.00	0.00
	36	657.3	649.9	0.0	0.01	0.00	0.00
12	35	564.7	649.9	-0.0	-0.01	0.00	0.00
	36	-564.7	649.9	0.0	0.01	0.00	0.00
13	35	-582.1	1267.0	-148.1	-0.02	0.00	0.00
	36	582.1	1267.0	-148.1	0.02	0.00	0.00
14	35	639.9	1267.0	-148.1	-0.02	0.00	0.00
	36	-639.9	1267.0	-148.1	0.02	0.00	0.00
15	35	-610.7	649.9	-0.0	-0.01	0.00	0.00
	36	610.7	649.9	0.0	0.01	0.00	0.00
16	35	611.4	649.9	-0.0	-0.01	0.00	0.00
	36	-611.4	649.9	0.0	0.01	0.00	0.00
17	35	-667.2	187.1	111.1	-0.00	0.00	0.00
	36	667.2	187.1	111.1	0.00	0.00	0.00
18	35	554.9	187.1	111.1	-0.00	0.00	0.00
	36	-554.9	187.1	111.1	0.00	0.00	0.00
19	35	-1054.2	649.9	-0.0	-0.01	0.00	0.00
	36	1054.2	649.9	0.0	0.01	0.00	0.00
20	35	982.6	649.9	-0.0	-0.01	0.00	0.00
	36	-982.6	649.9	0.0	0.01	0.00	0.00
21	35	-1009.1	1020.2	-88.9	-0.02	0.00	0.00
	36	1009.1	1020.2	-88.9	0.02	0.00	0.00
22	35	1027.7	1020.2	-88.9	-0.02	0.00	0.00
	36	-1027.7	1020.2	-88.9	0.02	0.00	0.00
23	35	-1026.2	649.9	-0.0	-0.01	0.00	0.00
	36	1026.2	649.9	0.0	0.01	0.00	0.00
24	35	1010.6	649.9	-0.0	-0.01	0.00	0.00
	36	-1010.6	649.9	0.0	0.01	0.00	0.00
25	35	-1060.1	372.2	66.6	-0.01	0.00	0.00
	36	1060.1	372.2	66.6	0.01	0.00	0.00
26	35	976.7	372.2	66.6	-0.01	0.00	0.00
	36	-976.7	372.2	66.6	0.01	0.00	0.00
27	35	-19.9	699.4	-0.0	-0.01	0.00	0.00
	36	19.9	699.4	-0.0	0.01	0.00	0.00
28	35	23.6	699.4	-0.0	-0.01	0.00	0.00
	36	-23.6	699.4	-0.0	0.01	0.00	0.00
29	35	-86.6	699.4	-0.0	-0.01	0.00	0.00
	36	86.6	699.4	-0.0	0.01	0.00	0.00
30	35	-27.9	699.4	-0.0	-0.01	0.00	0.00
	36	27.9	699.4	-0.0	0.01	0.00	0.00
31	35	-65.7	699.4	-0.0	-0.01	0.00	0.00
	36	65.7	699.4	-0.0	0.01	0.00	0.00
32	35	-22.2	699.4	-0.0	-0.01	0.00	0.00
	36	22.2	699.4	-0.0	0.01	0.00	0.00
33	35	58.3	699.4	-0.0	-0.01	0.00	0.00
	36	-58.3	699.4	-0.0	0.01	0.00	0.00
34	35	44.5	699.4	-0.0	-0.01	0.00	0.00
	36	-44.5	699.4	-0.0	0.01	0.00	0.00
35	35	-13.4	442.3	-0.0	-0.01	0.00	0.00
	36	13.4	442.3	0.0	0.01	0.00	0.00
36	35	-16.4	185.1	0.0	-0.00	0.00	0.00
	36	16.4	185.1	0.0	0.00	0.00	0.00
37	35	13.7	432.0	-59.2	-0.01	0.00	0.00
	36	-13.7	432.0	-59.2	0.01	0.00	0.00
38	35	2.3	185.1	0.0	-0.00	0.00	0.00
	36	-2.3	185.1	0.0	0.00	0.00	0.00

	35	-20.3	0.0	44.4	-0.00	0.00	0.00
	36	20.3	0.0	44.4	0.00	0.00	0.00
40	35	-413.2	185.1	0.0	-0.00	0.00	0.00
	36	413.2	185.1	0.0	0.00	0.00	0.00
41	35	401.5	185.1	0.0	-0.00	0.00	0.00
	36	-401.5	185.1	0.0	0.00	0.00	0.00
42	35	-21.1	699.4	-0.0	-0.01	0.00	0.00
	36	21.1	699.4	-0.0	0.01	0.00	0.00
43	35	-19.5	699.4	-0.0	-0.01	0.00	0.00
	36	19.5	699.4	-0.0	0.01	0.00	0.00
44	35	23.9	699.4	-0.0	-0.01	0.00	0.00
	36	-23.9	699.4	-0.0	0.01	0.00	0.00
45	35	-86.5	699.4	-0.0	-0.01	0.00	0.00
	36	86.5	699.4	-0.0	0.01	0.00	0.00
46	35	-100.4	699.4	-0.0	-0.01	0.00	0.00
	36	100.4	699.4	-0.0	0.01	0.00	0.00
47	35	-66.0	699.4	-0.0	-0.01	0.00	0.00
	36	66.0	699.4	-0.0	0.01	0.00	0.00
48	35	-22.6	699.4	-0.0	-0.01	0.00	0.00
	36	22.6	699.4	-0.0	0.01	0.00	0.00
49	35	58.3	699.4	-0.0	-0.01	0.00	0.00
	36	-58.3	699.4	-0.0	0.01	0.00	0.00
50	35	44.4	699.4	-0.0	-0.01	0.00	0.00
	36	-44.4	699.4	-0.0	0.01	0.00	0.00
51	35	-4.5	185.1	0.0	-0.00	0.00	0.00
	36	4.5	185.1	0.0	0.00	0.00	0.00
52	35	30.6	185.1	0.0	-0.00	0.00	0.00
	36	-30.6	185.1	0.0	0.00	0.00	0.00
53	35	-58.7	185.1	0.0	-0.00	0.00	0.00
	36	58.7	185.1	0.0	0.00	0.00	0.00
54	35	-70.0	185.1	0.0	-0.00	0.00	0.00
	36	70.0	185.1	0.0	0.00	0.00	0.00
55	35	-42.3	185.1	0.0	-0.00	0.00	0.00
	36	42.3	185.1	0.0	0.00	0.00	0.00
56	35	-7.2	185.1	0.0	-0.00	0.00	0.00
	36	7.2	185.1	0.0	0.00	0.00	0.00
57	35	58.4	185.1	0.0	-0.00	0.00	0.00
	36	-58.4	185.1	0.0	0.00	0.00	0.00
58	35	47.0	185.1	0.0	-0.00	0.00	0.00
	36	-47.0	185.1	0.0	0.00	0.00	0.00
1	49	954.7	8828.6	501.4	-0.88	-0.63	8.31
	53	-954.7	-3655.0	-501.4	0.88	-0.08	0.46
2	49	1638.2	14571.8	723.3	-2.83	-0.80	13.26
	53	-1638.2	-6669.5	-723.3	2.83	-0.21	1.78
3	49	25119.4	13766.3	-4017.3	-2.31	2.53	13.69
	53	-25119.4	-5864.0	4017.3	2.31	3.09	0.23
4	49	28150.5	15386.2	-5289.5	-3.23	3.95	13.06
	53	-28150.5	-6174.1	4884.5	3.23	3.19	2.28
5	49	31141.2	12578.6	-3216.0	-1.93	1.04	10.51
	53	-31141.2	-4676.3	3216.0	1.93	3.46	1.75
6	49	28194.9	11460.4	-2400.0	-1.29	0.28	11.18
	53	-28194.9	-4540.4	2690.2	1.29	3.27	0.15
7	49	-28412.5	16692.4	4555.8	-3.77	-2.44	16.39
	53	28412.5	-8790.1	-4555.8	3.77	-3.93	1.62
8	49	-25381.4	18312.3	3283.6	-4.69	-1.03	15.77

	53	25381.4	-9100.2	-3688.6	4.69	-3.83	3.67
9	49	-22390.7	15504.7	5357.1	-3.39	-3.93	13.21
	53	22390.7	-7602.4	-5357.1	3.39	-3.57	3.14
10	49	-25336.9	14386.5	6173.1	-2.76	-4.70	13.89
	53	25336.9	-7466.5	-5882.9	2.76	-3.75	1.54
11	49	22587.8	11333.1	-4430.8	-1.48	3.18	12.40
	53	-22587.8	-4795.2	4430.8	1.48	3.02	-1.00
12	49	-30944.1	14259.2	4142.2	-2.95	-1.80	15.10
	53	30944.1	-7721.3	-4142.2	2.95	-4.00	0.39
13	49	27639.6	14032.9	-6551.3	-3.01	5.54	11.36
	53	-27639.6	-5312.0	5876.2	3.01	3.19	2.41
14	49	-25892.3	16959.0	2021.8	-4.47	0.56	14.06
	53	25892.3	-8238.1	-2696.9	4.47	-3.83	3.80
15	49	32624.2	9353.6	-3095.4	-0.85	0.70	7.09
	53	-32624.2	-2815.7	3095.4	0.85	3.63	1.53
16	49	-20907.7	12279.7	5477.7	-2.31	-4.28	9.80
	53	20907.7	-5741.8	-5477.7	2.31	-3.39	2.92
17	49	27713.7	7489.9	-1735.3	0.21	-0.58	8.22
	53	-27713.7	-2589.2	2219.0	-0.21	3.33	-1.14
18	49	-25818.2	10416.0	6837.7	-1.25	-5.56	10.92
	53	25818.2	-5515.3	-6354.1	1.25	-3.70	0.25
19	49	42621.6	9919.4	-6985.9	-0.85	4.28	10.31
	53	-42621.6	-3381.4	6985.9	0.85	5.50	-0.89
20	49	-46598.2	14796.2	7302.6	-3.29	-4.02	14.82
	53	46598.2	-8258.3	-7302.6	3.29	-6.21	1.42
21	49	45652.7	11539.2	-8258.1	-1.77	5.69	9.69
	53	-45652.7	-3691.5	7853.1	1.77	5.60	1.15
22	49	-43567.2	16416.1	6030.3	-4.21	-2.60	14.20
	53	43567.2	-8568.4	-6435.4	4.21	-6.11	3.47
23	49	48643.4	8731.7	-6184.6	-0.47	2.79	7.13
	53	-48643.4	-2193.7	6184.6	0.47	5.87	0.63
24	49	-40576.4	13608.5	8103.9	-2.91	-5.51	11.64
	53	40576.4	-7070.6	-8103.9	2.91	-5.84	2.94
25	49	45697.1	7613.4	-5368.6	0.17	2.02	7.80
	53	-45697.1	-2057.8	5658.8	-0.17	5.68	-0.98
26	49	-43522.7	12490.3	8919.9	-2.27	-6.27	12.31
	53	43522.7	-6934.7	-8629.7	2.27	-6.02	1.34
27	49	6476.9	7541.7	139.2	-1.93	0.04	3.98
	53	-6476.9	-1806.8	-139.2	1.93	-0.06	2.69
28	49	3837.7	6756.8	-593.8	-1.39	0.99	2.49
	53	-3837.7	-1022.0	593.8	1.39	0.41	3.08
29	49	6759.2	10779.8	1506.3	-2.75	-1.82	10.13
	53	-6759.2	-5044.9	-1506.3	2.75	-0.85	1.06
30	49	-36.8	11462.4	723.1	-2.03	-0.86	11.45
	53	36.8	-5727.5	-723.1	2.03	-0.26	0.70
31	49	-1514.0	14177.3	1601.5	-2.50	-2.08	16.62
	53	1514.0	-8442.4	-1601.5	2.50	-0.74	-0.68
32	49	-4153.2	13392.5	868.4	-1.97	-1.12	15.14
	53	4153.2	-7657.6	-868.4	1.97	-0.26	-0.29
33	49	-2038.2	8163.7	-937.3	-0.96	1.36	5.19
	53	2038.2	-2428.8	937.3	0.96	0.73	2.35
34	49	-4435.5	10154.4	-498.7	-1.14	0.73	8.98
	53	4435.5	-4419.5	498.7	1.14	0.52	1.34
35	49	934.0	8552.7	429.9	-1.30	-0.49	7.91
	53	-934.0	-3727.4	-429.9	1.30	-0.12	0.76
36	49	-1483.7	7076.7	53.3	-0.79	0.14	7.44

	53	1483.7	-3160.9	-53.3	0.79	-0.21	-0.25
37	49	537.0	8156.6	-794.9	-1.40	1.08	7.02
	53	-537.0	-3367.7	524.9	1.40	-0.14	1.11
38	49	2530.9	6284.9	587.4	-0.54	-0.86	5.32
	53	-2530.9	-2369.1	-587.4	0.54	0.04	0.76
39	49	566.7	5539.4	1131.4	-0.11	-1.37	5.77
	53	-566.7	-2278.5	-938.0	0.11	-0.09	-0.31
40	49	18550.1	5662.9	-2501.8	-0.16	1.23	5.35
	53	-18550.1	-1747.2	2501.8	0.16	2.27	-0.14
41	49	-17137.8	7613.6	3213.6	-1.14	-2.09	7.16
	53	17137.8	-3697.9	-3213.6	1.14	-2.41	0.78
42	49	1161.8	10467.1	503.8	-1.95	-0.54	9.56
	53	-1161.8	-4732.2	-503.8	1.95	-0.16	1.20
43	49	6591.4	7429.6	111.5	-1.92	0.06	3.77
	53	-6591.4	-1694.8	-111.5	1.92	-0.07	2.74
44	49	3863.4	6633.2	-582.0	-1.37	0.92	2.26
	53	-3863.4	-898.3	582.0	1.37	0.42	3.14
45	49	6928.0	10763.7	1437.9	-2.76	-1.65	10.11
	53	-6928.0	-5028.9	-1437.9	2.76	-0.87	1.06
46	49	4488.7	12825.1	1881.3	-2.94	-2.27	14.03
	53	-4488.7	-7090.3	-1881.3	2.94	-1.08	0.02
47	49	-1539.8	14300.9	1589.6	-2.52	-2.00	16.86
	53	1539.8	-8566.1	-1589.6	2.52	-0.74	-0.74
48	49	-4267.7	13504.5	896.1	-1.97	-1.15	15.35
	53	4267.7	-7769.6	-896.1	1.97	-0.26	-0.34
49	49	-2165.0	8109.0	-873.7	-0.95	1.19	5.08
	53	2165.0	-2374.1	873.7	0.95	0.75	2.38
50	49	-4604.4	10170.4	-430.3	-1.13	0.57	9.01
	53	4604.4	-4435.5	430.3	1.13	0.55	1.34
51	49	5142.1	4168.7	39.5	-0.63	0.07	1.55
	53	-5142.1	-253.0	-39.5	0.63	0.00	1.57
52	49	2932.0	3524.4	-520.9	-0.19	0.76	0.33
	53	-2932.0	391.3	520.9	0.19	0.40	1.89
53	49	5388.9	6874.6	1111.0	-1.31	-1.33	6.69
	53	-5388.9	-2958.9	-1111.0	1.31	-0.64	0.21
54	49	3390.3	8549.6	1468.9	-1.45	-1.83	9.88
	53	-3390.3	-4633.9	-1468.9	1.45	-0.81	-0.64
55	49	-1519.7	9752.2	1232.7	-1.11	-1.61	12.18
	53	1519.7	-5836.4	-1232.7	1.11	-0.54	-1.25
56	49	-3729.8	9107.8	672.3	-0.67	-0.92	10.96
	53	3729.8	-5192.1	-672.3	0.67	-0.15	-0.93
57	49	-1978.0	4726.9	-757.1	0.15	0.98	2.63
	53	1978.0	-811.2	757.1	-0.15	0.66	1.27
58	49	-3976.6	6402.0	-399.2	0.01	0.48	5.82
	53	3976.6	-2486.2	399.2	-0.01	0.50	0.43
1	53	931.6	2458.2	200.1	0.07	0.04	-0.45
	54	-931.6	2858.4	-200.1	-0.07	-0.32	0.17
2	53	1606.1	3360.6	235.4	0.33	0.16	-1.77
	54	-1606.1	5310.8	-235.4	-0.33	-0.49	0.41
3	53	25108.8	3967.0	1120.6	0.75	-3.13	-0.22
	54	-25108.8	4704.5	-1120.6	-0.75	1.57	-0.30
4	53	28165.2	3370.3	475.3	0.70	-3.18	-2.28
	54	-28165.2	6911.4	-952.5	-0.70	2.18	-0.20
5	53	31121.9	2713.0	1506.6	1.03	-3.52	-1.73
	54	-31121.9	5958.4	-1506.6	-1.03	1.41	-0.54

	53	28160.8	3251.3	1859.7	1.02	-3.37	-0.12
	54	-28160.8	4212.4	-1515.5	-1.02	1.01	-0.55
7	53	-28456.2	4145.2	-1083.9	-0.42	3.90	-1.62
	54	28456.2	4526.2	1083.9	0.42	-2.38	1.35
8	53	-25399.8	3548.6	-1729.2	-0.46	3.85	-3.68
	54	25399.8	6733.1	1252.0	0.46	-1.77	1.45
9	53	-22443.1	2891.3	-697.9	-0.14	3.51	-3.13
	54	22443.1	5780.1	697.9	0.14	-2.53	1.11
10	53	-25404.1	3429.6	-344.7	-0.14	3.66	-1.52
	54	25404.1	4034.1	689.0	0.14	-2.94	1.10
11	53	22585.0	3979.4	958.3	0.51	-3.05	1.01
	54	-22585.0	3014.6	-958.3	-0.51	1.71	-0.33
12	53	-30979.9	4157.7	-1246.2	-0.66	3.98	-0.39
	54	30979.9	2836.3	1246.2	0.66	-2.24	1.31
13	53	27679.0	2985.0	-117.2	0.44	-3.12	-2.42
	54	-27679.0	6692.8	-678.1	-0.44	2.73	-0.17
14	53	-25885.9	3163.3	-2321.7	-0.73	3.91	-3.82
	54	25885.9	6514.6	1526.4	0.73	-1.22	1.47
15	53	32606.8	1889.6	1601.7	0.99	-3.70	-1.51
	54	-32606.8	5104.5	-1601.7	-0.99	1.45	-0.74
16	53	-20958.1	2067.8	-602.8	-0.18	3.34	-2.91
	54	20958.1	4926.2	602.8	0.18	-2.49	0.91
17	53	27671.8	2786.8	2190.2	0.97	-3.44	1.17
	54	-27671.8	2194.4	-1616.4	-0.97	0.78	-0.76
18	53	-25893.2	2965.0	-14.3	-0.19	3.59	-0.23
	54	25893.2	2016.2	588.1	0.19	-3.17	0.89
19	53	42626.5	3456.4	1837.8	1.01	-5.54	0.91
	54	-42626.5	3537.7	-1837.8	-1.01	2.97	-0.96
20	53	-46648.4	3753.5	-1836.3	-0.94	6.18	-1.42
	54	46648.4	3240.6	1836.3	0.94	-3.61	1.78
21	53	45682.9	2859.7	1192.5	0.97	-5.58	-1.15
	54	-45682.9	5744.6	-1669.7	-0.97	3.58	-0.87
22	53	-43592.0	3156.8	-2481.7	-0.98	6.14	-3.48
	54	43592.0	5447.5	2004.5	0.98	-3.00	1.88
23	53	48639.6	2202.4	2223.8	1.30	-5.93	-0.61
	54	-48639.6	4791.6	-2223.8	-1.30	2.82	-1.21
24	53	-40635.3	2499.5	-1450.3	-0.65	5.79	-2.94
	54	40635.3	4494.5	1450.3	0.65	-3.76	1.54
25	53	45678.6	2740.7	2576.9	1.29	-5.78	1.01
	54	-45678.6	3045.6	-2232.7	-1.29	2.41	-1.22
26	53	-43596.4	3037.8	-1097.2	-0.66	5.94	-1.33
	54	43596.4	2748.5	1441.5	0.66	-4.17	1.53
27	53	7574.4	-350.4	228.2	0.62	0.02	-2.70
	54	-7574.4	6598.0	-228.2	-0.62	-0.82	-2.80
28	53	4777.7	-1068.7	801.6	0.17	-0.44	-3.09
	54	-4777.7	7316.3	-801.6	-0.17	-0.38	-2.16
29	53	7311.2	2699.4	-692.5	1.03	0.80	-1.04
	54	-7311.2	3548.2	692.5	-1.03	-1.15	-1.65
30	53	-372.1	3398.2	47.2	0.15	0.23	-0.68
	54	372.1	2849.4	-47.2	-0.15	-0.27	1.07
31	53	-2499.7	5969.2	-491.3	0.25	0.69	0.71
	54	2499.7	278.4	491.3	-0.25	-0.31	2.66
32	53	-5296.3	5250.9	82.1	-0.21	0.23	0.31
	54	5296.3	996.7	-82.1	0.21	0.13	3.30
33	53	-2010.9	305.3	1218.7	-0.49	-0.75	-2.36
	54	2010.9	5942.4	-1218.7	0.49	0.31	0.51

	53	-5033.1	2201.1	1002.8	-0.61	-0.55	-1.34
	54	5033.1	4046.5	-1002.8	0.61	0.46	2.15
35	53	914.2	2149.5	143.4	0.13	0.09	-0.75
	54	-914.2	2979.9	-143.4	-0.13	-0.29	0.17
36	53	-1497.1	2312.4	-13.0	-0.07	0.19	0.26
	54	1497.1	1698.8	13.0	0.07	-0.17	0.17
37	53	540.5	1914.6	-443.2	-0.10	0.16	-1.12
	54	-540.5	3170.1	125.1	0.10	0.24	0.24
38	53	2511.6	1476.4	244.3	0.12	-0.07	-0.75
	54	-2511.6	2534.7	-244.3	-0.12	-0.27	0.01
39	53	537.6	1835.3	479.7	0.12	0.03	0.32
	54	-537.6	1370.7	-250.2	-0.12	-0.54	0.00
40	53	18544.4	1789.3	866.5	0.43	-2.30	0.15
	54	-18544.4	2221.8	-866.5	-0.43	1.09	-0.46
41	53	-17165.6	1908.1	-603.2	-0.35	2.39	-0.78
	54	17165.6	2103.0	603.2	0.35	-1.54	0.64
42	53	1139.0	2450.3	155.1	0.21	0.13	-1.19
	54	-1139.0	3797.3	-155.1	-0.21	-0.34	0.25
43	53	7722.3	-453.7	235.6	0.18	0.03	-2.75
	54	-7722.3	6701.3	-235.6	-0.18	-0.81	-2.90
44	53	4842.1	-1179.2	802.1	0.62	-0.44	-3.15
	54	-4842.1	7426.8	-802.1	-0.62	-0.40	-2.24
45	53	7482.2	2679.5	-680.1	-0.46	0.82	-1.05
	54	-7482.2	3568.1	680.1	0.46	-1.10	-1.68
46	53	4396.3	4639.5	-898.3	-0.58	1.02	0.01
	54	-4396.3	1608.1	898.3	0.58	-0.94	0.01
47	53	-2564.1	6079.7	-491.9	-0.20	0.70	0.77
	54	2564.1	167.9	491.9	0.20	-0.29	2.74
48	53	-5444.2	5354.2	74.7	0.23	0.22	0.37
	54	5444.2	893.4	-74.7	-0.23	0.12	3.40
49	53	-2118.2	261.0	1208.5	1.00	-0.76	-2.39
	54	2118.2	5986.6	-1208.5	-1.00	0.25	0.49
50	53	-5204.1	2221.0	990.3	0.88	-0.56	-1.34
	54	5204.1	4026.6	-990.3	-0.88	0.41	2.18
51	53	6068.7	-512.9	194.7	0.02	-0.03	-1.58
	54	-6068.7	4524.0	-194.7	-0.02	-0.60	-2.47
52	53	3730.5	-1103.5	651.5	0.37	-0.41	-1.90
	54	-3730.5	5114.6	-651.5	-0.37	-0.27	-1.94
53	53	5849.5	2036.1	-542.2	-0.50	0.60	-0.20
	54	-5849.5	1975.1	542.2	0.50	-0.84	-1.48
54	53	3323.4	3630.2	-717.0	-0.60	0.76	0.66
	54	-3323.4	380.9	717.0	0.60	-0.71	-0.11
55	53	-2351.7	4800.9	-388.2	-0.29	0.50	1.28
	54	2351.7	-789.8	388.2	0.29	-0.18	2.12
56	53	-4690.0	4210.2	68.6	0.06	0.12	0.95
	54	4690.0	-199.1	-68.6	-0.06	0.14	2.65
57	53	-1944.7	67.2	980.3	0.68	-0.67	-1.28
	54	1944.7	3943.9	-980.3	-0.68	0.26	0.29
58	53	-4470.8	1661.3	805.4	0.58	-0.51	-0.42
	54	4470.8	2349.8	-805.4	-0.58	0.38	1.67
1	54	926.3	-4784.9	130.7	0.22	0.29	-0.16
	50	-926.3	10101.6	-130.7	-0.22	-0.47	-10.26
2	54	1567.6	-10602.7	25.7	1.05	0.51	-0.40
	50	-1567.6	19274.2	-25.7	-1.05	-0.54	-20.51
3	54	24974.5	-8564.8	6737.2	1.46	-1.73	0.34

	50	-24974.5	17236.3	-6737.2	-1.46	-7.70	-18.40
4	54	28002.7	-12258.4	7001.0	1.44	-2.24	0.22
	50	-28002.7	22540.1	-7478.2	-1.44	-7.90	-24.58
5	54	31020.8	-9827.8	7007.7	1.69	-1.66	0.60
	50	-31020.8	18499.2	-7007.7	-1.69	-8.15	-20.43
6	54	28072.6	-6984.7	6623.5	1.66	-1.31	0.63
	50	-28072.6	14448.4	-6279.3	-1.66	-7.73	-15.63
7	54	-28436.8	-11240.5	-6993.0	0.38	2.67	-1.41
	50	28436.8	19911.9	6993.0	-0.38	7.12	-20.40
8	54	-25408.7	-14934.0	-6729.3	0.37	2.16	-1.53
	50	25408.7	25215.7	6252.1	-0.37	6.93	-26.57
9	54	-22390.6	-12503.4	-6722.5	0.62	2.74	-1.15
	50	22390.6	21174.8	6722.5	-0.62	6.67	-22.42
10	54	-25338.7	-9660.3	-7106.7	0.59	3.09	-1.13
	50	25338.7	17124.0	7451.0	-0.59	7.10	-17.62
11	54	22454.8	-5189.2	6687.3	0.95	-1.87	0.38
	50	-22454.8	12183.2	-6687.3	-0.95	-7.49	-12.54
12	54	-30956.6	-7864.8	-7042.9	-0.12	2.53	-1.38
	50	30956.6	14858.8	7042.9	0.12	7.33	-14.53
13	54	27501.7	-11345.1	7126.9	0.93	-2.71	0.17
	50	-27501.7	21023.0	-7922.2	-0.93	-7.82	-22.83
14	54	-25909.6	-14020.7	-6603.3	-0.14	1.69	-1.58
	50	25909.6	23698.6	5808.0	0.14	7.00	-24.82
15	54	32531.8	-7294.1	7138.1	1.34	-1.74	0.81
	50	-32531.8	14288.2	-7138.1	-1.34	-8.25	-15.91
16	54	-20879.5	-9969.7	-6592.1	0.27	2.65	-0.94
	50	20879.5	16963.8	6592.1	-0.27	6.57	-17.91
17	54	27618.3	-2555.6	6497.8	1.29	-1.16	0.85
	50	-27618.3	7536.8	-5924.0	-1.29	-7.54	-7.92
18	54	-25793.1	-5231.2	-7232.4	0.22	3.24	-0.90
	50	25793.1	10212.4	7806.2	-0.22	7.28	-9.91
19	54	42457.7	-4764.1	11366.4	1.40	-3.31	1.05
	50	-42457.7	11758.1	-11366.4	-1.40	-12.60	-12.61
20	54	-46561.2	-9223.4	-11517.3	-0.39	4.02	-1.87
	50	46561.2	16217.4	11517.3	0.39	12.10	-15.94
21	54	45485.9	-8457.6	11630.2	1.38	-3.81	0.92
	50	-45485.9	17062.0	-12107.4	-1.38	-12.80	-18.79
22	54	-43533.1	-12917.0	-11253.5	-0.40	3.52	-2.00
	50	43533.1	21521.3	10776.3	0.40	11.90	-22.11
23	54	48503.9	-6027.0	11636.9	1.63	-3.23	1.31
	50	-48503.9	13021.1	-11636.9	-1.63	-13.06	-14.64
24	54	-40515.0	-10486.4	-11246.8	-0.15	4.10	-1.61
	50	40515.0	17480.4	11246.8	0.15	11.65	-17.96
25	54	45555.8	-3183.9	11252.8	1.60	-2.88	1.33
	50	-45555.8	8970.2	-10908.5	-1.60	-12.63	-9.84
26	54	-43463.1	-7643.2	-11630.9	-0.18	4.45	-1.59
	50	43463.1	13429.6	11975.2	0.18	12.07	-13.16
27	54	8699.8	-11139.3	-1261.4	1.08	0.85	2.77
	50	-8699.8	17386.9	1261.4	-1.08	1.13	-22.73
28	54	5799.5	-10427.4	-539.8	0.58	0.49	2.14
	50	-5799.5	16675.0	539.8	-0.58	0.19	-21.12
29	54	7787.1	-9634.9	-1465.0	1.58	1.05	1.61
	50	-7787.1	15882.5	1465.0	-1.58	1.50	-19.46
30	54	-729.4	-6446.9	284.7	0.67	0.26	-1.06
	50	729.4	12694.5	-284.7	-0.67	-0.68	-12.34
31	54	-3575.7	-4467.8	562.1	0.83	0.22	-2.64

	50	3575.7	10715.4	-562.1	-0.83	-0.93	-7.99
32	54	-6476.0	-3755.9	1283.7	0.33	-0.14	-3.27
	50	6476.0	10003.5	-1283.7	-0.33	-1.87	-6.37
33	54	-1880.6	-7261.8	940.2	-0.09	-0.15	-0.49
	50	1880.6	13509.4	-940.2	0.09	-1.62	-14.07
34	54	-5563.3	-5260.4	1487.3	-0.17	-0.34	-2.11
	50	5563.3	11508.0	-1487.3	0.17	-2.24	-9.65
35	54	898.2	-5508.3	46.1	0.43	0.28	-0.17
	50	-898.2	10637.7	-46.1	-0.43	-0.35	-11.14
36	54	-1514.7	-3102.3	-21.3	0.06	0.18	-0.17
	50	1514.7	7113.4	21.3	-0.06	-0.15	-6.98
37	54	504.1	-5564.7	154.6	0.05	-0.15	-0.25
	50	-504.1	10649.3	-472.7	-0.05	-0.28	-11.09
38	54	2516.1	-3944.3	159.0	0.22	0.23	-0.00
	50	-2516.1	7955.4	-159.0	-0.22	-0.46	-8.33
39	54	550.7	-2048.9	-97.1	0.20	0.47	0.02
	50	-550.7	5254.9	326.6	-0.20	-0.17	-5.13
40	54	18488.2	-2677.2	4657.9	0.51	-1.26	0.50
	50	-18488.2	6688.3	-4657.9	-0.51	-5.26	-7.05
41	54	-17119.4	-4460.9	-4495.6	-0.21	1.68	-0.67
	50	17119.4	8472.1	4495.6	0.21	4.62	-8.38
42	54	1111.9	-7447.6	11.1	0.70	0.35	-0.25
	50	-1111.9	13695.2	-11.1	-0.70	-0.37	-14.55
43	54	8882.1	-11262.6	-1264.7	1.06	0.84	2.87
	50	-8882.1	17510.2	1264.7	-1.06	1.14	-23.00
44	54	5905.5	-10531.9	-562.0	0.60	0.52	2.23
	50	-5905.5	16779.5	562.0	-0.60	0.20	-21.35
45	54	7957.4	-9700.3	-1437.4	1.51	0.99	1.65
	50	-7957.4	15947.9	1437.4	-1.51	1.50	-19.59
46	54	4188.3	-7630.5	-882.7	1.43	0.80	-0.03
	50	-4188.3	13878.2	882.7	-1.43	0.88	-15.01
47	54	-3681.7	-4363.3	584.3	0.81	0.19	-2.73
	50	3681.7	10611.0	-584.3	-0.81	-0.94	-7.75
48	54	-6658.3	-3632.7	1287.0	0.35	-0.13	-3.36
	50	6658.3	9880.3	-1287.0	-0.35	-1.88	-6.10
49	54	-1964.5	-7264.7	905.0	-0.02	-0.09	-0.47
	50	1964.5	13512.3	-905.0	0.02	-1.62	-14.09
50	54	-5733.6	-5194.9	1459.7	-0.10	-0.28	-2.15
	50	5733.6	11442.5	-1459.7	0.10	-2.24	-9.52
51	54	7033.0	-6672.0	-961.0	0.44	0.60	2.45
	50	-7033.0	10683.1	961.0	-0.44	0.91	-14.59
52	54	4611.4	-6077.1	-389.2	0.06	0.34	1.93
	50	-4611.4	10088.2	389.2	-0.06	0.15	-13.25
53	54	6261.8	-5402.3	-1098.7	0.80	0.73	1.46
	50	-6261.8	9413.4	1098.7	-0.80	1.20	-11.82
54	54	3179.1	-3719.0	-645.0	0.74	0.57	0.10
	50	-3179.1	7730.1	645.0	-0.74	0.69	-8.10
55	54	-3242.5	-1061.1	551.5	0.23	0.08	-2.10
	50	3242.5	5072.2	-551.5	-0.23	-0.80	-2.19
56	54	-5664.2	-466.1	1123.2	-0.14	-0.18	-2.62
	50	5664.2	4477.2	-1123.2	0.14	-1.56	-0.84
57	54	-1810.3	-3419.1	807.2	-0.44	-0.15	-0.27
	50	1810.3	7430.2	-807.2	0.44	-1.33	-7.34
58	54	-4892.9	-1735.8	1261.0	-0.51	-0.31	-1.64
	50	4892.9	5746.9	-1261.0	0.51	-1.85	-3.62

	50	2269.2	14881.5	33.2	-0.20	-0.08	14.21
	55	-2269.2	-8957.2	-33.2	0.20	0.03	4.39
2	50	4092.6	28019.6	159.9	-1.15	-0.29	27.65
	55	-4092.6	-18357.2	-159.9	1.15	0.04	8.52
3	50	26147.8	26160.8	-5203.5	-1.11	5.36	25.12
	55	-26147.8	-16498.3	5203.5	1.11	2.76	8.16
4	50	29312.8	32229.8	-6855.5	-1.20	6.81	31.15
	55	-29312.8	-20773.1	6323.8	1.20	3.47	10.19
5	50	29929.6	25801.5	-5205.1	-1.06	5.29	24.05
	55	-29929.6	-16139.1	5205.1	1.06	2.83	8.67
6	50	27163.6	21315.5	-3884.8	-0.98	4.07	19.68
	55	-27163.6	-12998.8	4268.4	0.98	2.29	7.09
7	50	-22085.7	30267.2	5523.0	-1.24	-5.86	31.34
	55	22085.7	-20604.7	-5523.0	1.24	-2.76	8.34
8	50	-18920.8	36336.2	3870.9	-1.34	-4.41	37.37
	55	18920.8	-24879.5	-4402.7	1.34	-2.04	10.38
9	50	-18303.9	29907.9	5521.4	-1.20	-5.93	30.27
	55	18303.9	-20245.5	-5521.4	1.20	-2.68	8.85
10	50	-21070.0	25422.0	6841.7	-1.12	-7.15	25.90
	55	21070.0	-17105.3	-6458.0	1.12	-3.22	7.27
11	50	23861.8	19721.3	-5267.0	-0.65	5.50	18.78
	55	-23861.8	-11927.9	5267.0	0.65	2.72	5.91
12	50	-24371.8	23827.7	5459.5	-0.79	-5.73	25.00
	55	24371.8	-16034.3	-5459.5	0.79	-2.79	6.09
13	50	29136.7	29836.3	-8020.4	-0.80	7.91	28.84
	55	-29136.7	-19052.5	7134.2	0.80	3.91	9.30
14	50	-19096.8	33942.8	2706.1	-0.94	-3.31	35.05
	55	19096.8	-23158.9	-3592.3	0.94	-1.60	9.48
15	50	30164.8	19122.5	-5269.6	-0.57	5.37	17.00
	55	-30164.8	-11329.1	5269.6	0.57	2.85	6.75
16	50	-18068.8	23228.9	5456.9	-0.71	-5.85	23.22
	55	18068.8	-15435.5	-5456.9	0.71	-2.66	6.94
17	50	25554.7	11645.9	-3069.1	-0.43	3.35	9.72
	55	-25554.7	-6095.4	3708.5	0.43	1.94	4.12
18	50	-22678.8	15752.3	7657.3	-0.57	-7.88	15.94
	55	22678.8	-10201.8	-7017.9	0.57	-3.57	4.31
19	50	41314.0	18222.9	-8842.3	-0.58	9.21	16.32
	55	-41314.0	-10429.5	8842.3	0.58	4.59	6.03
20	50	-39075.3	25066.9	9035.1	-0.82	-9.49	26.69
	55	39075.3	-17273.6	-9035.1	0.82	-4.60	6.34
21	50	44479.0	24292.0	-10494.4	-0.68	10.66	22.36
	55	-44479.0	-14704.3	9962.6	0.68	5.30	8.06
22	50	-35910.3	31136.0	7383.1	-0.91	-8.04	32.72
	55	35910.3	-21548.3	-7914.8	0.91	-3.89	8.37
23	50	45095.8	17863.6	-8843.9	-0.54	9.13	15.25
	55	-45095.8	-10070.3	8843.9	0.54	4.66	6.53
24	50	-35293.5	24707.7	9033.5	-0.77	-9.57	25.62
	55	35293.5	-16914.3	-9033.5	0.77	-4.52	6.84
25	50	42329.8	13377.7	-7523.6	-0.46	7.92	10.88
	55	-42329.8	-6930.1	7907.3	0.46	4.12	4.96
26	50	-38059.5	20221.7	10353.8	-0.69	-10.78	21.25
	55	38059.5	-13774.1	-9970.2	0.69	-5.07	5.27
27	50	6022.7	18320.5	235.4	-0.78	-0.35	14.55
	55	-6022.7	-11358.9	-235.4	0.78	0.03	9.23
28	50	4091.9	17868.0	-1460.4	-0.49	1.62	13.28
	55	-4091.9	-10906.4	1460.4	0.49	0.81	8.55

	50	6746.7	20112.6	2723.2	-1.22	-3.23	20.01
	55	-6746.7	-13150.9	-2723.2	1.22	-1.15	8.02
30	50	2218.3	20441.9	333.5	-0.82	-0.47	21.28
	55	-2218.3	-13480.3	-333.5	0.82	-0.08	5.18
31	50	1655.0	21932.3	1690.8	-1.06	-2.04	25.89
	55	-1655.0	-14970.6	-1690.8	1.06	-0.74	3.52
32	50	-275.8	21479.7	-5.0	-0.77	-0.08	24.61
	55	275.8	-14518.1	5.0	0.77	0.04	2.84
33	50	310.6	18604.1	-2929.4	-0.25	3.32	15.75
	55	-310.6	-11642.5	2929.4	0.25	1.45	5.75
34	50	-999.8	19687.7	-2492.8	-0.34	2.81	19.15
	55	999.8	-12726.0	2492.8	0.34	1.22	4.04
35	50	2265.7	15520.8	73.0	-0.46	-0.14	15.10
	55	-2265.7	-9805.2	-73.0	0.46	0.03	4.65
36	50	283.5	11270.9	30.6	-0.16	-0.04	11.01
	55	-283.5	-6801.4	-30.6	0.16	-0.00	3.09
37	50	2393.5	15317.0	-1070.8	-0.22	0.92	15.03
	55	-2393.5	-9651.2	716.3	0.22	0.47	4.45
38	50	2804.7	11031.4	29.5	-0.13	-0.09	10.29
	55	-2804.7	-6561.9	-29.5	0.13	0.05	3.43
39	50	960.7	8040.8	909.7	-0.07	-0.90	7.38
	55	-960.7	-4468.4	-654.0	0.07	-0.32	2.38
40	50	17735.7	9772.6	-3544.8	-0.10	3.67	8.55
	55	-17735.7	-5303.1	3544.8	0.10	1.86	3.21
41	50	-14420.0	12510.2	3606.2	-0.19	-3.81	12.69
	55	14420.0	-8040.7	-3606.2	0.19	-1.81	3.34
42	50	2873.5	19900.1	115.2	-0.78	-0.21	19.58
	55	-2873.5	-12938.5	-115.2	0.78	0.03	6.03
43	50	6071.2	18256.6	159.6	-0.78	-0.27	13.07
	55	-6071.2	-11295.0	-159.6	0.78	0.07	9.33
44	50	4108.7	17804.0	-1433.9	-0.49	1.61	14.37
	55	-4108.7	-10842.4	1433.9	0.49	0.77	8.63
45	50	6809.1	20093.5	2545.3	-1.21	-3.08	15.66
	55	-6809.1	-13131.9	-2545.3	1.21	-1.03	8.08
46	50	5479.3	21215.4	2996.8	-1.30	-3.61	19.18
	55	-5479.3	-14253.8	-2996.8	1.30	-1.27	6.31
47	50	1638.2	21996.2	1664.3	-1.06	-2.03	24.80
	55	-1638.2	-15034.6	-1664.3	1.06	-0.71	3.43
48	50	-324.2	21543.6	70.8	-0.77	-0.15	26.09
	55	324.2	-14582.0	-70.8	0.77	-0.00	2.74
49	50	267.7	18584.9	-2766.4	-0.26	3.18	19.98
	55	-267.7	-11623.2	2766.4	0.26	1.33	5.76
50	50	-1062.2	19706.7	-2315.0	-0.34	2.65	23.50
	55	1062.2	-12745.1	2315.0	0.34	1.10	3.99
51	50	4269.0	9805.1	74.4	-0.14	-0.13	5.32
	55	-4269.0	-5335.6	-74.4	0.14	0.05	5.96
52	50	2680.9	9438.4	-1217.9	0.09	1.39	6.38
	55	-2680.9	-4968.9	1217.9	-0.09	0.63	5.39
53	50	4849.9	11296.6	2003.8	-0.49	-2.39	7.43
	55	-4849.9	-6827.1	-2003.8	0.49	-0.84	4.94
54	50	3759.6	12208.4	2365.3	-0.56	-2.82	10.29
	55	-3759.6	-7738.9	-2365.3	0.56	-1.03	3.50
55	50	634.8	12844.4	1279.3	-0.37	-1.54	14.86
	55	-634.8	-8374.8	-1279.3	0.37	-0.58	1.16
56	50	-953.3	12477.7	-12.9	-0.14	-0.02	15.92
	55	953.3	-8008.1	12.9	0.14	-0.00	0.59

	50	-443.9	10074.4	-2303.8	0.28	2.67	10.95
	55	443.9	-5604.8	2303.8	-0.28	1.08	3.04
58	50	-1534.2	10986.1	-1942.3	0.21	2.25	13.82
	55	1534.2	-6516.6	1942.3	-0.21	0.89	1.60
1	55	2290.8	6932.1	26.8	-0.05	-0.13	-4.36
	56	-2290.8	-988.8	-26.8	0.05	0.09	10.56
2	55	4120.0	12589.5	73.7	-0.36	-0.21	-8.49
	56	-4120.0	-2896.1	-73.7	0.36	0.10	20.61
3	55	25840.3	12326.8	1357.7	-0.26	-2.36	-8.26
	56	-25840.3	-2633.4	-1357.7	0.26	0.23	19.97
4	55	28990.4	14900.8	632.2	-0.27	-3.00	-10.31
	56	-28990.4	-3407.3	-1165.6	0.27	1.60	24.64
5	55	29650.1	12001.0	1472.3	-0.23	-2.49	-8.75
	56	-29650.1	-2307.6	-1472.3	0.23	0.18	19.95
6	55	26894.8	10108.3	1995.6	-0.20	-1.99	-7.16
	56	-26894.8	-1764.9	-1610.8	0.20	-0.83	16.45
7	55	-21755.3	13204.1	-1338.3	-0.49	2.08	-8.19
	56	21755.3	-3510.6	1338.3	0.49	0.01	21.27
8	55	-18605.2	15778.1	-2063.8	-0.50	1.43	-10.25
	56	18605.2	-4284.6	1530.4	0.50	1.38	25.94
9	55	-17945.5	12878.3	-1223.7	-0.46	1.95	-8.68
	56	17945.5	-3184.9	1223.7	0.46	-0.03	21.25
10	55	-20700.8	10985.6	-700.4	-0.43	2.44	-7.09
	56	20700.8	-2642.2	1085.2	0.43	-1.05	17.76
11	55	23540.8	9615.3	1291.6	-0.12	-2.26	-6.02
	56	-23540.8	-1797.0	-1291.6	0.12	0.24	14.95
12	55	-24054.8	10492.6	-1404.4	-0.35	2.17	-5.95
	56	24054.8	-2674.3	1404.4	0.35	0.03	16.25
13	55	28790.8	13905.4	82.4	-0.14	-3.34	-9.44
	56	-28790.8	-3086.9	-971.4	0.14	2.52	22.74
14	55	-18804.8	14782.7	-2613.6	-0.37	1.10	-9.37
	56	18804.8	-3964.2	1724.6	0.37	2.30	24.04
15	55	29890.4	9072.4	1482.6	-0.07	-2.49	-6.84
	56	-29890.4	-1254.0	-1482.6	0.07	0.17	14.92
16	55	-17705.2	9949.6	-1213.4	-0.30	1.95	-6.77
	56	17705.2	-2131.3	1213.4	0.30	-0.05	16.23
17	55	25298.2	5917.8	2354.8	-0.03	-1.66	-4.19
	56	-25298.2	-349.6	-1713.4	0.03	-1.52	9.09
18	55	-22297.4	6795.1	-341.2	-0.26	2.77	-4.12
	56	22297.4	-1226.8	982.7	0.26	-1.74	10.40
19	55	40791.0	9205.6	2232.9	-0.03	-3.79	-6.22
	56	-40791.0	-1387.3	-2232.9	0.03	0.30	14.51
20	55	-38535.1	10667.8	-2260.4	-0.41	3.60	-6.11
	56	38535.1	-2849.4	2260.4	0.41	-0.06	16.68
21	55	43941.0	11779.7	1507.4	-0.04	-4.44	-8.27
	56	-43941.0	-2161.3	-2040.8	0.04	1.66	19.18
22	55	-35385.0	13241.8	-2986.0	-0.43	2.96	-8.16
	56	35385.0	-3623.4	2452.5	0.43	1.30	21.36
23	55	44600.7	8879.9	2347.6	0.00	-3.93	-6.71
	56	-44600.7	-1061.5	-2347.6	-0.00	0.25	14.49
24	55	-34725.3	10342.0	-2145.8	-0.38	3.47	-6.60
	56	34725.3	-2523.6	2145.8	0.38	-0.11	16.67
25	55	41845.4	6987.1	2870.8	0.03	-3.43	-5.12
	56	-41845.4	-518.8	-2486.0	-0.03	-0.76	10.99
26	55	-37480.6	8449.3	-1622.5	-0.36	3.96	-5.01

	56	37480.6	-1981.0	2007.4	0.36	-1.12	13.17
27	55	7277.1	7051.0	577.7	-0.23	-0.15	-9.22
	56	-7277.1	-67.0	-577.7	0.23	-0.49	14.87
28	55	5214.2	7450.4	-12.8	-0.04	-0.82	-8.54
	56	-5214.2	-466.4	12.8	0.04	1.05	14.67
29	55	7337.3	7787.4	1104.4	-0.52	0.86	-8.00
	56	-7337.3	-803.5	-1104.4	0.52	-2.43	14.97
30	55	1888.0	9483.7	-18.8	-0.27	-0.05	-5.15
	56	-1888.0	-2499.8	18.8	0.27	0.01	14.52
31	55	573.0	10486.4	114.2	-0.44	0.51	-3.48
	56	-573.0	-3502.5	-114.2	0.44	-0.90	14.49
32	55	-1489.8	10885.8	-476.3	-0.25	-0.15	-2.80
	56	1489.8	-3901.8	476.3	0.25	0.64	14.29
33	55	461.1	9118.7	-864.0	0.10	-1.37	-5.73
	56	-461.1	-2134.8	864.0	-0.10	2.71	14.30
34	55	-1550.1	10149.3	-1003.0	0.04	-1.17	-4.01
	56	1550.1	-3165.4	1003.0	-0.04	2.58	14.19
35	55	2283.9	7082.6	35.1	-0.14	-0.13	-4.63
	56	-2283.9	-1348.7	-35.1	0.14	0.07	11.23
36	55	289.2	5314.0	-23.2	-0.05	-0.05	-3.08
	56	-289.2	-830.2	23.2	0.05	0.08	7.89
37	55	2389.2	7030.0	-506.9	-0.06	-0.48	-4.45
	56	-2389.2	-1346.1	151.3	0.06	0.99	11.00
38	55	2829.1	5096.8	53.2	-0.03	-0.14	-3.41
	56	-2829.1	-613.0	-53.2	0.03	0.05	7.88
39	55	992.2	3835.0	402.1	-0.01	0.19	-2.35
	56	-992.2	-251.2	-145.5	0.01	-0.62	5.54
40	55	17539.4	4904.3	918.1	0.04	-1.58	-3.28
	56	-17539.4	-420.5	-918.1	-0.04	0.14	7.45
41	55	-14191.0	5489.2	-879.2	-0.12	1.38	-3.23
	56	14191.0	-1005.3	879.2	0.12	-0.01	8.32
42	55	2893.6	8968.4	50.7	-0.24	-0.15	-6.01
	56	-2893.6	-1984.4	-50.7	0.24	0.07	14.58
43	55	7362.0	6990.6	550.6	-0.23	-0.18	-9.32
	56	-7362.0	-6.6	-550.6	0.23	-0.44	14.87
44	55	5272.4	7395.0	14.9	-0.04	-0.79	-8.63
	56	-5272.4	-411.0	-14.9	0.04	0.96	14.68
45	55	7403.3	7761.7	1013.1	-0.52	0.75	-8.06
	56	-7403.3	-777.8	-1013.1	0.52	-2.21	14.96
46	55	5349.2	8827.1	873.8	-0.58	0.95	-6.28
	56	-5349.2	-1843.2	-873.8	0.58	-2.32	14.84
47	55	514.8	10541.8	86.5	-0.44	0.48	-3.39
	56	-514.8	-3557.9	-86.5	0.44	-0.81	14.48
48	55	-1574.7	10946.2	-449.1	-0.25	-0.12	-2.69
	56	1574.7	-3962.3	449.1	0.25	0.59	14.29
49	55	438.0	9109.7	-772.4	0.10	-1.26	-5.74
	56	-438.0	-2125.7	772.4	-0.10	2.47	14.31
50	55	-1616.1	10175.0	-911.6	0.04	-1.06	-3.96
	56	1616.1	-3191.1	911.6	-0.04	2.36	14.20
51	55	5325.5	3586.3	427.1	-0.03	-0.12	-5.96
	56	-5325.5	897.5	-427.1	0.03	-0.36	8.12
52	55	3629.0	3917.0	-9.0	0.12	-0.61	-5.39
	56	-3629.0	566.9	9.0	-0.12	0.79	7.96
53	55	5342.6	4212.2	803.1	-0.26	0.64	-4.93
	56	-5342.6	271.7	-803.1	0.26	-1.79	8.19
54	55	3660.8	5079.2	689.4	-0.32	0.80	-3.48

	56	-3660.8	-595.4	-689.4	0.32	-1.88	8.09
55	55	-280.7	6476.6	47.9	-0.20	0.42	-1.13
	56	280.7	-1992.7	-47.9	0.20	-0.65	7.80
56	55	-1977.2	6807.2	-388.2	-0.05	-0.07	-0.56
	56	1977.2	-2323.3	388.2	0.05	0.49	7.64
57	55	-312.5	5314.3	-650.5	0.24	-1.00	-3.03
	56	312.5	-830.4	650.5	-0.24	2.02	7.67
58	55	-1994.3	6181.4	-764.3	0.19	-0.84	-1.58
	56	1994.3	-1697.5	764.3	-0.19	1.93	7.57
1	56	2284.4	-1048.7	-17.3	0.09	-0.08	-10.56
	57	-2284.4	6992.0	17.3	-0.09	0.11	4.27
2	56	4091.4	-2894.5	-91.8	0.42	-0.07	-20.62
	57	-4091.4	12587.9	91.8	-0.42	0.21	8.50
3	56	25431.5	-3863.1	-1713.8	0.59	0.24	-20.08
	57	-25431.5	13556.5	1713.8	-0.59	2.44	6.45
4	56	28600.9	-4767.0	-1354.5	0.68	-1.16	-24.74
	57	-28600.9	16260.4	821.1	-0.68	2.86	8.29
5	56	29270.3	-4187.9	-1599.8	0.62	0.23	-20.05
	57	-29270.3	13881.3	1599.8	-0.62	2.27	5.91
6	56	26500.4	-3468.1	-1856.3	0.57	1.27	-16.56
	57	-26500.4	11811.5	2241.2	-0.57	1.94	4.60
7	56	-21436.6	-1575.3	1402.9	0.22	-0.36	-21.19
	57	21436.6	11268.7	-1402.9	-0.22	-1.83	11.14
8	56	-18267.2	-2479.1	1762.2	0.30	-1.77	-25.85
	57	18267.2	13972.6	-2295.6	-0.30	-1.41	12.98
9	56	-17597.8	-1900.0	1516.9	0.24	-0.38	-21.16
	57	17597.8	11593.5	-1516.9	-0.24	-2.00	10.60
10	56	-20367.7	-1180.2	1260.4	0.19	0.67	-17.66
	57	20367.7	9523.6	-875.5	-0.19	-2.34	9.29
11	56	23132.1	-2823.3	-1719.0	0.42	0.24	-15.07
	57	-23132.1	10641.7	1719.0	-0.42	2.45	4.53
12	56	-23736.0	-535.5	1397.7	0.04	-0.37	-16.17
	57	23736.0	8353.8	-1397.7	-0.04	-1.82	9.21
13	56	28414.4	-4329.7	-1120.1	0.56	-2.10	-22.84
	57	-28414.4	15148.2	231.1	-0.56	3.16	7.60
14	56	-18453.7	-2041.8	1996.6	0.18	-2.71	-23.94
	57	18453.7	12860.3	-2885.6	-0.18	-1.11	12.28
15	56	29530.1	-3364.7	-1528.9	0.46	0.22	-15.02
	57	-29530.1	11183.0	1528.9	-0.46	2.17	3.63
16	56	-17338.0	-1076.8	1587.8	0.09	-0.39	-16.12
	57	17338.0	8895.1	-1587.8	-0.09	-2.10	8.32
17	56	24913.5	-2165.0	-1956.5	0.38	1.95	-9.20
	57	-24913.5	7733.3	2597.9	-0.38	1.61	1.45
18	56	-21954.5	122.9	1160.2	0.00	1.35	-10.30
	57	21954.5	5445.4	-518.8	-0.00	-2.66	6.14
19	56	40150.7	-3702.8	-2715.5	0.55	0.44	-14.69
	57	-40150.7	11521.2	2715.5	-0.55	3.81	2.77
20	56	-37962.7	110.3	2479.0	-0.07	-0.57	-16.53
	57	37962.7	7708.0	-2479.0	0.07	-3.31	10.58
21	56	43320.1	-4606.7	-2356.1	0.64	-0.97	-19.35
	57	-43320.1	14225.1	1822.7	-0.64	4.24	4.61
22	56	-34793.3	-793.5	2838.4	0.01	-1.98	-21.19
	57	34793.3	10411.9	-3371.8	-0.01	-2.88	12.42
23	56	43989.5	-4027.6	-2601.4	0.58	0.42	-14.66
	57	-43989.5	11846.0	2601.4	-0.58	3.65	2.23

	56	-34123.9	-214.5	2593.1	-0.05	-0.59	-16.50
	57	34123.9	8032.8	-2593.1	0.05	-3.47	10.04
25	56	41219.6	-3307.8	-2858.0	0.53	1.46	-11.16
	57	-41219.6	9776.1	3242.8	-0.53	3.31	0.93
26	56	-36893.9	505.3	2336.6	-0.10	0.45	-13.01
	57	36893.9	5963.0	-1951.7	0.10	-3.81	8.74
27	56	8593.4	-3945.6	-197.1	0.45	0.96	-14.89
	57	-8593.4	10929.5	197.1	-0.45	-0.47	3.18
28	56	6349.8	-3535.0	496.8	0.28	-0.62	-14.68
	57	-6349.8	10518.9	-496.8	-0.28	0.07	3.74
29	56	7992.8	-3206.0	-1153.0	0.59	2.65	-14.99
	57	-7992.8	10189.9	1153.0	-0.59	-0.85	4.29
30	56	1495.2	-1477.0	-121.7	0.26	-0.12	-14.52
	57	-1495.2	8460.9	121.7	-0.26	0.25	6.75
31	56	-601.1	-463.6	-615.0	0.28	0.51	-14.48
	57	601.1	7447.5	615.0	-0.28	0.23	8.23
32	56	-2844.7	-53.0	79.0	0.12	-1.07	-14.27
	57	2844.7	7036.9	-79.0	-0.12	0.77	8.80
33	56	514.2	-1837.2	1160.2	0.03	-2.62	-14.30
	57	-514.2	8821.1	-1160.2	-0.03	0.94	6.17
34	56	-2244.2	-792.6	1034.9	-0.02	-2.76	-14.17
	57	2244.2	7776.5	-1034.9	0.02	1.15	7.69
35	56	2272.0	-1384.0	-34.2	0.17	-0.06	-11.23
	57	-2272.0	7117.9	34.2	-0.17	0.12	4.58
36	56	273.8	-651.8	-51.8	0.05	-0.06	-7.89
	57	-273.8	5135.7	51.8	-0.05	0.14	3.36
37	56	2386.7	-1254.4	187.7	0.11	-1.00	-11.00
	57	-2386.7	6938.3	-543.3	-0.11	0.43	4.59
38	56	2833.0	-868.4	24.2	0.07	-0.07	-7.87
	57	-2833.0	5352.2	-24.2	-0.07	0.03	3.01
39	56	986.4	-388.5	-146.8	0.04	0.62	-5.55
	57	-986.4	3972.3	403.4	-0.04	-0.19	2.13
40	56	17292.4	-1531.3	-1048.3	0.19	0.13	-7.51
	57	-17292.4	6015.2	1048.3	-0.19	1.51	1.61
41	56	-13953.0	-6.1	1029.5	-0.06	-0.27	-8.25
	57	13953.0	4489.9	-1029.5	0.06	-1.34	4.73
42	56	2874.3	-1999.3	-59.1	0.28	-0.06	-14.58
	57	-2874.3	8983.2	59.1	-0.28	0.15	5.99
43	56	8716.5	-4008.4	-171.7	0.28	0.87	-14.90
	57	-8716.5	10992.4	171.7	-0.28	-0.45	3.09
44	56	6453.9	-3588.8	462.1	0.45	-0.57	-14.70
	57	-6453.9	10572.8	-462.1	-0.45	0.04	3.66
45	56	8058.5	-3238.4	-1054.2	0.04	2.41	-14.98
	57	-8058.5	10222.4	1054.2	-0.04	-0.76	4.25
46	56	5232.0	-2158.8	-1176.8	-0.01	2.28	-14.85
	57	-5232.0	9142.8	1176.8	0.01	-0.55	5.81
47	56	-705.3	-409.7	-580.3	0.12	0.45	-14.47
	57	705.3	7393.7	580.3	-0.12	0.26	8.31
48	56	-2967.8	9.9	53.6	0.28	-0.99	-14.27
	57	2967.8	6974.1	-53.6	-0.28	0.74	8.89
49	56	516.6	-1839.7	1058.7	0.58	-2.40	-14.31
	57	-516.6	8823.7	-1058.7	-0.58	0.85	6.17
50	56	-2309.9	-760.1	936.1	0.53	-2.52	-14.19
	57	2309.9	7744.1	-936.1	-0.53	1.06	7.73
51	56	6442.7	-2405.5	-101.7	0.07	0.69	-8.14
	57	-6442.7	6889.3	101.7	-0.07	-0.40	0.81

	56	4600.8	-2061.7	414.2	0.20	-0.48	-7.97
	57	-4600.8	6545.5	-414.2	-0.20	-0.01	1.28
53	56	5895.1	-1781.2	-819.6	-0.13	1.94	-8.20
	57	-5895.1	6265.0	819.6	0.13	-0.66	1.75
54	56	3583.9	-902.3	-919.0	-0.17	1.84	-8.10
	57	-3583.9	5386.1	919.0	0.17	-0.49	3.02
55	56	-1261.3	524.3	-433.0	-0.07	0.35	-7.79
	57	1261.3	3959.6	433.0	0.07	0.17	5.06
56	56	-3103.2	868.1	82.9	0.06	-0.83	-7.63
	57	3103.2	3615.8	-82.9	-0.06	0.57	5.53
57	56	-244.5	-635.2	900.2	0.30	-1.97	-7.66
	57	244.5	5119.0	-900.2	-0.30	0.65	3.32
58	56	-2555.7	243.8	800.8	0.26	-2.08	-7.56
	57	2555.7	4240.1	-800.8	-0.26	0.83	4.59
1	57	2249.9	-9022.7	-30.5	0.25	-0.01	-4.29
	51	-2249.9	14947.0	30.5	-0.25	0.06	-14.40
2	57	4005.8	-18364.5	-188.7	1.23	0.02	-8.55
	51	-4005.8	28027.0	188.7	-1.23	0.28	-27.64
3	57	24914.6	-17927.1	4135.8	1.51	-1.87	-6.58
	51	-24914.6	27589.5	-4135.8	-1.51	-4.58	-28.92
4	57	28134.5	-22376.3	5262.2	1.68	-2.43	-8.39
	51	-28134.5	33833.1	-5793.9	-1.68	-6.19	-35.46
5	57	28781.0	-18279.8	4143.5	1.54	-1.76	-6.03
	51	-28781.0	27942.3	-4143.5	-1.54	-4.71	-30.02
6	57	25973.0	-14921.5	3245.0	1.42	-1.32	-4.75
	51	-25973.0	23238.2	-2861.3	-1.42	-3.45	-25.02
7	57	-21122.1	-18420.9	-4524.4	0.91	1.78	-11.11
	51	21122.1	28083.3	4524.4	-0.91	5.28	-25.16
8	57	-17902.1	-22870.1	-3398.0	1.08	1.22	-12.92
	51	17902.1	34326.8	2866.3	-1.08	3.67	-31.69
9	57	-17255.6	-18773.6	-4516.7	0.94	1.89	-10.56
	51	17255.6	28436.0	4516.7	-0.94	5.15	-26.26
10	57	-20063.6	-15415.3	-5415.2	0.82	2.33	-9.28
	51	20063.6	23732.0	5798.8	-0.82	6.41	-21.25
11	57	22630.2	-13129.1	4211.1	1.01	-1.93	-4.65
	51	-22630.2	20922.5	-4211.1	-1.01	-4.64	-21.91
12	57	-23406.4	-13622.9	-4449.0	0.41	1.72	-9.19
	51	23406.4	21416.3	4449.0	-0.41	5.22	-18.15
13	57	27996.8	-20544.5	6088.5	1.30	-2.86	-7.66
	51	-27996.8	31328.4	-6974.7	-1.30	-7.33	-32.80
14	57	-18039.9	-21038.3	-2571.7	0.70	0.79	-12.19
	51	18039.9	31822.2	1685.5	-0.70	2.53	-29.04
15	57	29074.3	-13717.0	4224.0	1.06	-1.74	-3.74
	51	-29074.3	21510.4	-4224.0	-1.06	-4.85	-23.74
16	57	-16962.3	-14210.8	-4436.2	0.46	1.91	-8.27
	51	16962.3	22004.2	4436.2	-0.46	5.01	-19.98
17	57	24394.2	-8119.9	2726.4	0.87	-1.00	-1.60
	51	-24394.2	13670.3	-2087.0	-0.87	-2.75	-15.40
18	57	-21642.4	-8613.7	-5933.8	0.26	2.65	-6.13
	51	21642.4	14164.1	6573.1	-0.26	7.11	-11.64
19	57	39382.1	-13091.6	7101.6	1.22	-3.10	-2.94
	51	-39382.1	20884.9	-7101.6	-1.22	-7.98	-23.56
20	57	-37345.6	-13914.5	-7332.0	0.22	2.98	-10.50
	51	37345.6	21707.9	7332.0	-0.22	8.45	-17.29
21	57	42602.1	-17540.8	8228.0	1.39	-3.66	-4.75

	51	-42602.1	27128.5	-8759.7	-1.39	-9.59	-30.09
22	57	-34125.7	-18363.8	-6205.6	0.39	2.42	-12.30
	51	34125.7	27951.5	5673.9	-0.39	6.84	-23.82
23	57	43248.6	-13444.3	7109.3	1.25	-2.99	-2.39
	51	-43248.6	21237.7	-7109.3	-1.25	-8.10	-24.66
24	57	-33479.1	-14267.3	-7324.3	0.25	3.10	-9.95
	51	33479.1	22060.7	7324.3	-0.25	8.33	-18.39
25	57	40440.6	-10086.0	6210.8	1.13	-2.55	-1.11
	51	-40440.6	16533.6	-5827.2	-1.13	-6.84	-19.65
26	57	-36287.2	-10909.0	-8222.8	0.13	3.54	-8.66
	51	36287.2	17356.6	8606.5	-0.13	9.59	-13.38
27	57	9914.6	-15070.2	-1769.4	1.02	0.79	-3.23
	51	-9914.6	22031.8	1769.4	-1.02	2.01	-25.67
28	57	7448.6	-14605.3	-136.4	0.78	0.06	-3.80
	51	-7448.6	21566.9	136.4	-0.78	0.17	-24.45
29	57	8684.9	-14297.0	-3095.5	1.25	1.35	-4.32
	51	-8684.9	21258.6	3095.5	-1.25	3.53	-23.29
30	57	1055.0	-12394.3	122.5	0.80	-0.11	-6.78
	51	-1055.0	19356.0	-122.5	-0.80	-0.09	-17.99
31	57	-1818.6	-11311.1	-114.9	0.87	-0.04	-8.25
	51	1818.6	18272.8	114.9	-0.87	0.20	-14.79
32	57	-4284.6	-10846.2	1518.1	0.63	-0.77	-8.82
	51	4284.6	17807.8	-1518.1	-0.63	-1.64	-13.57
33	57	465.1	-12747.1	2347.9	0.44	-1.07	-6.22
	51	-465.1	19708.8	-2347.9	-0.44	-2.62	-19.22
34	57	-3054.9	-11619.4	2844.2	0.40	-1.32	-7.72
	51	3054.9	18581.0	-2844.2	-0.40	-3.16	-15.96
35	57	2229.7	-9844.3	-72.9	0.50	0.00	-4.60
	51	-2229.7	15559.8	72.9	-0.50	0.11	-15.21
36	57	237.9	-6603.3	-23.9	0.16	-0.05	-3.39
	51	-237.9	11072.8	23.9	-0.16	0.09	-10.40
37	57	2384.6	-9569.4	727.0	0.28	-0.42	-4.59
	51	-2384.6	15235.2	-1081.5	-0.28	-0.99	-14.76
38	57	2815.6	-6838.4	-18.8	0.18	0.03	-3.02
	51	-2815.6	11308.0	18.8	-0.18	0.00	-11.14
39	57	943.6	-4599.6	-617.8	0.11	0.32	-2.16
	51	-943.6	8171.9	873.6	-0.11	0.84	-7.80
40	57	16989.9	-6565.7	2866.5	0.37	-1.22	-1.68
	51	-16989.9	11035.2	-2866.5	-0.37	-3.25	-12.05
41	57	-13701.2	-6894.9	-2906.9	-0.03	1.21	-4.70
	51	13701.2	11364.4	2906.9	0.03	3.33	-9.55
42	57	2815.0	-12958.2	-125.6	0.83	0.01	-6.02
	51	-2815.0	19919.8	125.6	-0.83	0.19	-19.62
43	57	10075.4	-15136.8	-1727.3	1.01	0.76	-3.14
	51	-10075.4	22098.4	1727.3	-1.01	1.96	-25.87
44	57	7600.8	-14667.7	-233.2	0.79	0.11	-3.72
	51	-7600.8	21629.3	233.2	-0.79	0.27	-24.62
45	57	8746.2	-14323.3	-2872.1	1.22	1.24	-4.28
	51	-8746.2	21284.9	2872.1	-1.22	3.28	-23.39
46	57	5132.3	-13156.9	-2359.4	1.17	0.98	-5.84
	51	-5132.3	20118.5	2359.4	-1.17	2.72	-20.02
47	57	-1970.9	-11248.7	-18.1	0.86	-0.08	-8.33
	51	1970.9	18210.3	18.1	-0.86	0.10	-14.62
48	57	-4445.4	-10779.6	1476.0	0.64	-0.74	-8.90
	51	4445.4	17741.2	-1476.0	-0.64	-1.59	-13.37
49	57	497.7	-12759.5	2108.1	0.48	-0.96	-6.21

	51	-497.7	19721.2	-2108.1	-0.48	-2.35	-19.23
50	57	-3116.2	-11593.1	2620.8	0.44	-1.21	-7.76
	51	3116.2	18554.7	-2620.8	-0.44	-2.91	-15.85
51	57	7573.9	-8504.0	-1321.3	0.32	0.61	-0.84
	51	-7573.9	12973.5	1321.3	-0.32	1.48	-15.89
52	57	5555.6	-8120.3	-104.5	0.14	0.07	-1.31
	51	-5555.6	12589.9	104.5	-0.14	0.11	-14.87
53	57	6484.4	-7844.3	-2256.0	0.49	0.99	-1.77
	51	-6484.4	12313.8	2256.0	-0.49	2.56	-13.88
54	57	3532.1	-6895.2	-1840.4	0.46	0.78	-3.03
	51	-3532.1	11364.7	1840.4	-0.46	2.10	-11.13
55	57	-2266.9	-5340.3	64.1	0.20	-0.08	-5.06
	51	2266.9	9809.8	-64.1	-0.20	-0.03	-6.73
56	57	-4285.3	-4956.6	1280.9	0.03	-0.62	-5.53
	51	4285.3	9426.2	-1280.9	-0.03	-1.40	-5.71
57	57	-243.5	-6565.5	1800.0	-0.11	-0.80	-3.34
	51	243.5	11035.0	-1800.0	0.11	-2.02	-10.47
58	57	-3195.7	-5616.4	2215.6	-0.14	-1.01	-4.61
	51	3195.7	10085.9	-2215.6	0.14	-2.48	-7.72
1	51	671.9	10318.6	-120.3	-0.04	0.30	10.62
	58	-671.9	-3767.7	120.3	0.04	-0.09	1.53
2	51	1094.3	19153.1	-156.5	-0.35	0.47	20.56
	58	-1094.3	-8468.7	156.5	0.35	-0.20	3.26
3	51	14034.6	12691.8	-5501.6	-0.46	4.95	12.45
	58	-14034.6	-2007.3	5501.6	0.46	4.54	0.23
4	51	15269.3	16460.0	-5895.0	-0.16	4.93	16.50
	58	-15269.3	-3791.5	5307.1	0.16	4.74	0.97
5	51	15776.2	11468.4	-5376.4	-0.48	4.80	10.56
	58	-15776.2	-784.0	5376.4	0.48	4.48	0.01
6	51	14666.8	8813.9	-4982.6	-0.67	4.68	7.78
	58	-14666.8	382.5	5406.8	0.67	4.28	-0.50
7	51	-13746.5	26946.6	5047.7	-0.23	-3.85	30.73
	58	13746.5	-16262.2	-5047.7	0.23	-4.86	6.53
8	51	-12511.8	30714.9	4654.2	0.07	-3.87	34.79
	58	12511.8	-18046.3	-5242.2	-0.07	-4.66	7.27
9	51	-12005.0	25723.3	5172.9	-0.25	-4.00	28.85
	58	12005.0	-15038.8	-5172.9	0.25	-4.92	6.31
10	51	-13114.3	23068.8	5566.6	-0.43	-4.12	26.06
	58	13114.3	-13872.4	-5142.4	0.43	-5.12	5.80
11	51	13189.9	8718.6	-5530.5	-0.29	4.93	8.16
	58	-13189.9	-100.9	5530.5	0.29	4.61	-0.56
12	51	-14591.2	22973.4	5018.8	-0.06	-3.87	26.45
	58	14591.2	-14355.8	-5018.8	0.06	-4.79	5.75
13	51	15247.8	14998.9	-6186.2	0.20	4.88	14.92
	58	-15247.8	-3074.5	5206.3	-0.20	4.94	0.67
14	51	-12533.3	29253.8	4363.0	0.43	-3.92	33.20
	58	12533.3	-17329.3	-5343.0	-0.43	-4.45	6.97
15	51	16092.5	6679.6	-5321.8	-0.33	4.67	5.02
	58	-16092.5	1938.1	5321.8	0.33	4.51	-0.93
16	51	-11688.6	20934.5	5227.5	-0.10	-4.13	23.30
	58	11688.6	-12316.8	-5227.5	0.10	-4.89	5.38
17	51	14243.6	2255.4	-4665.5	-0.64	4.47	0.38
	58	-14243.6	3882.1	5372.5	0.64	4.18	-1.78
18	51	-13537.5	16510.3	5883.8	-0.41	-4.33	18.66
	58	13537.5	-10372.7	-5176.7	0.41	-5.21	4.52

	51	23083.8	3522.9	-8999.9	-0.38	7.80	1.38
	58	-23083.8	5094.8	8999.9	0.38	7.72	-2.74
20	51	-23218.1	27281.0	8582.2	0.01	-6.86	31.86
	58	23218.1	-18663.3	-8582.2	-0.01	-7.94	7.77
21	51	24318.5	7291.1	-9393.4	-0.08	7.78	5.43
	58	-24318.5	3310.6	8805.4	0.08	7.92	-2.00
22	51	-21983.4	31049.2	8188.7	0.30	-6.89	35.91
	58	21983.4	-20447.5	-8776.7	-0.30	-7.74	8.50
23	51	24825.3	2299.5	-8874.7	-0.40	7.65	-0.51
	58	-24825.3	6318.2	8874.7	0.40	7.66	-2.96
24	51	-21476.5	26057.6	8707.4	-0.02	-7.02	29.97
	58	21476.5	-17440.0	-8707.4	0.02	-8.00	7.55
25	51	23716.0	-355.0	-8480.9	-0.59	7.53	-3.29
	58	-23716.0	7484.6	8905.1	0.59	7.46	-3.47
26	51	-22585.9	23403.1	9101.2	-0.20	-7.14	27.19
	58	22585.9	-16273.5	-8677.0	0.20	-8.20	7.03
27	51	3103.2	8887.9	-333.0	-0.52	0.80	7.38
	58	-3103.2	-1189.9	333.0	0.52	-0.36	1.31
28	51	2102.9	7711.4	-872.8	-0.20	1.65	5.61
	58	-2102.9	-13.5	872.8	0.20	-0.13	1.05
29	51	2976.1	14010.8	645.0	-0.82	-0.81	15.14
	58	-2976.1	-6312.8	-645.0	0.82	-0.56	2.40
30	51	199.8	15264.7	43.9	-0.20	0.05	17.07
	58	-199.8	-7566.7	-43.9	0.20	-0.11	2.62
31	51	-594.1	19603.3	662.0	-0.27	-1.00	23.65
	58	594.1	-11905.4	-662.0	0.27	-0.15	3.53
32	51	-1594.3	18426.9	122.2	0.05	-0.16	21.87
	58	1594.3	-10728.9	-122.2	-0.05	0.08	3.27
33	51	-358.1	10089.4	-1154.3	0.27	2.00	9.24
	58	358.1	-2391.4	1154.3	-0.27	0.21	1.52
34	51	-1467.3	13304.0	-855.8	0.34	1.46	14.11
	58	1467.3	-5606.0	855.8	-0.34	0.28	2.18
35	51	613.6	10712.5	-93.3	-0.13	0.27	11.32
	58	-613.6	-4392.4	93.3	0.13	-0.11	1.71
36	51	-160.7	8211.8	-128.2	-0.02	0.27	8.69
	58	160.7	-3269.5	128.2	0.02	-0.05	1.22
37	51	662.5	10723.9	-390.5	0.18	0.25	11.39
	58	-662.5	-4458.9	-1.5	-0.18	0.08	1.71
38	51	1000.4	7396.2	-44.7	-0.03	0.17	7.43
	58	-1000.4	-2453.9	44.7	0.03	-0.09	1.07
39	51	260.8	5626.5	217.8	-0.16	0.09	5.57
	58	-260.8	-1676.3	65.0	0.16	-0.22	0.73
40	51	9733.2	3016.1	-3597.7	-0.10	3.14	1.91
	58	-9733.2	1926.2	3597.7	0.10	3.06	-0.97
41	51	-8787.6	12519.3	3435.2	0.05	-2.72	14.10
	58	8787.6	-7577.1	-3435.2	-0.05	-3.20	3.24
42	51	754.4	13657.4	-105.4	-0.24	0.32	14.63
	58	-754.4	-5959.4	105.4	0.24	-0.14	2.29
43	51	3154.9	8715.7	-349.8	-0.51	0.83	7.12
	58	-3154.9	-1017.7	349.8	0.51	-0.34	1.27
44	51	2137.5	7516.1	-897.8	-0.21	1.70	5.31
	58	-2137.5	181.9	897.8	0.21	-0.14	1.01
45	51	3017.7	13994.3	652.4	-0.77	-0.85	15.12
	58	-3017.7	-6296.3	-652.4	0.77	-0.51	2.39
46	51	1882.7	17319.2	963.5	-0.69	-1.42	20.17
	58	-1882.7	-9621.2	-963.5	0.69	-0.44	3.08

	51	-628.6	19798.7	687.1	-0.26	-1.06	23.94
	58	628.6	-12100.7	-687.1	0.26	-0.14	3.57
48	51	-1646.1	18599.1	139.1	0.04	-0.18	22.13
	58	1646.1	-10901.1	-139.1	-0.04	0.06	3.31
49	51	-373.8	9995.6	-1174.2	0.22	2.06	9.09
	58	373.8	-2297.6	1174.2	-0.22	0.16	1.50
50	51	-1508.9	13320.5	-863.1	0.29	1.50	14.13
	58	1508.9	-5622.5	863.1	-0.29	0.22	2.19
51	51	2434.3	3749.2	-276.5	-0.25	0.62	0.42
	58	-2434.3	1193.1	276.5	0.25	-0.24	0.31
52	51	1607.4	2771.2	-715.9	-0.01	1.32	1.90
	58	-1607.4	2171.1	715.9	0.01	-0.07	0.09
53	51	2315.5	8045.5	526.6	-0.46	-0.73	3.49
	58	-2315.5	-3103.3	-526.6	0.46	-0.37	1.22
54	51	1386.7	10750.0	775.6	-0.40	-1.18	7.59
	58	-1386.7	-5807.8	-775.6	0.40	-0.32	1.78
55	51	-661.7	12764.3	553.4	-0.04	-0.89	14.10
	58	661.7	-7822.0	-553.4	0.04	-0.07	2.18
56	51	-1488.7	11786.2	114.0	0.20	-0.19	15.58
	58	1488.7	-6844.0	-114.0	-0.20	0.09	1.96
57	51	-441.1	4785.4	-938.0	0.34	1.61	8.41
	58	441.1	156.9	938.0	-0.34	0.18	0.49
58	51	-1369.9	7489.9	-689.1	0.41	1.15	12.51
	58	1369.9	-2547.6	689.1	-0.41	0.23	1.05
1	58	666.9	1611.5	-198.0	0.12	0.10	-1.53
	52	-666.9	4939.4	198.0	-0.12	0.24	-1.34
2	58	1071.8	2149.4	-379.7	0.61	0.23	-3.27
	52	-1071.8	8535.0	379.7	-0.61	0.42	-2.24
3	58	13363.6	-1951.4	4187.8	0.62	-3.76	-0.41
	52	-13363.6	12635.8	-4187.8	-0.62	-3.46	-12.17
4	58	14654.9	-2062.7	4852.4	1.09	-4.11	-1.11
	52	-14654.9	14731.2	-5440.4	-1.09	-4.77	-13.37
5	58	15130.9	-3179.7	4288.3	0.59	-3.74	-0.18
	52	-15130.9	13864.1	-4288.3	-0.59	-3.65	-14.52
6	58	13981.4	-2954.1	3801.5	0.28	-3.45	0.31
	52	-13981.4	12150.4	-3377.3	-0.28	-2.74	-13.33
7	58	-13149.6	7587.6	-5061.9	0.63	4.21	-6.38
	52	13149.6	3096.8	5061.9	-0.63	4.52	10.25
8	58	-11858.3	7476.4	-4397.2	1.10	3.86	-7.08
	52	11858.3	5192.1	3809.2	-1.10	3.22	9.05
9	58	-11382.3	6359.3	-4961.3	0.60	4.23	-6.14
	52	11382.3	4325.1	4961.3	-0.60	4.33	7.90
10	58	-12531.8	6585.0	-5448.1	0.29	4.53	-5.66
	52	12531.8	2611.3	5872.3	-0.29	5.24	9.08
11	58	12518.0	-1774.6	4240.4	0.39	-3.83	0.37
	52	-12518.0	10392.3	-4240.4	-0.39	-3.48	-10.87
12	58	-13995.2	7764.4	-5009.2	0.40	4.14	-5.59
	52	13995.2	853.2	5009.2	-0.40	4.50	11.55
13	58	14670.3	-1960.0	5348.2	1.18	-4.42	-0.80
	52	-14670.3	13884.5	-6328.2	-1.18	-5.66	-12.87
14	58	-11843.0	7579.0	-3901.4	1.18	3.56	-6.76
	52	11843.0	4345.4	2921.5	-1.18	2.33	9.55
15	58	15463.5	-3821.8	4408.1	0.34	-3.80	0.76
	52	-15463.5	12439.5	-4408.1	-0.34	-3.80	-14.78
16	58	-11049.7	5717.2	-4841.6	0.35	4.17	-5.20

	52	11049.7	2900.4	4841.6	-0.35	4.18	7.63
17	58	13547.8	-3445.7	3596.7	-0.17	-3.31	1.57
	52	-13547.8	9583.2	-2889.7	0.17	-2.29	-12.81
18	58	-12965.5	6093.4	-5652.9	-0.16	4.67	-4.39
	52	12965.5	44.2	6359.9	0.16	5.70	9.61
19	58	21998.9	-5400.1	7361.9	0.37	-6.49	2.44
	52	-21998.9	14017.7	-7361.9	-0.37	-6.21	-19.19
20	58	-22189.8	10498.3	-8054.2	0.39	6.80	-7.49
	52	22189.8	-1880.7	8054.2	-0.39	7.09	18.17
21	58	23290.3	-5511.3	8026.6	0.85	-6.83	1.74
	52	-23290.3	16113.1	-8614.5	-0.85	-7.52	-20.39
22	58	-20898.4	10387.1	-7389.5	0.86	6.45	-8.20
	52	20898.4	214.6	6801.6	-0.86	5.79	16.97
23	58	23766.2	-6628.4	7462.5	0.35	-6.47	2.68
	52	-23766.2	15246.1	-7462.5	-0.35	-6.41	-21.54
24	58	-20422.5	9270.0	-7953.6	0.36	6.82	-7.26
	52	20422.5	-652.4	7953.6	-0.36	6.90	15.82
25	58	22616.8	-6402.7	6975.6	0.04	-6.17	3.16
	52	-22616.8	13532.3	-6551.4	-0.04	-5.50	-20.36
26	58	-21571.9	9495.7	-8440.5	0.06	7.12	-6.78
	52	21571.9	-2366.1	8864.7	-0.06	7.81	17.01
27	58	4591.8	-4377.6	-1536.2	0.18	0.53	-1.35
	52	-4591.8	12075.5	1536.2	-0.18	2.17	-13.11
28	58	3344.8	-3213.1	-600.6	0.39	0.20	-1.07
	52	-3344.8	10911.1	600.6	-0.39	0.82	-10.85
29	58	3786.6	-1945.4	-2063.7	0.02	0.78	-2.43
	52	-3786.6	9643.3	2063.7	-0.02	2.91	-8.44
30	58	-228.7	3244.5	-21.0	0.45	0.10	-2.62
	52	228.7	4453.4	21.0	-0.45	-0.07	1.58
31	58	-1865.2	6453.0	75.2	0.43	0.13	-3.52
	52	1865.2	1244.9	-75.2	-0.43	-0.24	7.75
32	58	-3112.1	7617.5	1010.8	0.64	-0.20	-3.24
	52	3112.1	80.5	-1010.8	-0.64	-1.59	10.01
33	58	-369.9	1936.1	1054.9	0.72	-0.33	-1.51
	52	369.9	5761.9	-1054.9	-0.72	-1.61	-0.92
34	58	-2307.0	5185.3	1538.3	0.80	-0.45	-2.16
	52	2307.0	2512.7	-1538.3	-0.80	-2.33	5.34
35	58	604.9	1440.6	-202.1	0.25	0.12	-1.72
	52	-604.9	4879.5	202.1	-0.25	0.23	-1.25
36	58	-173.3	1707.1	-179.7	0.10	0.07	-1.22
	52	173.3	3235.2	179.7	-0.10	0.24	-0.10
37	58	687.7	1632.9	263.4	0.41	-0.16	-1.69
	52	-687.7	4632.1	-655.4	-0.41	-0.63	-0.90
38	58	1004.9	888.2	-112.7	0.08	0.08	-1.07
	52	-1004.9	4054.1	112.7	-0.08	0.11	-1.67
39	58	238.7	1038.7	-437.2	-0.13	0.28	-0.74
	52	-238.7	2911.6	720.0	0.13	0.72	-0.87
40	58	9307.7	-1918.4	2941.7	0.08	-2.58	0.85
	52	-9307.7	6860.7	-2941.7	-0.08	-2.49	-8.42
41	58	-8367.8	4441.0	-3224.7	0.09	2.74	-3.12
	52	8367.8	501.3	3224.7	-0.09	2.83	6.52
42	58	739.8	1619.9	-262.7	0.41	0.16	-2.30
	52	-739.8	6078.0	262.7	-0.41	0.29	-1.55
43	58	4685.2	-4579.8	-1548.9	0.19	0.52	-1.31
	52	-4685.2	12277.8	1548.9	-0.19	2.20	-13.49
44	58	3429.7	-3383.5	-653.9	0.37	0.22	-1.03

	52	-3429.7	11081.4	653.9	-0.37	0.89	-11.18
45	58	3827.7	-2054.4	-2005.9	0.06	0.72	-2.41
	52	-3827.7	9752.4	2005.9	-0.06	2.86	-8.64
46	58	1837.1	1306.5	-1502.6	0.14	0.60	-3.09
	52	-1837.1	6391.4	1502.6	-0.14	2.10	-2.17
47	58	-1950.1	6623.4	128.5	0.45	0.11	-3.56
	52	1950.1	1074.6	-128.5	-0.45	-0.31	8.08
48	58	-3205.6	7819.7	1023.5	0.63	-0.19	-3.28
	52	3205.6	-121.8	-1023.5	-0.63	-1.62	10.39
49	58	-357.5	1933.4	977.2	0.68	-0.27	-1.50
	52	357.5	5764.6	-977.2	-0.68	-1.52	-0.93
50	58	-2348.1	5294.3	1480.5	0.76	-0.39	-2.18
	52	2348.1	2403.6	-1480.5	-0.76	-2.28	5.54
51	58	3691.7	-3782.8	-1177.7	-0.10	0.37	-0.33
	52	-3691.7	8725.1	1177.7	0.10	1.71	-10.67
52	58	2666.6	-2807.2	-453.8	0.06	0.12	-0.11
	52	-2666.6	7749.4	453.8	-0.06	0.64	-8.78
53	58	2991.1	-1731.7	-1550.3	-0.20	0.53	-1.23
	52	-2991.1	6673.9	1550.3	0.20	2.24	-6.73
54	58	1365.6	1002.1	-1145.8	-0.14	0.43	-1.78
	52	-1365.6	3940.2	1145.8	0.14	1.63	-1.46
55	58	-1726.8	5329.7	170.8	0.12	0.03	-2.16
	52	1726.8	-387.5	-170.8	-0.12	-0.31	6.88
56	58	-2751.8	6305.4	894.7	0.27	-0.21	-1.94
	52	2751.8	-1363.1	-894.7	-0.27	-1.37	8.77
57	58	-425.7	1520.5	862.7	0.31	-0.27	-0.49
	52	425.7	3421.7	-862.7	-0.31	-1.30	-0.44
58	58	-2051.2	4254.3	1267.3	0.37	-0.38	-1.04
	52	2051.2	688.0	-1267.3	-0.37	-1.91	4.82
1	72	-1420.8	749.8	0.0	0.00	0.00	0.00
	71	1420.8	622.5	0.0	-0.00	0.00	0.00
2	72	-2246.6	3534.5	0.0	-0.00	0.00	0.00
	71	2246.6	2850.3	0.0	0.00	0.00	0.00
3	72	-14123.6	3534.5	0.0	-0.00	0.00	0.00
	71	14123.6	2850.3	0.0	0.00	0.00	0.00
4	72	-13898.6	4871.2	320.8	0.00	0.00	0.00
	71	13898.6	3919.6	256.6	-0.00	0.00	0.00
5	72	-13354.1	3534.5	0.0	0.00	0.00	0.00
	71	13354.1	2850.3	0.0	-0.00	0.00	0.00
6	72	-13547.4	2532.0	-240.6	-0.00	0.00	0.00
	71	13547.4	2048.3	-192.5	0.00	0.00	0.00
7	72	8752.5	3534.5	0.0	-0.00	0.00	0.00
	71	-8752.5	2850.3	0.0	0.00	0.00	0.00
8	72	8977.6	4871.2	320.8	0.00	0.00	0.00
	71	-8977.6	3919.6	256.6	-0.00	0.00	0.00
9	72	9522.1	3534.5	0.0	0.00	0.00	0.00
	71	-9522.1	2850.3	0.0	-0.00	0.00	0.00
10	72	9328.7	2532.0	-240.6	-0.00	0.00	0.00
	71	-9328.7	2048.3	-192.5	0.00	0.00	0.00
11	72	-14003.4	2142.1	0.0	-0.00	0.00	0.00
	71	14003.4	1736.4	0.0	0.00	0.00	0.00
12	72	8872.8	2142.1	0.0	-0.00	0.00	0.00
	71	-8872.8	1736.4	0.0	0.00	0.00	0.00
13	72	-13628.3	4369.9	534.7	0.00	0.00	0.00
	71	13628.3	3518.6	427.7	-0.00	0.00	0.00

	72	9247.8	4369.9	534.7	0.00	0.00	0.00
	71	-9247.8	3518.6	427.7	-0.00	0.00	0.00
15	72	-12720.8	2142.1	0.0	0.00	0.00	0.00
	71	12720.8	1736.4	0.0	-0.00	0.00	0.00
16	72	10155.3	2142.1	0.0	0.00	0.00	0.00
	71	-10155.3	1736.4	0.0	-0.00	0.00	0.00
17	72	-13043.1	471.3	-401.0	-0.00	0.00	0.00
	71	13043.1	399.7	-320.8	0.00	0.00	0.00
18	72	9833.1	471.3	-401.0	-0.00	0.00	0.00
	71	-9833.1	399.7	-320.8	0.00	0.00	0.00
19	72	-21336.1	2142.1	0.0	-0.00	0.00	0.00
	71	21336.1	1736.4	0.0	0.00	0.00	0.00
20	72	16790.8	2142.1	0.0	-0.00	0.00	0.00
	71	-16790.8	1736.4	0.0	0.00	0.00	0.00
21	72	-21111.1	3478.8	320.8	0.00	0.00	0.00
	71	21111.1	2805.7	256.6	-0.00	0.00	0.00
22	72	17015.8	3478.8	320.8	0.00	0.00	0.00
	71	-17015.8	2805.7	256.6	-0.00	0.00	0.00
23	72	-20566.6	2142.1	0.0	0.00	0.00	0.00
	71	20566.6	1736.4	0.0	-0.00	0.00	0.00
24	72	17560.3	2142.1	0.0	-0.00	0.00	0.00
	71	-17560.3	1736.4	0.0	0.00	0.00	0.00
25	72	-20759.9	1139.6	-240.6	-0.00	0.00	0.00
	71	20759.9	934.4	-192.5	0.00	0.00	0.00
26	72	17367.0	1139.6	-240.6	-0.00	0.00	0.00
	71	-17367.0	934.4	-192.5	0.00	0.00	0.00
27	72	-3316.3	2368.0	0.0	0.00	0.00	0.00
	71	3316.3	1911.8	0.0	-0.00	0.00	0.00
28	72	-2241.7	2368.0	0.0	0.01	0.00	0.00
	71	2241.7	1911.8	0.0	-0.01	0.00	0.00
29	72	-3769.9	2368.0	0.0	-0.00	0.00	0.00
	71	3769.9	1911.8	0.0	0.00	0.00	0.00
30	72	-1292.9	2368.0	0.0	-0.00	0.00	0.00
	71	1292.9	1911.8	0.0	0.00	0.00	0.00
31	72	-1030.0	2368.0	0.0	-0.01	0.00	0.00
	71	1030.0	1911.8	0.0	0.01	0.00	0.00
32	72	44.7	2368.0	0.0	-0.00	0.00	0.00
	71	-44.7	1911.8	0.0	0.00	0.00	0.00
33	72	-187.6	2368.0	0.0	0.01	0.00	0.00
	71	187.6	1911.8	0.0	-0.01	0.00	0.00
34	72	498.3	2368.0	0.0	0.00	0.00	0.00
	71	-498.3	1911.8	0.0	-0.00	0.00	0.00
35	72	-1360.6	1439.7	0.0	-0.00	0.00	0.00
	71	1360.6	1169.2	0.0	0.00	0.00	0.00
36	72	-1378.0	511.5	0.0	-0.00	0.00	0.00
	71	1378.0	426.6	0.0	0.00	0.00	0.00
37	72	-1227.9	1402.6	213.9	0.00	0.00	0.00
	71	1227.9	1139.5	171.1	-0.00	0.00	0.00
38	72	-864.9	511.5	0.0	0.00	0.00	0.00
	71	864.9	426.6	0.0	-0.00	0.00	0.00
39	72	-993.8	-156.8	-160.4	-0.00	0.00	0.00
	71	993.8	-108.0	-128.3	0.00	0.00	0.00
40	72	-8710.7	511.5	0.0	0.00	0.00	0.00
	71	8710.7	426.6	0.0	-0.00	0.00	0.00
41	72	6540.1	511.5	0.0	-0.00	0.00	0.00
	71	-6540.1	426.6	0.0	0.00	0.00	0.00

	72	-1635.8	2368.0	0.0	-0.00	0.00	0.00
	71	1635.8	1911.8	0.0	0.00	0.00	0.00
43	72	-3362.4	2368.0	0.0	0.00	0.00	0.00
	71	3362.4	1911.8	0.0	-0.00	0.00	0.00
44	72	-2247.5	2368.0	0.0	0.01	0.00	0.00
	71	2247.5	1911.8	0.0	-0.01	0.00	0.00
45	72	-3844.7	2368.0	0.0	-0.01	0.00	0.00
	71	3844.7	1911.8	0.0	0.01	0.00	0.00
46	72	-3143.2	2368.0	0.0	-0.01	0.00	0.00
	71	3143.2	1911.8	0.0	0.01	0.00	0.00
47	72	-1024.1	2368.0	0.0	-0.01	0.00	0.00
	71	1024.1	1911.8	0.0	0.01	0.00	0.00
48	72	90.8	2368.0	0.0	-0.00	0.00	0.00
	71	-90.8	1911.8	0.0	0.00	0.00	0.00
49	72	-128.4	2368.0	0.0	0.01	0.00	0.00
	71	128.4	1911.8	0.0	-0.01	0.00	0.00
50	72	573.1	2368.0	0.0	0.00	0.00	0.00
	71	-573.1	1911.8	0.0	-0.00	0.00	0.00
51	72	-2495.1	511.5	0.0	0.00	0.00	0.00
	71	2495.1	426.6	0.0	-0.00	0.00	0.00
52	72	-1593.5	511.5	0.0	0.01	0.00	0.00
	71	1593.5	426.6	0.0	-0.01	0.00	0.00
53	72	-2875.7	511.5	0.0	-0.00	0.00	0.00
	71	2875.7	426.6	0.0	0.00	0.00	0.00
54	72	-2300.3	511.5	0.0	-0.01	0.00	0.00
	71	2300.3	426.6	0.0	0.01	0.00	0.00
55	72	-577.1	511.5	0.0	-0.01	0.00	0.00
	71	577.1	426.6	0.0	0.01	0.00	0.00
56	72	324.5	511.5	0.0	-0.00	0.00	0.00
	71	-324.5	426.6	0.0	0.00	0.00	0.00
57	72	129.7	511.5	0.0	0.01	0.00	0.00
	71	-129.7	426.6	0.0	-0.01	0.00	0.00
58	72	705.1	511.5	0.0	0.00	0.00	0.00
	71	-705.1	426.6	0.0	-0.00	0.00	0.00
1	72	-658.8	551.9	0.0	0.00	0.00	0.00
	73	658.8	551.9	0.0	-0.00	0.00	0.00
2	72	-995.2	2654.5	0.0	0.00	0.00	0.00
	73	995.2	2654.5	0.0	-0.00	0.00	0.00
3	72	-13834.9	2654.5	0.0	0.00	0.00	0.00
	73	13834.9	2654.5	0.0	-0.00	0.00	0.00
4	72	-13814.1	3663.7	-242.2	0.00	0.00	0.00
	73	13814.1	3663.7	-242.2	-0.00	0.00	0.00
5	72	-13708.9	2654.5	0.0	0.00	0.00	0.00
	73	13708.9	2654.5	0.0	-0.00	0.00	0.00
6	72	-13706.3	1897.5	181.7	-0.00	0.00	0.00
	73	13706.3	1897.5	181.7	0.00	0.00	0.00
7	72	11703.5	2654.5	0.0	0.00	0.00	0.00
	73	-11703.5	2654.5	0.0	-0.00	0.00	0.00
8	72	11724.4	3663.7	-242.2	0.00	0.00	0.00
	73	-11724.4	3663.7	-242.2	-0.00	0.00	0.00
9	72	11829.5	2654.5	0.0	0.00	0.00	0.00
	73	-11829.5	2654.5	0.0	-0.00	0.00	0.00
10	72	11832.2	1897.5	181.7	0.00	0.00	0.00
	73	-11832.2	1897.5	181.7	-0.00	0.00	0.00
11	72	-13713.8	1603.2	0.0	-0.00	0.00	0.00

	73	13713.8	1603.2	0.0	0.00	0.00	0.00
12	72	11824.7	1603.2	0.0	0.00	0.00	0.00
	73	-11824.7	1603.2	0.0	-0.00	0.00	0.00
13	72	-13679.0	3285.3	-403.7	0.00	0.00	0.00
	73	13679.0	3285.3	-403.7	-0.00	0.00	0.00
14	72	11859.5	3285.3	-403.7	0.00	0.00	0.00
	73	-11859.5	3285.3	-403.7	-0.00	0.00	0.00
15	72	-13503.8	1603.2	0.0	0.00	0.00	0.00
	73	13503.8	1603.2	0.0	-0.00	0.00	0.00
16	72	12034.7	1603.2	0.0	0.00	0.00	0.00
	73	-12034.7	1603.2	0.0	-0.00	0.00	0.00
17	72	-13499.3	341.6	302.8	-0.00	0.00	0.00
	73	13499.3	341.6	302.8	0.00	0.00	0.00
18	72	12039.1	341.6	302.8	0.00	0.00	0.00
	73	-12039.1	341.6	302.8	-0.00	0.00	0.00
19	72	-22179.6	1603.2	0.0	-0.00	0.00	0.00
	73	22179.6	1603.2	0.0	0.00	0.00	0.00
20	72	20384.5	1603.2	0.0	0.00	0.00	0.00
	73	-20384.5	1603.2	0.0	-0.00	0.00	0.00
21	72	-22158.7	2612.4	-242.2	0.00	0.00	0.00
	73	22158.7	2612.4	-242.2	-0.00	0.00	0.00
22	72	20405.4	2612.4	-242.2	0.00	0.00	0.00
	73	-20405.4	2612.4	-242.2	-0.00	0.00	0.00
23	72	-22053.6	1603.2	0.0	0.00	0.00	0.00
	73	22053.6	1603.2	0.0	-0.00	0.00	0.00
24	72	20510.5	1603.2	0.0	0.00	0.00	0.00
	73	-20510.5	1603.2	0.0	-0.00	0.00	0.00
25	72	-22050.9	846.2	181.7	-0.00	0.00	0.00
	73	22050.9	846.2	181.7	0.00	0.00	0.00
26	72	20513.2	846.2	181.7	0.00	0.00	0.00
	73	-20513.2	846.2	181.7	-0.00	0.00	0.00
27	72	-1865.6	1777.0	0.0	0.00	0.00	0.00
	73	1865.6	1777.0	0.0	-0.00	0.00	0.00
28	72	-1386.2	1777.0	0.0	0.00	0.00	0.00
	73	1386.2	1777.0	0.0	-0.00	0.00	0.00
29	72	-1795.0	1777.0	0.0	0.00	0.00	0.00
	73	1795.0	1777.0	0.0	-0.00	0.00	0.00
30	72	-456.0	1777.0	0.0	0.00	0.00	0.00
	73	456.0	1777.0	0.0	-0.00	0.00	0.00
31	72	-65.8	1777.0	0.0	0.00	0.00	0.00
	73	65.8	1777.0	0.0	-0.00	0.00	0.00
32	72	413.6	1777.0	0.0	-0.00	0.00	0.00
	73	-413.6	1777.0	0.0	0.00	0.00	0.00
33	72	-196.9	1777.0	0.0	-0.00	0.00	0.00
	73	196.9	1777.0	0.0	0.00	0.00	0.00
34	72	343.1	1777.0	0.0	-0.00	0.00	0.00
	73	-343.1	1777.0	0.0	0.00	0.00	0.00
35	72	-613.8	1076.1	0.0	0.00	0.00	0.00
	73	613.8	1076.1	0.0	-0.00	0.00	0.00
36	72	-548.7	375.2	0.0	-0.00	0.00	0.00
	73	548.7	375.2	0.0	0.00	0.00	0.00
37	72	-534.8	1048.1	-161.5	0.00	0.00	0.00
	73	534.8	1048.1	-161.5	-0.00	0.00	0.00
38	72	-464.7	375.2	0.0	0.00	0.00	0.00
	73	464.7	375.2	0.0	-0.00	0.00	0.00
39	72	-463.0	-129.4	121.1	-0.00	0.00	0.00

	73	463.0	-129.4	121.1	0.00	0.00	0.00
40	72	-9014.5	375.2	0.0	-0.00	0.00	0.00
	73	9014.5	375.2	0.0	0.00	0.00	0.00
41	72	8011.1	375.2	0.0	0.00	0.00	0.00
	73	-8011.1	375.2	0.0	-0.00	0.00	0.00
42	72	-726.0	1777.0	0.0	0.00	0.00	0.00
	73	726.0	1777.0	0.0	-0.00	0.00	0.00
43	72	-1893.7	1777.0	0.0	0.00	0.00	0.00
	73	1893.7	1777.0	0.0	-0.00	0.00	0.00
44	72	-1399.0	1777.0	0.0	0.00	0.00	0.00
	73	1399.0	1777.0	0.0	-0.00	0.00	0.00
45	72	-1826.6	1777.0	0.0	0.00	0.00	0.00
	73	1826.6	1777.0	0.0	-0.00	0.00	0.00
46	72	-1274.4	1777.0	0.0	0.00	0.00	0.00
	73	1274.4	1777.0	0.0	-0.00	0.00	0.00
47	72	-53.0	1777.0	0.0	0.00	0.00	0.00
	73	53.0	1777.0	0.0	-0.00	0.00	0.00
48	72	441.8	1777.0	0.0	-0.00	0.00	0.00
	73	-441.8	1777.0	0.0	0.00	0.00	0.00
49	72	-177.5	1777.0	0.0	-0.00	0.00	0.00
	73	177.5	1777.0	0.0	0.00	0.00	0.00
50	72	374.7	1777.0	0.0	-0.00	0.00	0.00
	73	-374.7	1777.0	0.0	0.00	0.00	0.00
51	72	-1455.9	375.2	0.0	0.00	0.00	0.00
	73	1455.9	375.2	0.0	-0.00	0.00	0.00
52	72	-1053.9	375.2	0.0	0.00	0.00	0.00
	73	1053.9	375.2	0.0	-0.00	0.00	0.00
53	72	-1397.6	375.2	0.0	0.00	0.00	0.00
	73	1397.6	375.2	0.0	-0.00	0.00	0.00
54	72	-945.7	375.2	0.0	0.00	0.00	0.00
	73	945.7	375.2	0.0	-0.00	0.00	0.00
55	72	50.5	375.2	0.0	-0.00	0.00	0.00
	73	-50.5	375.2	0.0	0.00	0.00	0.00
56	72	452.5	375.2	0.0	-0.00	0.00	0.00
	73	-452.5	375.2	0.0	0.00	0.00	0.00
57	72	-57.7	375.2	0.0	-0.00	0.00	0.00
	73	57.7	375.2	0.0	0.00	0.00	0.00
58	72	394.2	375.2	0.0	-0.00	0.00	0.00
	73	-394.2	375.2	0.0	0.00	0.00	0.00
1	73	-632.2	551.9	-0.0	0.00	0.00	0.00
	74	632.2	551.9	-0.0	-0.00	0.00	0.00
2	73	-955.8	2654.5	-0.0	0.00	0.00	0.00
	74	955.8	2654.5	-0.0	-0.00	0.00	0.00
3	73	-13907.4	2654.5	-0.0	-0.00	0.00	0.00
	74	13907.4	2654.5	-0.0	0.00	0.00	0.00
4	73	-13885.1	3663.7	-242.2	-0.00	0.00	0.00
	74	13885.1	3663.7	-242.2	0.00	0.00	0.00
5	73	-13781.6	2654.5	-0.0	-0.00	0.00	0.00
	74	13781.6	2654.5	-0.0	0.00	0.00	0.00
6	73	-13779.9	1897.5	181.7	-0.00	0.00	0.00
	74	13779.9	1897.5	181.7	0.00	0.00	0.00
7	73	11854.8	2654.5	-0.0	0.00	0.00	0.00
	74	-11854.8	2654.5	-0.0	-0.00	0.00	0.00
8	73	11877.2	3663.7	-242.2	0.00	0.00	0.00
	74	-11877.2	3663.7	-242.2	-0.00	0.00	0.00

	73	11980.7	2654.5	-0.0	0.00	0.00	0.00
	74	-11980.7	2654.5	-0.0	-0.00	0.00	0.00
10	73	11982.3	1897.5	181.7	0.00	0.00	0.00
	74	-11982.3	1897.5	181.7	-0.00	0.00	0.00
11	73	-13792.5	1603.2	-0.0	-0.00	0.00	0.00
	74	13792.5	1603.2	-0.0	0.00	0.00	0.00
12	73	11969.7	1603.2	-0.0	0.00	0.00	0.00
	74	-11969.7	1603.2	-0.0	-0.00	0.00	0.00
13	73	-13755.3	3285.3	-403.7	-0.00	0.00	0.00
	74	13755.3	3285.3	-403.7	0.00	0.00	0.00
14	73	12006.9	3285.3	-403.7	0.00	0.00	0.00
	74	-12006.9	3285.3	-403.7	-0.00	0.00	0.00
15	73	-13582.8	1603.2	-0.0	-0.00	0.00	0.00
	74	13582.8	1603.2	-0.0	0.00	0.00	0.00
16	73	12179.4	1603.2	-0.0	0.00	0.00	0.00
	74	-12179.4	1603.2	-0.0	-0.00	0.00	0.00
17	73	-13580.1	341.6	302.8	-0.00	0.00	0.00
	74	13580.1	341.6	302.8	0.00	0.00	0.00
18	73	12182.2	341.6	302.8	0.00	0.00	0.00
	74	-12182.2	341.6	302.8	-0.00	0.00	0.00
19	73	-22333.0	1603.2	-0.0	-0.00	0.00	0.00
	74	22333.0	1603.2	-0.0	0.00	0.00	0.00
20	73	20604.1	1603.2	-0.0	0.00	0.00	0.00
	74	-20604.1	1603.2	-0.0	-0.00	0.00	0.00
21	73	-22310.7	2612.4	-242.2	-0.00	0.00	0.00
	74	22310.7	2612.4	-242.2	0.00	0.00	0.00
22	73	20626.4	2612.4	-242.2	0.00	0.00	0.00
	74	-20626.4	2612.4	-242.2	-0.00	0.00	0.00
23	73	-22207.1	1603.2	-0.0	-0.00	0.00	0.00
	74	22207.1	1603.2	-0.0	0.00	0.00	0.00
24	73	20729.9	1603.2	-0.0	0.00	0.00	0.00
	74	-20729.9	1603.2	-0.0	-0.00	0.00	0.00
25	73	-22205.5	846.2	181.7	-0.00	0.00	0.00
	74	22205.5	846.2	181.7	0.00	0.00	0.00
26	73	20731.6	846.2	181.7	0.00	0.00	0.00
	74	-20731.6	846.2	181.7	-0.00	0.00	0.00
27	73	-1594.7	1777.0	-0.0	0.00	0.00	0.00
	74	1594.7	1777.0	-0.0	-0.00	0.00	0.00
28	73	-1145.3	1777.0	-0.0	-0.00	0.00	0.00
	74	1145.3	1777.0	-0.0	0.00	0.00	0.00
29	73	-1648.1	1777.0	-0.0	0.00	0.00	0.00
	74	1648.1	1777.0	-0.0	-0.00	0.00	0.00
30	73	-495.3	1777.0	-0.0	0.00	0.00	0.00
	74	495.3	1777.0	-0.0	-0.00	0.00	0.00
31	73	-249.1	1777.0	-0.0	0.00	0.00	0.00
	74	249.1	1777.0	-0.0	-0.00	0.00	0.00
32	73	200.3	1777.0	-0.0	0.00	0.00	0.00
	74	-200.3	1777.0	-0.0	-0.00	0.00	0.00
33	73	-150.0	1777.0	-0.0	-0.00	0.00	0.00
	74	150.0	1777.0	-0.0	0.00	0.00	0.00
34	73	253.7	1777.0	-0.0	-0.00	0.00	0.00
	74	-253.7	1777.0	-0.0	0.00	0.00	0.00
35	73	-589.3	1076.1	-0.0	0.00	0.00	0.00
	74	589.3	1076.1	-0.0	-0.00	0.00	0.00
36	73	-528.4	375.2	-0.0	0.00	0.00	0.00
	74	528.4	375.2	-0.0	-0.00	0.00	0.00

	73	-513.5	1048.1	-161.5	0.00	0.00	0.00
	74	513.5	1048.1	-161.5	-0.00	0.00	0.00
38	73	-444.5	375.2	-0.0	0.00	0.00	0.00
	74	444.5	375.2	-0.0	-0.00	0.00	0.00
39	73	-443.4	-129.4	121.1	0.00	0.00	0.00
	74	443.4	-129.4	121.1	-0.00	0.00	0.00
40	73	-9068.8	375.2	-0.0	-0.00	0.00	0.00
	74	9068.8	375.2	-0.0	0.00	0.00	0.00
41	73	8106.0	375.2	-0.0	0.00	0.00	0.00
	74	-8106.0	375.2	-0.0	-0.00	0.00	0.00
42	73	-697.2	1777.0	-0.0	0.00	0.00	0.00
	74	697.2	1777.0	-0.0	-0.00	0.00	0.00
43	73	-1614.9	1777.0	-0.0	-0.00	0.00	0.00
	74	1614.9	1777.0	-0.0	0.00	0.00	0.00
44	73	-1150.1	1777.0	-0.0	-0.00	0.00	0.00
	74	1150.1	1777.0	-0.0	0.00	0.00	0.00
45	73	-1677.5	1777.0	-0.0	0.00	0.00	0.00
	74	1677.5	1777.0	-0.0	-0.00	0.00	0.00
46	73	-1266.3	1777.0	-0.0	0.00	0.00	0.00
	74	1266.3	1777.0	-0.0	-0.00	0.00	0.00
47	73	-244.2	1777.0	-0.0	0.00	0.00	0.00
	74	244.2	1777.0	-0.0	-0.00	0.00	0.00
48	73	220.6	1777.0	-0.0	0.00	0.00	0.00
	74	-220.6	1777.0	-0.0	-0.00	0.00	0.00
49	73	-128.1	1777.0	-0.0	-0.00	0.00	0.00
	74	128.1	1777.0	-0.0	0.00	0.00	0.00
50	73	283.1	1777.0	-0.0	-0.00	0.00	0.00
	74	-283.1	1777.0	-0.0	0.00	0.00	0.00
51	73	-1231.3	375.2	-0.0	0.00	0.00	0.00
	74	1231.3	375.2	-0.0	-0.00	0.00	0.00
52	73	-854.6	375.2	-0.0	-0.00	0.00	0.00
	74	854.6	375.2	-0.0	0.00	0.00	0.00
53	73	-1277.6	375.2	-0.0	0.00	0.00	0.00
	74	1277.6	375.2	-0.0	-0.00	0.00	0.00
54	73	-940.7	375.2	-0.0	0.00	0.00	0.00
	74	940.7	375.2	-0.0	-0.00	0.00	0.00
55	73	-108.2	375.2	-0.0	0.00	0.00	0.00
	74	108.2	375.2	-0.0	-0.00	0.00	0.00
56	73	268.4	375.2	-0.0	0.00	0.00	0.00
	74	-268.4	375.2	-0.0	-0.00	0.00	0.00
57	73	-22.1	375.2	-0.0	-0.00	0.00	0.00
	74	22.1	375.2	-0.0	0.00	0.00	0.00
58	73	314.8	375.2	-0.0	-0.00	0.00	0.00
	74	-314.8	375.2	-0.0	0.00	0.00	0.00
1	74	-613.7	551.9	0.0	0.00	0.00	0.00
	75	613.7	551.9	0.0	-0.00	0.00	0.00
2	74	-927.6	2654.5	0.0	0.00	0.00	0.00
	75	927.6	2654.5	0.0	-0.00	0.00	0.00
3	74	-13757.2	2654.5	0.0	-0.00	0.00	0.00
	75	13757.2	2654.5	0.0	0.00	0.00	0.00
4	74	-13734.8	3663.7	-242.2	-0.00	0.00	0.00
	75	13734.8	3663.7	-242.2	0.00	0.00	0.00
5	74	-13636.6	2654.5	0.0	-0.00	0.00	0.00
	75	13636.6	2654.5	0.0	0.00	0.00	0.00
6	74	-13636.2	1897.5	181.7	-0.00	0.00	0.00

	75	13636.2	1897.5	181.7	0.00	0.00	0.00
7	74	11767.0	2654.5	0.0	0.00	0.00	0.00
	75	-11767.0	2654.5	0.0	-0.00	0.00	0.00
8	74	11789.4	3663.7	-242.2	0.00	0.00	0.00
	75	-11789.4	3663.7	-242.2	-0.00	0.00	0.00
9	74	11887.6	2654.5	0.0	0.00	0.00	0.00
	75	-11887.6	2654.5	0.0	-0.00	0.00	0.00
10	74	11888.0	1897.5	181.7	0.00	0.00	0.00
	75	-11888.0	1897.5	181.7	-0.00	0.00	0.00
11	74	-13645.3	1603.2	0.0	-0.00	0.00	0.00
	75	13645.3	1603.2	0.0	0.00	0.00	0.00
12	74	11878.9	1603.2	0.0	0.00	0.00	0.00
	75	-11878.9	1603.2	0.0	-0.00	0.00	0.00
13	74	-13608.0	3285.3	-403.7	-0.00	0.00	0.00
	75	13608.0	3285.3	-403.7	0.00	0.00	0.00
14	74	11916.2	3285.3	-403.7	0.00	0.00	0.00
	75	-11916.2	3285.3	-403.7	-0.00	0.00	0.00
15	74	-13444.3	1603.2	0.0	-0.00	0.00	0.00
	75	13444.3	1603.2	0.0	0.00	0.00	0.00
16	74	12079.9	1603.2	0.0	0.00	0.00	0.00
	75	-12079.9	1603.2	0.0	-0.00	0.00	0.00
17	74	-13443.6	341.6	302.8	-0.00	0.00	0.00
	75	13443.6	341.6	302.8	0.00	0.00	0.00
18	74	12080.6	341.6	302.8	0.00	0.00	0.00
	75	-12080.6	341.6	302.8	-0.00	0.00	0.00
19	74	-22108.4	1603.2	0.0	-0.00	0.00	0.00
	75	22108.4	1603.2	0.0	0.00	0.00	0.00
20	74	20432.0	1603.2	0.0	0.00	0.00	0.00
	75	-20432.0	1603.2	0.0	-0.00	0.00	0.00
21	74	-22086.0	2612.4	-242.2	-0.00	0.00	0.00
	75	22086.0	2612.4	-242.2	0.00	0.00	0.00
22	74	20454.4	2612.4	-242.2	0.00	0.00	0.00
	75	-20454.4	2612.4	-242.2	-0.00	0.00	0.00
23	74	-21987.8	1603.2	0.0	-0.00	0.00	0.00
	75	21987.8	1603.2	0.0	0.00	0.00	0.00
24	74	20552.6	1603.2	0.0	0.00	0.00	0.00
	75	-20552.6	1603.2	0.0	-0.00	0.00	0.00
25	74	-21987.4	846.2	181.7	-0.00	0.00	0.00
	75	21987.4	846.2	181.7	0.00	0.00	0.00
26	74	20553.0	846.2	181.7	0.00	0.00	0.00
	75	-20553.0	846.2	181.7	-0.00	0.00	0.00
27	74	-1355.4	1777.0	0.0	0.00	0.00	0.00
	75	1355.4	1777.0	0.0	-0.00	0.00	0.00
28	74	-929.9	1777.0	0.0	0.00	0.00	0.00
	75	929.9	1777.0	0.0	-0.00	0.00	0.00
29	74	-1525.5	1777.0	0.0	0.00	0.00	0.00
	75	1525.5	1777.0	0.0	-0.00	0.00	0.00
30	74	-536.8	1777.0	0.0	0.00	0.00	0.00
	75	536.8	1777.0	0.0	-0.00	0.00	0.00
31	74	-423.2	1777.0	0.0	0.00	0.00	0.00
	75	423.2	1777.0	0.0	-0.00	0.00	0.00
32	74	2.2	1777.0	0.0	-0.00	0.00	0.00
	75	-2.2	1777.0	0.0	0.00	0.00	0.00
33	74	-107.3	1777.0	0.0	-0.00	0.00	0.00
	75	107.3	1777.0	0.0	0.00	0.00	0.00
34	74	172.3	1777.0	0.0	-0.00	0.00	0.00

	75	-172.3	1777.0	0.0	0.00	0.00	0.00
35	74	-572.0	1076.1	0.0	0.00	0.00	0.00
	75	572.0	1076.1	0.0	-0.00	0.00	0.00
36	74	-512.4	375.2	0.0	0.00	0.00	0.00
	75	512.4	375.2	0.0	-0.00	0.00	0.00
37	74	-497.4	1048.1	-161.5	0.00	0.00	0.00
	75	497.4	1048.1	-161.5	-0.00	0.00	0.00
38	74	-432.0	375.2	0.0	0.00	0.00	0.00
	75	432.0	375.2	0.0	-0.00	0.00	0.00
39	74	-431.7	-129.4	121.1	0.00	0.00	0.00
	75	431.7	-129.4	121.1	-0.00	0.00	0.00
40	74	-8975.4	375.2	0.0	-0.00	0.00	0.00
	75	8975.4	375.2	0.0	0.00	0.00	0.00
41	74	8040.7	375.2	0.0	0.00	0.00	0.00
	75	-8040.7	375.2	0.0	-0.00	0.00	0.00
42	74	-676.6	1777.0	0.0	0.00	0.00	0.00
	75	676.6	1777.0	0.0	-0.00	0.00	0.00
43	74	-1368.5	1777.0	0.0	0.00	0.00	0.00
	75	1368.5	1777.0	0.0	-0.00	0.00	0.00
44	74	-927.4	1777.0	0.0	0.00	0.00	0.00
	75	927.4	1777.0	0.0	-0.00	0.00	0.00
45	74	-1553.2	1777.0	0.0	0.00	0.00	0.00
	75	1553.2	1777.0	0.0	-0.00	0.00	0.00
46	74	-1270.4	1777.0	0.0	0.00	0.00	0.00
	75	1270.4	1777.0	0.0	-0.00	0.00	0.00
47	74	-425.8	1777.0	0.0	0.00	0.00	0.00
	75	425.8	1777.0	0.0	-0.00	0.00	0.00
48	74	15.3	1777.0	0.0	-0.00	0.00	0.00
	75	-15.3	1777.0	0.0	0.00	0.00	0.00
49	74	-82.8	1777.0	0.0	-0.00	0.00	0.00
	75	82.8	1777.0	0.0	0.00	0.00	0.00
50	74	200.0	1777.0	0.0	-0.00	0.00	0.00
	75	-200.0	1777.0	0.0	0.00	0.00	0.00
51	74	-1032.0	375.2	0.0	0.00	0.00	0.00
	75	1032.0	375.2	0.0	-0.00	0.00	0.00
52	74	-675.6	375.2	0.0	0.00	0.00	0.00
	75	675.6	375.2	0.0	-0.00	0.00	0.00
53	74	-1177.2	375.2	0.0	0.00	0.00	0.00
	75	1177.2	375.2	0.0	-0.00	0.00	0.00
54	74	-945.4	375.2	0.0	0.00	0.00	0.00
	75	945.4	375.2	0.0	-0.00	0.00	0.00
55	74	-259.1	375.2	0.0	0.00	0.00	0.00
	75	259.1	375.2	0.0	-0.00	0.00	0.00
56	74	97.3	375.2	0.0	-0.00	0.00	0.00
	75	-97.3	375.2	0.0	0.00	0.00	0.00
57	74	10.7	375.2	0.0	-0.00	0.00	0.00
	75	-10.7	375.2	0.0	0.00	0.00	0.00
58	74	242.5	375.2	0.0	-0.00	0.00	0.00
	75	-242.5	375.2	0.0	0.00	0.00	0.00
1	75	-160.2	614.9	0.0	-0.00	0.00	0.00
	76	160.2	614.9	0.0	0.00	0.00	0.00
2	75	-227.2	2957.9	0.0	-0.00	0.00	0.00
	76	227.2	2957.9	0.0	0.00	0.00	0.00
3	75	-11968.2	2957.9	0.0	-0.00	0.00	0.00
	76	11968.2	2957.9	0.0	0.00	0.00	0.00

	75	-12045.2	4082.5	-269.9	-0.00	0.00	0.00
	76	12045.2	4082.5	-269.9	0.00	0.00	0.00
5	75	-11860.7	2957.9	0.0	-0.00	0.00	0.00
	76	11860.7	2957.9	0.0	0.00	0.00	0.00
6	75	-11811.2	2114.4	202.4	0.00	0.00	0.00
	76	11811.2	2114.4	202.4	-0.00	0.00	0.00
7	75	11395.3	2957.9	0.0	-0.00	0.00	0.00
	76	-11395.3	2957.9	0.0	0.00	0.00	0.00
8	75	11318.2	4082.5	-269.9	-0.00	0.00	0.00
	76	-11318.2	4082.5	-269.9	0.00	0.00	0.00
9	75	11502.7	2957.9	0.0	-0.00	0.00	0.00
	76	-11502.7	2957.9	0.0	0.00	0.00	0.00
10	75	11552.2	2114.4	202.4	0.00	0.00	0.00
	76	-11552.2	2114.4	202.4	-0.00	0.00	0.00
11	75	-11974.2	1786.4	0.0	-0.00	0.00	0.00
	76	11974.2	1786.4	0.0	0.00	0.00	0.00
12	75	11389.2	1786.4	0.0	-0.00	0.00	0.00
	76	-11389.2	1786.4	0.0	0.00	0.00	0.00
13	75	-12102.6	3660.7	-449.8	-0.00	0.00	0.00
	76	12102.6	3660.7	-449.8	0.00	0.00	0.00
14	75	11260.8	3660.7	-449.8	-0.00	0.00	0.00
	76	-11260.8	3660.7	-449.8	0.00	0.00	0.00
15	75	-11795.2	1786.4	0.0	-0.00	0.00	0.00
	76	11795.2	1786.4	0.0	0.00	0.00	0.00
16	75	11568.3	1786.4	0.0	-0.00	0.00	0.00
	76	-11568.3	1786.4	0.0	0.00	0.00	0.00
17	75	-11712.6	380.6	337.4	0.00	0.00	0.00
	76	11712.6	380.6	337.4	-0.00	0.00	0.00
18	75	11650.8	380.6	337.4	0.00	0.00	0.00
	76	-11650.8	380.6	337.4	-0.00	0.00	0.00
19	75	-19722.5	1786.4	0.0	0.00	0.00	0.00
	76	19722.5	1786.4	0.0	-0.00	0.00	0.00
20	75	19216.6	1786.4	0.0	-0.00	0.00	0.00
	76	-19216.6	1786.4	0.0	0.00	0.00	0.00
21	75	-19799.5	2911.0	-269.9	-0.00	0.00	0.00
	76	19799.5	2911.0	-269.9	0.00	0.00	0.00
22	75	19139.5	2911.0	-269.9	-0.00	0.00	0.00
	76	-19139.5	2911.0	-269.9	0.00	0.00	0.00
23	75	-19615.1	1786.4	0.0	0.00	0.00	0.00
	76	19615.1	1786.4	0.0	-0.00	0.00	0.00
24	75	19324.0	1786.4	0.0	-0.00	0.00	0.00
	76	-19324.0	1786.4	0.0	0.00	0.00	0.00
25	75	-19565.5	942.9	202.4	0.00	0.00	0.00
	76	19565.5	942.9	202.4	-0.00	0.00	0.00
26	75	19373.5	942.9	202.4	0.00	0.00	0.00
	76	-19373.5	942.9	202.4	-0.00	0.00	0.00
27	75	-922.4	1980.1	0.0	0.00	0.00	0.00
	76	922.4	1980.1	0.0	-0.00	0.00	0.00
28	75	-675.6	1980.1	0.0	-0.00	0.00	0.00
	76	675.6	1980.1	0.0	0.00	0.00	0.00
29	75	-770.3	1980.1	0.0	0.00	0.00	0.00
	76	770.3	1980.1	0.0	-0.00	0.00	0.00
30	75	18.4	1980.1	0.0	-0.00	0.00	0.00
	76	-18.4	1980.1	0.0	0.00	0.00	0.00
31	75	335.1	1980.1	0.0	-0.00	0.00	0.00
	76	-335.1	1980.1	0.0	0.00	0.00	0.00

	75	582.0	1980.1	0.0	-0.00	0.00	0.00
	76	-582.0	1980.1	0.0	0.00	0.00	0.00
33	75	52.6	1980.1	0.0	-0.00	0.00	0.00
	76	-52.6	1980.1	0.0	0.00	0.00	0.00
34	75	429.9	1980.1	0.0	-0.00	0.00	0.00
	76	-429.9	1980.1	0.0	0.00	0.00	0.00
35	75	-147.9	1199.1	0.0	-0.00	0.00	0.00
	76	147.9	1199.1	0.0	0.00	0.00	0.00
36	75	-165.1	418.1	0.0	-0.00	0.00	0.00
	76	165.1	418.1	0.0	0.00	0.00	0.00
37	75	-216.4	1167.8	-179.9	-0.00	0.00	0.00
	76	216.4	1167.8	-179.9	0.00	0.00	0.00
38	75	-93.5	418.1	0.0	-0.00	0.00	0.00
	76	93.5	418.1	0.0	0.00	0.00	0.00
39	75	-60.4	-144.2	135.0	0.00	0.00	0.00
	76	60.4	-144.2	135.0	-0.00	0.00	0.00
40	75	-7913.4	418.1	0.0	0.00	0.00	0.00
	76	7913.4	418.1	0.0	-0.00	0.00	0.00
41	75	7662.3	418.1	0.0	-0.00	0.00	0.00
	76	-7662.3	418.1	0.0	0.00	0.00	0.00
42	75	-170.2	1980.1	0.0	-0.00	0.00	0.00
	76	170.2	1980.1	0.0	0.00	0.00	0.00
43	75	-940.7	1980.1	0.0	0.00	0.00	0.00
	76	940.7	1980.1	0.0	-0.00	0.00	0.00
44	75	-693.3	1980.1	0.0	-0.00	0.00	0.00
	76	693.3	1980.1	0.0	0.00	0.00	0.00
45	75	-776.6	1980.1	0.0	0.00	0.00	0.00
	76	776.6	1980.1	0.0	-0.00	0.00	0.00
46	75	-388.5	1980.1	0.0	0.00	0.00	0.00
	76	388.5	1980.1	0.0	-0.00	0.00	0.00
47	75	352.9	1980.1	0.0	-0.00	0.00	0.00
	76	-352.9	1980.1	0.0	0.00	0.00	0.00
48	75	600.3	1980.1	0.0	-0.00	0.00	0.00
	76	-600.3	1980.1	0.0	0.00	0.00	0.00
49	75	48.0	1980.1	0.0	-0.00	0.00	0.00
	76	-48.0	1980.1	0.0	0.00	0.00	0.00
50	75	436.1	1980.1	0.0	-0.00	0.00	0.00
	76	-436.1	1980.1	0.0	0.00	0.00	0.00
51	75	-754.7	418.1	0.0	0.00	0.00	0.00
	76	754.7	418.1	0.0	-0.00	0.00	0.00
52	75	-552.7	418.1	0.0	-0.00	0.00	0.00
	76	552.7	418.1	0.0	0.00	0.00	0.00
53	75	-620.7	418.1	0.0	0.00	0.00	0.00
	76	620.7	418.1	0.0	-0.00	0.00	0.00
54	75	-303.8	418.1	0.0	0.00	0.00	0.00
	76	303.8	418.1	0.0	-0.00	0.00	0.00
55	75	301.6	418.1	0.0	-0.00	0.00	0.00
	76	-301.6	418.1	0.0	0.00	0.00	0.00
56	75	503.6	418.1	0.0	-0.00	0.00	0.00
	76	-503.6	418.1	0.0	0.00	0.00	0.00
57	75	52.7	418.1	0.0	-0.00	0.00	0.00
	76	-52.7	418.1	0.0	0.00	0.00	0.00
58	75	369.6	418.1	0.0	-0.00	0.00	0.00
	76	-369.6	418.1	0.0	0.00	0.00	0.00
1	76	-150.5	616.9	0.0	-0.00	0.00	0.00

	77	150.5	616.9	0.0	0.00	0.00	0.00
2	76	-212.6	2967.3	0.0	-0.00	0.00	0.00
	77	212.6	2967.3	0.0	0.00	0.00	0.00
3	76	-12042.4	2967.3	0.0	-0.00	0.00	0.00
	77	12042.4	2967.3	0.0	0.00	0.00	0.00
4	76	-12119.8	4095.5	-270.8	-0.00	0.00	0.00
	77	12119.8	4095.5	-270.8	0.00	0.00	0.00
5	76	-11941.5	2967.3	0.0	-0.00	0.00	0.00
	77	11941.5	2967.3	0.0	0.00	0.00	0.00
6	76	-11889.7	2121.2	203.1	-0.00	0.00	0.00
	77	11889.7	2121.2	203.1	0.00	0.00	0.00
7	76	11505.8	2967.3	0.0	-0.00	0.00	0.00
	77	-11505.8	2967.3	0.0	0.00	0.00	0.00
8	76	11428.4	4095.5	-270.8	-0.00	0.00	0.00
	77	-11428.4	4095.5	-270.8	0.00	0.00	0.00
9	76	11606.7	2967.3	0.0	-0.00	0.00	0.00
	77	-11606.7	2967.3	0.0	0.00	0.00	0.00
10	76	11658.5	2121.2	203.1	0.00	0.00	0.00
	77	-11658.5	2121.2	203.1	-0.00	0.00	0.00
11	76	-12048.5	1792.1	0.0	-0.00	0.00	0.00
	77	12048.5	1792.1	0.0	0.00	0.00	0.00
12	76	11499.8	1792.1	0.0	0.00	0.00	0.00
	77	-11499.8	1792.1	0.0	-0.00	0.00	0.00
13	76	-12177.4	3672.5	-451.3	-0.00	0.00	0.00
	77	12177.4	3672.5	-451.3	0.00	0.00	0.00
14	76	11370.8	3672.5	-451.3	-0.00	0.00	0.00
	77	-11370.8	3672.5	-451.3	0.00	0.00	0.00
15	76	-11880.3	1792.1	0.0	-0.00	0.00	0.00
	77	11880.3	1792.1	0.0	0.00	0.00	0.00
16	76	11667.9	1792.1	0.0	-0.00	0.00	0.00
	77	-11667.9	1792.1	0.0	0.00	0.00	0.00
17	76	-11793.9	381.9	338.5	-0.00	0.00	0.00
	77	11793.9	381.9	338.5	0.00	0.00	0.00
18	76	11754.3	381.9	338.5	0.00	0.00	0.00
	77	-11754.3	381.9	338.5	-0.00	0.00	0.00
19	76	-19860.7	1792.1	0.0	-0.00	0.00	0.00
	77	19860.7	1792.1	0.0	0.00	0.00	0.00
20	76	19386.3	1792.1	0.0	0.00	0.00	0.00
	77	-19386.3	1792.1	0.0	-0.00	0.00	0.00
21	76	-19938.1	2920.3	-270.8	-0.00	0.00	0.00
	77	19938.1	2920.3	-270.8	0.00	0.00	0.00
22	76	19308.9	2920.3	-270.8	-0.00	0.00	0.00
	77	-19308.9	2920.3	-270.8	0.00	0.00	0.00
23	76	-19759.8	1792.1	0.0	-0.00	0.00	0.00
	77	19759.8	1792.1	0.0	0.00	0.00	0.00
24	76	19487.2	1792.1	0.0	-0.00	0.00	0.00
	77	-19487.2	1792.1	0.0	0.00	0.00	0.00
25	76	-19708.0	946.0	203.1	-0.00	0.00	0.00
	77	19708.0	946.0	203.1	0.00	0.00	0.00
26	76	19539.0	946.0	203.1	0.00	0.00	0.00
	77	-19539.0	946.0	203.1	-0.00	0.00	0.00
27	76	-644.3	1986.4	0.0	-0.00	0.00	0.00
	77	644.3	1986.4	0.0	0.00	0.00	0.00
28	76	-428.3	1986.4	0.0	-0.00	0.00	0.00
	77	428.3	1986.4	0.0	0.00	0.00	0.00
29	76	-632.5	1986.4	0.0	0.00	0.00	0.00

	77	632.5	1986.4	0.0	-0.00	0.00	0.00
30	76	-46.3	1986.4	0.0	-0.00	0.00	0.00
	77	46.3	1986.4	0.0	0.00	0.00	0.00
31	76	109.5	1986.4	0.0	0.00	0.00	0.00
	77	-109.5	1986.4	0.0	-0.00	0.00	0.00
32	76	325.5	1986.4	0.0	-0.00	0.00	0.00
	77	-325.5	1986.4	0.0	0.00	0.00	0.00
33	76	87.6	1986.4	0.0	-0.00	0.00	0.00
	77	-87.6	1986.4	0.0	0.00	0.00	0.00
34	76	313.7	1986.4	0.0	-0.00	0.00	0.00
	77	-313.7	1986.4	0.0	0.00	0.00	0.00
35	76	-138.7	1202.9	0.0	-0.00	0.00	0.00
	77	138.7	1202.9	0.0	0.00	0.00	0.00
36	76	-155.1	419.4	0.0	-0.00	0.00	0.00
	77	155.1	419.4	0.0	0.00	0.00	0.00
37	76	-206.7	1171.6	-180.5	-0.00	0.00	0.00
	77	206.7	1171.6	-180.5	0.00	0.00	0.00
38	76	-87.8	419.4	0.0	-0.00	0.00	0.00
	77	87.8	419.4	0.0	0.00	0.00	0.00
39	76	-53.3	-144.7	135.4	0.00	0.00	0.00
	77	53.3	-144.7	135.4	-0.00	0.00	0.00
40	76	-7967.4	419.4	0.0	-0.00	0.00	0.00
	77	7967.4	419.4	0.0	0.00	0.00	0.00
41	76	7731.5	419.4	0.0	0.00	0.00	0.00
	77	-7731.5	419.4	0.0	-0.00	0.00	0.00
42	76	-159.4	1986.4	0.0	-0.00	0.00	0.00
	77	159.4	1986.4	0.0	0.00	0.00	0.00
43	76	-653.5	1986.4	0.0	-0.00	0.00	0.00
	77	653.5	1986.4	0.0	0.00	0.00	0.00
44	76	-437.4	1986.4	0.0	-0.00	0.00	0.00
	77	437.4	1986.4	0.0	0.00	0.00	0.00
45	76	-635.5	1986.4	0.0	-0.00	0.00	0.00
	77	635.5	1986.4	0.0	0.00	0.00	0.00
46	76	-403.8	1986.4	0.0	0.00	0.00	0.00
	77	403.8	1986.4	0.0	-0.00	0.00	0.00
47	76	118.6	1986.4	0.0	0.00	0.00	0.00
	77	-118.6	1986.4	0.0	-0.00	0.00	0.00
48	76	334.7	1986.4	0.0	-0.00	0.00	0.00
	77	-334.7	1986.4	0.0	0.00	0.00	0.00
49	76	85.1	1986.4	0.0	-0.00	0.00	0.00
	77	-85.1	1986.4	0.0	0.00	0.00	0.00
50	76	316.7	1986.4	0.0	-0.00	0.00	0.00
	77	-316.7	1986.4	0.0	0.00	0.00	0.00
51	76	-521.7	419.4	0.0	-0.00	0.00	0.00
	77	521.7	419.4	0.0	0.00	0.00	0.00
52	76	-345.9	419.4	0.0	-0.00	0.00	0.00
	77	345.9	419.4	0.0	0.00	0.00	0.00
53	76	-505.7	419.4	0.0	0.00	0.00	0.00
	77	505.7	419.4	0.0	-0.00	0.00	0.00
54	76	-316.2	419.4	0.0	0.00	0.00	0.00
	77	316.2	419.4	0.0	-0.00	0.00	0.00
55	76	110.0	419.4	0.0	0.00	0.00	0.00
	77	-110.0	419.4	0.0	-0.00	0.00	0.00
56	76	285.8	419.4	0.0	0.00	0.00	0.00
	77	-285.8	419.4	0.0	-0.00	0.00	0.00
57	76	80.3	419.4	0.0	-0.00	0.00	0.00

	77	-80.3	419.4	0.0	0.00	0.00	0.00
58	76	269.8	419.4	0.0	-0.00	0.00	0.00
	77	-269.8	419.4	0.0	0.00	0.00	0.00
1	77	-142.8	616.9	0.0	0.00	0.00	0.00
	78	142.8	616.9	0.0	-0.00	0.00	0.00
2	77	-201.2	2967.3	0.0	0.00	0.00	0.00
	78	201.2	2967.3	0.0	-0.00	0.00	0.00
3	77	-11988.8	2967.3	0.0	-0.00	0.00	0.00
	78	11988.8	2967.3	0.0	0.00	0.00	0.00
4	77	-12070.4	4095.5	-270.8	0.00	0.00	0.00
	78	12070.4	4095.5	-270.8	-0.00	0.00	0.00
5	77	-11893.7	2967.3	0.0	-0.00	0.00	0.00
	78	11893.7	2967.3	0.0	0.00	0.00	0.00
6	77	-11838.1	2121.2	203.1	-0.00	0.00	0.00
	78	11838.1	2121.2	203.1	0.00	0.00	0.00
7	77	11481.3	2967.3	0.0	0.00	0.00	0.00
	78	-11481.3	2967.3	0.0	-0.00	0.00	0.00
8	77	11399.6	4095.5	-270.8	0.00	0.00	0.00
	78	-11399.6	4095.5	-270.8	-0.00	0.00	0.00
9	77	11576.4	2967.3	0.0	0.00	0.00	0.00
	78	-11576.4	2967.3	0.0	-0.00	0.00	0.00
10	77	11632.0	2121.2	203.1	0.00	0.00	0.00
	78	-11632.0	2121.2	203.1	-0.00	0.00	0.00
11	77	-11994.6	1792.1	0.0	-0.00	0.00	0.00
	78	11994.6	1792.1	0.0	0.00	0.00	0.00
12	77	11475.5	1792.1	0.0	0.00	0.00	0.00
	78	-11475.5	1792.1	0.0	-0.00	0.00	0.00
13	77	-12130.7	3672.5	-451.3	0.00	0.00	0.00
	78	12130.7	3672.5	-451.3	-0.00	0.00	0.00
14	77	11339.4	3672.5	-451.3	0.00	0.00	0.00
	78	-11339.4	3672.5	-451.3	-0.00	0.00	0.00
15	77	-11836.1	1792.1	0.0	-0.00	0.00	0.00
	78	11836.1	1792.1	0.0	0.00	0.00	0.00
16	77	11634.0	1792.1	0.0	0.00	0.00	0.00
	78	-11634.0	1792.1	0.0	-0.00	0.00	0.00
17	77	-11743.5	381.9	338.5	-0.00	0.00	0.00
	78	11743.5	381.9	338.5	0.00	0.00	0.00
18	77	11726.6	381.9	338.5	0.00	0.00	0.00
	78	-11726.6	381.9	338.5	-0.00	0.00	0.00
19	77	-19782.9	1792.1	0.0	-0.00	0.00	0.00
	78	19782.9	1792.1	0.0	0.00	0.00	0.00
20	77	19333.8	1792.1	0.0	0.00	0.00	0.00
	78	-19333.8	1792.1	0.0	-0.00	0.00	0.00
21	77	-19864.6	2920.3	-270.8	-0.00	0.00	0.00
	78	19864.6	2920.3	-270.8	0.00	0.00	0.00
22	77	19252.2	2920.3	-270.8	0.00	0.00	0.00
	78	-19252.2	2920.3	-270.8	-0.00	0.00	0.00
23	77	-19687.8	1792.1	0.0	-0.00	0.00	0.00
	78	19687.8	1792.1	0.0	0.00	0.00	0.00
24	77	19429.0	1792.1	0.0	0.00	0.00	0.00
	78	-19429.0	1792.1	0.0	-0.00	0.00	0.00
25	77	-19632.3	946.0	203.1	-0.00	0.00	0.00
	78	19632.3	946.0	203.1	0.00	0.00	0.00
26	77	19484.5	946.0	203.1	0.00	0.00	0.00
	78	-19484.5	946.0	203.1	-0.00	0.00	0.00

	77	-402.3	1986.4	0.0	-0.00	0.00	0.00
	78	402.3	1986.4	0.0	0.00	0.00	0.00
28	77	-200.6	1986.4	0.0	-0.00	0.00	0.00
	78	200.6	1986.4	0.0	0.00	0.00	0.00
29	77	-532.4	1986.4	0.0	-0.00	0.00	0.00
	78	532.4	1986.4	0.0	0.00	0.00	0.00
30	77	-105.9	1986.4	0.0	0.00	0.00	0.00
	78	105.9	1986.4	0.0	-0.00	0.00	0.00
31	77	-101.4	1986.4	0.0	0.00	0.00	0.00
	78	101.4	1986.4	0.0	-0.00	0.00	0.00
32	77	100.3	1986.4	0.0	0.00	0.00	0.00
	78	-100.3	1986.4	0.0	-0.00	0.00	0.00
33	77	140.1	1986.4	0.0	0.00	0.00	0.00
	78	-140.1	1986.4	0.0	-0.00	0.00	0.00
34	77	230.4	1986.4	0.0	0.00	0.00	0.00
	78	-230.4	1986.4	0.0	-0.00	0.00	0.00
35	77	-131.5	1202.9	0.0	0.00	0.00	0.00
	78	131.5	1202.9	0.0	-0.00	0.00	0.00
36	77	-147.1	419.4	0.0	0.00	0.00	0.00
	78	147.1	419.4	0.0	-0.00	0.00	0.00
37	77	-201.5	1171.6	-180.5	0.00	0.00	0.00
	78	201.5	1171.6	-180.5	-0.00	0.00	0.00
38	77	-83.7	419.4	0.0	0.00	0.00	0.00
	78	83.7	419.4	0.0	-0.00	0.00	0.00
39	77	-46.6	-144.7	135.4	-0.00	0.00	0.00
	78	46.6	-144.7	135.4	0.00	0.00	0.00
40	77	-7935.4	419.4	0.0	-0.00	0.00	0.00
	78	7935.4	419.4	0.0	0.00	0.00	0.00
41	77	7711.3	419.4	0.0	0.00	0.00	0.00
	78	-7711.3	419.4	0.0	-0.00	0.00	0.00
42	77	-151.0	1986.4	0.0	0.00	0.00	0.00
	78	151.0	1986.4	0.0	-0.00	0.00	0.00
43	77	-404.3	1986.4	0.0	-0.00	0.00	0.00
	78	404.3	1986.4	0.0	0.00	0.00	0.00
44	77	-201.8	1986.4	0.0	-0.00	0.00	0.00
	78	201.8	1986.4	0.0	0.00	0.00	0.00
45	77	-534.0	1986.4	0.0	-0.00	0.00	0.00
	78	534.0	1986.4	0.0	0.00	0.00	0.00
46	77	-442.7	1986.4	0.0	-0.00	0.00	0.00
	78	442.7	1986.4	0.0	0.00	0.00	0.00
47	77	-100.1	1986.4	0.0	0.00	0.00	0.00
	78	100.1	1986.4	0.0	-0.00	0.00	0.00
48	77	102.3	1986.4	0.0	0.00	0.00	0.00
	78	-102.3	1986.4	0.0	-0.00	0.00	0.00
49	77	140.8	1986.4	0.0	0.00	0.00	0.00
	78	-140.8	1986.4	0.0	-0.00	0.00	0.00
50	77	232.0	1986.4	0.0	0.00	0.00	0.00
	78	-232.0	1986.4	0.0	-0.00	0.00	0.00
51	77	-318.3	419.4	0.0	-0.00	0.00	0.00
	78	318.3	419.4	0.0	0.00	0.00	0.00
52	77	-154.7	419.4	0.0	-0.00	0.00	0.00
	78	154.7	419.4	0.0	0.00	0.00	0.00
53	77	-422.1	419.4	0.0	-0.00	0.00	0.00
	78	422.1	419.4	0.0	0.00	0.00	0.00
54	77	-347.4	419.4	0.0	-0.00	0.00	0.00
	78	347.4	419.4	0.0	0.00	0.00	0.00

	77	-69.4	419.4	0.0	0.00	0.00	0.00
	78	69.4	419.4	0.0	-0.00	0.00	0.00
56	77	94.2	419.4	0.0	0.00	0.00	0.00
	78	-94.2	419.4	0.0	-0.00	0.00	0.00
57	77	123.3	419.4	0.0	0.00	0.00	0.00
	78	-123.3	419.4	0.0	-0.00	0.00	0.00
58	77	197.9	419.4	0.0	0.00	0.00	0.00
	78	-197.9	419.4	0.0	-0.00	0.00	0.00
1	78	-137.2	614.9	0.0	0.00	0.00	0.00
	79	137.2	614.9	0.0	-0.00	0.00	0.00
2	78	-192.9	2957.9	0.0	0.00	0.00	0.00
	79	192.9	2957.9	0.0	-0.00	0.00	0.00
3	78	-11811.7	2957.9	0.0	0.00	0.00	0.00
	79	11811.7	2957.9	0.0	-0.00	0.00	0.00
4	78	-11902.8	4082.5	-269.9	0.00	0.00	0.00
	79	11902.8	4082.5	-269.9	-0.00	0.00	0.00
5	78	-11723.5	2957.9	0.0	0.00	0.00	0.00
	79	11723.5	2957.9	0.0	-0.00	0.00	0.00
6	78	-11661.6	2114.4	202.4	-0.00	0.00	0.00
	79	11661.6	2114.4	202.4	0.00	0.00	0.00
7	78	11328.4	2957.9	0.0	0.00	0.00	0.00
	79	-11328.4	2957.9	0.0	-0.00	0.00	0.00
8	78	11237.4	4082.5	-269.9	0.00	0.00	0.00
	79	-11237.4	4082.5	-269.9	-0.00	0.00	0.00
9	78	11416.7	2957.9	0.0	0.00	0.00	0.00
	79	-11416.7	2957.9	0.0	-0.00	0.00	0.00
10	78	11478.6	2114.4	202.4	0.00	0.00	0.00
	79	-11478.6	2114.4	202.4	-0.00	0.00	0.00
11	78	-11816.4	1786.4	0.0	0.00	0.00	0.00
	79	11816.4	1786.4	0.0	-0.00	0.00	0.00
12	78	11323.8	1786.4	0.0	0.00	0.00	0.00
	79	-11323.8	1786.4	0.0	-0.00	0.00	0.00
13	78	-11968.2	3660.7	-449.8	0.00	0.00	0.00
	79	11968.2	3660.7	-449.8	-0.00	0.00	0.00
14	78	11172.0	3660.7	-449.8	0.00	0.00	0.00
	79	-11172.0	3660.7	-449.8	-0.00	0.00	0.00
15	78	-11669.3	1786.4	0.0	0.00	0.00	0.00
	79	11669.3	1786.4	0.0	-0.00	0.00	0.00
16	78	11470.8	1786.4	0.0	0.00	0.00	0.00
	79	-11470.8	1786.4	0.0	-0.00	0.00	0.00
17	78	-11566.1	380.6	337.4	-0.00	0.00	0.00
	79	11566.1	380.6	337.4	0.00	0.00	0.00
18	78	11574.0	380.6	337.4	-0.00	0.00	0.00
	79	-11574.0	380.6	337.4	0.00	0.00	0.00
19	78	-19497.3	1786.4	0.0	-0.00	0.00	0.00
	79	19497.3	1786.4	0.0	0.00	0.00	0.00
20	78	19069.7	1786.4	0.0	0.00	0.00	0.00
	79	-19069.7	1786.4	0.0	-0.00	0.00	0.00
21	78	-19588.4	2911.0	-269.9	0.00	0.00	0.00
	79	19588.4	2911.0	-269.9	-0.00	0.00	0.00
22	78	18978.6	2911.0	-269.9	0.00	0.00	0.00
	79	-18978.6	2911.0	-269.9	-0.00	0.00	0.00
23	78	-19409.1	1786.4	0.0	-0.00	0.00	0.00
	79	19409.1	1786.4	0.0	0.00	0.00	0.00
24	78	19157.9	1786.4	0.0	0.00	0.00	0.00

	79	-19157.9	1786.4	0.0	-0.00	0.00	0.00
25	78	-19347.1	942.9	202.4	-0.00	0.00	0.00
	79	19347.1	942.9	202.4	0.00	0.00	0.00
26	78	19219.8	942.9	202.4	0.00	0.00	0.00
	79	-19219.8	942.9	202.4	-0.00	0.00	0.00
27	78	-48.7	1980.1	0.0	0.00	0.00	0.00
	79	48.7	1980.1	0.0	-0.00	0.00	0.00
28	78	155.1	1980.1	0.0	0.00	0.00	0.00
	79	-155.1	1980.1	0.0	-0.00	0.00	0.00
29	78	-425.2	1980.1	0.0	-0.00	0.00	0.00
	79	425.2	1980.1	0.0	0.00	0.00	0.00
30	78	-204.4	1980.1	0.0	0.00	0.00	0.00
	79	204.4	1980.1	0.0	-0.00	0.00	0.00
31	78	-445.0	1980.1	0.0	-0.00	0.00	0.00
	79	445.0	1980.1	0.0	0.00	0.00	0.00
32	78	-241.1	1980.1	0.0	0.00	0.00	0.00
	79	241.1	1980.1	0.0	-0.00	0.00	0.00
33	78	254.2	1980.1	0.0	0.00	0.00	0.00
	79	-254.2	1980.1	0.0	-0.00	0.00	0.00
34	78	135.3	1980.1	0.0	0.00	0.00	0.00
	79	-135.3	1980.1	0.0	-0.00	0.00	0.00
35	78	-126.4	1199.1	0.0	0.00	0.00	0.00
	79	126.4	1199.1	0.0	-0.00	0.00	0.00
36	78	-140.3	418.1	0.0	0.00	0.00	0.00
	79	140.3	418.1	0.0	-0.00	0.00	0.00
37	78	-201.0	1167.8	-179.9	0.00	0.00	0.00
	79	201.0	1167.8	-179.9	-0.00	0.00	0.00
38	78	-81.5	418.1	0.0	0.00	0.00	0.00
	79	81.5	418.1	0.0	-0.00	0.00	0.00
39	78	-40.2	-144.2	135.0	-0.00	0.00	0.00
	79	40.2	-144.2	135.0	0.00	0.00	0.00
40	78	-7821.2	418.1	0.0	-0.00	0.00	0.00
	79	7821.2	418.1	0.0	0.00	0.00	0.00
41	78	7605.6	418.1	0.0	0.00	0.00	0.00
	79	-7605.6	418.1	0.0	-0.00	0.00	0.00
42	78	-144.9	1980.1	0.0	0.00	0.00	0.00
	79	144.9	1980.1	0.0	-0.00	0.00	0.00
43	78	-40.4	1980.1	0.0	0.00	0.00	0.00
	79	40.4	1980.1	0.0	-0.00	0.00	0.00
44	78	165.1	1980.1	0.0	0.00	0.00	0.00
	79	-165.1	1980.1	0.0	-0.00	0.00	0.00
45	78	-425.3	1980.1	0.0	-0.00	0.00	0.00
	79	425.3	1980.1	0.0	0.00	0.00	0.00
46	78	-549.7	1980.1	0.0	-0.00	0.00	0.00
	79	549.7	1980.1	0.0	0.00	0.00	0.00
47	78	-454.9	1980.1	0.0	-0.00	0.00	0.00
	79	454.9	1980.1	0.0	0.00	0.00	0.00
48	78	-249.4	1980.1	0.0	0.00	0.00	0.00
	79	249.4	1980.1	0.0	-0.00	0.00	0.00
49	78	259.8	1980.1	0.0	0.00	0.00	0.00
	79	-259.8	1980.1	0.0	-0.00	0.00	0.00
50	78	135.5	1980.1	0.0	0.00	0.00	0.00
	79	-135.5	1980.1	0.0	-0.00	0.00	0.00
51	78	-24.3	418.1	0.0	0.00	0.00	0.00
	79	24.3	418.1	0.0	-0.00	0.00	0.00
52	78	140.9	418.1	0.0	0.00	0.00	0.00

	79	-140.9	418.1	0.0	-0.00	0.00	0.00
53	78	-333.4	418.1	0.0	-0.00	0.00	0.00
	79	333.4	418.1	0.0	0.00	0.00	0.00
54	78	-433.0	418.1	0.0	-0.00	0.00	0.00
	79	433.0	418.1	0.0	0.00	0.00	0.00
55	78	-356.5	418.1	0.0	-0.00	0.00	0.00
	79	356.5	418.1	0.0	0.00	0.00	0.00
56	78	-191.3	418.1	0.0	0.00	0.00	0.00
	79	191.3	418.1	0.0	-0.00	0.00	0.00
57	78	217.4	418.1	0.0	0.00	0.00	0.00
	79	-217.4	418.1	0.0	-0.00	0.00	0.00
58	78	117.8	418.1	0.0	0.00	0.00	0.00
	79	-117.8	418.1	0.0	-0.00	0.00	0.00
1	79	-66.5	680.0	-0.0	0.00	0.00	0.00
	80	66.5	680.0	-0.0	-0.00	0.00	0.00
2	79	-107.9	3270.7	-0.0	0.00	0.00	0.00
	80	107.9	3270.7	-0.0	-0.00	0.00	0.00
3	79	-8878.7	3270.7	-0.0	0.00	0.00	0.00
	80	8878.7	3270.7	-0.0	-0.00	0.00	0.00
4	79	-8919.8	4514.3	-298.5	0.00	0.00	0.00
	80	8919.8	4514.3	-298.5	-0.00	0.00	0.00
5	79	-8845.3	3270.7	-0.0	0.00	0.00	0.00
	80	8845.3	3270.7	-0.0	-0.00	0.00	0.00
6	79	-8812.0	2338.0	223.8	0.00	0.00	0.00
	80	8812.0	2338.0	223.8	-0.00	0.00	0.00
7	79	8625.8	3270.7	-0.0	-0.00	0.00	0.00
	80	-8625.8	3270.7	-0.0	0.00	0.00	0.00
8	79	8584.8	4514.3	-298.5	-0.00	0.00	0.00
	80	-8584.8	4514.3	-298.5	0.00	0.00	0.00
9	79	8659.2	3270.7	-0.0	-0.00	0.00	0.00
	80	-8659.2	3270.7	-0.0	0.00	0.00	0.00
10	79	8692.5	2338.0	223.8	0.00	0.00	0.00
	80	-8692.5	2338.0	223.8	-0.00	0.00	0.00
11	79	-8870.4	1975.3	-0.0	0.00	0.00	0.00
	80	8870.4	1975.3	-0.0	-0.00	0.00	0.00
12	79	8634.1	1975.3	-0.0	-0.00	0.00	0.00
	80	-8634.1	1975.3	-0.0	0.00	0.00	0.00
13	79	-8938.8	4047.9	-497.4	0.00	0.00	0.00
	80	8938.8	4047.9	-497.4	-0.00	0.00	0.00
14	79	8565.7	4047.9	-497.4	-0.00	0.00	0.00
	80	-8565.7	4047.9	-497.4	0.00	0.00	0.00
15	79	-8814.8	1975.3	-0.0	0.00	0.00	0.00
	80	8814.8	1975.3	-0.0	-0.00	0.00	0.00
16	79	8689.8	1975.3	-0.0	-0.00	0.00	0.00
	80	-8689.8	1975.3	-0.0	0.00	0.00	0.00
17	79	-8759.2	420.9	373.1	0.00	0.00	0.00
	80	8759.2	420.9	373.1	-0.00	0.00	0.00
18	79	8745.3	420.9	373.1	0.00	0.00	0.00
	80	-8745.3	420.9	373.1	-0.00	0.00	0.00
19	79	-14692.9	1975.3	-0.0	0.00	0.00	0.00
	80	14692.9	1975.3	-0.0	-0.00	0.00	0.00
20	79	14481.3	1975.3	-0.0	-0.00	0.00	0.00
	80	-14481.3	1975.3	-0.0	0.00	0.00	0.00
21	79	-14733.9	3218.9	-298.5	0.00	0.00	0.00
	80	14733.9	3218.9	-298.5	-0.00	0.00	0.00

	79	14440.3	3218.9	-298.5	-0.00	0.00	0.00
	80	-14440.3	3218.9	-298.5	0.00	0.00	0.00
23	79	-14659.5	1975.3	-0.0	0.00	0.00	0.00
	80	14659.5	1975.3	-0.0	-0.00	0.00	0.00
24	79	14514.7	1975.3	-0.0	-0.00	0.00	0.00
	80	-14514.7	1975.3	-0.0	0.00	0.00	0.00
25	79	-14626.2	1042.7	223.8	0.00	0.00	0.00
	80	14626.2	1042.7	223.8	-0.00	0.00	0.00
26	79	14548.0	1042.7	223.8	-0.00	0.00	0.00
	80	-14548.0	1042.7	223.8	0.00	0.00	0.00
27	79	-346.7	2189.5	-0.0	0.00	0.00	0.00
	80	346.7	2189.5	-0.0	-0.00	0.00	0.00
28	79	-287.5	2189.5	-0.0	0.00	0.00	0.00
	80	287.5	2189.5	-0.0	-0.00	0.00	0.00
29	79	-249.2	2189.5	-0.0	0.00	0.00	0.00
	80	249.2	2189.5	-0.0	-0.00	0.00	0.00
30	79	-7.7	2189.5	-0.0	0.00	0.00	0.00
	80	7.7	2189.5	-0.0	-0.00	0.00	0.00
31	79	129.3	2189.5	-0.0	0.00	0.00	0.00
	80	-129.3	2189.5	-0.0	-0.00	0.00	0.00
32	79	188.5	2189.5	-0.0	-0.00	0.00	0.00
	80	-188.5	2189.5	-0.0	0.00	0.00	0.00
33	79	-51.8	2189.5	-0.0	-0.00	0.00	0.00
	80	51.8	2189.5	-0.0	0.00	0.00	0.00
34	79	91.0	2189.5	-0.0	-0.00	0.00	0.00
	80	-91.0	2189.5	-0.0	0.00	0.00	0.00
35	79	-65.3	1325.9	-0.0	0.00	0.00	0.00
	80	65.3	1325.9	-0.0	-0.00	0.00	0.00
36	79	-63.9	462.3	-0.0	0.00	0.00	0.00
	80	63.9	462.3	-0.0	-0.00	0.00	0.00
37	79	-91.2	1291.4	-199.0	-0.00	0.00	0.00
	80	91.2	1291.4	-199.0	0.00	0.00	0.00
38	79	-41.6	462.3	-0.0	0.00	0.00	0.00
	80	41.6	462.3	-0.0	-0.00	0.00	0.00
39	79	-19.4	-159.4	149.2	0.00	0.00	0.00
	80	19.4	-159.4	149.2	-0.00	0.00	0.00
40	79	-5886.3	462.3	-0.0	0.00	0.00	0.00
	80	5886.3	462.3	-0.0	-0.00	0.00	0.00
41	79	5783.3	462.3	-0.0	-0.00	0.00	0.00
	80	-5783.3	462.3	-0.0	0.00	0.00	0.00
42	79	-79.1	2189.5	-0.0	0.00	0.00	0.00
	80	79.1	2189.5	-0.0	-0.00	0.00	0.00
43	79	-353.9	2189.5	-0.0	0.00	0.00	0.00
	80	353.9	2189.5	-0.0	-0.00	0.00	0.00
44	79	-295.6	2189.5	-0.0	0.00	0.00	0.00
	80	295.6	2189.5	-0.0	-0.00	0.00	0.00
45	79	-249.9	2189.5	-0.0	0.00	0.00	0.00
	80	249.9	2189.5	-0.0	-0.00	0.00	0.00
46	79	-102.6	2189.5	-0.0	0.00	0.00	0.00
	80	102.6	2189.5	-0.0	-0.00	0.00	0.00
47	79	137.4	2189.5	-0.0	0.00	0.00	0.00
	80	-137.4	2189.5	-0.0	-0.00	0.00	0.00
48	79	195.7	2189.5	-0.0	-0.00	0.00	0.00
	80	-195.7	2189.5	-0.0	0.00	0.00	0.00
49	79	-55.6	2189.5	-0.0	-0.00	0.00	0.00
	80	55.6	2189.5	-0.0	0.00	0.00	0.00

	79	91.8	2189.5	-0.0	-0.00	0.00	0.00
	80	-91.8	2189.5	-0.0	0.00	0.00	0.00
51	79	-275.3	462.3	-0.0	0.00	0.00	0.00
	80	275.3	462.3	-0.0	-0.00	0.00	0.00
52	79	-227.6	462.3	-0.0	0.00	0.00	0.00
	80	227.6	462.3	-0.0	-0.00	0.00	0.00
53	79	-190.9	462.3	-0.0	0.00	0.00	0.00
	80	190.9	462.3	-0.0	-0.00	0.00	0.00
54	79	-71.0	462.3	-0.0	0.00	0.00	0.00
	80	71.0	462.3	-0.0	-0.00	0.00	0.00
55	79	124.6	462.3	-0.0	-0.00	0.00	0.00
	80	-124.6	462.3	-0.0	0.00	0.00	0.00
56	79	172.3	462.3	-0.0	-0.00	0.00	0.00
	80	-172.3	462.3	-0.0	0.00	0.00	0.00
57	79	-32.0	462.3	-0.0	-0.00	0.00	0.00
	80	32.0	462.3	-0.0	0.00	0.00	0.00
58	79	87.9	462.3	-0.0	-0.00	0.00	0.00
	80	-87.9	462.3	-0.0	0.00	0.00	0.00
1	80	-64.4	680.0	0.0	0.00	0.00	0.00
	81	64.4	680.0	0.0	-0.00	0.00	0.00
2	80	-105.3	3270.7	0.0	0.00	0.00	0.00
	81	105.3	3270.7	0.0	-0.00	0.00	0.00
3	80	-8759.5	3270.7	0.0	0.00	0.00	0.00
	81	8759.5	3270.7	0.0	-0.00	0.00	0.00
4	80	-8813.8	4514.3	-298.5	0.00	0.00	0.00
	81	8813.8	4514.3	-298.5	-0.00	0.00	0.00
5	80	-8734.9	3270.7	0.0	0.00	0.00	0.00
	81	8734.9	3270.7	0.0	-0.00	0.00	0.00
6	80	-8689.9	2338.0	223.8	0.00	0.00	0.00
	81	8689.9	2338.0	223.8	-0.00	0.00	0.00
7	80	8521.2	3270.7	0.0	-0.00	0.00	0.00
	81	-8521.2	3270.7	0.0	0.00	0.00	0.00
8	80	8466.9	4514.3	-298.5	-0.00	0.00	0.00
	81	-8466.9	4514.3	-298.5	0.00	0.00	0.00
9	80	8545.9	3270.7	0.0	-0.00	0.00	0.00
	81	-8545.9	3270.7	0.0	0.00	0.00	0.00
10	80	8590.8	2338.0	223.8	-0.00	0.00	0.00
	81	-8590.8	2338.0	223.8	0.00	0.00	0.00
11	80	-8748.2	1975.3	0.0	0.00	0.00	0.00
	81	8748.2	1975.3	0.0	-0.00	0.00	0.00
12	80	8532.5	1975.3	0.0	-0.00	0.00	0.00
	81	-8532.5	1975.3	0.0	0.00	0.00	0.00
13	80	-8838.8	4047.9	-497.4	0.00	0.00	0.00
	81	8838.8	4047.9	-497.4	-0.00	0.00	0.00
14	80	8441.9	4047.9	-497.4	-0.00	0.00	0.00
	81	-8441.9	4047.9	-497.4	0.00	0.00	0.00
15	80	-8707.2	1975.3	0.0	0.00	0.00	0.00
	81	8707.2	1975.3	0.0	-0.00	0.00	0.00
16	80	8573.6	1975.3	0.0	-0.00	0.00	0.00
	81	-8573.6	1975.3	0.0	0.00	0.00	0.00
17	80	-8632.3	420.9	373.1	0.00	0.00	0.00
	81	8632.3	420.9	373.1	-0.00	0.00	0.00
18	80	8648.4	420.9	373.1	-0.00	0.00	0.00
	81	-8648.4	420.9	373.1	0.00	0.00	0.00
19	80	-14499.3	1975.3	0.0	0.00	0.00	0.00

	81	14499.3	1975.3	0.0	-0.00	0.00	0.00
20	80	14302.0	1975.3	0.0	-0.00	0.00	0.00
	81	-14302.0	1975.3	0.0	0.00	0.00	0.00
21	80	-14553.6	3218.9	-298.5	0.00	0.00	0.00
	81	14553.6	3218.9	-298.5	-0.00	0.00	0.00
22	80	14247.6	3218.9	-298.5	-0.00	0.00	0.00
	81	-14247.6	3218.9	-298.5	0.00	0.00	0.00
23	80	-14474.6	1975.3	0.0	0.00	0.00	0.00
	81	14474.6	1975.3	0.0	-0.00	0.00	0.00
24	80	14326.6	1975.3	0.0	-0.00	0.00	0.00
	81	-14326.6	1975.3	0.0	0.00	0.00	0.00
25	80	-14429.7	1042.7	223.8	0.00	0.00	0.00
	81	14429.7	1042.7	223.8	-0.00	0.00	0.00
26	80	14371.5	1042.7	223.8	-0.00	0.00	0.00
	81	-14371.5	1042.7	223.8	0.00	0.00	0.00
27	80	-56.3	2189.5	0.0	0.00	0.00	0.00
	81	56.3	2189.5	0.0	-0.00	0.00	0.00
28	80	-26.1	2189.5	0.0	0.00	0.00	0.00
	81	26.1	2189.5	0.0	-0.00	0.00	0.00
29	80	-116.6	2189.5	0.0	0.00	0.00	0.00
	81	116.6	2189.5	0.0	-0.00	0.00	0.00
30	80	-87.8	2189.5	0.0	0.00	0.00	0.00
	81	87.8	2189.5	0.0	-0.00	0.00	0.00
31	80	-128.0	2189.5	0.0	-0.00	0.00	0.00
	81	128.0	2189.5	0.0	0.00	0.00	0.00
32	80	-97.8	2189.5	0.0	-0.00	0.00	0.00
	81	97.8	2189.5	0.0	0.00	0.00	0.00
33	80	-16.0	2189.5	0.0	-0.00	0.00	0.00
	81	16.0	2189.5	0.0	0.00	0.00	0.00
34	80	-37.5	2189.5	0.0	-0.00	0.00	0.00
	81	37.5	2189.5	0.0	0.00	0.00	0.00
35	80	-63.4	1325.9	0.0	0.00	0.00	0.00
	81	63.4	1325.9	0.0	-0.00	0.00	0.00
36	80	-58.9	462.3	0.0	0.00	0.00	0.00
	81	58.9	462.3	0.0	-0.00	0.00	0.00
37	80	-95.2	1291.4	-199.0	0.00	0.00	0.00
	81	95.2	1291.4	-199.0	-0.00	0.00	0.00
38	80	-42.5	462.3	0.0	0.00	0.00	0.00
	81	42.5	462.3	0.0	-0.00	0.00	0.00
39	80	-12.6	-159.4	149.2	0.00	0.00	0.00
	81	12.6	-159.4	149.2	-0.00	0.00	0.00
40	80	-5810.0	462.3	0.0	0.00	0.00	0.00
	81	5810.0	462.3	0.0	-0.00	0.00	0.00
41	80	5710.5	462.3	0.0	-0.00	0.00	0.00
	81	-5710.5	462.3	0.0	0.00	0.00	0.00
42	80	-77.0	2189.5	0.0	0.00	0.00	0.00
	81	77.0	2189.5	0.0	-0.00	0.00	0.00
43	80	-54.9	2189.5	0.0	0.00	0.00	0.00
	81	54.9	2189.5	0.0	-0.00	0.00	0.00
44	80	-28.1	2189.5	0.0	0.00	0.00	0.00
	81	28.1	2189.5	0.0	-0.00	0.00	0.00
45	80	-111.1	2189.5	0.0	0.00	0.00	0.00
	81	111.1	2189.5	0.0	-0.00	0.00	0.00
46	80	-132.4	2189.5	0.0	0.00	0.00	0.00
	81	132.4	2189.5	0.0	-0.00	0.00	0.00
47	80	-126.0	2189.5	0.0	-0.00	0.00	0.00

	81	126.0	2189.5	0.0	0.00	0.00	0.00
48	80	-99.1	2189.5	0.0	-0.00	0.00	0.00
	81	99.1	2189.5	0.0	0.00	0.00	0.00
49	80	-21.6	2189.5	0.0	-0.00	0.00	0.00
	81	21.6	2189.5	0.0	0.00	0.00	0.00
50	80	-43.0	2189.5	0.0	-0.00	0.00	0.00
	81	43.0	2189.5	0.0	0.00	0.00	0.00
51	80	-31.9	462.3	0.0	0.00	0.00	0.00
	81	31.9	462.3	0.0	-0.00	0.00	0.00
52	80	-10.2	462.3	0.0	0.00	0.00	0.00
	81	10.2	462.3	0.0	-0.00	0.00	0.00
53	80	-77.3	462.3	0.0	0.00	0.00	0.00
	81	77.3	462.3	0.0	-0.00	0.00	0.00
54	80	-94.5	462.3	0.0	0.00	0.00	0.00
	81	94.5	462.3	0.0	-0.00	0.00	0.00
55	80	-89.3	462.3	0.0	-0.00	0.00	0.00
	81	89.3	462.3	0.0	0.00	0.00	0.00
56	80	-67.6	462.3	0.0	-0.00	0.00	0.00
	81	67.6	462.3	0.0	0.00	0.00	0.00
57	80	-5.0	462.3	0.0	0.00	0.00	0.00
	81	5.0	462.3	0.0	-0.00	0.00	0.00
58	80	-22.2	462.3	0.0	-0.00	0.00	0.00
	81	22.2	462.3	0.0	0.00	0.00	0.00
1	95	-1406.3	-888.1	44.0	0.04	-0.08	-1.37
	96	1406.3	888.1	-44.0	-0.04	-0.06	-1.47
2	95	-2152.6	-1026.6	-55.6	0.07	0.08	-1.58
	96	2152.6	1026.6	55.6	-0.07	0.10	-1.71
3	95	20292.3	359.4	2700.7	-0.45	-5.02	0.10
	96	-20292.3	-359.4	-2700.7	0.45	-3.62	1.05
4	95	19916.7	363.7	2509.2	-0.48	-4.94	0.13
	96	-19916.7	-363.7	-2705.0	0.48	-3.40	1.04
5	95	22735.9	-276.7	2787.8	-0.47	-5.28	-0.93
	96	-22735.9	276.7	-2787.8	0.47	-3.64	0.04
6	95	22868.2	-272.1	3071.3	-0.46	-5.44	-0.95
	96	-22868.2	272.1	-2745.0	0.46	-3.87	0.08
7	95	-27055.5	-1716.9	-2887.7	0.62	5.41	-2.12
	96	27055.5	1716.9	2887.7	-0.62	3.83	-3.37
8	95	-27431.1	-1712.6	-3079.1	0.59	5.49	-2.09
	96	27431.1	1712.6	2883.3	-0.59	4.05	-3.39
9	95	-24612.0	-2353.0	-2800.5	0.60	5.15	-3.15
	96	24612.0	2353.0	2800.5	-0.60	3.81	-4.38
10	95	-24479.6	-2348.4	-2517.0	0.61	4.99	-3.17
	96	24479.6	2348.4	2843.3	-0.61	3.59	-4.34
11	95	19846.1	660.6	2725.2	-0.46	-5.03	0.58
	96	-19846.1	-660.6	-2725.2	0.46	-3.69	1.54
12	95	-27501.7	-1415.8	-2863.1	0.61	5.40	-1.64
	96	27501.7	1415.8	2863.1	-0.61	3.76	-2.89
13	95	19220.1	667.7	2406.0	-0.50	-4.89	0.63
	96	-19220.1	-667.7	-2732.4	0.50	-3.33	1.50
14	95	-28127.8	-1408.6	-3182.3	0.57	5.54	-1.59
	96	28127.8	1408.6	2855.9	-0.57	4.13	-2.92
15	95	23918.7	-399.6	2870.4	-0.50	-5.46	-1.13
	96	-23918.7	399.6	-2870.4	0.50	-3.73	-0.15
16	95	-23429.2	-2475.9	-2717.9	0.57	4.97	-3.35
	96	23429.2	2475.9	2717.9	-0.57	3.73	-4.57

	95	24139.3	-391.9	3342.9	-0.47	-5.73	-1.17
	96	-24139.3	391.9	-2799.1	0.47	-4.10	-0.09
18	95	-23208.6	-2468.2	-2245.4	0.60	4.70	-3.39
	96	23208.6	2468.2	2789.3	-0.60	3.35	-4.51
19	95	36448.1	1120.8	4613.2	-0.82	-8.58	0.94
	96	-36448.1	-1120.8	-4613.2	0.82	-6.18	2.65
20	95	-42465.0	-2339.8	-4700.6	0.96	8.80	-2.76
	96	42465.0	2339.8	4700.6	-0.96	6.24	-4.73
21	95	36072.4	1125.1	4421.7	-0.85	-8.50	0.97
	96	-36072.4	-1125.1	-4617.5	0.85	-5.97	2.63
22	95	-42840.6	-2335.5	-4892.1	0.93	8.88	-2.73
	96	42840.6	2335.5	4696.3	-0.93	6.46	-4.75
23	95	38891.6	484.7	4700.3	-0.85	-8.84	-0.08
	96	-38891.6	-484.7	-4700.3	0.85	-6.21	1.64
24	95	-40021.5	-2975.9	-4613.5	0.94	8.54	-3.78
	96	40021.5	2975.9	4613.5	-0.94	6.22	-5.74
25	95	39024.0	489.3	4983.9	-0.83	-9.00	-0.11
	96	-39024.0	-489.3	-4657.5	0.83	-6.43	1.67
26	95	-39889.1	-2971.3	-4330.0	0.95	8.38	-3.81
	96	39889.1	2971.3	4656.3	-0.95	6.00	-5.70
27	95	7707.3	-5568.2	-272.2	-0.24	-0.01	-8.86
	96	-7707.3	5568.2	272.2	0.24	0.83	-8.96
28	95	4860.7	-4501.4	-622.3	-0.71	-0.11	-7.17
	96	-4860.7	4501.4	622.3	0.71	2.02	-7.23
29	95	5496.8	-3799.8	433.4	0.68	0.18	-6.00
	96	-5496.8	3799.8	-433.4	-0.68	-1.52	-6.17
30	95	-3988.9	560.6	104.7	0.20	0.06	0.95
	96	3988.9	-560.6	-104.7	-0.20	-0.37	0.85
31	95	-8097.1	3040.1	576.9	0.81	0.17	4.93
	96	8097.1	-3040.1	-576.9	-0.81	-1.93	4.80
32	95	-10943.7	4106.8	226.9	0.33	0.07	6.61
	96	10943.7	-4106.8	-226.9	-0.33	-0.75	6.53
33	95	-3991.9	-244.0	-733.5	-0.90	-0.17	-0.38
	96	3991.9	244.0	733.5	0.90	2.44	-0.40
34	95	-8733.2	2338.5	-478.8	-0.59	-0.12	3.76
	96	8733.2	-2338.5	478.8	0.59	1.61	3.73
35	95	-1369.5	-684.5	10.5	0.03	-0.02	-1.05
	96	1369.5	684.5	-10.5	-0.03	-0.01	-1.14
36	95	-1940.1	-406.5	18.4	0.03	-0.01	-0.61
	96	1940.1	406.5	-18.4	-0.03	-0.05	-0.70
37	95	-2190.5	-403.6	-109.2	0.01	0.05	-0.58
	96	2190.5	403.6	-21.3	-0.01	0.09	-0.71
38	95	-311.0	-830.5	76.5	0.02	-0.18	-1.29
	96	311.0	830.5	-76.5	-0.02	-0.07	-1.37
39	95	-222.8	-827.4	265.5	0.02	-0.28	-1.30
	96	222.8	827.4	-48.0	-0.02	-0.22	-1.34
40	95	14661.9	53.8	1906.5	-0.33	-3.56	-0.24
	96	-14661.9	-53.8	-1906.5	0.33	-2.54	0.41
41	95	-16903.3	-1330.5	-1819.1	0.38	3.40	-1.72
	96	16903.3	1330.5	1819.1	-0.38	2.43	-2.54
42	95	-1618.2	-730.7	-22.7	0.05	0.03	-1.12
	96	1618.2	730.7	22.7	-0.05	0.04	-1.22
43	95	7967.9	-5728.6	-278.3	-0.25	0.00	-9.11
	96	-7967.9	5728.6	278.3	0.25	0.86	-7.46
44	95	5071.3	-4643.9	-637.7	-0.75	-0.10	-7.40
	96	-5071.3	4643.9	637.7	0.75	2.09	-9.22

	95	5650.8	-3875.2	445.8	0.71	0.18	-6.12
	96	-5650.8	3875.2	-445.8	-0.71	-1.58	-0.42
46	95	768.1	-1201.8	707.0	1.04	0.22	-1.84
	96	-768.1	1201.8	-707.0	-1.04	-2.44	3.86
47	95	-8307.7	3182.6	592.4	0.84	0.16	5.15
	96	8307.7	-3182.6	-592.4	-0.84	-2.00	6.79
48	95	-11204.3	4267.3	232.9	0.34	0.06	6.87
	96	11204.3	-4267.3	-232.9	-0.34	-0.77	5.03
49	95	-4004.5	-259.5	-752.3	-0.95	-0.16	-0.41
	96	4004.5	259.5	752.3	0.95	2.52	-6.29
50	95	-8887.2	2413.8	-491.1	-0.62	-0.12	3.87
	96	8887.2	-2413.8	491.1	0.62	1.66	-2.01
51	95	6705.0	-4695.2	-161.7	-0.21	-0.10	-7.47
	96	-6705.0	4695.2	161.7	0.21	0.59	-7.56
52	95	4336.1	-3818.4	-449.5	-0.61	-0.18	-6.08
	96	-4336.1	3818.4	449.5	0.61	1.58	-6.14
53	95	4819.9	-3185.3	418.5	0.56	0.04	-5.03
	96	-4819.9	3185.3	-418.5	-0.56	-1.36	-5.17
54	95	835.1	-1014.2	628.1	0.82	0.08	-1.55
	96	-835.1	1014.2	-628.1	-0.82	-2.05	-1.70
55	95	-6577.5	2541.7	536.9	0.66	0.02	4.12
	96	6577.5	-2541.7	-536.9	-0.66	-1.70	4.01
56	95	-8946.5	3418.5	249.1	0.26	-0.06	5.50
	96	8946.5	-3418.5	-249.1	-0.26	-0.71	5.44
57	95	-3076.6	-262.5	-540.7	-0.77	-0.24	-0.41
	96	3076.6	262.5	540.7	0.77	1.93	-0.43
58	95	-7061.3	1908.6	-331.1	-0.51	-0.20	3.07
	96	7061.3	-1908.6	331.1	0.51	1.24	3.04
1	96	-926.9	-45.1	-31.0	0.06	0.03	-0.11
	97	926.9	45.1	31.0	-0.06	0.11	-0.09
2	96	-1871.8	-124.2	45.0	0.05	-0.19	-0.30
	97	1871.8	124.2	-45.0	-0.05	-0.01	-0.25
3	96	53095.1	1279.6	-1009.7	-0.10	2.63	3.03
	97	-53095.1	-1279.6	1009.7	0.10	1.86	2.66
4	96	52214.8	1256.6	-989.5	-0.11	2.49	2.98
	97	-52214.8	-1256.6	717.2	0.11	1.31	2.61
5	96	55210.4	893.9	-1051.2	-0.18	2.70	2.17
	97	-55210.4	-893.9	1051.2	0.18	1.98	1.81
6	96	55839.0	926.8	-955.2	-0.17	2.79	2.25
	97	-55839.0	-926.8	1409.0	0.17	2.47	1.88
7	96	-59023.4	-1117.2	1147.7	0.29	-3.09	-2.72
	97	59023.4	1117.2	-1147.7	-0.29	-2.02	-2.26
8	96	-59903.7	-1140.2	1167.9	0.27	-3.23	-2.77
	97	59903.7	1140.2	-1440.2	-0.27	-2.57	-2.30
9	96	-56908.1	-1502.9	1106.1	0.21	-3.02	-3.58
	97	56908.1	1502.9	-1106.1	-0.21	-1.90	-3.11
10	96	-56279.5	-1470.0	1202.2	0.22	-2.92	-3.50
	97	56279.5	1470.0	-748.4	-0.22	-1.42	-3.04
11	96	52839.3	1456.1	-1031.6	-0.06	2.71	3.44
	97	-52839.3	-1456.1	1031.6	0.06	1.88	3.04
12	96	-59279.2	-940.7	1125.7	0.32	-3.00	-2.31
	97	59279.2	940.7	-1125.7	-0.32	-2.01	-1.88
13	96	51372.1	1417.9	-998.0	-0.09	2.48	3.34
	97	-51372.1	-1417.9	544.2	0.09	0.96	2.97
14	96	-60746.3	-978.9	1159.4	0.30	-3.24	-2.41

	97	60746.3	978.9	-1613.2	-0.30	-2.93	-1.95
15	96	56364.8	813.2	-1100.9	-0.20	2.83	2.00
	97	-56364.8	-813.2	1100.9	0.20	2.07	1.62
16	96	-55753.7	-1583.6	1056.4	0.19	-2.89	-3.75
	97	55753.7	1583.6	-1056.4	-0.19	-1.81	-3.30
17	96	57412.4	868.1	-940.8	-0.19	2.99	2.12
	97	-57412.4	-868.1	1697.2	0.19	2.88	1.74
18	96	-54706.1	-1528.7	1216.5	0.20	-2.73	-3.62
	97	54706.1	1528.7	-460.2	-0.20	-1.00	-3.18
19	96	90940.4	2118.1	-1766.8	-0.22	4.64	5.05
	97	-90940.4	-2118.1	1766.8	0.22	3.22	4.38
20	96	-95923.7	-1876.6	1828.8	0.42	-4.88	-4.53
	97	95923.7	1876.6	-1828.8	-0.42	-3.26	-3.82
21	96	90060.1	2095.1	-1746.6	-0.24	4.50	4.99
	97	-90060.1	-2095.1	1474.3	0.24	2.67	4.33
22	96	-96804.1	-1899.5	1849.0	0.41	-5.03	-4.59
	97	96804.1	1899.5	-2121.3	-0.41	-3.81	-3.86
23	96	93055.6	1732.4	-1808.3	-0.31	4.71	4.18
	97	-93055.6	-1732.4	1808.3	0.31	3.34	3.53
24	96	-93808.5	-2262.3	1787.2	0.34	-4.82	-5.40
	97	93808.5	2262.3	-1787.2	-0.34	-3.14	-4.67
25	96	93684.2	1765.3	-1712.3	-0.30	4.81	4.26
	97	-93684.2	-1765.3	2166.1	0.30	3.82	3.60
26	96	-93179.9	-2229.3	1883.3	0.35	-4.72	-5.32
	97	93179.9	2229.3	-1429.5	-0.35	-2.65	-4.60
27	96	6313.6	-2997.9	415.2	0.11	-0.91	-6.65
	97	-6313.6	2997.9	-415.2	-0.11	-0.95	-6.69
28	96	3071.8	-2353.3	883.3	0.58	-2.15	-5.23
	97	-3071.8	2353.3	-883.3	-0.58	-1.80	-5.24
29	96	5849.3	-1938.6	-569.9	-0.65	1.54	-4.30
	97	-5849.3	1938.6	569.9	0.65	1.02	-4.33
30	96	-3193.6	688.0	-166.1	-0.05	0.32	1.50
	97	3193.6	-688.0	166.1	0.05	0.42	1.56
31	96	-5819.1	2176.9	-839.2	-0.51	1.94	4.80
	97	5819.1	-2176.9	839.2	0.51	1.82	4.88
32	96	-9060.9	2821.4	-371.0	-0.04	0.69	6.22
	97	9060.9	-2821.4	371.0	0.04	0.96	6.33
33	96	-4956.8	209.8	990.4	0.92	-2.61	0.43
	97	4956.8	-209.8	-990.4	-0.92	-1.83	0.50
34	96	-8596.6	1762.2	614.1	0.73	-1.76	3.87
	97	8596.6	-1762.2	-614.1	-0.73	-1.00	3.97
35	96	-1058.7	-61.8	-3.2	0.04	-0.03	-0.15
	97	1058.7	61.8	3.2	-0.04	0.05	-0.13
36	96	-1472.0	101.5	-12.5	0.07	0.01	0.22
	97	1472.0	-101.5	12.5	-0.07	0.04	0.23
37	96	-2058.8	86.2	0.9	0.06	-0.08	0.18
	97	2058.8	-86.2	-182.4	-0.06	-0.33	0.20
38	96	-61.8	-155.6	-40.3	0.02	0.06	-0.35
	97	61.8	155.6	40.3	-0.02	0.12	-0.34
39	96	357.3	-133.7	23.8	0.02	0.12	-0.30
	97	-357.3	133.7	278.8	-0.02	0.44	-0.29
40	96	36629.1	763.5	-747.7	-0.09	1.94	1.83
	97	-36629.1	-763.5	747.7	0.09	1.38	1.57
41	96	-38116.6	-834.4	690.6	0.17	-1.87	-2.00
	97	38116.6	834.4	-690.6	-0.17	-1.21	-1.71
42	96	-1373.7	-88.2	22.1	0.04	-0.11	-0.21

	97	1373.7	88.2	-22.1	-0.04	0.01	-0.18
43	96	6518.0	-3094.5	428.5	0.12	-0.94	-6.86
	97	-6518.0	3094.5	-428.5	-0.12	-0.98	-6.91
44	96	3185.7	-2439.3	914.3	0.61	-2.23	-5.42
	97	-3185.7	2439.3	-914.3	-0.61	-1.86	-5.43
45	96	6047.7	-1984.0	-592.7	-0.68	1.61	-4.40
	97	-6047.7	1984.0	592.7	0.68	1.05	-4.43
46	96	2312.4	-376.8	-982.3	-0.88	2.49	-0.84
	97	-2312.4	376.8	982.3	0.88	1.91	-0.84
47	96	-5933.0	2262.8	-870.1	-0.53	2.02	4.99
	97	5933.0	-2262.8	870.1	0.53	1.88	5.08
48	96	-9265.3	2918.1	-384.3	-0.04	0.72	6.43
	97	9265.3	-2918.1	384.3	0.04	0.99	6.55
49	96	-5059.7	200.3	1026.5	0.96	-2.70	0.41
	97	5059.7	-200.3	-1026.5	-0.96	-1.89	0.48
50	96	-8795.0	1807.5	636.9	0.76	-1.82	3.97
	97	8795.0	-1807.5	-636.9	-0.76	-1.03	4.08
51	96	5704.7	-2475.8	298.8	0.10	-0.63	-5.48
	97	-5704.7	2475.8	-298.8	-0.10	-0.71	-5.54
52	96	2994.5	-1945.9	687.3	0.50	-1.66	-4.32
	97	-2994.5	1945.9	-687.3	-0.50	-1.41	-4.34
53	96	5301.3	-1571.2	-519.7	-0.54	1.41	-3.47
	97	-5301.3	1571.2	519.7	0.54	0.92	-3.52
54	96	2245.3	-265.9	-832.7	-0.70	2.12	-0.58
	97	-2245.3	265.9	832.7	0.70	1.61	-0.60
55	96	-4481.9	1875.1	-744.5	-0.42	1.74	4.15
	97	4481.9	-1875.1	744.5	0.42	1.59	4.20
56	96	-7192.2	2404.9	-355.9	-0.02	0.70	5.31
	97	7192.2	-2404.9	355.9	0.02	0.88	5.39
57	96	-3732.8	195.1	775.6	0.78	-2.04	0.42
	97	3732.8	-195.1	-775.6	-0.78	-1.43	0.45
58	96	-6788.8	1500.3	462.6	0.62	-1.33	3.30
	97	6788.8	-1500.3	-462.6	-0.62	-0.74	3.37
1	97	528.2	-4.3	184.6	0.10	-0.38	-0.01
	98	-528.2	4.3	-184.6	-0.10	-0.40	-0.01
2	97	1203.0	-49.5	220.8	0.10	-0.41	-0.11
	98	-1203.0	49.5	-220.8	-0.10	-0.51	-0.10
3	97	68850.7	710.0	1376.1	0.62	-3.10	1.85
	98	-68850.7	-710.0	-1376.1	-0.62	-2.68	1.13
4	97	68516.0	683.8	829.5	0.34	-2.10	1.80
	98	-68516.0	-683.8	-1086.5	-0.34	-1.92	1.07
5	97	70508.9	273.9	1514.1	0.65	-3.44	0.94
	98	-70508.9	-273.9	-1514.1	-0.65	-2.92	0.21
6	97	70723.6	318.8	1955.8	0.82	-4.11	1.03
	98	-70723.6	-318.8	-1527.5	-0.82	-3.20	0.31
7	97	-68172.5	-344.1	-1087.1	-0.45	2.65	-1.09
	98	68172.5	344.1	1087.1	0.45	1.92	-0.35
8	97	-68507.1	-370.3	-1633.7	-0.72	3.65	-1.15
	98	68507.1	370.3	1376.7	0.72	2.67	-0.41
9	97	-66514.2	-780.2	-949.1	-0.42	2.31	-2.01
	98	66514.2	780.2	949.1	0.42	1.67	-1.27
10	97	-66299.5	-735.3	-507.4	-0.25	1.64	-1.91
	98	66299.5	735.3	935.7	0.25	1.39	-1.17
11	97	67937.4	887.5	1307.1	0.60	-2.96	2.23
	98	-67937.4	-887.5	-1307.1	-0.60	-2.53	1.50

	97	-69085.8	-166.6	-1156.1	-0.46	2.79	-0.72
	98	69085.8	166.6	1156.1	0.46	2.06	0.02
13	97	67379.6	843.9	396.1	0.14	-1.29	2.14
	98	-67379.6	-843.9	-824.4	-0.14	-1.28	1.41
14	97	-69643.5	-210.2	-2067.1	-0.92	4.46	-0.81
	98	69643.5	210.2	1638.8	0.92	3.32	-0.08
15	97	70701.1	160.7	1537.2	0.65	-3.52	0.70
	98	-70701.1	-160.7	-1537.2	-0.65	-2.93	-0.03
16	97	-66322.0	-893.4	-926.0	-0.41	2.23	-2.24
	98	66322.0	893.4	926.0	0.41	1.66	-1.51
17	97	71059.0	235.5	2273.3	0.93	-4.65	0.86
	98	-71059.0	-235.5	-1559.4	-0.93	-3.40	0.13
18	97	-65964.2	-818.6	-189.9	-0.14	1.10	-2.09
	98	65964.2	818.6	903.8	0.14	1.19	-1.35
19	97	114187.7	1084.0	2179.0	0.97	-5.00	2.89
	98	-114187.7	-1084.0	-2179.0	-0.97	-4.15	1.67
20	97	-114184.2	-672.9	-1926.3	-0.81	4.58	-2.02
	98	114184.2	672.9	1926.3	0.81	3.51	-0.80
21	97	113853.0	1057.8	1632.4	0.69	-4.00	2.83
	98	-113853.0	-1057.8	-1889.4	-0.69	-3.40	1.61
22	97	-114518.9	-699.1	-2472.9	-1.08	5.59	-2.08
	98	114518.9	699.1	2215.9	1.08	4.26	-0.86
23	97	115845.9	647.9	2317.1	1.00	-5.34	1.97
	98	-115845.9	-647.9	-2317.1	-1.00	-4.39	0.75
24	97	-112526.0	-1109.0	-1788.3	-0.78	4.25	-2.94
	98	112526.0	1109.0	1788.3	0.78	3.26	-1.72
25	97	116060.6	692.7	2758.8	1.17	-6.02	2.06
	98	-116060.6	-692.7	-2330.4	-1.17	-4.67	0.85
26	97	-112311.3	-1064.1	-1346.6	-0.61	3.57	-2.85
	98	112311.3	1064.1	1774.9	0.61	2.98	-1.62
27	97	6645.0	-2618.9	343.4	0.08	-0.65	-5.47
	98	-6645.0	2618.9	-343.4	-0.08	-0.80	-5.53
28	97	4214.9	-3382.1	1067.2	0.43	-2.08	-7.07
	98	-4214.9	3382.1	-1067.2	-0.43	-2.41	-7.14
29	97	6225.2	344.8	-890.3	-0.47	1.79	0.71
	98	-6225.2	-344.8	890.3	0.47	1.95	0.73
30	97	-614.8	850.1	-17.6	0.01	0.04	1.77
	98	614.8	-850.1	17.6	-0.01	0.03	1.80
31	97	-2654.6	3305.1	-768.8	-0.29	1.52	6.90
	98	2654.6	-3305.1	768.8	0.29	1.71	6.98
32	97	-5084.6	2541.9	-45.0	0.06	0.08	5.31
	98	5084.6	-2541.9	45.0	-0.06	0.11	5.37
33	97	-1875.0	-2199.0	1522.3	0.72	-3.00	-4.59
	98	1875.0	2199.0	-1522.3	-0.72	-3.40	-4.64
34	97	-4664.8	-421.8	1188.7	0.61	-2.35	-0.88
	98	4664.8	421.8	-1188.7	-0.61	-2.64	-0.89
35	97	555.2	-23.4	137.1	0.07	-0.27	-0.05
	98	-555.2	23.4	-137.1	-0.07	-0.31	-0.05
36	97	-245.6	146.6	74.2	0.05	-0.13	0.31
	98	245.6	-146.6	-74.2	-0.05	-0.18	0.31
37	97	-468.7	129.1	-290.2	-0.13	0.54	0.27
	98	468.7	-129.1	118.9	0.13	0.32	0.27
38	97	859.9	-144.1	166.2	0.07	-0.36	-0.30
	98	-859.9	144.1	-166.2	-0.07	-0.34	-0.30
39	97	1003.0	-114.2	460.7	0.18	-0.81	-0.24
	98	-1003.0	114.2	-175.1	-0.18	-0.53	-0.24

	97	46004.7	343.0	946.1	0.42	-2.18	0.97
	98	-46004.7	-343.0	-946.1	-0.42	-1.80	0.47
41	97	-45344.1	-359.7	-696.0	-0.29	1.66	-1.00
	98	45344.1	359.7	696.0	0.29	1.26	-0.51
42	97	780.2	-38.5	149.2	0.07	-0.28	-0.08
	98	-780.2	38.5	-149.2	-0.07	-0.35	-0.08
43	97	6797.4	-2716.9	368.9	0.08	-0.70	-5.68
	98	-6797.4	2716.9	-368.9	-0.08	-0.86	-5.73
44	97	4312.8	-3497.2	1100.4	0.44	-2.14	-7.31
	98	-4312.8	3497.2	-1100.4	-0.44	-2.48	-7.38
45	97	6353.7	341.4	-894.2	-0.47	1.79	0.71
	98	-6353.7	-341.4	894.2	0.47	1.97	0.73
46	97	3488.7	2182.5	-1245.5	-0.58	2.47	4.55
	98	-3488.7	-2182.5	1245.5	0.58	2.76	4.62
47	97	-2752.4	3420.2	-802.0	-0.30	1.58	7.14
	98	2752.4	-3420.2	802.0	0.30	1.79	7.22
48	97	-5237.0	2639.9	-70.6	0.05	0.13	5.51
	98	5237.0	-2639.9	70.6	-0.05	0.17	5.57
49	97	-1928.4	-2259.5	1543.9	0.72	-3.04	-4.72
	98	1928.4	2259.5	-1543.9	-0.72	-3.45	-4.77
50	97	-4793.3	-418.4	1192.6	0.61	-2.35	-0.87
	98	4793.3	418.4	-1192.6	-0.61	-2.66	-0.89
51	97	5246.7	-2184.7	298.5	0.08	-0.58	-4.56
	98	-5246.7	2184.7	-298.5	-0.08	-0.67	-4.61
52	97	3224.5	-2813.6	886.7	0.36	-1.75	-5.87
	98	-3224.5	2813.6	-886.7	-0.36	-1.98	-5.94
53	97	4872.4	292.7	-715.0	-0.37	1.41	0.61
	98	-4872.4	-292.7	715.0	0.37	1.59	0.62
54	97	2529.2	1787.2	-995.6	-0.46	1.96	3.73
	98	-2529.2	-1787.2	995.6	0.46	2.23	3.78
55	97	-2563.8	2796.9	-636.6	-0.24	1.23	5.84
	98	2563.8	-2796.9	636.6	0.24	1.44	5.90
56	97	-4586.1	2168.0	-48.4	0.05	0.07	4.53
	98	4586.1	-2168.0	48.4	-0.05	0.14	4.57
57	97	-1868.6	-1803.9	1245.7	0.59	-2.47	-3.76
	98	1868.6	1803.9	-1245.7	-0.59	-2.76	-3.81
58	97	-4211.7	-309.4	965.2	0.50	-1.93	-0.64
	98	4211.7	309.4	-965.2	-0.50	-2.13	-0.66
1	98	-1224.9	15.9	-7.6	0.01	0.05	0.01
	99	1224.9	-15.9	7.6	-0.01	0.00	0.09
2	98	-3297.8	36.9	-7.7	0.01	0.02	0.03
	99	3297.8	-36.9	7.7	-0.01	0.03	0.20
3	98	64340.3	-188.7	21.4	0.09	0.15	-0.34
	99	-64340.3	188.7	-21.4	-0.09	-0.29	-0.84
4	98	62365.5	-195.4	-112.9	0.10	-0.13	-0.38
	99	-62365.5	195.4	-269.5	-0.10	-0.36	-0.84
5	98	65429.3	-390.6	66.3	0.10	0.03	-0.97
	99	-65429.3	390.6	-66.3	-0.10	-0.45	-1.47
6	98	66887.3	-374.9	351.6	0.10	0.02	-0.91
	99	-66887.3	374.9	285.8	-0.10	-0.23	-1.43
7	98	-72077.4	477.3	-85.9	-0.08	0.02	1.07
	99	72077.4	-477.3	85.9	0.08	0.52	1.91
8	98	-74052.2	470.5	-220.2	-0.06	-0.26	1.03
	99	74052.2	-470.5	-162.2	0.06	0.44	1.91
9	98	-70988.4	275.3	-41.1	-0.06	-0.10	0.44

	99	70988.4	-275.3	41.1	0.06	0.36	1.28
10	98	-69530.4	291.1	244.3	-0.06	-0.11	0.50
	99	69530.4	-291.1	393.1	0.06	0.58	1.32
11	98	64996.2	-127.5	5.1	0.08	0.21	-0.12
	99	-64996.2	127.5	-5.1	-0.08	-0.24	-0.67
12	98	-71421.5	538.4	-102.3	-0.09	0.08	1.29
	99	71421.5	-538.4	102.3	0.09	0.56	2.08
13	98	61704.8	-138.8	-218.7	0.10	-0.25	-0.19
	99	-61704.8	138.8	-418.7	-0.10	-0.37	-0.68
14	98	-74712.9	527.1	-326.0	-0.06	-0.39	1.22
	99	74712.9	-527.1	-311.3	0.06	0.43	2.07
15	98	66811.2	-464.1	79.9	0.10	0.01	-1.18
	99	-66811.2	464.1	-79.9	-0.10	-0.51	-1.72
16	98	-69606.5	201.8	-27.5	-0.06	-0.12	0.23
	99	69606.5	-201.8	27.5	0.06	0.30	1.03
17	98	69241.2	-437.9	555.4	0.11	-0.01	-1.07
	99	-69241.2	437.9	506.9	-0.11	-0.14	-1.66
18	98	-67176.5	228.1	448.1	-0.06	-0.14	0.34
	99	67176.5	-228.1	614.2	0.06	0.66	1.09
19	98	110849.3	-421.1	57.2	0.14	0.21	-0.82
	99	-110849.3	421.1	-57.2	-0.14	-0.57	-1.81
20	98	-116513.6	688.8	-121.6	-0.13	-0.01	1.53
	99	116513.6	-688.8	121.6	0.13	0.77	2.77
21	98	108874.5	-427.9	-77.0	0.15	-0.07	-0.86
	99	-108874.5	427.9	-305.4	-0.15	-0.65	-1.82
22	98	-118488.4	682.0	-255.9	-0.12	-0.29	1.49
	99	118488.4	-682.0	-126.5	0.12	0.69	2.77
23	98	111938.3	-623.1	102.1	0.15	0.09	-1.45
	99	-111938.3	623.1	-102.1	-0.15	-0.73	-2.44
24	98	-115424.5	486.8	-76.8	-0.12	-0.13	0.90
	99	115424.5	-486.8	76.8	0.12	0.61	2.14
25	98	113396.3	-607.4	387.4	0.16	0.08	-1.39
	99	-113396.3	607.4	249.9	-0.16	-0.51	-2.41
26	98	-113966.6	502.6	208.5	-0.12	-0.14	0.97
	99	113966.6	-502.6	428.8	0.12	0.83	2.18
27	98	1153.3	-1207.6	203.7	-0.09	-0.65	-3.84
	99	-1153.3	1207.6	-203.7	0.09	-0.58	-3.71
28	98	-544.0	-1568.8	346.3	-0.00	-1.09	-4.97
	99	544.0	1568.8	-346.3	0.00	-1.14	-4.84
29	98	1259.4	202.6	-158.6	-0.16	0.48	0.57
	99	-1259.4	-202.6	158.6	0.16	0.68	0.69
30	98	-3175.7	448.1	-89.1	0.02	0.27	1.34
	99	3175.7	-448.1	89.1	-0.02	0.28	1.46
31	98	-4201.2	1617.5	-356.4	0.02	1.11	5.00
	99	4201.2	-1617.5	356.4	-0.02	1.18	5.11
32	98	-5898.5	1256.3	-213.8	0.10	0.67	3.87
	99	5898.5	-1256.3	213.8	-0.10	0.62	3.98
33	98	-4398.2	-1001.4	316.5	0.14	-0.99	-3.19
	99	4398.2	1001.4	-316.5	-0.14	-1.17	-3.07
34	98	-6004.6	-153.9	148.5	0.17	-0.46	-0.54
	99	6004.6	153.9	-148.5	-0.17	-0.64	-0.42
35	98	-1681.6	17.4	-5.0	0.01	0.02	0.01
	99	1681.6	-17.4	5.0	-0.01	0.01	0.10
36	98	-1371.2	82.0	-21.3	0.00	0.07	0.23
	99	1371.2	-82.0	21.3	-0.00	0.06	0.28
37	98	-2687.8	77.5	-110.8	0.01	-0.11	0.20

	99	2687.8	-77.5	-144.1	-0.01	0.01	0.28
38	98	-645.2	-52.6	8.6	0.01	-0.01	-0.19
	99	645.2	52.6	-8.6	-0.01	-0.04	-0.14
39	98	326.8	-42.1	198.8	0.01	-0.02	-0.15
	99	-326.8	42.1	226.1	-0.01	0.10	-0.11
40	98	44481.9	-211.6	30.8	0.06	0.07	-0.46
	99	-44481.9	211.6	-30.8	-0.06	-0.26	-0.86
41	98	-46463.3	232.4	-40.7	-0.05	-0.02	0.48
	99	46463.3	-232.4	40.7	0.05	0.27	0.98
42	98	-2372.6	24.4	-5.1	0.01	0.01	0.02
	99	2372.6	-24.4	5.1	-0.01	0.02	0.14
43	98	1225.9	-1254.0	213.6	-0.09	-0.69	-3.98
	99	-1225.9	1254.0	-213.6	0.09	-0.61	-3.86
44	98	-475.6	-1624.0	355.7	-0.00	-1.10	-5.14
	99	475.6	1624.0	-355.7	0.00	-1.17	-5.01
45	98	1287.6	202.1	-154.9	-0.15	0.43	0.57
	99	-1287.6	-202.1	154.9	0.15	0.68	0.69
46	98	-361.1	1080.1	-328.7	-0.12	0.98	3.32
	99	361.1	-1080.1	328.7	0.12	1.22	3.43
47	98	-4269.6	1672.8	-365.8	0.02	1.13	5.17
	99	4269.6	-1672.8	365.8	-0.02	1.21	5.28
48	98	-5971.1	1302.7	-223.7	0.10	0.71	4.01
	99	5971.1	-1302.7	223.7	-0.10	0.65	4.13
49	98	-4384.1	-1031.4	318.6	0.14	-0.96	-3.29
	99	4384.1	1031.4	-318.6	-0.14	-1.18	-3.16
50	98	-6032.7	-153.4	144.8	0.17	-0.41	-0.54
	99	6032.7	153.4	-144.8	-0.17	-0.64	-0.42
51	98	1949.5	-1028.4	172.2	-0.07	-0.54	-3.24
	99	-1949.5	1028.4	-172.2	0.07	-0.51	-3.19
52	98	565.4	-1326.5	285.9	-0.00	-0.87	-4.17
	99	-565.4	1326.5	-285.9	0.00	-0.96	-4.12
53	98	1990.6	151.0	-124.2	-0.12	0.37	0.45
	99	-1990.6	-151.0	124.2	0.12	0.53	0.50
54	98	641.7	863.7	-264.6	-0.10	0.81	2.67
	99	-641.7	-863.7	264.6	0.10	0.97	2.72
55	98	-2546.8	1347.3	-295.8	0.01	0.93	4.19
	99	2546.8	-1347.3	295.8	-0.01	0.96	4.23
56	98	-3930.9	1049.1	-182.1	0.08	0.59	3.25
	99	3930.9	-1049.1	182.1	-0.08	0.51	3.30
57	98	-2623.1	-842.9	254.7	0.11	-0.75	-2.66
	99	2623.1	842.9	-254.7	-0.11	-0.96	-2.61
58	98	-3972.0	-130.2	114.3	0.14	-0.31	-0.43
	99	3972.0	130.2	-114.3	-0.14	-0.52	-0.38
1	99	519.6	-22.3	17.6	-0.03	-0.02	-0.04
	100	-519.6	22.3	-17.6	0.03	-0.04	-0.04
2	99	916.3	124.2	39.4	-0.05	-0.04	0.20
	100	-916.3	-124.2	-39.4	0.05	-0.09	0.23
3	99	45649.2	-698.1	162.0	-0.06	-0.24	-1.35
	100	-45649.2	698.1	-162.0	0.06	-0.32	-1.06
4	99	45368.4	-674.8	566.4	0.15	-1.05	-1.31
	100	-45368.4	674.8	-777.5	-0.15	-1.27	-1.02
5	99	46261.3	-1258.5	240.6	-0.06	-0.34	-2.30
	100	-46261.3	1258.5	-240.6	0.06	-0.49	-2.04
6	99	46460.4	-1255.1	70.6	-0.16	0.13	-2.29
	100	-46460.4	1255.1	281.2	0.16	0.23	-2.04

	99	-44460.0	1541.7	-167.7	-0.05	0.27	2.76
	100	44460.0	-1541.7	167.7	0.05	0.31	2.56
8	99	-44740.8	1565.0	236.7	0.16	-0.54	2.80
	100	44740.8	-1565.0	-447.8	-0.16	-0.64	2.60
9	99	-43847.9	981.3	-89.1	-0.05	0.17	1.81
	100	43847.9	-981.3	89.1	0.05	0.14	1.58
10	99	-43648.8	984.7	-259.1	-0.15	0.64	1.81
	100	43648.8	-984.7	610.9	0.15	0.86	1.58
11	99	45236.4	-572.9	122.9	-0.04	-0.20	-1.13
	100	-45236.4	572.9	-122.9	0.04	-0.23	-0.85
12	99	-44872.7	1666.9	-206.8	-0.03	0.32	2.98
	100	44872.7	-1666.9	206.8	0.03	0.40	2.77
13	99	44768.3	-534.2	796.9	0.29	-1.54	-1.07
	100	-44768.3	534.2	-1148.8	-0.29	-1.82	-0.78
14	99	-45340.9	1705.6	467.2	0.30	-1.03	3.04
	100	45340.9	-1705.6	-819.0	-0.30	-1.19	2.84
15	99	46256.5	-1506.9	254.0	-0.05	-0.37	-2.72
	100	-46256.5	1506.9	-254.0	0.05	-0.51	-2.48
16	99	-43852.6	732.9	-75.7	-0.04	0.15	1.39
	100	43852.6	-732.9	75.7	0.04	0.11	1.14
17	99	46588.3	-1501.3	-29.4	-0.22	0.43	-2.71
	100	-46588.3	1501.3	615.8	0.22	0.68	-2.47
18	99	-43520.9	738.5	-359.1	-0.21	0.94	1.40
	100	43520.9	-738.5	945.5	0.21	1.31	1.15
19	99	75487.3	-1517.9	261.0	-0.05	-0.40	-2.83
	100	-75487.3	1517.9	-261.0	0.05	-0.50	-2.40
20	99	-74694.7	2215.1	-288.5	-0.03	0.45	4.01
	100	74694.7	-2215.1	288.5	0.03	0.54	3.63
21	99	75206.4	-1494.7	665.4	0.15	-1.21	-2.80
	100	-75206.4	1494.7	-876.5	-0.15	-1.45	-2.36
22	99	-74975.6	2238.3	115.9	0.17	-0.36	4.05
	100	74975.6	-2238.3	-327.0	-0.17	-0.41	3.68
23	99	76099.3	-2078.3	339.6	-0.05	-0.50	-3.79
	100	-76099.3	2078.3	-339.6	0.05	-0.67	-3.38
24	99	-74082.7	1654.7	-209.9	-0.03	0.35	3.05
	100	74082.7	-1654.7	209.9	0.03	0.37	2.65
25	99	76298.4	-2075.0	169.6	-0.16	-0.03	-3.78
	100	-76298.4	2075.0	182.2	0.16	0.05	-3.38
26	99	-73883.6	1658.0	-379.9	-0.14	0.83	3.06
	100	73883.6	-1658.0	731.7	0.14	1.09	2.66
27	99	2807.4	-4382.7	507.2	-0.08	-0.70	-7.48
	100	-2807.4	4382.7	-507.2	0.08	-1.05	-7.64
28	99	1993.7	-3363.2	1080.6	0.09	-1.63	-5.74
	100	-1993.7	3363.2	-1080.6	-0.09	-2.10	-5.86
29	99	2474.1	-2778.8	-696.8	-0.31	1.18	-4.75
	100	-2474.1	2778.8	696.8	0.31	1.24	-4.84
30	99	18.5	1314.8	-199.7	-0.05	0.31	2.23
	100	-18.5	-1314.8	199.7	0.05	0.38	2.30
31	99	-857.3	3598.4	-1021.3	-0.17	1.56	6.13
	100	857.3	-3598.4	1021.3	0.17	1.97	6.29
32	99	-1671.0	4617.9	-448.0	0.00	0.63	7.86
	100	1671.0	-4617.9	448.0	-0.00	0.91	8.07
33	99	-238.3	619.6	1214.5	0.26	-1.92	1.05
	100	238.3	-619.6	-1214.5	-0.26	-2.28	1.09
34	99	-1337.7	3013.9	756.0	0.23	-1.25	5.13
	100	1337.7	-3013.9	-756.0	-0.23	-1.38	5.27

	99	436.0	68.8	22.3	-0.03	-0.03	0.11
	100	-436.0	-68.8	-22.3	0.03	-0.05	0.13
36	99	89.3	218.3	-13.1	-0.02	0.02	0.37
	100	-89.3	-218.3	13.1	0.02	0.03	0.38
37	99	-98.0	233.8	256.5	0.11	-0.52	0.39
	100	98.0	-233.8	-397.2	-0.11	-0.61	0.41
38	99	497.3	-155.3	39.3	-0.02	-0.05	-0.27
	100	-497.3	155.3	-39.3	0.02	-0.09	-0.27
39	99	630.0	-153.1	-74.0	-0.09	0.27	-0.26
	100	-630.0	153.1	308.6	0.09	0.39	-0.27
40	99	30340.1	-726.7	125.0	-0.03	-0.19	-1.34
	100	-30340.1	726.7	-125.0	0.03	-0.24	-1.17
41	99	-29732.7	766.5	-94.8	-0.02	0.15	1.40
	100	29732.7	-766.5	94.8	0.02	0.17	1.24
42	99	568.2	117.6	29.6	-0.04	-0.03	0.19
	100	-568.2	-117.6	-29.6	0.04	-0.07	0.21
43	99	2858.0	-3494.1	546.4	-0.07	-0.77	-5.97
	100	-2858.0	3494.1	-546.4	0.07	-1.12	-6.09
44	99	2051.4	-4538.3	1101.8	0.09	-1.65	-7.75
	100	-2051.4	4538.3	-1101.8	-0.09	-2.16	-7.91
45	99	2478.4	617.9	-657.7	-0.29	1.09	1.04
	100	-2478.4	-617.9	657.7	0.29	1.20	1.09
46	99	1346.4	3098.1	-1134.4	-0.31	1.79	5.27
	100	-1346.4	-3098.1	1134.4	0.31	2.14	5.42
47	99	-915.1	4773.5	-1042.6	-0.16	1.58	8.13
	100	915.1	-4773.5	1042.6	0.16	2.02	8.34
48	99	-1721.6	3729.3	-487.2	-0.00	0.70	6.35
	100	1721.6	-3729.3	487.2	0.00	0.98	6.52
49	99	-210.1	-2863.0	1193.6	0.24	-1.86	-4.89
	100	210.1	2863.0	-1193.6	-0.24	-2.27	-4.99
50	99	-1342.0	-382.7	716.9	0.21	-1.15	-0.66
	100	1342.0	382.7	-716.9	-0.21	-1.33	-0.66
51	99	2173.0	-3756.4	432.5	-0.05	-0.61	-6.41
	100	-2173.0	3756.4	-432.5	0.05	-0.88	-6.55
52	99	1514.2	-2914.7	878.7	0.08	-1.32	-4.97
	100	-1514.2	2914.7	-878.7	-0.08	-1.71	-5.08
53	99	1863.6	-2389.5	-536.4	-0.22	0.88	-4.08
	100	-1863.6	2389.5	536.4	0.22	0.98	-4.17
54	99	939.7	-376.2	-920.7	-0.25	1.45	-0.64
	100	-939.7	376.2	920.7	0.25	1.74	-0.65
55	99	-906.8	2954.5	-848.5	-0.12	1.29	5.03
	100	906.8	-2954.5	848.5	0.12	1.65	5.16
56	99	-1565.6	3796.2	-402.3	0.01	0.57	6.47
	100	1565.6	-3796.2	402.3	-0.01	0.81	6.63
57	99	-332.3	416.1	950.9	0.20	-1.49	0.71
	100	332.3	-416.1	-950.9	-0.20	-1.80	0.73
58	99	-1256.2	2429.3	566.6	0.18	-0.92	4.14
	100	1256.2	-2429.3	-566.6	-0.18	-1.05	4.24
1	106	2570.1	8755.7	61.0	-0.91	-0.14	5.10
	107	-2570.1	-3400.3	-61.0	0.91	0.05	3.96
2	106	4205.7	14819.5	206.3	-2.75	-0.33	9.59
	107	-4205.7	-7120.2	-206.3	2.75	0.02	6.90
3	106	28199.5	16992.1	140.0	-3.10	-0.09	16.26
	107	-28199.5	-9292.8	-140.0	3.10	-0.12	3.45
4	106	29649.9	19413.4	-576.7	-3.77	0.26	17.09

	107	-29649.9	-10589.0	306.6	3.77	0.42	5.47
5	106	30514.1	16271.5	268.5	-2.79	-0.43	14.17
	107	-30514.1	-8572.2	-268.5	2.79	0.03	4.48
6	106	29027.4	14530.8	853.4	-2.28	-0.72	13.75
	107	-29027.4	-7675.3	-650.9	2.28	-0.41	2.88
7	106	-22227.0	13427.1	131.4	-2.74	-0.19	5.19
	107	22227.0	-5727.8	-131.4	2.74	-0.00	9.24
8	106	-20776.5	15848.4	-585.2	-3.41	0.15	6.02
	107	20776.5	-7024.1	315.2	3.41	0.54	11.26
9	106	-19912.3	12706.5	259.9	-2.43	-0.53	3.10
	107	19912.3	-5007.2	-259.9	2.43	0.15	10.26
10	106	-21399.1	10965.8	844.8	-1.92	-0.83	2.68
	107	21399.1	-4110.3	-642.3	1.92	-0.29	8.66
11	106	26568.6	14220.2	20.4	-2.31	0.13	14.77
	107	-26568.6	-7692.8	-20.4	2.31	-0.16	1.61
12	106	-23857.8	10655.2	11.8	-1.94	0.03	3.70
	107	23857.8	-4127.9	-11.8	1.94	-0.04	7.40
13	106	28986.1	18255.8	-1174.1	-3.42	0.70	16.15
	107	-28986.1	-9853.3	724.1	3.42	0.74	4.97
14	106	-21440.3	14690.8	-1182.7	-3.06	0.60	5.08
	107	21440.3	-6288.3	732.6	3.06	0.86	10.76
15	106	30426.3	13019.2	234.5	-1.78	-0.43	11.29
	107	-30426.3	-6491.9	-234.5	1.78	0.08	3.31
16	106	-20000.1	9454.3	225.9	-1.42	-0.54	0.21
	107	20000.1	-2926.9	-225.9	1.42	0.20	9.10
17	106	27948.4	10118.1	1209.3	-0.93	-0.92	10.58
	107	-27948.4	-4997.1	-871.8	0.93	-0.65	0.65
18	106	-22478.0	6553.1	1200.8	-0.57	-1.03	-0.49
	107	22478.0	-1432.1	-863.2	0.57	-0.53	6.44
19	106	44190.4	15148.5	70.3	-2.31	0.04	17.71
	107	-44190.4	-8621.1	-70.3	2.31	-0.15	0.05
20	106	-39853.6	9206.9	56.0	-1.70	-0.13	-0.75
	107	39853.6	-2679.5	-56.0	1.70	0.05	9.70
21	106	45640.9	17569.8	-646.4	-2.98	0.39	18.53
	107	-45640.9	-9917.4	376.4	2.98	0.39	2.07
22	106	-38403.1	11628.2	-660.7	-2.37	0.21	0.08
	107	38403.1	-3975.8	390.7	2.37	0.59	11.71
23	106	46505.1	14427.9	198.7	-2.00	-0.30	15.62
	107	-46505.1	-7900.5	-198.7	2.00	0.00	1.08
24	106	-37539.0	8486.3	184.4	-1.39	-0.47	-2.84
	107	37539.0	-1958.9	-184.4	1.39	0.20	10.72
25	106	45018.3	12687.2	783.6	-1.49	-0.59	15.19
	107	-45018.3	-7003.7	-581.1	1.49	-0.44	-0.52
26	106	-39025.7	6745.6	769.3	-0.88	-0.77	-3.26
	107	39025.7	-1062.1	-566.8	0.88	-0.24	9.12
27	106	-11895.2	7843.4	1169.7	-1.28	-1.57	-0.98
	107	11895.2	-2216.2	-1169.7	1.28	0.24	8.59
28	106	-6509.9	6609.7	806.6	-1.44	-2.23	-4.50
	107	6509.9	-982.5	-806.6	1.44	1.14	10.28
29	106	-9657.6	11673.9	997.1	-1.46	0.38	9.82
	107	9657.6	-6046.7	-997.1	1.46	-1.28	3.47
30	106	6621.0	11667.3	-118.9	-2.04	0.29	9.70
	107	-6621.0	-6040.1	118.9	2.04	-0.19	3.58
31	106	12448.8	14675.3	-533.5	-2.32	1.80	18.16
	107	-12448.8	-9048.1	533.5	2.32	-1.11	-0.41
32	106	17834.1	13441.6	-896.6	-2.49	1.14	14.64

	107	-17834.1	-7814.4	896.6	2.49	-0.21	1.27
33	106	8293.3	7561.5	-213.1	-2.00	-1.82	-1.91
	107	-8293.3	-1934.3	213.1	2.00	1.72	9.10
34	106	15596.5	9611.1	-724.0	-2.31	-0.81	3.83
	107	-15596.5	-3983.9	724.0	2.31	1.31	6.40
35	106	2424.2	8621.2	88.1	-1.27	-0.15	5.33
	107	-2424.2	-3775.3	-88.1	1.27	0.02	3.95
36	106	1066.0	6860.0	-7.3	-0.78	0.03	4.59
	107	-1066.0	-2795.4	7.3	0.78	-0.02	2.60
37	106	2033.0	8474.2	-485.1	-1.23	0.26	5.14
	107	-2033.0	-3659.5	305.1	1.23	0.34	3.94
38	106	2609.1	6379.6	78.3	-0.57	-0.19	3.19
	107	-2609.1	-2315.0	-78.3	0.57	0.08	3.28
39	106	1617.9	5219.1	468.3	-0.23	-0.39	2.91
	107	-1617.9	-1717.1	-333.3	0.23	-0.22	2.21
40	106	18687.8	7788.2	42.6	-0.78	-0.06	7.52
	107	-18687.8	-3723.6	-42.6	0.78	-0.01	1.04
41	106	-14929.8	5411.6	36.9	-0.54	-0.13	0.14
	107	14929.8	-1347.0	-36.9	0.54	0.07	4.90
42	106	2969.4	10642.5	136.5	-1.88	-0.22	6.83
	107	-2969.4	-5015.3	-136.5	1.88	0.02	4.93
43	106	-12327.4	7737.9	1193.5	-1.26	-1.63	-1.28
	107	12327.4	-2110.7	-1193.5	1.26	0.26	8.73
44	106	-6795.0	6433.1	828.3	-1.43	-2.30	-5.00
	107	6795.0	-805.9	-828.3	1.43	1.20	10.51
45	106	-10010.4	11750.1	1007.4	-1.45	0.39	10.04
	107	10010.4	-6122.9	-1007.4	1.45	-1.35	3.36
46	106	-2492.0	13884.3	482.8	-1.78	1.44	16.02
	107	2492.0	-8257.1	-482.8	1.78	-1.78	0.55
47	106	12733.9	14851.9	-555.2	-2.34	1.87	18.65
	107	-12733.9	-9224.7	555.2	2.34	-1.17	-0.65
48	106	18266.3	13547.0	-920.4	-2.51	1.19	14.93
	107	-18266.3	-7919.8	920.4	2.51	-0.23	1.14
49	106	8430.9	7400.6	-209.7	-1.99	-1.87	-2.36
	107	-8430.9	-1773.4	209.7	1.99	1.81	9.32
50	106	15949.3	9534.8	-734.4	-2.32	-0.82	3.62
	107	-15949.3	-3907.6	734.4	2.32	1.38	6.50
51	106	-10616.7	4242.7	902.7	-0.16	-1.23	-2.74
	107	10616.7	-178.1	-902.7	0.16	0.22	6.05
52	106	-6105.1	3202.0	604.6	-0.29	-1.78	-5.71
	107	6105.1	862.6	-604.6	0.29	0.98	7.48
53	106	-8712.4	7471.1	750.8	-0.31	0.39	6.36
	107	8712.4	-3406.5	-750.8	0.31	-1.06	1.73
54	106	-2568.5	9197.7	322.5	-0.58	1.24	11.20
	107	2568.5	-5133.1	-322.5	0.58	-1.40	-0.54
55	106	9863.0	9997.8	-525.1	-1.04	1.59	13.38
	107	-9863.0	-5933.2	525.1	1.04	-0.92	-1.54
56	106	14374.7	8957.1	-823.3	-1.17	1.05	10.41
	107	-14374.7	-4892.5	823.3	1.17	-0.16	-0.11
57	106	6326.4	4002.2	-243.0	-0.75	-1.42	-3.53
	107	-6326.4	62.4	243.0	0.75	1.47	6.48
58	106	12470.4	5728.7	-671.4	-1.01	-0.57	1.30
	107	-12470.4	-1664.1	671.4	1.01	1.13	4.21
1	107	2551.0	2305.4	28.7	-0.13	-0.08	-3.97
	108	-2551.0	3350.8	-28.7	0.13	0.04	3.21

	107	4171.8	3904.3	55.5	-0.22	-0.08	-6.93
	108	-4171.8	5397.6	-55.5	0.22	-0.00	5.94
3	107	28180.9	6030.0	-413.7	-0.67	0.05	-3.49
	108	-28180.9	3271.8	413.7	0.67	0.57	5.65
4	107	29633.3	6406.4	-427.4	-0.55	-0.50	-5.52
	108	-29633.3	4645.4	7.4	0.55	0.83	6.98
5	107	30497.2	5323.8	-329.3	-0.43	-0.10	-4.51
	108	-30497.2	3978.0	329.3	0.43	0.59	5.62
6	107	29007.1	5103.0	-323.2	-0.50	0.34	-2.90
	108	-29007.1	2886.4	638.2	0.50	0.37	4.62
7	107	-22278.3	2542.4	432.5	-0.04	-0.04	-9.27
	108	22278.3	6759.4	-432.5	0.04	-0.60	6.25
8	107	-20825.9	2918.8	418.7	0.08	-0.58	-11.30
	108	20825.9	8133.0	-838.7	-0.08	-0.34	7.59
9	107	-19962.1	1836.2	516.9	0.20	-0.19	-10.29
	108	19962.1	7465.7	-516.9	-0.20	-0.58	6.23
10	107	-21452.1	1615.3	522.9	0.12	0.25	-8.68
	108	21452.1	6374.1	-207.9	-0.12	-0.80	5.23
11	107	26556.9	5485.3	-457.8	-0.71	0.10	-1.63
	108	-26556.9	1993.7	457.8	0.71	0.58	4.29
12	107	-23902.3	1997.6	388.3	-0.09	0.01	-7.42
	108	23902.3	5481.4	-388.3	0.09	-0.59	4.90
13	107	28977.6	6112.5	-480.7	-0.52	-0.80	-5.02
	108	-28977.6	4283.1	-219.2	0.52	1.02	6.52
14	107	-21481.7	2624.9	365.4	0.11	-0.89	-10.80
	108	21481.7	7770.7	-1065.4	-0.11	-0.15	7.12
15	107	30417.4	4308.2	-317.1	-0.31	-0.15	-3.33
	108	-30417.4	3170.8	317.1	0.31	0.62	4.24
16	107	-20041.9	820.6	529.0	0.31	-0.23	-9.12
	108	20041.9	6658.4	-529.0	-0.31	-0.55	4.85
17	107	27933.9	3940.1	-307.0	-0.44	0.59	-0.65
	108	-27933.9	1351.5	832.0	0.44	0.24	2.58
18	107	-22525.4	452.5	539.1	0.18	0.50	-6.43
	108	22525.4	4839.1	-14.1	-0.18	-0.93	3.19
19	107	44190.3	6393.2	-709.1	-0.83	0.07	-0.07
	108	-44190.3	1085.9	709.1	0.83	0.98	4.08
20	107	-39908.4	580.4	701.1	0.21	-0.07	-9.71
	108	39908.4	6898.6	-701.1	-0.21	-0.97	5.09
21	107	45642.7	6769.5	-722.9	-0.71	-0.47	-2.10
	108	-45642.7	2459.4	302.9	0.71	1.24	5.41
22	107	-38456.0	956.8	687.3	0.33	-0.61	-11.75
	108	38456.0	8272.1	-1107.3	-0.33	-0.71	6.43
23	107	46506.6	5686.9	-624.7	-0.59	-0.07	-1.09
	108	-46506.6	1792.1	624.7	0.59	1.00	4.05
24	107	-37592.2	-125.8	785.5	0.45	-0.22	-10.73
	108	37592.2	7604.8	-785.5	-0.45	-0.95	5.07
25	107	45016.5	5466.1	-618.7	-0.67	0.37	0.52
	108	-45016.5	700.5	933.6	0.67	0.78	3.05
26	107	-39082.3	-346.6	791.6	0.37	0.22	-9.13
	108	39082.3	6513.2	-476.6	-0.37	-1.17	4.07
27	107	-10827.5	-92.2	505.0	0.31	-0.34	-8.59
	108	10827.5	6788.1	-505.0	-0.31	-0.65	3.43
28	107	-5439.5	-1272.7	1240.8	0.16	-1.34	-10.26
	108	5439.5	7968.6	-1240.8	-0.16	-0.47	3.59
29	107	-9358.1	3729.5	-939.7	0.22	1.38	-3.51
	108	9358.1	2966.4	939.7	-0.22	-0.48	3.74

	107	6269.3	3857.4	-215.8	-0.28	0.18	-3.61
	108	-6269.3	2838.5	215.8	0.28	0.17	4.45
31	107	11330.7	6892.2	-1170.0	-0.48	1.23	0.35
	108	-11330.7	-196.3	1170.0	0.48	0.47	4.87
32	107	16718.7	5711.7	-434.2	-0.64	0.23	-1.31
	108	-16718.7	984.2	434.2	0.64	0.66	5.03
33	107	8601.9	-205.4	1513.0	-0.31	-1.96	-9.07
	108	-8601.9	6901.3	-1513.0	0.31	0.15	4.28
34	107	15249.3	1890.0	1010.5	-0.55	-1.49	-6.39
	108	-15249.3	4805.9	-1010.5	0.55	0.48	4.71
35	107	2405.4	2276.8	26.5	-0.13	-0.06	-3.96
	108	-2405.4	3203.9	-26.5	0.13	0.02	3.32
36	107	1051.5	1998.5	-13.2	-0.20	0.00	-2.60
	108	-1051.5	2266.9	13.2	0.20	0.02	2.42
37	107	2019.7	2249.4	-22.4	-0.12	-0.36	-3.96
	108	-2019.7	3182.7	-257.6	0.12	0.19	3.31
38	107	2595.7	1527.7	43.1	-0.04	-0.10	-3.28
	108	-2595.7	2737.7	-43.1	0.04	0.03	2.40
39	107	1602.3	1380.4	47.1	-0.09	0.20	-2.21
	108	-1602.3	2010.0	162.9	0.09	-0.12	1.74
40	107	18684.9	2906.4	-264.5	-0.31	-0.03	-1.05
	108	-18684.9	1359.0	264.5	0.31	0.42	2.21
41	107	-14954.6	581.3	299.6	0.10	-0.08	-4.90
	108	14954.6	3684.1	-299.6	-0.10	-0.36	2.61
42	107	2945.6	2809.8	35.4	-0.16	-0.06	-4.95
	108	-2945.6	3886.1	-35.4	0.16	0.00	4.23
43	107	-11225.6	-200.6	523.3	0.33	-0.35	-8.73
	108	11225.6	6896.5	-523.3	-0.33	-0.66	3.40
44	107	-5678.2	-1448.3	1292.3	0.17	-1.40	-10.49
	108	5678.2	8144.2	-1292.3	-0.17	-0.48	3.56
45	107	-9719.3	3798.9	-984.5	0.22	1.45	-3.41
	108	9719.3	2897.0	984.5	-0.22	-0.46	3.73
46	107	-2880.8	5979.5	-1507.9	-0.03	1.94	-0.62
	108	2880.8	716.4	1507.9	0.03	-0.12	4.18
47	107	11569.4	7067.8	-1221.4	-0.50	1.29	0.59
	108	-11569.4	-371.9	1221.4	0.50	0.49	4.89
48	107	17116.8	5820.2	-452.5	-0.65	0.24	-1.17
	108	-17116.8	875.7	452.5	0.65	0.67	5.06
49	107	8772.0	-359.9	1578.7	-0.30	-2.05	-9.29
	108	-8772.0	7055.8	-1578.7	0.30	0.13	4.28
50	107	15610.5	1820.6	1055.3	-0.55	-1.56	-6.49
	108	-15610.5	4875.3	-1055.3	0.55	0.47	4.73
51	107	-9713.3	-700.1	408.9	0.29	-0.29	-6.04
	108	9713.3	4965.5	-408.9	-0.29	-0.51	1.74
52	107	-5195.4	-1695.4	1024.5	0.16	-1.13	-7.45
	108	5195.4	5960.9	-1024.5	-0.16	-0.37	1.87
53	107	-8460.6	2520.3	-798.6	0.21	1.15	-1.76
	108	8460.6	1745.1	798.6	-0.21	-0.35	2.01
54	107	-2868.9	4285.3	-1218.1	0.01	1.54	0.50
	108	2868.9	-19.9	1218.1	-0.01	-0.07	2.37
55	107	8925.6	5183.1	-989.4	-0.38	1.02	1.50
	108	-8925.6	-917.7	989.4	0.38	0.42	2.95
56	107	13443.5	4187.8	-373.9	-0.50	0.18	0.09
	108	-13443.5	77.7	373.9	0.50	0.57	3.09
57	107	6599.1	-797.6	1253.2	-0.22	-1.65	-6.45
	108	-6599.1	5063.0	-1253.2	0.22	0.13	2.45

	107	12190.8	967.4	833.7	-0.42	-1.26	-4.19
	108	-12190.8	3298.1	-833.7	0.42	0.41	2.82
1	108	2552.0	-4457.7	-39.8	0.64	-0.03	-3.20
	109	-2552.0	10152.5	39.8	-0.64	0.09	-7.63
2	108	4175.7	-8618.3	-140.8	2.29	0.02	-5.90
	109	-4175.7	18142.0	140.8	-2.29	0.19	-13.94
3	108	28149.6	-6281.6	-10.0	1.68	-0.62	-5.59
	109	-28149.6	15805.3	10.0	-1.68	0.63	-10.79
4	108	29589.8	-8580.9	847.9	2.61	-0.90	-6.90
	109	-29589.8	19942.5	-1289.0	-2.61	-0.69	-14.25
5	108	30465.1	-6968.2	89.2	1.88	-0.64	-5.56
	109	-30465.1	16491.9	-89.2	-1.88	0.51	-11.84
6	108	28985.7	-5186.6	-567.5	1.20	-0.40	-4.58
	109	-28985.7	13331.9	898.3	-1.20	1.49	-9.15
7	108	-22238.4	-10212.8	-380.6	2.67	0.68	-6.24
	109	22238.4	19736.6	380.6	-2.67	-0.12	-15.97
8	108	-20798.2	-12512.2	477.3	3.60	0.41	-7.55
	109	20798.2	23873.8	-918.4	-3.60	-1.44	-19.43
9	108	-19922.8	-10899.5	-281.4	2.86	0.66	-6.21
	109	19922.8	20423.2	281.4	-2.86	-0.24	-17.02
10	108	-21402.2	-9117.9	-938.0	2.19	0.90	-5.23
	109	21402.2	17263.2	1268.8	-2.19	0.74	-14.34
11	108	26524.4	-3953.9	4.1	0.79	-0.63	-4.25
	109	-26524.4	11563.1	-4.1	-0.79	0.63	-7.26
12	108	-23863.6	-7885.2	-366.4	1.77	0.67	-4.89
	109	23863.6	15494.4	366.4	-1.77	-0.13	-12.44
13	108	28924.7	-7786.2	1433.9	2.33	-1.10	-6.44
	109	-28924.7	18458.5	-2169.1	-2.33	-1.57	-13.02
14	108	-21463.2	-11717.4	1063.4	3.32	0.21	-7.09
	109	21463.2	22389.8	-1798.5	-3.32	-2.33	-18.20
15	108	30383.6	-5098.3	169.4	1.11	-0.68	-4.20
	109	-30383.6	12707.6	-169.4	-1.11	0.42	-9.00
16	108	-20004.4	-9029.6	-201.1	2.10	0.63	-4.85
	109	20004.4	16638.9	201.1	-2.10	-0.33	-14.19
17	108	27917.9	-2128.9	-925.0	-0.01	-0.28	-2.56
	109	-27917.9	7440.8	1476.4	0.01	2.06	-4.53
18	108	-22470.0	-6060.2	-1295.6	0.97	1.03	-3.21
	109	22470.0	11372.1	1846.9	-0.97	1.30	-9.71
19	108	44133.7	-2890.8	164.0	0.53	-1.08	-4.02
	109	-44133.7	10500.1	-164.0	-0.53	0.83	-5.91
20	108	-39846.2	-9443.0	-453.6	2.18	1.09	-5.10
	109	39846.2	17052.2	453.6	-2.18	-0.42	-14.54
21	108	45573.9	-5190.2	1021.9	1.46	-1.36	-5.34
	109	-45573.9	14637.3	-1463.0	-1.46	-0.49	-9.36
22	108	-38406.0	-11742.3	404.3	3.10	0.82	-6.42
	109	38406.0	21189.5	-845.4	-3.10	-1.74	-18.00
23	108	46449.3	-3577.5	263.2	0.73	-1.10	-3.99
	109	-46449.3	11186.8	-263.2	-0.73	0.71	-6.95
24	108	-37530.7	-10129.7	-354.4	2.37	1.07	-5.07
	109	37530.7	17738.9	354.4	-2.37	-0.54	-15.59
25	108	44969.9	-1795.9	-393.5	0.05	-0.86	-3.01
	109	-44969.9	8026.7	724.3	-0.05	1.69	-4.27
26	108	-39010.1	-8348.0	-1011.1	1.70	1.31	-4.09
	109	39010.1	14578.9	1341.9	-1.70	0.44	-12.91
27	108	-9696.9	-9018.0	185.3	1.98	0.57	-3.38

	109	9696.9	15861.4	-185.3	-1.98	-0.60	-14.92
28	108	-4311.0	-10187.3	1571.2	1.74	0.40	-3.55
	109	4311.0	17030.8	-1571.2	-1.74	-2.59	-16.77
29	108	-9013.5	-5198.9	-2115.7	2.03	0.43	-3.71
	109	9013.5	12042.3	2115.7	-2.03	2.95	-8.60
30	108	5934.6	-5043.7	-392.3	1.45	-0.14	-4.43
	109	-5934.6	11887.1	392.3	-1.45	0.66	-8.13
31	108	10208.6	-2004.1	-1769.4	1.34	-0.39	-4.86
	109	-10208.6	8847.6	1769.4	-1.34	2.87	-3.05
32	108	15594.5	-3173.5	-383.6	1.11	-0.56	-5.03
	109	-15594.5	10017.0	383.6	-1.11	0.87	-4.90
33	108	8939.4	-9096.8	2503.9	1.25	-0.13	-4.26
	109	-8939.4	15940.2	-2503.9	-1.25	-3.71	-14.78
34	108	14911.1	-6992.6	1917.5	1.06	-0.42	-4.70
	109	-14911.1	13836.1	-1917.5	-1.06	-2.67	-11.22
35	108	2407.6	-4708.9	-65.5	0.99	-0.01	-3.30
	109	-2407.6	10276.0	65.5	-0.99	0.11	-7.81
36	108	1053.0	-3074.6	-68.2	0.37	-0.02	-2.41
	109	-1053.0	7365.5	68.2	-0.37	0.12	-5.33
37	108	2013.1	-4607.5	503.7	0.99	-0.20	-3.29
	109	-2013.1	10123.6	-797.8	-0.99	-0.76	-7.63
38	108	2596.6	-3532.4	-2.0	0.50	-0.03	-2.39
	109	-2596.6	7823.3	2.0	-0.50	0.03	-6.03
39	108	1610.4	-2344.6	-439.8	0.05	0.13	-1.74
	109	-1610.4	5716.6	660.4	-0.05	0.69	-4.24
40	108	18662.3	-2011.6	91.7	0.12	-0.46	-2.19
	109	-18662.3	6302.4	-91.7	-0.12	0.32	-3.98
41	108	-14929.7	-4632.4	-155.3	0.78	0.41	-2.62
	109	14929.7	8923.3	155.3	-0.78	-0.18	-7.43
42	108	2948.8	-6095.7	-99.1	1.54	0.01	-4.20
	109	-2948.8	12939.2	99.1	-1.54	0.14	-9.91
43	108	-10060.4	-9127.2	204.6	1.99	0.58	-3.35
	109	10060.4	15970.7	-204.6	-1.99	-0.63	-15.10
44	108	-4503.0	-10362.3	1657.8	1.75	0.42	-3.52
	109	4503.0	17205.8	-1657.8	-1.75	-2.73	-17.06
45	108	-9382.7	-5131.9	-2212.1	2.03	0.42	-3.69
	109	9382.7	11975.4	2212.1	-2.03	3.08	-8.50
46	108	-3244.4	-2942.5	-2830.3	1.84	0.13	-4.15
	109	3244.4	9786.0	2830.3	-1.84	4.18	-4.80
47	108	10400.6	-1829.1	-1856.1	1.34	-0.40	-4.89
	109	-10400.6	8672.6	1856.1	-1.34	3.01	-2.76
48	108	15958.0	-3064.2	-402.8	1.10	-0.56	-5.05
	109	-15958.0	9907.7	402.8	-1.10	0.91	-4.72
49	108	9142.0	-9249.0	2632.0	1.25	-0.11	-4.26
	109	-9142.0	16092.4	-2632.0	-1.25	-3.90	-15.02
50	108	15280.3	-7059.5	2013.9	1.05	-0.40	-4.72
	109	-15280.3	13903.0	-2013.9	-1.05	-2.81	-11.32
51	108	-8764.3	-5783.2	206.4	0.81	0.44	-1.71
	109	8764.3	10074.0	-206.4	-0.81	-0.54	-9.92
52	108	-4244.6	-6768.7	1372.9	0.62	0.31	-1.85
	109	4244.6	11059.6	-1372.9	-0.62	-2.22	-11.48
53	108	-8177.8	-2565.6	-1729.4	0.84	0.31	-1.99
	109	8177.8	6856.5	1729.4	-0.84	2.43	-4.60
54	108	-3155.3	-793.3	-2222.3	0.69	0.07	-2.36
	109	3155.3	5084.1	2222.3	-0.69	3.31	-1.60
55	108	7977.3	124.7	-1436.5	0.28	-0.36	-2.96

	109	-7977.3	4166.2	1436.5	-0.28	2.36	0.08
56	108	12497.0	-860.8	-270.1	0.09	-0.49	-3.10
	109	-12497.0	5151.7	270.1	-0.09	0.69	-1.49
57	108	6888.0	-5850.7	2158.6	0.21	-0.12	-2.45
	109	-6888.0	10141.6	-2158.6	-0.21	-3.16	-9.81
58	108	11910.5	-4078.4	1665.7	0.05	-0.36	-2.82
	109	-11910.5	8369.2	-1665.7	-0.05	-2.29	-6.81
1	109	1730.0	9096.2	67.9	0.27	-0.23	6.98
	110	-1730.0	-3720.1	-67.9	-0.27	0.13	1.99
2	109	2876.8	17103.8	98.1	0.78	-0.27	12.93
	110	-2876.8	-8113.1	-98.1	-0.78	0.13	4.72
3	109	27145.3	18325.1	5677.1	1.41	-6.18	14.20
	110	-27145.3	-9334.5	-5677.1	-1.41	-1.77	5.16
4	109	28419.4	22008.5	3865.8	1.71	-4.04	16.73
	110	-28419.4	-11282.8	-4282.2	-1.71	-1.66	6.57
5	109	29024.0	17981.2	5632.5	1.46	-6.46	13.56
	110	-29024.0	-8990.6	-5632.5	-1.46	-1.43	5.32
6	109	27786.8	15233.0	6866.0	1.21	-7.82	11.69
	110	-27786.8	-7543.6	-6553.7	-1.21	-1.58	4.25
7	109	-23388.1	16254.3	-5425.0	0.10	5.95	12.35
	110	23388.1	-7263.6	5425.0	-0.10	1.64	4.11
8	109	-22114.0	19937.7	-7236.3	0.39	8.09	14.88
	110	22114.0	-9212.0	6819.9	-0.39	1.75	5.52
9	109	-21509.4	15910.4	-5469.6	0.14	5.67	11.71
	110	21509.4	-6919.7	5469.6	-0.14	1.98	4.27
10	109	-22746.6	13162.1	-4236.1	-0.11	4.31	9.84
	110	22746.6	-5472.7	4548.4	0.11	1.84	3.20
11	109	25906.4	14445.3	5680.6	1.14	-6.05	11.46
	110	-25906.4	-7261.9	-5680.6	-1.14	-1.90	3.74
12	109	-24627.0	12374.4	-5421.5	-0.18	6.08	9.61
	110	24627.0	-5191.0	5421.5	0.18	1.52	2.69
13	109	28030.0	20584.3	2661.7	1.63	-2.50	15.68
	110	-28030.0	-10509.2	-3355.7	-1.63	-1.72	6.09
14	109	-22503.4	18513.4	-8440.4	0.31	9.63	13.83
	110	22503.4	-8438.4	7746.4	-0.31	1.70	5.04
15	109	29037.7	13872.1	5606.3	1.22	-6.52	10.39
	110	-29037.7	-6688.7	-5606.3	-1.22	-1.33	4.00
16	109	-21495.7	11801.3	-5495.8	-0.10	5.61	8.54
	110	21495.7	-4617.9	5495.8	0.10	2.09	2.95
17	109	26975.6	9291.7	7662.1	0.80	-8.79	7.28
	110	-26975.6	-4277.1	-7141.5	-0.80	-1.57	2.22
18	109	-23557.8	7220.8	-3440.0	-0.52	3.34	5.43
	110	23557.8	-2206.2	3960.5	0.52	1.84	1.17
19	109	43416.3	15011.6	9362.6	1.60	-10.20	11.84
	110	-43416.3	-7828.2	-9362.6	-1.60	-2.91	4.14
20	109	-40806.0	11560.2	-9140.8	-0.60	10.01	8.76
	110	40806.0	-4376.8	9140.8	0.60	2.78	2.40
21	109	44690.5	18695.0	7551.3	1.89	-8.07	14.38
	110	-44690.5	-9776.6	-7967.7	-1.89	-2.80	5.56
22	109	-39531.8	15243.6	-10952.1	-0.31	12.15	11.29
	110	39531.8	-6325.2	10535.7	0.31	2.89	3.81
23	109	45295.1	14667.7	9318.1	1.64	-10.48	11.20
	110	-45295.1	-7484.3	-9318.1	-1.64	-2.56	4.30
24	109	-38927.2	11216.3	-9185.4	-0.55	9.73	8.12
	110	38927.2	-4032.9	9185.4	0.55	3.13	2.56

	109	44057.8	11919.4	10551.5	1.39	-11.84	9.34
	110	-44057.8	-6037.3	-10239.2	-1.39	-2.71	3.23
26	109	-40164.5	8468.0	-7951.9	-0.80	8.37	6.25
	110	40164.5	-2585.9	8264.2	0.80	2.98	1.48
27	109	-9651.8	10406.0	1347.2	0.07	-1.95	5.88
	110	9651.8	-3945.5	-1347.2	-0.07	-0.50	4.17
28	109	-5581.4	9946.1	515.5	0.48	-0.60	4.99
	110	5581.4	-3485.6	-515.5	-0.48	-0.07	4.41
29	109	-7659.7	12313.8	1699.7	-0.24	-2.74	9.52
	110	7659.7	-5853.4	-1699.7	0.24	-0.73	3.20
30	109	4902.3	12722.6	-216.0	0.60	0.18	10.29
	110	-4902.3	-6262.1	216.0	-0.60	0.20	3.00
31	109	9608.0	14323.8	-417.9	0.57	0.30	13.35
	110	-9608.0	-7863.3	417.9	-0.57	0.25	2.18
32	109	13678.4	13863.8	-1249.6	0.99	1.64	12.46
	110	-13678.4	-7403.4	1249.6	-0.99	0.67	2.42
33	109	5908.4	10780.7	-1072.6	1.14	1.76	6.58
	110	-5908.4	-4320.2	1072.6	-1.14	0.68	3.99
34	109	11686.3	11956.0	-1602.1	1.29	2.43	8.82
	110	-11686.3	-5495.6	1602.1	-1.29	0.90	3.40
35	109	1631.1	9465.7	38.7	0.36	-0.14	7.19
	110	-1631.1	-4210.1	-38.7	-0.36	0.09	2.38
36	109	583.3	6920.4	47.2	0.17	-0.03	5.44
	110	-583.3	-2869.7	-47.2	-0.17	-0.04	1.42
37	109	1432.8	9376.1	-1160.3	0.37	1.40	7.12
	110	-1432.8	-4168.7	882.7	-0.37	0.03	2.36
38	109	1835.8	6691.2	17.5	0.20	-0.21	5.01
	110	-1835.8	-2640.5	-17.5	-0.20	0.19	1.52
39	109	1011.0	4859.0	839.8	0.03	-1.12	3.77
	110	-1011.0	-1675.8	-631.6	-0.03	0.09	0.81
40	109	18093.3	7486.8	3729.3	0.63	-4.17	5.82
	110	-18093.3	-3436.1	-3729.3	-0.63	-1.05	1.82
41	109	-15595.6	6106.2	-3672.1	-0.25	3.91	4.59
	110	15595.6	-2055.5	3672.1	0.25	1.23	1.12
42	109	2013.3	12134.9	48.8	0.53	-0.15	9.17
	110	-2013.3	-5674.5	-48.8	-0.53	0.09	3.30
43	109	-9991.8	10344.1	1338.9	0.57	-1.96	5.76
	110	9991.8	-3883.7	-1338.9	-0.57	-0.49	4.20
44	109	-5815.7	9864.6	573.7	1.01	-0.68	4.84
	110	5815.7	-3404.2	-573.7	-1.01	-0.06	4.45
45	109	-7922.0	12324.9	1596.3	-0.12	-2.64	9.54
	110	7922.0	-5864.5	-1596.3	0.12	-0.74	3.19
46	109	-1971.8	13543.3	1051.9	-0.27	-1.94	11.86
	110	1971.8	-7082.8	-1051.9	0.27	-0.52	2.57
47	109	9842.4	14405.2	-476.1	0.05	0.37	13.50
	110	-9842.4	-7944.8	476.1	-0.05	0.23	2.14
48	109	14018.5	13925.7	-1241.3	0.48	1.65	12.58
	110	-14018.5	-7465.2	1241.3	-0.48	0.66	2.39
49	109	5998.4	10726.6	-954.3	1.33	1.63	6.48
	110	-5998.4	-4266.1	954.3	-1.33	0.69	4.02
50	109	11948.7	11944.9	-1498.7	1.17	2.33	8.80
	110	-11948.7	-5484.4	1498.7	-1.17	0.91	3.40
51	109	-8556.8	5341.0	1072.4	-0.20	-1.58	2.43
	110	8556.8	-1290.3	-1072.4	0.20	-0.38	2.21
52	109	-5148.8	4955.0	451.9	0.15	-0.55	1.69
	110	5148.8	-904.3	-451.9	-0.15	-0.03	2.41

	109	-6861.6	6945.4	1283.0	-0.46	-2.14	5.50
	110	6861.6	-2894.7	-1283.0	0.46	-0.58	1.39
54	109	-2000.7	7934.5	842.9	-0.33	-1.57	7.38
	110	2000.7	-3883.8	-842.9	0.33	-0.40	0.89
55	109	7646.5	8638.0	-394.6	0.23	0.29	8.72
	110	-7646.5	-4587.3	394.6	-0.23	0.21	0.54
56	109	11054.4	8251.9	-1015.2	0.57	1.33	7.98
	110	-11054.4	-4201.2	1015.2	-0.57	0.56	0.74
57	109	4498.3	5658.5	-785.6	0.71	1.31	3.03
	110	-4498.3	-1607.8	785.6	-0.71	0.58	2.06
58	109	9359.3	6647.6	-1225.8	0.83	1.88	4.92
	110	-9359.3	-2596.9	1225.8	-0.83	0.76	1.56
1	110	1704.5	1484.3	329.0	0.12	-0.18	-1.99
	111	-1704.5	3891.8	-329.0	-0.12	-0.28	0.31
2	110	2839.6	1697.7	446.3	0.19	-0.19	-4.75
	111	-2839.6	7293.0	-446.3	-0.19	-0.43	0.83
3	110	27106.8	1884.6	1610.8	0.44	1.33	-5.09
	111	-27106.8	7106.1	-1610.8	-0.44	-3.58	1.44
4	110	28401.9	1794.8	908.7	0.30	1.35	-6.55
	111	-28401.9	8930.9	-1325.1	-0.30	-2.91	1.56
5	110	28979.8	1595.4	1941.2	0.44	0.94	-5.24
	111	-28979.8	7395.3	-1941.2	-0.44	-3.66	1.18
6	110	27731.3	1677.1	2329.2	0.52	1.02	-4.15
	111	-27731.3	6012.3	-2016.9	-0.52	-4.06	1.11
7	110	-23417.9	1819.8	-1090.0	-0.05	-1.28	-4.24
	111	23417.9	7170.9	1090.0	0.05	2.80	0.49
8	110	-22122.7	1730.1	-1792.1	-0.18	-1.26	-5.70
	111	22122.7	8995.6	1375.7	0.18	3.48	0.61
9	110	-21544.8	1530.6	-759.6	-0.05	-1.66	-4.39
	111	21544.8	7460.0	759.6	0.05	2.73	0.24
10	110	-22793.4	1612.3	-371.6	0.03	-1.59	-3.29
	111	22793.4	6077.1	683.9	-0.03	2.33	0.17
11	110	25875.8	1880.9	1428.1	0.40	1.48	-3.66
	111	-25875.8	5302.5	-1428.1	-0.40	-3.48	1.27
12	110	-24648.8	1816.2	-1272.7	-0.08	-1.13	-2.81
	111	24648.8	5367.2	1272.7	0.08	2.91	0.32
13	110	28034.4	1731.3	258.1	0.18	1.51	-6.09
	111	-28034.4	8343.7	-952.1	-0.18	-2.36	1.46
14	110	-22490.2	1666.6	-2442.8	-0.31	-1.09	-5.24
	111	22490.2	8408.5	1748.7	0.31	4.03	0.52
15	110	28997.6	1398.9	1978.9	0.40	0.84	-3.91
	111	-28997.6	5784.4	-1978.9	-0.40	-3.61	0.84
16	110	-21527.0	1334.2	-722.0	-0.09	-1.77	-3.06
	111	21527.0	5849.2	722.0	0.09	2.78	-0.10
17	110	26916.7	1535.1	2625.5	0.54	0.96	-2.08
	111	-26916.7	3479.5	-2105.0	-0.54	-4.27	0.72
18	110	-23608.0	1470.3	-75.3	0.05	-1.64	-1.23
	111	23608.0	3544.3	595.8	-0.05	2.11	-0.23
19	110	43380.8	1799.5	2452.4	0.56	2.20	-4.00
	111	-43380.8	5383.9	-2452.4	-0.56	-5.64	1.49
20	110	-40827.0	1691.5	-2049.0	-0.25	-2.14	-2.58
	111	40827.0	5491.8	2049.0	0.25	5.01	-0.08
21	110	44675.9	1709.7	1750.3	0.43	2.22	-5.46
	111	-44675.9	7208.7	-2166.7	-0.43	-4.97	1.61
22	110	-39531.8	1601.8	-2751.0	-0.38	-2.12	-4.03

	111	39531.8	7316.6	2334.6	0.38	5.68	0.03
23	110	45253.9	1510.3	2782.8	0.56	1.82	-4.15
	111	-45253.9	5673.1	-2782.8	-0.56	-5.71	1.24
24	110	-38953.9	1402.4	-1718.6	-0.25	-2.53	-2.73
	111	38953.9	5781.0	1718.6	0.25	4.93	-0.34
25	110	44005.3	1592.0	3170.8	0.64	1.89	-3.05
	111	-44005.3	4290.1	-2858.5	-0.64	-6.11	1.16
26	110	-40202.4	1484.0	-1330.6	-0.16	-2.45	-1.63
	111	40202.4	4398.1	1642.9	0.16	4.53	-0.41
27	110	-8488.8	-604.4	346.7	0.13	-0.25	-4.39
	111	8488.8	7064.9	-346.7	-0.13	-0.77	-1.19
28	110	-4431.0	-1148.1	1027.8	0.35	-0.81	-4.17
	111	4431.0	7608.5	-1027.8	-0.35	-0.30	-1.75
29	110	-7309.9	1533.2	-717.3	-0.20	0.68	-3.98
	111	7309.9	4927.3	717.3	0.20	-1.15	0.88
30	110	4521.3	1915.7	187.1	0.10	-0.01	-3.02
	111	-4521.3	4544.8	-187.1	-0.10	-0.22	1.18
31	110	8405.4	3690.8	-422.7	-0.09	0.55	-2.46
	111	-8405.4	2769.6	422.7	0.09	-0.30	2.89
32	110	12463.2	3147.2	258.4	0.13	-0.01	-2.24
	111	-12463.2	3313.3	-258.4	-0.13	0.17	2.34
33	110	6216.1	-279.0	1553.1	0.52	-1.18	-3.23
	111	-6216.1	6739.4	-1553.1	-0.52	0.42	-0.97
34	110	11284.4	1009.6	1322.3	0.46	-0.94	-2.65
	111	-11284.4	5450.9	-1322.3	-0.46	0.56	0.26
35	110	1608.9	1200.3	263.4	0.11	-0.12	-2.39
	111	-1608.9	4055.3	-263.4	-0.11	-0.24	0.40
36	110	567.1	1232.1	100.3	0.08	0.03	-1.42
	111	-567.1	2818.6	-100.3	-0.08	-0.17	0.31
37	110	1430.5	1172.3	-367.7	-0.01	0.04	-2.39
	111	-1430.5	4035.1	90.1	0.01	0.28	0.39
38	110	1815.8	1039.4	320.6	0.08	-0.23	-1.52
	111	-1815.8	3011.4	-320.6	-0.08	-0.22	0.14
39	110	983.4	1093.8	579.2	0.14	-0.18	-0.79
	111	-983.4	2089.4	-371.0	-0.14	-0.48	0.09
40	110	18072.1	1150.7	1124.6	0.24	0.75	-1.76
	111	-18072.1	2900.0	-1124.6	-0.24	-2.32	0.54
41	110	-15611.0	1107.5	-676.0	-0.08	-0.99	-1.19
	111	15611.0	2943.2	676.0	0.08	1.94	-0.09
42	110	1987.2	1271.4	302.5	0.13	-0.13	-3.31
	111	-1987.2	5189.1	-302.5	-0.13	-0.30	0.57
43	110	-8791.6	-672.6	354.5	0.14	-0.24	-4.43
	111	8791.6	7133.1	-354.5	-0.14	-0.32	-1.26
44	110	-4615.7	-1243.0	1033.1	0.35	-0.81	-4.20
	111	4615.7	7703.5	-1033.1	-0.35	-0.76	-1.84
45	110	-7579.8	1553.3	-711.0	-0.19	0.70	-4.00
	111	7579.8	4907.2	711.0	0.19	0.37	0.91
46	110	-2365.3	2890.8	-945.8	-0.26	0.94	-3.40
	111	2365.3	3569.6	945.8	0.26	0.51	2.18
47	110	8590.1	3785.8	-428.0	-0.09	0.56	-2.43
	111	-8590.1	2674.7	428.0	0.09	0.17	2.98
48	110	12766.0	3215.4	250.5	0.12	-0.02	-2.20
	111	-12766.0	3245.1	-250.5	-0.12	-0.27	2.40
49	110	6339.7	-348.1	1550.8	0.53	-1.20	-3.23
	111	-6339.7	6808.5	-1550.8	-0.53	-1.10	-1.04
50	110	11554.2	989.5	1316.1	0.46	-0.96	-2.63

	111	-11554.2	5471.0	-1316.1	-0.46	-0.96	0.24
51	110	-7575.9	-450.6	265.1	0.09	-0.21	-2.38
	111	7575.9	4501.3	-265.1	-0.09	-0.21	-1.26
52	110	-4174.2	-908.0	812.3	0.26	-0.67	-2.20
	111	4174.2	4958.7	-812.3	-0.26	-0.57	-1.73
53	110	-6570.6	1348.8	-593.4	-0.18	0.55	-2.03
	111	6570.6	2701.9	593.4	0.18	0.34	0.48
54	110	-2307.2	2433.9	-782.1	-0.24	0.74	-1.54
	111	2307.2	1616.8	782.1	0.24	0.46	1.51
55	110	6635.3	3166.2	-363.8	-0.10	0.43	-0.76
	111	-6635.3	884.5	363.8	0.10	0.18	2.17
56	110	10036.9	2708.9	183.4	0.08	-0.03	-0.57
	111	-10036.9	1341.8	-183.4	-0.08	-0.18	1.71
57	110	4768.3	-175.6	1230.6	0.40	-0.98	-1.41
	111	-4768.3	4226.3	-1230.6	-0.40	-0.85	-1.07
58	110	9031.6	909.4	1041.9	0.35	-0.79	-0.92
	111	-9031.6	3141.3	-1041.9	-0.35	-0.73	-0.04
1	111	1689.3	-6208.3	310.9	-0.00	0.26	-0.29
	112	-1689.3	11584.4	-310.9	0.00	-0.70	-12.16
2	111	2821.5	-13810.4	422.0	-0.32	0.44	-0.80
	112	-2821.5	22801.1	-422.0	0.32	-1.03	-24.83
3	111	26983.9	-14775.9	-3328.6	-0.35	3.48	-1.39
	112	-26983.9	23766.6	3328.6	0.35	1.18	-25.59
4	111	28293.2	-18658.4	-3005.8	-0.95	2.91	-1.51
	112	-28293.2	29384.1	2589.4	0.95	1.00	-32.12
5	111	28849.4	-15055.5	-2888.7	-0.39	3.50	-1.11
	112	-28849.4	24046.2	2888.7	0.39	0.55	-26.26
6	111	27595.3	-12116.7	-3223.9	0.04	3.85	-1.04
	112	-27595.3	19806.1	3536.2	-0.04	0.89	-21.31
7	111	-23322.9	-12545.6	3680.2	-0.24	-2.62	-0.50
	112	23322.9	21536.3	-3680.2	0.24	-2.53	-23.35
8	111	-22013.6	-16428.1	4003.1	-0.84	-3.19	-0.63
	112	22013.6	27153.8	-4419.5	0.84	-2.70	-29.88
9	111	-21457.3	-12825.3	4120.2	-0.28	-2.61	-0.23
	112	21457.3	21815.9	-4120.2	0.28	-3.16	-24.02
10	111	-22711.4	-9886.4	3785.0	0.15	-2.26	-0.16
	112	22711.4	17575.9	-3472.7	-0.15	-2.82	-19.07
11	111	25757.1	-10875.1	-3548.3	-0.18	3.39	-1.23
	112	-25757.1	18058.5	3548.3	0.18	1.58	-19.03
12	111	-24549.6	-8644.8	3460.5	-0.07	-2.72	-0.35
	112	24549.6	15828.2	-3460.5	0.07	-2.13	-16.78
13	111	27939.3	-17346.0	-3010.2	-1.17	2.44	-1.44
	112	-27939.3	27421.0	2316.2	1.17	1.29	-29.90
14	111	-22367.5	-15115.7	3998.7	-1.06	-3.67	-0.56
	112	22367.5	25190.8	-4692.7	1.06	-2.42	-27.65
15	111	28866.4	-11341.1	-2815.1	-0.24	3.42	-0.77
	112	-28866.4	18524.5	2815.1	0.24	0.52	-20.13
16	111	-21440.4	-9110.9	4193.8	-0.13	-2.69	0.11
	112	21440.4	16294.3	-4193.8	0.13	-3.18	-17.89
17	111	26776.2	-6443.1	-3373.7	0.48	3.99	-0.65
	112	-26776.2	11457.7	3894.2	-0.48	1.09	-11.88
18	111	-23530.5	-4212.9	3635.1	0.59	-2.11	0.23
	112	23530.5	9227.5	-3114.6	-0.59	-2.61	-9.64
19	111	43186.7	-11718.3	-5720.5	-0.23	5.43	-1.43
	112	-43186.7	18901.6	5720.5	0.23	2.58	-20.01

	111	-40657.9	-8001.2	5960.9	-0.05	-4.75	0.04
	112	40657.9	15184.5	-5960.9	0.05	-3.60	-16.27
21	111	44496.0	-15600.8	-5397.6	-0.82	4.86	-1.55
	112	-44496.0	24519.2	4981.2	0.82	2.40	-26.53
22	111	-39348.6	-11883.7	6283.8	-0.64	-5.32	-0.09
	112	39348.6	20802.1	-6700.2	0.64	-3.77	-22.79
23	111	45052.3	-11997.9	-5280.5	-0.27	5.45	-1.15
	112	-45052.3	19181.3	5280.5	0.27	1.95	-20.67
24	111	-38792.3	-8280.8	6400.9	-0.09	-4.73	0.31
	112	38792.3	15464.2	-6400.9	0.09	-4.23	-16.94
25	111	43798.2	-9059.1	-5615.7	0.17	5.79	-1.08
	112	-43798.2	14941.2	5928.0	-0.17	2.29	-15.72
26	111	-40046.4	-5342.0	6065.7	0.35	-4.38	0.39
	112	40046.4	11224.1	-5753.4	-0.35	-3.89	-11.99
27	111	-7340.5	-11337.2	670.1	-0.11	0.60	1.23
	112	7340.5	17797.6	-670.1	0.11	-1.25	-21.63
28	111	-3277.0	-11831.1	1867.8	-0.40	0.26	1.81
	112	3277.0	18291.5	-1867.8	0.40	-3.06	-22.89
29	111	-6982.9	-9418.6	-1415.9	0.25	0.90	-0.90
	112	6982.9	15879.0	1415.9	-0.25	1.87	-16.82
30	111	4159.7	-9091.0	-10.2	-0.20	0.26	-1.17
	112	-4159.7	15551.5	10.2	0.20	-0.26	-16.08
31	111	7226.4	-7501.7	-1297.8	-0.03	0.34	-2.91
	112	-7226.4	13962.1	1297.8	0.03	1.66	-12.12
32	111	11289.9	-7995.5	-100.1	-0.32	0.01	-2.33
	112	-11289.9	14456.0	100.1	0.32	-0.15	-13.38
33	111	6562.3	-11064.8	2576.3	-0.71	-0.21	1.04
	112	-6562.3	17525.3	-2576.3	0.71	-4.15	-21.04
34	111	10932.4	-9914.2	1985.9	-0.68	-0.29	-0.20
	112	-10932.4	16374.6	-1985.9	0.68	-3.28	-18.19
35	111	1597.3	-7132.4	248.0	-0.11	0.24	-0.38
	112	-1597.3	12387.9	-248.0	0.11	-0.59	-13.28
36	111	559.3	-4498.6	46.8	0.01	0.18	-0.31
	112	-559.3	8549.3	-46.8	-0.01	-0.25	-8.82
37	111	1432.1	-7086.9	262.1	-0.39	-0.20	-0.39
	112	-1432.1	12294.3	-539.7	0.39	-0.36	-13.17
38	111	1803.0	-4685.0	340.1	-0.01	0.19	-0.13
	112	-1803.0	8735.7	-340.1	0.01	-0.67	-9.27
39	111	966.9	-2725.8	116.6	0.27	0.42	-0.08
	112	-966.9	5909.0	91.6	-0.27	-0.44	-5.97
40	111	17988.8	-5341.8	-2125.4	-0.04	2.22	-0.51
	112	-17988.8	9392.5	2125.4	0.04	0.75	-9.81
41	111	-15549.0	-3854.9	2547.2	0.03	-1.85	0.08
	112	15549.0	7905.6	-2547.2	-0.03	-1.72	-8.31
42	111	1974.7	-9666.4	285.0	-0.21	0.30	-0.55
	112	-1974.7	16126.8	-285.0	0.21	-0.70	-17.51
43	111	-7607.5	-11397.9	688.3	-0.12	0.58	1.30
	112	7607.5	17858.4	-688.3	0.12	-1.29	-21.78
44	111	-3413.0	-11916.0	1941.0	-0.39	0.28	1.91
	112	3413.0	18376.5	-1941.0	0.39	-3.17	-23.11
45	111	-7261.7	-9400.0	-1494.0	0.21	0.84	-0.92
	112	7261.7	15860.5	1494.0	-0.21	1.98	-16.77
46	111	-2770.7	-8205.6	-2111.8	0.24	0.77	-2.22
	112	2770.7	14666.1	2111.8	-0.24	2.90	-13.80
47	111	7362.4	-7416.7	-1371.0	-0.04	0.33	-3.01
	112	-7362.4	13877.1	1371.0	0.04	1.77	-11.90

	111	11557.0	-7934.8	-118.3	-0.31	0.03	-2.40
	112	-11557.0	14395.3	118.3	0.31	-0.12	-13.23
49	111	6720.2	-11127.1	2681.8	-0.67	-0.16	1.12
	112	-6720.2	17587.6	-2681.8	0.67	-4.30	-21.21
50	111	11211.1	-9932.7	2064.0	-0.64	-0.24	-0.18
	112	-11211.1	16393.2	-2064.0	0.64	-3.38	-18.24
51	111	-6610.6	-6005.5	530.9	0.07	0.41	1.29
	112	6610.6	10056.2	-530.9	-0.07	-0.94	-12.53
52	111	-3200.4	-6420.5	1536.1	-0.14	0.16	1.78
	112	3200.4	10471.2	-1536.1	0.14	-2.46	-13.60
53	111	-6301.4	-4391.1	-1217.6	0.34	0.62	-0.50
	112	6301.4	8441.8	1217.6	-0.34	1.67	-8.49
54	111	-2626.2	-3422.3	-1711.1	0.36	0.56	-1.55
	112	2626.2	7473.0	1711.1	-0.36	2.41	-6.08
55	111	5640.2	-2776.2	-1114.2	0.14	0.21	-2.20
	112	-5640.2	6826.9	1114.2	-0.14	1.50	-4.52
56	111	9050.4	-3191.2	-109.0	-0.08	-0.04	-1.71
	112	-9050.4	7241.9	109.0	0.08	-0.02	-5.59
57	111	5066.0	-5774.4	2133.0	-0.37	-0.19	1.13
	112	-5066.0	9825.1	-2133.0	0.37	-3.37	-12.04
58	111	8741.2	-4805.6	1639.4	-0.35	-0.25	0.08
	112	-8741.2	8856.3	-1639.4	0.35	-2.64	-9.64
1	112	1934.9	15772.9	-12.0	0.13	-0.01	15.52
	113	-1934.9	-9782.5	12.0	-0.13	0.03	4.41
2	112	3522.1	31134.2	-23.6	0.37	-0.04	31.58
	113	-3522.1	-21116.0	23.6	-0.37	0.08	9.17
3	112	25271.4	31758.3	4373.7	0.64	-4.68	31.84
	113	-25271.4	-21740.1	-4373.7	-0.64	-2.14	9.89
4	112	26973.4	39137.0	2448.2	1.11	-2.86	39.42
	113	-26973.4	-27185.5	-2912.2	-1.11	-1.33	12.31
5	112	26453.3	31629.3	4549.2	0.65	-4.98	31.35
	113	-26453.3	-21611.1	-4549.2	-0.65	-2.12	10.18
6	112	25032.6	26095.3	5935.9	0.30	-6.31	25.70
	113	-25032.6	-17527.1	-5587.9	-0.30	-2.68	8.33
7	112	-19480.7	30646.4	-4615.0	0.08	4.92	31.85
	113	19480.7	-20628.2	4615.0	-0.08	2.28	8.15
8	112	-17778.7	38025.1	-6540.6	0.56	6.75	39.43
	113	17778.7	-26073.6	6076.6	-0.56	3.09	10.57
9	112	-18298.8	30517.4	-4439.5	0.10	4.63	31.36
	113	18298.8	-20499.2	4439.5	-0.10	2.30	8.44
10	112	-19719.5	24983.4	-3052.8	-0.25	3.29	25.70
	113	19719.5	-16415.2	3400.8	0.25	1.74	6.59
11	112	24060.0	24123.1	4314.8	0.51	-4.55	23.99
	113	-24060.0	-16118.8	-4314.8	-0.51	-2.18	7.40
12	112	-20692.1	23011.2	-4673.9	-0.04	5.05	23.99
	113	20692.1	-15006.9	4673.9	0.04	2.24	5.66
13	112	26896.6	36420.9	1105.5	1.30	-1.51	36.62
	113	-26896.6	-25194.4	-1878.9	-1.30	-0.81	11.44
14	112	-17855.5	35309.0	-7883.2	0.74	8.09	36.63
	113	17855.5	-24082.5	7109.9	-0.74	3.61	9.70
15	112	26029.8	23908.2	4607.3	0.54	-5.05	23.17
	113	-26029.8	-15903.8	-4607.3	-0.54	-2.14	7.89
16	112	-18722.3	22796.2	-4381.5	-0.01	4.56	23.17
	113	18722.3	-14791.9	4381.5	0.01	2.28	6.15
17	112	23661.9	14684.8	6918.5	-0.05	-7.27	13.74

	113	-23661.9	-9097.1	-6338.5	0.05	-3.07	4.81
18	112	-21090.2	13572.9	-2070.3	-0.60	2.33	13.75
	113	21090.2	-7985.2	2650.2	0.60	1.35	3.07
19	112	39395.2	24448.3	7375.8	0.70	-7.86	23.81
	113	-39395.2	-16444.0	-7375.8	-0.70	-3.64	8.09
20	112	-35191.6	22595.1	-7605.5	-0.22	8.14	23.82
	113	35191.6	-14590.8	7605.5	0.22	3.72	5.19
21	112	41097.1	31827.0	5450.2	1.17	-6.04	31.39
	113	-41097.1	-21889.4	-5914.2	-1.17	-2.82	10.51
22	112	-33489.7	29973.8	-9531.0	0.25	9.96	31.40
	113	33489.7	-20036.2	9067.0	-0.25	4.54	7.61
23	112	40577.0	24319.3	7551.3	0.72	-8.16	23.32
	113	-40577.0	-16315.0	-7551.3	-0.72	-3.62	8.38
24	112	-34009.8	22466.1	-7430.0	-0.20	7.84	23.33
	113	34009.8	-14461.8	7430.0	0.20	3.75	5.48
25	112	39156.3	18785.3	8938.0	0.37	-9.50	17.66
	113	-39156.3	-12231.0	-8590.0	-0.37	-4.18	6.53
26	112	-35430.5	16932.1	-6043.3	-0.55	6.51	17.67
	113	35430.5	-10377.8	6391.3	0.55	3.19	3.63
27	112	-5505.1	20902.5	1740.2	0.01	-2.31	19.14
	113	5505.1	-13703.7	-1740.2	-0.01	-0.50	8.29
28	112	-2750.7	21204.3	-12.1	0.30	-0.35	18.13
	113	2750.7	-14005.5	12.1	-0.30	0.30	8.90
29	112	-4102.4	21214.6	3164.8	-0.26	-3.69	22.86
	113	4102.4	-14015.8	-3164.8	0.26	-1.32	6.07
30	112	4444.9	22287.1	-286.6	0.29	0.36	23.34
	113	-4444.9	-15088.3	286.6	-0.29	0.11	5.81
31	112	7683.8	22800.4	-30.1	0.21	0.29	26.38
	113	-7683.8	-15601.6	30.1	-0.21	-0.17	4.01
32	112	10438.2	23102.3	-1782.4	0.50	2.25	25.37
	113	-10438.2	-15903.5	1782.4	-0.50	0.63	4.62
33	112	5078.9	22220.8	-2676.0	0.71	2.86	19.48
	113	-5078.9	-15022.0	2676.0	-0.71	1.34	8.12
34	112	9035.6	22790.2	-3207.1	0.77	3.64	21.65
	113	-9035.6	-15591.4	3207.1	-0.77	1.44	6.83
35	112	1937.5	16882.0	-17.2	0.18	-0.02	16.90
	113	-1937.5	-11025.7	17.2	-0.18	0.04	4.87
36	112	990.6	11807.0	-78.1	0.09	0.10	11.72
	113	-990.6	-7293.3	78.1	-0.09	0.02	3.18
37	112	2125.2	16726.1	-1361.8	0.40	1.32	16.78
	113	-2125.2	-10923.6	1052.5	-0.40	0.56	4.79
38	112	1778.5	11721.0	38.9	0.10	-0.09	11.40
	113	-1778.5	-7207.3	-38.9	-0.10	0.03	3.37
39	112	831.4	8031.6	963.4	-0.13	-0.98	7.63
	113	-831.4	-4484.7	-731.4	0.13	-0.34	2.14
40	112	16325.8	12132.2	2982.9	0.28	-3.21	11.55
	113	-16325.8	-7618.5	-2982.9	-0.28	-1.45	3.86
41	112	-13508.9	11390.9	-3009.6	-0.09	3.19	11.55
	113	13508.9	-6877.2	3009.6	0.09	1.50	2.70
42	112	2466.6	22002.4	-21.1	0.26	-0.03	22.26
	113	-2466.6	-14803.6	21.1	-0.26	0.06	6.45
43	112	-5731.2	20867.0	1689.7	0.01	-2.26	19.03
	113	5731.2	-13668.2	-1689.7	-0.01	-0.46	8.35
44	112	-2923.8	21168.5	88.9	0.29	-0.47	17.97
	113	2923.8	-13969.7	-88.9	-0.29	0.27	9.00
45	112	-4250.6	21204.4	2920.0	-0.24	-3.42	22.89

	113	4250.6	-14005.6	-2920.0	0.24	-1.19	6.04
46	112	-174.2	21795.2	2373.8	-0.18	-2.62	25.14
	113	174.2	-14596.4	-2373.8	0.18	-1.10	4.71
47	112	7856.9	22836.2	-131.1	0.22	0.41	26.54
	113	-7856.9	-15637.4	131.1	-0.22	-0.15	3.91
48	112	10664.3	23137.7	-1731.9	0.50	2.21	25.49
	113	-10664.3	-15938.9	1731.9	-0.50	0.58	4.55
49	112	5107.3	22209.6	-2416.0	0.69	2.56	19.37
	113	-5107.3	-15010.8	2416.0	-0.69	1.22	8.20
50	112	9183.7	22800.3	-2962.3	0.75	3.37	21.62
	113	-9183.7	-15601.5	2962.3	-0.75	1.32	6.86
51	112	-5286.3	10840.9	1378.5	-0.10	-1.82	8.92
	113	5286.3	-6327.3	-1378.5	0.10	-0.39	4.82
52	112	-2993.9	11084.4	74.4	0.12	-0.36	8.08
	113	2993.9	-6570.8	-74.4	-0.12	0.20	5.34
53	112	-4076.8	11116.1	2382.0	-0.31	-2.77	12.05
	113	4076.8	-6602.5	-2382.0	0.31	-1.00	2.96
54	112	-747.7	11595.4	1938.1	-0.26	-2.12	13.87
	113	747.7	-7081.8	-1938.1	0.26	-0.92	1.88
55	112	5810.7	12438.6	-101.2	0.07	0.35	15.02
	113	-5810.7	-7925.0	101.2	-0.07	-0.14	1.22
56	112	8103.1	12682.1	-1405.2	0.29	1.81	14.17
	113	-8103.1	-8168.5	1405.2	-0.29	0.45	1.73
57	112	3564.6	11927.7	-1964.8	0.45	2.11	9.22
	113	-3564.6	-7414.0	1964.8	-0.45	0.97	4.68
58	112	6893.7	12407.0	-2408.7	0.50	2.76	11.05
	113	-6893.7	-7893.3	2408.7	-0.50	1.05	3.60
1	113	1910.2	7350.7	-12.2	-0.01	-0.12	-4.41
	114	-1910.2	-1341.0	12.2	0.01	0.14	11.22
2	113	3475.9	13960.1	-27.4	-0.06	-0.28	-9.22
	114	-3475.9	-3909.8	27.4	0.06	0.32	23.21
3	113	25187.8	13310.4	-1129.4	0.03	1.70	-9.88
	114	-25187.8	-3260.1	1129.4	-0.03	0.06	22.85
4	113	26900.2	16473.6	-1838.7	0.10	0.94	-12.35
	114	-26900.2	-4483.7	1373.3	-0.10	1.57	28.75
5	113	26365.8	13147.8	-1063.3	0.04	1.64	-10.16
	114	-26365.8	-3097.5	1063.3	-0.04	0.03	22.87
6	113	24937.3	10795.5	-508.4	-0.01	2.16	-8.28
	114	-24937.3	-2199.8	857.5	0.01	-1.09	18.45
7	113	-19485.3	14783.1	1000.7	-0.17	-2.19	-8.27
	114	19485.3	-4732.8	-1000.7	0.17	0.62	23.54
8	113	-17772.9	17946.3	291.4	-0.10	-2.95	-10.74
	114	17772.9	-5956.5	-756.9	0.10	2.13	29.44
9	113	-18307.3	14620.5	1066.9	-0.16	-2.26	-8.54
	114	18307.3	-4570.2	-1066.9	0.16	0.59	23.56
10	113	-19735.8	12268.2	1621.7	-0.21	-1.74	-6.66
	114	19735.8	-3672.5	-1272.6	0.21	-0.53	19.13
11	113	23988.5	10063.4	-1146.4	0.05	1.81	-7.38
	114	-23988.5	-2033.4	1146.4	-0.05	-0.01	16.85
12	113	-20684.6	11536.1	983.7	-0.14	-2.09	-5.76
	114	20684.6	-3506.1	-983.7	0.14	0.55	17.53
13	113	26842.5	15335.4	-2328.6	0.17	0.54	-11.50
	114	-26842.5	-4072.9	1552.8	-0.17	2.50	26.69
14	113	-17830.6	16808.1	-198.5	-0.03	-3.36	-9.88
	114	17830.6	-5545.6	-577.3	0.03	3.06	27.37

	113	25951.8	9792.4	-1036.2	0.07	1.70	-7.85
	114	-25951.8	-1762.4	1036.2	-0.07	-0.07	16.89
16	113	-18721.3	11265.1	1094.0	-0.13	-2.20	-6.23
	114	18721.3	-3235.1	-1094.0	0.13	0.49	17.57
17	113	23570.9	5871.9	-111.4	-0.01	2.56	-4.70
	114	-23570.9	-266.3	693.2	0.01	-1.93	9.51
18	113	-21102.1	7344.6	2018.8	-0.21	-1.34	-3.09
	114	21102.1	-1739.0	-1436.9	0.21	-1.37	10.19
19	113	39296.0	9514.7	-1831.8	0.12	3.08	-8.02
	114	-39296.0	-1484.8	1831.8	-0.12	-0.21	16.63
20	113	-35159.2	11969.3	1718.4	-0.21	-3.41	-5.32
	114	35159.2	-3939.3	-1718.4	0.21	0.72	17.77
21	113	41008.3	12677.9	-2541.2	0.20	2.32	-10.49
	114	-41008.3	-2708.4	2075.7	-0.20	1.29	22.53
22	113	-33446.8	15132.5	1009.1	-0.14	-4.17	-7.79
	114	33446.8	-5163.0	-1474.6	0.14	2.23	23.67
23	113	40473.9	9352.1	-1765.7	0.13	3.01	-8.30
	114	-40473.9	-1322.2	1765.7	-0.13	-0.25	16.65
24	113	-33981.2	11806.7	1784.5	-0.20	-3.48	-5.60
	114	33981.2	-3776.7	-1784.5	0.20	0.68	17.80
25	113	39045.4	6999.8	-1210.8	0.08	3.53	-6.41
	114	-39045.4	-424.5	1559.9	-0.08	-1.36	12.22
26	113	-35409.7	9454.4	2339.4	-0.25	-2.96	-3.72
	114	35409.7	-2879.0	-1990.3	0.25	-0.43	13.37
27	113	-4220.7	8859.8	437.8	-0.04	-0.03	-8.29
	114	4220.7	-1638.0	-437.8	0.04	-0.81	16.41
28	113	-1480.6	8499.6	-182.9	0.06	-0.71	-8.90
	114	1480.6	-1277.8	182.9	-0.06	0.80	16.65
29	113	-3718.3	10135.7	1060.8	-0.20	0.89	-6.11
	114	3718.3	-2913.8	-1060.8	0.20	-2.51	15.99
30	113	4019.3	10268.7	-60.4	-0.06	-0.15	-5.85
	114	-4019.3	-3046.8	60.4	0.06	0.30	16.27
31	113	6348.5	11304.3	148.8	-0.15	0.30	-4.08
	114	-6348.5	-4082.5	-148.8	0.15	-0.34	16.01
32	113	9088.6	10944.1	-471.9	-0.04	-0.38	-4.68
	114	-9088.6	-3722.2	471.9	0.04	1.26	16.25
33	113	5415.4	8935.0	-1008.2	0.15	-1.39	-8.13
	114	-5415.4	-1713.1	1008.2	-0.15	2.83	16.79
34	113	8586.2	9668.3	-1094.9	0.12	-1.29	-6.86
	114	-8586.2	-2446.4	1094.9	-0.12	2.97	16.67
35	113	1912.0	7698.8	-12.0	-0.02	-0.15	-4.88
	114	-1912.0	-1823.8	12.0	0.02	0.17	12.34
36	113	973.7	5553.5	-31.5	-0.01	-0.07	-3.18
	114	-973.7	-1025.3	31.5	0.01	0.12	8.33
37	113	2115.3	7662.3	-504.4	0.04	-0.58	-4.83
	114	-2115.3	-1841.1	194.1	-0.04	1.13	12.27
38	113	1759.0	5445.1	12.6	-0.00	-0.12	-3.37
	114	-1759.0	-916.9	-12.6	0.00	0.10	8.35
39	113	806.7	3876.9	382.5	-0.04	0.23	-2.11
	114	-806.7	-318.5	-149.8	0.04	-0.64	5.39
40	113	16281.1	5004.8	-716.9	0.06	1.20	-3.82
	114	-16281.1	-476.7	716.9	-0.06	-0.08	8.11
41	113	-13500.9	5986.6	703.1	-0.07	-1.40	-2.74
	114	13500.9	-1458.5	-703.1	0.07	0.30	8.57
42	113	2433.9	9902.0	-17.1	-0.04	-0.20	-6.49
	114	-2433.9	-2680.1	17.1	0.04	0.23	16.33

	113	-4405.2	8819.4	404.6	-0.04	-0.04	-8.36
	114	4405.2	-1597.6	-404.6	0.04	-0.72	16.43
44	113	-1598.1	8444.7	-159.1	0.06	-0.66	-9.00
	114	1598.1	-1222.8	159.1	-0.06	0.75	16.65
45	113	-3875.3	10145.6	964.5	-0.20	0.78	-6.08
	114	3875.3	-2923.7	-964.5	0.20	-2.27	16.02
46	113	-613.9	10907.6	880.6	-0.23	0.87	-4.77
	114	613.9	-3685.7	-880.6	0.23	-2.14	15.90
47	113	6466.0	11359.3	125.0	-0.15	0.26	-3.98
	114	-6466.0	-4137.4	-125.0	0.15	-0.29	16.01
48	113	9273.1	10984.5	-438.8	-0.04	-0.36	-4.61
	114	-9273.1	-3762.6	438.8	0.04	1.17	16.24
49	113	5481.8	8896.4	-914.7	0.15	-1.28	-8.21
	114	-5481.8	-1674.5	914.7	-0.15	2.60	16.76
50	113	8743.1	9658.3	-998.6	0.12	-1.19	-6.89
	114	-8743.1	-2436.5	998.6	-0.12	2.73	16.64
51	113	-4197.9	4616.5	336.9	-0.00	0.03	-4.80
	114	4197.9	-88.4	-336.9	0.00	-0.66	8.42
52	113	-1912.4	4316.2	-122.0	0.08	-0.47	-5.31
	114	1912.4	211.9	122.0	-0.08	0.53	8.60
53	113	-3752.7	5687.3	792.3	-0.13	0.71	-2.97
	114	3752.7	-1159.2	-792.3	0.13	-1.93	8.09
54	113	-1085.5	6305.0	723.7	-0.16	0.78	-1.90
	114	1085.5	-1776.8	-723.7	0.16	-1.82	7.99
55	113	4692.6	6675.2	108.2	-0.09	0.28	-1.25
	114	-4692.6	-2147.1	-108.2	0.09	-0.31	8.08
56	113	6978.1	6374.9	-350.7	-0.01	-0.23	-1.76
	114	-6978.1	-1846.8	350.7	0.01	0.88	8.26
57	113	3865.7	4686.4	-737.5	0.15	-0.97	-4.66
	114	-3865.7	-158.3	737.5	-0.15	2.04	8.69
58	113	6532.9	5304.1	-806.1	0.12	-0.90	-3.60
	114	-6532.9	-775.9	806.1	-0.12	2.15	8.59
1	114	1901.1	-1173.2	6.2	0.02	-0.15	-11.22
	115	-1901.1	7182.9	-6.2	-0.02	0.14	4.68
2	114	3460.9	-3555.4	21.2	0.08	-0.33	-23.20
	115	-3460.9	13605.7	-21.2	-0.08	0.30	9.78
3	114	25079.8	-3603.2	1301.0	0.06	-0.16	-22.83
	115	-25079.8	13653.5	-1301.0	-0.06	-1.88	9.33
4	114	26786.1	-4814.2	1667.1	0.00	-1.70	-28.72
	115	-26786.1	16804.0	-2132.6	-0.00	-1.27	11.81
5	114	26253.3	-3766.1	1367.5	0.07	-0.16	-22.84
	115	-26253.3	13816.4	-1367.5	-0.07	-1.98	9.08
6	114	24829.7	-2844.3	1086.2	0.12	0.98	-18.42
	115	-24829.7	11440.0	-737.1	-0.12	-2.41	7.24
7	114	-19402.5	-3334.0	-1332.9	0.08	-0.49	-23.57
	115	19402.5	13384.3	1332.9	-0.08	2.58	10.49
8	114	-17696.2	-4545.0	-966.8	0.02	-2.04	-29.46
	115	17696.2	16534.8	501.3	-0.02	3.19	12.97
9	114	-18229.0	-3496.9	-1266.4	0.09	-0.50	-23.58
	115	18229.0	13547.2	1266.4	-0.09	2.48	10.24
10	114	-19652.6	-2575.1	-1547.7	0.14	0.64	-19.16
	115	19652.6	11170.8	1896.8	-0.14	2.05	8.40
11	114	23885.0	-2354.2	1268.8	0.03	-0.06	-16.83
	115	-23885.0	10384.2	-1268.8	-0.03	-1.92	6.86
12	114	-20597.2	-2085.0	-1365.1	0.05	-0.40	-17.57

	115	20597.2	10115.0	1365.1	-0.05	2.53	8.02
13	114	26728.9	-4372.6	1878.8	-0.07	-2.64	-26.65
	115	-26728.9	15635.1	-2654.6	0.07	-0.91	11.00
14	114	-17753.3	-4103.4	-755.1	-0.06	-2.97	-27.39
	115	17753.3	15365.8	-20.7	0.06	3.55	12.16
15	114	25840.9	-2625.7	1379.6	0.04	-0.08	-16.85
	115	-25840.9	10655.7	-1379.6	-0.04	-2.08	6.46
16	114	-18641.3	-2356.5	-1254.3	0.06	-0.41	-17.59
	115	18641.3	10386.5	1254.3	-0.06	2.38	7.62
17	114	23468.2	-1089.4	910.7	0.13	1.83	-9.48
	115	-23468.2	6695.0	-328.8	-0.13	-2.80	3.39
18	114	-21014.0	-820.2	-1723.2	0.15	1.49	-10.22
	115	21014.0	6425.8	2305.1	-0.15	1.66	4.55
19	114	39127.3	-2501.8	2171.5	0.03	0.05	-16.59
	115	-39127.3	10531.8	-2171.5	-0.03	-3.45	6.39
20	114	-35009.8	-2053.1	-2218.3	0.06	-0.51	-17.82
	115	35009.8	10083.1	2218.3	-0.06	3.99	8.32
21	114	40833.6	-3712.9	2537.5	-0.03	-1.50	-22.48
	115	-40833.6	13682.4	-3003.0	0.03	-2.84	8.87
22	114	-33303.5	-3264.1	-1852.3	-0.01	-2.06	-23.71
	115	33303.5	13233.6	1386.8	0.01	4.59	10.80
23	114	40300.8	-2664.7	2238.0	0.04	0.04	-16.60
	115	-40300.8	10694.7	-2238.0	-0.04	-3.54	6.15
24	114	-33836.2	-2216.0	-2151.9	0.06	-0.52	-17.83
	115	33836.2	10246.0	2151.9	-0.06	3.89	8.08
25	114	38877.2	-1743.0	1956.6	0.09	1.18	-12.18
	115	-38877.2	8318.3	-1607.5	-0.09	-3.97	4.31
26	114	-35259.9	-1294.2	-2433.2	0.12	0.62	-13.41
	115	35259.9	7869.6	2782.3	-0.12	3.46	6.24
27	114	-2973.2	-3485.9	-179.2	0.13	0.36	-16.38
	115	2973.2	10707.7	179.2	-0.13	-0.23	5.38
28	114	-209.8	-3838.9	497.3	0.03	-1.27	-16.61
	115	209.8	11060.7	-497.3	-0.03	0.38	4.84
29	114	-3386.8	-2214.1	-1069.8	0.22	2.42	-15.99
	115	3386.8	9435.9	1069.8	-0.22	-0.85	7.25
30	114	3627.8	-2065.3	-29.2	0.04	-0.17	-16.28
	115	-3627.8	9287.2	29.2	-0.04	0.25	7.40
31	114	5056.4	-1028.9	-468.9	0.07	0.81	-16.05
	115	-5056.4	8250.7	468.9	-0.07	0.04	8.90
32	114	7819.8	-1381.9	207.7	-0.03	-0.83	-16.28
	115	-7819.8	8603.7	-207.7	0.03	0.65	8.36
33	114	5824.6	-3390.8	1185.2	-0.11	-3.02	-16.77
	115	-5824.6	10612.6	-1185.2	0.11	1.19	5.43
34	114	8233.5	-2653.7	1098.3	-0.12	-2.89	-16.67
	115	-8233.5	9875.5	-1098.3	0.12	1.27	6.49
35	114	1903.4	-1639.8	9.2	0.03	-0.17	-12.33
	115	-1903.4	7514.8	-9.2	-0.03	0.16	5.17
36	114	968.6	-787.8	-20.5	0.01	-0.11	-8.33
	115	-968.6	5316.0	20.5	-0.01	0.14	3.56
37	114	2106.2	-1595.2	223.5	-0.03	-1.14	-12.26
	115	-2106.2	7416.3	-533.8	0.03	0.55	5.21
38	114	1751.0	-896.4	23.8	0.01	-0.11	-8.34
	115	-1751.0	5424.6	-23.8	-0.01	0.08	3.40
39	114	801.9	-281.9	-163.8	0.05	0.65	-5.39
	115	-801.9	3840.3	396.5	-0.05	-0.21	2.17
40	114	16210.9	-935.5	882.2	0.01	0.00	-8.09

	115	-16210.9	5463.6	-882.2	-0.01	-1.38	3.08
41	114	-13443.9	-756.0	-873.8	0.02	-0.22	-8.58
	115	13443.9	5284.1	873.8	-0.02	1.59	3.86
42	114	2423.3	-2433.9	14.2	0.05	-0.23	-16.33
	115	-2423.3	9655.7	-14.2	-0.05	0.21	6.87
43	114	-3119.9	-3524.3	-163.0	0.13	0.31	-16.40
	115	3119.9	10746.1	163.0	-0.13	-0.19	5.32
44	114	-272.8	-3896.7	455.3	0.04	-1.18	-16.61
	115	272.8	11118.6	-455.3	-0.04	0.36	4.76
45	114	-3557.7	-2196.1	-976.8	0.21	2.19	-16.03
	115	3557.7	9418.0	976.8	-0.21	-0.74	7.26
46	114	-1085.9	-1430.1	-1055.9	0.19	2.31	-15.92
	115	1085.9	8652.0	1055.9	-0.19	-0.67	8.36
47	114	5119.5	-971.0	-426.9	0.06	0.71	-16.05
	115	-5119.5	8192.9	426.9	-0.06	0.06	8.98
48	114	7966.6	-1343.5	191.5	-0.03	-0.78	-16.27
	115	-7966.6	8565.3	-191.5	0.03	0.61	8.42
49	114	5932.6	-3437.6	1084.4	-0.09	-2.77	-16.74
	115	-5932.6	10659.5	-1084.4	0.09	1.09	5.39
50	114	8404.4	-2671.6	1005.2	-0.11	-2.65	-16.64
	115	-8404.4	9893.5	-1005.2	0.11	1.16	6.48
51	114	-3146.6	-1731.5	-140.5	0.07	0.33	-8.39
	115	3146.6	6259.6	140.5	-0.07	-0.22	2.21
52	114	-836.3	-2029.1	362.9	0.00	-0.88	-8.56
	115	836.3	6557.2	-362.9	-0.00	0.23	1.76
53	114	-3479.4	-660.2	-802.6	0.14	1.86	-8.09
	115	3479.4	5188.3	802.6	-0.14	-0.67	3.78
54	114	-1454.5	-39.4	-866.8	0.13	1.96	-8.01
	115	1454.5	4567.6	866.8	-0.13	-0.61	4.67
55	114	3603.3	337.6	-354.5	0.02	0.66	-8.11
	115	-3603.3	4190.5	354.5	-0.02	-0.02	5.18
56	114	5913.5	40.1	148.9	-0.05	-0.55	-8.29
	115	-5913.5	4488.0	-148.9	0.05	0.43	4.73
57	114	4221.4	-1652.0	875.2	-0.10	-2.18	-8.67
	115	-4221.4	6180.1	-875.2	0.10	0.82	2.27
58	114	6246.4	-1031.3	811.0	-0.12	-2.08	-8.59
	115	-6246.4	5559.4	-811.0	0.12	0.88	3.16
1	115	1908.6	-9614.2	-3.4	-0.11	-0.05	-4.67
	116	-1908.6	15604.6	3.4	0.11	0.05	-15.00
2	115	3478.5	-20760.6	3.5	-0.34	-0.10	-9.72
	116	-3478.5	30778.8	-3.5	0.34	0.10	-30.48
3	115	24952.8	-21938.2	-3636.5	-0.44	2.14	-9.29
	116	-24952.8	31956.4	3636.5	0.44	3.53	-32.75
4	115	26639.0	-27332.1	-1910.2	-0.89	1.40	-11.70
	116	-26639.0	39283.6	1446.2	0.89	1.22	-40.26
5	115	26122.8	-22069.8	-3464.6	-0.44	2.19	-9.03
	116	-26122.8	32088.0	3464.6	0.44	3.21	-33.21
6	115	24715.1	-17998.3	-4717.3	-0.09	2.72	-7.24
	116	-24715.1	26566.5	5065.3	0.09	4.91	-27.52
7	115	-19236.5	-19443.4	3453.8	-0.24	-2.40	-10.43
	116	19236.5	29461.6	-3453.8	0.24	-2.98	-27.72
8	115	-17550.4	-24837.3	5180.1	-0.69	-3.14	-12.84
	116	17550.4	36788.8	-5644.1	0.69	-5.30	-35.22
9	115	-18066.6	-19575.0	3625.7	-0.24	-2.35	-10.18
	116	18066.6	29593.2	-3625.7	0.24	-3.31	-28.17

	115	-19474.3	-15503.5	2373.0	0.11	-1.83	-8.39
	116	19474.3	24071.7	-2025.0	-0.11	-1.60	-22.48
11	115	23754.3	-16318.5	-3703.1	-0.33	2.15	-6.85
	116	-23754.3	24322.8	3703.1	0.33	3.63	-24.85
12	115	-20435.1	-13823.7	3387.2	-0.13	-2.40	-8.00
	116	20435.1	21828.1	-3387.2	0.13	-2.89	-19.81
13	115	26564.5	-25308.3	-826.0	-1.08	0.92	-10.87
	116	-26564.5	36534.8	52.7	1.08	-0.23	-37.36
14	115	-17624.9	-22813.5	6264.3	-0.88	-3.62	-12.02
	116	17624.9	34040.0	-7037.7	0.88	-6.75	-32.33
15	115	25704.2	-16537.8	-3416.6	-0.32	2.24	-6.43
	116	-25704.2	24542.1	3416.6	0.32	3.09	-25.61
16	115	-18485.1	-14043.0	3673.7	-0.12	-2.31	-7.57
	116	18485.1	22047.3	-3673.7	0.12	-3.42	-20.58
17	115	23358.1	-9752.0	-5504.5	0.26	3.11	-3.45
	116	-23358.1	15339.7	6084.5	-0.26	5.93	-16.12
18	115	-20831.2	-7257.2	1585.8	0.46	-1.43	-4.59
	116	20831.2	12844.9	-1005.8	-0.46	-0.59	-11.09
19	115	38897.7	-17196.6	-6003.4	-0.39	3.68	-6.38
	116	-38897.7	25200.9	6003.4	0.39	5.68	-26.69
20	115	-34751.3	-13038.6	5813.8	-0.06	-3.89	-8.29
	116	34751.3	21043.0	-5813.8	0.06	-5.18	-18.30
21	115	40583.8	-22590.5	-4277.1	-0.84	2.94	-8.79
	116	-40583.8	32528.1	3813.1	0.84	3.37	-34.20
22	115	-33065.2	-18432.5	7540.1	-0.51	-4.63	-10.70
	116	33065.2	28370.1	-8004.1	0.51	-7.50	-25.81
23	115	40067.6	-17328.2	-5831.5	-0.39	3.74	-6.13
	116	-40067.6	25332.5	5831.5	0.39	5.36	-27.15
24	115	-33581.3	-13170.2	5985.7	-0.05	-3.84	-8.03
	116	33581.3	21174.5	-5985.7	0.05	-5.50	-18.76
25	115	38660.0	-13256.7	-7084.2	-0.04	4.26	-4.34
	116	-38660.0	19811.0	7432.2	0.04	7.06	-21.45
26	115	-34989.0	-9098.7	4733.0	0.29	-3.31	-6.24
	116	34989.0	15653.0	-4385.0	-0.29	-3.80	-13.06
27	115	-1829.4	-15357.2	-146.3	-0.13	0.19	-5.32
	116	1829.4	22556.0	146.3	0.13	-0.01	-24.28
28	115	1001.2	-15639.6	1807.7	-0.40	-0.58	-4.78
	116	-1001.2	22838.4	-1807.7	0.40	-2.31	-25.21
29	115	-3137.0	-14369.2	-3004.7	0.20	1.18	-7.20
	116	3137.0	21568.0	3004.7	-0.20	3.53	-20.90
30	115	3290.6	-14275.7	-244.0	-0.23	-0.04	-7.37
	116	-3290.6	21474.5	244.0	0.23	0.44	-20.51
31	115	3870.2	-13476.0	-1799.7	-0.07	0.44	-8.89
	116	-3870.2	20674.8	1799.7	0.07	2.45	-17.77
32	115	6700.8	-13758.5	154.4	-0.34	-0.34	-8.36
	116	-6700.8	20957.3	-154.4	0.34	0.15	-18.70
33	115	6298.5	-15310.8	3508.7	-0.69	-1.41	-5.40
	116	-6298.5	22509.6	-3508.7	0.69	-4.13	-24.03
34	115	8008.4	-14746.4	3012.7	-0.67	-1.33	-6.48
	116	-8008.4	21945.2	-3012.7	0.67	-3.40	-22.08
35	115	1912.4	-10842.4	1.7	-0.16	-0.06	-5.15
	116	-1912.4	16698.6	-1.7	0.16	0.05	-16.33
36	115	975.5	-7080.4	-63.8	-0.08	-0.06	-3.56
	116	-975.5	11594.0	63.8	0.08	0.16	-11.01
37	115	2099.6	-10676.3	1087.1	-0.38	-0.55	-5.17
	116	-2099.6	16478.8	-1396.4	0.38	-1.39	-16.01

	115	1755.5	-7168.1	50.8	-0.08	-0.02	-3.39
	116	-1755.5	11681.7	-50.8	0.08	-0.06	-11.31
39	115	817.1	-4453.8	-784.3	0.15	0.33	-2.20
	116	-817.1	8000.8	1016.3	-0.15	1.08	-7.52
40	115	16118.9	-7958.5	-2364.0	-0.15	1.48	-3.09
	116	-16118.9	12472.1	2364.0	0.15	2.21	-12.85
41	115	-13340.7	-6295.3	2362.9	-0.01	-1.55	-3.85
	116	13340.7	10808.9	-2362.9	0.01	-2.13	-9.49
42	115	2435.7	-14557.8	4.0	-0.24	-0.07	-6.84
	116	-2435.7	21756.6	-4.0	0.24	0.07	-21.49
43	115	-1946.3	-15386.9	-48.4	-0.14	0.17	-5.26
	116	1946.3	22585.7	48.4	0.14	-0.13	-24.38
44	115	986.4	-15683.6	1748.2	-0.39	-0.53	-4.70
	116	-986.4	22882.4	-1748.2	0.39	-2.26	-25.37
45	115	-3326.8	-14356.6	-2736.5	0.16	1.06	-7.21
	116	3326.8	21555.4	2736.5	-0.16	3.23	-20.86
46	115	-1577.5	-13770.2	-3244.1	0.17	1.13	-8.32
	116	1577.5	20969.0	3244.1	-0.17	3.99	-18.83
47	115	3885.0	-13432.1	-1740.2	-0.09	0.39	-8.97
	116	-3885.0	20630.9	1740.2	0.09	2.39	-17.61
48	115	6817.7	-13728.8	56.4	-0.33	-0.32	-8.42
	116	-6817.7	20927.6	-56.4	0.33	0.27	-18.60
49	115	6448.9	-15345.5	3252.1	-0.65	-1.28	-5.35
	116	-6448.9	22544.3	-3252.1	0.65	-3.85	-24.15
50	115	8198.2	-14759.1	2744.6	-0.63	-1.21	-6.46
	116	-8198.2	21957.9	-2744.6	0.63	-3.10	-22.12
51	115	-2188.2	-7800.4	-48.3	-0.01	0.16	-2.19
	116	2188.2	12314.0	48.3	0.01	-0.12	-13.52
52	115	183.2	-8037.3	1412.2	-0.20	-0.41	-1.74
	116	-183.2	12550.9	-1412.2	0.20	-1.84	-14.31
53	115	-3280.8	-6969.6	-2229.9	0.24	0.89	-3.76
	116	3280.8	11483.2	2229.9	-0.24	2.61	-10.68
54	115	-1845.8	-6494.4	-2639.5	0.25	0.94	-4.67
	116	1845.8	11008.1	2639.5	-0.25	3.22	-9.03
55	115	2595.0	-6216.5	-1413.4	0.04	0.34	-5.20
	116	-2595.0	10730.1	1413.4	-0.04	1.92	-8.03
56	115	4966.4	-6453.4	47.1	-0.16	-0.23	-4.75
	116	-4966.4	10967.1	-47.1	0.16	0.19	-8.82
57	115	4624.0	-7759.4	2638.3	-0.42	-1.02	-2.27
	116	-4624.0	12273.0	-2638.3	0.42	-3.15	-13.31
58	115	6059.0	-7284.2	2228.8	-0.40	-0.96	-3.17
	116	-6059.0	11797.8	-2228.8	0.40	-2.54	-11.66
1	116	713.9	10610.1	-160.8	0.06	0.36	10.91
	117	-713.9	-3986.0	160.8	-0.06	-0.08	1.68
2	116	1211.9	20656.3	-279.1	0.34	0.67	22.43
	117	-1211.9	-9578.5	279.1	-0.34	-0.19	3.65
3	116	14954.7	18556.9	4820.7	0.39	-4.16	18.90
	117	-14954.7	-7479.1	-4820.7	-0.39	-4.16	3.56
4	116	15543.1	23407.8	4578.3	0.79	-4.48	24.53
	117	-15543.1	-10192.2	-5091.4	-0.79	-3.86	4.45
5	116	15476.9	18001.6	5015.3	0.38	-4.46	18.06
	117	-15476.9	-6923.8	-5015.3	-0.38	-4.20	3.44
6	116	14966.9	14415.2	5199.6	0.09	-4.24	13.93
	117	-14966.9	-4940.8	-4814.8	-0.09	-4.39	2.77
7	116	-13083.3	23349.7	-5594.0	0.30	5.82	26.86

	117	13083.3	-12271.9	5594.0	-0.30	3.83	3.86
8	116	-12494.9	28200.6	-5836.3	0.71	5.50	32.49
	117	12494.9	-14985.0	5323.2	-0.71	4.13	4.76
9	116	-12561.1	22794.4	-5399.3	0.30	5.52	26.02
	117	12561.1	-11716.6	5399.3	-0.30	3.79	3.74
10	116	-13071.1	19208.0	-5215.0	-0.00	5.73	21.89
	117	13071.1	-9733.5	5599.8	0.00	3.59	3.07
11	116	14521.5	13731.9	4808.1	0.25	-4.20	13.44
	117	-14521.5	-4880.9	-4808.1	-0.25	-4.09	2.61
12	116	-13516.5	18524.6	-5606.6	0.16	5.78	21.40
	117	13516.5	-9673.7	5606.6	-0.16	3.89	2.92
13	116	15502.2	21816.7	4404.2	0.92	-4.74	22.81
	117	-15502.2	-9402.7	-5259.3	-0.92	-3.59	4.11
14	116	-12535.8	26609.4	-6010.4	0.84	5.23	30.78
	117	12535.8	-14195.5	5155.3	-0.84	4.40	4.42
15	116	15391.9	12806.3	5132.5	0.24	-4.70	12.04
	117	-15391.9	-3955.4	-5132.5	-0.24	-4.15	2.42
16	116	-12646.1	17599.1	-5282.1	0.16	5.28	20.00
	117	12646.1	-8748.1	5282.1	-0.16	3.83	2.72
17	116	14541.9	6829.0	5439.6	-0.25	-4.35	5.15
	117	-14541.9	-650.3	-4798.3	0.25	-4.48	1.30
18	116	-13496.1	11621.8	-4975.0	-0.34	5.63	13.11
	117	13496.1	-5443.1	5616.3	0.34	3.50	1.61
19	116	24051.7	11936.3	8351.3	0.28	-7.64	10.49
	117	-24051.7	-3085.3	-8351.3	-0.28	-6.77	2.47
20	116	-22678.4	19924.2	-9006.4	0.13	8.99	23.75
	117	22678.4	-11073.2	9006.4	-0.13	6.54	2.98
21	116	24640.1	16787.1	8109.0	0.68	-7.96	16.11
	117	-24640.1	-5798.4	-8622.1	-0.68	-6.47	3.37
22	116	-22090.0	24775.1	-9248.7	0.54	8.67	29.38
	117	22090.0	-13786.3	8735.6	-0.54	6.84	3.88
23	116	24573.9	11380.9	8546.0	0.27	-7.94	9.65
	117	-24573.9	-2530.0	-8546.0	-0.27	-6.81	2.35
24	116	-22156.2	19368.8	-8811.7	0.13	8.70	22.91
	117	22156.2	-10517.9	8811.7	-0.13	6.50	2.86
25	116	24063.9	7794.6	8730.3	-0.03	-7.73	5.51
	117	-24063.9	-547.0	-8345.5	0.03	-7.00	1.68
26	116	-22666.2	15782.5	-8627.4	-0.17	8.91	18.78
	117	22666.2	-8534.9	9012.2	0.17	6.31	2.19
27	116	-1839.0	11355.5	689.3	0.09	-0.97	10.88
	117	1839.0	-3395.3	-689.3	-0.09	-0.32	1.85
28	116	-519.4	10188.9	285.0	0.28	-0.33	9.10
	117	519.4	-2228.7	-285.0	-0.28	-0.10	1.61
29	116	-1962.6	15418.2	685.2	-0.11	-0.94	17.04
	117	1962.6	-7458.0	-685.2	0.11	-0.53	2.71
30	116	1450.4	15789.3	-396.7	0.25	0.80	17.56
	117	-1450.4	-7829.1	396.7	-0.25	-0.11	2.81
31	116	2206.5	19074.2	-670.4	0.18	1.25	22.54
	117	-2206.5	-11113.9	670.4	-0.18	-0.16	3.51
32	116	3526.1	17907.5	-1074.7	0.38	1.89	20.75
	117	-3526.1	-9947.3	1074.7	-0.38	0.06	3.27
33	116	2436.0	11529.3	-662.7	0.55	1.19	11.10
	117	-2436.0	-3569.1	662.7	-0.55	0.23	1.91
34	116	3649.7	13844.9	-1070.6	0.57	1.86	14.59
	117	-3649.7	-5884.7	1070.6	-0.57	0.27	2.40
35	116	677.5	11282.8	-153.3	0.14	0.36	11.98

	117	-677.5	-4807.1	153.3	-0.14	-0.09	1.90
36	116	327.4	8132.0	-185.6	0.05	0.37	8.43
	117	-327.4	-3141.0	185.6	-0.05	-0.05	1.29
37	116	719.7	11366.0	-347.1	0.32	0.15	12.18
	117	-719.7	-4949.7	5.1	-0.32	0.16	1.89
38	116	675.5	7761.8	-55.8	0.04	0.17	7.87
	117	-675.5	-2770.8	55.8	-0.04	-0.07	1.21
39	116	335.5	5370.9	67.1	-0.15	0.31	5.12
	117	-335.5	-1448.8	189.5	0.15	-0.20	0.76
40	116	9857.6	6336.5	3357.7	0.07	-3.07	5.48
	117	-9857.6	-1345.4	-3357.7	-0.07	-2.72	1.15
41	116	-8834.5	9531.6	-3585.4	0.02	3.58	10.79
	117	8834.5	-4540.6	3585.4	-0.02	2.60	1.35
42	116	843.6	14631.5	-192.7	0.23	0.46	15.82
	117	-843.6	-6671.3	192.7	-0.23	-0.13	2.56
43	116	-1914.5	11227.5	666.9	0.10	-0.95	10.68
	117	1914.5	-3267.3	-666.9	-0.10	-0.30	1.82
44	116	-549.9	10014.3	341.8	0.28	-0.41	8.84
	117	549.9	-2054.0	-341.8	-0.28	-0.11	1.57
45	116	-2053.4	15450.4	558.3	-0.08	-0.77	17.08
	117	2053.4	-7490.2	-558.3	0.08	-0.47	2.72
46	116	-808.0	17856.8	140.0	-0.05	-0.08	20.71
	117	808.0	-9896.5	-140.0	0.05	-0.43	3.24
47	116	2237.0	19248.8	-727.2	0.19	1.34	22.80
	117	-2237.0	-11288.6	727.2	-0.19	-0.15	3.55
48	116	3601.6	18035.5	-1052.3	0.37	1.87	20.95
	117	-3601.6	-10075.3	1052.3	-0.37	0.04	3.29
49	116	2495.1	11406.3	-525.4	0.52	1.01	10.92
	117	-2495.1	-3446.1	525.4	-0.52	0.17	1.88
50	116	3740.5	13812.7	-943.6	0.54	1.69	14.55
	117	-3740.5	-5852.5	943.6	-0.54	0.21	2.39
51	116	-1742.4	5169.6	584.9	-0.06	-0.89	3.97
	117	1742.4	-178.5	-584.9	0.06	-0.20	0.65
52	116	-635.1	4197.8	321.2	0.08	-0.46	2.49
	117	635.1	793.3	-321.2	-0.08	-0.04	0.45
53	116	-1844.1	8578.6	495.7	-0.21	-0.74	9.13
	117	1844.1	-3587.5	-495.7	0.21	-0.34	1.38
54	116	-823.9	10528.8	155.6	-0.19	-0.19	12.08
	117	823.9	-5537.8	-155.6	0.19	-0.30	1.79
55	116	1658.2	11670.3	-548.8	0.01	0.97	13.78
	117	-1658.2	-6679.3	548.8	-0.01	-0.08	2.05
56	116	2765.5	10698.5	-812.5	0.16	1.40	12.30
	117	-2765.5	-5707.5	812.5	-0.16	0.08	1.84
57	116	1847.0	5339.3	-383.3	0.28	0.70	4.19
	117	-1847.0	-348.2	383.3	-0.28	0.18	0.70
58	116	2867.1	7289.5	-723.4	0.30	1.25	7.14
	117	-2867.1	-2298.5	723.4	-0.30	0.22	1.12
1	117	705.3	1446.6	-152.7	-0.13	0.08	-1.68
	118	-705.3	5177.5	152.7	0.13	0.18	-1.54
2	117	1195.0	1987.7	-280.6	-0.48	0.18	-3.65
	118	-1195.0	9090.1	280.6	0.48	0.31	-2.48
3	117	14720.3	-2032.7	-3365.4	-0.52	4.04	-3.54
	118	-14720.3	13110.5	3365.4	0.52	1.77	-9.52
4	117	15288.4	-1737.6	-2267.0	-0.69	3.58	-4.40
	118	-15288.4	14953.2	1753.9	0.69	-0.12	-9.99

	117	15240.0	-2584.4	-3144.8	-0.52	4.04	-3.42
	118	-15240.0	13662.2	3144.8	0.52	1.38	-10.60
6	117	14744.5	-2733.9	-3896.8	-0.37	4.35	-2.77
	118	-14744.5	12208.4	4281.6	0.37	2.71	-10.12
7	117	-12879.9	6598.4	2561.3	-0.44	-3.69	-3.88
	118	12879.9	4479.4	-2561.3	0.44	-0.73	5.71
8	117	-12311.8	6893.5	3659.8	-0.61	-4.14	-4.75
	118	12311.8	6322.1	-4172.8	0.61	-2.61	5.24
9	117	-12360.3	6046.6	2781.9	-0.44	-3.69	-3.76
	118	12360.3	5031.2	-2781.9	0.44	-1.11	4.63
10	117	-12855.7	5897.2	2030.0	-0.30	-3.38	-3.11
	118	12855.7	3577.3	-1645.2	0.30	0.21	5.11
11	117	14292.2	-2106.6	-3382.5	-0.34	3.99	-2.61
	118	-14292.2	10957.5	3382.5	0.34	1.85	-8.66
12	117	-13308.0	6524.5	2544.2	-0.26	-3.74	-2.95
	118	13308.0	2326.4	-2544.2	0.26	-0.65	6.57
13	117	15239.1	-1614.7	-1551.7	-0.62	3.23	-4.04
	118	-15239.1	14028.6	696.6	0.62	-1.29	-9.45
14	117	-12361.1	7016.4	4375.0	-0.54	-4.49	-4.38
	118	12361.1	5397.5	-5230.1	0.54	-3.79	5.78
15	117	15158.3	-3026.1	-3014.8	-0.34	3.99	-2.40
	118	-15158.3	11877.0	3014.8	0.34	1.21	-10.46
16	117	-12441.9	5605.0	2911.9	-0.27	-3.73	-2.74
	118	12441.9	3246.0	-2911.9	0.27	-1.29	4.77
17	117	14332.6	-3275.2	-4268.0	-0.10	4.50	-1.32
	118	-14332.6	9453.9	4909.4	0.10	3.41	-9.66
18	117	-13267.6	5355.8	1658.7	-0.02	-3.22	-1.66
	118	13267.6	822.9	-1017.3	0.02	0.92	5.57
19	117	23675.5	-5180.3	-5277.1	-0.37	6.57	-2.45
	118	-23675.5	14031.3	5277.1	0.37	2.54	-14.12
20	117	-22324.8	9204.8	4600.8	-0.24	-6.31	-3.02
	118	22324.8	-353.9	-4600.8	0.24	-1.63	11.26
21	117	24243.7	-4885.2	-4178.6	-0.54	6.11	-3.31
	118	-24243.7	15873.9	3665.5	0.54	0.65	-14.59
22	117	-21756.7	9499.9	5699.3	-0.41	-6.77	-3.88
	118	21756.7	1488.8	-6212.3	0.41	-3.51	10.79
23	117	24195.2	-5732.0	-5056.5	-0.37	6.57	-2.32
	118	-24195.2	14583.0	5056.5	0.37	2.15	-15.20
24	117	-21805.2	8653.1	4821.4	-0.24	-6.31	-2.89
	118	21805.2	197.8	-4821.4	0.24	-2.01	10.18
25	117	23699.7	-5881.5	-5808.4	-0.22	6.87	-1.68
	118	-23699.7	13129.1	6193.2	0.22	3.48	-14.72
26	117	-22300.6	8503.6	4069.5	-0.09	-6.00	-2.25
	118	22300.6	-1256.0	-3684.7	0.09	-0.69	10.66
27	117	-846.3	-1739.5	313.7	-0.27	0.19	-1.82
	118	846.3	9699.7	-313.7	0.27	-0.72	-8.05
28	117	607.2	-2863.4	1232.4	-0.33	-0.10	-1.58
	118	-607.2	10823.6	-1232.4	0.33	-2.07	-10.22
29	117	-1876.2	2215.0	-1431.7	-0.21	0.59	-2.71
	118	1876.2	5745.2	1431.7	0.21	1.97	-0.36
30	117	1116.8	2607.6	-477.9	-0.33	0.14	-2.82
	118	-1116.8	5352.6	477.9	0.33	0.68	0.45
31	117	1055.8	5812.8	-1610.9	-0.31	0.35	-3.54
	118	-1055.8	2147.4	1610.9	0.31	2.48	6.69
32	117	2509.2	4688.9	-692.2	-0.38	0.05	-3.29
	118	-2509.2	3271.3	692.2	0.38	1.13	4.52

	117	2968.6	-1531.2	1630.5	-0.43	-0.40	-1.89
	118	-2968.6	9491.4	-1630.5	0.43	-2.52	-7.59
34	117	3539.2	734.5	1053.2	-0.44	-0.35	-2.40
	118	-3539.2	7225.7	-1053.2	0.44	-1.56	-3.17
35	117	668.3	1294.3	-146.6	-0.21	0.09	-1.90
	118	-668.3	5181.3	146.6	0.21	0.16	-1.45
36	117	321.8	1310.7	-185.0	-0.09	0.06	-1.29
	118	-321.8	3680.4	185.0	0.09	0.26	-0.75
37	117	700.6	1507.4	547.3	-0.20	-0.25	-1.87
	118	-700.6	4908.8	-889.4	0.20	-0.99	-1.06
38	117	668.2	942.8	-37.9	-0.09	0.06	-1.21
	118	-668.2	4048.2	37.9	0.09	0.01	-1.47
39	117	337.9	843.2	-539.2	0.01	0.26	-0.78
	118	-337.9	3079.0	795.8	-0.01	0.89	-1.15
40	117	9705.1	-1763.1	-2079.6	-0.12	2.63	-1.14
	118	-9705.1	6754.1	2079.6	0.12	0.95	-6.21
41	117	-8695.0	3991.0	1871.6	-0.06	-2.52	-1.36
	118	8695.0	1000.1	-1871.6	0.06	-0.71	3.94
42	117	831.5	1474.7	-189.2	-0.32	0.12	-2.56
	118	-831.5	6485.5	189.2	0.32	0.21	-1.76
43	117	-902.4	-1862.7	386.8	-0.32	0.18	-1.79
	118	902.4	9822.9	-386.8	0.32	-0.83	-8.29
44	117	613.9	-3036.3	1219.9	-0.37	-0.08	-1.54
	118	-613.9	10996.5	-1219.9	0.37	-2.05	-10.56
45	117	-1988.3	2253.4	-1280.0	-0.24	0.54	-2.72
	118	1988.3	5706.8	1280.0	0.24	1.74	-0.28
46	117	-1402.9	4607.9	-1875.6	-0.23	0.58	-3.26
	118	1402.9	3352.3	1875.6	0.23	2.73	4.32
47	117	1049.1	5985.7	-1598.4	-0.28	0.33	-3.58
	118	-1049.1	1974.5	1598.4	0.28	2.46	7.03
48	117	2565.4	4812.1	-765.3	-0.33	0.07	-3.32
	118	-2565.4	3148.1	765.3	0.33	1.24	4.76
49	117	3065.8	-1658.4	1497.1	-0.42	-0.34	-1.86
	118	-3065.8	9618.6	-1497.1	0.42	-2.32	-7.85
50	117	3651.3	696.1	901.5	-0.41	-0.29	-2.39
	118	-3651.3	7264.1	-901.5	0.41	-1.33	-3.25
51	117	-899.3	-1596.7	363.4	-0.08	0.10	-0.63
	118	899.3	6587.7	-363.4	0.08	-0.72	-6.43
52	117	322.0	-2536.1	1040.3	-0.13	-0.11	-0.42
	118	-322.0	7527.1	-1040.3	0.13	-1.71	-8.25
53	117	-1768.5	1725.5	-990.6	-0.02	0.39	-1.38
	118	1768.5	3265.5	990.6	0.02	1.37	0.03
54	117	-1292.3	3633.7	-1474.1	-0.01	0.43	-1.81
	118	1292.3	1357.3	1474.1	0.01	2.17	3.76
55	117	688.1	4763.9	-1248.3	-0.05	0.23	-2.08
	118	-688.1	227.1	1248.3	0.05	1.95	5.98
56	117	1909.3	3824.5	-571.4	-0.09	0.01	-1.87
	118	-1909.3	1166.5	571.4	0.09	0.97	4.17
57	117	2302.4	-1405.8	1266.1	-0.17	-0.32	-0.69
	118	-2302.4	6396.9	-1266.1	0.17	-1.93	-6.03
58	117	2778.6	502.3	782.6	-0.16	-0.28	-1.12
	118	-2778.6	4488.7	-782.6	0.16	-1.13	-2.30
1	134	-142.2	344.8	-0.0	0.00	0.00	0.00
	135	142.2	410.6	-0.0	-0.00	0.00	0.00
2	134	-179.2	1496.8	-0.0	0.00	0.00	0.00

	135	179.2	1850.6	-0.0	-0.00	0.00	0.00
3	134	-12108.9	1496.8	-0.0	0.01	0.00	0.00
	135	12108.9	1850.6	-0.0	-0.01	0.00	0.00
4	134	-11968.4	2049.8	-132.7	0.01	0.00	0.00
	135	11968.4	2541.8	-165.9	-0.01	0.00	0.00
5	134	-11805.2	1496.8	-0.0	0.01	0.00	0.00
	135	11805.2	1850.6	-0.0	-0.01	0.00	0.00
6	134	-11931.3	1082.1	99.5	0.01	0.00	0.00
	135	11931.3	1332.2	124.4	-0.01	0.00	0.00
7	134	11426.4	1496.8	-0.0	-0.00	0.00	0.00
	135	-11426.4	1850.6	-0.0	0.00	0.00	0.00
8	134	11566.8	2049.8	-132.7	-0.00	0.00	0.00
	135	-11566.8	2541.8	-165.9	0.00	0.00	0.00
9	134	11730.0	1496.8	-0.0	-0.00	0.00	0.00
	135	-11730.0	1850.6	-0.0	0.00	0.00	0.00
10	134	11603.9	1082.1	99.5	-0.00	0.00	0.00
	135	-11603.9	1332.2	124.4	0.00	0.00	0.00
11	134	-12198.4	920.8	-0.0	0.01	0.00	0.00
	135	12198.4	1130.6	-0.0	-0.01	0.00	0.00
12	134	11336.9	920.8	-0.0	-0.00	0.00	0.00
	135	-11336.9	1130.6	-0.0	0.00	0.00	0.00
13	134	-11964.3	1842.4	-221.2	0.01	0.00	0.00
	135	11964.3	2282.6	-276.5	-0.01	0.00	0.00
14	134	11571.0	1842.4	-221.2	-0.00	0.00	0.00
	135	-11571.0	2282.6	-276.5	0.00	0.00	0.00
15	134	-11692.3	920.8	-0.0	0.01	0.00	0.00
	135	11692.3	1130.6	-0.0	-0.01	0.00	0.00
16	134	11843.0	920.8	-0.0	-0.00	0.00	0.00
	135	-11843.0	1130.6	-0.0	0.00	0.00	0.00
17	134	-11902.5	229.6	165.9	0.01	0.00	0.00
	135	11902.5	266.6	207.4	-0.01	0.00	0.00
18	134	11632.8	229.6	165.9	-0.00	0.00	0.00
	135	-11632.8	266.6	207.4	0.00	0.00	0.00
19	134	-19935.4	920.8	-0.0	0.01	0.00	0.00
	135	19935.4	1130.6	-0.0	-0.01	0.00	0.00
20	134	19290.0	920.8	-0.0	-0.01	0.00	0.00
	135	-19290.0	1130.6	-0.0	0.01	0.00	0.00
21	134	-19795.0	1473.8	-132.7	0.01	0.00	0.00
	135	19795.0	1821.8	-165.9	-0.01	0.00	0.00
22	134	19430.4	1473.8	-132.7	-0.00	0.00	0.00
	135	-19430.4	1821.8	-165.9	0.00	0.00	0.00
23	134	-19631.8	920.8	-0.0	0.01	0.00	0.00
	135	19631.8	1130.6	-0.0	-0.01	0.00	0.00
24	134	19593.6	920.8	-0.0	-0.00	0.00	0.00
	135	-19593.6	1130.6	-0.0	0.00	0.00	0.00
25	134	-19757.9	506.1	99.5	0.01	0.00	0.00
	135	19757.9	612.2	124.4	-0.01	0.00	0.00
26	134	19467.5	506.1	99.5	-0.01	0.00	0.00
	135	-19467.5	612.2	124.4	0.01	0.00	0.00
27	134	47.0	1006.2	-0.0	0.01	0.00	0.00
	135	-47.0	1242.1	-0.0	-0.01	0.00	0.00
28	134	769.8	1006.2	-0.0	0.01	0.00	0.00
	135	-769.8	1242.1	-0.0	-0.01	0.00	0.00
29	134	-1175.7	1006.2	-0.0	-0.00	0.00	0.00
	135	1175.7	1242.1	-0.0	0.00	0.00	0.00
30	134	-296.4	1006.2	-0.0	0.00	0.00	0.00

	135	296.4	1242.1	-0.0	-0.00	0.00	0.00
31	134	-1037.3	1006.2	-0.0	-0.01	0.00	0.00
	135	1037.3	1242.1	-0.0	0.01	0.00	0.00
32	134	-314.6	1006.2	-0.0	-0.00	0.00	0.00
	135	314.6	1242.1	-0.0	0.00	0.00	0.00
33	134	1233.4	1006.2	-0.0	0.01	0.00	0.00
	135	-1233.4	1242.1	-0.0	-0.01	0.00	0.00
34	134	908.1	1006.2	-0.0	0.01	0.00	0.00
	135	-908.1	1242.1	-0.0	-0.01	0.00	0.00
35	134	-121.4	622.2	-0.0	0.00	0.00	0.00
	135	121.4	762.1	-0.0	-0.00	0.00	0.00
36	134	-217.1	238.2	-0.0	0.00	0.00	0.00
	135	217.1	282.1	-0.0	-0.00	0.00	0.00
37	134	-123.4	606.9	-88.5	0.00	0.00	0.00
	135	123.4	742.9	-110.6	-0.00	0.00	0.00
38	134	-14.6	238.2	-0.0	0.00	0.00	0.00
	135	14.6	282.1	-0.0	-0.00	0.00	0.00
39	134	-98.7	-38.2	66.4	0.00	0.00	0.00
	135	98.7	-63.5	82.9	-0.00	0.00	0.00
40	134	-7954.2	238.2	-0.0	0.01	0.00	0.00
	135	7954.2	282.1	-0.0	-0.01	0.00	0.00
41	134	7736.0	238.2	-0.0	-0.00	0.00	0.00
	135	-7736.0	282.1	-0.0	0.00	0.00	0.00
42	134	-133.8	1006.2	-0.0	0.00	0.00	0.00
	135	133.8	1242.1	-0.0	-0.00	0.00	0.00
43	134	56.6	1006.2	-0.0	0.01	0.00	0.00
	135	-56.6	1242.1	-0.0	-0.01	0.00	0.00
44	134	814.7	1006.2	-0.0	0.01	0.00	0.00
	135	-814.7	1242.1	-0.0	-0.01	0.00	0.00
45	134	-1226.4	1006.2	-0.0	-0.00	0.00	0.00
	135	1226.4	1242.1	-0.0	0.00	0.00	0.00
46	134	-1568.0	1006.2	-0.0	-0.01	0.00	0.00
	135	1568.0	1242.1	-0.0	0.01	0.00	0.00
47	134	-1082.2	1006.2	-0.0	-0.01	0.00	0.00
	135	1082.2	1242.1	-0.0	0.01	0.00	0.00
48	134	-324.2	1006.2	-0.0	-0.00	0.00	0.00
	135	324.2	1242.1	-0.0	0.00	0.00	0.00
49	134	1300.5	1006.2	-0.0	0.01	0.00	0.00
	135	-1300.5	1242.1	-0.0	-0.01	0.00	0.00
50	134	958.8	1006.2	-0.0	0.01	0.00	0.00
	135	-958.8	1242.1	-0.0	-0.01	0.00	0.00
51	134	41.0	238.2	-0.0	0.01	0.00	0.00
	135	-41.0	282.1	-0.0	-0.01	0.00	0.00
52	134	649.2	238.2	-0.0	0.01	0.00	0.00
	135	-649.2	282.1	-0.0	-0.01	0.00	0.00
53	134	-986.5	238.2	-0.0	-0.00	0.00	0.00
	135	986.5	282.1	-0.0	0.00	0.00	0.00
54	134	-1259.0	238.2	-0.0	-0.01	0.00	0.00
	135	1259.0	282.1	-0.0	0.01	0.00	0.00
55	134	-867.3	238.2	-0.0	-0.01	0.00	0.00
	135	867.3	282.1	-0.0	0.01	0.00	0.00
56	134	-259.1	238.2	-0.0	-0.00	0.00	0.00
	135	259.1	282.1	-0.0	0.00	0.00	0.00
57	134	1040.9	238.2	-0.0	0.01	0.00	0.00
	135	-1040.9	282.1	-0.0	-0.01	0.00	0.00
58	134	768.4	238.2	-0.0	0.01	0.00	0.00

	135	-768.4	282.1	-0.0	-0.01	0.00	0.00
1	135	-117.5	441.6	-0.0	-0.00	0.00	0.00
	136	117.5	441.6	-0.0	0.00	0.00	0.00
2	135	-133.5	2043.2	-0.0	-0.01	0.00	0.00
	136	133.5	2043.2	-0.0	0.01	0.00	0.00
3	135	-12267.1	2043.2	-0.0	-0.02	0.00	0.00
	136	12267.1	2043.2	-0.0	0.02	0.00	0.00
4	135	-12142.8	2812.0	-184.5	-0.02	0.00	0.00
	136	12142.8	2812.0	-184.5	0.02	0.00	0.00
5	135	-11994.7	2043.2	-0.0	-0.02	0.00	0.00
	136	11994.7	2043.2	-0.0	0.02	0.00	0.00
6	135	-12108.7	1466.7	138.4	-0.01	0.00	0.00
	136	12108.7	1466.7	138.4	0.01	0.00	0.00
7	135	11709.7	2043.2	-0.0	-0.01	0.00	0.00
	136	-11709.7	2043.2	-0.0	0.01	0.00	0.00
8	135	11834.0	2812.0	-184.5	-0.01	0.00	0.00
	136	-11834.0	2812.0	-184.5	0.01	0.00	0.00
9	135	11982.1	2043.2	-0.0	-0.01	0.00	0.00
	136	-11982.1	2043.2	-0.0	0.01	0.00	0.00
10	135	11868.1	1466.7	138.4	-0.01	0.00	0.00
	136	-11868.1	1466.7	138.4	0.01	0.00	0.00
11	135	-12355.9	1242.4	-0.0	-0.01	0.00	0.00
	136	12355.9	1242.4	-0.0	0.01	0.00	0.00
12	135	11620.8	1242.4	-0.0	-0.00	0.00	0.00
	136	-11620.8	1242.4	-0.0	0.00	0.00	0.00
13	135	-12148.7	2523.7	-307.5	-0.02	0.00	0.00
	136	12148.7	2523.7	-307.5	0.02	0.00	0.00
14	135	11828.0	2523.7	-307.5	-0.01	0.00	0.00
	136	-11828.0	2523.7	-307.5	0.01	0.00	0.00
15	135	-11901.9	1242.4	-0.0	-0.01	0.00	0.00
	136	11901.9	1242.4	-0.0	0.01	0.00	0.00
16	135	12074.8	1242.4	-0.0	-0.00	0.00	0.00
	136	-12074.8	1242.4	-0.0	0.00	0.00	0.00
17	135	-12092.0	281.4	230.6	-0.01	0.00	0.00
	136	12092.0	281.4	230.6	0.01	0.00	0.00
18	135	11884.8	281.4	230.6	0.00	0.00	0.00
	136	-11884.8	281.4	230.6	-0.00	0.00	0.00
19	135	-20251.4	1242.4	-0.0	-0.02	0.00	0.00
	136	20251.4	1242.4	-0.0	0.02	0.00	0.00
20	135	19709.9	1242.4	-0.0	-0.00	0.00	0.00
	136	-19709.9	1242.4	-0.0	0.00	0.00	0.00
21	135	-20127.1	2011.2	-184.5	-0.02	0.00	0.00
	136	20127.1	2011.2	-184.5	0.02	0.00	0.00
22	135	19834.2	2011.2	-184.5	-0.01	0.00	0.00
	136	-19834.2	2011.2	-184.5	0.01	0.00	0.00
23	135	-19979.0	1242.4	-0.0	-0.02	0.00	0.00
	136	19979.0	1242.4	-0.0	0.02	0.00	0.00
24	135	19982.3	1242.4	-0.0	-0.00	0.00	0.00
	136	-19982.3	1242.4	-0.0	0.00	0.00	0.00
25	135	-20093.0	665.8	138.4	-0.01	0.00	0.00
	136	20093.0	665.8	138.4	0.01	0.00	0.00
26	135	19868.3	665.8	138.4	0.00	0.00	0.00
	136	-19868.3	665.8	138.4	-0.00	0.00	0.00
27	135	118.6	1369.9	-0.0	-0.01	0.00	0.00
	136	-118.6	1369.9	-0.0	0.01	0.00	0.00

	135	783.9	1369.9	-0.0	-0.01	0.00	0.00
	136	-783.9	1369.9	-0.0	0.01	0.00	0.00
29	135	-1044.2	1369.9	-0.0	-0.01	0.00	0.00
	136	1044.2	1369.9	-0.0	0.01	0.00	0.00
30	135	-266.5	1369.9	-0.0	-0.01	0.00	0.00
	136	266.5	1369.9	-0.0	0.01	0.00	0.00
31	135	-985.7	1369.9	-0.0	-0.01	0.00	0.00
	136	985.7	1369.9	-0.0	0.01	0.00	0.00
32	135	-320.4	1369.9	-0.0	-0.01	0.00	0.00
	136	320.4	1369.9	-0.0	0.01	0.00	0.00
33	135	1173.7	1369.9	-0.0	-0.01	0.00	0.00
	136	-1173.7	1369.9	-0.0	0.01	0.00	0.00
34	135	842.4	1369.9	-0.0	-0.01	0.00	0.00
	136	-842.4	1369.9	-0.0	0.01	0.00	0.00
35	135	-95.6	836.0	-0.0	-0.01	0.00	0.00
	136	95.6	836.0	-0.0	0.01	0.00	0.00
36	135	-187.1	302.2	-0.0	-0.00	0.00	0.00
	136	187.1	302.2	-0.0	0.00	0.00	0.00
37	135	-104.2	814.7	-123.0	-0.01	0.00	0.00
	136	104.2	814.7	-123.0	0.01	0.00	0.00
38	135	-5.5	302.2	-0.0	-0.00	0.00	0.00
	136	5.5	302.2	-0.0	0.00	0.00	0.00
39	135	-81.5	-82.2	92.3	-0.00	0.00	0.00
	136	81.5	-82.2	92.3	0.00	0.00	0.00
40	135	-8082.5	302.2	-0.0	-0.01	0.00	0.00
	136	8082.5	302.2	-0.0	0.01	0.00	0.00
41	135	7902.0	302.2	-0.0	0.00	0.00	0.00
	136	-7902.0	302.2	-0.0	-0.00	0.00	0.00
42	135	-100.9	1369.9	-0.0	-0.01	0.00	0.00
	136	100.9	1369.9	-0.0	0.01	0.00	0.00
43	135	130.8	1369.9	-0.0	-0.01	0.00	0.00
	136	-130.8	1369.9	-0.0	0.01	0.00	0.00
44	135	829.4	1369.9	-0.0	-0.01	0.00	0.00
	136	-829.4	1369.9	-0.0	0.01	0.00	0.00
45	135	-1090.9	1369.9	-0.0	-0.01	0.00	0.00
	136	1090.9	1369.9	-0.0	0.01	0.00	0.00
46	135	-1439.5	1369.9	-0.0	-0.01	0.00	0.00
	136	1439.5	1369.9	-0.0	0.01	0.00	0.00
47	135	-1031.1	1369.9	-0.0	-0.01	0.00	0.00
	136	1031.1	1369.9	-0.0	0.01	0.00	0.00
48	135	-332.6	1369.9	-0.0	-0.01	0.00	0.00
	136	332.6	1369.9	-0.0	0.01	0.00	0.00
49	135	1237.7	1369.9	-0.0	-0.01	0.00	0.00
	136	-1237.7	1369.9	-0.0	0.01	0.00	0.00
50	135	889.1	1369.9	-0.0	-0.01	0.00	0.00
	136	-889.1	1369.9	-0.0	0.01	0.00	0.00
51	135	93.3	302.2	-0.0	-0.00	0.00	0.00
	136	-93.3	302.2	-0.0	0.00	0.00	0.00
52	135	653.5	302.2	-0.0	-0.00	0.00	0.00
	136	-653.5	302.2	-0.0	0.00	0.00	0.00
53	135	-884.7	302.2	-0.0	-0.00	0.00	0.00
	136	884.7	302.2	-0.0	0.00	0.00	0.00
54	135	-1162.9	302.2	-0.0	0.00	0.00	0.00
	136	1162.9	302.2	-0.0	-0.00	0.00	0.00
55	135	-834.0	302.2	-0.0	-0.00	0.00	0.00
	136	834.0	302.2	-0.0	0.00	0.00	0.00

	135	-273.9	302.2	-0.0	-0.00	0.00	0.00
	136	273.9	302.2	-0.0	0.00	0.00	0.00
57	135	982.4	302.2	-0.0	-0.01	0.00	0.00
	136	-982.4	302.2	-0.0	0.01	0.00	0.00
58	135	704.2	302.2	-0.0	-0.01	0.00	0.00
	136	-704.2	302.2	-0.0	0.01	0.00	0.00
1	136	-108.8	441.9	-0.0	-0.00	0.00	0.00
	137	108.8	441.9	-0.0	0.00	0.00	0.00
2	136	-116.3	2044.6	-0.0	-0.00	0.00	0.00
	137	116.3	2044.6	-0.0	0.00	0.00	0.00
3	136	-12350.2	2044.6	-0.0	0.00	0.00	0.00
	137	12350.2	2044.6	-0.0	-0.00	0.00	0.00
4	136	-12229.0	2813.9	-184.6	0.00	0.00	0.00
	137	12229.0	2813.9	-184.6	-0.00	0.00	0.00
5	136	-12080.3	2044.6	-0.0	0.00	0.00	0.00
	137	12080.3	2044.6	-0.0	-0.00	0.00	0.00
6	136	-12183.6	1467.6	138.5	0.00	0.00	0.00
	137	12183.6	1467.6	138.5	-0.00	0.00	0.00
7	136	11829.3	2044.6	-0.0	-0.00	0.00	0.00
	137	-11829.3	2044.6	-0.0	0.00	0.00	0.00
8	136	11950.5	2813.9	-184.6	-0.00	0.00	0.00
	137	-11950.5	2813.9	-184.6	0.00	0.00	0.00
9	136	12099.3	2044.6	-0.0	-0.00	0.00	0.00
	137	-12099.3	2044.6	-0.0	0.00	0.00	0.00
10	136	11995.9	1467.6	138.5	-0.00	0.00	0.00
	137	-11995.9	1467.6	138.5	0.00	0.00	0.00
11	136	-12442.6	1243.3	-0.0	0.00	0.00	0.00
	137	12442.6	1243.3	-0.0	-0.00	0.00	0.00
12	136	11736.9	1243.3	-0.0	-0.00	0.00	0.00
	137	-11736.9	1243.3	-0.0	0.00	0.00	0.00
13	136	-12240.7	2525.4	-307.7	-0.00	0.00	0.00
	137	12240.7	2525.4	-307.7	0.00	0.00	0.00
14	136	11938.9	2525.4	-307.7	-0.00	0.00	0.00
	137	-11938.9	2525.4	-307.7	0.00	0.00	0.00
15	136	-11992.7	1243.3	-0.0	0.00	0.00	0.00
	137	11992.7	1243.3	-0.0	-0.00	0.00	0.00
16	136	12186.8	1243.3	-0.0	-0.00	0.00	0.00
	137	-12186.8	1243.3	-0.0	0.00	0.00	0.00
17	136	-12164.9	281.6	230.8	0.00	0.00	0.00
	137	12164.9	281.6	230.8	-0.00	0.00	0.00
18	136	12014.6	281.6	230.8	-0.00	0.00	0.00
	137	-12014.6	281.6	230.8	0.00	0.00	0.00
19	136	-20406.3	1243.3	-0.0	0.00	0.00	0.00
	137	20406.3	1243.3	-0.0	-0.00	0.00	0.00
20	136	19892.9	1243.3	-0.0	-0.00	0.00	0.00
	137	-19892.9	1243.3	-0.0	0.00	0.00	0.00
21	136	-20285.1	2012.6	-184.6	0.00	0.00	0.00
	137	20285.1	2012.6	-184.6	-0.00	0.00	0.00
22	136	20014.1	2012.6	-184.6	-0.00	0.00	0.00
	137	-20014.1	2012.6	-184.6	0.00	0.00	0.00
23	136	-20136.4	1243.3	-0.0	0.00	0.00	0.00
	137	20136.4	1243.3	-0.0	-0.00	0.00	0.00
24	136	20162.8	1243.3	-0.0	-0.00	0.00	0.00
	137	-20162.8	1243.3	-0.0	0.00	0.00	0.00
25	136	-20239.7	666.3	138.5	0.00	0.00	0.00

	137	20239.7	666.3	138.5	-0.00	0.00	0.00
26	136	20059.5	666.3	138.5	-0.00	0.00	0.00
	137	-20059.5	666.3	138.5	0.00	0.00	0.00
27	136	228.5	1370.8	-0.0	0.00	0.00	0.00
	137	-228.5	1370.8	-0.0	-0.00	0.00	0.00
28	136	830.1	1370.8	-0.0	0.00	0.00	0.00
	137	-830.1	1370.8	-0.0	-0.00	0.00	0.00
29	136	-905.9	1370.8	-0.0	0.00	0.00	0.00
	137	905.9	1370.8	-0.0	-0.00	0.00	0.00
30	136	-273.8	1370.8	-0.0	-0.00	0.00	0.00
	137	273.8	1370.8	-0.0	0.00	0.00	0.00
31	136	-1007.1	1370.8	-0.0	-0.00	0.00	0.00
	137	1007.1	1370.8	-0.0	0.00	0.00	0.00
32	136	-405.5	1370.8	-0.0	-0.00	0.00	0.00
	137	405.5	1370.8	-0.0	0.00	0.00	0.00
33	136	1099.6	1370.8	-0.0	-0.00	0.00	0.00
	137	-1099.6	1370.8	-0.0	0.00	0.00	0.00
34	136	728.9	1370.8	-0.0	-0.00	0.00	0.00
	137	-728.9	1370.8	-0.0	0.00	0.00	0.00
35	136	-86.0	836.6	-0.0	-0.00	0.00	0.00
	137	86.0	836.6	-0.0	0.00	0.00	0.00
36	136	-179.7	302.4	-0.0	-0.00	0.00	0.00
	137	179.7	302.4	-0.0	0.00	0.00	0.00
37	136	-98.9	815.2	-123.1	-0.00	0.00	0.00
	137	98.9	815.2	-123.1	0.00	0.00	0.00
38	136	0.3	302.4	-0.0	-0.00	0.00	0.00
	137	-0.3	302.4	-0.0	0.00	0.00	0.00
39	136	-68.6	-82.3	92.3	-0.00	0.00	0.00
	137	68.6	-82.3	92.3	0.00	0.00	0.00
40	136	-8143.4	302.4	-0.0	0.00	0.00	0.00
	137	8143.4	302.4	-0.0	-0.00	0.00	0.00
41	136	7976.3	302.4	-0.0	-0.00	0.00	0.00
	137	-7976.3	302.4	-0.0	0.00	0.00	0.00
42	136	-88.5	1370.8	-0.0	-0.00	0.00	0.00
	137	88.5	1370.8	-0.0	0.00	0.00	0.00
43	136	244.9	1370.8	-0.0	0.00	0.00	0.00
	137	-244.9	1370.8	-0.0	-0.00	0.00	0.00
44	136	877.6	1370.8	-0.0	0.00	0.00	0.00
	137	-877.6	1370.8	-0.0	-0.00	0.00	0.00
45	136	-948.1	1370.8	-0.0	0.00	0.00	0.00
	137	948.1	1370.8	-0.0	-0.00	0.00	0.00
46	136	-1337.9	1370.8	-0.0	0.00	0.00	0.00
	137	1337.9	1370.8	-0.0	-0.00	0.00	0.00
47	136	-1054.6	1370.8	-0.0	-0.00	0.00	0.00
	137	1054.6	1370.8	-0.0	0.00	0.00	0.00
48	136	-421.9	1370.8	-0.0	-0.00	0.00	0.00
	137	421.9	1370.8	-0.0	0.00	0.00	0.00
49	136	1160.9	1370.8	-0.0	-0.00	0.00	0.00
	137	-1160.9	1370.8	-0.0	0.00	0.00	0.00
50	136	771.1	1370.8	-0.0	-0.00	0.00	0.00
	137	-771.1	1370.8	-0.0	0.00	0.00	0.00
51	136	183.1	302.4	-0.0	0.00	0.00	0.00
	137	-183.1	302.4	-0.0	-0.00	0.00	0.00
52	136	689.8	302.4	-0.0	0.00	0.00	0.00
	137	-689.8	302.4	-0.0	-0.00	0.00	0.00
53	136	-772.0	302.4	-0.0	0.00	0.00	0.00

	137	772.0	302.4	-0.0	-0.00	0.00	0.00
54	136	-1084.0	302.4	-0.0	0.00	0.00	0.00
	137	1084.0	302.4	-0.0	-0.00	0.00	0.00
55	136	-856.8	302.4	-0.0	-0.00	0.00	0.00
	137	856.8	302.4	-0.0	0.00	0.00	0.00
56	136	-350.1	302.4	-0.0	-0.00	0.00	0.00
	137	350.1	302.4	-0.0	0.00	0.00	0.00
57	136	917.0	302.4	-0.0	-0.00	0.00	0.00
	137	-917.0	302.4	-0.0	0.00	0.00	0.00
58	136	605.0	302.4	-0.0	-0.00	0.00	0.00
	137	-605.0	302.4	-0.0	0.00	0.00	0.00
1	137	-110.5	441.6	-0.0	0.00	0.00	0.00
	138	110.5	441.6	-0.0	-0.00	0.00	0.00
2	137	-117.7	2043.2	-0.0	0.01	0.00	0.00
	138	117.7	2043.2	-0.0	-0.01	0.00	0.00
3	137	-12332.8	2043.2	-0.0	0.01	0.00	0.00
	138	12332.8	2043.2	-0.0	-0.01	0.00	0.00
4	137	-12210.4	2812.0	-184.5	0.02	0.00	0.00
	138	12210.4	2812.0	-184.5	-0.02	0.00	0.00
5	137	-12066.0	2043.2	-0.0	0.01	0.00	0.00
	138	12066.0	2043.2	-0.0	-0.01	0.00	0.00
6	137	-12170.9	1466.7	138.4	0.01	0.00	0.00
	138	12170.9	1466.7	138.4	-0.01	0.00	0.00
7	137	11812.0	2043.2	-0.0	0.01	0.00	0.00
	138	-11812.0	2043.2	-0.0	-0.01	0.00	0.00
8	137	11934.4	2812.0	-184.5	0.02	0.00	0.00
	138	-11934.4	2812.0	-184.5	-0.02	0.00	0.00
9	137	12078.7	2043.2	-0.0	0.01	0.00	0.00
	138	-12078.7	2043.2	-0.0	-0.01	0.00	0.00
10	137	11973.9	1466.7	138.4	0.01	0.00	0.00
	138	-11973.9	1466.7	138.4	-0.01	0.00	0.00
11	137	-12424.4	1242.4	-0.0	0.01	0.00	0.00
	138	12424.4	1242.4	-0.0	-0.01	0.00	0.00
12	137	11720.4	1242.4	-0.0	0.01	0.00	0.00
	138	-11720.4	1242.4	-0.0	-0.01	0.00	0.00
13	137	-12220.4	2523.7	-307.5	0.02	0.00	0.00
	138	12220.4	2523.7	-307.5	-0.02	0.00	0.00
14	137	11924.4	2523.7	-307.5	0.02	0.00	0.00
	138	-11924.4	2523.7	-307.5	-0.02	0.00	0.00
15	137	-11979.8	1242.4	-0.0	0.01	0.00	0.00
	138	11979.8	1242.4	-0.0	-0.01	0.00	0.00
16	137	12165.0	1242.4	-0.0	0.01	0.00	0.00
	138	-12165.0	1242.4	-0.0	-0.01	0.00	0.00
17	137	-12154.5	281.4	230.6	0.00	0.00	0.00
	138	12154.5	281.4	230.6	-0.00	0.00	0.00
18	137	11990.3	281.4	230.6	-0.00	0.00	0.00
	138	-11990.3	281.4	230.6	0.00	0.00	0.00
19	137	-20377.5	1242.4	-0.0	0.01	0.00	0.00
	138	20377.5	1242.4	-0.0	-0.01	0.00	0.00
20	137	19863.8	1242.4	-0.0	0.01	0.00	0.00
	138	-19863.8	1242.4	-0.0	-0.01	0.00	0.00
21	137	-20255.1	2011.2	-184.5	0.02	0.00	0.00
	138	20255.1	2011.2	-184.5	-0.02	0.00	0.00
22	137	19986.2	2011.2	-184.5	0.01	0.00	0.00
	138	-19986.2	2011.2	-184.5	-0.01	0.00	0.00

	137	-20110.7	1242.4	-0.0	0.01	0.00	0.00
	138	20110.7	1242.4	-0.0	-0.01	0.00	0.00
24	137	20130.5	1242.4	-0.0	0.01	0.00	0.00
	138	-20130.5	1242.4	-0.0	-0.01	0.00	0.00
25	137	-20215.6	665.8	138.4	0.01	0.00	0.00
	138	20215.6	665.8	138.4	-0.01	0.00	0.00
26	137	20025.7	665.8	138.4	0.00	0.00	0.00
	138	-20025.7	665.8	138.4	-0.00	0.00	0.00
27	137	332.1	1369.9	-0.0	0.01	0.00	0.00
	138	-332.1	1369.9	-0.0	-0.01	0.00	0.00
28	137	883.9	1369.9	-0.0	0.01	0.00	0.00
	138	-883.9	1369.9	-0.0	-0.01	0.00	0.00
29	137	-799.8	1369.9	-0.0	0.01	0.00	0.00
	138	799.8	1369.9	-0.0	-0.01	0.00	0.00
30	137	-298.7	1369.9	-0.0	0.01	0.00	0.00
	138	298.7	1369.9	-0.0	-0.01	0.00	0.00
31	137	-1062.8	1369.9	-0.0	0.01	0.00	0.00
	138	1062.8	1369.9	-0.0	-0.01	0.00	0.00
32	137	-511.0	1369.9	-0.0	0.01	0.00	0.00
	138	511.0	1369.9	-0.0	-0.01	0.00	0.00
33	137	1039.5	1369.9	-0.0	0.01	0.00	0.00
	138	-1039.5	1369.9	-0.0	-0.01	0.00	0.00
34	137	621.0	1369.9	-0.0	0.01	0.00	0.00
	138	-621.0	1369.9	-0.0	-0.01	0.00	0.00
35	137	-87.0	836.0	-0.0	0.01	0.00	0.00
	138	87.0	836.0	-0.0	-0.01	0.00	0.00
36	137	-179.8	302.2	-0.0	0.00	0.00	0.00
	138	179.8	302.2	-0.0	-0.00	0.00	0.00
37	137	-98.2	814.7	-123.0	0.01	0.00	0.00
	138	98.2	814.7	-123.0	-0.01	0.00	0.00
38	137	-2.0	302.2	-0.0	0.00	0.00	0.00
	138	2.0	302.2	-0.0	-0.00	0.00	0.00
39	137	-71.9	-82.2	92.3	-0.00	0.00	0.00
	138	71.9	-82.2	92.3	0.00	0.00	0.00
40	137	-8132.9	302.2	-0.0	0.00	0.00	0.00
	138	8132.9	302.2	-0.0	-0.00	0.00	0.00
41	137	7963.6	302.2	-0.0	0.00	0.00	0.00
	138	-7963.6	302.2	-0.0	-0.00	0.00	0.00
42	137	-89.4	1369.9	-0.0	0.01	0.00	0.00
	138	89.4	1369.9	-0.0	-0.01	0.00	0.00
43	137	352.2	1369.9	-0.0	0.01	0.00	0.00
	138	-352.2	1369.9	-0.0	-0.01	0.00	0.00
44	137	933.2	1369.9	-0.0	0.01	0.00	0.00
	138	-933.2	1369.9	-0.0	-0.01	0.00	0.00
45	137	-838.3	1369.9	-0.0	0.01	0.00	0.00
	138	838.3	1369.9	-0.0	-0.01	0.00	0.00
46	137	-1277.5	1369.9	-0.0	0.01	0.00	0.00
	138	1277.5	1369.9	-0.0	-0.01	0.00	0.00
47	137	-1112.1	1369.9	-0.0	0.01	0.00	0.00
	138	1112.1	1369.9	-0.0	-0.01	0.00	0.00
48	137	-531.0	1369.9	-0.0	0.01	0.00	0.00
	138	531.0	1369.9	-0.0	-0.01	0.00	0.00
49	137	1098.7	1369.9	-0.0	0.01	0.00	0.00
	138	-1098.7	1369.9	-0.0	-0.01	0.00	0.00
50	137	659.4	1369.9	-0.0	0.01	0.00	0.00
	138	-659.4	1369.9	-0.0	-0.01	0.00	0.00

	137	270.4	302.2	-0.0	0.00	0.00	0.00
	138	-270.4	302.2	-0.0	-0.00	0.00	0.00
52	137	735.3	302.2	-0.0	0.00	0.00	0.00
	138	-735.3	302.2	-0.0	-0.00	0.00	0.00
53	137	-683.2	302.2	-0.0	0.00	0.00	0.00
	138	683.2	302.2	-0.0	-0.00	0.00	0.00
54	137	-1035.7	302.2	-0.0	0.00	0.00	0.00
	138	1035.7	302.2	-0.0	-0.00	0.00	0.00
55	137	-904.6	302.2	-0.0	0.00	0.00	0.00
	138	904.6	302.2	-0.0	-0.00	0.00	0.00
56	137	-439.7	302.2	-0.0	0.00	0.00	0.00
	138	439.7	302.2	-0.0	-0.00	0.00	0.00
57	137	866.4	302.2	-0.0	0.00	0.00	0.00
	138	-866.4	302.2	-0.0	-0.00	0.00	0.00
58	137	513.9	302.2	-0.0	0.00	0.00	0.00
	138	-513.9	302.2	-0.0	-0.00	0.00	0.00
1	138	-40.3	416.9	-0.0	-0.00	0.00	0.00
	139	40.3	416.9	-0.0	0.00	0.00	0.00
2	138	-66.5	1928.9	-0.0	-0.02	0.00	0.00
	139	66.5	1928.9	-0.0	0.02	0.00	0.00
3	138	-11640.3	1928.9	-0.0	-0.02	0.00	0.00
	139	11640.3	1928.9	-0.0	0.02	0.00	0.00
4	138	-11584.8	2654.6	-174.2	-0.02	0.00	0.00
	139	11584.8	2654.6	-174.2	0.02	0.00	0.00
5	138	-11567.8	1928.9	-0.0	-0.02	0.00	0.00
	139	11567.8	1928.9	-0.0	0.02	0.00	0.00
6	138	-11608.3	1384.6	130.6	-0.01	0.00	0.00
	139	11608.3	1384.6	130.6	0.01	0.00	0.00
7	138	11434.3	1928.9	-0.0	-0.01	0.00	0.00
	139	-11434.3	1928.9	-0.0	0.01	0.00	0.00
8	138	11489.8	2654.6	-174.2	-0.02	0.00	0.00
	139	-11489.8	2654.6	-174.2	0.02	0.00	0.00
9	138	11506.8	1928.9	-0.0	-0.01	0.00	0.00
	139	-11506.8	1928.9	-0.0	0.01	0.00	0.00
10	138	11466.2	1384.6	130.6	-0.01	0.00	0.00
	139	-11466.2	1384.6	130.6	0.01	0.00	0.00
11	138	-11651.6	1172.9	-0.0	-0.01	0.00	0.00
	139	11651.6	1172.9	-0.0	0.01	0.00	0.00
12	138	11423.0	1172.9	-0.0	-0.01	0.00	0.00
	139	-11423.0	1172.9	-0.0	0.01	0.00	0.00
13	138	-11559.1	2382.5	-290.3	-0.02	0.00	0.00
	139	11559.1	2382.5	-290.3	0.02	0.00	0.00
14	138	11515.4	2382.5	-290.3	-0.02	0.00	0.00
	139	-11515.4	2382.5	-290.3	0.02	0.00	0.00
15	138	-11530.8	1172.9	-0.0	-0.01	0.00	0.00
	139	11530.8	1172.9	-0.0	0.01	0.00	0.00
16	138	11543.8	1172.9	-0.0	-0.01	0.00	0.00
	139	-11543.8	1172.9	-0.0	0.01	0.00	0.00
17	138	-11598.3	265.7	217.7	-0.00	0.00	0.00
	139	11598.3	265.7	217.7	0.00	0.00	0.00
18	138	11476.3	265.7	217.7	-0.00	0.00	0.00
	139	-11476.3	265.7	217.7	0.00	0.00	0.00
19	138	-19318.8	1172.9	-0.0	-0.01	0.00	0.00
	139	19318.8	1172.9	-0.0	0.01	0.00	0.00
20	138	19138.9	1172.9	-0.0	-0.01	0.00	0.00

	139	-19138.9	1172.9	-0.0	0.01	0.00	0.00
21	138	-19263.3	1898.6	-174.2	-0.02	0.00	0.00
	139	19263.3	1898.6	-174.2	0.02	0.00	0.00
22	138	19194.4	1898.6	-174.2	-0.01	0.00	0.00
	139	-19194.4	1898.6	-174.2	0.01	0.00	0.00
23	138	-19246.3	1172.9	-0.0	-0.01	0.00	0.00
	139	19246.3	1172.9	-0.0	0.01	0.00	0.00
24	138	19211.4	1172.9	-0.0	-0.01	0.00	0.00
	139	-19211.4	1172.9	-0.0	0.01	0.00	0.00
25	138	-19286.8	628.6	130.6	-0.01	0.00	0.00
	139	19286.8	628.6	130.6	0.01	0.00	0.00
26	138	19170.8	628.6	130.6	-0.01	0.00	0.00
	139	-19170.8	628.6	130.6	0.01	0.00	0.00
27	138	-415.1	1293.2	-0.0	-0.01	0.00	0.00
	139	415.1	1293.2	-0.0	0.01	0.00	0.00
28	138	-129.6	1293.2	-0.0	-0.01	0.00	0.00
	139	129.6	1293.2	-0.0	0.01	0.00	0.00
29	138	-591.4	1293.2	-0.0	-0.01	0.00	0.00
	139	591.4	1293.2	-0.0	0.01	0.00	0.00
30	138	18.8	1293.2	-0.0	-0.01	0.00	0.00
	139	-18.8	1293.2	-0.0	0.01	0.00	0.00
31	138	32.8	1293.2	-0.0	-0.01	0.00	0.00
	139	-32.8	1293.2	-0.0	0.01	0.00	0.00
32	138	318.2	1293.2	-0.0	-0.01	0.00	0.00
	139	-318.2	1293.2	-0.0	0.01	0.00	0.00
33	138	360.2	1293.2	-0.0	-0.01	0.00	0.00
	139	-360.2	1293.2	-0.0	0.01	0.00	0.00
34	138	494.6	1293.2	-0.0	-0.01	0.00	0.00
	139	-494.6	1293.2	-0.0	0.01	0.00	0.00
35	138	-39.7	789.2	-0.0	-0.01	0.00	0.00
	139	39.7	789.2	-0.0	0.01	0.00	0.00
36	138	-55.4	285.2	-0.0	-0.00	0.00	0.00
	139	55.4	285.2	-0.0	0.00	0.00	0.00
37	138	-18.4	769.1	-116.1	-0.01	0.00	0.00
	139	18.4	769.1	-116.1	0.01	0.00	0.00
38	138	-7.0	285.2	-0.0	-0.00	0.00	0.00
	139	7.0	285.2	-0.0	0.00	0.00	0.00
39	138	-34.0	-77.6	87.1	-0.00	0.00	0.00
	139	34.0	-77.6	87.1	0.00	0.00	0.00
40	138	-7722.5	285.2	-0.0	-0.00	0.00	0.00
	139	7722.5	285.2	-0.0	0.00	0.00	0.00
41	138	7660.5	285.2	-0.0	-0.00	0.00	0.00
	139	-7660.5	285.2	-0.0	0.00	0.00	0.00
42	138	-48.4	1293.2	-0.0	-0.01	0.00	0.00
	139	48.4	1293.2	-0.0	0.01	0.00	0.00
43	138	-422.0	1293.2	-0.0	-0.01	0.00	0.00
	139	422.0	1293.2	-0.0	0.01	0.00	0.00
44	138	-127.8	1293.2	-0.0	-0.01	0.00	0.00
	139	127.8	1293.2	-0.0	0.01	0.00	0.00
45	138	-606.7	1293.2	-0.0	-0.01	0.00	0.00
	139	606.7	1293.2	-0.0	0.01	0.00	0.00
46	138	-470.8	1293.2	-0.0	-0.01	0.00	0.00
	139	470.8	1293.2	-0.0	0.01	0.00	0.00
47	138	31.0	1293.2	-0.0	-0.01	0.00	0.00
	139	-31.0	1293.2	-0.0	0.01	0.00	0.00
48	138	325.2	1293.2	-0.0	-0.01	0.00	0.00

	139	-325.2	1293.2	-0.0	0.01	0.00	0.00
49	138	374.0	1293.2	-0.0	-0.01	0.00	0.00
	139	-374.0	1293.2	-0.0	0.01	0.00	0.00
50	138	509.9	1293.2	-0.0	-0.01	0.00	0.00
	139	-509.9	1293.2	-0.0	0.01	0.00	0.00
51	138	-335.0	285.2	-0.0	-0.00	0.00	0.00
	139	335.0	285.2	-0.0	0.00	0.00	0.00
52	138	-97.6	285.2	-0.0	-0.00	0.00	0.00
	139	97.6	285.2	-0.0	0.00	0.00	0.00
53	138	-482.3	285.2	-0.0	-0.00	0.00	0.00
	139	482.3	285.2	-0.0	0.00	0.00	0.00
54	138	-371.1	285.2	-0.0	-0.00	0.00	0.00
	139	371.1	285.2	-0.0	0.00	0.00	0.00
55	138	35.7	285.2	-0.0	-0.00	0.00	0.00
	139	-35.7	285.2	-0.0	0.00	0.00	0.00
56	138	273.1	285.2	-0.0	-0.00	0.00	0.00
	139	-273.1	285.2	-0.0	0.00	0.00	0.00
57	138	309.1	285.2	-0.0	-0.01	0.00	0.00
	139	-309.1	285.2	-0.0	0.01	0.00	0.00
58	138	420.3	285.2	-0.0	-0.00	0.00	0.00
	139	-420.3	285.2	-0.0	0.00	0.00	0.00
1	139	-42.7	416.9	-0.0	-0.00	0.00	0.00
	140	42.7	416.9	-0.0	0.00	0.00	0.00
2	139	-70.0	1928.9	-0.0	-0.00	0.00	0.00
	140	70.0	1928.9	-0.0	0.00	0.00	0.00
3	139	-11878.8	1928.9	-0.0	-0.00	0.00	0.00
	140	11878.8	1928.9	-0.0	0.00	0.00	0.00
4	139	-11831.9	2654.6	-174.2	-0.00	0.00	0.00
	140	11831.9	2654.6	-174.2	0.00	0.00	0.00
5	139	-11804.7	1928.9	-0.0	-0.00	0.00	0.00
	140	11804.7	1928.9	-0.0	0.00	0.00	0.00
6	139	-11837.4	1384.6	130.6	-0.00	0.00	0.00
	140	11837.4	1384.6	130.6	0.00	0.00	0.00
7	139	11663.6	1928.9	-0.0	-0.00	0.00	0.00
	140	-11663.6	1928.9	-0.0	0.00	0.00	0.00
8	139	11710.5	2654.6	-174.2	-0.00	0.00	0.00
	140	-11710.5	2654.6	-174.2	0.00	0.00	0.00
9	139	11737.7	1928.9	-0.0	-0.00	0.00	0.00
	140	-11737.7	1928.9	-0.0	0.00	0.00	0.00
10	139	11705.0	1384.6	130.6	-0.00	0.00	0.00
	140	-11705.0	1384.6	130.6	0.00	0.00	0.00
11	139	-11890.2	1172.9	-0.0	-0.00	0.00	0.00
	140	11890.2	1172.9	-0.0	0.00	0.00	0.00
12	139	11652.2	1172.9	-0.0	-0.00	0.00	0.00
	140	-11652.2	1172.9	-0.0	0.00	0.00	0.00
13	139	-11812.1	2382.5	-290.3	-0.00	0.00	0.00
	140	11812.1	2382.5	-290.3	0.00	0.00	0.00
14	139	11730.4	2382.5	-290.3	-0.00	0.00	0.00
	140	-11730.4	2382.5	-290.3	0.00	0.00	0.00
15	139	-11766.8	1172.9	-0.0	-0.00	0.00	0.00
	140	11766.8	1172.9	-0.0	0.00	0.00	0.00
16	139	11775.6	1172.9	-0.0	0.00	0.00	0.00
	140	-11775.6	1172.9	-0.0	-0.00	0.00	0.00
17	139	-11821.3	265.7	217.7	-0.00	0.00	0.00
	140	11821.3	265.7	217.7	0.00	0.00	0.00

	139	11721.1	265.7	217.7	0.00	0.00	0.00
	140	-11721.1	265.7	217.7	-0.00	0.00	0.00
19	139	-19712.6	1172.9	-0.0	-0.00	0.00	0.00
	140	19712.6	1172.9	-0.0	0.00	0.00	0.00
20	139	19524.8	1172.9	-0.0	0.00	0.00	0.00
	140	-19524.8	1172.9	-0.0	-0.00	0.00	0.00
21	139	-19665.7	1898.6	-174.2	-0.00	0.00	0.00
	140	19665.7	1898.6	-174.2	0.00	0.00	0.00
22	139	19571.7	1898.6	-174.2	-0.00	0.00	0.00
	140	-19571.7	1898.6	-174.2	0.00	0.00	0.00
23	139	-19638.6	1172.9	-0.0	-0.00	0.00	0.00
	140	19638.6	1172.9	-0.0	0.00	0.00	0.00
24	139	19598.8	1172.9	-0.0	0.00	0.00	0.00
	140	-19598.8	1172.9	-0.0	-0.00	0.00	0.00
25	139	-19671.3	628.6	130.6	-0.00	0.00	0.00
	140	19671.3	628.6	130.6	0.00	0.00	0.00
26	139	19566.1	628.6	130.6	0.00	0.00	0.00
	140	-19566.1	628.6	130.6	-0.00	0.00	0.00
27	139	-316.7	1293.2	-0.0	0.00	0.00	0.00
	140	316.7	1293.2	-0.0	-0.00	0.00	0.00
28	139	-77.9	1293.2	-0.0	0.00	0.00	0.00
	140	77.9	1293.2	-0.0	-0.00	0.00	0.00
29	139	-492.8	1293.2	-0.0	0.00	0.00	0.00
	140	492.8	1293.2	-0.0	-0.00	0.00	0.00
30	139	-7.1	1293.2	-0.0	-0.00	0.00	0.00
	140	7.1	1293.2	-0.0	0.00	0.00	0.00
31	139	-24.0	1293.2	-0.0	-0.00	0.00	0.00
	140	24.0	1293.2	-0.0	0.00	0.00	0.00
32	139	214.7	1293.2	-0.0	-0.00	0.00	0.00
	140	-214.7	1293.2	-0.0	0.00	0.00	0.00
33	139	303.1	1293.2	-0.0	-0.00	0.00	0.00
	140	-303.1	1293.2	-0.0	0.00	0.00	0.00
34	139	390.9	1293.2	-0.0	-0.00	0.00	0.00
	140	-390.9	1293.2	-0.0	0.00	0.00	0.00
35	139	-41.9	789.2	-0.0	-0.00	0.00	0.00
	140	41.9	789.2	-0.0	0.00	0.00	0.00
36	139	-57.9	285.2	-0.0	-0.00	0.00	0.00
	140	57.9	285.2	-0.0	0.00	0.00	0.00
37	139	-26.6	769.1	-116.1	-0.00	0.00	0.00
	140	26.6	769.1	-116.1	0.00	0.00	0.00
38	139	-8.5	285.2	-0.0	-0.00	0.00	0.00
	140	8.5	285.2	-0.0	0.00	0.00	0.00
39	139	-30.3	-77.6	87.1	-0.00	0.00	0.00
	140	30.3	-77.6	87.1	0.00	0.00	0.00
40	139	-7880.3	285.2	-0.0	-0.00	0.00	0.00
	140	7880.3	285.2	-0.0	0.00	0.00	0.00
41	139	7814.7	285.2	-0.0	0.00	0.00	0.00
	140	-7814.7	285.2	-0.0	-0.00	0.00	0.00
42	139	-51.0	1293.2	-0.0	-0.00	0.00	0.00
	140	51.0	1293.2	-0.0	0.00	0.00	0.00
43	139	-324.6	1293.2	-0.0	0.00	0.00	0.00
	140	324.6	1293.2	-0.0	-0.00	0.00	0.00
44	139	-77.5	1293.2	-0.0	0.00	0.00	0.00
	140	77.5	1293.2	-0.0	-0.00	0.00	0.00
45	139	-507.8	1293.2	-0.0	0.00	0.00	0.00
	140	507.8	1293.2	-0.0	-0.00	0.00	0.00

	139	-417.8	1293.2	-0.0	-0.00	0.00	0.00
	140	417.8	1293.2	-0.0	0.00	0.00	0.00
47	139	-24.4	1293.2	-0.0	-0.00	0.00	0.00
	140	24.4	1293.2	-0.0	0.00	0.00	0.00
48	139	222.7	1293.2	-0.0	-0.00	0.00	0.00
	140	-222.7	1293.2	-0.0	0.00	0.00	0.00
49	139	315.9	1293.2	-0.0	-0.00	0.00	0.00
	140	-315.9	1293.2	-0.0	0.00	0.00	0.00
50	139	405.9	1293.2	-0.0	-0.00	0.00	0.00
	140	-405.9	1293.2	-0.0	0.00	0.00	0.00
51	139	-253.5	285.2	-0.0	0.00	0.00	0.00
	140	253.5	285.2	-0.0	-0.00	0.00	0.00
52	139	-54.6	285.2	-0.0	0.00	0.00	0.00
	140	54.6	285.2	-0.0	-0.00	0.00	0.00
53	139	-400.7	285.2	-0.0	0.00	0.00	0.00
	140	400.7	285.2	-0.0	-0.00	0.00	0.00
54	139	-327.9	285.2	-0.0	-0.00	0.00	0.00
	140	327.9	285.2	-0.0	0.00	0.00	0.00
55	139	-11.0	285.2	-0.0	-0.00	0.00	0.00
	140	11.0	285.2	-0.0	0.00	0.00	0.00
56	139	187.9	285.2	-0.0	-0.00	0.00	0.00
	140	-187.9	285.2	-0.0	0.00	0.00	0.00
57	139	262.4	285.2	-0.0	-0.00	0.00	0.00
	140	-262.4	285.2	-0.0	0.00	0.00	0.00
58	139	335.1	285.2	-0.0	-0.00	0.00	0.00
	140	-335.1	285.2	-0.0	0.00	0.00	0.00
1	140	-51.9	416.9	-0.0	0.01	0.00	0.00
	141	51.9	416.9	-0.0	-0.01	0.00	0.00
2	140	-86.6	1928.9	-0.0	0.02	0.00	0.00
	141	86.6	1928.9	-0.0	-0.02	0.00	0.00
3	140	-11775.9	1928.9	-0.0	0.02	0.00	0.00
	141	11775.9	1928.9	-0.0	-0.02	0.00	0.00
4	140	-11732.5	2654.6	-174.2	0.02	0.00	0.00
	141	11732.5	2654.6	-174.2	-0.02	0.00	0.00
5	140	-11700.6	1928.9	-0.0	0.02	0.00	0.00
	141	11700.6	1928.9	-0.0	-0.02	0.00	0.00
6	140	-11732.0	1384.6	130.6	0.01	0.00	0.00
	141	11732.0	1384.6	130.6	-0.01	0.00	0.00
7	140	11525.8	1928.9	-0.0	0.02	0.00	0.00
	141	-11525.8	1928.9	-0.0	-0.02	0.00	0.00
8	140	11569.3	2654.6	-174.2	0.02	0.00	0.00
	141	-11569.3	2654.6	-174.2	-0.02	0.00	0.00
9	140	11601.2	1928.9	-0.0	0.02	0.00	0.00
	141	-11601.2	1928.9	-0.0	-0.02	0.00	0.00
10	140	11569.8	1384.6	130.6	0.01	0.00	0.00
	141	-11569.8	1384.6	130.6	-0.01	0.00	0.00
11	140	-11784.2	1172.9	-0.0	0.01	0.00	0.00
	141	11784.2	1172.9	-0.0	-0.01	0.00	0.00
12	140	11517.5	1172.9	-0.0	0.01	0.00	0.00
	141	-11517.5	1172.9	-0.0	-0.01	0.00	0.00
13	140	-11711.8	2382.5	-290.3	0.02	0.00	0.00
	141	11711.8	2382.5	-290.3	-0.02	0.00	0.00
14	140	11590.0	2382.5	-290.3	0.02	0.00	0.00
	141	-11590.0	2382.5	-290.3	-0.02	0.00	0.00
15	140	-11658.7	1172.9	-0.0	0.01	0.00	0.00

	141	11658.7	1172.9	-0.0	-0.01	0.00	0.00
16	140	11643.1	1172.9	-0.0	0.01	0.00	0.00
	141	-11643.1	1172.9	-0.0	-0.01	0.00	0.00
17	140	-11710.9	265.7	217.7	0.00	0.00	0.00
	141	11710.9	265.7	217.7	-0.00	0.00	0.00
18	140	11590.8	265.7	217.7	0.00	0.00	0.00
	141	-11590.8	265.7	217.7	-0.00	0.00	0.00
19	140	-19525.8	1172.9	-0.0	0.01	0.00	0.00
	141	19525.8	1172.9	-0.0	-0.01	0.00	0.00
20	140	19310.4	1172.9	-0.0	0.01	0.00	0.00
	141	-19310.4	1172.9	-0.0	-0.01	0.00	0.00
21	140	-19482.4	1898.6	-174.2	0.02	0.00	0.00
	141	19482.4	1898.6	-174.2	-0.02	0.00	0.00
22	140	19353.9	1898.6	-174.2	0.02	0.00	0.00
	141	-19353.9	1898.6	-174.2	-0.02	0.00	0.00
23	140	-19450.5	1172.9	-0.0	0.01	0.00	0.00
	141	19450.5	1172.9	-0.0	-0.01	0.00	0.00
24	140	19385.8	1172.9	-0.0	0.01	0.00	0.00
	141	-19385.8	1172.9	-0.0	-0.01	0.00	0.00
25	140	-19481.9	628.6	130.6	0.01	0.00	0.00
	141	19481.9	628.6	130.6	-0.01	0.00	0.00
26	140	19354.4	628.6	130.6	0.01	0.00	0.00
	141	-19354.4	628.6	130.6	-0.01	0.00	0.00
27	140	-2.5	1293.2	-0.0	0.01	0.00	0.00
	141	2.5	1293.2	-0.0	-0.01	0.00	0.00
28	140	204.8	1293.2	-0.0	0.01	0.00	0.00
	141	-204.8	1293.2	-0.0	-0.01	0.00	0.00
29	140	-359.3	1293.2	-0.0	0.01	0.00	0.00
	141	359.3	1293.2	-0.0	-0.01	0.00	0.00
30	140	-111.9	1293.2	-0.0	0.01	0.00	0.00
	141	111.9	1293.2	-0.0	-0.01	0.00	0.00
31	140	-330.4	1293.2	-0.0	0.01	0.00	0.00
	141	330.4	1293.2	-0.0	-0.01	0.00	0.00
32	140	-123.0	1293.2	-0.0	0.01	0.00	0.00
	141	123.0	1293.2	-0.0	-0.01	0.00	0.00
33	140	332.1	1293.2	-0.0	0.01	0.00	0.00
	141	-332.1	1293.2	-0.0	-0.01	0.00	0.00
34	140	233.7	1293.2	-0.0	0.01	0.00	0.00
	141	-233.7	1293.2	-0.0	-0.01	0.00	0.00
35	140	-51.2	789.2	-0.0	0.01	0.00	0.00
	141	51.2	789.2	-0.0	-0.01	0.00	0.00
36	140	-65.3	285.2	-0.0	0.00	0.00	0.00
	141	65.3	285.2	-0.0	-0.00	0.00	0.00
37	140	-36.3	769.1	-116.1	0.01	0.00	0.00
	141	36.3	769.1	-116.1	-0.01	0.00	0.00
38	140	-15.1	285.2	-0.0	0.00	0.00	0.00
	141	15.1	285.2	-0.0	-0.00	0.00	0.00
39	140	-36.0	-77.6	87.1	0.00	0.00	0.00
	141	36.0	-77.6	87.1	-0.00	0.00	0.00
40	140	-7806.9	285.2	-0.0	0.00	0.00	0.00
	141	7806.9	285.2	-0.0	-0.00	0.00	0.00
41	140	7727.6	285.2	-0.0	0.00	0.00	0.00
	141	-7727.6	285.2	-0.0	-0.00	0.00	0.00
42	140	-62.8	1293.2	-0.0	0.01	0.00	0.00
	141	62.8	1293.2	-0.0	-0.01	0.00	0.00
43	140	1.7	1293.2	-0.0	0.01	0.00	0.00

	141	-1.7	1293.2	-0.0	-0.01	0.00	0.00
44	140	216.9	1293.2	-0.0	0.01	0.00	0.00
	141	-216.9	1293.2	-0.0	-0.01	0.00	0.00
45	140	-370.0	1293.2	-0.0	0.01	0.00	0.00
	141	370.0	1293.2	-0.0	-0.01	0.00	0.00
46	140	-473.2	1293.2	-0.0	0.01	0.00	0.00
	141	473.2	1293.2	-0.0	-0.01	0.00	0.00
47	140	-342.5	1293.2	-0.0	0.01	0.00	0.00
	141	342.5	1293.2	-0.0	-0.01	0.00	0.00
48	140	-127.2	1293.2	-0.0	0.01	0.00	0.00
	141	127.2	1293.2	-0.0	-0.01	0.00	0.00
49	140	347.7	1293.2	-0.0	0.01	0.00	0.00
	141	-347.7	1293.2	-0.0	-0.01	0.00	0.00
50	140	244.4	1293.2	-0.0	0.01	0.00	0.00
	141	-244.4	1293.2	-0.0	-0.01	0.00	0.00
51	140	11.4	285.2	-0.0	0.00	0.00	0.00
	141	-11.4	285.2	-0.0	-0.00	0.00	0.00
52	140	184.2	285.2	-0.0	0.00	0.00	0.00
	141	-184.2	285.2	-0.0	-0.00	0.00	0.00
53	140	-286.4	285.2	-0.0	0.00	0.00	0.00
	141	286.4	285.2	-0.0	-0.00	0.00	0.00
54	140	-368.9	285.2	-0.0	0.00	0.00	0.00
	141	368.9	285.2	-0.0	-0.00	0.00	0.00
55	140	-263.5	285.2	-0.0	0.00	0.00	0.00
	141	263.5	285.2	-0.0	-0.00	0.00	0.00
56	140	-90.7	285.2	-0.0	0.00	0.00	0.00
	141	90.7	285.2	-0.0	-0.00	0.00	0.00
57	140	289.6	285.2	-0.0	0.00	0.00	0.00
	141	-289.6	285.2	-0.0	-0.00	0.00	0.00
58	140	207.1	285.2	-0.0	0.01	0.00	0.00
	141	-207.1	285.2	-0.0	-0.01	0.00	0.00
1	141	400.7	464.5	-0.0	-0.00	0.00	0.00
	142	-400.7	464.5	-0.0	0.00	0.00	0.00
2	141	840.5	2149.3	-0.0	-0.02	0.00	0.00
	142	-840.5	2149.3	-0.0	0.02	0.00	0.00
3	141	-10572.0	2149.3	-0.0	-0.02	0.00	0.00
	142	10572.0	2149.3	-0.0	0.02	0.00	0.00
4	141	-10606.8	2958.0	-194.1	-0.03	0.00	0.00
	142	10606.8	2958.0	-194.1	0.03	0.00	0.00
5	141	-10494.9	2149.3	-0.0	-0.02	0.00	0.00
	142	10494.9	2149.3	-0.0	0.02	0.00	0.00
6	141	-10504.9	1542.8	145.6	-0.01	0.00	0.00
	142	10504.9	1542.8	145.6	0.01	0.00	0.00
7	141	12170.7	2149.3	-0.0	-0.02	0.00	0.00
	142	-12170.7	2149.3	-0.0	0.02	0.00	0.00
8	141	12135.9	2958.0	-194.1	-0.03	0.00	0.00
	142	-12135.9	2958.0	-194.1	0.03	0.00	0.00
9	141	12247.8	2149.3	-0.0	-0.02	0.00	0.00
	142	-12247.8	2149.3	-0.0	0.02	0.00	0.00
10	141	12237.9	1542.8	145.6	-0.01	0.00	0.00
	142	-12237.9	1542.8	145.6	0.01	0.00	0.00
11	141	-10819.4	1306.9	-0.0	-0.01	0.00	0.00
	142	10819.4	1306.9	-0.0	0.01	0.00	0.00
12	141	11923.4	1306.9	-0.0	-0.01	0.00	0.00
	142	-11923.4	1306.9	-0.0	0.01	0.00	0.00

	141	-10877.4	2654.8	-323.5	-0.03	0.00	0.00
	142	10877.4	2654.8	-323.5	0.03	0.00	0.00
14	141	11865.4	2654.8	-323.5	-0.03	0.00	0.00
	142	-11865.4	2654.8	-323.5	0.03	0.00	0.00
15	141	-10690.8	1306.9	-0.0	-0.01	0.00	0.00
	142	10690.8	1306.9	-0.0	0.01	0.00	0.00
16	141	12052.0	1306.9	-0.0	-0.01	0.00	0.00
	142	-12052.0	1306.9	-0.0	0.01	0.00	0.00
17	141	-10707.4	296.0	242.6	-0.00	0.00	0.00
	142	10707.4	296.0	242.6	0.00	0.00	0.00
18	141	12035.3	296.0	242.6	-0.00	0.00	0.00
	142	-12035.3	296.0	242.6	0.00	0.00	0.00
19	141	-18372.8	1306.9	-0.0	-0.01	0.00	0.00
	142	18372.8	1306.9	-0.0	0.01	0.00	0.00
20	141	19531.7	1306.9	-0.0	-0.01	0.00	0.00
	142	-19531.7	1306.9	-0.0	0.01	0.00	0.00
21	141	-18407.6	2115.6	-194.1	-0.02	0.00	0.00
	142	18407.6	2115.6	-194.1	0.02	0.00	0.00
22	141	19496.9	2115.6	-194.1	-0.02	0.00	0.00
	142	-19496.9	2115.6	-194.1	0.02	0.00	0.00
23	141	-18295.7	1306.9	-0.0	-0.01	0.00	0.00
	142	18295.7	1306.9	-0.0	0.01	0.00	0.00
24	141	19608.9	1306.9	-0.0	-0.01	0.00	0.00
	142	-19608.9	1306.9	-0.0	0.01	0.00	0.00
25	141	-18305.7	700.4	145.6	-0.01	0.00	0.00
	142	18305.7	700.4	145.6	0.01	0.00	0.00
26	141	19598.9	700.4	145.6	-0.01	0.00	0.00
	142	-19598.9	700.4	145.6	0.01	0.00	0.00
27	141	488.7	1441.0	-0.0	-0.01	0.00	0.00
	142	-488.7	1441.0	-0.0	0.01	0.00	0.00
28	141	187.3	1441.0	-0.0	-0.01	0.00	0.00
	142	-187.3	1441.0	-0.0	0.01	0.00	0.00
29	141	1014.3	1441.0	-0.0	-0.01	0.00	0.00
	142	-1014.3	1441.0	-0.0	0.01	0.00	0.00
30	141	661.1	1441.0	-0.0	-0.01	0.00	0.00
	142	-661.1	1441.0	-0.0	0.01	0.00	0.00
31	141	985.7	1441.0	-0.0	-0.01	0.00	0.00
	142	-985.7	1441.0	-0.0	0.01	0.00	0.00
32	141	684.3	1441.0	-0.0	-0.01	0.00	0.00
	142	-684.3	1441.0	-0.0	0.01	0.00	0.00
33	141	9.7	1441.0	-0.0	-0.01	0.00	0.00
	142	-9.7	1441.0	-0.0	0.01	0.00	0.00
34	141	158.8	1441.0	-0.0	-0.01	0.00	0.00
	142	-158.8	1441.0	-0.0	0.01	0.00	0.00
35	141	439.9	879.4	-0.0	-0.01	0.00	0.00
	142	-439.9	879.4	-0.0	0.01	0.00	0.00
36	141	265.9	317.8	-0.0	-0.00	0.00	0.00
	142	-265.9	317.8	-0.0	0.00	0.00	0.00
37	141	242.7	857.0	-129.4	-0.01	0.00	0.00
	142	-242.7	857.0	-129.4	0.01	0.00	0.00
38	141	317.4	317.8	-0.0	-0.00	0.00	0.00
	142	-317.4	317.8	-0.0	0.00	0.00	0.00
39	141	310.7	-86.5	97.0	0.00	0.00	0.00
	142	-310.7	-86.5	97.0	-0.00	0.00	0.00
40	141	-7287.6	317.8	-0.0	-0.00	0.00	0.00
	142	7287.6	317.8	-0.0	0.00	0.00	0.00

	141	7874.2	317.8	-0.0	-0.00	0.00	0.00
	142	-7874.2	317.8	-0.0	0.00	0.00	0.00
42	141	586.5	1441.0	-0.0	-0.01	0.00	0.00
	142	-586.5	1441.0	-0.0	0.01	0.00	0.00
43	141	472.4	1441.0	-0.0	-0.01	0.00	0.00
	142	-472.4	1441.0	-0.0	0.01	0.00	0.00
44	141	193.3	1441.0	-0.0	-0.01	0.00	0.00
	142	-193.3	1441.0	-0.0	0.01	0.00	0.00
45	141	975.6	1441.0	-0.0	-0.01	0.00	0.00
	142	-975.6	1441.0	-0.0	0.01	0.00	0.00
46	141	1127.8	1441.0	-0.0	-0.01	0.00	0.00
	142	-1127.8	1441.0	-0.0	0.01	0.00	0.00
47	141	979.8	1441.0	-0.0	-0.01	0.00	0.00
	142	-979.8	1441.0	-0.0	0.01	0.00	0.00
48	141	700.7	1441.0	-0.0	-0.01	0.00	0.00
	142	-700.7	1441.0	-0.0	0.01	0.00	0.00
49	141	45.3	1441.0	-0.0	-0.01	0.00	0.00
	142	-45.3	1441.0	-0.0	0.01	0.00	0.00
50	141	197.5	1441.0	-0.0	-0.01	0.00	0.00
	142	-197.5	1441.0	-0.0	0.01	0.00	0.00
51	141	199.3	317.8	-0.0	-0.00	0.00	0.00
	142	-199.3	317.8	-0.0	0.00	0.00	0.00
52	141	-27.8	317.8	-0.0	-0.00	0.00	0.00
	142	27.8	317.8	-0.0	0.00	0.00	0.00
53	141	609.7	317.8	-0.0	-0.00	0.00	0.00
	142	-609.7	317.8	-0.0	0.00	0.00	0.00
54	141	734.2	317.8	-0.0	-0.00	0.00	0.00
	142	-734.2	317.8	-0.0	0.00	0.00	0.00
55	141	614.5	317.8	-0.0	-0.00	0.00	0.00
	142	-614.5	317.8	-0.0	0.00	0.00	0.00
56	141	387.3	317.8	-0.0	-0.00	0.00	0.00
	142	-387.3	317.8	-0.0	0.00	0.00	0.00
57	141	-147.6	317.8	-0.0	-0.00	0.00	0.00
	142	147.6	317.8	-0.0	0.00	0.00	0.00
58	141	-23.0	317.8	-0.0	-0.00	0.00	0.00
	142	23.0	317.8	-0.0	0.00	0.00	0.00
1	142	398.9	466.0	-0.0	-0.00	0.00	0.00
	143	-398.9	466.0	-0.0	0.00	0.00	0.00
2	142	839.8	2156.2	-0.0	-0.01	0.00	0.00
	143	-839.8	2156.2	-0.0	0.01	0.00	0.00
3	142	-10686.7	2156.2	-0.0	-0.01	0.00	0.00
	143	10686.7	2156.2	-0.0	0.01	0.00	0.00
4	142	-10727.1	2967.5	-194.7	-0.02	0.00	0.00
	143	10727.1	2967.5	-194.7	0.02	0.00	0.00
5	142	-10609.4	2156.2	-0.0	-0.01	0.00	0.00
	143	10609.4	2156.2	-0.0	0.01	0.00	0.00
6	142	-10612.5	1547.7	146.0	-0.01	0.00	0.00
	143	10612.5	1547.7	146.0	0.01	0.00	0.00
7	142	12283.7	2156.2	-0.0	-0.01	0.00	0.00
	143	-12283.7	2156.2	-0.0	0.01	0.00	0.00
8	142	12243.2	2967.5	-194.7	-0.02	0.00	0.00
	143	-12243.2	2967.5	-194.7	0.02	0.00	0.00
9	142	12360.9	2156.2	-0.0	-0.01	0.00	0.00
	143	-12360.9	2156.2	-0.0	0.01	0.00	0.00
10	142	12357.8	1547.7	146.0	-0.01	0.00	0.00

	143	-12357.8	1547.7	146.0	0.01	0.00	0.00
11	142	-10934.6	1311.1	-0.0	-0.01	0.00	0.00
	143	10934.6	1311.1	-0.0	0.01	0.00	0.00
12	142	12035.7	1311.1	-0.0	-0.01	0.00	0.00
	143	-12035.7	1311.1	-0.0	0.01	0.00	0.00
13	142	-11002.0	2663.3	-324.5	-0.02	0.00	0.00
	143	11002.0	2663.3	-324.5	0.02	0.00	0.00
14	142	11968.3	2663.3	-324.5	-0.02	0.00	0.00
	143	-11968.3	2663.3	-324.5	0.02	0.00	0.00
15	142	-10805.9	1311.1	-0.0	-0.01	0.00	0.00
	143	10805.9	1311.1	-0.0	0.01	0.00	0.00
16	142	12164.4	1311.1	-0.0	-0.01	0.00	0.00
	143	-12164.4	1311.1	-0.0	0.01	0.00	0.00
17	142	-10811.1	297.0	243.4	-0.00	0.00	0.00
	143	10811.1	297.0	243.4	0.00	0.00	0.00
18	142	12159.2	297.0	243.4	-0.00	0.00	0.00
	143	-12159.2	297.0	243.4	0.00	0.00	0.00
19	142	-18563.9	1311.1	-0.0	-0.01	0.00	0.00
	143	18563.9	1311.1	-0.0	0.01	0.00	0.00
20	142	19720.0	1311.1	-0.0	-0.01	0.00	0.00
	143	-19720.0	1311.1	-0.0	0.01	0.00	0.00
21	142	-18604.3	2122.4	-194.7	-0.01	0.00	0.00
	143	18604.3	2122.4	-194.7	0.01	0.00	0.00
22	142	19679.5	2122.4	-194.7	-0.01	0.00	0.00
	143	-19679.5	2122.4	-194.7	0.01	0.00	0.00
23	142	-18486.7	1311.1	-0.0	-0.01	0.00	0.00
	143	18486.7	1311.1	-0.0	0.01	0.00	0.00
24	142	19797.2	1311.1	-0.0	-0.01	0.00	0.00
	143	-19797.2	1311.1	-0.0	0.01	0.00	0.00
25	142	-18489.8	702.6	146.0	-0.01	0.00	0.00
	143	18489.8	702.6	146.0	0.01	0.00	0.00
26	142	19794.1	702.6	146.0	-0.00	0.00	0.00
	143	-19794.1	702.6	146.0	0.00	0.00	0.00
27	142	629.0	1445.7	-0.0	-0.01	0.00	0.00
	143	-629.0	1445.7	-0.0	0.01	0.00	0.00
28	142	327.4	1445.7	-0.0	-0.01	0.00	0.00
	143	-327.4	1445.7	-0.0	0.01	0.00	0.00
29	142	1056.5	1445.7	-0.0	-0.01	0.00	0.00
	143	-1056.5	1445.7	-0.0	0.01	0.00	0.00
30	142	618.7	1445.7	-0.0	-0.01	0.00	0.00
	143	-618.7	1445.7	-0.0	0.01	0.00	0.00
31	142	845.1	1445.7	-0.0	-0.01	0.00	0.00
	143	-845.1	1445.7	-0.0	0.01	0.00	0.00
32	142	543.5	1445.7	-0.0	-0.01	0.00	0.00
	143	-543.5	1445.7	-0.0	0.01	0.00	0.00
33	142	51.2	1445.7	-0.0	-0.01	0.00	0.00
	143	-51.2	1445.7	-0.0	0.01	0.00	0.00
34	142	116.0	1445.7	-0.0	-0.01	0.00	0.00
	143	-116.0	1445.7	-0.0	0.01	0.00	0.00
35	142	439.3	882.3	-0.0	-0.01	0.00	0.00
	143	-439.3	882.3	-0.0	0.01	0.00	0.00
36	142	264.8	318.9	-0.0	-0.00	0.00	0.00
	143	-264.8	318.9	-0.0	0.00	0.00	0.00
37	142	237.8	859.7	-129.8	-0.01	0.00	0.00
	143	-237.8	859.7	-129.8	0.01	0.00	0.00
38	142	316.3	318.9	-0.0	-0.00	0.00	0.00

	143	-316.3	318.9	-0.0	0.00	0.00	0.00
39	142	314.2	-86.8	97.4	0.00	0.00	0.00
	143	-314.2	-86.8	97.4	-0.00	0.00	0.00
40	142	-7364.5	318.9	-0.0	-0.00	0.00	0.00
	143	7364.5	318.9	-0.0	0.00	0.00	0.00
41	142	7949.1	318.9	-0.0	-0.00	0.00	0.00
	143	-7949.1	318.9	-0.0	0.00	0.00	0.00
42	142	586.2	1445.7	-0.0	-0.01	0.00	0.00
	143	-586.2	1445.7	-0.0	0.01	0.00	0.00
43	142	615.8	1445.7	-0.0	-0.01	0.00	0.00
	143	-615.8	1445.7	-0.0	0.01	0.00	0.00
44	142	339.7	1445.7	-0.0	-0.01	0.00	0.00
	143	-339.7	1445.7	-0.0	0.01	0.00	0.00
45	142	1013.7	1445.7	-0.0	-0.01	0.00	0.00
	143	-1013.7	1445.7	-0.0	0.01	0.00	0.00
46	142	1078.8	1445.7	-0.0	-0.01	0.00	0.00
	143	-1078.8	1445.7	-0.0	0.01	0.00	0.00
47	142	832.7	1445.7	-0.0	-0.01	0.00	0.00
	143	-832.7	1445.7	-0.0	0.01	0.00	0.00
48	142	556.7	1445.7	-0.0	-0.01	0.00	0.00
	143	-556.7	1445.7	-0.0	0.01	0.00	0.00
49	142	93.7	1445.7	-0.0	-0.01	0.00	0.00
	143	-93.7	1445.7	-0.0	0.01	0.00	0.00
50	142	158.7	1445.7	-0.0	-0.01	0.00	0.00
	143	-158.7	1445.7	-0.0	0.01	0.00	0.00
51	142	315.7	318.9	-0.0	-0.00	0.00	0.00
	143	-315.7	318.9	-0.0	0.00	0.00	0.00
52	142	91.1	318.9	-0.0	-0.00	0.00	0.00
	143	-91.1	318.9	-0.0	0.00	0.00	0.00
53	142	640.0	318.9	-0.0	-0.00	0.00	0.00
	143	-640.0	318.9	-0.0	0.00	0.00	0.00
54	142	693.4	318.9	-0.0	-0.00	0.00	0.00
	143	-693.4	318.9	-0.0	0.00	0.00	0.00
55	142	493.5	318.9	-0.0	-0.00	0.00	0.00
	143	-493.5	318.9	-0.0	0.00	0.00	0.00
56	142	268.9	318.9	-0.0	-0.00	0.00	0.00
	143	-268.9	318.9	-0.0	0.00	0.00	0.00
57	142	-108.7	318.9	-0.0	-0.00	0.00	0.00
	143	108.7	318.9	-0.0	0.00	0.00	0.00
58	142	-55.4	318.9	-0.0	-0.00	0.00	0.00
	143	55.4	318.9	-0.0	0.00	0.00	0.00
1	143	396.3	466.0	-0.0	0.00	0.00	0.00
	144	-396.3	466.0	-0.0	-0.00	0.00	0.00
2	143	836.0	2156.2	-0.0	0.01	0.00	0.00
	144	-836.0	2156.2	-0.0	-0.01	0.00	0.00
3	143	-10657.5	2156.2	-0.0	0.01	0.00	0.00
	144	10657.5	2156.2	-0.0	-0.01	0.00	0.00
4	143	-10700.3	2967.5	-194.7	0.02	0.00	0.00
	144	10700.3	2967.5	-194.7	-0.02	0.00	0.00
5	143	-10579.7	2156.2	-0.0	0.01	0.00	0.00
	144	10579.7	2156.2	-0.0	-0.01	0.00	0.00
6	143	-10580.5	1547.7	146.0	0.01	0.00	0.00
	144	10580.5	1547.7	146.0	-0.01	0.00	0.00
7	143	12246.2	2156.2	-0.0	0.01	0.00	0.00
	144	-12246.2	2156.2	-0.0	-0.01	0.00	0.00

	143	12203.4	2967.5	-194.7	0.02	0.00	0.00
	144	-12203.4	2967.5	-194.7	-0.02	0.00	0.00
9	143	12324.0	2156.2	-0.0	0.01	0.00	0.00
	144	-12324.0	2156.2	-0.0	-0.01	0.00	0.00
10	143	12323.2	1547.7	146.0	0.01	0.00	0.00
	144	-12323.2	1547.7	146.0	-0.01	0.00	0.00
11	143	-10905.2	1311.1	-0.0	0.01	0.00	0.00
	144	10905.2	1311.1	-0.0	-0.01	0.00	0.00
12	143	11998.5	1311.1	-0.0	0.01	0.00	0.00
	144	-11998.5	1311.1	-0.0	-0.01	0.00	0.00
13	143	-10976.5	2663.3	-324.5	0.02	0.00	0.00
	144	10976.5	2663.3	-324.5	-0.02	0.00	0.00
14	143	11927.2	2663.3	-324.5	0.02	0.00	0.00
	144	-11927.2	2663.3	-324.5	-0.02	0.00	0.00
15	143	-10775.5	1311.1	-0.0	0.01	0.00	0.00
	144	10775.5	1311.1	-0.0	-0.01	0.00	0.00
16	143	12128.2	1311.1	-0.0	0.01	0.00	0.00
	144	-12128.2	1311.1	-0.0	-0.01	0.00	0.00
17	143	-10776.9	297.0	243.4	0.00	0.00	0.00
	144	10776.9	297.0	243.4	-0.00	0.00	0.00
18	143	12126.8	297.0	243.4	0.00	0.00	0.00
	144	-12126.8	297.0	243.4	-0.00	0.00	0.00
19	143	-18512.0	1311.1	-0.0	0.01	0.00	0.00
	144	18512.0	1311.1	-0.0	-0.01	0.00	0.00
20	143	19660.9	1311.1	-0.0	0.01	0.00	0.00
	144	-19660.9	1311.1	-0.0	-0.01	0.00	0.00
21	143	-18554.8	2122.4	-194.7	0.01	0.00	0.00
	144	18554.8	2122.4	-194.7	-0.01	0.00	0.00
22	143	19618.1	2122.4	-194.7	0.01	0.00	0.00
	144	-19618.1	2122.4	-194.7	-0.01	0.00	0.00
23	143	-18434.2	1311.1	-0.0	0.01	0.00	0.00
	144	18434.2	1311.1	-0.0	-0.01	0.00	0.00
24	143	19738.7	1311.1	-0.0	0.01	0.00	0.00
	144	-19738.7	1311.1	-0.0	-0.01	0.00	0.00
25	143	-18435.0	702.6	146.0	0.00	0.00	0.00
	144	18435.0	702.6	146.0	-0.00	0.00	0.00
26	143	19737.9	702.6	146.0	0.00	0.00	0.00
	144	-19737.9	702.6	146.0	-0.00	0.00	0.00
27	143	834.7	1445.7	-0.0	0.01	0.00	0.00
	144	-834.7	1445.7	-0.0	-0.01	0.00	0.00
28	143	522.8	1445.7	-0.0	0.01	0.00	0.00
	144	-522.8	1445.7	-0.0	-0.01	0.00	0.00
29	143	1132.0	1445.7	-0.0	0.01	0.00	0.00
	144	-1132.0	1445.7	-0.0	-0.01	0.00	0.00
30	143	555.3	1445.7	-0.0	0.01	0.00	0.00
	144	-555.3	1445.7	-0.0	-0.01	0.00	0.00
31	143	644.7	1445.7	-0.0	0.01	0.00	0.00
	144	-644.7	1445.7	-0.0	-0.01	0.00	0.00
32	143	332.9	1445.7	-0.0	0.01	0.00	0.00
	144	-332.9	1445.7	-0.0	-0.01	0.00	0.00
33	143	92.5	1445.7	-0.0	0.01	0.00	0.00
	144	-92.5	1445.7	-0.0	-0.01	0.00	0.00
34	143	35.5	1445.7	-0.0	0.01	0.00	0.00
	144	-35.5	1445.7	-0.0	-0.01	0.00	0.00
35	143	437.2	882.3	-0.0	0.01	0.00	0.00
	144	-437.2	882.3	-0.0	-0.01	0.00	0.00

	143	262.8	318.9	-0.0	0.00	0.00	0.00
	144	-262.8	318.9	-0.0	-0.00	0.00	0.00
37	143	234.3	859.7	-129.8	0.01	0.00	0.00
	144	-234.3	859.7	-129.8	-0.01	0.00	0.00
38	143	314.7	318.9	-0.0	0.00	0.00	0.00
	144	-314.7	318.9	-0.0	-0.00	0.00	0.00
39	143	314.1	-86.8	97.4	0.00	0.00	0.00
	144	-314.1	-86.8	97.4	-0.00	0.00	0.00
40	143	-7344.0	318.9	-0.0	0.00	0.00	0.00
	144	7344.0	318.9	-0.0	-0.00	0.00	0.00
41	143	7925.2	318.9	-0.0	0.00	0.00	0.00
	144	-7925.2	318.9	-0.0	-0.00	0.00	0.00
42	143	583.8	1445.7	-0.0	0.01	0.00	0.00
	144	-583.8	1445.7	-0.0	-0.01	0.00	0.00
43	143	822.6	1445.7	-0.0	0.01	0.00	0.00
	144	-822.6	1445.7	-0.0	-0.01	0.00	0.00
44	143	538.0	1445.7	-0.0	0.01	0.00	0.00
	144	-538.0	1445.7	-0.0	-0.01	0.00	0.00
45	143	1087.0	1445.7	-0.0	0.01	0.00	0.00
	144	-1087.0	1445.7	-0.0	-0.01	0.00	0.00
46	143	1029.1	1445.7	-0.0	0.01	0.00	0.00
	144	-1029.1	1445.7	-0.0	-0.01	0.00	0.00
47	143	629.5	1445.7	-0.0	0.01	0.00	0.00
	144	-629.5	1445.7	-0.0	-0.01	0.00	0.00
48	143	345.0	1445.7	-0.0	0.01	0.00	0.00
	144	-345.0	1445.7	-0.0	-0.01	0.00	0.00
49	143	138.5	1445.7	-0.0	0.01	0.00	0.00
	144	-138.5	1445.7	-0.0	-0.01	0.00	0.00
50	143	80.6	1445.7	-0.0	0.01	0.00	0.00
	144	-80.6	1445.7	-0.0	-0.01	0.00	0.00
51	143	483.9	318.9	-0.0	0.00	0.00	0.00
	144	-483.9	318.9	-0.0	-0.00	0.00	0.00
52	143	252.4	318.9	-0.0	0.00	0.00	0.00
	144	-252.4	318.9	-0.0	-0.00	0.00	0.00
53	143	699.7	318.9	-0.0	0.00	0.00	0.00
	144	-699.7	318.9	-0.0	-0.00	0.00	0.00
54	143	653.2	318.9	-0.0	0.00	0.00	0.00
	144	-653.2	318.9	-0.0	-0.00	0.00	0.00
55	143	328.9	318.9	-0.0	0.00	0.00	0.00
	144	-328.9	318.9	-0.0	-0.00	0.00	0.00
56	143	97.3	318.9	-0.0	0.00	0.00	0.00
	144	-97.3	318.9	-0.0	-0.00	0.00	0.00
57	143	-72.0	318.9	-0.0	0.00	0.00	0.00
	144	72.0	318.9	-0.0	-0.00	0.00	0.00
58	143	-118.5	318.9	-0.0	0.00	0.00	0.00
	144	118.5	318.9	-0.0	-0.00	0.00	0.00
1	144	390.0	464.5	-0.0	0.00	0.00	0.00
	145	-390.0	464.5	-0.0	-0.00	0.00	0.00
2	144	824.7	2149.3	-0.0	0.02	0.00	0.00
	145	-824.7	2149.3	-0.0	-0.02	0.00	0.00
3	144	-10502.9	2149.3	-0.0	0.02	0.00	0.00
	145	10502.9	2149.3	-0.0	-0.02	0.00	0.00
4	144	-10547.7	2958.0	-194.1	0.03	0.00	0.00
	145	10547.7	2958.0	-194.1	-0.03	0.00	0.00
5	144	-10424.1	2149.3	-0.0	0.02	0.00	0.00

	145	10424.1	2149.3	-0.0	-0.02	0.00	0.00
6	144	-10425.1	1542.8	145.6	0.01	0.00	0.00
	145	10425.1	1542.8	145.6	-0.01	0.00	0.00
7	144	12067.6	2149.3	-0.0	0.02	0.00	0.00
	145	-12067.6	2149.3	-0.0	-0.02	0.00	0.00
8	144	12022.8	2958.0	-194.1	0.03	0.00	0.00
	145	-12022.8	2958.0	-194.1	-0.03	0.00	0.00
9	144	12146.4	2149.3	-0.0	0.02	0.00	0.00
	145	-12146.4	2149.3	-0.0	-0.02	0.00	0.00
10	144	12145.4	1542.8	145.6	0.01	0.00	0.00
	145	-12145.4	1542.8	145.6	-0.01	0.00	0.00
11	144	-10748.4	1306.9	-0.0	0.01	0.00	0.00
	145	10748.4	1306.9	-0.0	-0.01	0.00	0.00
12	144	11822.1	1306.9	-0.0	0.01	0.00	0.00
	145	-11822.1	1306.9	-0.0	-0.01	0.00	0.00
13	144	-10823.2	2654.8	-323.5	0.03	0.00	0.00
	145	10823.2	2654.8	-323.5	-0.03	0.00	0.00
14	144	11747.3	2654.8	-323.5	0.03	0.00	0.00
	145	-11747.3	2654.8	-323.5	-0.03	0.00	0.00
15	144	-10617.1	1306.9	-0.0	0.01	0.00	0.00
	145	10617.1	1306.9	-0.0	-0.01	0.00	0.00
16	144	11953.4	1306.9	-0.0	0.01	0.00	0.00
	145	-11953.4	1306.9	-0.0	-0.01	0.00	0.00
17	144	-10618.8	296.0	242.6	0.00	0.00	0.00
	145	10618.8	296.0	242.6	-0.00	0.00	0.00
18	144	11951.7	296.0	242.6	0.00	0.00	0.00
	145	-11951.7	296.0	242.6	-0.00	0.00	0.00
19	144	-18243.7	1306.9	-0.0	0.01	0.00	0.00
	145	18243.7	1306.9	-0.0	-0.01	0.00	0.00
20	144	19373.8	1306.9	-0.0	0.01	0.00	0.00
	145	-19373.8	1306.9	-0.0	-0.01	0.00	0.00
21	144	-18288.6	2115.6	-194.1	0.02	0.00	0.00
	145	18288.6	2115.6	-194.1	-0.02	0.00	0.00
22	144	19329.0	2115.6	-194.1	0.02	0.00	0.00
	145	-19329.0	2115.6	-194.1	-0.02	0.00	0.00
23	144	-18165.0	1306.9	-0.0	0.01	0.00	0.00
	145	18165.0	1306.9	-0.0	-0.01	0.00	0.00
24	144	19452.6	1306.9	-0.0	0.01	0.00	0.00
	145	-19452.6	1306.9	-0.0	-0.01	0.00	0.00
25	144	-18165.9	700.4	145.6	0.01	0.00	0.00
	145	18165.9	700.4	145.6	-0.01	0.00	0.00
26	144	19451.6	700.4	145.6	0.01	0.00	0.00
	145	-19451.6	700.4	145.6	-0.01	0.00	0.00
27	144	969.8	1441.0	-0.0	0.01	0.00	0.00
	145	-969.8	1441.0	-0.0	-0.01	0.00	0.00
28	144	646.6	1441.0	-0.0	0.01	0.00	0.00
	145	-646.6	1441.0	-0.0	-0.01	0.00	0.00
29	144	1184.2	1441.0	-0.0	0.01	0.00	0.00
	145	-1184.2	1441.0	-0.0	-0.01	0.00	0.00
30	144	506.4	1441.0	-0.0	0.01	0.00	0.00
	145	-506.4	1441.0	-0.0	-0.01	0.00	0.00
31	144	505.4	1441.0	-0.0	0.01	0.00	0.00
	145	-505.4	1441.0	-0.0	-0.01	0.00	0.00
32	144	182.3	1441.0	-0.0	0.01	0.00	0.00
	145	-182.3	1441.0	-0.0	-0.01	0.00	0.00
33	144	107.1	1441.0	-0.0	0.01	0.00	0.00

	145	-107.1	1441.0	-0.0	-0.01	0.00	0.00
34	144	-32.2	1441.0	-0.0	0.02	0.00	0.00
	145	32.2	1441.0	-0.0	-0.02	0.00	0.00
35	144	431.1	879.4	-0.0	0.01	0.00	0.00
	145	-431.1	879.4	-0.0	-0.01	0.00	0.00
36	144	258.0	317.8	-0.0	0.00	0.00	0.00
	145	-258.0	317.8	-0.0	-0.00	0.00	0.00
37	144	228.1	857.0	-129.4	0.01	0.00	0.00
	145	-228.1	857.0	-129.4	-0.01	0.00	0.00
38	144	310.5	317.8	-0.0	0.00	0.00	0.00
	145	-310.5	317.8	-0.0	-0.00	0.00	0.00
39	144	309.9	-86.5	97.0	-0.00	0.00	0.00
	145	-309.9	-86.5	97.0	0.00	0.00	0.00
40	144	-7237.3	317.8	-0.0	0.00	0.00	0.00
	145	7237.3	317.8	-0.0	-0.00	0.00	0.00
41	144	7809.7	317.8	-0.0	0.00	0.00	0.00
	145	-7809.7	317.8	-0.0	-0.00	0.00	0.00
42	144	576.0	1441.0	-0.0	0.01	0.00	0.00
	145	-576.0	1441.0	-0.0	-0.01	0.00	0.00
43	144	962.0	1441.0	-0.0	0.01	0.00	0.00
	145	-962.0	1441.0	-0.0	-0.01	0.00	0.00
44	144	667.6	1441.0	-0.0	0.01	0.00	0.00
	145	-667.6	1441.0	-0.0	-0.01	0.00	0.00
45	144	1138.3	1441.0	-0.0	0.01	0.00	0.00
	145	-1138.3	1441.0	-0.0	-0.01	0.00	0.00
46	144	995.0	1441.0	-0.0	0.01	0.00	0.00
	145	-995.0	1441.0	-0.0	-0.01	0.00	0.00
47	144	484.5	1441.0	-0.0	0.01	0.00	0.00
	145	-484.5	1441.0	-0.0	-0.01	0.00	0.00
48	144	190.1	1441.0	-0.0	0.01	0.00	0.00
	145	-190.1	1441.0	-0.0	-0.01	0.00	0.00
49	144	157.0	1441.0	-0.0	0.01	0.00	0.00
	145	-157.0	1441.0	-0.0	-0.01	0.00	0.00
50	144	13.8	1441.0	-0.0	0.01	0.00	0.00
	145	-13.8	1441.0	-0.0	-0.01	0.00	0.00
51	144	599.5	317.8	-0.0	0.00	0.00	0.00
	145	-599.5	317.8	-0.0	-0.00	0.00	0.00
52	144	359.9	317.8	-0.0	0.00	0.00	0.00
	145	-359.9	317.8	-0.0	-0.00	0.00	0.00
53	144	743.6	317.8	-0.0	0.00	0.00	0.00
	145	-743.6	317.8	-0.0	-0.00	0.00	0.00
54	144	627.6	317.8	-0.0	0.00	0.00	0.00
	145	-627.6	317.8	-0.0	-0.00	0.00	0.00
55	144	212.6	317.8	-0.0	0.00	0.00	0.00
	145	-212.6	317.8	-0.0	-0.00	0.00	0.00
56	144	-27.0	317.8	-0.0	0.00	0.00	0.00
	145	27.0	317.8	-0.0	-0.00	0.00	0.00
57	144	-55.1	317.8	-0.0	0.00	0.00	0.00
	145	55.1	317.8	-0.0	-0.00	0.00	0.00
58	144	-171.2	317.8	-0.0	0.00	0.00	0.00
	145	171.2	317.8	-0.0	-0.00	0.00	0.00
1	145	22.4	513.7	-0.0	-0.00	0.00	0.00
	146	-22.4	513.7	-0.0	0.00	0.00	0.00
2	145	38.8	2376.7	0.0	-0.01	0.00	0.00
	146	-38.8	2376.7	0.0	0.01	0.00	0.00

	145	-7800.6	2376.7	0.0	-0.01	0.00	0.00
	146	7800.6	2376.7	0.0	0.01	0.00	0.00
4	145	-7749.7	3270.9	-214.6	-0.02	0.00	0.00
	146	7749.7	3270.9	-214.6	0.02	0.00	0.00
5	145	-7764.0	2376.7	0.0	-0.01	0.00	0.00
	146	7764.0	2376.7	0.0	0.01	0.00	0.00
6	145	-7810.7	1706.0	161.0	-0.01	0.00	0.00
	146	7810.7	1706.0	161.0	0.01	0.00	0.00
7	145	7838.2	2376.7	0.0	-0.01	0.00	0.00
	146	-7838.2	2376.7	0.0	0.01	0.00	0.00
8	145	7889.1	3270.9	-214.6	-0.01	0.00	0.00
	146	-7889.1	3270.9	-214.6	0.01	0.00	0.00
9	145	7874.7	2376.7	0.0	-0.01	0.00	0.00
	146	-7874.7	2376.7	0.0	0.01	0.00	0.00
10	145	7828.1	1706.0	161.0	-0.01	0.00	0.00
	146	-7828.1	1706.0	161.0	0.01	0.00	0.00
11	145	-7822.1	1445.2	0.0	-0.01	0.00	0.00
	146	7822.1	1445.2	0.0	0.01	0.00	0.00
12	145	7816.7	1445.2	0.0	-0.01	0.00	0.00
	146	-7816.7	1445.2	0.0	0.01	0.00	0.00
13	145	-7737.3	2935.6	-357.7	-0.02	0.00	0.00
	146	7737.3	2935.6	-357.7	0.02	0.00	0.00
14	145	7901.4	2935.6	-357.7	-0.01	0.00	0.00
	146	-7901.4	2935.6	-357.7	0.01	0.00	0.00
15	145	-7761.2	1445.2	0.0	-0.01	0.00	0.00
	146	7761.2	1445.2	0.0	0.01	0.00	0.00
16	145	7877.5	1445.2	0.0	-0.01	0.00	0.00
	146	-7877.5	1445.2	0.0	0.01	0.00	0.00
17	145	-7838.9	327.4	268.3	-0.00	0.00	0.00
	146	7838.9	327.4	268.3	0.00	0.00	0.00
18	145	7799.8	327.4	268.3	-0.00	0.00	0.00
	146	-7799.8	327.4	268.3	0.00	0.00	0.00
19	145	-13021.7	1445.2	0.0	-0.01	0.00	0.00
	146	13021.7	1445.2	0.0	0.01	0.00	0.00
20	145	13042.9	1445.2	0.0	-0.01	0.00	0.00
	146	-13042.9	1445.2	0.0	0.01	0.00	0.00
21	145	-12970.8	2339.4	-214.6	-0.01	0.00	0.00
	146	12970.8	2339.4	-214.6	0.01	0.00	0.00
22	145	13093.8	2339.4	-214.6	-0.01	0.00	0.00
	146	-13093.8	2339.4	-214.6	0.01	0.00	0.00
23	145	-12985.2	1445.2	0.0	-0.01	0.00	0.00
	146	12985.2	1445.2	0.0	0.01	0.00	0.00
24	145	13079.4	1445.2	0.0	-0.01	0.00	0.00
	146	-13079.4	1445.2	0.0	0.01	0.00	0.00
25	145	-13031.8	774.5	161.0	-0.01	0.00	0.00
	146	13031.8	774.5	161.0	0.01	0.00	0.00
26	145	13032.8	774.5	161.0	-0.00	0.00	0.00
	146	-13032.8	774.5	161.0	0.00	0.00	0.00
27	145	-159.1	1593.5	0.0	-0.01	0.00	0.00
	146	159.1	1593.5	0.0	0.01	0.00	0.00
28	145	-32.1	1593.5	0.0	-0.01	0.00	0.00
	146	32.1	1593.5	0.0	0.01	0.00	0.00
29	145	-221.5	1593.5	0.0	-0.01	0.00	0.00
	146	221.5	1593.5	0.0	0.01	0.00	0.00
30	145	63.6	1593.5	0.0	-0.01	0.00	0.00
	146	-63.6	1593.5	0.0	0.01	0.00	0.00

	145	85.9	1593.5	0.0	-0.01	0.00	0.00
	146	-85.9	1593.5	0.0	0.01	0.00	0.00
32	145	212.8	1593.5	0.0	-0.01	0.00	0.00
	146	-212.8	1593.5	0.0	0.01	0.00	0.00
33	145	201.8	1593.5	0.0	-0.01	0.00	0.00
	146	-201.8	1593.5	0.0	0.01	0.00	0.00
34	145	275.2	1593.5	0.0	-0.01	0.00	0.00
	146	-275.2	1593.5	0.0	0.01	0.00	0.00
35	145	21.4	972.5	0.0	-0.01	0.00	0.00
	146	-21.4	972.5	0.0	0.01	0.00	0.00
36	145	2.6	351.5	-0.0	-0.00	0.00	0.00
	146	-2.6	351.5	-0.0	0.00	0.00	0.00
37	145	36.5	947.6	-143.1	-0.01	0.00	0.00
	146	-36.5	947.6	-143.1	0.01	0.00	0.00
38	145	27.0	351.5	-0.0	-0.00	0.00	0.00
	146	-27.0	351.5	-0.0	0.00	0.00	0.00
39	145	-4.1	-95.7	107.3	-0.00	0.00	0.00
	146	4.1	-95.7	107.3	0.00	0.00	0.00
40	145	-5197.0	351.5	-0.0	-0.00	0.00	0.00
	146	5197.0	351.5	-0.0	0.00	0.00	0.00
41	145	5228.8	351.5	-0.0	-0.00	0.00	0.00
	146	-5228.8	351.5	-0.0	0.00	0.00	0.00
42	145	26.9	1593.5	0.0	-0.01	0.00	0.00
	146	-26.9	1593.5	0.0	0.01	0.00	0.00
43	145	-157.5	1593.5	0.0	-0.01	0.00	0.00
	146	157.5	1593.5	0.0	0.01	0.00	0.00
44	145	-41.4	1593.5	0.0	-0.01	0.00	0.00
	146	41.4	1593.5	0.0	0.01	0.00	0.00
45	145	-204.4	1593.5	0.0	-0.01	0.00	0.00
	146	204.4	1593.5	0.0	0.01	0.00	0.00
46	145	-128.6	1593.5	0.0	-0.01	0.00	0.00
	146	128.6	1593.5	0.0	0.01	0.00	0.00
47	145	95.2	1593.5	0.0	-0.01	0.00	0.00
	146	-95.2	1593.5	0.0	0.01	0.00	0.00
48	145	211.2	1593.5	0.0	-0.01	0.00	0.00
	146	-211.2	1593.5	0.0	0.01	0.00	0.00
49	145	182.3	1593.5	0.0	-0.01	0.00	0.00
	146	-182.3	1593.5	0.0	0.01	0.00	0.00
50	145	258.1	1593.5	0.0	-0.01	0.00	0.00
	146	-258.1	1593.5	0.0	0.01	0.00	0.00
51	145	-134.0	351.5	-0.0	-0.00	0.00	0.00
	146	134.0	351.5	-0.0	0.00	0.00	0.00
52	145	-39.5	351.5	-0.0	-0.00	0.00	0.00
	146	39.5	351.5	-0.0	0.00	0.00	0.00
53	145	-172.4	351.5	-0.0	-0.00	0.00	0.00
	146	172.4	351.5	-0.0	0.00	0.00	0.00
54	145	-110.8	351.5	-0.0	-0.00	0.00	0.00
	146	110.8	351.5	-0.0	0.00	0.00	0.00
55	145	71.3	351.5	-0.0	-0.00	0.00	0.00
	146	-71.3	351.5	-0.0	0.00	0.00	0.00
56	145	165.8	351.5	-0.0	-0.00	0.00	0.00
	146	-165.8	351.5	-0.0	0.00	0.00	0.00
57	145	142.6	351.5	-0.0	-0.00	0.00	0.00
	146	-142.6	351.5	-0.0	0.00	0.00	0.00
58	145	204.2	351.5	-0.0	-0.00	0.00	0.00
	146	-204.2	351.5	-0.0	0.00	0.00	0.00

1	146	26.4	513.7	-0.0	0.00	0.00	0.00
	147	-26.4	513.7	-0.0	-0.00	0.00	0.00
2	146	46.7	2376.7	-0.0	0.01	0.00	0.00
	147	-46.7	2376.7	-0.0	-0.01	0.00	0.00
3	146	-7621.1	2376.7	-0.0	0.01	0.00	0.00
	147	7621.1	2376.7	-0.0	-0.01	0.00	0.00
4	146	-7574.0	3270.9	-214.6	0.01	0.00	0.00
	147	7574.0	3270.9	-214.6	-0.01	0.00	0.00
5	146	-7582.1	2376.7	-0.0	0.01	0.00	0.00
	147	7582.1	2376.7	-0.0	-0.01	0.00	0.00
6	146	-7626.3	1706.0	161.0	0.01	0.00	0.00
	147	7626.3	1706.0	161.0	-0.01	0.00	0.00
7	146	7671.6	2376.7	-0.0	0.01	0.00	0.00
	147	-7671.6	2376.7	-0.0	-0.01	0.00	0.00
8	146	7718.7	3270.9	-214.6	0.01	0.00	0.00
	147	-7718.7	3270.9	-214.6	-0.01	0.00	0.00
9	146	7710.5	2376.7	-0.0	0.01	0.00	0.00
	147	-7710.5	2376.7	-0.0	-0.01	0.00	0.00
10	146	7666.3	1706.0	161.0	0.01	0.00	0.00
	147	-7666.3	1706.0	161.0	-0.01	0.00	0.00
11	146	-7645.5	1445.2	-0.0	0.01	0.00	0.00
	147	7645.5	1445.2	-0.0	-0.01	0.00	0.00
12	146	7647.2	1445.2	-0.0	0.01	0.00	0.00
	147	-7647.2	1445.2	-0.0	-0.01	0.00	0.00
13	146	-7566.9	2935.6	-357.7	0.01	0.00	0.00
	147	7566.9	2935.6	-357.7	-0.01	0.00	0.00
14	146	7725.7	2935.6	-357.7	0.01	0.00	0.00
	147	-7725.7	2935.6	-357.7	-0.01	0.00	0.00
15	146	-7580.6	1445.2	-0.0	0.01	0.00	0.00
	147	7580.6	1445.2	-0.0	-0.01	0.00	0.00
16	146	7712.0	1445.2	-0.0	0.01	0.00	0.00
	147	-7712.0	1445.2	-0.0	-0.01	0.00	0.00
17	146	-7654.3	327.4	268.3	0.00	0.00	0.00
	147	7654.3	327.4	268.3	-0.00	0.00	0.00
18	146	7638.4	327.4	268.3	0.00	0.00	0.00
	147	-7638.4	327.4	268.3	-0.00	0.00	0.00
19	146	-12728.7	1445.2	-0.0	0.01	0.00	0.00
	147	12728.7	1445.2	-0.0	-0.01	0.00	0.00
20	146	12759.0	1445.2	-0.0	0.01	0.00	0.00
	147	-12759.0	1445.2	-0.0	-0.01	0.00	0.00
21	146	-12681.6	2339.4	-214.6	0.01	0.00	0.00
	147	12681.6	2339.4	-214.6	-0.01	0.00	0.00
22	146	12806.1	2339.4	-214.6	0.01	0.00	0.00
	147	-12806.1	2339.4	-214.6	-0.01	0.00	0.00
23	146	-12689.8	1445.2	-0.0	0.01	0.00	0.00
	147	12689.8	1445.2	-0.0	-0.01	0.00	0.00
24	146	12797.9	1445.2	-0.0	0.01	0.00	0.00
	147	-12797.9	1445.2	-0.0	-0.01	0.00	0.00
25	146	-12734.0	774.5	161.0	0.00	0.00	0.00
	147	12734.0	774.5	161.0	-0.00	0.00	0.00
26	146	12753.7	774.5	161.0	0.00	0.00	0.00
	147	-12753.7	774.5	161.0	-0.00	0.00	0.00
27	146	44.7	1593.5	-0.0	0.01	0.00	0.00
	147	-44.7	1593.5	-0.0	-0.01	0.00	0.00
28	146	156.2	1593.5	-0.0	0.01	0.00	0.00

	147	-156.2	1593.5	-0.0	-0.01	0.00	0.00
29	146	-132.6	1593.5	-0.0	0.01	0.00	0.00
	147	132.6	1593.5	-0.0	-0.01	0.00	0.00
30	146	12.6	1593.5	-0.0	0.01	0.00	0.00
	147	-12.6	1593.5	-0.0	-0.01	0.00	0.00
31	146	-90.4	1593.5	-0.0	0.01	0.00	0.00
	147	90.4	1593.5	-0.0	-0.01	0.00	0.00
32	146	21.1	1593.5	-0.0	0.01	0.00	0.00
	147	-21.1	1593.5	-0.0	-0.01	0.00	0.00
33	146	238.9	1593.5	-0.0	0.01	0.00	0.00
	147	-238.9	1593.5	-0.0	-0.01	0.00	0.00
34	146	198.4	1593.5	-0.0	0.01	0.00	0.00
	147	-198.4	1593.5	-0.0	-0.01	0.00	0.00
35	146	26.1	972.5	-0.0	0.00	0.00	0.00
	147	-26.1	972.5	-0.0	-0.00	0.00	0.00
36	146	5.1	351.5	-0.0	0.00	0.00	0.00
	147	-5.1	351.5	-0.0	-0.00	0.00	0.00
37	146	36.5	947.6	-143.1	0.00	0.00	0.00
	147	-36.5	947.6	-143.1	-0.00	0.00	0.00
38	146	31.1	351.5	-0.0	0.00	0.00	0.00
	147	-31.1	351.5	-0.0	-0.00	0.00	0.00
39	146	1.6	-95.7	107.3	-0.00	0.00	0.00
	147	-1.6	-95.7	107.3	0.00	0.00	0.00
40	146	-5078.1	351.5	-0.0	0.00	0.00	0.00
	147	5078.1	351.5	-0.0	-0.00	0.00	0.00
41	146	5116.9	351.5	-0.0	0.00	0.00	0.00
	147	-5116.9	351.5	-0.0	-0.00	0.00	0.00
42	146	32.9	1593.5	-0.0	0.01	0.00	0.00
	147	-32.9	1593.5	-0.0	-0.01	0.00	0.00
43	146	47.9	1593.5	-0.0	0.01	0.00	0.00
	147	-47.9	1593.5	-0.0	-0.01	0.00	0.00
44	146	150.2	1593.5	-0.0	0.01	0.00	0.00
	147	-150.2	1593.5	-0.0	-0.01	0.00	0.00
45	146	-117.7	1593.5	-0.0	0.01	0.00	0.00
	147	117.7	1593.5	-0.0	-0.01	0.00	0.00
46	146	-157.4	1593.5	-0.0	0.01	0.00	0.00
	147	157.4	1593.5	-0.0	-0.01	0.00	0.00
47	146	-84.4	1593.5	-0.0	0.01	0.00	0.00
	147	84.4	1593.5	-0.0	-0.01	0.00	0.00
48	146	17.9	1593.5	-0.0	0.01	0.00	0.00
	147	-17.9	1593.5	-0.0	-0.01	0.00	0.00
49	146	223.2	1593.5	-0.0	0.01	0.00	0.00
	147	-223.2	1593.5	-0.0	-0.01	0.00	0.00
50	146	183.5	1593.5	-0.0	0.01	0.00	0.00
	147	-183.5	1593.5	-0.0	-0.01	0.00	0.00
51	146	31.9	351.5	-0.0	0.00	0.00	0.00
	147	-31.9	351.5	-0.0	-0.00	0.00	0.00
52	146	115.1	351.5	-0.0	0.00	0.00	0.00
	147	-115.1	351.5	-0.0	-0.00	0.00	0.00
53	146	-103.0	351.5	-0.0	0.00	0.00	0.00
	147	103.0	351.5	-0.0	-0.00	0.00	0.00
54	146	-135.5	351.5	-0.0	0.00	0.00	0.00
	147	135.5	351.5	-0.0	-0.00	0.00	0.00
55	146	-76.3	351.5	-0.0	0.00	0.00	0.00
	147	76.3	351.5	-0.0	-0.00	0.00	0.00
56	146	6.9	351.5	-0.0	0.00	0.00	0.00

	147	-6.9	351.5	-0.0	-0.00	0.00	0.00
57	146	174.3	351.5	-0.0	0.00	0.00	0.00
	147	-174.3	351.5	-0.0	-0.00	0.00	0.00
58	146	141.8	351.5	-0.0	0.00	0.00	0.00
	147	-141.8	351.5	-0.0	-0.00	0.00	0.00
1	164	1427.6	491.2	7.0	0.00	-0.01	-0.06
	165	-1427.6	1242.6	-7.0	-0.00	-0.01	-0.93
2	164	1951.7	1313.2	12.7	0.01	-0.02	0.37
	165	-1951.7	3012.6	-12.7	-0.01	-0.02	-1.96
3	164	-17617.6	916.5	67.2	-0.03	-0.13	-0.44
	165	17617.6	3409.4	-67.2	0.03	-0.08	-2.42
4	164	-17986.9	1324.6	-59.1	-0.03	-0.05	-0.20
	165	17986.9	4245.5	-279.8	0.03	-0.19	-2.89
5	164	-16218.8	826.7	72.9	-0.03	-0.14	-0.57
	165	16218.8	3499.1	-72.9	0.03	-0.09	-2.57
6	164	-15818.5	522.8	187.9	-0.04	-0.21	-0.74
	165	15818.5	2869.9	103.2	0.04	-0.00	-2.21
7	164	19944.7	1807.0	-47.8	0.06	0.10	1.32
	165	-19944.7	2518.8	47.8	-0.06	0.05	-1.33
8	164	19575.4	2215.1	-174.1	0.07	0.18	1.55
	165	-19575.4	3354.9	-164.8	-0.07	-0.06	-1.80
9	164	21343.5	1717.3	-42.2	0.06	0.09	1.19
	165	-21343.5	2608.6	42.2	-0.06	0.04	-1.48
10	164	21743.8	1413.3	72.9	0.05	0.02	1.02
	165	-21743.8	1979.4	218.2	-0.05	0.13	-1.12
11	164	-18405.1	537.8	62.4	-0.04	-0.12	-0.61
	165	18405.1	2492.0	-62.4	0.04	-0.08	-1.85
12	164	19157.2	1428.4	-52.6	0.05	0.11	1.15
	165	-19157.2	1601.5	52.6	-0.05	0.06	-0.76
13	164	-19020.7	1217.9	-148.1	-0.03	0.00	-0.22
	165	19020.7	3885.5	-416.7	0.03	-0.26	-2.64
14	164	18541.6	2108.5	-263.1	0.07	0.24	1.54
	165	-18541.6	2995.0	-301.7	-0.07	-0.12	-1.55
15	164	-16073.8	388.2	71.8	-0.03	-0.14	-0.83
	165	16073.8	2641.7	-71.8	0.03	-0.09	-2.10
16	164	21488.5	1278.7	-43.2	0.06	0.09	0.93
	165	-21488.5	1751.1	43.2	-0.06	0.05	-1.01
17	164	-15406.7	-118.3	263.5	-0.05	-0.26	-1.12
	165	15406.7	1593.0	221.6	0.05	0.06	-1.50
18	164	22155.7	772.2	148.5	0.04	-0.02	0.64
	165	-22155.7	702.4	336.7	-0.04	0.19	-0.41
19	164	-30400.4	208.6	102.7	-0.07	-0.20	-1.24
	165	30400.4	2821.2	-102.7	0.07	-0.12	-2.27
20	164	32203.4	1692.9	-89.0	0.08	0.19	1.69
	165	-32203.4	1337.0	89.0	-0.08	0.10	-0.45
21	164	-30769.8	616.7	-23.5	-0.06	-0.13	-1.01
	165	30769.8	3657.3	-315.3	0.06	-0.23	-2.74
22	164	31834.1	2100.9	-215.2	0.09	0.26	1.92
	165	-31834.1	2173.1	-123.6	-0.09	-0.01	-0.92
23	164	-29001.7	118.9	108.4	-0.07	-0.22	-1.38
	165	29001.7	2911.0	-108.4	0.07	-0.13	-2.42
24	164	33602.2	1603.1	-83.3	0.09	0.17	1.56
	165	-33602.2	1426.8	83.3	-0.09	0.09	-0.60
25	164	-28601.4	-185.1	223.4	-0.07	-0.29	-1.55
	165	28601.4	2281.8	67.7	0.07	-0.04	-2.06

	164	34002.5	1299.2	31.7	0.08	0.10	1.38
	165	-34002.5	797.6	259.4	-0.08	0.18	-0.24
27	164	6516.4	379.3	-9.8	-0.00	-0.00	-0.57
	165	-6516.4	2621.6	9.8	0.00	0.04	-2.26
28	164	4165.7	207.3	-37.4	-0.03	0.01	-0.84
	165	-4165.7	2793.7	37.4	0.03	0.11	-2.54
29	164	6521.7	1013.0	45.2	0.04	-0.03	0.41
	165	-6521.7	1988.0	-45.2	-0.04	-0.12	-1.21
30	164	257.6	1097.4	18.8	0.02	-0.02	0.52
	165	-257.6	1903.6	-18.8	-0.02	-0.04	-1.05
31	164	-1304.3	1616.4	55.4	0.05	-0.04	1.32
	165	1304.3	1384.6	-55.4	-0.05	-0.14	-0.19
32	164	-3655.0	1444.3	27.8	0.02	-0.02	1.04
	165	3655.0	1556.7	-27.8	-0.02	-0.07	-0.47
33	164	-1314.1	439.6	-46.8	-0.04	0.01	-0.50
	165	1314.1	2561.4	46.8	0.04	0.14	-2.14
34	164	-3660.3	810.7	-27.3	-0.02	0.00	0.06
	165	3660.3	2190.3	27.3	0.02	0.09	-1.52
35	164	1256.0	637.8	7.1	0.01	-0.01	0.09
	165	-1256.0	1499.2	-7.1	-0.01	-0.01	-1.02
36	164	555.8	396.2	3.2	0.00	-0.00	-0.00
	165	-555.8	876.8	-3.2	-0.00	-0.01	-0.62
37	164	309.6	668.2	-81.0	0.01	0.05	0.15
	165	-309.6	1434.2	-145.0	-0.01	-0.08	-0.94
38	164	1488.3	336.3	7.0	0.00	-0.01	-0.09
	165	-1488.3	936.7	-7.0	-0.00	-0.01	-0.73
39	164	1755.2	133.7	83.7	-0.00	-0.06	-0.21
	165	-1755.2	517.2	110.4	0.00	0.05	-0.49
40	164	-11439.5	67.0	43.6	-0.03	-0.09	-0.64
	165	11439.5	1206.0	-43.6	0.03	-0.05	-1.04
41	164	13602.1	660.7	-33.1	0.03	0.07	0.53
	165	-13602.1	612.3	33.1	-0.03	0.04	-0.32
42	164	1430.7	911.8	9.0	0.01	-0.01	0.24
	165	-1430.7	2089.2	-9.0	-0.01	-0.01	-1.37
43	164	6657.6	359.1	-10.1	-0.00	-0.01	-0.60
	165	-6657.6	2641.9	10.1	0.00	0.04	-2.30
44	164	4226.8	183.1	-38.4	-0.03	0.01	-0.88
	165	-4226.8	2817.9	38.4	0.03	0.12	-2.58
45	164	6685.5	1012.9	46.2	0.04	-0.03	0.41
	165	-6685.5	1988.1	-46.2	-0.04	-0.12	-1.21
46	164	4278.6	1397.3	66.1	0.06	-0.04	1.00
	165	-4278.6	1603.7	-66.1	-0.06	-0.18	-0.57
47	164	-1365.4	1640.5	56.4	0.05	-0.04	1.35
	165	1365.4	1360.4	-56.4	-0.05	-0.15	-0.15
48	164	-3796.2	1464.6	28.1	0.02	-0.02	1.07
	165	3796.2	1536.4	-28.1	-0.02	-0.07	-0.43
49	164	-1417.2	426.3	-48.2	-0.04	0.01	-0.52
	165	1417.2	2574.6	48.2	0.04	0.15	-2.16
50	164	-3824.1	810.8	-28.2	-0.02	0.00	0.06
	165	3824.1	2190.2	28.2	0.02	0.09	-1.52
51	164	5352.8	-85.2	-10.1	-0.01	-0.00	-0.73
	165	-5352.8	1358.2	10.1	0.01	0.03	-1.44
52	164	3379.2	-226.5	-32.8	-0.03	0.01	-0.96
	165	-3379.2	1499.5	32.8	0.03	0.10	-1.67
53	164	5356.1	443.4	35.0	0.03	-0.02	0.08
	165	-5356.1	829.6	-35.0	-0.03	-0.09	-0.56

	164	3385.3	755.2	51.0	0.04	-0.03	0.56
	165	-3385.3	517.7	-51.0	-0.04	-0.14	-0.04
55	164	-1216.6	954.2	43.2	0.03	-0.03	0.85
	165	1216.6	318.8	-43.2	-0.03	-0.11	0.31
56	164	-3190.3	812.9	20.5	0.01	-0.02	0.63
	165	3190.3	460.1	-20.5	-0.01	-0.05	0.08
57	164	-1222.7	-27.6	-40.6	-0.04	0.01	-0.66
	165	1222.7	1300.6	40.6	0.04	0.12	-1.32
58	164	-3193.6	284.2	-24.6	-0.02	0.00	-0.19
	165	3193.6	988.8	24.6	0.02	0.08	-0.80
1	165	678.4	1972.2	-31.8	0.10	0.03	1.57
	166	-678.4	-1077.1	31.8	-0.10	0.01	0.69
2	165	1689.2	5427.8	-145.9	0.29	0.14	4.33
	166	-1689.2	-2931.1	145.9	-0.29	0.07	1.87
3	165	-36643.0	5518.6	-287.0	0.38	0.30	4.48
	166	36643.0	-3021.9	287.0	-0.38	0.13	1.85
4	165	-36407.4	7277.3	-511.5	0.50	0.44	5.91
	166	36407.4	-4011.8	308.3	-0.50	0.17	2.46
5	165	-35898.6	5471.6	-315.4	0.38	0.32	4.36
	166	35898.6	-2974.9	315.4	-0.38	0.14	1.91
6	165	-36006.1	4142.4	-166.3	0.29	0.24	3.28
	166	36006.1	-2222.3	335.8	-0.29	0.13	1.44
7	165	39200.9	5386.8	27.3	0.19	-0.04	4.31
	166	-39200.9	-2890.1	-27.3	-0.19	0.00	1.83
8	165	39436.5	7145.5	-197.2	0.31	0.10	5.74
	166	-39436.5	-3880.1	-5.9	-0.31	0.05	2.44
9	165	39945.3	5339.8	-1.1	0.19	-0.02	4.19
	166	-39945.3	-2843.1	1.1	-0.19	0.02	1.88
10	165	39837.8	4010.6	148.0	0.11	-0.10	3.11
	166	-39837.8	-2090.5	21.5	-0.11	0.00	1.41
11	165	-37421.9	3807.3	-219.2	0.28	0.23	3.15
	166	37421.9	-2111.5	219.2	-0.28	0.09	1.24
12	165	38422.0	3675.6	95.1	0.10	-0.11	2.98
	166	-38422.0	-1979.7	-95.1	-0.10	-0.03	1.21
13	165	-37029.2	6738.6	-593.5	0.48	0.46	5.53
	166	37029.2	-3761.4	254.8	-0.48	0.16	2.26
14	165	38814.7	6606.8	-279.2	0.29	0.12	5.36
	166	-38814.7	-3629.6	-59.4	-0.29	0.04	2.23
15	165	-36181.2	3729.0	-266.6	0.29	0.28	2.94
	166	36181.2	-2033.1	266.6	-0.29	0.12	1.33
16	165	39662.7	3597.2	47.7	0.10	-0.06	2.77
	166	-39662.7	-1901.4	-47.7	-0.10	-0.01	1.31
17	165	-36360.4	1513.7	-18.1	0.14	0.14	1.14
	166	36360.4	-778.8	300.6	-0.14	0.09	0.56
18	165	39483.5	1381.9	296.2	-0.05	-0.20	0.98
	166	-39483.5	-647.0	-13.7	0.05	-0.03	0.53
19	165	-62429.7	3834.7	-334.7	0.35	0.36	3.16
	166	62429.7	-2138.8	334.7	-0.35	0.14	1.27
20	165	63976.8	3615.0	189.1	0.04	-0.21	2.88
	166	-63976.8	-1919.2	-189.1	-0.04	-0.07	1.23
21	165	-62194.1	5593.4	-559.2	0.47	0.50	4.59
	166	62194.1	-3128.8	356.1	-0.47	0.18	1.88
22	165	64212.5	5373.8	-35.4	0.15	-0.07	4.30
	166	-64212.5	-2909.1	-167.7	-0.15	-0.03	1.84
23	165	-61685.3	3787.7	-363.1	0.35	0.38	3.03

	166	61685.3	-2091.8	363.1	-0.35	0.16	1.33
24	165	64721.3	3568.0	160.7	0.04	-0.18	2.75
	166	-64721.3	-1872.2	-160.7	-0.04	-0.05	1.28
25	165	-61792.8	2458.5	-214.0	0.26	0.30	1.96
	166	61792.8	-1339.2	383.5	-0.26	0.14	0.86
26	165	64613.7	2238.8	309.8	-0.05	-0.27	1.68
	166	-64613.7	-1119.6	-140.3	0.05	-0.07	0.81
27	165	3437.1	3306.9	-39.7	0.22	0.03	1.99
	166	-3437.1	-1588.2	39.7	-0.22	0.02	1.59
28	165	1554.8	3460.4	90.7	0.35	-0.11	2.23
	166	-1554.8	-1741.7	-90.7	-0.35	-0.03	1.71
29	165	4717.4	3377.5	-278.6	0.01	0.29	2.33
	166	-4717.4	-1658.8	278.6	-0.01	0.12	1.19
30	165	795.4	3847.2	-135.8	0.17	0.14	3.24
	166	-795.4	-2128.5	135.8	-0.17	0.06	1.18
31	165	820.9	4020.1	-287.9	0.05	0.30	3.74
	166	-820.9	-2301.4	287.9	-0.05	0.13	0.87
32	165	-1061.4	4173.6	-157.5	0.18	0.16	3.97
	166	1061.4	-2454.9	157.5	-0.18	0.07	0.99
33	165	-1556.9	3889.1	155.9	0.43	-0.18	3.11
	166	1556.9	-2170.4	-155.9	-0.43	-0.05	1.61
34	165	-2341.7	4103.0	81.4	0.38	-0.10	3.64
	166	2341.7	-2384.3	-81.4	-0.38	-0.02	1.39
35	165	850.9	2588.4	-60.6	0.14	0.06	2.06
	166	-850.9	-1403.6	60.6	-0.14	0.03	0.90
36	165	240.5	1453.1	-11.9	0.07	0.01	1.19
	166	-240.5	-802.2	11.9	-0.07	0.00	0.48
37	165	397.6	2625.6	-161.6	0.15	0.11	2.14
	166	-397.6	-1462.1	26.1	-0.15	0.03	0.89
38	165	736.8	1421.8	-30.8	0.07	0.03	1.11
	166	-736.8	-770.8	30.8	-0.07	0.01	0.52
39	165	665.1	535.6	68.6	0.02	-0.02	0.39
	166	-665.1	-269.1	44.4	-0.02	0.00	0.21
40	165	-24767.3	1480.4	-127.3	0.14	0.14	1.20
	166	24767.3	-829.5	127.3	-0.14	0.05	0.51
41	165	25795.3	1392.6	82.2	0.01	-0.09	1.09
	166	-25795.3	-741.6	-82.2	-0.01	-0.03	0.49
42	165	1187.9	3740.3	-98.6	0.20	0.10	2.98
	166	-1187.9	-2021.6	98.6	-0.20	0.05	1.29
43	165	3516.7	3296.2	-37.5	0.22	0.03	1.96
	166	-3516.7	-1577.5	37.5	-0.22	0.02	1.60
44	165	1549.5	3452.0	97.5	0.35	-0.12	2.20
	166	-1549.5	-1733.3	-97.5	-0.35	-0.03	1.73
45	165	4870.2	3370.8	-285.0	0.00	0.30	2.32
	166	-4870.2	-1652.1	285.0	-0.00	0.12	1.18
46	165	4063.1	3590.5	-362.2	-0.05	0.38	2.86
	166	-4063.1	-1871.8	362.2	0.05	0.15	0.96
47	165	826.3	4028.5	-294.8	0.04	0.31	3.77
	166	-826.3	-2309.8	294.8	-0.04	0.13	0.85
48	165	-1141.0	4184.3	-159.7	0.18	0.16	4.00
	166	1141.0	-2465.6	159.7	-0.18	0.08	0.98
49	165	-1687.4	3890.0	165.0	0.45	-0.19	3.10
	166	1687.4	-2171.3	-165.0	-0.45	-0.05	1.62
50	165	-2494.5	4109.7	87.8	0.39	-0.11	3.64
	166	2494.5	-2391.0	-87.8	-0.39	-0.02	1.40
51	165	2403.6	1073.9	26.2	0.09	-0.03	0.32

	166	-2403.6	-422.9	-26.2	-0.09	-0.01	0.75
52	165	818.6	1201.0	134.5	0.20	-0.15	0.51
	166	-818.6	-550.0	-134.5	-0.20	-0.05	0.86
53	165	3484.8	1134.9	-172.1	-0.08	0.19	0.61
	166	-3484.8	-484.0	172.1	0.08	0.07	0.42
54	165	2826.6	1314.4	-233.9	-0.12	0.25	1.05
	166	-2826.6	-663.4	233.9	0.12	0.09	0.23
55	165	209.5	1672.0	-179.6	-0.05	0.19	1.78
	166	-209.5	-1021.1	179.6	0.05	0.07	0.15
56	165	-1375.5	1799.2	-71.3	0.06	0.08	1.98
	166	1375.5	-1148.2	71.3	-0.06	0.03	0.25
57	165	-1798.6	1558.6	188.7	0.27	-0.21	1.25
	166	1798.6	-907.7	-188.7	-0.27	-0.07	0.77
58	165	-2456.8	1738.1	127.0	0.23	-0.14	1.69
	166	2456.8	-1087.1	-127.0	-0.23	-0.05	0.59
1	166	688.7	426.0	0.6	0.00	-0.03	-0.67
	167	-688.7	469.6	-0.6	-0.00	0.03	0.64
2	166	1706.0	1196.7	4.9	0.00	-0.10	-1.82
	167	-1706.0	1301.6	-4.9	-0.00	0.09	1.74
3	166	-36541.4	1334.3	266.7	0.02	-0.24	-1.77
	167	36541.4	1164.1	-266.7	-0.02	-0.15	1.90
4	166	-36304.5	1706.1	181.6	0.02	-0.29	-2.37
	167	36304.5	1561.6	-384.9	-0.02	-0.13	2.48
5	166	-35796.1	1272.9	282.4	0.02	-0.26	-1.83
	167	35796.1	1225.5	-282.4	-0.02	-0.16	1.87
6	166	-35911.0	997.8	361.4	0.02	-0.24	-1.38
	167	35911.0	923.5	-191.8	-0.02	-0.17	1.43
7	166	39132.6	1125.2	-273.7	-0.01	0.07	-1.80
	167	-39132.6	1373.2	273.7	0.01	0.34	1.62
8	166	39369.5	1496.9	-358.8	-0.01	0.03	-2.40
	167	-39369.5	1770.7	155.5	0.01	0.36	2.20
9	166	39877.9	1063.8	-258.1	-0.02	0.05	-1.86
	167	-39877.9	1434.6	258.1	0.02	0.33	1.58
10	166	39763.0	788.7	-179.0	-0.02	0.07	-1.40
	167	-39763.0	1132.7	348.6	0.02	0.32	1.15
11	166	-37323.5	970.9	259.0	0.02	-0.20	-1.18
	167	37323.5	726.1	-259.0	-0.02	-0.18	1.36
12	166	38350.5	761.8	-281.5	-0.01	0.11	-1.21
	167	-38350.5	935.2	281.5	0.01	0.31	1.08
13	166	-36928.8	1590.6	117.1	0.02	-0.27	-2.17
	167	36928.8	1388.6	-455.9	-0.02	-0.15	2.32
14	166	38745.2	1381.4	-423.4	-0.01	0.04	-2.20
	167	-38745.2	1597.7	84.5	0.01	0.34	2.04
15	166	-36081.5	868.6	285.0	0.01	-0.23	-1.27
	167	36081.5	828.4	-285.0	-0.01	-0.19	1.30
16	166	39592.5	659.5	-255.4	-0.02	0.08	-1.30
	167	-39592.5	1037.5	255.4	0.02	0.30	1.02
17	166	-36272.9	410.2	416.8	0.01	-0.20	-0.52
	167	36272.9	325.2	-134.1	-0.01	-0.21	0.58
18	166	39401.1	201.1	-123.6	-0.02	0.11	-0.54
	167	-39401.1	534.3	406.3	0.02	0.28	0.30
19	166	-62274.7	1018.6	444.7	0.03	-0.31	-1.19
	167	62274.7	678.4	-444.7	-0.03	-0.35	1.44
20	166	63848.7	670.1	-456.0	-0.02	0.21	-1.24
	167	-63848.7	1026.9	456.0	0.02	0.47	0.97

	166	-62037.8	1390.4	359.6	0.03	-0.36	-1.79
	167	62037.8	1075.9	-562.9	-0.03	-0.33	2.02
22	166	64085.5	1041.9	-541.2	-0.02	0.16	-1.83
	167	-64085.5	1424.4	337.8	0.02	0.49	1.55
23	166	-61529.4	957.2	460.3	0.03	-0.33	-1.25
	167	61529.4	739.8	-460.3	-0.03	-0.35	1.41
24	166	64593.9	608.7	-440.4	-0.03	0.19	-1.29
	167	-64593.9	1088.3	440.4	0.03	0.46	0.94
25	166	-61644.3	682.2	539.4	0.03	-0.31	-0.79
	167	61644.3	437.8	-369.8	-0.03	-0.36	0.97
26	166	64479.0	333.7	-361.3	-0.03	0.21	-0.84
	167	-64479.0	786.3	530.9	0.03	0.45	0.50
27	166	3490.5	373.2	117.1	0.00	-0.15	-1.53
	167	-3490.5	1346.6	-117.1	-0.00	-0.02	0.89
28	166	1735.1	472.5	252.0	0.02	-0.28	-1.62
	167	-1735.1	1247.4	-252.0	-0.02	-0.10	0.97
29	166	4548.9	537.4	-167.6	-0.02	0.10	-1.20
	167	-4548.9	1182.4	167.6	0.02	0.15	0.99
30	166	775.3	942.9	-52.1	-0.00	-0.02	-1.16
	167	-775.3	777.0	52.1	0.00	0.10	1.28
31	166	663.5	1173.3	-246.9	-0.02	0.14	-0.89
	167	-663.5	546.6	246.9	0.02	0.22	1.43
32	166	-1091.8	1272.5	-112.1	-0.00	0.02	-0.98
	167	1091.8	447.4	112.1	0.00	0.15	1.51
33	166	-1302.2	868.3	281.8	0.03	-0.32	-1.51
	167	1302.2	851.5	-281.8	-0.03	-0.10	1.25
34	166	-2150.3	1108.3	172.6	0.02	-0.23	-1.31
	167	2150.3	611.5	-172.6	-0.02	-0.03	1.41
35	166	860.2	566.0	1.1	0.00	-0.04	-0.87
	167	-860.2	619.7	-1.1	-0.00	0.04	0.83
36	166	247.6	331.1	-6.0	0.00	-0.02	-0.47
	167	-247.6	320.3	6.0	-0.00	0.02	0.48
37	166	405.5	578.9	-62.7	0.00	-0.04	-0.87
	167	-405.5	585.3	-72.8	-0.00	0.03	0.86
38	166	744.4	290.1	4.5	0.00	-0.03	-0.51
	167	-744.4	361.2	-4.5	-0.00	0.02	0.45
39	166	667.8	106.8	57.2	0.00	-0.01	-0.20
	167	-667.8	160.0	55.9	-0.00	0.01	0.16
40	166	-24703.5	378.8	179.8	0.01	-0.12	-0.48
	167	24703.5	272.6	-179.8	-0.01	-0.14	0.56
41	166	25745.8	239.4	-180.5	-0.01	0.08	-0.50
	167	-25745.8	412.0	180.5	0.01	0.18	0.37
42	166	1199.3	822.9	2.5	0.00	-0.07	-1.26
	167	-1199.3	897.0	-2.5	-0.00	0.06	1.20
43	166	3562.2	359.1	122.0	0.00	-0.15	-1.54
	167	-3562.2	1360.8	-122.0	-0.00	-0.03	0.88
44	166	1730.8	459.1	263.1	0.02	-0.29	-1.64
	167	-1730.8	1260.7	-263.1	-0.02	-0.11	0.96
45	166	4685.7	531.9	-175.7	-0.02	0.11	-1.20
	167	-4685.7	1187.9	175.7	0.02	0.15	0.98
46	166	3817.4	780.2	-289.7	-0.03	0.20	-0.99
	167	-3817.4	939.7	289.7	0.03	0.23	1.15
47	166	667.8	1186.6	-258.1	-0.02	0.15	-0.87
	167	-667.8	533.3	258.1	0.02	0.23	1.44
48	166	-1163.6	1286.7	-117.0	-0.00	0.02	-0.97
	167	1163.6	433.2	117.0	0.00	0.15	1.52

	166	-1418.8	865.6	294.7	0.03	-0.33	-1.52
	167	1418.8	854.3	-294.7	-0.03	-0.11	1.25
50	166	-2287.1	1113.8	180.7	0.03	-0.24	-1.31
	167	2287.1	606.0	-180.7	-0.03	-0.03	1.42
51	166	2444.7	-67.7	95.9	0.00	-0.09	-0.72
	167	-2444.7	719.1	-95.9	-0.00	-0.05	0.20
52	166	967.4	13.5	208.7	0.02	-0.20	-0.80
	167	-967.4	637.9	-208.7	-0.02	-0.11	0.27
53	166	3338.7	73.0	-142.7	-0.02	0.12	-0.44
	167	-3338.7	578.4	142.7	0.02	0.09	0.29
54	166	2627.7	274.7	-234.3	-0.02	0.19	-0.28
	167	-2627.7	376.7	234.3	0.02	0.16	0.42
55	166	74.8	604.7	-209.5	-0.01	0.16	-0.18
	167	-74.8	46.7	209.5	0.01	0.16	0.66
56	166	-1402.5	685.8	-96.6	0.00	0.05	-0.26
	167	1402.5	-34.4	96.6	-0.00	0.09	0.73
57	166	-1585.5	343.5	233.5	0.03	-0.23	-0.70
	167	1585.5	307.9	-233.5	-0.03	-0.11	0.50
58	166	-2296.5	545.2	141.9	0.02	-0.16	-0.54
	167	2296.5	106.2	-141.9	-0.02	-0.05	0.64
1	167	689.5	-1108.7	69.0	-0.08	-0.03	-0.65
	168	-689.5	2003.7	-69.0	0.08	-0.07	-1.66
2	167	1703.5	-3031.3	201.2	-0.28	-0.10	-1.78
	168	-1703.5	5528.0	-201.2	0.28	-0.20	-4.57
3	167	-36527.5	-3104.7	-136.9	-0.33	0.13	-1.94
	168	36527.5	5601.4	136.9	0.33	0.07	-4.52
4	167	-36279.6	-4114.5	-101.3	-0.43	0.09	-2.53
	168	36279.6	7380.0	-101.9	0.43	-0.09	-6.00
5	167	-35778.3	-3185.6	-136.1	-0.34	0.13	-1.90
	168	35778.3	5682.3	136.1	0.34	0.07	-4.67
6	167	-35902.3	-2420.2	-155.7	-0.26	0.16	-1.46
	168	35902.3	4340.2	325.2	0.26	0.20	-3.55
7	167	39110.0	-2870.1	539.3	-0.23	-0.32	-1.66
	168	-39110.0	5366.8	-539.3	0.23	-0.48	-4.45
8	167	39357.8	-3880.0	575.0	-0.34	-0.36	-2.25
	168	-39357.8	7145.4	-778.2	0.34	-0.64	-5.93
9	167	39859.2	-2951.0	540.2	-0.24	-0.32	-1.62
	168	-39859.2	5447.7	-540.2	0.24	-0.48	-4.60
10	167	39735.1	-2185.6	520.5	-0.16	-0.29	-1.18
	168	-39735.1	4105.7	-351.0	0.16	-0.36	-3.48
11	167	-37309.3	-2114.1	-202.9	-0.22	0.16	-1.38
	168	37309.3	3810.0	202.9	0.22	0.14	-3.01
12	167	38328.2	-1879.6	473.3	-0.13	-0.29	-1.10
	168	-38328.2	3575.4	-473.3	0.13	-0.41	-2.94
13	167	-36896.2	-3797.2	-143.5	-0.40	0.10	-2.36
	168	36896.2	6774.3	-195.1	0.40	-0.14	-5.47
14	167	38741.3	-3562.6	532.7	-0.31	-0.35	-2.09
	168	-38741.3	6539.8	-871.4	0.31	-0.69	-5.41
15	167	-36060.6	-2249.0	-201.5	-0.24	0.16	-1.33
	168	36060.6	3944.8	201.5	0.24	0.14	-3.27
16	167	39576.8	-2014.4	474.7	-0.14	-0.29	-1.05
	168	-39576.8	3710.3	-474.7	0.14	-0.42	-3.20
17	167	-36267.3	-973.2	-234.3	-0.11	0.21	-0.59
	168	36267.3	1708.1	516.8	0.11	0.35	-1.40
18	167	39370.1	-738.7	441.9	-0.01	-0.24	-0.31

	168	-39370.1	1473.6	-159.4	0.01	-0.21	-1.33
19	167	-62246.9	-2221.6	-428.4	-0.26	0.31	-1.46
	168	62246.9	3917.4	428.4	0.26	0.32	-3.09
20	167	63815.5	-1830.6	698.7	-0.10	-0.44	-1.00
	168	-63815.5	3526.5	-698.7	0.10	-0.60	-2.97
21	167	-61999.1	-3231.4	-392.7	-0.37	0.27	-2.05
	168	61999.1	5696.0	189.6	0.37	0.16	-4.57
22	167	64063.3	-2840.5	734.3	-0.20	-0.48	-1.59
	168	-64063.3	5305.1	-937.5	0.20	-0.76	-4.45
23	167	-61497.8	-2302.5	-427.5	-0.27	0.31	-1.43
	168	61497.8	3998.3	427.5	0.27	0.32	-3.24
24	167	64564.7	-1911.5	699.5	-0.11	-0.44	-0.96
	168	-64564.7	3607.4	-699.5	0.11	-0.60	-3.13
25	167	-61621.8	-1537.0	-447.2	-0.19	0.34	-0.99
	168	61621.8	2656.3	616.7	0.19	0.45	-2.12
26	167	64440.6	-1146.1	679.9	-0.03	-0.41	-0.52
	168	-64440.6	2265.4	-510.4	0.03	-0.47	-2.01
27	167	3578.3	-2452.8	252.3	-0.21	-0.09	-0.87
	168	-3578.3	4171.5	-252.3	0.21	-0.28	-3.96
28	167	1957.4	-2571.1	543.8	-0.23	-0.22	-0.96
	168	-1957.4	4289.8	-543.8	0.23	-0.59	-4.21
29	167	4369.8	-2020.5	-270.5	-0.16	0.12	-1.00
	168	-4369.8	3739.2	270.5	0.16	0.28	-3.02
30	167	725.8	-1965.5	58.7	-0.18	-0.04	-1.32
	168	-725.8	3684.2	-58.7	0.18	-0.05	-2.87
31	167	436.7	-1612.0	-269.7	-0.16	0.09	-1.50
	168	-436.7	3330.8	269.7	0.16	0.31	-2.09
32	167	-1184.2	-1730.4	21.8	-0.18	-0.04	-1.58
	168	1184.2	3449.1	-21.8	0.18	0.01	-2.34
33	167	-1033.2	-2414.9	701.2	-0.24	-0.31	-1.27
	168	1033.2	4133.6	-701.2	0.24	-0.74	-3.84
34	167	-1975.7	-2162.7	544.6	-0.22	-0.25	-1.46
	168	1975.7	3881.4	-544.6	0.22	-0.56	-3.28
35	167	859.0	-1450.7	93.0	-0.13	-0.04	-0.85
	168	-859.0	2635.5	-93.0	0.13	-0.09	-2.18
36	167	246.2	-780.6	49.0	-0.06	-0.02	-0.48
	168	-246.2	1431.5	-49.0	0.06	-0.05	-1.16
37	167	411.5	-1453.8	72.8	-0.13	-0.05	-0.88
	168	-411.5	2617.3	-208.2	0.13	-0.16	-2.14
38	167	745.7	-834.5	49.6	-0.06	-0.02	-0.46
	168	-745.7	1485.5	-49.6	0.06	-0.05	-1.26
39	167	663.0	-324.2	36.5	-0.01	-0.00	-0.17
	168	-663.0	590.8	76.5	0.01	0.03	-0.51
40	167	-24691.4	-888.0	-176.4	-0.09	0.13	-0.56
	168	24691.4	1539.0	176.4	0.09	0.13	-1.24
41	167	25733.5	-731.7	274.4	-0.03	-0.17	-0.38
	168	-25733.5	1382.6	-274.4	0.03	-0.23	-1.19
42	167	1197.0	-2091.6	137.1	-0.19	-0.06	-1.23
	168	-1197.0	3810.3	-137.1	0.19	-0.14	-3.15
43	167	3646.4	-2466.0	258.1	-0.21	-0.10	-0.86
	168	-3646.4	4184.7	-258.1	0.21	-0.29	-3.99
44	167	1959.1	-2588.9	563.4	-0.23	-0.23	-0.95
	168	-1959.1	4307.6	-563.4	0.23	-0.61	-4.25
45	167	4490.8	-2017.6	-289.5	-0.16	0.13	-0.99
	168	-4490.8	3736.3	289.5	0.16	0.30	-3.01
46	167	3527.4	-1756.1	-453.8	-0.15	0.19	-1.19

	168	-3527.4	3474.8	453.8	0.15	0.49	-2.43
47	167	434.9	-1594.3	-289.3	-0.15	0.10	-1.51
	168	-434.9	3313.0	289.3	0.15	0.33	-2.05
48	167	-1252.3	-1717.2	16.0	-0.18	-0.03	-1.59
	168	1252.3	3435.9	-16.0	0.18	0.01	-2.31
49	167	-1133.3	-2427.1	727.9	-0.24	-0.32	-1.27
	168	1133.3	4145.8	-727.9	0.24	-0.76	-3.87
50	167	-2096.7	-2165.6	563.6	-0.22	-0.26	-1.46
	168	2096.7	3884.3	-563.6	0.22	-0.58	-3.28
51	167	2519.4	-1114.0	145.3	-0.07	-0.05	-0.18
	168	-2519.4	1765.0	-145.3	0.07	-0.17	-1.90
52	167	1156.5	-1212.3	389.9	-0.09	-0.15	-0.24
	168	-1156.5	1863.3	-389.9	0.09	-0.43	-2.10
53	167	3187.7	-752.0	-293.2	-0.04	0.13	-0.28
	168	-3187.7	1403.0	293.2	0.04	0.30	-1.11
54	167	2397.6	-540.0	-424.4	-0.02	0.18	-0.44
	168	-2397.6	1190.9	424.4	0.02	0.45	-0.63
55	167	-114.4	-407.3	-292.0	-0.03	0.11	-0.70
	168	114.4	1058.3	292.0	0.03	0.33	-0.32
56	167	-1477.3	-505.6	-47.3	-0.05	0.00	-0.77
	168	1477.3	1156.6	47.3	0.05	0.07	-0.53
57	167	-1355.5	-1079.7	522.3	-0.10	-0.23	-0.50
	168	1355.5	1730.6	-522.3	0.10	-0.55	-1.79
58	167	-2145.6	-867.7	391.1	-0.08	-0.18	-0.66
	168	2145.6	1518.6	-391.1	0.08	-0.40	-1.32
1	168	-256.0	1813.6	-15.1	0.05	0.01	1.38
	169	256.0	-968.7	15.1	-0.05	0.01	0.57
2	168	-504.7	4979.4	-116.8	0.22	0.10	3.77
	169	504.7	-2622.4	116.8	-0.22	0.06	1.55
3	168	-43548.1	5443.1	1242.2	0.29	-1.12	4.28
	169	43548.1	-3086.1	-1242.2	-0.29	-0.62	1.69
4	168	-43910.2	7030.1	965.7	0.38	-0.91	5.49
	169	43910.2	-3947.4	-1157.5	-0.38	-0.57	2.19
5	168	-43195.8	5371.3	1242.2	0.29	-1.14	4.13
	169	43195.8	-3014.3	-1242.2	-0.29	-0.60	1.74
6	168	-42900.8	4176.9	1436.9	0.22	-1.27	3.22
	169	42900.8	-2364.3	-1276.9	-0.22	-0.63	1.36
7	168	42156.6	4592.8	-1474.5	0.15	1.35	3.42
	169	-42156.6	-2235.9	1474.5	-0.15	0.72	1.36
8	168	41794.5	6179.8	-1751.0	0.24	1.56	4.63
	169	-41794.5	-3097.1	1559.2	-0.24	0.76	1.86
9	168	42509.0	4521.0	-1474.4	0.15	1.33	3.27
	169	-42509.0	-2164.1	1474.4	-0.15	0.73	1.41
10	168	42803.9	3326.6	-1279.7	0.09	1.19	2.36
	169	-42803.9	-1514.0	1439.7	-0.09	0.71	1.03
11	168	-43551.1	3885.9	1293.5	0.20	-1.17	3.13
	169	43551.1	-2285.0	-1293.5	-0.20	-0.65	1.18
12	168	42153.6	3035.6	-1423.1	0.07	1.30	2.27
	169	-42153.6	-1434.7	1423.1	-0.07	0.69	0.85
13	168	-44154.6	6530.9	832.7	0.35	-0.82	5.16
	169	44154.6	-3720.4	-1152.3	-0.35	-0.57	2.02
14	168	41550.1	5680.7	-1884.0	0.22	1.65	4.30
	169	-41550.1	-2870.1	1564.3	-0.22	0.76	1.69
15	168	-42963.8	3766.3	1293.6	0.21	-1.19	2.89
	169	42963.8	-2165.3	-1293.6	-0.21	-0.62	1.26

	168	42740.9	2916.0	-1423.1	0.07	1.28	2.03
	169	-42740.9	-1315.0	1423.1	-0.07	0.71	0.93
17	168	-42472.2	1775.6	1618.1	0.10	-1.42	1.37
	169	42472.2	-1081.9	-1351.4	-0.10	-0.66	0.63
18	168	43232.5	925.4	-1098.5	-0.04	1.05	0.51
	169	-43232.5	-231.6	1365.2	0.04	0.67	0.30
19	168	-71992.0	4143.6	2198.6	0.25	-1.99	3.37
	169	71992.0	-2542.7	-2198.6	-0.25	-1.08	1.31
20	168	70849.2	2726.5	-2329.1	0.02	2.12	1.94
	169	-70849.2	-1125.6	2329.1	-0.02	1.14	0.76
21	168	-72354.1	5730.6	1922.1	0.34	-1.78	4.58
	169	72354.1	-3403.9	-2113.9	-0.34	-1.04	1.81
22	168	70487.1	4313.5	-2605.6	0.11	2.33	3.15
	169	-70487.1	-1986.8	2413.8	-0.11	1.18	1.26
23	168	-71639.6	4071.8	2198.6	0.25	-2.01	3.22
	169	71639.6	-2470.9	-2198.6	-0.25	-1.07	1.36
24	168	71201.6	2654.7	-2329.1	0.02	2.11	1.79
	169	-71201.6	-1053.8	2329.1	-0.02	1.16	0.81
25	168	-71344.7	2877.5	2393.4	0.19	-2.14	2.31
	169	71344.7	-1820.8	-2233.4	-0.19	-1.09	0.98
26	168	71496.5	1460.4	-2134.4	-0.04	1.97	0.88
	169	-71496.5	-403.7	2294.4	0.04	1.13	0.43
27	168	-464.9	2925.4	64.8	0.13	-0.08	1.52
	169	464.9	-1302.9	-64.8	-0.13	-0.02	1.35
28	168	-1463.4	3054.9	317.4	0.14	-0.34	1.77
	169	1463.4	-1432.3	-317.4	-0.14	-0.11	1.46
29	168	1121.2	3084.0	-419.9	0.12	0.42	1.91
	169	-1121.2	-1461.5	419.9	-0.12	0.17	0.99
30	168	-182.1	3565.2	-161.8	0.15	0.16	2.88
	169	182.1	-1942.7	161.8	-0.15	0.07	0.97
31	168	738.3	3810.1	-478.2	0.16	0.48	3.43
	169	-738.3	-2187.6	478.2	-0.16	0.19	0.68
32	168	-260.2	3939.6	-225.6	0.17	0.22	3.67
	169	260.2	-2317.1	225.6	-0.17	0.10	0.79
33	168	-2207.2	3515.6	422.1	0.17	-0.45	2.72
	169	2207.2	-1893.0	-422.1	-0.17	-0.15	1.36
34	168	-1846.2	3781.0	259.2	0.18	-0.28	3.29
	169	1846.2	-2158.5	-259.2	-0.18	-0.09	1.16
35	168	-279.6	2377.3	-46.5	0.09	0.04	1.80
	169	279.6	-1258.7	46.5	-0.09	0.03	0.74
36	168	-324.0	1347.7	-12.1	0.04	0.01	1.06
	169	324.0	-733.2	12.1	-0.04	0.00	0.40
37	168	-565.4	2405.7	-196.4	0.10	0.15	1.87
	169	565.4	-1307.4	68.5	-0.10	0.03	0.73
38	168	-89.1	1299.9	-12.1	0.04	0.00	0.96
	169	89.1	-685.3	12.1	-0.04	0.01	0.43
39	168	107.5	503.6	117.8	-0.00	-0.09	0.35
	169	-107.5	-252.0	-11.1	0.00	-0.00	0.18
40	168	-28764.9	1605.4	893.0	0.08	-0.82	1.29
	169	28764.9	-990.9	-893.0	-0.08	-0.44	0.53
41	168	28371.6	1038.6	-918.1	-0.01	0.83	0.72
	169	-28371.6	-424.1	918.1	0.01	0.45	0.31
42	168	-362.5	3432.5	-80.4	0.15	0.07	2.60
	169	362.5	-1810.0	80.4	-0.15	0.04	1.07
43	168	-472.0	2912.0	73.6	0.13	-0.09	1.49
	169	472.0	-1289.5	-73.6	-0.13	-0.02	1.36

	168	-1518.8	3040.3	332.7	0.14	-0.35	1.74
	169	1518.8	-1417.8	-332.7	-0.14	-0.11	1.48
45	168	1192.3	3081.8	-427.0	0.12	0.43	1.89
	169	-1192.3	-1459.3	427.0	-0.12	0.17	0.98
46	168	1572.0	3355.6	-597.1	0.13	0.60	2.49
	169	-1572.0	-1733.0	597.1	-0.13	0.23	0.77
47	168	793.8	3824.7	-493.4	0.16	0.50	3.46
	169	-793.8	-2202.1	493.4	-0.16	0.20	0.66
48	168	-253.1	3952.9	-234.4	0.17	0.23	3.71
	169	253.1	-2330.4	234.4	-0.17	0.10	0.78
49	168	-2297.1	3509.4	436.4	0.17	-0.46	2.71
	169	2297.1	-1886.9	-436.4	-0.17	-0.15	1.37
50	168	-1917.4	3783.2	266.3	0.18	-0.29	3.30
	169	1917.4	-2160.7	-266.3	-0.18	-0.09	1.16
51	168	-283.0	898.0	110.9	0.02	-0.12	0.10
	169	283.0	-283.4	-110.9	-0.02	-0.04	0.65
52	168	-1124.4	1003.0	318.6	0.03	-0.33	0.30
	169	1124.4	-388.5	-318.6	-0.03	-0.11	0.75
53	168	1053.6	1035.5	-290.6	0.01	0.29	0.43
	169	-1053.6	-421.0	290.6	-0.01	0.11	0.35
54	168	1357.8	1258.4	-426.9	0.02	0.43	0.91
	169	-1357.8	-643.9	426.9	-0.02	0.16	0.17
55	168	731.0	1641.0	-343.7	0.05	0.35	1.71
	169	-731.0	-1026.5	343.7	-0.05	0.13	0.08
56	168	-110.4	1746.1	-135.9	0.06	0.13	1.91
	169	110.4	-1131.5	135.9	-0.06	0.06	0.18
57	168	-1751.2	1385.6	401.9	0.06	-0.42	1.10
	169	1751.2	-771.1	-401.9	-0.06	-0.14	0.66
58	168	-1446.9	1608.5	265.5	0.06	-0.28	1.58
	169	1446.9	-994.0	-265.5	-0.06	-0.09	0.49
1	169	-231.7	402.0	25.1	-0.00	-0.05	-0.55
	170	231.7	443.0	-25.1	0.00	0.01	0.52
2	169	-471.3	1118.2	22.9	-0.01	-0.10	-1.50
	170	471.3	1238.8	-22.9	0.01	0.07	1.42
3	169	-43188.1	1204.5	170.6	-0.01	0.12	-1.54
	170	43188.1	1152.5	-170.6	0.01	-0.36	1.57
4	169	-43589.4	1540.6	4.0	-0.01	0.15	-2.04
	170	43589.4	1542.1	-195.8	0.01	-0.29	2.04
5	169	-42822.7	1144.2	210.9	-0.00	0.09	-1.58
	170	42822.7	1212.8	-210.9	0.00	-0.38	1.53
6	169	-42508.5	893.8	326.9	-0.00	0.08	-1.20
	170	42508.5	918.9	-166.9	0.00	-0.42	1.18
7	169	41849.3	1095.9	-169.7	-0.01	-0.29	-1.42
	170	-41849.3	1261.0	169.7	0.01	0.52	1.31
8	169	41448.1	1432.0	-336.3	-0.01	-0.26	-1.92
	170	-41448.1	1650.7	144.5	0.01	0.60	1.77
9	169	42214.7	1035.7	-129.4	-0.00	-0.32	-1.46
	170	-42214.7	1321.3	129.4	0.00	0.50	1.26
10	169	42529.0	785.2	-13.4	-0.00	-0.33	-1.08
	170	-42529.0	1027.4	173.4	0.00	0.47	0.91
11	169	-43200.4	867.7	156.8	-0.01	0.17	-1.05
	170	43200.4	733.2	-156.8	0.01	-0.39	1.14
12	169	41837.1	759.2	-183.5	-0.01	-0.25	-0.93
	170	-41837.1	841.8	183.5	0.01	0.50	0.87
13	169	-43869.1	1427.9	-121.0	-0.01	0.21	-1.88

	170	43869.1	1382.6	-198.7	0.01	-0.26	1.91
14	169	41168.3	1319.4	-461.3	-0.01	-0.20	-1.76
	170	-41168.3	1491.2	141.6	0.01	0.63	1.64
15	169	-42591.4	767.3	223.9	-0.00	0.10	-1.11
	170	42591.4	833.7	-223.9	0.00	-0.42	1.07
16	169	42446.1	658.8	-116.4	-0.00	-0.31	-1.00
	170	-42446.1	942.2	116.4	0.00	0.47	0.80
17	169	-42067.7	349.9	417.3	-0.00	0.09	-0.48
	170	42067.7	343.9	-150.6	0.00	-0.48	0.49
18	169	42969.8	241.4	77.0	-0.00	-0.33	-0.37
	170	-42969.8	452.4	189.7	0.00	0.40	0.22
19	169	-71414.1	882.5	285.2	-0.00	0.29	-1.10
	170	71414.1	718.4	-285.2	0.00	-0.69	1.21
20	169	70315.0	701.7	-282.0	-0.01	-0.40	-0.91
	170	-70315.0	899.3	282.0	0.01	0.79	0.77
21	169	-71815.4	1218.6	118.5	-0.01	0.31	-1.60
	170	71815.4	1108.1	-310.3	0.01	-0.61	1.68
22	169	69913.7	1037.8	-448.7	-0.01	-0.37	-1.41
	170	-69913.7	1288.9	256.9	0.01	0.87	1.23
23	169	-71048.7	822.3	325.5	-0.00	0.25	-1.14
	170	71048.7	778.7	-325.5	0.00	-0.71	1.17
24	169	70680.4	641.4	-241.7	-0.00	-0.43	-0.95
	170	-70680.4	959.6	241.7	0.00	0.77	0.72
25	169	-70734.5	571.8	441.5	-0.00	0.24	-0.76
	170	70734.5	484.8	-281.5	0.00	-0.75	0.82
26	169	70994.6	391.0	-125.7	-0.00	-0.44	-0.57
	170	-70994.6	665.7	285.7	0.00	0.73	0.38
27	169	647.3	253.4	60.9	0.01	-0.10	-1.30
	170	-647.3	1369.1	-60.9	-0.01	0.01	0.60
28	169	-236.5	370.3	178.3	0.01	-0.19	-1.38
	170	236.5	1252.2	-178.3	-0.01	-0.07	0.69
29	169	1296.7	436.6	-149.6	-0.00	0.05	-0.99
	170	-1296.7	1185.9	149.6	0.00	0.16	0.73
30	169	-503.4	905.5	-16.9	-0.01	-0.05	-0.94
	170	503.4	717.0	16.9	0.01	0.07	1.08
31	169	-443.2	1166.7	-149.1	-0.01	0.05	-0.69
	170	443.2	455.8	149.1	0.01	0.16	1.26
32	169	-1327.0	1283.6	-31.7	-0.01	-0.04	-0.77
	170	1327.0	338.9	31.7	0.01	0.08	1.35
33	169	-1649.3	826.4	241.8	0.00	-0.23	-1.26
	170	1649.3	796.1	-241.8	-0.00	-0.11	1.03
34	169	-1976.4	1100.4	178.8	-0.00	-0.19	-1.08
	170	1976.4	522.1	-178.8	0.00	-0.06	1.23
35	169	-260.0	529.8	15.3	-0.00	-0.05	-0.72
	170	260.0	588.7	-15.3	0.00	0.03	0.68
36	169	-312.2	312.4	1.1	-0.00	-0.02	-0.39
	170	312.2	302.1	-1.1	0.00	0.02	0.39
37	169	-579.7	536.5	-110.0	-0.00	-0.00	-0.72
	170	579.7	561.9	-17.9	0.00	0.07	0.70
38	169	-68.6	272.2	28.0	-0.00	-0.04	-0.41
	170	68.6	342.3	-28.0	0.00	0.00	0.36
39	169	140.9	105.3	105.3	-0.00	-0.05	-0.16
	170	-140.9	146.4	1.4	0.00	-0.02	0.13
40	169	-28525.9	327.2	129.5	-0.00	0.10	-0.44
	170	28525.9	287.3	-129.5	0.00	-0.29	0.47
41	169	28165.7	254.9	-97.4	-0.00	-0.17	-0.36

	170	-28165.7	359.6	97.4	0.00	0.31	0.29
42	169	-339.9	768.5	14.6	-0.00	-0.07	-1.04
	170	339.9	854.0	-14.6	0.00	0.05	0.98
43	169	686.5	355.2	64.9	0.01	-0.10	-1.31
	170	-686.5	1267.3	-64.9	-0.01	0.01	0.59
44	169	-236.1	235.9	184.7	0.01	-0.19	-1.40
	170	236.1	1386.6	-184.7	-0.01	-0.07	0.68
45	169	1367.3	825.5	-152.0	0.00	0.05	-0.99
	170	-1367.3	797.1	152.0	-0.00	0.16	0.72
46	169	1028.2	1109.3	-218.1	-0.00	0.10	-0.80
	170	-1028.2	513.3	218.1	0.00	0.21	0.93
47	169	-443.6	1301.2	-155.5	-0.01	0.05	-0.68
	170	443.6	321.4	155.5	0.01	0.17	1.28
48	169	-1366.2	1181.9	-35.8	-0.02	-0.04	-0.76
	170	1366.2	440.7	35.8	0.02	0.09	1.37
49	169	-1708.0	427.8	247.3	-0.00	-0.24	-1.27
	170	1708.0	1194.7	-247.3	0.00	-0.11	1.02
50	169	-2047.0	711.6	181.1	-0.01	-0.19	-1.08
	170	2047.0	910.9	-181.1	0.01	-0.06	1.23
51	169	649.8	-141.0	56.1	0.01	-0.06	-0.62
	170	-649.8	755.6	-56.1	-0.01	-0.02	0.06
52	169	-93.1	-44.8	152.3	0.01	-0.13	-0.69
	170	93.1	659.3	-152.3	-0.01	-0.08	0.13
53	169	1195.6	15.5	-117.8	0.00	0.07	-0.37
	170	-1195.6	599.1	117.8	-0.00	0.10	0.17
54	169	920.5	245.8	-170.7	-0.00	0.10	-0.21
	170	-920.5	368.7	170.7	0.00	0.14	0.34
55	169	-267.1	626.9	-120.2	-0.01	0.06	-0.11
	170	267.1	-12.4	120.2	0.01	0.10	0.62
56	169	-1010.1	723.1	-24.0	-0.01	-0.01	-0.18
	170	1010.1	-108.6	24.0	0.01	0.04	0.69
57	169	-1280.8	336.3	202.8	-0.00	-0.17	-0.59
	170	1280.8	278.3	-202.8	0.00	-0.12	0.42
58	169	-1555.9	566.6	149.9	-0.01	-0.13	-0.44
	170	1555.9	47.9	-149.9	0.01	-0.08	0.58
1	170	-212.2	-985.3	112.6	-0.05	-0.04	-0.52
	171	212.2	1830.2	-112.6	0.05	-0.11	-1.45
2	170	-449.6	-2696.2	256.9	-0.21	-0.11	-1.45
	171	449.6	5053.1	-256.9	0.21	-0.25	-3.98
3	170	-43203.0	-2889.0	-506.6	-0.25	0.36	-1.61
	171	43203.0	5246.0	506.6	0.25	0.35	-4.09
4	170	-43635.1	-3805.3	-544.8	-0.34	0.34	-2.09
	171	43635.1	6888.0	353.0	0.34	0.29	-5.39
5	170	-42817.6	-2949.8	-460.3	-0.25	0.35	-1.56
	171	42817.6	5306.7	460.3	0.25	0.29	-4.22
6	170	-42488.2	-2255.6	-433.2	-0.18	0.37	-1.19
	171	42488.2	4068.2	593.2	0.18	0.35	-3.23
7	170	41885.7	-2438.7	969.2	-0.17	-0.56	-1.34
	171	-41885.7	4795.6	-969.2	0.17	-0.79	-3.72
8	170	41453.6	-3355.0	931.0	-0.26	-0.59	-1.83
	171	-41453.6	6437.7	-1122.8	0.26	-0.85	-5.03
9	170	42271.1	-2499.4	1015.4	-0.17	-0.58	-1.29
	171	-42271.1	4856.4	-1015.4	0.17	-0.85	-3.86
10	170	42600.5	-1805.2	1042.6	-0.10	-0.56	-0.92
	171	-42600.5	3617.9	-882.5	0.10	-0.79	-2.87

	170	-43223.7	-2012.0	-595.7	-0.17	0.40	-1.16
	171	43223.7	3613.0	595.7	0.17	0.43	-2.77
12	170	41865.0	-1561.7	880.1	-0.09	-0.53	-0.90
	171	-41865.0	3162.6	-880.1	0.09	-0.71	-2.41
13	170	-43943.8	-3539.2	-659.4	-0.33	0.35	-1.98
	171	43943.8	6349.7	339.7	0.33	0.35	-4.95
14	170	41144.9	-3088.9	816.4	-0.25	-0.57	-1.71
	171	-41144.9	5899.4	-1136.0	0.25	-0.79	-4.58
15	170	-42581.4	-2113.3	-518.6	-0.17	0.38	-1.08
	171	42581.4	3714.2	518.6	0.17	0.35	-3.00
16	170	42507.3	-1662.9	957.1	-0.09	-0.55	-0.81
	171	-42507.3	3263.9	-957.1	0.09	-0.79	-2.64
17	170	-42032.3	-956.3	-473.5	-0.05	0.41	-0.47
	171	42032.3	1650.0	740.1	0.05	0.44	-1.35
18	170	43056.4	-505.9	1002.3	0.03	-0.52	-0.21
	171	-43056.4	1199.7	-735.6	-0.03	-0.70	-0.99
19	170	-71447.3	-2183.7	-1070.6	-0.19	0.70	-1.23
	171	71447.3	3784.6	1070.6	0.19	0.80	-2.94
20	170	70367.3	-1433.1	1389.0	-0.06	-0.84	-0.79
	171	-70367.3	3034.1	-1389.0	0.06	-1.10	-2.34
21	170	-71879.3	-3100.0	-1108.8	-0.29	0.68	-1.72
	171	71879.3	5426.7	917.0	0.29	0.74	-4.25
22	170	69935.2	-2349.4	1350.8	-0.16	-0.87	-1.28
	171	-69935.2	4676.1	-1542.6	0.16	-1.16	-3.64
23	170	-71061.9	-2244.4	-1024.4	-0.19	0.69	-1.18
	171	71061.9	3845.4	1024.4	0.19	0.74	-3.08
24	170	70752.7	-1493.9	1435.3	-0.06	-0.85	-0.74
	171	-70752.7	3094.8	-1435.3	0.06	-1.16	-2.47
25	170	-70732.4	-1550.2	-997.3	-0.12	0.71	-0.82
	171	70732.4	2606.9	1157.3	0.12	0.80	-2.09
26	170	71082.1	-799.7	1462.4	0.01	-0.83	-0.38
	171	-71082.1	1856.3	-1302.4	-0.01	-1.10	-1.48
27	170	689.4	-2225.6	309.0	-0.14	-0.12	-0.58
	171	-689.4	3848.1	-309.0	0.14	-0.31	-3.57
28	170	-92.8	-2328.8	581.4	-0.15	-0.22	-0.69
	171	92.8	3951.3	-581.4	0.15	-0.59	-3.80
29	170	1165.5	-1815.2	-197.0	-0.12	0.07	-0.70
	171	-1165.5	3437.7	197.0	0.12	0.21	-2.63
30	170	-512.5	-1738.6	95.3	-0.14	-0.04	-1.11
	171	512.5	3361.1	-95.3	0.14	-0.09	-2.46
31	170	-557.9	-1397.0	-229.2	-0.13	0.07	-1.30
	171	557.9	3019.5	229.2	0.13	0.25	-1.69
32	170	-1340.2	-1500.2	43.1	-0.14	-0.03	-1.41
	171	1340.2	3122.7	-43.1	0.14	-0.03	-1.93
33	170	-1442.0	-2159.2	710.7	-0.16	-0.27	-1.07
	171	1442.0	3781.7	-710.7	0.16	-0.72	-3.42
34	170	-1816.2	-1910.6	549.2	-0.16	-0.21	-1.29
	171	1816.2	3533.1	-549.2	0.16	-0.56	-2.86
35	170	-246.3	-1292.6	128.0	-0.09	-0.05	-0.69
	171	246.3	2411.1	-128.0	0.09	-0.13	-1.90
36	170	-306.5	-700.7	62.9	-0.03	-0.03	-0.40
	171	306.5	1315.2	-62.9	0.03	-0.06	-1.01
37	170	-594.5	-1311.6	37.4	-0.10	-0.04	-0.73
	171	594.5	2410.0	-165.3	0.10	-0.10	-1.88
38	170	-49.6	-741.2	93.7	-0.03	-0.03	-0.37
	171	49.6	1355.7	-93.7	0.03	-0.10	-1.10

	170	170.0	-278.4	111.8	0.01	-0.02	-0.12
	171	-170.0	530.1	-5.1	-0.01	-0.06	-0.44
40	170	-28530.0	-872.4	-412.0	-0.06	0.28	-0.47
	171	28530.0	1486.9	412.0	0.06	0.30	-1.18
41	170	28195.8	-572.2	571.9	-0.01	-0.34	-0.29
	171	-28195.8	1186.7	-571.9	0.01	-0.46	-0.94
42	170	-325.4	-1862.9	176.1	-0.14	-0.07	-1.00
	171	325.4	3485.4	-176.1	0.14	-0.17	-2.75
43	170	718.5	-2239.2	317.0	-0.14	-0.12	-0.57
	171	-718.5	3861.7	-317.0	0.14	-0.32	-3.60
44	170	-91.6	-2343.8	600.2	-0.15	-0.23	-0.68
	171	91.6	3966.4	-600.2	0.15	-0.61	-3.84
45	170	1216.4	-1817.0	-211.1	-0.12	0.07	-0.70
	171	-1216.4	3439.5	211.1	0.12	0.22	-2.63
46	170	833.2	-1559.8	-380.6	-0.12	0.13	-0.92
	171	-833.2	3182.4	380.6	0.12	0.40	-2.05
47	170	-559.1	-1381.9	-248.0	-0.13	0.08	-1.31
	171	559.1	3004.4	248.0	0.13	0.27	-1.65
48	170	-1369.2	-1486.6	35.1	-0.14	-0.03	-1.43
	171	1369.2	3109.1	-35.1	0.14	-0.02	-1.90
49	170	-1483.9	-2165.9	732.8	-0.16	-0.28	-1.07
	171	1483.9	3788.4	-732.8	0.16	-0.75	-3.45
50	170	-1867.2	-1908.8	563.3	-0.16	-0.22	-1.30
	171	1867.2	3531.3	-563.3	0.16	-0.57	-2.86
51	170	683.3	-1028.1	192.5	-0.03	-0.07	-0.03
	171	-683.3	1642.6	-192.5	0.03	-0.20	-1.75
52	170	29.2	-1112.3	419.5	-0.04	-0.15	-0.12
	171	-29.2	1726.8	-419.5	0.04	-0.43	-1.95
53	170	1080.0	-686.3	-230.6	-0.02	0.09	-0.14
	171	-1080.0	1300.9	230.6	0.02	0.24	-0.97
54	170	765.9	-477.6	-366.3	-0.02	0.13	-0.32
	171	-765.9	1092.1	366.3	0.02	0.38	-0.49
55	170	-363.5	-332.2	-259.7	-0.03	0.09	-0.64
	171	363.5	946.8	259.7	0.03	0.27	-0.17
56	170	-1017.5	-416.4	-32.6	-0.03	0.01	-0.73
	171	1017.5	1030.9	32.6	0.03	0.04	-0.37
57	170	-1100.2	-967.0	526.1	-0.05	-0.20	-0.44
	171	1100.2	1581.5	-526.1	0.05	-0.54	-1.62
58	170	-1414.2	-758.2	390.5	-0.05	-0.15	-0.62
	171	1414.2	1372.7	-390.5	0.05	-0.40	-1.15
1	171	1726.7	2752.2	-14.1	0.05	0.04	3.04
	172	-1726.7	-1810.6	14.1	-0.05	-0.02	0.52
2	171	4241.6	7523.9	-139.5	0.15	0.22	8.28
	172	-4241.6	-4897.6	139.5	-0.15	-0.01	1.41
3	171	-36902.7	7810.3	789.7	0.18	-0.65	8.59
	172	36902.7	-5184.0	-789.7	-0.18	-0.59	1.55
4	171	-36018.1	10214.3	469.3	0.25	-0.38	11.25
	172	36018.1	-6779.3	-683.0	-0.25	-0.52	2.01
5	171	-36684.9	7782.8	814.3	0.18	-0.68	8.50
	172	36684.9	-5156.5	-814.3	-0.18	-0.59	1.60
6	171	-37358.1	5972.0	1047.9	0.14	-0.86	6.50
	172	37358.1	-3952.2	-869.6	-0.14	-0.63	1.25
7	171	45153.0	7266.7	-1095.6	0.12	1.13	8.07
	172	-45153.0	-4640.4	1095.6	-0.12	0.58	1.22
8	171	46037.5	9670.8	-1416.1	0.19	1.39	10.73

	172	-46037.5	-6235.7	1202.3	-0.19	0.65	1.68
9	171	45370.8	7239.2	-1071.1	0.12	1.09	7.98
	172	-45370.8	-4612.9	1071.1	-0.12	0.58	1.27
10	171	44697.6	5428.4	-837.4	0.07	0.91	5.97
	172	-44697.6	-3408.6	1015.7	-0.07	0.54	0.92
11	171	-38237.8	5434.1	843.5	0.13	-0.72	6.01
	172	38237.8	-3650.1	-843.5	-0.13	-0.59	1.08
12	171	43817.9	4890.5	-1041.8	0.07	1.05	5.48
	172	-43817.9	-3106.6	1041.8	-0.07	0.58	0.75
13	171	-36763.6	9440.8	309.5	0.24	-0.28	10.44
	172	36763.6	-6309.1	-665.7	-0.24	-0.48	1.85
14	171	45292.1	8897.3	-1575.9	0.18	1.49	9.92
	172	-45292.1	-5765.5	1219.7	-0.18	0.69	1.52
15	171	-37874.8	5388.3	884.4	0.13	-0.77	5.85
	172	37874.8	-3604.4	-884.4	-0.13	-0.61	1.17
16	171	44180.9	4844.7	-1000.9	0.07	1.00	5.33
	172	-44180.9	-3060.8	1000.9	-0.07	0.57	0.84
17	171	-38996.9	2370.3	1273.9	0.05	-1.09	2.51
	172	38996.9	-1597.2	-976.7	-0.05	-0.67	0.58
18	171	43058.8	1826.7	-611.5	-0.01	0.68	1.99
	172	-43058.8	-1053.6	908.6	0.01	0.50	0.25
19	171	-65512.0	5605.6	1480.9	0.15	-1.32	6.15
	172	65512.0	-3821.6	-1480.9	-0.15	-0.99	1.21
20	171	71247.5	4699.6	-1661.3	0.05	1.63	5.28
	172	-71247.5	-2915.7	1661.3	-0.05	0.97	0.66
21	171	-64627.5	8009.6	1160.5	0.22	-1.06	8.80
	172	64627.5	-5417.0	-1374.2	-0.22	-0.92	1.67
22	171	72132.0	7103.7	-1981.8	0.12	1.89	7.94
	172	-72132.0	-4511.1	1768.0	-0.12	1.03	1.12
23	171	-65294.2	5578.1	1505.4	0.15	-1.36	6.05
	172	65294.2	-3794.2	-1505.4	-0.15	-0.99	1.26
24	171	71465.2	4672.1	-1636.8	0.05	1.60	5.18
	172	-71465.2	-2888.2	1636.8	-0.05	0.96	0.71
25	171	-65967.5	3767.3	1739.1	0.10	-1.54	4.05
	172	65967.5	-2589.9	-1560.8	-0.10	-1.03	0.91
26	171	70792.0	2861.3	-1403.1	0.00	1.41	3.18
	172	-70792.0	-1683.9	1581.4	-0.00	0.92	0.36
27	171	2862.6	4943.8	237.6	0.09	-0.21	4.93
	172	-2862.6	-3135.8	-237.6	-0.09	-0.16	1.30
28	171	2399.5	5059.6	6.8	0.10	0.03	5.16
	172	-2399.5	-3251.6	-6.8	-0.10	-0.04	1.40
29	171	3614.6	4940.5	355.9	0.08	-0.32	5.13
	172	-3614.6	-3132.6	-355.9	-0.08	-0.24	0.91
30	171	3024.4	5246.6	-158.2	0.11	0.22	5.91
	172	-3024.4	-3438.6	158.2	-0.11	0.02	0.86
31	171	3467.7	5320.5	-193.7	0.11	0.27	6.26
	172	-3467.7	-3512.6	193.7	-0.11	0.03	0.54
32	171	3004.6	5436.3	-424.5	0.12	0.51	6.50
	172	-3004.6	-3628.4	424.5	-0.12	0.15	0.65
33	171	2071.0	5326.5	-413.5	0.12	0.48	5.90
	172	-2071.0	-3518.6	413.5	-0.12	0.17	1.27
34	171	2252.5	5439.5	-542.8	0.13	0.62	6.30
	172	-2252.5	-3631.6	542.8	-0.13	0.23	1.04
35	171	2095.3	3599.5	-51.6	0.07	0.09	3.97
	172	-2095.3	-2353.1	51.6	-0.07	-0.01	0.67
36	171	1179.3	2018.5	-18.7	0.04	0.04	2.26

	172	-1179.3	-1333.8	18.7	-0.04	-0.01	0.36
37	171	1769.0	3621.2	-232.4	0.08	0.22	4.03
	172	-1769.0	-2397.4	89.9	-0.08	0.03	0.67
38	171	1324.5	2000.2	-2.4	0.03	0.02	2.19
	172	-1324.5	-1315.5	2.4	-0.03	-0.02	0.39
39	171	875.7	793.0	153.4	0.00	-0.10	0.86
	172	-875.7	-512.6	-34.5	-0.00	-0.04	0.16
40	171	-26095.0	2190.0	618.6	0.06	-0.56	2.40
	172	26095.0	-1505.3	-618.6	-0.06	-0.41	0.49
41	171	28608.8	1827.7	-638.3	0.01	0.62	2.05
	172	-28608.8	-1142.9	638.3	-0.01	0.37	0.27
42	171	2933.6	5190.0	-93.5	0.11	0.15	5.71
	172	-2933.6	-3382.1	93.5	-0.11	-0.01	0.97
43	171	2854.9	4941.9	242.5	0.09	-0.22	4.91
	172	-2854.9	-3134.0	-242.5	-0.09	-0.16	1.31
44	171	2374.9	5050.9	20.3	0.10	0.01	5.14
	172	-2374.9	-3243.0	-20.3	-0.10	-0.04	1.42
45	171	3638.1	4950.3	344.3	0.08	-0.31	5.13
	172	-3638.1	-3142.3	-344.3	-0.08	-0.23	0.90
46	171	3829.3	5066.4	209.4	0.09	-0.16	5.55
	172	-3829.3	-3258.5	-209.4	-0.09	-0.17	0.67
47	171	3492.3	5329.1	-207.2	0.11	0.29	6.29
	172	-3492.3	-3521.2	207.2	-0.11	0.03	0.52
48	171	3012.3	5438.2	-429.4	0.12	0.52	6.52
	172	-3012.3	-3630.2	429.4	-0.12	0.15	0.64
49	171	2037.9	5313.7	-396.3	0.12	0.46	5.88
	172	-2037.9	-3505.7	396.3	-0.12	0.16	1.28
50	171	2229.1	5429.8	-531.3	0.13	0.61	6.29
	172	-2229.1	-3621.9	531.3	-0.13	0.22	1.04
51	171	1195.6	1806.6	260.8	0.02	-0.27	1.57
	172	-1195.6	-1121.8	-260.8	-0.02	-0.14	0.65
52	171	809.9	1895.5	81.2	0.03	-0.08	1.75
	172	-809.9	-1210.8	-81.2	-0.03	-0.05	0.74
53	171	1823.6	1813.2	343.7	0.02	-0.34	1.75
	172	-1823.6	-1128.5	-343.7	-0.02	-0.20	0.32
54	171	1976.1	1907.9	235.2	0.02	-0.22	2.09
	172	-1976.1	-1223.1	-235.2	-0.02	-0.15	0.13
55	171	1704.0	2122.2	-100.9	0.04	0.14	2.69
	172	-1704.0	-1437.4	100.9	-0.04	0.01	0.01
56	171	1318.3	2211.2	-280.4	0.05	0.33	2.87
	172	-1318.3	-1526.4	280.4	-0.05	0.11	0.10
57	171	537.8	2109.8	-254.9	0.05	0.28	2.36
	172	-537.8	-1425.1	254.9	-0.05	0.12	0.62
58	171	690.3	2204.5	-363.4	0.05	0.40	2.69
	172	-690.3	-1519.8	363.4	-0.05	0.17	0.43
1	172	1764.6	1207.6	-7.4	-0.02	-0.03	-0.47
	173	-1764.6	-263.1	7.4	0.02	0.04	1.63
2	172	4313.6	3295.4	-49.5	-0.08	-0.08	-1.28
	173	-4313.6	-660.7	49.5	0.08	0.16	4.38
3	172	-36633.8	3259.5	-268.3	-0.08	0.21	-1.35
	173	36633.8	-624.7	268.3	0.08	0.21	4.39
4	172	-35767.2	4294.1	-431.6	-0.12	0.19	-1.78
	173	35767.2	-848.1	217.2	0.12	0.32	5.80
5	172	-36401.2	3232.2	-250.7	-0.08	0.20	-1.40
	173	36401.2	-597.4	250.7	0.08	0.19	4.39

	172	-37065.1	2456.3	-115.9	-0.06	0.21	-1.07
	173	37065.1	-430.1	294.8	0.06	0.11	3.33
7	172	45011.9	3360.4	149.9	-0.08	-0.36	-1.16
	173	-45011.9	-725.7	-149.9	0.08	0.13	4.36
8	172	45878.5	4395.1	-13.4	-0.11	-0.39	-1.59
	173	-45878.5	-949.0	-201.0	0.11	0.24	5.78
9	172	45244.4	3333.1	167.6	-0.08	-0.38	-1.21
	173	-45244.4	-698.3	-167.6	0.08	0.12	4.37
10	172	44580.6	2557.3	302.3	-0.06	-0.37	-0.88
	173	-44580.6	-531.0	-123.5	0.06	0.03	3.30
11	172	-37991.2	2225.2	-253.8	-0.05	0.25	-0.93
	173	37991.2	-435.6	253.8	0.05	0.15	3.01
12	172	43654.4	2326.1	164.4	-0.05	-0.33	-0.74
	173	-43654.4	-536.5	-164.4	0.05	0.07	2.98
13	172	-36546.9	3949.7	-526.0	-0.11	0.20	-1.64
	173	36546.9	-807.9	168.6	0.11	0.34	5.37
14	172	45098.8	4050.6	-107.7	-0.10	-0.38	-1.46
	173	-45098.8	-908.8	-249.6	0.10	0.26	5.34
15	172	-37603.7	2179.7	-224.3	-0.05	0.22	-1.01
	173	37603.7	-390.1	224.3	0.05	0.13	3.02
16	172	44042.0	2280.6	193.9	-0.05	-0.36	-0.82
	173	-44042.0	-491.0	-193.9	0.05	0.05	2.99
17	172	-38710.1	886.6	0.2	-0.01	0.24	-0.46
	173	38710.1	-111.1	297.9	0.01	-0.01	1.24
18	172	42935.5	987.6	418.5	-0.01	-0.34	-0.28
	173	-42935.5	-212.1	-120.3	0.01	-0.09	1.22
19	172	-65123.5	2181.9	-386.7	-0.06	0.43	-1.01
	173	65123.5	-392.3	386.7	0.06	0.17	3.02
20	172	70952.6	2350.1	310.3	-0.05	-0.53	-0.70
	173	-70952.6	-560.5	-310.3	0.05	0.04	2.98
21	172	-64256.8	3216.6	-550.0	-0.09	0.41	-1.44
	173	64256.8	-615.6	335.6	0.09	0.29	4.43
22	172	71819.2	3384.8	147.1	-0.08	-0.56	-1.13
	173	-71819.2	-783.9	-361.5	0.08	0.16	4.39
23	172	-64890.9	2154.6	-369.0	-0.05	0.42	-1.05
	173	64890.9	-365.0	369.0	0.05	0.16	3.02
24	172	71185.2	2322.8	328.0	-0.05	-0.54	-0.75
	173	-71185.2	-533.2	-328.0	0.05	0.03	2.98
25	172	-65554.8	1378.8	-234.3	-0.03	0.43	-0.73
	173	65554.8	-197.6	413.2	0.03	0.08	1.96
26	172	70521.3	1547.0	462.8	-0.02	-0.53	-0.42
	173	-70521.3	-365.8	-283.9	0.02	-0.05	1.92
27	172	3442.2	2023.7	93.3	-0.04	-0.11	-1.19
	173	-3442.2	-209.9	-93.3	0.04	-0.02	3.00
28	172	3022.6	2094.6	21.9	-0.05	-0.15	-1.27
	173	-3022.6	-280.9	-21.9	0.05	0.09	3.08
29	172	3757.8	2090.6	113.2	-0.05	-0.02	-0.84
	173	-3757.8	-276.8	-113.2	0.05	-0.09	2.89
30	172	2909.4	2337.0	-60.2	-0.06	-0.04	-0.78
	173	-2909.4	-523.2	60.2	0.06	0.13	3.02
31	172	2945.2	2451.1	-88.0	-0.07	0.03	-0.50
	173	-2945.2	-637.4	88.0	0.07	0.13	2.96
32	172	2525.7	2522.0	-159.4	-0.07	-0.01	-0.58
	173	-2525.7	-708.3	159.4	0.07	0.24	3.04
33	172	2359.2	2326.9	-124.8	-0.06	-0.14	-1.13
	173	-2359.2	-513.2	124.8	0.06	0.27	3.16

	172	2210.1	2455.2	-179.2	-0.06	-0.10	-0.93
	173	-2210.1	-641.4	179.2	0.06	0.31	3.15
35	172	2134.3	1576.9	-19.0	-0.04	-0.04	-0.62
	173	-2134.3	-326.6	19.0	0.04	0.07	2.11
36	172	1201.6	890.6	-11.5	-0.02	-0.02	-0.33
	173	-1201.6	-203.7	11.5	0.02	0.03	1.19
37	172	1779.4	1580.4	-120.4	-0.04	-0.03	-0.62
	173	-1779.4	-352.6	-22.6	0.04	0.11	2.13
38	172	1356.6	872.4	0.3	-0.01	-0.03	-0.36
	173	-1356.6	-185.5	-0.3	0.01	0.03	1.19
39	172	914.1	355.2	90.1	0.00	-0.02	-0.14
	173	-914.1	-73.9	29.1	-0.00	-0.03	0.48
40	172	-25930.6	847.3	-144.4	-0.02	0.17	-0.41
	173	25930.6	-160.4	144.4	0.02	0.06	1.20
41	172	28499.9	914.6	134.4	-0.01	-0.21	-0.29
	173	-28499.9	-227.7	-134.4	0.01	0.00	1.18
42	172	2983.9	2272.9	-33.0	-0.06	-0.06	-0.89
	173	-2983.9	-459.1	33.0	0.06	0.11	3.02
43	172	3450.5	2017.4	95.3	-0.04	-0.11	-1.20
	173	-3450.5	-203.7	-95.3	0.04	-0.02	3.01
44	172	3027.1	2086.2	26.8	-0.04	-0.15	-1.29
	173	-3027.1	-272.4	-26.8	0.04	0.08	3.08
45	172	3766.2	2091.9	109.4	-0.05	-0.02	-0.84
	173	-3766.2	-278.2	-109.4	0.05	-0.08	2.90
46	172	3613.2	2224.6	53.0	-0.05	0.03	-0.63
	173	-3613.2	-410.8	-53.0	0.05	-0.03	2.89
47	172	2940.8	2459.5	-92.8	-0.07	0.03	-0.48
	173	-2940.8	-645.8	92.8	0.07	0.14	2.96
48	172	2517.3	2528.3	-161.4	-0.07	-0.00	-0.57
	173	-2517.3	-714.6	161.4	0.07	0.24	3.04
49	172	2354.6	2321.2	-119.0	-0.06	-0.14	-1.14
	173	-2354.6	-507.4	119.0	0.06	0.25	3.15
50	172	2201.7	2453.8	-175.5	-0.06	-0.10	-0.93
	173	-2201.7	-640.0	175.5	0.06	0.30	3.14
51	172	1663.8	673.5	98.6	-0.00	-0.07	-0.60
	173	-1663.8	13.4	-98.6	0.00	-0.07	1.17
52	172	1321.7	729.4	43.2	-0.01	-0.09	-0.67
	173	-1321.7	-42.4	-43.2	0.01	0.01	1.24
53	172	1917.3	734.1	110.0	-0.01	0.01	-0.31
	173	-1917.3	-47.1	-110.0	0.01	-0.12	1.09
54	172	1792.4	841.8	64.5	-0.01	0.04	-0.14
	173	-1792.4	-154.9	-64.5	0.01	-0.09	1.08
55	172	1247.6	1032.6	-53.2	-0.02	0.05	-0.02
	173	-1247.6	-345.7	53.2	0.02	0.05	1.14
56	172	905.5	1088.4	-108.6	-0.03	0.02	-0.09
	173	-905.5	-401.5	108.6	0.03	0.13	1.20
57	172	776.9	920.2	-74.5	-0.02	-0.09	-0.56
	173	-776.9	-233.2	74.5	0.02	0.15	1.30
58	172	652.0	1027.9	-120.0	-0.02	-0.05	-0.38
	173	-652.0	-340.9	120.0	0.02	0.18	1.29
1	173	1771.9	-249.4	18.3	0.02	-0.05	-1.62
	174	-1771.9	1193.9	-18.3	-0.02	0.02	0.49
2	173	4325.4	-628.6	67.4	0.08	-0.18	-4.37
	174	-4325.4	3263.4	-67.4	-0.08	0.07	1.33
3	173	-36581.1	-560.7	372.8	0.07	-0.30	-4.36

	174	36581.1	3195.4	-372.8	-0.07	-0.28	1.42
4	173	-35698.2	-775.6	354.8	0.11	-0.44	-5.77
	174	35698.2	4221.7	-569.2	-0.11	-0.28	1.86
5	173	-36334.1	-588.7	390.7	0.08	-0.31	-4.36
	174	36334.1	3223.4	-390.7	-0.08	-0.30	1.38
6	173	-37011.0	-424.8	409.4	0.05	-0.21	-3.30
	174	37011.0	2451.1	-230.6	-0.05	-0.29	1.05
7	173	44967.0	-666.9	-257.7	0.08	-0.04	-4.38
	174	-44967.0	3301.6	257.7	-0.08	0.45	1.28
8	173	45849.9	-881.8	-275.7	0.11	-0.18	-5.79
	174	-45849.9	4327.9	61.3	-0.11	0.45	1.71
9	173	45214.0	-694.9	-239.8	0.09	-0.06	-4.38
	174	-45214.0	3329.6	239.8	-0.09	0.43	1.23
10	173	44537.2	-531.0	-221.0	0.06	0.05	-3.32
	174	-44537.2	2557.2	399.9	-0.06	0.44	0.91
11	173	-37946.2	-361.1	341.7	0.04	-0.23	-2.99
	174	37946.2	2150.8	-341.7	-0.04	-0.30	1.02
12	173	43601.9	-467.3	-288.8	0.05	0.02	-3.01
	174	-43601.9	2257.0	288.8	-0.05	0.43	0.88
13	173	-36474.7	-719.4	311.7	0.10	-0.46	-5.33
	174	36474.7	3861.2	-669.0	-0.10	-0.30	1.75
14	173	45073.4	-825.6	-318.8	0.10	-0.21	-5.35
	174	-45073.4	3967.4	-38.6	-0.10	0.43	1.60
15	173	-37534.5	-407.8	371.4	0.05	-0.25	-2.99
	174	37534.5	2197.5	-371.4	-0.05	-0.33	0.95
16	173	44013.6	-514.0	-259.0	0.06	0.00	-3.01
	174	-44013.6	2303.6	259.0	-0.06	0.40	0.80
17	173	-38662.5	-134.7	402.8	0.01	-0.08	-1.22
	174	38662.5	910.2	-104.6	-0.01	-0.32	0.40
18	173	42885.6	-240.9	-227.7	0.02	0.18	-1.24
	174	-42885.6	1016.4	525.8	-0.02	0.41	0.26
19	173	-65040.6	-335.7	558.4	0.04	-0.32	-2.98
	174	65040.6	2125.3	-558.4	-0.04	-0.55	1.06
20	173	70872.9	-512.6	-492.4	0.06	0.10	-3.02
	174	-70872.9	2302.3	492.4	-0.06	0.67	0.81
21	173	-64157.7	-550.6	540.4	0.07	-0.46	-4.39
	174	64157.7	3151.6	-754.8	-0.07	-0.55	1.49
22	173	71755.8	-727.6	-510.4	0.09	-0.04	-4.42
	174	-71755.8	3328.5	296.0	-0.09	0.67	1.25
23	173	-64793.6	-363.7	576.2	0.04	-0.33	-2.98
	174	64793.6	2153.3	-576.2	-0.04	-0.57	1.01
24	173	71120.0	-540.6	-474.5	0.06	0.09	-3.01
	174	-71120.0	2330.3	474.5	-0.06	0.65	0.77
25	173	-65470.4	-199.8	595.0	0.02	-0.23	-1.92
	174	65470.4	1380.9	-416.2	-0.02	-0.56	0.68
26	173	70443.1	-376.8	-455.7	0.03	0.20	-1.95
	174	-70443.1	1557.9	634.6	-0.03	0.66	0.44
27	173	3624.4	-624.4	93.9	0.06	-0.13	-2.97
	174	-3624.4	2438.1	-93.9	-0.06	-0.00	0.52
28	173	3239.1	-677.5	177.5	0.06	-0.25	-3.04
	174	-3239.1	2491.3	-177.5	-0.06	-0.04	0.62
29	173	3766.2	-412.7	-66.8	0.05	0.05	-2.89
	174	-3766.2	2226.5	66.8	-0.05	0.09	0.64
30	173	2860.1	-373.0	18.4	0.05	-0.10	-3.02
	174	-2860.1	2186.8	-18.4	-0.05	0.07	1.02
31	173	2744.9	-196.8	-86.5	0.04	0.01	-3.00

	174	-2744.9	2010.5	86.5	-0.04	0.14	1.21
32	173	2359.6	-249.9	-2.9	0.05	-0.11	-3.07
	174	-2359.6	2063.7	2.9	-0.05	0.10	1.32
33	173	2481.7	-589.9	211.9	0.06	-0.34	-3.14
	174	-2481.7	2403.6	-211.9	-0.06	-0.04	0.99
34	173	2217.9	-461.6	157.7	0.06	-0.30	-3.15
	174	-2217.9	2275.3	-157.7	-0.06	0.01	1.20
35	173	2140.9	-310.7	29.1	0.03	-0.08	-2.10
	174	-2140.9	1561.1	-29.1	-0.03	0.03	0.64
36	173	1201.4	-174.4	6.2	0.01	-0.03	-1.19
	174	-1201.4	861.4	-6.2	-0.01	0.02	0.38
37	173	1790.0	-317.7	-5.8	0.03	-0.13	-2.13
	174	-1790.0	1545.6	-137.1	-0.03	0.02	0.67
38	173	1366.1	-193.1	18.1	0.01	-0.04	-1.19
	174	-1366.1	880.0	-18.1	-0.01	0.01	0.35
39	173	914.9	-83.8	30.6	-0.00	0.03	-0.48
	174	-914.9	365.1	88.6	0.00	0.02	0.13
40	173	-25893.0	-148.9	222.9	0.01	-0.12	-1.18
	174	25893.0	835.9	-222.9	-0.01	-0.23	0.41
41	173	28472.4	-219.7	-197.4	0.02	0.05	-1.19
	174	-28472.4	906.7	197.4	-0.02	0.26	0.31
42	173	2992.0	-437.1	45.5	0.05	-0.12	-3.02
	174	-2992.0	2250.9	-45.5	-0.05	0.05	0.92
43	173	3632.4	-631.1	97.8	0.06	-0.14	-2.97
	174	-3632.4	2444.9	-97.8	-0.06	-0.00	0.50
44	173	3252.6	-686.0	179.8	0.07	-0.25	-3.04
	174	-3252.6	2499.7	-179.8	-0.07	-0.04	0.61
45	173	3760.3	-412.1	-63.2	0.05	0.04	-2.90
	174	-3760.3	2225.9	63.2	-0.05	0.09	0.64
46	173	3490.0	-279.3	-119.2	0.05	0.09	-2.91
	174	-3490.0	2093.0	119.2	-0.05	0.14	0.85
47	173	2731.5	-188.3	-88.9	0.04	0.01	-3.00
	174	-2731.5	2002.0	88.9	-0.04	0.14	1.22
48	173	2351.6	-243.2	-6.9	0.05	-0.10	-3.07
	174	-2351.6	2056.9	6.9	-0.05	0.10	1.33
49	173	2494.1	-595.0	210.1	0.06	-0.33	-3.13
	174	-2494.1	2408.8	-210.1	-0.06	-0.04	0.98
50	173	2223.8	-462.2	154.1	0.06	-0.28	-3.14
	174	-2223.8	2275.9	-154.1	-0.06	0.01	1.20
51	173	1813.0	-342.0	54.8	0.02	-0.05	-1.15
	174	-1813.0	1028.9	-54.8	-0.02	-0.03	0.03
52	173	1504.4	-386.1	120.9	0.02	-0.14	-1.20
	174	-1504.4	1073.0	-120.9	-0.02	-0.06	0.11
53	173	1914.7	-164.8	-74.8	0.01	0.09	-1.09
	174	-1914.7	851.7	74.8	-0.01	0.05	0.13
54	173	1693.3	-57.0	-119.9	0.01	0.13	-1.10
	174	-1693.3	743.9	119.9	-0.01	0.09	0.31
55	173	1075.0	17.4	-95.5	0.01	0.07	-1.17
	174	-1075.0	669.5	95.5	-0.01	0.09	0.61
56	173	766.4	-26.7	-29.4	0.01	-0.02	-1.23
	174	-766.4	713.6	29.4	-0.01	0.06	0.69
57	173	886.1	-311.7	145.3	0.02	-0.20	-1.28
	174	-886.1	998.6	-145.3	-0.02	-0.05	0.41
58	173	664.7	-203.9	100.2	0.02	-0.17	-1.28
	174	-664.7	890.8	-100.2	-0.02	-0.02	0.59

	174	1750.4	-1791.8	41.1	-0.05	0.01	-0.53
	175	-1750.4	2733.3	-41.1	0.05	-0.07	-3.00
2	174	4279.8	-4857.7	182.0	-0.15	-0.02	-1.45
	175	-4279.8	7484.0	-182.0	0.15	-0.26	-8.18
3	174	-36731.5	-5065.9	-539.4	-0.18	0.45	-1.57
	175	36731.5	7692.3	539.4	0.18	0.39	-8.38
4	174	-35798.6	-6647.1	-380.9	-0.24	0.37	-2.03
	175	35798.6	10082.2	167.1	0.24	0.06	-11.02
5	174	-36471.7	-5097.3	-520.5	-0.18	0.45	-1.52
	175	36471.7	7723.6	520.5	0.18	0.36	-8.48
6	174	-37184.3	-3900.8	-619.0	-0.13	0.51	-1.18
	175	37184.3	5920.6	797.3	0.13	0.60	-6.48
7	174	45012.2	-4616.0	882.9	-0.12	-0.49	-1.37
	175	-45012.2	7242.3	-882.9	0.12	-0.89	-7.88
8	174	45945.0	-6197.2	1041.4	-0.19	-0.58	-1.83
	175	-45945.0	9632.2	-1255.1	0.19	-1.21	-10.52
9	174	45272.0	-4647.4	901.7	-0.13	-0.49	-1.32
	175	-45272.0	7273.7	-901.7	0.13	-0.91	-7.97
10	174	44559.4	-3450.9	803.2	-0.08	-0.44	-0.98
	175	-44559.4	5470.7	-624.9	0.08	-0.68	-5.98
11	174	-38089.2	-3521.9	-616.6	-0.13	0.47	-1.13
	175	38089.2	5305.8	616.6	0.13	0.49	-5.76
12	174	43654.5	-3072.0	805.6	-0.07	-0.48	-0.93
	175	-43654.5	4855.9	-805.6	0.07	-0.78	-5.25
13	174	-36534.4	-6157.2	-352.5	-0.24	0.32	-1.89
	175	36534.4	9289.0	-3.7	0.24	-0.05	-10.16
14	174	45209.3	-5707.3	1069.7	-0.18	-0.62	-1.69
	175	-45209.3	8839.1	-1426.0	0.18	-1.33	-9.65
15	174	-37656.2	-3574.2	-585.2	-0.13	0.46	-1.05
	175	37656.2	5358.1	585.2	0.13	0.45	-5.92
16	174	44087.5	-3124.3	837.0	-0.08	-0.48	-0.85
	175	-44087.5	4908.2	-837.0	0.08	-0.82	-5.41
17	174	-38843.8	-1580.0	-749.4	-0.05	0.55	-0.48
	175	38843.8	2353.0	1046.6	0.05	0.85	-2.59
18	174	42899.9	-1130.1	672.8	0.00	-0.39	-0.28
	175	-42899.9	1903.1	-375.7	-0.00	-0.43	-2.09
19	174	-65244.1	-3683.0	-1083.9	-0.14	0.78	-1.18
	175	65244.1	5466.9	1083.9	0.14	0.91	-5.96
20	174	70995.4	-2933.1	1286.5	-0.05	-0.79	-0.85
	175	-70995.4	4717.0	-1286.5	0.05	-1.21	-5.12
21	174	-64311.2	-5264.2	-925.4	-0.21	0.70	-1.63
	175	64311.2	7856.8	711.7	0.21	0.58	-8.60
22	174	71928.3	-4514.3	1445.0	-0.12	-0.88	-1.31
	175	-71928.3	7106.9	-1658.7	0.12	-1.54	-7.76
23	174	-64984.3	-3714.4	-1065.0	-0.15	0.78	-1.13
	175	64984.3	5498.3	1065.0	0.15	0.88	-6.06
24	174	71255.2	-2964.5	1305.3	-0.06	-0.80	-0.80
	175	-71255.2	4748.4	-1305.3	0.06	-1.24	-5.22
25	174	-65696.9	-2517.9	-1163.6	-0.10	0.83	-0.78
	175	65696.9	3695.2	1341.9	0.10	1.12	-4.06
26	174	70542.6	-1768.0	1206.8	-0.01	-0.74	-0.46
	175	-70542.6	2945.4	-1028.5	0.01	-1.00	-3.22
27	174	3824.5	-3502.0	204.2	-0.11	-0.04	-0.67
	175	-3824.5	5309.9	-204.2	0.11	-0.28	-6.23
28	174	3489.9	-3580.6	443.8	-0.12	-0.16	-0.56
	175	-3489.9	5388.5	-443.8	0.12	-0.54	-6.40

	174	3726.7	-3279.7	-216.6	-0.09	0.16	-1.07
	175	-3726.7	5087.6	216.6	0.09	0.17	-5.56
30	174	2750.4	-3298.8	61.7	-0.10	0.01	-1.11
	175	-2750.4	5106.8	-61.7	0.10	-0.11	-5.45
31	174	2429.4	-3129.0	-199.3	-0.09	0.13	-1.43
	175	-2429.4	4936.9	199.3	0.09	0.18	-4.89
32	174	2094.8	-3207.6	40.3	-0.10	0.01	-1.32
	175	-2094.8	5015.5	-40.3	0.10	-0.07	-5.06
33	174	2611.2	-3541.8	582.1	-0.13	-0.24	-0.70
	175	-2611.2	5349.7	-582.1	0.13	-0.67	-6.13
34	174	2192.6	-3429.9	461.1	-0.12	-0.19	-0.93
	175	-2192.6	5237.8	-461.1	0.12	-0.53	-5.73
35	174	2116.5	-2332.8	75.3	-0.07	-0.00	-0.69
	175	-2116.5	3579.2	-75.3	0.07	-0.11	-3.92
36	174	1180.5	-1299.8	21.5	-0.04	0.01	-0.40
	175	-1180.5	1984.5	-21.5	0.04	-0.04	-2.16
37	174	1802.4	-2353.9	127.1	-0.08	-0.05	-0.71
	175	-1802.4	3577.8	-269.6	0.08	-0.26	-3.92
38	174	1353.7	-1320.7	34.0	-0.04	0.00	-0.37
	175	-1353.7	2005.4	-34.0	0.04	-0.06	-2.22
39	174	878.6	-523.0	-31.6	-0.01	0.04	-0.14
	175	-878.6	803.4	150.5	0.01	0.10	-0.89
40	174	-25974.5	-1460.9	-445.8	-0.05	0.32	-0.45
	175	25974.5	2145.6	445.8	0.05	0.38	-2.36
41	174	28521.3	-1160.9	502.4	-0.02	-0.31	-0.32
	175	-28521.3	1845.7	-502.4	0.02	-0.47	-2.02
42	174	2959.7	-3354.8	122.2	-0.11	-0.01	-1.00
	175	-2959.7	5162.7	-122.2	0.11	-0.18	-5.65
43	174	3840.2	-3510.4	214.7	-0.12	-0.04	-0.66
	175	-3840.2	5318.3	-214.7	0.12	-0.29	-6.25
44	174	3515.2	-3584.3	448.2	-0.12	-0.16	-0.55
	175	-3515.2	5392.3	-448.2	0.12	-0.54	-6.43
45	174	3716.8	-3289.3	-204.1	-0.09	0.16	-1.07
	175	-3716.8	5097.3	204.1	0.09	0.16	-5.56
46	174	3286.0	-3173.8	-329.7	-0.08	0.21	-1.30
	175	-3286.0	4981.7	329.7	0.08	0.31	-5.14
47	174	2404.1	-3125.2	-203.7	-0.09	0.13	-1.45
	175	-2404.1	4933.2	203.7	0.09	0.18	-4.86
48	174	2079.1	-3199.2	29.8	-0.10	0.02	-1.34
	175	-2079.1	5007.1	-29.8	0.10	-0.06	-5.04
49	174	2633.3	-3535.8	574.1	-0.13	-0.23	-0.69
	175	-2633.3	5343.7	-574.1	0.13	-0.66	-6.15
50	174	2202.5	-3420.2	448.6	-0.12	-0.18	-0.93
	175	-2202.5	5228.2	-448.6	0.12	-0.52	-5.73
51	174	1992.1	-1437.4	102.1	-0.04	-0.02	-0.11
	175	-1992.1	2122.1	-102.1	0.04	-0.14	-2.68
52	174	1726.7	-1497.3	290.4	-0.05	-0.11	-0.02
	175	-1726.7	2182.1	-290.4	0.05	-0.34	-2.83
53	174	1891.6	-1257.9	-235.1	-0.03	0.14	-0.44
	175	-1891.6	1942.6	235.1	0.03	0.23	-2.12
54	174	1540.0	-1164.0	-335.9	-0.02	0.18	-0.63
	175	-1540.0	1848.7	335.9	0.02	0.34	-1.79
55	174	820.2	-1124.4	-233.8	-0.02	0.12	-0.75
	175	-820.2	1809.2	233.8	0.02	0.24	-1.56
56	174	554.8	-1184.4	-45.5	-0.03	0.03	-0.66
	175	-554.8	1869.2	45.5	0.03	0.04	-1.70

	174	1006.8	-1457.8	392.5	-0.05	-0.17	-0.14
	175	-1006.8	2142.5	-392.5	0.05	-0.44	-2.60
58	174	655.3	-1363.9	291.7	-0.05	-0.13	-0.33
	175	-655.3	2048.7	-291.7	0.05	-0.32	-2.26
1	175	-57.9	1415.6	-37.5	0.05	0.04	0.98
	176	57.9	-374.5	37.5	-0.05	0.03	0.57
2	175	-63.5	4008.5	-115.3	0.21	0.11	2.79
	176	63.5	-1104.4	115.3	-0.21	0.09	1.62
3	175	-27481.3	4545.4	783.6	0.22	-0.68	3.40
	176	27481.3	-1641.3	-783.6	-0.22	-0.67	1.93
4	175	-27696.2	5849.3	684.2	0.32	-0.70	4.32
	176	27696.2	-2051.0	-920.5	-0.32	-0.69	2.50
5	175	-27510.2	4461.1	803.7	0.22	-0.71	3.26
	176	27510.2	-1557.0	-803.7	-0.22	-0.68	1.93
6	175	-27354.3	3482.0	885.2	0.15	-0.70	2.57
	176	27354.3	-1248.5	-688.1	-0.15	-0.66	1.51
7	175	27383.9	3561.1	-1036.1	0.21	0.93	2.32
	176	-27383.9	-657.0	1036.1	-0.21	0.86	1.31
8	175	27169.0	4865.1	-1135.5	0.30	0.91	3.24
	176	-27169.0	-1066.7	899.2	-0.30	0.84	1.88
9	175	27355.0	3476.8	-1016.0	0.21	0.90	2.18
	176	-27355.0	-572.7	1016.0	-0.21	0.85	1.31
10	175	27510.9	2497.7	-934.4	0.13	0.91	1.49
	176	-27510.9	-264.3	1131.6	-0.13	0.87	0.89
11	175	-27468.7	3278.8	815.2	0.14	-0.71	2.55
	176	27468.7	-1306.2	-815.2	-0.14	-0.70	1.40
12	175	27396.5	2294.5	-1004.4	0.12	0.90	1.47
	176	-27396.5	-321.9	1004.4	-0.12	0.83	0.79
13	175	-27826.8	5452.0	649.6	0.30	-0.73	4.07
	176	27826.8	-1989.0	-1043.4	-0.30	-0.73	2.34
14	175	27038.4	4467.8	-1170.1	0.28	0.87	3.00
	176	-27038.4	-1004.8	776.2	-0.28	0.80	1.72
15	175	-27516.8	3138.3	848.7	0.14	-0.75	2.31
	176	27516.8	-1165.7	-848.7	-0.14	-0.71	1.40
16	175	27348.4	2154.0	-970.9	0.12	0.86	1.23
	176	-27348.4	-181.4	970.9	-0.12	0.82	0.79
17	175	-27257.0	1506.4	984.6	0.02	-0.74	1.17
	176	27257.0	-651.6	-656.0	-0.02	-0.68	0.69
18	175	27608.2	522.1	-835.0	0.00	0.87	0.09
	176	-27608.2	332.7	1163.6	-0.00	0.85	0.07
19	175	-45766.9	3577.0	1429.1	0.15	-1.25	2.86
	176	45766.9	-1604.4	-1429.1	-0.15	-1.21	1.61
20	175	45675.1	1936.6	-1603.7	0.12	1.42	1.06
	176	-45675.1	36.0	1603.7	-0.12	1.34	0.58
21	175	-45981.8	4881.0	1329.7	0.24	-1.27	3.77
	176	45981.8	-2014.2	-1566.0	-0.24	-1.23	2.17
22	175	45460.2	3240.5	-1703.1	0.21	1.41	1.97
	176	-45460.2	-373.7	1466.8	-0.21	1.32	1.14
23	175	-45795.8	3492.8	1449.2	0.14	-1.28	2.71
	176	45795.8	-1520.2	-1449.2	-0.14	-1.22	1.61
24	175	45646.2	1852.3	-1583.6	0.12	1.40	0.91
	176	-45646.2	120.3	1583.6	-0.12	1.33	0.58
25	175	-45639.9	2513.6	1530.7	0.07	-1.27	2.03
	176	45639.9	-1211.7	-1333.6	-0.07	-1.20	1.18
26	175	45802.1	873.1	-1502.1	0.05	1.41	0.23

	176	-45802.1	428.8	1699.2	-0.05	1.35	0.15
27	175	-776.3	2061.9	26.5	0.13	-0.06	0.72
	176	776.3	-62.8	-26.5	-0.13	0.02	1.09
28	175	-1080.2	2237.8	143.4	0.14	-0.21	1.01
	176	1080.2	-238.7	-143.4	-0.14	-0.04	1.13
29	175	200.1	2287.2	-224.8	0.12	0.25	1.13
	176	-200.1	-288.0	224.8	-0.12	0.14	1.05
30	175	226.6	2949.3	-128.5	0.15	0.14	2.25
	176	-226.6	-950.1	128.5	-0.15	0.08	1.12
31	175	1000.3	3291.8	-301.9	0.15	0.36	2.84
	176	-1000.3	-1292.6	301.9	-0.15	0.16	1.11
32	175	696.4	3467.7	-185.0	0.16	0.21	3.13
	176	-696.4	-1468.5	185.0	-0.16	0.10	1.14
33	175	-813.0	2873.5	164.9	0.16	-0.23	2.09
	176	813.0	-874.3	-164.9	-0.16	-0.06	1.18
34	175	-280.0	3242.5	66.3	0.16	-0.10	2.72
	176	280.0	-1243.3	-66.3	-0.16	-0.01	1.18
35	175	-38.1	1900.5	-53.3	0.09	0.05	1.32
	176	38.1	-522.3	53.3	-0.09	0.04	0.76
36	175	-26.4	1066.1	-34.6	0.03	0.04	0.77
	176	26.4	-308.9	34.6	-0.03	0.02	0.41
37	175	-169.6	1935.4	-100.9	0.10	0.03	1.38
	176	169.6	-582.0	-56.7	-0.10	0.01	0.79
38	175	-45.6	1009.9	-21.2	0.03	0.02	0.68
	176	45.6	-252.7	21.2	-0.03	0.02	0.41
39	175	58.3	357.1	33.2	-0.01	0.02	0.22
	176	-58.3	-47.1	98.3	0.01	0.03	0.13
40	175	-18324.6	1364.3	579.2	0.04	-0.51	1.08
	176	18324.6	-607.1	-579.2	-0.04	-0.49	0.62
41	175	18252.2	708.1	-633.9	0.03	0.56	0.36
	176	-18252.2	49.0	633.9	-0.03	0.53	0.21
42	175	-39.9	2764.8	-79.2	0.14	0.08	1.93
	176	39.9	-765.6	79.2	-0.14	0.06	1.12
43	175	-803.4	2040.0	33.6	0.13	-0.07	0.69
	176	803.4	-40.9	-33.6	-0.13	0.02	1.09
44	175	-1121.2	2215.9	148.9	0.14	-0.22	0.98
	176	1121.2	-216.7	-148.9	-0.14	-0.04	1.13
45	175	212.9	2280.7	-220.3	0.13	0.25	1.11
	176	-212.9	-281.5	220.3	-0.13	0.13	1.06
46	175	766.4	2662.8	-322.5	0.13	0.38	1.77
	176	-766.4	-663.6	322.5	-0.13	0.18	1.06
47	175	1041.3	3313.7	-307.3	0.15	0.37	2.88
	176	-1041.3	-1314.6	307.3	-0.15	0.16	1.11
48	175	723.6	3489.6	-192.0	0.16	0.22	3.17
	176	-723.6	-1490.4	192.0	-0.16	0.11	1.14
49	175	-846.2	2866.9	164.1	0.16	-0.23	2.08
	176	846.2	-867.7	-164.1	-0.16	-0.06	1.17
50	175	-292.8	3249.0	61.8	0.16	-0.10	2.74
	176	292.8	-1249.8	-61.8	-0.16	-0.01	1.18
51	175	-656.1	448.1	63.8	0.02	-0.09	-0.29
	176	656.1	309.1	-63.8	-0.02	-0.02	0.39
52	175	-909.7	590.3	156.2	0.03	-0.21	-0.05
	176	909.7	166.9	-156.2	-0.03	-0.06	0.42
53	175	162.5	644.1	-140.2	0.02	0.16	0.06
	176	-162.5	113.1	140.2	-0.02	0.08	0.36
54	175	610.5	954.3	-222.6	0.02	0.27	0.60

	176	-610.5	-197.1	222.6	-0.02	0.11	0.37
55	175	837.3	1482.1	-210.8	0.03	0.26	1.50
	176	-837.3	-725.0	210.8	-0.03	0.10	0.40
56	175	583.7	1624.3	-118.4	0.04	0.15	1.73
	176	-583.7	-867.2	118.4	-0.04	0.06	0.43
57	175	-682.9	1118.1	167.9	0.04	-0.22	0.85
	176	682.9	-361.0	-167.9	-0.04	-0.07	0.46
58	175	-234.9	1428.3	85.6	0.05	-0.11	1.38
	176	234.9	-671.2	-85.6	-0.05	-0.04	0.46
1	176	-57.0	-264.4	32.1	-0.06	-0.03	-0.56
	177	57.0	1305.5	-32.1	0.06	-0.03	-0.79
2	176	-58.9	-770.5	109.4	-0.25	-0.10	-1.62
	177	58.9	3674.6	-109.4	0.25	-0.09	-2.21
3	176	-27493.6	-673.0	-719.7	-0.26	0.62	-1.91
	177	27493.6	3577.1	719.7	0.26	0.62	-1.76
4	176	-27652.0	-966.1	-676.8	-0.36	0.55	-2.45
	177	27652.0	4764.4	440.5	0.36	0.41	-2.49
5	176	-27512.9	-756.0	-700.9	-0.26	0.62	-1.90
	177	27512.9	3660.1	700.9	0.26	0.59	-1.91
6	176	-27397.3	-528.0	-711.6	-0.19	0.66	-1.49
	177	27397.3	2761.4	908.8	0.19	0.74	-1.34
7	176	27395.0	-779.8	918.2	-0.23	-0.82	-1.34
	177	-27395.0	3683.9	-918.2	0.23	-0.77	-2.51
8	176	27236.6	-1072.9	961.1	-0.33	-0.89	-1.88
	177	-27236.6	4871.2	-1197.4	0.33	-0.98	-3.25
9	176	27375.7	-862.8	937.0	-0.23	-0.82	-1.33
	177	-27375.7	3766.9	-937.0	0.23	-0.79	-2.66
10	176	27491.2	-634.8	926.3	-0.15	-0.78	-0.92
	177	-27491.2	2868.2	-729.1	0.15	-0.65	-2.10
11	176	-27486.3	-390.6	-765.1	-0.17	0.66	-1.38
	177	27486.3	2363.2	765.1	0.17	0.66	-0.99
12	176	27402.3	-497.4	872.8	-0.14	-0.78	-0.81
	177	-27402.3	2470.0	-872.8	0.14	-0.73	-1.75
13	176	-27750.2	-879.0	-693.6	-0.34	0.55	-2.28
	177	27750.2	4342.0	299.7	0.34	0.31	-2.22
14	176	27138.3	-985.8	944.3	-0.30	-0.90	-1.71
	177	-27138.3	4448.8	-1338.2	0.30	-1.07	-2.97
15	176	-27518.5	-528.8	-733.8	-0.17	0.65	-1.37
	177	27518.5	2501.4	733.8	0.17	0.62	-1.24
16	176	27370.1	-635.6	904.1	-0.14	-0.79	-0.80
	177	-27370.1	2608.2	-904.1	0.14	-0.77	-1.99
17	176	-27325.9	-148.9	-751.7	-0.05	0.72	-0.69
	177	27325.9	1003.7	1080.3	0.05	0.86	-0.30
18	176	27562.7	-255.7	886.2	-0.01	-0.72	-0.12
	177	-27562.7	1110.5	-557.6	0.01	-0.52	-1.06
19	176	-45788.9	-384.4	-1304.3	-0.19	1.14	-1.57
	177	45788.9	2357.0	1304.3	0.19	1.11	-0.79
20	176	45692.1	-562.4	1425.6	-0.12	-1.26	-0.62
	177	-45692.1	2535.0	-1425.6	0.12	-1.20	-2.05
21	176	-45947.2	-677.4	-1261.4	-0.28	1.07	-2.11
	177	45947.2	3544.3	1025.1	0.28	0.90	-1.53
22	176	45533.7	-855.4	1468.4	-0.22	-1.33	-1.16
	177	-45533.7	3722.3	-1704.8	0.22	-1.41	-2.79
23	176	-45808.2	-467.3	-1285.5	-0.19	1.13	-1.57
	177	45808.2	2439.9	1285.5	0.19	1.08	-0.94

	176	45672.8	-645.3	1444.3	-0.12	-1.27	-0.61
	177	-45672.8	2617.9	-1444.3	0.12	-1.22	-2.20
25	176	-45692.6	-239.4	-1296.2	-0.11	1.17	-1.15
	177	45692.6	1541.3	1493.4	0.11	1.23	-0.38
26	176	45788.4	-417.4	1433.6	-0.05	-1.23	-0.20
	177	-45788.4	1719.3	-1236.4	0.05	-1.08	-1.64
27	176	-524.2	-1050.2	199.2	-0.16	-0.12	-1.07
	177	524.2	3049.4	-199.2	0.16	-0.22	-2.45
28	176	-724.7	-1196.4	325.7	-0.17	-0.18	-1.10
	177	724.7	3195.6	-325.7	0.17	-0.38	-2.71
29	176	121.1	-460.0	-79.8	-0.15	0.01	-1.06
	177	-121.1	2459.1	79.8	0.15	0.13	-1.39
30	176	139.5	-343.9	18.3	-0.17	-0.04	-1.12
	177	-139.5	2343.0	-18.3	0.17	0.01	-1.19
31	176	651.1	148.9	-176.4	-0.17	0.05	-1.13
	177	-651.1	1850.3	176.4	0.17	0.26	-0.31
32	176	450.6	2.7	-49.9	-0.18	-0.02	-1.16
	177	-450.6	1996.4	49.9	0.18	0.10	-0.58
33	176	-547.3	-947.2	341.8	-0.18	-0.19	-1.15
	177	547.3	2946.4	-341.8	0.18	-0.40	-2.28
34	176	-194.7	-587.5	229.1	-0.18	-0.15	-1.17
	177	194.7	2586.7	-229.1	0.18	-0.25	-1.64
35	176	-36.2	-355.0	48.9	-0.11	-0.04	-0.76
	177	36.2	1733.2	-48.9	0.11	-0.04	-1.04
36	176	-29.2	-157.0	16.4	-0.05	-0.02	-0.41
	177	29.2	914.1	-16.4	0.05	-0.01	-0.51
37	176	-134.8	-352.4	45.0	-0.11	-0.07	-0.77
	177	134.8	1705.7	-202.5	0.11	-0.15	-1.00
38	176	-42.1	-212.3	28.9	-0.05	-0.02	-0.41
	177	42.1	969.5	-28.9	0.05	-0.03	-0.61
39	176	35.0	-60.3	21.7	0.00	0.00	-0.14
	177	-35.0	370.4	109.7	-0.00	0.07	-0.24
40	176	-18331.8	-150.8	-522.8	-0.06	0.46	-0.60
	177	18331.8	907.9	522.8	0.06	0.44	-0.31
41	176	18260.6	-222.0	569.1	-0.03	-0.50	-0.22
	177	-18260.6	979.1	-569.1	0.03	-0.48	-0.82
42	176	-36.8	-523.7	74.6	-0.17	-0.07	-1.11
	177	36.8	2522.9	-74.6	0.17	-0.06	-1.51
43	176	-542.9	-1069.4	206.1	-0.16	-0.12	-1.07
	177	542.9	3068.6	-206.1	0.16	-0.23	-2.48
44	176	-750.9	-1219.6	334.0	-0.17	-0.19	-1.09
	177	750.9	3218.7	-334.0	0.17	-0.39	-2.75
45	176	126.9	-459.7	-79.8	-0.15	0.01	-1.06
	177	-126.9	2458.9	79.8	0.15	0.13	-1.39
46	176	493.0	-87.3	-197.0	-0.16	0.06	-1.08
	177	-493.0	2086.4	197.0	0.16	0.28	-0.73
47	176	677.3	172.1	-184.7	-0.17	0.05	-1.13
	177	-677.3	1827.1	184.7	0.17	0.27	-0.27
48	176	469.3	21.9	-56.8	-0.17	-0.01	-1.16
	177	-469.3	1977.2	56.8	0.17	0.11	-0.55
49	176	-566.6	-960.2	346.3	-0.18	-0.20	-1.15
	177	566.6	2959.4	-346.3	0.18	-0.40	-2.30
50	176	-200.5	-587.8	229.1	-0.18	-0.15	-1.17
	177	200.5	2586.9	-229.1	0.18	-0.25	-1.64
51	176	-446.5	-629.8	129.3	-0.04	-0.07	-0.37
	177	446.5	1387.0	-129.3	0.04	-0.16	-1.35

	176	-612.7	-750.8	231.7	-0.05	-0.12	-0.39
	177	612.7	1508.0	-231.7	0.05	-0.28	-1.57
53	176	93.2	-135.9	-100.3	-0.04	0.04	-0.37
	177	-93.2	893.1	100.3	0.04	0.13	-0.46
54	176	389.6	166.4	-194.7	-0.04	0.08	-0.38
	177	-389.6	590.8	194.7	0.04	0.25	0.07
55	176	541.5	378.1	-185.5	-0.05	0.07	-0.43
	177	-541.5	379.1	185.5	0.05	0.25	0.44
56	176	375.3	257.1	-83.1	-0.05	0.02	-0.45
	177	-375.3	500.1	83.1	0.05	0.12	0.22
57	176	-460.8	-539.1	241.0	-0.05	-0.13	-0.44
	177	460.8	1296.3	-241.0	0.05	-0.29	-1.20
58	176	-164.4	-236.8	146.6	-0.06	-0.08	-0.46
	177	164.4	994.0	-146.6	0.06	-0.17	-0.66
1	37	-38.3	239.4	0.0	-0.00	0.00	0.00
	38	38.3	239.4	0.0	0.00	0.00	0.00
2	37	-202.3	938.3	0.0	-0.00	0.00	0.00
	38	202.3	938.3	0.0	0.00	0.00	0.00
3	37	-3193.8	1273.8	80.5	-0.00	0.00	0.00
	38	3193.8	1273.8	80.5	0.00	0.00	0.00
4	37	-3352.3	938.3	0.0	-0.00	0.00	0.00
	38	3352.3	938.3	0.0	0.00	0.00	0.00
5	37	-3340.0	686.7	-60.4	-0.00	0.00	0.00
	38	3340.0	686.7	-60.4	0.00	0.00	0.00
6	37	-3206.4	938.3	0.0	-0.00	0.00	0.00
	38	3206.4	938.3	0.0	0.00	0.00	0.00
7	37	2954.1	1273.8	80.5	0.00	0.00	0.00
	38	-2954.1	1273.8	80.5	-0.00	0.00	0.00
8	37	2795.6	938.3	0.0	0.00	0.00	0.00
	38	-2795.6	938.3	0.0	-0.00	0.00	0.00
9	37	2807.9	686.7	-60.4	-0.00	0.00	0.00
	38	-2807.9	686.7	-60.4	0.00	0.00	0.00
10	37	2941.5	938.3	0.0	-0.00	0.00	0.00
	38	-2941.5	938.3	0.0	0.00	0.00	0.00
11	37	-3056.8	1148.0	134.2	-0.00	0.00	0.00
	38	3056.8	1148.0	134.2	0.00	0.00	0.00
12	37	3091.1	1148.0	134.2	0.00	0.00	0.00
	38	-3091.1	1148.0	134.2	-0.00	0.00	0.00
13	37	-3321.1	588.9	0.0	-0.00	0.00	0.00
	38	3321.1	588.9	0.0	0.00	0.00	0.00
14	37	2826.8	588.9	0.0	0.00	0.00	0.00
	38	-2826.8	588.9	0.0	-0.00	0.00	0.00
15	37	-3300.5	169.5	-100.6	-0.00	0.00	0.00
	38	3300.5	169.5	-100.6	0.00	0.00	0.00
16	37	2847.3	169.5	-100.6	-0.00	0.00	0.00
	38	-2847.3	169.5	-100.6	0.00	0.00	0.00
17	37	-3077.9	588.9	0.0	-0.00	0.00	0.00
	38	3077.9	588.9	0.0	0.00	0.00	0.00
18	37	3070.0	588.9	0.0	-0.00	0.00	0.00
	38	-3070.0	588.9	0.0	0.00	0.00	0.00
19	37	-5161.1	924.4	80.5	-0.00	0.00	0.00
	38	5161.1	924.4	80.5	0.00	0.00	0.00
20	37	5085.4	924.4	80.5	0.00	0.00	0.00
	38	-5085.4	924.4	80.5	-0.00	0.00	0.00
21	37	-5319.6	588.9	0.0	-0.00	0.00	0.00

	38	5319.6	588.9	0.0	0.00	0.00	0.00
22	37	4926.9	588.9	0.0	0.00	0.00	0.00
	38	-4926.9	588.9	0.0	-0.00	0.00	0.00
23	37	-5307.3	337.2	-60.4	-0.00	0.00	0.00
	38	5307.3	337.2	-60.4	0.00	0.00	0.00
24	37	4939.2	337.2	-60.4	0.00	0.00	0.00
	38	-4939.2	337.2	-60.4	-0.00	0.00	0.00
25	37	-5173.7	588.9	0.0	-0.00	0.00	0.00
	38	5173.7	588.9	0.0	0.00	0.00	0.00
26	37	5072.8	588.9	0.0	0.00	0.00	0.00
	38	-5072.8	588.9	0.0	-0.00	0.00	0.00
27	37	-1053.6	633.7	0.0	-0.00	0.00	0.00
	38	1053.6	633.7	0.0	0.00	0.00	0.00
28	37	-562.3	633.7	0.0	-0.00	0.00	0.00
	38	562.3	633.7	0.0	0.00	0.00	0.00
29	37	-1155.3	633.7	0.0	-0.00	0.00	0.00
	38	1155.3	633.7	0.0	0.00	0.00	0.00
30	37	67.7	633.7	0.0	-0.00	0.00	0.00
	38	-67.7	633.7	0.0	0.00	0.00	0.00
31	37	293.6	633.7	0.0	0.00	0.00	0.00
	38	-293.6	633.7	0.0	-0.00	0.00	0.00
32	37	784.9	633.7	0.0	0.00	0.00	0.00
	38	-784.9	633.7	0.0	-0.00	0.00	0.00
33	37	482.4	633.7	0.0	-0.00	0.00	0.00
	38	-482.4	633.7	0.0	0.00	0.00	0.00
34	37	886.5	633.7	0.0	-0.00	0.00	0.00
	38	-886.5	633.7	0.0	0.00	0.00	0.00
35	37	-79.7	400.7	0.0	-0.00	0.00	0.00
	38	79.7	400.7	0.0	0.00	0.00	0.00
36	37	29.9	391.4	53.7	-0.00	0.00	0.00
	38	-29.9	391.4	53.7	0.00	0.00	0.00
37	37	-75.8	167.8	0.0	0.00	0.00	0.00
	38	75.8	167.8	0.0	-0.00	0.00	0.00
38	37	-67.6	0.0	-40.3	-0.00	0.00	0.00
	38	67.6	0.0	-40.3	0.00	0.00	0.00
39	37	21.5	167.8	0.0	-0.00	0.00	0.00
	38	-21.5	167.8	0.0	0.00	0.00	0.00
40	37	-2074.4	167.8	0.0	-0.00	0.00	0.00
	38	2074.4	167.8	0.0	0.00	0.00	0.00
41	37	2024.2	167.8	0.0	0.00	0.00	0.00
	38	-2024.2	167.8	0.0	-0.00	0.00	0.00
42	37	-134.4	633.7	0.0	-0.00	0.00	0.00
	38	134.4	633.7	0.0	0.00	0.00	0.00
43	37	-1078.7	633.7	0.0	-0.00	0.00	0.00
	38	1078.7	633.7	0.0	0.00	0.00	0.00
44	37	-568.6	633.7	0.0	-0.00	0.00	0.00
	38	568.6	633.7	0.0	0.00	0.00	0.00
45	37	-1191.4	633.7	0.0	-0.00	0.00	0.00
	38	1191.4	633.7	0.0	0.00	0.00	0.00
46	37	-777.8	633.7	0.0	0.00	0.00	0.00
	38	777.8	633.7	0.0	-0.00	0.00	0.00
47	37	299.9	633.7	0.0	0.00	0.00	0.00
	38	-299.9	633.7	0.0	-0.00	0.00	0.00
48	37	810.0	633.7	0.0	0.00	0.00	0.00
	38	-810.0	633.7	0.0	-0.00	0.00	0.00
49	37	509.1	633.7	0.0	-0.00	0.00	0.00

	38	-509.1	633.7	0.0	0.00	0.00	0.00
50	37	922.7	633.7	0.0	-0.00	0.00	0.00
	38	-922.7	633.7	0.0	0.00	0.00	0.00
51	37	-796.7	167.8	0.0	-0.00	0.00	0.00
	38	796.7	167.8	0.0	0.00	0.00	0.00
52	37	-383.5	167.8	0.0	-0.00	0.00	0.00
	38	383.5	167.8	0.0	0.00	0.00	0.00
53	37	-883.2	167.8	0.0	-0.00	0.00	0.00
	38	883.2	167.8	0.0	0.00	0.00	0.00
54	37	-544.2	167.8	0.0	0.00	0.00	0.00
	38	544.2	167.8	0.0	-0.00	0.00	0.00
55	37	333.4	167.8	0.0	0.00	0.00	0.00
	38	-333.4	167.8	0.0	-0.00	0.00	0.00
56	37	746.6	167.8	0.0	0.00	0.00	0.00
	38	-746.6	167.8	0.0	-0.00	0.00	0.00
57	37	494.1	167.8	0.0	-0.00	0.00	0.00
	38	-494.1	167.8	0.0	0.00	0.00	0.00
58	37	833.1	167.8	0.0	-0.00	0.00	0.00
	38	-833.1	167.8	0.0	0.00	0.00	0.00
1	38	-15.8	239.2	0.0	-0.00	0.00	0.00
	39	15.8	239.2	0.0	0.00	0.00	0.00
2	38	-124.0	937.7	0.0	-0.01	0.00	0.00
	39	124.0	937.7	0.0	0.01	0.00	0.00
3	38	-3232.3	1273.0	80.5	-0.01	0.00	0.00
	39	3232.3	1273.0	80.5	0.01	0.00	0.00
4	38	-3338.2	937.7	0.0	-0.01	0.00	0.00
	39	3338.2	937.7	0.0	0.01	0.00	0.00
5	38	-3367.4	686.3	-60.4	-0.01	0.00	0.00
	39	3367.4	686.3	-60.4	0.01	0.00	0.00
6	38	-3253.9	937.7	0.0	-0.01	0.00	0.00
	39	3253.9	937.7	0.0	0.01	0.00	0.00
7	38	3135.0	1273.0	80.5	-0.01	0.00	0.00
	39	-3135.0	1273.0	80.5	0.01	0.00	0.00
8	38	3029.1	937.7	0.0	-0.00	0.00	0.00
	39	-3029.1	937.7	0.0	0.00	0.00	0.00
9	38	2999.9	686.3	-60.4	-0.00	0.00	0.00
	39	-2999.9	686.3	-60.4	0.00	0.00	0.00
10	38	3113.4	937.7	0.0	-0.01	0.00	0.00
	39	-3113.4	937.7	0.0	0.01	0.00	0.00
11	38	-3128.0	1147.3	134.1	-0.01	0.00	0.00
	39	3128.0	1147.3	134.1	0.01	0.00	0.00
12	38	3239.3	1147.3	134.1	-0.00	0.00	0.00
	39	-3239.3	1147.3	134.1	0.00	0.00	0.00
13	38	-3304.4	588.5	0.0	-0.00	0.00	0.00
	39	3304.4	588.5	0.0	0.00	0.00	0.00
14	38	3062.9	588.5	0.0	-0.00	0.00	0.00
	39	-3062.9	588.5	0.0	0.00	0.00	0.00
15	38	-3353.1	169.4	-100.6	-0.00	0.00	0.00
	39	3353.1	169.4	-100.6	0.00	0.00	0.00
16	38	3014.2	169.4	-100.6	-0.00	0.00	0.00
	39	-3014.2	169.4	-100.6	0.00	0.00	0.00
17	38	-3163.9	588.5	0.0	-0.01	0.00	0.00
	39	3163.9	588.5	0.0	0.01	0.00	0.00
18	38	3203.4	588.5	0.0	-0.00	0.00	0.00
	39	-3203.4	588.5	0.0	0.00	0.00	0.00

	38	-5300.7	923.8	80.5	-0.01	0.00	0.00
	39	5300.7	923.8	80.5	0.01	0.00	0.00
20	38	5311.5	923.8	80.5	-0.00	0.00	0.00
	39	-5311.5	923.8	80.5	0.00	0.00	0.00
21	38	-5406.5	588.5	0.0	-0.00	0.00	0.00
	39	5406.5	588.5	0.0	0.00	0.00	0.00
22	38	5205.6	588.5	0.0	-0.00	0.00	0.00
	39	-5205.6	588.5	0.0	0.00	0.00	0.00
23	38	-5435.7	337.0	-60.4	-0.01	0.00	0.00
	39	5435.7	337.0	-60.4	0.01	0.00	0.00
24	38	5176.4	337.0	-60.4	-0.00	0.00	0.00
	39	-5176.4	337.0	-60.4	0.00	0.00	0.00
25	38	-5322.2	588.5	0.0	-0.01	0.00	0.00
	39	5322.2	588.5	0.0	0.01	0.00	0.00
26	38	5289.9	588.5	0.0	-0.00	0.00	0.00
	39	-5289.9	588.5	0.0	0.00	0.00	0.00
27	38	-774.9	633.3	0.0	-0.01	0.00	0.00
	39	774.9	633.3	0.0	0.01	0.00	0.00
28	38	-373.9	633.3	0.0	-0.01	0.00	0.00
	39	373.9	633.3	0.0	0.01	0.00	0.00
29	38	-895.9	633.3	0.0	-0.00	0.00	0.00
	39	895.9	633.3	0.0	0.00	0.00	0.00
30	38	70.0	633.3	0.0	-0.00	0.00	0.00
	39	-70.0	633.3	0.0	0.00	0.00	0.00
31	38	216.4	633.3	0.0	0.00	0.00	0.00
	39	-216.4	633.3	0.0	-0.00	0.00	0.00
32	38	617.4	633.3	0.0	-0.00	0.00	0.00
	39	-617.4	633.3	0.0	0.00	0.00	0.00
33	38	441.0	633.3	0.0	-0.01	0.00	0.00
	39	-441.0	633.3	0.0	0.01	0.00	0.00
34	38	738.4	633.3	0.0	-0.00	0.00	0.00
	39	-738.4	633.3	0.0	0.00	0.00	0.00
35	38	-42.7	400.5	0.0	-0.00	0.00	0.00
	39	42.7	400.5	0.0	0.00	0.00	0.00
36	38	43.6	391.2	53.6	-0.00	0.00	0.00
	39	-43.6	391.2	53.6	0.00	0.00	0.00
37	38	-27.0	167.7	0.0	-0.00	0.00	0.00
	39	27.0	167.7	0.0	0.00	0.00	0.00
38	38	-46.4	0.0	-40.2	-0.00	0.00	0.00
	39	46.4	0.0	-40.2	0.00	0.00	0.00
39	38	29.2	167.7	0.0	-0.00	0.00	0.00
	39	-29.2	167.7	0.0	0.00	0.00	0.00
40	38	-2129.0	167.7	0.0	-0.00	0.00	0.00
	39	2129.0	167.7	0.0	0.00	0.00	0.00
41	38	2115.8	167.7	0.0	-0.00	0.00	0.00
	39	-2115.8	167.7	0.0	0.00	0.00	0.00
42	38	-78.7	633.3	0.0	-0.00	0.00	0.00
	39	78.7	633.3	0.0	0.00	0.00	0.00
43	38	-792.3	633.3	0.0	-0.01	0.00	0.00
	39	792.3	633.3	0.0	0.01	0.00	0.00
44	38	-374.9	633.3	0.0	-0.01	0.00	0.00
	39	374.9	633.3	0.0	0.01	0.00	0.00
45	38	-926.0	633.3	0.0	-0.00	0.00	0.00
	39	926.0	633.3	0.0	0.00	0.00	0.00
46	38	-623.1	633.3	0.0	-0.00	0.00	0.00
	39	623.1	633.3	0.0	0.00	0.00	0.00

	38	217.4	633.3	0.0	-0.00	0.00	0.00
	39	-217.4	633.3	0.0	0.00	0.00	0.00
48	38	634.9	633.3	0.0	-0.00	0.00	0.00
	39	-634.9	633.3	0.0	0.00	0.00	0.00
49	38	465.6	633.3	0.0	-0.01	0.00	0.00
	39	-465.6	633.3	0.0	0.01	0.00	0.00
50	38	768.5	633.3	0.0	-0.00	0.00	0.00
	39	-768.5	633.3	0.0	0.00	0.00	0.00
51	38	-589.4	167.7	0.0	-0.00	0.00	0.00
	39	589.4	167.7	0.0	0.00	0.00	0.00
52	38	-251.7	167.7	0.0	-0.00	0.00	0.00
	39	251.7	167.7	0.0	0.00	0.00	0.00
53	38	-693.5	167.7	0.0	-0.00	0.00	0.00
	39	693.5	167.7	0.0	0.00	0.00	0.00
54	38	-445.1	167.7	0.0	-0.00	0.00	0.00
	39	445.1	167.7	0.0	0.00	0.00	0.00
55	38	238.5	167.7	0.0	0.00	0.00	0.00
	39	-238.5	167.7	0.0	-0.00	0.00	0.00
56	38	576.1	167.7	0.0	0.00	0.00	0.00
	39	-576.1	167.7	0.0	-0.00	0.00	0.00
57	38	431.9	167.7	0.0	-0.00	0.00	0.00
	39	-431.9	167.7	0.0	0.00	0.00	0.00
58	38	680.3	167.7	0.0	0.00	0.00	0.00
	39	-680.3	167.7	0.0	-0.00	0.00	0.00
1	39	-17.9	239.2	0.0	0.00	0.00	0.00
	40	17.9	239.2	0.0	-0.00	0.00	0.00
2	39	-109.4	937.7	0.0	0.00	0.00	0.00
	40	109.4	937.7	0.0	-0.00	0.00	0.00
3	39	-3105.6	1273.0	80.5	0.00	0.00	0.00
	40	3105.6	1273.0	80.5	-0.00	0.00	0.00
4	39	-3203.8	937.7	0.0	0.00	0.00	0.00
	40	3203.8	937.7	0.0	-0.00	0.00	0.00
5	39	-3263.0	686.3	-60.4	0.00	0.00	0.00
	40	3263.0	686.3	-60.4	-0.00	0.00	0.00
6	39	-3150.0	937.7	0.0	0.00	0.00	0.00
	40	3150.0	937.7	0.0	-0.00	0.00	0.00
7	39	3062.4	1273.0	80.5	0.00	0.00	0.00
	40	-3062.4	1273.0	80.5	-0.00	0.00	0.00
8	39	2964.2	937.7	0.0	0.00	0.00	0.00
	40	-2964.2	937.7	0.0	-0.00	0.00	0.00
9	39	2904.9	686.3	-60.4	0.00	0.00	0.00
	40	-2904.9	686.3	-60.4	-0.00	0.00	0.00
10	39	3018.0	937.7	0.0	0.00	0.00	0.00
	40	-3018.0	937.7	0.0	-0.00	0.00	0.00
11	39	-3001.3	1147.3	134.1	0.00	0.00	0.00
	40	3001.3	1147.3	134.1	-0.00	0.00	0.00
12	39	3166.7	1147.3	134.1	0.00	0.00	0.00
	40	-3166.7	1147.3	134.1	-0.00	0.00	0.00
13	39	-3165.0	588.5	0.0	0.00	0.00	0.00
	40	3165.0	588.5	0.0	-0.00	0.00	0.00
14	39	3003.0	588.5	0.0	0.00	0.00	0.00
	40	-3003.0	588.5	0.0	-0.00	0.00	0.00
15	39	-3263.7	169.4	-100.6	0.00	0.00	0.00
	40	3263.7	169.4	-100.6	-0.00	0.00	0.00
16	39	2904.3	169.4	-100.6	0.00	0.00	0.00

	40	-2904.3	169.4	-100.6	-0.00	0.00	0.00
17	39	-3075.3	588.5	0.0	0.00	0.00	0.00
	40	3075.3	588.5	0.0	-0.00	0.00	0.00
18	39	3092.7	588.5	0.0	0.00	0.00	0.00
	40	-3092.7	588.5	0.0	-0.00	0.00	0.00
19	39	-5115.9	923.8	80.5	0.00	0.00	0.00
	40	5115.9	923.8	80.5	-0.00	0.00	0.00
20	39	5164.1	923.8	80.5	0.00	0.00	0.00
	40	-5164.1	923.8	80.5	-0.00	0.00	0.00
21	39	-5214.0	588.5	0.0	0.00	0.00	0.00
	40	5214.0	588.5	0.0	-0.00	0.00	0.00
22	39	5066.0	588.5	0.0	0.00	0.00	0.00
	40	-5066.0	588.5	0.0	-0.00	0.00	0.00
23	39	-5273.3	337.0	-60.4	0.00	0.00	0.00
	40	5273.3	337.0	-60.4	-0.00	0.00	0.00
24	39	5006.7	337.0	-60.4	0.00	0.00	0.00
	40	-5006.7	337.0	-60.4	-0.00	0.00	0.00
25	39	-5160.2	588.5	0.0	0.00	0.00	0.00
	40	5160.2	588.5	0.0	-0.00	0.00	0.00
26	39	5119.7	588.5	0.0	0.00	0.00	0.00
	40	-5119.7	588.5	0.0	-0.00	0.00	0.00
27	39	-702.1	633.3	0.0	0.01	0.00	0.00
	40	702.1	633.3	0.0	-0.01	0.00	0.00
28	39	-328.1	633.3	0.0	0.00	0.00	0.00
	40	328.1	633.3	0.0	-0.00	0.00	0.00
29	39	-826.0	633.3	0.0	0.00	0.00	0.00
	40	826.0	633.3	0.0	-0.00	0.00	0.00
30	39	64.9	633.3	0.0	0.00	0.00	0.00
	40	-64.9	633.3	0.0	-0.00	0.00	0.00
31	39	190.3	633.3	0.0	0.00	0.00	0.00
	40	-190.3	633.3	0.0	-0.00	0.00	0.00
32	39	564.2	633.3	0.0	-0.00	0.00	0.00
	40	-564.2	633.3	0.0	0.00	0.00	0.00
33	39	420.5	633.3	0.0	0.00	0.00	0.00
	40	-420.5	633.3	0.0	-0.00	0.00	0.00
34	39	688.2	633.3	0.0	0.00	0.00	0.00
	40	-688.2	633.3	0.0	-0.00	0.00	0.00
35	39	-38.4	400.5	0.0	0.00	0.00	0.00
	40	38.4	400.5	0.0	-0.00	0.00	0.00
36	39	50.6	391.2	53.6	0.00	0.00	0.00
	40	-50.6	391.2	53.6	-0.00	0.00	0.00
37	39	-14.8	167.7	0.0	0.00	0.00	0.00
	40	14.8	167.7	0.0	-0.00	0.00	0.00
38	39	-54.3	0.0	-40.2	0.00	0.00	0.00
	40	54.3	0.0	-40.2	-0.00	0.00	0.00
39	39	21.0	167.7	0.0	0.00	0.00	0.00
	40	-21.0	167.7	0.0	-0.00	0.00	0.00
40	39	-2063.9	167.7	0.0	0.00	0.00	0.00
	40	2063.9	167.7	0.0	-0.00	0.00	0.00
41	39	2048.1	167.7	0.0	0.00	0.00	0.00
	40	-2048.1	167.7	0.0	-0.00	0.00	0.00
42	39	-68.9	633.3	0.0	0.00	0.00	0.00
	40	68.9	633.3	0.0	-0.00	0.00	0.00
43	39	-715.7	633.3	0.0	0.01	0.00	0.00
	40	715.7	633.3	0.0	-0.01	0.00	0.00
44	39	-325.9	633.3	0.0	0.00	0.00	0.00

	40	325.9	633.3	0.0	-0.00	0.00	0.00
45	39	-854.2	633.3	0.0	0.00	0.00	0.00
	40	854.2	633.3	0.0	-0.00	0.00	0.00
46	39	-583.1	633.3	0.0	0.00	0.00	0.00
	40	583.1	633.3	0.0	-0.00	0.00	0.00
47	39	188.0	633.3	0.0	0.00	0.00	0.00
	40	-188.0	633.3	0.0	-0.00	0.00	0.00
48	39	577.9	633.3	0.0	-0.00	0.00	0.00
	40	-577.9	633.3	0.0	0.00	0.00	0.00
49	39	445.2	633.3	0.0	0.00	0.00	0.00
	40	-445.2	633.3	0.0	-0.00	0.00	0.00
50	39	716.3	633.3	0.0	0.00	0.00	0.00
	40	-716.3	633.3	0.0	-0.00	0.00	0.00
51	39	-535.7	167.7	0.0	0.00	0.00	0.00
	40	535.7	167.7	0.0	-0.00	0.00	0.00
52	39	-220.8	167.7	0.0	0.00	0.00	0.00
	40	220.8	167.7	0.0	-0.00	0.00	0.00
53	39	-643.9	167.7	0.0	0.00	0.00	0.00
	40	643.9	167.7	0.0	-0.00	0.00	0.00
54	39	-421.7	167.7	0.0	0.00	0.00	0.00
	40	421.7	167.7	0.0	-0.00	0.00	0.00
55	39	205.0	167.7	0.0	-0.00	0.00	0.00
	40	-205.0	167.7	0.0	0.00	0.00	0.00
56	39	519.9	167.7	0.0	-0.00	0.00	0.00
	40	-519.9	167.7	0.0	0.00	0.00	0.00
57	39	405.9	167.7	0.0	0.00	0.00	0.00
	40	-405.9	167.7	0.0	-0.00	0.00	0.00
58	39	628.1	167.7	0.0	-0.00	0.00	0.00
	40	-628.1	167.7	0.0	0.00	0.00	0.00
1	40	-61.0	239.4	0.0	0.00	0.00	0.00
	41	61.0	239.4	0.0	-0.00	0.00	0.00
2	40	-180.9	938.3	0.0	0.00	0.00	0.00
	41	180.9	938.3	0.0	-0.00	0.00	0.00
3	40	-2884.7	1273.8	80.5	0.00	0.00	0.00
	41	2884.7	1273.8	80.5	-0.00	0.00	0.00
4	40	-3014.6	938.3	0.0	0.00	0.00	0.00
	41	3014.6	938.3	0.0	-0.00	0.00	0.00
5	40	-3117.0	686.7	-60.4	0.00	0.00	0.00
	41	3117.0	686.7	-60.4	-0.00	0.00	0.00
6	40	-2978.3	938.3	0.0	0.00	0.00	0.00
	41	2978.3	938.3	0.0	-0.00	0.00	0.00
7	40	2783.6	1273.8	80.5	0.00	0.00	0.00
	41	-2783.6	1273.8	80.5	-0.00	0.00	0.00
8	40	2653.7	938.3	0.0	0.00	0.00	0.00
	41	-2653.7	938.3	0.0	-0.00	0.00	0.00
9	40	2551.3	686.7	-60.4	0.00	0.00	0.00
	41	-2551.3	686.7	-60.4	-0.00	0.00	0.00
10	40	2690.0	938.3	0.0	0.00	0.00	0.00
	41	-2690.0	938.3	0.0	-0.00	0.00	0.00
11	40	-2738.0	1148.0	134.2	0.00	0.00	0.00
	41	2738.0	1148.0	134.2	-0.00	0.00	0.00
12	40	2930.3	1148.0	134.2	0.00	0.00	0.00
	41	-2930.3	1148.0	134.2	-0.00	0.00	0.00
13	40	-2954.4	588.9	0.0	0.00	0.00	0.00
	41	2954.4	588.9	0.0	-0.00	0.00	0.00

	40	2713.9	588.9	0.0	0.00	0.00	0.00
	41	-2713.9	588.9	0.0	-0.00	0.00	0.00
15	40	-3125.1	169.5	-100.6	0.00	0.00	0.00
	41	3125.1	169.5	-100.6	-0.00	0.00	0.00
16	40	2543.2	169.5	-100.6	0.00	0.00	0.00
	41	-2543.2	169.5	-100.6	-0.00	0.00	0.00
17	40	-2893.8	588.9	0.0	0.00	0.00	0.00
	41	2893.8	588.9	0.0	-0.00	0.00	0.00
18	40	2774.5	588.9	0.0	0.00	0.00	0.00
	41	-2774.5	588.9	0.0	-0.00	0.00	0.00
19	40	-4714.3	924.4	80.5	0.00	0.00	0.00
	41	4714.3	924.4	80.5	-0.00	0.00	0.00
20	40	4732.9	924.4	80.5	0.00	0.00	0.00
	41	-4732.9	924.4	80.5	-0.00	0.00	0.00
21	40	-4844.1	588.9	0.0	0.00	0.00	0.00
	41	4844.1	588.9	0.0	-0.00	0.00	0.00
22	40	4603.0	588.9	0.0	0.00	0.00	0.00
	41	-4603.0	588.9	0.0	-0.00	0.00	0.00
23	40	-4946.5	337.2	-60.4	0.00	0.00	0.00
	41	4946.5	337.2	-60.4	-0.00	0.00	0.00
24	40	4500.6	337.2	-60.4	0.00	0.00	0.00
	41	-4500.6	337.2	-60.4	-0.00	0.00	0.00
25	40	-4807.8	588.9	0.0	0.00	0.00	0.00
	41	4807.8	588.9	0.0	-0.00	0.00	0.00
26	40	4639.4	588.9	0.0	0.00	0.00	0.00
	41	-4639.4	588.9	0.0	-0.00	0.00	0.00
27	40	-739.4	633.7	0.0	0.00	0.00	0.00
	41	739.4	633.7	0.0	-0.00	0.00	0.00
28	40	-428.8	633.7	0.0	0.00	0.00	0.00
	41	428.8	633.7	0.0	-0.00	0.00	0.00
29	40	-777.0	633.7	0.0	0.00	0.00	0.00
	41	777.0	633.7	0.0	-0.00	0.00	0.00
30	40	19.1	633.7	0.0	0.00	0.00	0.00
	41	-19.1	633.7	0.0	-0.00	0.00	0.00
31	40	188.6	633.7	0.0	-0.00	0.00	0.00
	41	-188.6	633.7	0.0	0.00	0.00	0.00
32	40	499.2	633.7	0.0	-0.00	0.00	0.00
	41	-499.2	633.7	0.0	0.00	0.00	0.00
33	40	258.4	633.7	0.0	0.00	0.00	0.00
	41	-258.4	633.7	0.0	-0.00	0.00	0.00
34	40	536.8	633.7	0.0	-0.00	0.00	0.00
	41	-536.8	633.7	0.0	0.00	0.00	0.00
35	40	-80.2	400.7	0.0	0.00	0.00	0.00
	41	80.2	400.7	0.0	-0.00	0.00	0.00
36	40	46.6	391.4	53.7	0.00	0.00	0.00
	41	-46.6	391.4	53.7	-0.00	0.00	0.00
37	40	-40.0	167.8	0.0	0.00	0.00	0.00
	41	40.0	167.8	0.0	-0.00	0.00	0.00
38	40	-108.2	0.0	-40.3	0.00	0.00	0.00
	41	108.2	0.0	-40.3	-0.00	0.00	0.00
39	40	-15.7	167.8	0.0	0.00	0.00	0.00
	41	15.7	167.8	0.0	-0.00	0.00	0.00
40	40	-1929.7	167.8	0.0	0.00	0.00	0.00
	41	1929.7	167.8	0.0	-0.00	0.00	0.00
41	40	1849.2	167.8	0.0	0.00	0.00	0.00
	41	-1849.2	167.8	0.0	-0.00	0.00	0.00

	40	-120.1	633.7	0.0	0.00	0.00	0.00
	41	120.1	633.7	0.0	-0.00	0.00	0.00
43	40	-745.8	633.7	0.0	0.00	0.00	0.00
	41	745.8	633.7	0.0	-0.00	0.00	0.00
44	40	-421.8	633.7	0.0	0.00	0.00	0.00
	41	421.8	633.7	0.0	-0.00	0.00	0.00
45	40	-799.1	633.7	0.0	0.00	0.00	0.00
	41	799.1	633.7	0.0	-0.00	0.00	0.00
46	40	-520.9	633.7	0.0	0.00	0.00	0.00
	41	520.9	633.7	0.0	-0.00	0.00	0.00
47	40	181.6	633.7	0.0	-0.00	0.00	0.00
	41	-181.6	633.7	0.0	0.00	0.00	0.00
48	40	505.5	633.7	0.0	-0.00	0.00	0.00
	41	-505.5	633.7	0.0	0.00	0.00	0.00
49	40	280.7	633.7	0.0	0.00	0.00	0.00
	41	-280.7	633.7	0.0	-0.00	0.00	0.00
50	40	558.9	633.7	0.0	-0.00	0.00	0.00
	41	-558.9	633.7	0.0	0.00	0.00	0.00
51	40	-550.7	167.8	0.0	0.00	0.00	0.00
	41	550.7	167.8	0.0	-0.00	0.00	0.00
52	40	-289.0	167.8	0.0	0.00	0.00	0.00
	41	289.0	167.8	0.0	-0.00	0.00	0.00
53	40	-590.4	167.8	0.0	0.00	0.00	0.00
	41	590.4	167.8	0.0	-0.00	0.00	0.00
54	40	-362.6	167.8	0.0	0.00	0.00	0.00
	41	362.6	167.8	0.0	-0.00	0.00	0.00
55	40	208.6	167.8	0.0	-0.00	0.00	0.00
	41	-208.6	167.8	0.0	0.00	0.00	0.00
56	40	470.3	167.8	0.0	-0.00	0.00	0.00
	41	-470.3	167.8	0.0	0.00	0.00	0.00
57	40	282.1	167.8	0.0	-0.00	0.00	0.00
	41	-282.1	167.8	0.0	0.00	0.00	0.00
58	40	509.9	167.8	0.0	-0.00	0.00	0.00
	41	-509.9	167.8	0.0	0.00	0.00	0.00
1	41	-63.6	239.4	0.0	-0.00	0.00	0.00
	42	63.6	239.4	0.0	0.00	0.00	0.00
2	41	-171.4	938.3	0.0	-0.00	0.00	0.00
	42	171.4	938.3	0.0	0.00	0.00	0.00
3	41	-2650.1	1273.8	80.5	-0.00	0.00	0.00
	42	2650.1	1273.8	80.5	0.00	0.00	0.00
4	41	-2772.5	938.3	0.0	-0.00	0.00	0.00
	42	2772.5	938.3	0.0	0.00	0.00	0.00
5	41	-2886.7	686.7	-60.4	-0.00	0.00	0.00
	42	2886.7	686.7	-60.4	0.00	0.00	0.00
6	41	-2753.0	938.3	0.0	-0.00	0.00	0.00
	42	2753.0	938.3	0.0	0.00	0.00	0.00
7	41	2572.6	1273.8	80.5	-0.00	0.00	0.00
	42	-2572.6	1273.8	80.5	0.00	0.00	0.00
8	41	2450.2	938.3	0.0	-0.00	0.00	0.00
	42	-2450.2	938.3	0.0	0.00	0.00	0.00
9	41	2336.0	686.7	-60.4	-0.00	0.00	0.00
	42	-2336.0	686.7	-60.4	0.00	0.00	0.00
10	41	2469.7	938.3	0.0	-0.00	0.00	0.00
	42	-2469.7	938.3	0.0	0.00	0.00	0.00
11	41	-2507.8	1148.0	134.2	-0.00	0.00	0.00

	42	2507.8	1148.0	134.2	0.00	0.00	0.00
12	41	2715.0	1148.0	134.2	-0.00	0.00	0.00
	42	-2715.0	1148.0	134.2	0.00	0.00	0.00
13	41	-2711.8	588.9	0.0	-0.00	0.00	0.00
	42	2711.8	588.9	0.0	0.00	0.00	0.00
14	41	2510.9	588.9	0.0	0.00	0.00	0.00
	42	-2510.9	588.9	0.0	-0.00	0.00	0.00
15	41	-2902.1	169.5	-100.6	-0.00	0.00	0.00
	42	2902.1	169.5	-100.6	0.00	0.00	0.00
16	41	2320.6	169.5	-100.6	-0.00	0.00	0.00
	42	-2320.6	169.5	-100.6	0.00	0.00	0.00
17	41	-2679.2	588.9	0.0	-0.00	0.00	0.00
	42	2679.2	588.9	0.0	0.00	0.00	0.00
18	41	2543.5	588.9	0.0	-0.00	0.00	0.00
	42	-2543.5	588.9	0.0	0.00	0.00	0.00
19	41	-4337.1	924.4	80.5	-0.00	0.00	0.00
	42	4337.1	924.4	80.5	0.00	0.00	0.00
20	41	4367.4	924.4	80.5	-0.00	0.00	0.00
	42	-4367.4	924.4	80.5	0.00	0.00	0.00
21	41	-4459.5	588.9	0.0	-0.00	0.00	0.00
	42	4459.5	588.9	0.0	0.00	0.00	0.00
22	41	4245.0	588.9	0.0	0.00	0.00	0.00
	42	-4245.0	588.9	0.0	-0.00	0.00	0.00
23	41	-4573.7	337.2	-60.4	-0.00	0.00	0.00
	42	4573.7	337.2	-60.4	0.00	0.00	0.00
24	41	4130.8	337.2	-60.4	-0.00	0.00	0.00
	42	-4130.8	337.2	-60.4	0.00	0.00	0.00
25	41	-4440.0	588.9	0.0	-0.00	0.00	0.00
	42	4440.0	588.9	0.0	0.00	0.00	0.00
26	41	4264.5	588.9	0.0	-0.00	0.00	0.00
	42	-4264.5	588.9	0.0	0.00	0.00	0.00
27	41	-650.5	633.7	0.0	-0.00	0.00	0.00
	42	650.5	633.7	0.0	0.00	0.00	0.00
28	41	-409.8	633.7	0.0	-0.00	0.00	0.00
	42	409.8	633.7	0.0	0.00	0.00	0.00
29	41	-640.2	633.7	0.0	-0.00	0.00	0.00
	42	640.2	633.7	0.0	0.00	0.00	0.00
30	41	10.5	633.7	0.0	-0.00	0.00	0.00
	42	-10.5	633.7	0.0	0.00	0.00	0.00
31	41	181.2	633.7	0.0	0.00	0.00	0.00
	42	-181.2	633.7	0.0	-0.00	0.00	0.00
32	41	421.9	633.7	0.0	0.00	0.00	0.00
	42	-421.9	633.7	0.0	-0.00	0.00	0.00
33	41	162.2	633.7	0.0	-0.00	0.00	0.00
	42	-162.2	633.7	0.0	0.00	0.00	0.00
34	41	411.7	633.7	0.0	-0.00	0.00	0.00
	42	-411.7	633.7	0.0	0.00	0.00	0.00
35	41	-78.3	400.7	0.0	-0.00	0.00	0.00
	42	78.3	400.7	0.0	0.00	0.00	0.00
36	41	46.1	391.4	53.7	-0.00	0.00	0.00
	42	-46.1	391.4	53.7	0.00	0.00	0.00
37	41	-35.6	167.8	0.0	-0.00	0.00	0.00
	42	35.6	167.8	0.0	0.00	0.00	0.00
38	41	-111.7	0.0	-40.3	-0.00	0.00	0.00
	42	111.7	0.0	-40.3	0.00	0.00	0.00
39	41	-22.5	167.8	0.0	-0.00	0.00	0.00

	42	22.5	167.8	0.0	0.00	0.00	0.00
40	41	-1783.3	167.8	0.0	-0.00	0.00	0.00
	42	1783.3	167.8	0.0	0.00	0.00	0.00
41	41	1698.5	167.8	0.0	0.00	0.00	0.00
	42	-1698.5	167.8	0.0	-0.00	0.00	0.00
42	41	-114.3	633.7	0.0	-0.00	0.00	0.00
	42	114.3	633.7	0.0	0.00	0.00	0.00
43	41	-650.8	633.7	0.0	-0.00	0.00	0.00
	42	650.8	633.7	0.0	0.00	0.00	0.00
44	41	-399.6	633.7	0.0	-0.00	0.00	0.00
	42	399.6	633.7	0.0	0.00	0.00	0.00
45	41	-656.3	633.7	0.0	-0.00	0.00	0.00
	42	656.3	633.7	0.0	0.00	0.00	0.00
46	41	-409.7	633.7	0.0	0.00	0.00	0.00
	42	409.7	633.7	0.0	-0.00	0.00	0.00
47	41	171.0	633.7	0.0	0.00	0.00	0.00
	42	-171.0	633.7	0.0	-0.00	0.00	0.00
48	41	422.3	633.7	0.0	0.00	0.00	0.00
	42	-422.3	633.7	0.0	-0.00	0.00	0.00
49	41	181.2	633.7	0.0	-0.00	0.00	0.00
	42	-181.2	633.7	0.0	0.00	0.00	0.00
50	41	427.8	633.7	0.0	-0.00	0.00	0.00
	42	-427.8	633.7	0.0	0.00	0.00	0.00
51	41	-480.0	167.8	0.0	-0.00	0.00	0.00
	42	480.0	167.8	0.0	0.00	0.00	0.00
52	41	-277.1	167.8	0.0	-0.00	0.00	0.00
	42	277.1	167.8	0.0	0.00	0.00	0.00
53	41	-481.5	167.8	0.0	-0.00	0.00	0.00
	42	481.5	167.8	0.0	0.00	0.00	0.00
54	41	-279.7	167.8	0.0	0.00	0.00	0.00
	42	279.7	167.8	0.0	-0.00	0.00	0.00
55	41	192.4	167.8	0.0	0.00	0.00	0.00
	42	-192.4	167.8	0.0	-0.00	0.00	0.00
56	41	395.3	167.8	0.0	0.00	0.00	0.00
	42	-395.3	167.8	0.0	-0.00	0.00	0.00
57	41	195.0	167.8	0.0	-0.00	0.00	0.00
	42	-195.0	167.8	0.0	0.00	0.00	0.00
58	41	396.7	167.8	0.0	-0.00	0.00	0.00
	42	-396.7	167.8	0.0	0.00	0.00	0.00
1	42	-25.6	239.2	0.0	-0.00	0.00	0.00
	43	25.6	239.2	0.0	0.00	0.00	0.00
2	42	-81.0	937.7	0.0	-0.00	0.00	0.00
	43	81.0	937.7	0.0	0.00	0.00	0.00
3	42	-2392.9	1273.0	80.5	-0.01	0.00	0.00
	43	2392.9	1273.0	80.5	0.01	0.00	0.00
4	42	-2472.1	937.7	0.0	-0.00	0.00	0.00
	43	2472.1	937.7	0.0	0.00	0.00	0.00
5	42	-2567.3	686.3	-60.4	-0.00	0.00	0.00
	43	2567.3	686.3	-60.4	0.00	0.00	0.00
6	42	-2466.1	937.7	0.0	-0.01	0.00	0.00
	43	2466.1	937.7	0.0	0.01	0.00	0.00
7	42	2425.2	1273.0	80.5	-0.00	0.00	0.00
	43	-2425.2	1273.0	80.5	0.00	0.00	0.00
8	42	2346.0	937.7	0.0	-0.00	0.00	0.00
	43	-2346.0	937.7	0.0	0.00	0.00	0.00

	42	2250.8	686.3	-60.4	-0.00	0.00	0.00
	43	-2250.8	686.3	-60.4	0.00	0.00	0.00
10	42	2352.0	937.7	0.0	-0.00	0.00	0.00
	43	-2352.0	937.7	0.0	0.00	0.00	0.00
11	42	-2300.5	1147.3	134.1	-0.00	0.00	0.00
	43	2300.5	1147.3	134.1	0.00	0.00	0.00
12	42	2517.6	1147.3	134.1	-0.00	0.00	0.00
	43	-2517.6	1147.3	134.1	0.00	0.00	0.00
13	42	-2432.4	588.5	0.0	-0.00	0.00	0.00
	43	2432.4	588.5	0.0	0.00	0.00	0.00
14	42	2385.7	588.5	0.0	-0.00	0.00	0.00
	43	-2385.7	588.5	0.0	0.00	0.00	0.00
15	42	-2591.1	169.4	-100.6	-0.00	0.00	0.00
	43	2591.1	169.4	-100.6	0.00	0.00	0.00
16	42	2227.0	169.4	-100.6	-0.00	0.00	0.00
	43	-2227.0	169.4	-100.6	0.00	0.00	0.00
17	42	-2422.5	588.5	0.0	-0.00	0.00	0.00
	43	2422.5	588.5	0.0	0.00	0.00	0.00
18	42	2395.7	588.5	0.0	-0.00	0.00	0.00
	43	-2395.7	588.5	0.0	0.00	0.00	0.00
19	42	-3971.3	923.8	80.5	-0.00	0.00	0.00
	43	3971.3	923.8	80.5	0.00	0.00	0.00
20	42	4058.9	923.8	80.5	-0.00	0.00	0.00
	43	-4058.9	923.8	80.5	0.00	0.00	0.00
21	42	-4050.4	588.5	0.0	-0.00	0.00	0.00
	43	4050.4	588.5	0.0	0.00	0.00	0.00
22	42	3979.8	588.5	0.0	-0.00	0.00	0.00
	43	-3979.8	588.5	0.0	0.00	0.00	0.00
23	42	-4145.7	337.0	-60.4	-0.00	0.00	0.00
	43	4145.7	337.0	-60.4	0.00	0.00	0.00
24	42	3884.6	337.0	-60.4	-0.00	0.00	0.00
	43	-3884.6	337.0	-60.4	0.00	0.00	0.00
25	42	-4044.5	588.5	0.0	-0.00	0.00	0.00
	43	4044.5	588.5	0.0	0.00	0.00	0.00
26	42	3985.7	588.5	0.0	-0.00	0.00	0.00
	43	-3985.7	588.5	0.0	0.00	0.00	0.00
27	42	-436.5	633.3	0.0	-0.01	0.00	0.00
	43	436.5	633.3	0.0	0.01	0.00	0.00
28	42	-262.8	633.3	0.0	-0.00	0.00	0.00
	43	262.8	633.3	0.0	0.00	0.00	0.00
29	42	-430.4	633.3	0.0	-0.00	0.00	0.00
	43	430.4	633.3	0.0	0.00	0.00	0.00
30	42	38.1	633.3	0.0	-0.00	0.00	0.00
	43	-38.1	633.3	0.0	0.00	0.00	0.00
31	42	160.1	633.3	0.0	-0.00	0.00	0.00
	43	-160.1	633.3	0.0	0.00	0.00	0.00
32	42	333.8	633.3	0.0	-0.00	0.00	0.00
	43	-333.8	633.3	0.0	0.00	0.00	0.00
33	42	148.7	633.3	0.0	-0.00	0.00	0.00
	43	-148.7	633.3	0.0	0.00	0.00	0.00
34	42	327.7	633.3	0.0	-0.00	0.00	0.00
	43	-327.7	633.3	0.0	0.00	0.00	0.00
35	42	-32.9	400.5	0.0	-0.00	0.00	0.00
	43	32.9	400.5	0.0	0.00	0.00	0.00
36	42	50.3	391.2	53.6	-0.00	0.00	0.00
	43	-50.3	391.2	53.6	0.00	0.00	0.00

	42	-2.4	167.7	0.0	-0.00	0.00	0.00
	43	2.4	167.7	0.0	0.00	0.00	0.00
38	42	-65.9	0.0	-40.2	-0.00	0.00	0.00
	43	65.9	0.0	-40.2	0.00	0.00	0.00
39	42	1.5	167.7	0.0	-0.00	0.00	0.00
	43	-1.5	167.7	0.0	0.00	0.00	0.00
40	42	-1620.5	167.7	0.0	-0.00	0.00	0.00
	43	1620.5	167.7	0.0	0.00	0.00	0.00
41	42	1591.6	167.7	0.0	-0.00	0.00	0.00
	43	-1591.6	167.7	0.0	0.00	0.00	0.00
42	42	-51.3	633.3	0.0	-0.00	0.00	0.00
	43	51.3	633.3	0.0	0.00	0.00	0.00
43	42	-434.3	633.3	0.0	-0.01	0.00	0.00
	43	434.3	633.3	0.0	0.01	0.00	0.00
44	42	-253.0	633.3	0.0	-0.00	0.00	0.00
	43	253.0	633.3	0.0	0.00	0.00	0.00
45	42	-441.3	633.3	0.0	-0.00	0.00	0.00
	43	441.3	633.3	0.0	0.00	0.00	0.00
46	42	-265.9	633.3	0.0	-0.00	0.00	0.00
	43	265.9	633.3	0.0	0.00	0.00	0.00
47	42	150.3	633.3	0.0	-0.00	0.00	0.00
	43	-150.3	633.3	0.0	0.00	0.00	0.00
48	42	331.7	633.3	0.0	-0.00	0.00	0.00
	43	-331.7	633.3	0.0	0.00	0.00	0.00
49	42	163.3	633.3	0.0	-0.00	0.00	0.00
	43	-163.3	633.3	0.0	0.00	0.00	0.00
50	42	338.7	633.3	0.0	-0.00	0.00	0.00
	43	-338.7	633.3	0.0	0.00	0.00	0.00
51	42	-326.7	167.7	0.0	-0.00	0.00	0.00
	43	326.7	167.7	0.0	0.00	0.00	0.00
52	42	-180.3	167.7	0.0	-0.00	0.00	0.00
	43	180.3	167.7	0.0	0.00	0.00	0.00
53	42	-330.1	167.7	0.0	-0.00	0.00	0.00
	43	330.1	167.7	0.0	0.00	0.00	0.00
54	42	-186.7	167.7	0.0	-0.00	0.00	0.00
	43	186.7	167.7	0.0	0.00	0.00	0.00
55	42	151.4	167.7	0.0	0.00	0.00	0.00
	43	-151.4	167.7	0.0	-0.00	0.00	0.00
56	42	297.8	167.7	0.0	0.00	0.00	0.00
	43	-297.8	167.7	0.0	-0.00	0.00	0.00
57	42	157.9	167.7	0.0	-0.00	0.00	0.00
	43	-157.9	167.7	0.0	0.00	0.00	0.00
58	42	301.3	167.7	0.0	0.00	0.00	0.00
	43	-301.3	167.7	0.0	-0.00	0.00	0.00
1	43	-26.9	239.2	-0.0	0.00	0.00	0.00
	44	26.9	239.2	-0.0	-0.00	0.00	0.00
2	43	-72.4	937.7	-0.0	0.00	0.00	0.00
	44	72.4	937.7	-0.0	-0.00	0.00	0.00
3	43	-2030.6	1273.0	80.5	0.01	0.00	0.00
	44	2030.6	1273.0	80.5	-0.01	0.00	0.00
4	43	-2103.4	937.7	-0.0	0.00	0.00	0.00
	44	2103.4	937.7	-0.0	-0.00	0.00	0.00
5	43	-2204.7	686.3	-60.4	0.00	0.00	0.00
	44	2204.7	686.3	-60.4	-0.00	0.00	0.00
6	43	-2111.1	937.7	-0.0	0.01	0.00	0.00

	44	2111.1	937.7	-0.0	-0.01	0.00	0.00
7	43	2079.8	1273.0	80.5	0.00	0.00	0.00
	44	-2079.8	1273.0	80.5	-0.00	0.00	0.00
8	43	2007.0	937.7	-0.0	0.00	0.00	0.00
	44	-2007.0	937.7	-0.0	-0.00	0.00	0.00
9	43	1905.7	686.3	-60.4	0.00	0.00	0.00
	44	-1905.7	686.3	-60.4	-0.00	0.00	0.00
10	43	1999.3	937.7	-0.0	0.00	0.00	0.00
	44	-1999.3	937.7	-0.0	-0.00	0.00	0.00
11	43	-1943.2	1147.3	134.1	0.00	0.00	0.00
	44	1943.2	1147.3	134.1	-0.00	0.00	0.00
12	43	2167.3	1147.3	134.1	0.00	0.00	0.00
	44	-2167.3	1147.3	134.1	-0.00	0.00	0.00
13	43	-2064.5	588.5	-0.0	0.00	0.00	0.00
	44	2064.5	588.5	-0.0	-0.00	0.00	0.00
14	43	2045.9	588.5	-0.0	0.00	0.00	0.00
	44	-2045.9	588.5	-0.0	-0.00	0.00	0.00
15	43	-2233.3	169.4	-100.6	0.00	0.00	0.00
	44	2233.3	169.4	-100.6	-0.00	0.00	0.00
16	43	1877.1	169.4	-100.6	0.00	0.00	0.00
	44	-1877.1	169.4	-100.6	-0.00	0.00	0.00
17	43	-2077.3	588.5	-0.0	0.00	0.00	0.00
	44	2077.3	588.5	-0.0	-0.00	0.00	0.00
18	43	2033.1	588.5	-0.0	0.00	0.00	0.00
	44	-2033.1	588.5	-0.0	-0.00	0.00	0.00
19	43	-3378.0	923.8	80.5	0.00	0.00	0.00
	44	3378.0	923.8	80.5	-0.00	0.00	0.00
20	43	3472.7	923.8	80.5	0.00	0.00	0.00
	44	-3472.7	923.8	80.5	-0.00	0.00	0.00
21	43	-3450.8	588.5	-0.0	0.00	0.00	0.00
	44	3450.8	588.5	-0.0	-0.00	0.00	0.00
22	43	3399.9	588.5	-0.0	0.00	0.00	0.00
	44	-3399.9	588.5	-0.0	-0.00	0.00	0.00
23	43	-3552.1	337.0	-60.4	0.00	0.00	0.00
	44	3552.1	337.0	-60.4	-0.00	0.00	0.00
24	43	3298.6	337.0	-60.4	0.00	0.00	0.00
	44	-3298.6	337.0	-60.4	-0.00	0.00	0.00
25	43	-3458.5	588.5	-0.0	0.00	0.00	0.00
	44	3458.5	588.5	-0.0	-0.00	0.00	0.00
26	43	3392.2	588.5	-0.0	0.00	0.00	0.00
	44	-3392.2	588.5	-0.0	-0.00	0.00	0.00
27	43	-394.9	633.3	-0.0	0.01	0.00	0.00
	44	394.9	633.3	-0.0	-0.01	0.00	0.00
28	43	-237.9	633.3	-0.0	0.01	0.00	0.00
	44	237.9	633.3	-0.0	-0.01	0.00	0.00
29	43	-389.0	633.3	-0.0	0.00	0.00	0.00
	44	389.0	633.3	-0.0	-0.00	0.00	0.00
30	43	34.9	633.3	-0.0	0.00	0.00	0.00
	44	-34.9	633.3	-0.0	-0.00	0.00	0.00
31	43	145.6	633.3	-0.0	0.00	0.00	0.00
	44	-145.6	633.3	-0.0	-0.00	0.00	0.00
32	43	302.6	633.3	-0.0	0.00	0.00	0.00
	44	-302.6	633.3	-0.0	-0.00	0.00	0.00
33	43	134.5	633.3	-0.0	0.00	0.00	0.00
	44	-134.5	633.3	-0.0	-0.00	0.00	0.00
34	43	296.6	633.3	-0.0	0.00	0.00	0.00

	44	-296.6	633.3	-0.0	-0.00	0.00	0.00
35	43	-31.0	400.5	-0.0	0.00	0.00	0.00
	44	31.0	400.5	-0.0	-0.00	0.00	0.00
36	43	48.8	391.2	53.6	0.00	0.00	0.00
	44	-48.8	391.2	53.6	-0.00	0.00	0.00
37	43	0.3	167.7	-0.0	0.00	0.00	0.00
	44	-0.3	167.7	-0.0	-0.00	0.00	0.00
38	43	-67.2	0.0	-40.2	0.00	0.00	0.00
	44	67.2	0.0	-40.2	-0.00	0.00	0.00
39	43	-4.8	167.7	-0.0	0.00	0.00	0.00
	44	4.8	167.7	-0.0	-0.00	0.00	0.00
40	43	-1386.0	167.7	-0.0	0.00	0.00	0.00
	44	1386.0	167.7	-0.0	-0.00	0.00	0.00
41	43	1354.3	167.7	-0.0	0.00	0.00	0.00
	44	-1354.3	167.7	-0.0	-0.00	0.00	0.00
42	43	-46.2	633.3	-0.0	0.00	0.00	0.00
	44	46.2	633.3	-0.0	-0.00	0.00	0.00
43	43	-391.2	633.3	-0.0	0.01	0.00	0.00
	44	391.2	633.3	-0.0	-0.01	0.00	0.00
44	43	-227.2	633.3	-0.0	0.01	0.00	0.00
	44	227.2	633.3	-0.0	-0.01	0.00	0.00
45	43	-398.5	633.3	-0.0	0.00	0.00	0.00
	44	398.5	633.3	-0.0	-0.00	0.00	0.00
46	43	-240.6	633.3	-0.0	0.00	0.00	0.00
	44	240.6	633.3	-0.0	-0.00	0.00	0.00
47	43	134.8	633.3	-0.0	0.00	0.00	0.00
	44	-134.8	633.3	-0.0	-0.00	0.00	0.00
48	43	298.9	633.3	-0.0	0.00	0.00	0.00
	44	-298.9	633.3	-0.0	-0.00	0.00	0.00
49	43	148.3	633.3	-0.0	0.00	0.00	0.00
	44	-148.3	633.3	-0.0	-0.00	0.00	0.00
50	43	306.1	633.3	-0.0	0.00	0.00	0.00
	44	-306.1	633.3	-0.0	-0.00	0.00	0.00
51	43	-297.0	167.7	-0.0	0.00	0.00	0.00
	44	297.0	167.7	-0.0	-0.00	0.00	0.00
52	43	-164.7	167.7	-0.0	0.00	0.00	0.00
	44	164.7	167.7	-0.0	-0.00	0.00	0.00
53	43	-300.8	167.7	-0.0	0.00	0.00	0.00
	44	300.8	167.7	-0.0	-0.00	0.00	0.00
54	43	-171.8	167.7	-0.0	-0.00	0.00	0.00
	44	171.8	167.7	-0.0	0.00	0.00	0.00
55	43	133.0	167.7	-0.0	-0.00	0.00	0.00
	44	-133.0	167.7	-0.0	0.00	0.00	0.00
56	43	265.3	167.7	-0.0	-0.00	0.00	0.00
	44	-265.3	167.7	-0.0	0.00	0.00	0.00
57	43	140.1	167.7	-0.0	0.00	0.00	0.00
	44	-140.1	167.7	-0.0	-0.00	0.00	0.00
58	43	269.1	167.7	-0.0	0.00	0.00	0.00
	44	-269.1	167.7	-0.0	-0.00	0.00	0.00
1	44	-69.0	239.4	0.0	0.00	0.00	0.00
	45	69.0	239.4	0.0	-0.00	0.00	0.00
2	44	-154.8	938.3	0.0	0.00	0.00	0.00
	45	154.8	938.3	0.0	-0.00	0.00	0.00
3	44	-1592.6	1273.8	80.5	0.00	0.00	0.00
	45	1592.6	1273.8	80.5	-0.00	0.00	0.00

	44	-1696.2	938.3	0.0	0.00	0.00	0.00
	45	1696.2	938.3	0.0	-0.00	0.00	0.00
5	44	-1801.2	686.7	-60.4	0.00	0.00	0.00
	45	1801.2	686.7	-60.4	-0.00	0.00	0.00
6	44	-1696.0	938.3	0.0	0.00	0.00	0.00
	45	1696.0	938.3	0.0	-0.00	0.00	0.00
7	44	1517.7	1273.8	80.5	0.00	0.00	0.00
	45	-1517.7	1273.8	80.5	-0.00	0.00	0.00
8	44	1414.2	938.3	0.0	0.00	0.00	0.00
	45	-1414.2	938.3	0.0	-0.00	0.00	0.00
9	44	1309.1	686.7	-60.4	0.00	0.00	0.00
	45	-1309.1	686.7	-60.4	-0.00	0.00	0.00
10	44	1414.4	938.3	0.0	0.00	0.00	0.00
	45	-1414.4	938.3	0.0	-0.00	0.00	0.00
11	44	-1471.5	1148.0	134.2	0.00	0.00	0.00
	45	1471.5	1148.0	134.2	-0.00	0.00	0.00
12	44	1638.9	1148.0	134.2	0.00	0.00	0.00
	45	-1638.9	1148.0	134.2	-0.00	0.00	0.00
13	44	-1644.0	588.9	0.0	0.00	0.00	0.00
	45	1644.0	588.9	0.0	-0.00	0.00	0.00
14	44	1466.3	588.9	0.0	-0.00	0.00	0.00
	45	-1466.3	588.9	0.0	0.00	0.00	0.00
15	44	-1819.2	169.5	-100.6	0.00	0.00	0.00
	45	1819.2	169.5	-100.6	-0.00	0.00	0.00
16	44	1291.2	169.5	-100.6	0.00	0.00	0.00
	45	-1291.2	169.5	-100.6	-0.00	0.00	0.00
17	44	-1643.7	588.9	0.0	0.00	0.00	0.00
	45	1643.7	588.9	0.0	-0.00	0.00	0.00
18	44	1466.7	588.9	0.0	0.00	0.00	0.00
	45	-1466.7	588.9	0.0	-0.00	0.00	0.00
19	44	-2586.5	924.4	80.5	0.00	0.00	0.00
	45	2586.5	924.4	80.5	-0.00	0.00	0.00
20	44	2597.4	924.4	80.5	0.00	0.00	0.00
	45	-2597.4	924.4	80.5	-0.00	0.00	0.00
21	44	-2690.1	588.9	0.0	0.00	0.00	0.00
	45	2690.1	588.9	0.0	-0.00	0.00	0.00
22	44	2493.9	588.9	0.0	-0.00	0.00	0.00
	45	-2493.9	588.9	0.0	0.00	0.00	0.00
23	44	-2795.1	337.2	-60.4	0.00	0.00	0.00
	45	2795.1	337.2	-60.4	-0.00	0.00	0.00
24	44	2388.8	337.2	-60.4	0.00	0.00	0.00
	45	-2388.8	337.2	-60.4	-0.00	0.00	0.00
25	44	-2689.8	588.9	0.0	0.00	0.00	0.00
	45	2689.8	588.9	0.0	-0.00	0.00	0.00
26	44	2494.1	588.9	0.0	0.00	0.00	0.00
	45	-2494.1	588.9	0.0	-0.00	0.00	0.00
27	44	-442.0	633.7	0.0	0.00	0.00	0.00
	45	442.0	633.7	0.0	-0.00	0.00	0.00
28	44	-341.9	633.7	0.0	0.00	0.00	0.00
	45	341.9	633.7	0.0	-0.00	0.00	0.00
29	44	-358.5	633.7	0.0	0.00	0.00	0.00
	45	358.5	633.7	0.0	-0.00	0.00	0.00
30	44	-19.8	633.7	0.0	0.00	0.00	0.00
	45	19.8	633.7	0.0	-0.00	0.00	0.00
31	44	130.4	633.7	0.0	-0.00	0.00	0.00
	45	-130.4	633.7	0.0	0.00	0.00	0.00

	44	230.6	633.7	0.0	-0.00	0.00	0.00
	45	-230.6	633.7	0.0	0.00	0.00	0.00
33	44	-24.7	633.7	0.0	0.00	0.00	0.00
	45	24.7	633.7	0.0	-0.00	0.00	0.00
34	44	147.1	633.7	0.0	0.00	0.00	0.00
	45	-147.1	633.7	0.0	-0.00	0.00	0.00
35	44	-77.1	400.7	0.0	0.00	0.00	0.00
	45	77.1	400.7	0.0	-0.00	0.00	0.00
36	44	29.7	391.4	53.7	0.00	0.00	0.00
	45	-29.7	391.4	53.7	-0.00	0.00	0.00
37	44	-39.3	167.8	0.0	-0.00	0.00	0.00
	45	39.3	167.8	0.0	0.00	0.00	0.00
38	44	-109.3	0.0	-40.3	0.00	0.00	0.00
	45	109.3	0.0	-40.3	-0.00	0.00	0.00
39	44	-39.1	167.8	0.0	0.00	0.00	0.00
	45	39.1	167.8	0.0	-0.00	0.00	0.00
40	44	-1085.3	167.8	0.0	0.00	0.00	0.00
	45	1085.3	167.8	0.0	-0.00	0.00	0.00
41	44	988.3	167.8	0.0	0.00	0.00	0.00
	45	-988.3	167.8	0.0	-0.00	0.00	0.00
42	44	-105.7	633.7	0.0	0.00	0.00	0.00
	45	105.7	633.7	0.0	-0.00	0.00	0.00
43	44	-433.3	633.7	0.0	0.00	0.00	0.00
	45	433.3	633.7	0.0	-0.00	0.00	0.00
44	44	-329.3	633.7	0.0	0.00	0.00	0.00
	45	329.3	633.7	0.0	-0.00	0.00	0.00
45	44	-361.7	633.7	0.0	0.00	0.00	0.00
	45	361.7	633.7	0.0	-0.00	0.00	0.00
46	44	-196.4	633.7	0.0	0.00	0.00	0.00
	45	196.4	633.7	0.0	-0.00	0.00	0.00
47	44	117.8	633.7	0.0	-0.00	0.00	0.00
	45	-117.8	633.7	0.0	0.00	0.00	0.00
48	44	221.8	633.7	0.0	-0.00	0.00	0.00
	45	-221.8	633.7	0.0	0.00	0.00	0.00
49	44	-15.0	633.7	0.0	0.00	0.00	0.00
	45	15.0	633.7	0.0	-0.00	0.00	0.00
50	44	150.3	633.7	0.0	0.00	0.00	0.00
	45	-150.3	633.7	0.0	-0.00	0.00	0.00
51	44	-315.5	167.8	0.0	0.00	0.00	0.00
	45	315.5	167.8	0.0	-0.00	0.00	0.00
52	44	-231.5	167.8	0.0	0.00	0.00	0.00
	45	231.5	167.8	0.0	-0.00	0.00	0.00
53	44	-256.0	167.8	0.0	0.00	0.00	0.00
	45	256.0	167.8	0.0	-0.00	0.00	0.00
54	44	-120.9	167.8	0.0	0.00	0.00	0.00
	45	120.9	167.8	0.0	-0.00	0.00	0.00
55	44	134.5	167.8	0.0	-0.00	0.00	0.00
	45	-134.5	167.8	0.0	0.00	0.00	0.00
56	44	218.5	167.8	0.0	-0.00	0.00	0.00
	45	-218.5	167.8	0.0	0.00	0.00	0.00
57	44	23.9	167.8	0.0	0.00	0.00	0.00
	45	-23.9	167.8	0.0	-0.00	0.00	0.00
58	44	158.9	167.8	0.0	-0.00	0.00	0.00
	45	-158.9	167.8	0.0	0.00	0.00	0.00
1	45	-68.0	239.4	0.0	-0.00	0.00	0.00

	46	68.0	239.4	0.0	0.00	0.00	0.00
2	45	-152.4	938.3	0.0	-0.00	0.00	0.00
	46	152.4	938.3	0.0	0.00	0.00	0.00
3	45	-1135.5	1273.8	80.5	-0.00	0.00	0.00
	46	1135.5	1273.8	80.5	0.00	0.00	0.00
4	45	-1226.6	938.3	0.0	-0.00	0.00	0.00
	46	1226.6	938.3	0.0	0.00	0.00	0.00
5	45	-1297.8	686.7	-60.4	-0.00	0.00	0.00
	46	1297.8	686.7	-60.4	0.00	0.00	0.00
6	45	-1215.8	938.3	0.0	-0.00	0.00	0.00
	46	1215.8	938.3	0.0	0.00	0.00	0.00
7	45	1014.4	1273.8	80.5	-0.00	0.00	0.00
	46	-1014.4	1273.8	80.5	0.00	0.00	0.00
8	45	923.2	938.3	0.0	-0.00	0.00	0.00
	46	-923.2	938.3	0.0	0.00	0.00	0.00
9	45	852.0	686.7	-60.4	-0.00	0.00	0.00
	46	-852.0	686.7	-60.4	0.00	0.00	0.00
10	45	934.0	938.3	0.0	-0.00	0.00	0.00
	46	-934.0	938.3	0.0	0.00	0.00	0.00
11	45	-1032.0	1148.0	134.2	-0.00	0.00	0.00
	46	1032.0	1148.0	134.2	0.00	0.00	0.00
12	45	1117.8	1148.0	134.2	-0.00	0.00	0.00
	46	-1117.8	1148.0	134.2	0.00	0.00	0.00
13	45	-1183.9	588.9	0.0	-0.00	0.00	0.00
	46	1183.9	588.9	0.0	0.00	0.00	0.00
14	45	966.0	588.9	0.0	-0.00	0.00	0.00
	46	-966.0	588.9	0.0	0.00	0.00	0.00
15	45	-1302.6	169.5	-100.6	0.00	0.00	0.00
	46	1302.6	169.5	-100.6	-0.00	0.00	0.00
16	45	847.2	169.5	-100.6	0.00	0.00	0.00
	46	-847.2	169.5	-100.6	-0.00	0.00	0.00
17	45	-1165.9	588.9	0.0	-0.00	0.00	0.00
	46	1165.9	588.9	0.0	0.00	0.00	0.00
18	45	984.0	588.9	0.0	-0.00	0.00	0.00
	46	-984.0	588.9	0.0	0.00	0.00	0.00
19	45	-1809.9	924.4	80.5	-0.00	0.00	0.00
	46	1809.9	924.4	80.5	0.00	0.00	0.00
20	45	1773.2	924.4	80.5	-0.00	0.00	0.00
	46	-1773.2	924.4	80.5	0.00	0.00	0.00
21	45	-1901.0	588.9	0.0	-0.00	0.00	0.00
	46	1901.0	588.9	0.0	0.00	0.00	0.00
22	45	1682.1	588.9	0.0	-0.00	0.00	0.00
	46	-1682.1	588.9	0.0	0.00	0.00	0.00
23	45	-1972.3	337.2	-60.4	-0.00	0.00	0.00
	46	1972.3	337.2	-60.4	0.00	0.00	0.00
24	45	1610.8	337.2	-60.4	0.00	0.00	0.00
	46	-1610.8	337.2	-60.4	-0.00	0.00	0.00
25	45	-1890.2	588.9	0.0	-0.00	0.00	0.00
	46	1890.2	588.9	0.0	0.00	0.00	0.00
26	45	1692.9	588.9	0.0	-0.00	0.00	0.00
	46	-1692.9	588.9	0.0	0.00	0.00	0.00
27	45	-341.8	633.7	0.0	0.00	0.00	0.00
	46	341.8	633.7	0.0	-0.00	0.00	0.00
28	45	-299.8	633.7	0.0	0.00	0.00	0.00
	46	299.8	633.7	0.0	-0.00	0.00	0.00
29	45	-240.0	633.7	0.0	-0.00	0.00	0.00

	46	240.0	633.7	0.0	0.00	0.00	0.00
30	45	-41.0	633.7	0.0	-0.00	0.00	0.00
	46	41.0	633.7	0.0	0.00	0.00	0.00
31	45	88.8	633.7	0.0	-0.00	0.00	0.00
	46	-88.8	633.7	0.0	0.00	0.00	0.00
32	45	130.7	633.7	0.0	-0.00	0.00	0.00
	46	-130.7	633.7	0.0	0.00	0.00	0.00
33	45	-100.3	633.7	0.0	-0.00	0.00	0.00
	46	100.3	633.7	0.0	0.00	0.00	0.00
34	45	28.9	633.7	0.0	-0.00	0.00	0.00
	46	-28.9	633.7	0.0	0.00	0.00	0.00
35	45	-77.4	400.7	0.0	-0.00	0.00	0.00
	46	77.4	400.7	0.0	0.00	0.00	0.00
36	45	12.0	391.4	53.7	-0.00	0.00	0.00
	46	-12.0	391.4	53.7	0.00	0.00	0.00
37	45	-48.8	167.8	0.0	-0.00	0.00	0.00
	46	48.8	167.8	0.0	0.00	0.00	0.00
38	45	-96.3	0.0	-40.3	0.00	0.00	0.00
	46	96.3	0.0	-40.3	-0.00	0.00	0.00
39	45	-41.6	167.8	0.0	-0.00	0.00	0.00
	46	41.6	167.8	0.0	0.00	0.00	0.00
40	45	-765.9	167.8	0.0	-0.00	0.00	0.00
	46	765.9	167.8	0.0	0.00	0.00	0.00
41	45	667.3	167.8	0.0	0.00	0.00	0.00
	46	-667.3	167.8	0.0	-0.00	0.00	0.00
42	45	-105.5	633.7	0.0	-0.00	0.00	0.00
	46	105.5	633.7	0.0	0.00	0.00	0.00
43	45	-332.3	633.7	0.0	0.00	0.00	0.00
	46	332.3	633.7	0.0	-0.00	0.00	0.00
44	45	-290.1	633.7	0.0	0.00	0.00	0.00
	46	290.1	633.7	0.0	-0.00	0.00	0.00
45	45	-237.6	633.7	0.0	-0.00	0.00	0.00
	46	237.6	633.7	0.0	0.00	0.00	0.00
46	45	-114.2	633.7	0.0	-0.00	0.00	0.00
	46	114.2	633.7	0.0	0.00	0.00	0.00
47	45	79.0	633.7	0.0	-0.00	0.00	0.00
	46	-79.0	633.7	0.0	0.00	0.00	0.00
48	45	121.2	633.7	0.0	-0.00	0.00	0.00
	46	-121.2	633.7	0.0	0.00	0.00	0.00
49	45	-96.9	633.7	0.0	-0.00	0.00	0.00
	46	96.9	633.7	0.0	0.00	0.00	0.00
50	45	26.5	633.7	0.0	-0.00	0.00	0.00
	46	-26.5	633.7	0.0	0.00	0.00	0.00
51	45	-234.1	167.8	0.0	0.00	0.00	0.00
	46	234.1	167.8	0.0	-0.00	0.00	0.00
52	45	-199.9	167.8	0.0	0.00	0.00	0.00
	46	199.9	167.8	0.0	-0.00	0.00	0.00
53	45	-156.6	167.8	0.0	0.00	0.00	0.00
	46	156.6	167.8	0.0	-0.00	0.00	0.00
54	45	-56.0	167.8	0.0	0.00	0.00	0.00
	46	56.0	167.8	0.0	-0.00	0.00	0.00
55	45	101.4	167.8	0.0	-0.00	0.00	0.00
	46	-101.4	167.8	0.0	0.00	0.00	0.00
56	45	135.6	167.8	0.0	-0.00	0.00	0.00
	46	-135.6	167.8	0.0	0.00	0.00	0.00
57	45	-42.6	167.8	0.0	-0.00	0.00	0.00

	46	42.6	167.8	0.0	0.00	0.00	0.00
58	45	58.1	167.8	0.0	-0.00	0.00	0.00
	46	-58.1	167.8	0.0	0.00	0.00	0.00
1	46	-21.0	239.2	0.0	0.00	0.00	0.00
	47	21.0	239.2	0.0	-0.00	0.00	0.00
2	46	-53.5	937.7	-0.0	0.01	0.00	0.00
	47	53.5	937.7	-0.0	-0.01	0.00	0.00
3	46	-620.9	1273.0	80.5	0.02	0.00	0.00
	47	620.9	1273.0	80.5	-0.02	0.00	0.00
4	46	-658.9	937.7	-0.0	0.01	0.00	0.00
	47	658.9	937.7	-0.0	-0.01	0.00	0.00
5	46	-673.0	686.3	-60.4	0.01	0.00	0.00
	47	673.0	686.3	-60.4	-0.01	0.00	0.00
6	46	-641.4	937.7	-0.0	0.01	0.00	0.00
	47	641.4	937.7	-0.0	-0.01	0.00	0.00
7	46	573.1	1273.0	80.5	0.02	0.00	0.00
	47	-573.1	1273.0	80.5	-0.02	0.00	0.00
8	46	535.2	937.7	-0.0	0.01	0.00	0.00
	47	-535.2	937.7	-0.0	-0.01	0.00	0.00
9	46	521.1	686.3	-60.4	0.01	0.00	0.00
	47	-521.1	686.3	-60.4	-0.01	0.00	0.00
10	46	552.6	937.7	-0.0	0.01	0.00	0.00
	47	-552.6	937.7	-0.0	-0.01	0.00	0.00
11	46	-584.9	1147.3	134.1	0.02	0.00	0.00
	47	584.9	1147.3	134.1	-0.02	0.00	0.00
12	46	609.1	1147.3	134.1	0.02	0.00	0.00
	47	-609.1	1147.3	134.1	-0.02	0.00	0.00
13	46	-648.2	588.5	-0.0	0.01	0.00	0.00
	47	648.2	588.5	-0.0	-0.01	0.00	0.00
14	46	545.9	588.5	-0.0	0.01	0.00	0.00
	47	-545.9	588.5	-0.0	-0.01	0.00	0.00
15	46	-671.7	169.4	-100.6	0.00	0.00	0.00
	47	671.7	169.4	-100.6	-0.00	0.00	0.00
16	46	522.3	169.4	-100.6	0.00	0.00	0.00
	47	-522.3	169.4	-100.6	-0.00	0.00	0.00
17	46	-619.1	588.5	-0.0	0.01	0.00	0.00
	47	619.1	588.5	-0.0	-0.01	0.00	0.00
18	46	575.0	588.5	-0.0	0.01	0.00	0.00
	47	-575.0	588.5	-0.0	-0.01	0.00	0.00
19	46	-1002.7	923.8	80.5	0.01	0.00	0.00
	47	1002.7	923.8	80.5	-0.01	0.00	0.00
20	46	987.4	923.8	80.5	0.02	0.00	0.00
	47	-987.4	923.8	80.5	-0.02	0.00	0.00
21	46	-1040.6	588.5	-0.0	0.01	0.00	0.00
	47	1040.6	588.5	-0.0	-0.01	0.00	0.00
22	46	949.5	588.5	-0.0	0.01	0.00	0.00
	47	-949.5	588.5	-0.0	-0.01	0.00	0.00
23	46	-1054.8	337.0	-60.4	0.00	0.00	0.00
	47	1054.8	337.0	-60.4	-0.00	0.00	0.00
24	46	935.3	337.0	-60.4	0.01	0.00	0.00
	47	-935.3	337.0	-60.4	-0.01	0.00	0.00
25	46	-1023.2	588.5	-0.0	0.01	0.00	0.00
	47	1023.2	588.5	-0.0	-0.01	0.00	0.00
26	46	966.9	588.5	-0.0	0.01	0.00	0.00
	47	-966.9	588.5	-0.0	-0.01	0.00	0.00

	46	-98.5	633.3	-0.0	0.01	0.00	0.00
	47	98.5	633.3	-0.0	-0.01	0.00	0.00
28	46	-122.7	633.3	-0.0	0.01	0.00	0.00
	47	122.7	633.3	-0.0	-0.01	0.00	0.00
29	46	-18.8	633.3	-0.0	0.01	0.00	0.00
	47	18.8	633.3	-0.0	-0.01	0.00	0.00
30	46	-15.0	633.3	-0.0	0.01	0.00	0.00
	47	15.0	633.3	-0.0	-0.01	0.00	0.00
31	46	48.5	633.3	-0.0	0.01	0.00	0.00
	47	-48.5	633.3	-0.0	-0.01	0.00	0.00
32	46	24.3	633.3	-0.0	0.01	0.00	0.00
	47	-24.3	633.3	-0.0	-0.01	0.00	0.00
33	46	-99.5	633.3	-0.0	0.01	0.00	0.00
	47	99.5	633.3	-0.0	-0.01	0.00	0.00
34	46	-55.4	633.3	-0.0	0.01	0.00	0.00
	47	55.4	633.3	-0.0	-0.01	0.00	0.00
35	46	-26.2	400.5	-0.0	0.01	0.00	0.00
	47	26.2	400.5	-0.0	-0.01	0.00	0.00
36	46	4.4	391.2	53.6	0.01	0.00	0.00
	47	-4.4	391.2	53.6	-0.01	0.00	0.00
37	46	-21.0	167.7	0.0	0.00	0.00	0.00
	47	21.0	167.7	0.0	-0.00	0.00	0.00
38	46	-30.4	0.0	-40.2	0.00	0.00	0.00
	47	30.4	0.0	-40.2	-0.00	0.00	0.00
39	46	-9.3	167.7	0.0	0.00	0.00	0.00
	47	9.3	167.7	0.0	-0.00	0.00	0.00
40	46	-413.4	167.7	0.0	0.00	0.00	0.00
	47	413.4	167.7	0.0	-0.00	0.00	0.00
41	46	382.6	167.7	0.0	0.00	0.00	0.00
	47	-382.6	167.7	0.0	-0.00	0.00	0.00
42	46	-37.1	633.3	-0.0	0.01	0.00	0.00
	47	37.1	633.3	-0.0	-0.01	0.00	0.00
43	46	-94.9	633.3	-0.0	0.01	0.00	0.00
	47	94.9	633.3	-0.0	-0.01	0.00	0.00
44	46	-119.9	633.3	-0.0	0.01	0.00	0.00
	47	119.9	633.3	-0.0	-0.01	0.00	0.00
45	46	-16.6	633.3	-0.0	0.01	0.00	0.00
	47	16.6	633.3	-0.0	-0.01	0.00	0.00
46	46	25.6	633.3	-0.0	0.01	0.00	0.00
	47	-25.6	633.3	-0.0	-0.01	0.00	0.00
47	46	45.7	633.3	-0.0	0.01	0.00	0.00
	47	-45.7	633.3	-0.0	-0.01	0.00	0.00
48	46	20.8	633.3	-0.0	0.01	0.00	0.00
	47	-20.8	633.3	-0.0	-0.01	0.00	0.00
49	46	-99.8	633.3	-0.0	0.01	0.00	0.00
	47	99.8	633.3	-0.0	-0.01	0.00	0.00
50	46	-57.6	633.3	-0.0	0.01	0.00	0.00
	47	57.6	633.3	-0.0	-0.01	0.00	0.00
51	46	-62.5	167.7	0.0	0.00	0.00	0.00
	47	62.5	167.7	0.0	-0.00	0.00	0.00
52	46	-82.5	167.7	0.0	0.00	0.00	0.00
	47	82.5	167.7	0.0	-0.00	0.00	0.00
53	46	0.9	167.7	0.0	0.00	0.00	0.00
	47	-0.9	167.7	0.0	-0.00	0.00	0.00
54	46	35.1	167.7	0.0	0.00	0.00	0.00
	47	-35.1	167.7	0.0	-0.00	0.00	0.00

	46	51.8	167.7	0.0	0.00	0.00	0.00
	47	-51.8	167.7	0.0	-0.00	0.00	0.00
56	46	31.7	167.7	0.0	0.00	0.00	0.00
	47	-31.7	167.7	0.0	-0.00	0.00	0.00
57	46	-65.9	167.7	0.0	0.00	0.00	0.00
	47	65.9	167.7	0.0	-0.00	0.00	0.00
58	46	-31.6	167.7	0.0	0.00	0.00	0.00
	47	31.6	167.7	0.0	-0.00	0.00	0.00
1	49	3490.1	14288.7	-511.7	0.64	0.81	15.93
	59	-3490.1	-8482.6	511.7	-0.64	-0.02	1.91
2	49	6304.2	25606.5	-869.7	2.74	1.30	28.91
	59	-6304.2	-16606.0	869.7	-2.74	0.06	4.32
3	49	41920.1	29891.4	4056.8	3.63	-2.87	34.59
	59	-41920.1	-19357.6	-3590.9	-3.63	-3.13	4.23
4	49	36481.2	25226.7	2693.4	2.72	-1.78	31.13
	59	-36481.2	-16226.2	-2693.4	-2.72	-2.42	1.50
5	49	37793.1	20943.0	985.5	1.56	0.87	25.27
	59	-37793.1	-13092.4	-1319.7	-1.56	-2.65	1.49
6	49	42582.9	24303.5	2145.1	2.33	-0.28	27.47
	59	-42582.9	-15303.0	-2145.1	-2.33	-3.07	3.72
7	49	-24624.5	31567.2	-2293.1	4.20	1.23	33.91
	59	24624.5	-21033.4	2758.9	-4.20	2.69	7.54
8	49	-30063.4	26902.5	-3656.4	3.28	2.32	30.45
	59	30063.4	-17902.0	3656.4	-3.28	3.39	4.80
9	49	-28751.5	22618.8	-5364.3	2.13	4.97	24.59
	59	28751.5	-14768.3	5030.1	-2.13	3.17	4.80
10	49	-23961.6	25979.4	-4204.7	2.90	3.82	26.79
	59	23961.6	-16978.9	4204.7	-2.90	2.75	7.02
11	49	42075.5	27647.7	5403.4	3.37	-4.53	31.67
	59	-42075.5	-17688.8	-4627.1	-3.37	-3.35	4.07
12	49	-24469.0	29323.5	-946.4	3.93	-0.43	30.98
	59	24469.0	-19364.7	1722.8	-3.93	2.47	7.37
13	49	33010.6	19873.2	3131.2	1.84	-2.72	25.90
	59	-33010.6	-12469.8	-3131.2	-1.84	-2.18	-0.49
14	49	-33533.9	21549.0	-3218.7	2.41	1.38	25.22
	59	33533.9	-14145.7	3218.7	-2.41	3.64	2.82
15	49	35197.1	12733.7	284.7	-0.08	1.70	16.13
	59	-35197.1	-7247.0	-841.7	0.08	-2.55	-0.50
16	49	-31347.5	14409.5	-6065.1	0.49	5.80	15.45
	59	31347.5	-8922.8	5508.2	-0.49	3.27	2.80
17	49	43180.2	18334.6	2217.3	1.21	-0.22	19.80
	59	-43180.2	-10931.3	-2217.3	-1.21	-3.25	3.21
18	49	-23364.3	20010.5	-4132.5	1.77	3.88	19.11
	59	23364.3	-12607.2	4132.5	-1.77	2.57	6.52
19	49	62694.6	23673.9	6352.3	2.40	-4.48	28.33
	59	-62694.6	-14737.2	-5886.5	-2.40	-5.10	1.92
20	49	-48213.0	26466.9	-4230.7	3.34	2.35	27.19
	59	48213.0	-17530.3	4696.5	-3.34	4.59	7.43
21	49	57255.7	19009.2	4989.0	1.48	-3.39	24.87
	59	-57255.7	-11605.8	-4989.0	-1.48	-4.40	-0.81
22	49	-53651.9	21802.3	-5594.1	2.42	3.44	23.73
	59	53651.9	-14398.9	5594.1	-2.42	5.30	4.70
23	49	58567.5	14725.5	3281.1	0.33	-0.74	19.01
	59	-58567.5	-8472.1	-3615.3	-0.33	-4.62	-0.82
24	49	-52340.1	17518.6	-7301.9	1.27	6.09	17.87

	59	52340.1	-11265.2	6967.8	-1.27	5.07	4.69
25	49	63357.4	18086.0	4440.7	1.10	-1.89	21.21
	59	-63357.4	-10682.7	-4440.7	-1.10	-5.04	1.41
26	49	-47550.2	20879.1	-6142.4	2.04	4.94	20.07
	59	47550.2	-13475.8	6142.4	-2.04	4.65	6.92
27	49	4789.7	18456.1	-2649.3	1.40	3.03	20.97
	59	-4789.7	-11935.0	2649.3	-1.40	1.34	2.86
28	49	7613.2	19880.7	-3564.2	1.53	4.44	25.86
	59	-7613.2	-13359.7	3564.2	-1.53	1.80	0.19
29	49	236.4	16162.5	169.9	1.52	-0.61	13.29
	59	-236.4	-9641.5	-169.9	-1.52	-0.26	7.03
30	49	3862.7	17995.7	146.5	1.97	0.04	19.74
	59	-3862.7	-11474.6	-146.5	-1.97	-0.41	3.48
31	49	1191.7	16651.9	2355.7	2.17	-2.65	15.31
	59	-1191.7	-10130.8	-2355.7	-2.17	-1.70	5.87
32	49	4015.1	18076.5	1440.7	2.30	-1.24	20.20
	59	-4015.1	-11555.5	-1440.7	-2.30	-1.24	3.20
33	49	9647.9	20911.3	-2879.9	1.95	4.10	29.58
	59	-9647.9	-14390.3	2879.9	-1.95	1.28	-1.87
34	49	8568.5	20370.1	-1378.5	2.18	2.40	27.88
	59	-8568.5	-13849.1	1378.5	-2.18	0.36	-0.97
35	49	3464.4	14493.7	-485.0	1.15	0.73	16.26
	59	-3464.4	-9037.5	485.0	-1.15	0.03	2.22
36	49	4088.8	14136.3	802.0	1.24	-0.85	15.49
	59	-4088.8	-8722.7	-491.5	-1.24	-0.18	2.46
37	49	462.9	11026.5	-106.9	0.63	-0.12	13.19
	59	-462.9	-6635.1	106.9	-0.63	0.29	0.64
38	49	1337.5	8170.7	-1245.5	-0.14	1.64	9.28
	59	-1337.5	-4545.9	1022.7	0.14	0.14	0.63
39	49	4530.7	10411.1	-472.4	0.38	0.88	10.75
	59	-4530.7	-6019.6	472.4	-0.38	-0.14	2.12
40	49	24707.9	10162.5	1751.0	0.27	-0.80	12.16
	59	-24707.9	-5771.0	-1751.0	-0.27	-1.94	0.32
41	49	-19655.1	11279.7	-2482.3	0.65	1.93	11.70
	59	19655.1	-6888.3	2482.3	-0.65	1.94	2.52
42	49	4402.4	18266.3	-604.3	1.85	0.89	20.58
	59	-4402.4	-11745.3	604.3	-1.85	0.05	3.03
43	49	4777.0	18464.1	-2675.3	1.42	2.98	20.99
	59	-4777.0	-11943.1	2675.3	-1.42	1.40	2.85
44	49	7722.4	19950.9	-3633.0	1.55	4.45	26.08
	59	-7722.4	-13429.8	3633.0	-1.55	1.85	0.08
45	49	47.6	16070.7	226.9	1.52	-0.71	12.99
	59	-47.6	-9549.7	-226.9	-1.52	-0.22	7.18
46	49	-1060.7	15506.0	1756.9	1.74	-2.41	11.22
	59	1060.7	-8985.0	-1756.9	-1.74	-1.17	8.11
47	49	1082.5	16581.7	2424.4	2.16	-2.67	15.09
	59	-1082.5	-10060.7	-2424.4	-2.16	-1.75	5.98
48	49	4027.9	18068.5	1466.7	2.29	-1.20	20.18
	59	-4027.9	-11547.5	-1466.7	-2.29	-1.30	3.21
49	49	9865.6	21026.6	-2965.4	1.96	4.19	29.95
	59	-9865.6	-14505.6	2965.4	-1.96	1.27	-2.06
50	49	8757.2	20461.9	-1435.5	2.19	2.50	28.18
	59	-8757.2	-13940.9	1435.5	-2.19	0.33	-1.12
51	49	2830.3	10876.0	-2048.2	0.10	2.26	12.25
	59	-2830.3	-6484.5	2048.2	-0.10	1.10	1.27
52	49	5198.8	12071.3	-2812.7	0.21	3.44	16.35

	59	-5198.8	-7679.9	2812.7	-0.21	1.47	-0.96
53	49	-974.8	8954.6	289.1	0.19	-0.71	5.82
	59	974.8	-4563.2	-289.1	-0.19	-0.22	4.76
54	49	-1867.7	8503.1	1527.9	0.37	-2.08	4.40
	59	1867.7	-4111.6	-1527.9	-0.37	-0.99	5.51
55	49	-146.1	9370.9	2081.4	0.71	-2.31	7.52
	59	146.1	-4979.4	-2081.4	-0.71	-1.46	3.79
56	49	2222.5	10566.2	1316.9	0.81	-1.13	11.61
	59	-2222.5	-6174.8	-1316.9	-0.81	-1.09	1.56
57	49	6920.5	12939.1	-2259.2	0.54	3.22	19.46
	59	-6920.5	-8547.7	2259.2	-0.54	1.00	-2.68
58	49	6027.6	12487.6	-1020.4	0.73	1.85	18.04
	59	-6027.6	-8096.2	1020.4	-0.73	0.23	-1.92
1	59	3449.8	7219.6	-91.4	-0.29	0.09	-1.89
	60	-3449.8	-1276.5	91.4	0.29	0.06	8.53
2	59	6236.6	12992.1	-141.1	-0.55	0.07	-4.30
	60	-6236.6	-3268.5	141.1	0.55	0.15	17.00
3	59	41882.5	16002.7	-1242.0	-0.71	3.22	-4.23
	60	-41882.5	-4464.4	1773.1	0.71	-0.86	20.21
4	59	36433.8	13925.2	-1852.0	-0.51	2.53	-1.49
	60	-36433.8	-4201.6	1852.0	0.51	0.36	15.64
5	59	37719.7	11529.9	-2804.0	-0.84	2.82	-1.46
	60	-37719.7	-3167.3	2420.9	0.84	1.26	12.94
6	59	42523.8	12975.9	-2258.9	-0.88	3.21	-3.70
	60	-42523.8	-3252.3	2258.9	0.88	0.32	16.37
7	59	-24681.7	15102.9	2747.9	-0.25	-2.62	-7.54
	60	24681.7	-3564.6	-2216.8	0.25	-1.26	22.11
8	59	-30130.4	13025.4	2137.9	-0.05	-3.31	-4.80
	60	30130.4	-3301.8	-2137.9	0.05	-0.03	17.55
9	59	-28844.5	10630.1	1185.9	-0.38	-3.02	-4.77
	60	28844.5	-2267.5	-1569.0	0.38	0.87	14.84
10	59	-24040.4	12076.1	1731.0	-0.42	-2.63	-7.01
	60	24040.4	-2352.5	-1731.0	0.42	-0.07	18.27
11	59	42065.0	14823.6	-621.1	-0.54	3.38	-4.07
	60	-42065.0	-3965.8	1506.3	0.54	-1.71	18.74
12	59	-24499.2	13923.8	3368.8	-0.08	-2.46	-7.38
	60	24499.2	-3066.0	-2483.6	0.08	-2.11	20.65
13	59	32983.8	11361.2	-1637.8	-0.21	2.24	0.49
	60	-32983.8	-3527.8	1637.8	0.21	0.32	11.14
14	59	-33580.4	10461.4	2352.1	0.25	-3.60	-2.82
	60	33580.4	-2628.0	-2352.1	-0.25	-0.08	13.04
15	59	35127.0	7368.9	-3224.5	-0.75	2.72	0.54
	60	-35127.0	-1803.9	2585.9	0.75	1.82	6.63
16	59	-31437.2	6469.1	765.4	-0.29	-3.12	-2.77
	60	31437.2	-904.1	-1403.9	0.29	1.43	8.53
17	59	43133.8	9778.9	-2316.0	-0.82	3.36	-3.19
	60	-43133.8	-1945.5	2316.0	0.82	0.26	12.35
18	59	-23430.4	8879.1	1673.9	-0.36	-2.48	-6.50
	60	23430.4	-1045.7	-1673.9	0.36	-0.14	14.25
19	59	62677.2	13416.4	-2547.1	-0.73	5.17	-1.92
	60	-62677.2	-3768.4	3078.2	0.73	-0.78	15.34
20	59	-48263.1	11916.7	4102.7	0.03	-4.56	-7.43
	60	48263.1	-2268.7	-3571.6	-0.03	-1.44	18.51
21	59	57228.5	11338.9	-3157.1	-0.54	4.49	0.82
	60	-57228.5	-3505.6	3157.1	0.54	0.44	10.77

	59	-53711.8	9839.3	3492.7	0.23	-5.24	-4.69
	60	53711.8	-2005.9	-3492.7	-0.23	-0.22	13.95
23	59	58514.4	8943.6	-4109.1	-0.86	4.78	0.85
	60	-58514.4	-2471.2	3726.0	0.86	1.35	8.07
24	59	-52425.9	7443.9	2540.7	-0.10	-4.96	-4.67
	60	52425.9	-971.6	-2923.8	0.10	0.69	11.24
25	59	63318.5	10389.6	-3564.0	-0.90	5.16	-1.39
	60	-63318.5	-2556.2	3564.0	0.90	0.41	11.50
26	59	-47621.9	8889.9	3085.8	-0.14	-4.57	-6.90
	60	47621.9	-1056.5	-3085.8	0.14	-0.25	14.67
27	59	1699.6	9366.6	-908.9	-0.94	-1.22	-2.84
	60	-1699.6	-2363.2	908.9	0.94	1.80	12.74
28	59	3972.1	10674.6	-770.2	-0.83	-1.71	-0.15
	60	-3972.1	-3671.2	770.2	0.83	2.29	12.09
29	59	111.7	7308.9	-545.1	-0.73	0.40	-7.04
	60	-111.7	-305.5	545.1	0.73	-0.13	13.21
30	59	4810.4	9033.1	136.7	-0.23	0.48	-3.47
	60	-4810.4	-2029.7	-136.7	0.23	-0.48	11.89
31	59	4737.4	7847.4	593.0	0.07	1.78	-5.88
	60	-4737.4	-844.0	-593.0	-0.07	-2.08	11.93
32	59	7009.9	9155.4	731.8	0.18	1.29	-3.19
	60	-7009.9	-2152.0	-731.8	-0.18	-1.59	11.28
33	59	7686.5	11668.9	-82.7	-0.34	-1.23	1.92
	60	-7686.5	-4665.5	82.7	0.34	1.50	11.05
34	59	8597.9	11213.1	367.9	-0.03	-0.33	1.01
	60	-8597.9	-4209.7	-367.9	0.03	0.34	10.81
35	59	3425.8	7336.9	-72.0	-0.30	0.04	-2.21
	60	-3425.8	-1593.6	72.0	0.30	0.07	9.19
36	59	4072.8	7119.8	540.6	-0.17	0.20	-2.46
	60	-4072.8	-1427.0	-186.5	0.17	-0.77	9.13
37	59	440.3	5734.9	133.9	-0.04	-0.25	-0.63
	60	-440.3	-1251.8	-133.9	0.04	0.05	6.09
38	59	1297.5	4138.0	-500.7	-0.25	-0.06	-0.62
	60	-1297.5	-562.2	245.3	0.25	0.65	4.29
39	59	4500.3	5101.9	-137.3	-0.28	0.20	-2.11
	60	-4500.3	-618.9	137.3	0.28	0.02	6.58
40	59	24685.0	5712.6	-1385.4	-0.36	2.00	-0.31
	60	-24685.0	-1229.6	1385.4	0.36	0.17	5.73
41	59	-19691.2	5112.8	1274.5	-0.06	-1.90	-2.51
	60	19691.2	-629.7	-1274.5	0.06	-0.09	7.00
42	59	4354.8	9261.0	-88.6	-0.38	0.04	-3.02
	60	-4354.8	-2257.6	88.6	0.38	0.10	12.01
43	59	4721.5	9368.5	-732.9	-0.93	-1.27	-2.83
	60	-4721.5	-2365.1	732.9	0.93	1.83	12.75
44	59	7088.6	10727.9	-860.2	-0.81	-1.75	-0.04
	60	-7088.6	-3724.5	860.2	0.81	2.30	12.09
45	59	874.7	7231.4	-88.9	-0.72	0.37	-7.19
	60	-874.7	-228.0	88.9	0.72	-0.10	13.25
46	59	-55.5	6759.1	335.9	-0.43	1.30	-8.14
	60	55.5	244.3	-335.9	0.43	-1.28	13.00
47	59	1620.9	7794.1	683.0	0.05	1.82	-5.99
	60	-1620.9	-790.7	-683.0	-0.05	-2.10	11.93
48	59	3988.0	9153.6	555.8	0.17	1.34	-3.20
	60	-3988.0	-2150.2	-555.8	-0.17	-1.62	11.27
49	59	8765.0	11762.9	-513.0	-0.33	-1.23	2.11
	60	-8765.0	-4759.5	513.0	0.33	1.48	11.02

	59	7834.8	11290.6	-88.3	-0.04	-0.30	1.16
	60	-7834.8	-4287.2	88.3	0.04	0.31	10.77
51	59	296.7	5499.0	-580.8	-0.66	-1.01	-1.26
	60	-296.7	-1016.0	580.8	0.66	1.44	6.97
52	59	2199.8	6593.6	-684.4	-0.56	-1.41	0.99
	60	-2199.8	-2110.5	684.4	0.56	1.83	6.43
53	59	-1049.6	3778.5	-55.9	-0.49	0.32	-4.77
	60	1049.6	704.6	55.9	0.49	-0.13	7.36
54	59	-300.4	3398.3	290.4	-0.25	1.08	-5.54
	60	300.4	1084.7	-290.4	0.25	-1.09	7.16
55	59	2794.0	4231.8	573.5	0.14	1.50	-3.80
	60	-2794.0	251.3	-573.5	-0.14	-1.76	6.30
56	59	4697.1	5326.4	469.9	0.24	1.11	-1.56
	60	-4697.1	-843.3	-469.9	-0.24	-1.37	5.76
57	59	5294.1	7427.1	-401.3	-0.17	-0.98	2.72
	60	-5294.1	-2944.0	401.3	0.17	1.17	5.57
58	59	6043.3	7046.9	-55.0	0.07	-0.23	1.96
	60	-6043.3	-2563.8	55.0	-0.07	0.21	5.37
1	60	3449.4	-783.2	-76.7	-0.36	0.01	-8.51
	61	-3449.4	6718.9	76.7	0.36	0.11	2.65
2	60	6212.3	-2637.4	-9.0	-1.02	-0.09	-16.98
	61	-6212.3	12318.4	9.0	1.02	0.11	5.29
3	60	41882.1	-3857.7	730.1	-1.33	1.10	-20.14
	61	-41882.1	15336.5	-197.4	1.33	-1.83	5.14
4	60	36423.2	-2330.8	1166.0	-0.99	-0.16	-15.59
	61	-36423.2	12011.9	-1166.0	0.99	-1.67	4.38
5	60	37771.2	-2051.4	976.5	-1.29	-0.90	-12.85
	61	-37771.2	10384.1	-1360.9	1.29	-0.93	3.13
6	60	42567.9	-3289.2	734.3	-1.39	0.02	-16.28
	61	-42567.9	12970.2	-734.3	1.39	-1.17	3.57
7	60	-24787.8	-3478.4	-1029.9	-0.79	0.99	-22.17
	61	24787.8	14957.2	1562.7	0.79	1.03	7.76
8	60	-30246.7	-1951.5	-594.1	-0.45	-0.26	-17.61
	61	30246.7	11632.5	594.1	0.45	1.19	7.00
9	60	-28898.7	-1672.1	-783.6	-0.74	-1.01	-14.87
	61	28898.7	10004.8	399.2	0.74	1.93	5.75
10	60	-24102.0	-2909.8	-1025.7	-0.85	-0.09	-18.31
	61	24102.0	12590.9	1025.7	0.85	1.69	6.19
11	60	42057.2	-3617.7	602.4	-1.02	1.91	-18.69
	61	-42057.2	14422.3	285.6	1.02	-2.16	4.59
12	60	-24612.7	-3238.4	-1157.7	-0.48	1.81	-20.71
	61	24612.7	14043.0	2045.6	0.48	0.70	7.21
13	60	32959.0	-1072.9	1328.8	-0.46	-0.18	-11.10
	61	-32959.0	8881.2	-1328.8	0.46	-1.89	3.32
14	60	-33710.8	-693.6	-431.2	0.09	-0.29	-13.12
	61	33710.8	8501.9	431.2	-0.09	0.96	5.94
15	60	35205.6	-607.1	1013.0	-0.95	-1.42	-6.53
	61	-35205.6	6168.3	-1653.6	0.95	-0.67	1.23
16	60	-31464.3	-227.8	-747.1	-0.40	-1.53	-8.55
	61	31464.3	5788.9	106.4	0.40	2.19	3.85
17	60	43200.2	-2670.1	609.4	-1.13	0.11	-12.25
	61	-43200.2	10478.4	-609.4	1.13	-1.07	1.98
18	60	-23469.7	-2290.8	-1150.7	-0.58	0.01	-14.28
	61	23469.7	10099.1	1150.7	0.58	1.79	4.60
19	60	62723.9	-3057.1	1283.0	-1.18	1.19	-15.23

	61	-62723.9	12663.2	-750.2	1.18	-2.78	2.95
20	60	-48392.6	-2424.9	-1650.5	-0.27	1.01	-18.61
	61	48392.6	12031.0	2183.2	0.27	1.99	7.31
21	60	57265.0	-1530.2	1718.8	-0.84	-0.07	-10.68
	61	-57265.0	9338.5	-1718.8	0.84	-2.62	2.18
22	60	-53851.4	-898.0	-1214.6	0.07	-0.25	-14.05
	61	53851.4	8706.3	1214.6	-0.07	2.15	6.55
23	60	58613.0	-1250.7	1529.3	-1.13	-0.81	-7.94
	61	-58613.0	7710.7	-1913.7	1.13	-1.88	0.93
24	60	-52503.5	-618.5	-1404.1	-0.23	-0.99	-11.31
	61	52503.5	7078.5	1019.7	0.23	2.88	5.30
25	60	63409.7	-2488.5	1287.2	-1.24	0.11	-11.37
	61	-63409.7	10296.8	-1287.2	1.24	-2.12	1.38
26	60	-47706.8	-1856.3	-1646.3	-0.33	-0.07	-14.75
	61	47706.8	9664.6	1646.3	0.33	2.64	5.74
27	60	2243.3	-1689.2	1210.7	-1.47	-1.85	-12.76
	61	-2243.3	8664.3	-1210.7	1.47	0.99	3.87
28	60	3992.6	-297.9	1659.1	-1.34	-2.46	-12.09
	61	-3992.6	7272.9	-1659.1	1.34	0.79	5.37
29	60	1055.9	-3879.2	-317.9	-1.13	0.34	-13.26
	61	-1055.9	10854.2	317.9	1.13	0.65	1.50
30	60	4702.9	-2045.9	-432.5	-0.49	0.56	-11.87
	61	-4702.9	9020.9	432.5	0.49	-0.18	3.46
31	60	4681.6	-3308.2	-1662.3	-0.06	2.34	-11.91
	61	-4681.6	10283.2	1662.3	0.06	-0.66	2.09
32	60	6430.9	-1916.8	-1213.9	0.07	1.72	-11.23
	61	-6430.9	8891.9	1213.9	-0.07	-0.86	3.59
33	60	6886.8	758.8	1176.6	-0.69	-1.72	-10.99
	61	-6886.8	6216.3	-1176.6	0.69	-0.03	6.49
34	60	7618.3	273.1	314.8	-0.27	-0.47	-10.74
	61	-7618.3	6701.9	-314.8	0.27	-0.52	5.96
35	60	3416.1	-1185.0	-24.2	-0.48	-0.03	-9.17
	61	-3416.1	6911.5	24.2	0.48	0.07	2.85
36	60	4051.7	-1254.0	-140.6	-0.28	0.77	-9.13
	61	-4051.7	6930.6	495.8	0.28	-0.27	2.74
37	60	412.5	-236.1	150.0	-0.06	-0.07	-6.10
	61	-412.5	4714.2	-150.0	0.06	-0.16	2.23
38	60	1311.1	-49.7	23.6	-0.25	-0.57	-4.27
	61	-1311.1	3629.0	-279.9	0.25	0.33	1.39
39	60	4508.9	-874.9	-137.8	-0.32	0.05	-6.56
	61	-4508.9	5353.1	137.8	0.32	0.17	1.69
40	60	24718.5	-693.3	540.0	-0.44	0.04	-5.68
	61	-24718.5	5171.4	-540.0	0.44	-0.89	1.09
41	60	-19728.1	-440.4	-633.4	-0.07	-0.03	-7.03
	61	19728.1	4918.6	633.4	0.07	1.02	2.84
42	60	4337.1	-1803.0	-1.6	-0.70	-0.06	-12.00
	61	-4337.1	8778.1	1.6	0.70	0.07	3.73
43	60	2197.8	-1687.3	1702.1	-1.46	-2.50	-12.79
	61	-2197.8	8662.3	-1702.1	1.46	0.95	3.87
44	60	4008.2	-242.1	1260.7	-1.33	-1.89	-12.08
	61	-4008.2	7217.1	-1260.7	1.33	0.76	5.42
45	60	949.6	-3960.2	1179.0	-1.12	-1.71	-13.30
	61	-949.6	10935.2	-1179.0	1.12	0.63	1.40
46	60	1690.1	-4463.2	289.2	-0.71	-0.44	-13.04
	61	-1690.1	11438.2	-289.2	0.71	0.15	0.85
47	60	4666.0	-3364.0	-1263.9	-0.07	1.76	-11.91

	61	-4666.0	10339.0	1263.9	0.07	-0.62	2.03
48	60	6476.4	-1918.8	-1705.3	0.06	2.37	-11.21
	61	-6476.4	8893.8	1705.3	-0.06	-0.82	3.59
49	60	6984.2	857.1	-292.4	-0.69	0.31	-10.96
	61	-6984.2	6117.9	292.4	0.69	-0.02	6.60
50	60	7724.6	354.1	-1182.2	-0.28	1.59	-10.70
	61	-7724.6	6620.9	1182.2	0.28	-0.50	6.05
51	60	772.4	-470.3	1342.3	-0.88	-1.98	-6.99
	61	-772.4	4948.4	-1342.3	0.88	0.79	2.08
52	60	2228.3	694.0	981.1	-0.77	-1.48	-6.43
	61	-2228.3	3784.1	-981.1	0.77	0.63	3.33
53	60	-229.7	-2303.8	917.9	-0.60	-1.34	-7.40
	61	229.7	6781.9	-917.9	0.60	0.52	0.09
54	60	367.2	-2711.0	192.8	-0.26	-0.30	-7.19
	61	-367.2	7189.1	-192.8	0.26	0.14	-0.35
55	60	2762.1	-1827.8	-1074.5	0.26	1.49	-6.28
	61	-2762.1	6305.9	1074.5	-0.26	-0.49	0.60
56	60	4218.0	-663.5	-1435.7	0.36	1.99	-5.71
	61	-4218.0	5141.6	1435.7	-0.36	-0.65	1.85
57	60	4623.2	1577.2	-286.3	-0.25	0.31	-5.52
	61	-4623.2	2900.9	286.3	0.25	-0.00	4.28
58	60	5220.1	1170.0	-1011.3	0.09	1.35	-5.30
	61	-5220.1	3308.1	1011.3	-0.09	-0.39	3.84
1	61	3424.0	-8741.8	-71.0	-0.49	-0.15	-2.65
	62	-3424.0	14673.6	71.0	0.49	0.26	-15.63
2	61	6138.6	-18069.3	65.7	-1.76	-0.24	-5.31
	62	-6138.6	27744.1	-65.7	1.76	0.14	-30.47
3	61	41816.6	-21347.6	-6241.6	-2.28	2.04	-5.07
	62	-41816.6	32819.1	6774.0	2.28	8.12	-37.23
4	61	36323.3	-16274.3	-4789.1	-1.68	1.77	-4.34
	62	-36323.3	25949.1	4789.1	1.68	5.71	-28.64
5	61	37706.6	-13430.3	-4130.0	-1.97	1.11	-3.07
	62	-37706.6	21757.7	3745.9	1.97	5.05	-24.41
6	61	42516.7	-17311.4	-5090.0	-2.21	1.39	-3.51
	62	-42516.7	26986.2	5090.0	2.21	6.56	-31.09
7	61	-24869.8	-23846.5	3966.8	-1.64	-1.47	-7.85
	62	24869.8	35318.0	-3434.4	1.64	-4.31	-38.36
8	61	-30363.0	-18773.2	5419.3	-1.04	-1.74	-7.11
	62	30363.0	28448.0	-5419.3	1.04	-6.72	-29.77
9	61	-28979.8	-15929.2	6078.4	-1.33	-2.40	-5.85
	62	28979.8	24256.6	-6462.5	1.33	-7.39	-25.54
10	61	-24169.6	-19810.3	5118.4	-1.57	-2.12	-6.28
	62	24169.6	29485.1	-5118.4	1.57	-5.88	-32.22
11	61	42015.8	-19702.4	-7112.0	-1.78	2.44	-4.51
	62	-42015.8	30500.1	7999.4	1.78	9.36	-34.70
12	61	-24670.5	-22201.3	3096.4	-1.14	-1.07	-7.28
	62	24670.5	32999.0	-2209.0	1.14	-3.08	-35.83
13	61	32860.4	-11246.8	-4691.2	-0.78	1.99	-3.29
	62	-32860.4	19050.2	4691.2	0.78	5.34	-20.38
14	61	-33825.9	-13745.7	5517.2	-0.14	-1.52	-6.06
	62	33825.9	21549.1	-5517.2	0.14	-7.09	-21.51
15	61	35165.8	-6506.8	-3592.8	-1.25	0.88	-1.18
	62	-35165.8	12064.4	2952.6	1.25	4.23	-13.33
16	61	-31520.5	-9005.7	6615.6	-0.61	-2.63	-3.95
	62	31520.5	14563.3	-7255.8	0.61	-8.20	-14.46

	61	43182.7	-12975.3	-5192.7	-1.65	1.36	-1.90
	62	-43182.7	20778.6	5192.7	1.65	6.75	-24.46
18	61	-23503.7	-15474.2	5015.7	-1.01	-2.15	-4.67
	62	23503.7	23277.6	-5015.7	1.01	-5.68	-25.59
19	61	62688.1	-15850.9	-9712.8	-1.86	3.26	-2.82
	62	-62688.1	25450.9	10245.2	1.86	12.33	-29.44
20	61	-48455.8	-20015.7	7301.2	-0.79	-2.59	-7.44
	62	48455.8	29615.7	-6768.8	0.79	-8.40	-31.32
21	61	57194.8	-10777.6	-8260.3	-1.26	2.99	-2.09
	62	-57194.8	18580.9	8260.3	1.26	9.92	-20.84
22	61	-53949.1	-14942.4	8753.7	-0.19	-2.86	-6.71
	62	53949.1	22745.8	-8753.7	0.19	-10.81	-22.73
23	61	58578.0	-7933.5	-7601.2	-1.54	2.32	-0.82
	62	-58578.0	14389.4	7217.1	1.54	9.25	-16.61
24	61	-52565.8	-12098.4	9412.8	-0.48	-3.53	-5.44
	62	52565.8	18554.3	-9796.9	0.48	-11.48	-18.50
25	61	63388.2	-11814.6	-8561.2	-1.78	2.61	-1.26
	62	-63388.2	19618.0	8561.2	1.78	10.76	-23.29
26	61	-47755.7	-15979.5	8452.8	-0.72	-3.24	-5.88
	62	47755.7	23782.8	-8452.8	0.72	-9.96	-25.18
27	61	2671.1	-14424.4	3084.1	-2.11	-1.03	-3.87
	62	-2671.1	21395.0	-3084.1	2.11	-4.24	-21.29
28	61	3967.3	-12891.6	2016.1	-2.28	-0.79	-5.33
	62	-3967.3	19862.2	-2016.1	2.28	-2.73	-17.43
29	61	1834.9	-15566.4	2578.1	-1.21	-0.78	-1.56
	62	-1834.9	22537.0	-2578.1	1.21	-3.50	-27.35
30	61	4574.6	-12457.8	-703.8	-0.90	0.06	-3.49
	62	-4574.6	19428.4	703.8	0.90	1.16	-22.26
31	61	4602.4	-12578.0	-1921.8	-0.12	0.47	-2.16
	62	-4602.4	19548.5	1921.8	0.12	2.90	-25.75
32	61	5898.6	-11045.2	-2989.9	-0.29	0.71	-3.62
	62	-5898.6	18015.8	2989.9	0.29	4.41	-21.90
33	61	6155.5	-10457.1	-982.1	-1.78	0.01	-6.44
	62	-6155.5	17427.7	982.1	1.78	1.53	-14.50
34	61	6734.9	-9903.2	-2483.9	-1.19	0.46	-5.92
	62	-6734.9	16873.8	2483.9	1.19	3.68	-15.84
35	61	3380.0	-9625.6	1.5	-0.78	-0.13	-2.86
	62	-3380.0	15348.5	-1.5	0.78	0.13	-16.65
36	61	4031.7	-9535.0	-846.1	-0.48	0.26	-2.73
	62	-4031.7	15208.0	1201.1	0.48	1.34	-16.59
37	61	369.5	-6152.8	122.2	-0.08	0.07	-2.25
	62	-369.5	10628.0	-122.2	0.08	-0.26	-10.86
38	61	1291.7	-4256.8	561.6	-0.27	-0.37	-1.40
	62	-1291.7	7833.7	-817.7	0.27	-0.71	-8.04
39	61	4498.4	-6844.1	-78.4	-0.43	-0.18	-1.69
	62	-4498.4	11319.4	78.4	0.43	0.30	-12.49
40	61	24703.9	-5683.5	-3446.8	-0.56	1.07	-1.04
	62	-24703.9	10158.7	3446.8	0.56	4.31	-11.33
41	61	-19753.7	-7349.4	3358.8	-0.14	-1.27	-2.89
	62	19753.7	11824.7	-3358.8	0.14	-3.98	-12.08
42	61	4284.9	-12734.8	47.1	-1.20	-0.16	-3.74
	62	-4284.9	19705.4	-47.1	1.20	0.09	-21.59
43	61	2671.5	-14488.1	3118.9	-2.27	-0.98	-3.87
	62	-2671.5	21458.7	-3118.9	2.27	-4.32	-21.28
44	61	3982.7	-12893.4	2032.7	-2.10	-0.75	-5.39
	62	-3982.7	19864.0	-2032.7	2.10	-2.79	-17.27

	61	1812.2	-15679.5	2616.0	-1.77	-0.76	-1.47
	62	-1812.2	22650.0	-2616.0	1.77	-3.56	-27.58
46	61	2386.9	-15105.9	1098.8	-1.18	-0.34	-0.94
	62	-2386.9	22076.5	-1098.8	1.18	-1.38	-28.97
47	61	4587.1	-12576.2	-1938.5	-0.30	0.43	-2.10
	62	-4587.1	19546.8	1938.5	0.30	2.96	-25.92
48	61	5898.3	-10981.5	-3024.7	-0.13	0.66	-3.62
	62	-5898.3	17952.0	3024.7	0.13	4.50	-21.91
49	61	6182.8	-10363.7	-1004.6	-1.21	0.02	-6.54
	62	-6182.8	17334.3	1004.6	1.21	1.55	-14.21
50	61	6757.5	-9790.1	-2521.8	-0.62	0.44	-6.01
	62	-6757.5	16760.7	2521.8	0.62	3.74	-15.61
51	61	1172.8	-7934.1	2464.9	-1.22	-0.76	-2.07
	62	-1172.8	12409.3	-2464.9	1.22	-3.44	-11.44
52	61	2228.8	-6649.6	1581.6	-1.08	-0.58	-3.29
	62	-2228.8	11124.8	-1581.6	1.08	-2.19	-8.21
53	61	482.7	-8889.9	2048.3	-0.82	-0.58	-0.14
	62	-482.7	13365.2	-2048.3	0.82	-2.81	-16.53
54	61	947.3	-8424.7	807.9	-0.34	-0.24	0.28
	62	-947.3	12900.0	-807.9	0.34	-1.02	-17.65
55	61	2721.4	-6383.3	-1669.7	0.38	0.38	-0.64
	62	-2721.4	10858.6	1669.7	-0.38	2.52	-15.19
56	61	3777.5	-5098.8	-2553.0	0.52	0.57	-1.87
	62	-3777.5	9574.1	2553.0	-0.52	3.77	-11.96
57	61	4002.9	-4608.2	-896.0	-0.36	0.04	-4.22
	62	-4002.9	9083.4	896.0	0.36	1.36	-5.76
58	61	4467.5	-4143.0	-2136.4	0.12	0.39	-3.80
	62	-4467.5	8618.2	2136.4	-0.12	3.14	-6.88
1	62	3049.9	14589.9	-130.2	0.20	0.13	15.64
	63	-3049.9	-8658.0	130.2	-0.20	0.07	2.51
2	62	5535.6	27435.5	-351.1	1.11	0.39	30.38
	63	-5535.6	-17760.7	351.1	-1.11	0.16	4.92
3	62	37036.3	31008.0	6331.4	1.38	-6.44	32.58
	63	-37036.3	-19536.6	-5799.0	-1.38	-3.04	6.89
4	62	33228.4	25224.8	4387.5	0.98	-4.29	26.42
	63	-33228.4	-15549.9	-4387.5	-0.98	-2.56	5.43
5	62	33371.3	20517.3	3193.7	1.01	-3.04	20.57
	63	-33371.3	-12189.9	-3577.8	-1.01	-2.25	4.98
6	62	36733.4	24776.4	4599.6	1.21	-4.55	25.02
	63	-36733.4	-15101.6	-4599.6	-1.21	-2.63	6.12
7	62	-21799.1	35867.8	-3445.5	1.29	3.34	41.93
	63	21799.1	-24396.4	3977.9	-1.29	2.46	5.14
8	62	-25607.1	30084.5	-5389.4	0.88	5.48	35.76
	63	25607.1	-20409.7	5389.4	-0.88	2.94	3.68
9	62	-25464.1	25377.1	-6583.3	0.92	6.73	29.91
	63	25464.1	-17049.7	6199.1	-0.92	3.25	3.23
10	62	-22102.0	29636.2	-5177.3	1.12	5.22	34.36
	63	22102.0	-19961.4	5177.3	-1.12	2.87	4.37
11	62	37182.1	28586.8	7637.8	1.08	-7.86	29.80
	63	-37182.1	-17789.1	-6750.5	-1.08	-3.38	6.42
12	62	-21653.4	33446.6	-2139.1	0.98	1.91	39.14
	63	21653.4	-22648.9	3026.4	-0.98	2.12	4.67
13	62	30835.5	18948.0	4398.1	0.40	-4.29	19.52
	63	-30835.5	-11144.6	-4398.1	-0.40	-2.58	3.98
14	62	-28000.0	23807.8	-5378.9	0.30	5.49	28.86

	63	28000.0	-16004.4	5378.9	-0.30	2.91	2.23
15	62	31073.8	11102.2	2408.2	0.45	-2.20	9.77
	63	-31073.8	-5544.6	-3048.4	-0.45	-2.06	3.23
16	62	-27761.7	15962.0	-7368.7	0.36	7.57	19.11
	63	27761.7	-10404.4	6728.5	-0.36	3.44	1.48
17	62	36677.3	18200.8	4751.5	0.79	-4.72	17.19
	63	-36677.3	-10397.4	-4751.5	-0.79	-2.70	5.14
18	62	-22158.2	23060.6	-5025.5	0.69	5.05	26.53
	63	22158.2	-15257.2	5025.5	-0.69	2.80	3.39
19	62	55405.3	22965.3	9700.8	0.96	-9.82	22.10
	63	-55405.3	-13365.3	-9168.4	-0.96	-4.91	6.27
20	62	-42653.8	31064.9	-6594.1	0.80	6.47	37.67
	63	42653.8	-21465.0	7126.5	-0.80	4.25	3.36
21	62	51597.3	17182.0	7756.9	0.55	-7.68	15.93
	63	-51597.3	-9378.6	-7756.9	-0.55	-4.44	4.81
22	62	-46461.8	25281.6	-8537.9	0.40	8.61	31.50
	63	46461.8	-17478.3	8537.9	-0.40	4.73	1.89
23	62	51740.3	12474.5	6563.0	0.58	-6.43	10.09
	63	-51740.3	-6018.6	-6947.2	-0.58	-4.12	4.36
24	62	-46318.8	20574.2	-9731.8	0.43	9.86	25.65
	63	46318.8	-14118.3	9347.7	-0.43	5.04	1.44
25	62	55102.4	16733.7	7969.0	0.78	-7.94	14.54
	63	-55102.4	-8930.3	-7969.0	-0.78	-4.51	5.50
26	62	-42956.7	24833.3	-8325.9	0.63	8.35	30.11
	63	42956.7	-17030.0	8325.9	-0.63	4.66	2.59
27	62	1291.4	19696.4	-2547.4	1.46	3.04	21.79
	63	-1291.4	-12725.8	2547.4	-1.46	0.95	4.95
28	62	3368.4	20609.1	-3193.1	1.29	3.95	24.44
	63	-3368.4	-13638.5	3193.1	-1.29	1.20	3.72
29	62	-57.3	18170.2	40.6	1.22	-0.27	17.59
	63	57.3	-11199.6	-40.6	-1.22	-0.02	5.78
30	62	4325.5	19295.8	537.3	0.57	-0.69	21.06
	63	-4325.5	-12325.2	-537.3	-0.57	-0.18	3.21
31	62	4361.5	18378.0	2694.9	0.22	-3.39	18.63
	63	-4361.5	-11407.5	-2694.9	-0.22	-0.98	3.22
32	62	6438.5	19290.7	2049.3	0.05	-2.48	21.28
	63	-6438.5	-12320.1	-2049.3	-0.05	-0.73	1.99
33	62	6866.1	21212.4	-2111.5	0.66	2.76	26.43
	63	-6866.1	-14241.9	2111.5	-0.66	0.82	1.68
34	62	7787.2	20816.9	-538.8	0.28	0.83	25.48
	63	-7787.2	-13846.3	538.8	-0.28	0.24	1.16
35	62	3036.4	15211.7	-175.5	0.45	0.19	16.62
	63	-3036.4	-9488.8	175.5	-0.45	0.08	2.67
36	62	3596.4	14931.4	1094.1	0.29	-1.19	16.30
	63	-3596.4	-9258.4	-739.2	-0.29	-0.24	2.60
37	62	1057.8	11075.8	-201.8	0.02	0.24	12.18
	63	-1057.8	-6600.6	201.8	-0.02	0.07	1.62
38	62	1153.1	7937.5	-997.7	0.04	1.08	8.28
	63	-1153.1	-4360.6	741.6	-0.04	0.28	1.32
39	62	3394.5	10777.0	-60.4	0.18	0.07	11.25
	63	-3394.5	-6301.7	60.4	-0.18	0.03	2.09
40	62	21819.6	9309.8	3157.1	0.17	-3.15	8.60
	63	-21819.6	-4834.6	-3157.1	-0.17	-1.78	2.45
41	62	-17404.1	12549.7	-3360.8	0.11	3.36	14.82
	63	17404.1	-8074.4	3360.8	-0.11	1.89	1.28
42	62	3864.9	19493.5	-249.1	0.75	0.28	21.54

	63	-3864.9	-12523.0	249.1	-0.75	0.11	3.47
43	62	1224.7	19685.1	-2492.9	1.46	2.97	21.79
	63	-1224.7	-12714.6	2492.9	-1.46	0.93	4.99
44	62	3392.6	20636.6	-3152.6	1.29	3.91	24.55
	63	-3392.6	-13666.1	3152.6	-1.29	1.16	3.71
45	62	-215.0	18107.9	78.4	1.22	-0.34	17.42
	63	215.0	-11137.3	-78.4	-1.22	0.01	5.87
46	62	718.7	17707.5	1622.6	0.84	-2.23	16.44
	63	-718.7	-10736.9	-1622.6	-0.84	-0.55	5.34
47	62	4337.3	18350.5	2654.4	0.21	-3.35	18.52
	63	-4337.3	-11379.9	-2654.4	-0.21	-0.94	3.23
48	62	6505.2	19302.0	1994.7	0.04	-2.41	21.29
	63	-6505.2	-12331.4	-1994.7	-0.04	-0.71	1.94
49	62	7011.1	21279.6	-2120.7	0.66	2.79	26.63
	63	-7011.1	-14309.1	2120.7	-0.66	0.77	1.60
50	62	7944.9	20879.2	-576.5	0.29	0.90	25.65
	63	-7944.9	-13908.7	576.5	-0.29	0.21	1.07
51	62	79.6	11082.7	-1929.8	0.72	2.29	11.91
	63	-79.6	-6607.4	1929.8	-0.72	0.72	3.11
52	62	1822.2	11848.0	-2458.2	0.58	3.05	14.14
	63	-1822.2	-7372.7	2458.2	-0.58	0.91	2.07
53	62	-1073.7	9814.9	151.2	0.52	-0.38	8.40
	63	1073.7	-5339.7	-151.2	-0.52	-0.03	3.80
54	62	-319.6	9493.6	1406.4	0.21	-1.92	7.61
	63	319.6	-5018.4	-1406.4	-0.21	-0.48	3.37
55	62	2593.3	10011.6	2254.5	-0.30	-2.84	9.28
	63	-2593.3	-5536.3	-2254.5	0.30	-0.80	1.66
56	62	4336.0	10776.9	1726.1	-0.44	-2.08	11.51
	63	-4336.0	-6301.6	-1726.1	0.44	-0.61	0.63
57	62	4735.1	12365.9	-1610.2	0.07	2.13	15.81
	63	-4735.1	-7890.7	1610.2	-0.07	0.59	0.36
58	62	5489.2	12044.6	-354.9	-0.24	0.59	15.02
	63	-5489.2	-7569.3	354.9	0.24	0.14	-0.07
1	63	3071.6	6620.6	-57.0	0.06	0.02	-2.49
	64	-3071.6	-684.9	57.0	-0.06	0.06	8.20
2	63	5566.5	11977.9	-134.9	0.35	0.02	-4.88
	64	-5566.5	-2296.9	134.9	-0.35	0.19	16.04
3	63	36821.8	13575.6	-829.7	0.41	2.75	-6.96
	64	-36821.8	-2096.8	1362.4	-0.41	-1.04	19.21
4	63	33031.8	11286.6	-1526.7	0.28	2.34	-5.48
	64	-33031.8	-1605.6	1526.7	-0.28	0.04	15.56
5	63	33211.2	9188.6	-2142.3	0.28	2.10	-5.01
	64	-33211.2	-855.9	1758.0	-0.28	0.94	12.86
6	63	36558.3	10848.3	-1626.6	0.34	2.43	-6.17
	64	-36558.3	-1167.3	1626.6	-0.34	0.11	15.56
7	63	-21584.7	15398.1	2070.6	0.45	-1.98	-5.04
	64	21584.7	-3919.3	-1537.8	-0.45	-0.84	20.13
8	63	-25374.7	13109.1	1373.5	0.32	-2.39	-3.56
	64	25374.7	-3428.1	-1373.5	-0.32	0.24	16.48
9	63	-25195.3	11011.1	757.9	0.31	-2.63	-3.08
	64	25195.3	-2678.5	-1142.3	-0.31	1.14	13.78
10	63	-21848.2	12670.9	1273.7	0.38	-2.30	-4.25
	64	21848.2	-2989.8	-1273.7	-0.38	0.31	16.48
11	63	36942.4	12569.5	-287.3	0.32	3.00	-6.51
	64	-36942.4	-1764.9	1175.2	-0.32	-1.85	17.72

	63	-21464.1	14392.0	2613.0	0.36	-1.74	-4.59
	64	21464.1	-3587.4	-1725.1	-0.36	-1.65	18.64
13	63	30625.7	8754.5	-1449.0	0.11	2.32	-4.05
	64	-30625.7	-946.2	1449.0	-0.11	-0.05	11.63
14	63	-27780.8	10577.0	1451.3	0.14	-2.42	-2.12
	64	27780.8	-2768.7	-1451.3	-0.14	0.15	12.55
15	63	30924.7	5257.9	-2475.0	0.09	1.92	-3.26
	64	-30924.7	303.3	1834.4	-0.09	1.45	7.13
16	63	-27481.8	7080.4	425.3	0.13	-2.81	-1.33
	64	27481.8	-1519.3	-1065.9	-0.13	1.65	8.05
17	63	36503.3	8024.1	-1615.3	0.21	2.47	-5.20
	64	-36503.3	-215.7	1615.3	-0.21	0.06	11.64
18	63	-21903.2	9846.6	1284.9	0.24	-2.27	-3.27
	64	21903.2	-2038.3	-1284.9	-0.24	0.26	12.56
19	63	55043.2	10289.4	-1757.6	0.25	4.33	-6.41
	64	-55043.2	-683.3	2290.3	-0.25	-1.17	14.99
20	63	-42301.0	13326.9	3076.3	0.32	-3.56	-3.20
	64	42301.0	-3720.8	-2543.5	-0.32	-0.83	16.52
21	63	51253.2	8000.4	-2454.6	0.13	3.92	-4.93
	64	-51253.2	-192.0	2454.6	-0.13	-0.09	11.33
22	63	-46091.0	11037.9	2379.2	0.19	-3.97	-1.72
	64	46091.0	-3229.6	-2379.2	-0.19	0.25	12.87
23	63	51432.6	5902.4	-3070.2	0.12	3.69	-4.46
	64	-51432.6	557.6	2685.8	-0.12	0.81	8.64
24	63	-45911.6	8940.0	1763.6	0.18	-4.20	-1.25
	64	45911.6	-2479.9	-2148.0	-0.18	1.15	10.17
25	63	54779.7	7562.1	-2554.4	0.19	4.01	-5.62
	64	-54779.7	246.2	2554.4	-0.19	-0.02	11.34
26	63	-42564.4	10599.7	2279.4	0.25	-3.88	-2.41
	64	42564.4	-2791.3	-2279.4	-0.25	0.31	12.87
27	63	1886.2	8644.2	-1088.2	0.69	-0.67	-4.94
	64	-1886.2	-1669.2	1088.2	-0.69	2.01	11.70
28	63	3389.8	9476.0	-889.9	0.57	-0.97	-3.68
	64	-3389.8	-2501.0	889.9	-0.57	2.28	11.79
29	63	1006.5	7310.7	-692.3	0.56	0.25	-5.80
	64	-1006.5	-335.7	692.3	-0.56	0.27	11.32
30	63	4262.0	8386.1	176.0	0.12	0.27	-3.18
	64	-4262.0	-1411.0	-176.0	-0.12	-0.48	11.22
31	63	4384.7	7607.2	704.2	-0.10	1.00	-3.20
	64	-4384.7	-632.2	-704.2	0.10	-2.03	10.89
32	63	5888.3	8439.0	902.6	-0.22	0.71	-1.94
	64	-5888.3	-1464.0	-902.6	0.22	-1.75	10.98
33	63	6018.4	10083.6	-31.1	0.15	-0.73	-1.61
	64	-6018.4	-3108.5	31.1	-0.15	1.20	11.61
34	63	6767.9	9772.5	506.6	-0.08	-0.22	-1.09
	64	-6767.9	-2797.4	-506.6	0.08	-0.01	11.36
35	63	3055.6	6755.8	-66.9	0.14	0.02	-2.65
	64	-3055.6	-1029.2	66.9	-0.14	0.09	8.73
36	63	3592.1	6642.6	462.6	0.10	0.26	-2.59
	64	-3592.1	-966.0	-107.4	-0.10	-0.71	8.54
37	63	1065.4	5116.6	-2.1	0.01	-0.01	-1.61
	64	-1065.4	-638.5	2.1	-0.01	0.01	6.11
38	63	1185.0	3718.0	-412.5	0.00	-0.17	-1.29
	64	-1185.0	-138.7	156.3	-0.00	0.61	4.31
39	63	3416.4	4824.4	-68.7	0.05	0.05	-2.07
	64	-3416.4	-346.3	68.7	-0.05	0.06	6.11

	63	21692.8	4362.5	-1007.7	0.03	1.60	-2.49
	64	-21692.8	115.6	1007.7	-0.03	-0.02	5.81
41	63	-17244.8	5577.5	925.8	0.05	-1.56	-1.21
	64	17244.8	-1099.4	-925.8	-0.05	0.11	6.42
42	63	3887.2	8541.6	-92.8	0.24	0.02	-3.44
	64	-3887.2	-1566.6	92.8	-0.24	0.13	11.34
43	63	1845.8	8639.2	-1028.7	0.69	-0.66	-4.99
	64	-1845.8	-1664.2	1028.7	-0.69	1.94	11.69
44	63	3415.4	9505.8	-845.8	0.57	-0.93	-3.68
	64	-3415.4	-2530.8	845.8	-0.57	2.19	11.76
45	63	894.2	7256.6	-650.9	0.55	0.23	-5.89
	64	-894.2	-281.6	650.9	-0.55	0.28	11.33
46	63	1648.2	6938.1	-144.2	0.32	0.72	-5.36
	64	-1648.2	36.9	144.2	-0.32	-0.88	11.10
47	63	4359.1	7577.4	660.2	-0.10	0.96	-3.20
	64	-4359.1	-602.4	-660.2	0.10	-1.93	10.92
48	63	5928.7	8444.0	843.0	-0.22	0.69	-1.89
	64	-5928.7	-1469.0	-843.0	0.22	-1.68	11.00
49	63	6126.3	10145.1	-41.5	0.16	-0.68	-1.53
	64	-6126.3	-3170.1	41.5	-0.16	1.14	11.59
50	63	6880.3	9826.6	465.2	-0.08	-0.20	-0.99
	64	-6880.3	-2851.6	-465.2	0.08	-0.03	11.36
51	63	578.3	5051.5	-803.4	0.41	-0.53	-3.11
	64	-578.3	-573.3	803.4	-0.41	1.52	6.40
52	63	1839.3	5749.6	-654.7	0.31	-0.75	-2.05
	64	-1839.3	-1271.5	654.7	-0.31	1.73	6.46
53	63	-182.3	3935.6	-495.3	0.30	0.19	-3.83
	64	182.3	542.5	495.3	-0.30	0.17	6.11
54	63	426.8	3677.3	-82.5	0.11	0.59	-3.39
	64	-426.8	800.9	82.5	-0.11	-0.78	5.92
55	63	2608.7	4190.4	572.7	-0.23	0.79	-1.65
	64	-2608.7	287.7	-572.7	0.23	-1.64	5.78
56	63	3869.7	4888.6	721.5	-0.33	0.57	-0.59
	64	-3869.7	-410.4	-721.5	0.33	-1.43	5.84
57	63	4021.2	6262.8	0.5	-0.02	-0.55	-0.31
	64	-4021.2	-1784.6	-0.5	0.02	0.86	6.32
58	63	4630.3	6004.4	413.4	-0.22	-0.15	0.13
	64	-4630.3	-1526.3	-413.4	0.22	-0.08	6.13
1	64	3068.8	-1342.8	-17.0	-0.08	-0.05	-8.20
	65	-3068.8	7278.5	17.0	0.08	0.08	1.46
2	64	5548.0	-3462.5	25.3	-0.38	-0.19	-16.04
	65	-5548.0	13143.5	-25.3	0.38	0.15	3.06
3	64	36548.0	-6067.1	1181.3	-0.54	0.79	-19.27
	65	-36548.0	17545.9	-648.6	0.54	-2.22	0.82
4	64	32750.7	-4805.5	1498.9	-0.40	-0.31	-15.62
	65	-32750.7	14486.5	-1498.9	0.40	-2.04	0.55
5	64	32945.6	-4342.2	1698.4	-0.44	-1.20	-12.92
	65	-32945.6	12674.9	-2082.7	0.44	-1.76	-0.37
6	64	36297.8	-5312.0	1433.2	-0.50	-0.35	-15.63
	65	-36297.8	14993.0	-1433.2	0.50	-1.89	-0.24
7	64	-21357.0	-2833.0	-1713.4	-0.35	1.09	-20.07
	65	21357.0	14311.8	2246.1	0.35	2.00	6.67
8	64	-25154.3	-1571.5	-1395.8	-0.20	-0.00	-16.42
	65	25154.3	11252.5	1395.8	0.20	2.19	6.40
9	64	-24959.4	-1108.1	-1196.3	-0.24	-0.89	-13.72

	65	24959.4	9440.8	812.0	0.24	2.46	5.48
10	64	-21607.2	-2078.0	-1461.5	-0.31	-0.05	-16.42
	65	21607.2	11759.0	1461.5	0.31	2.33	5.61
11	64	36673.4	-5665.6	965.9	-0.44	1.61	-17.78
	65	-36673.4	16470.3	-78.0	0.44	-2.43	0.48
12	64	-21231.6	-2431.6	-1928.8	-0.24	1.92	-18.57
	65	21231.6	13236.2	2816.7	0.24	1.79	6.33
13	64	30344.6	-3563.0	1495.3	-0.20	-0.21	-11.69
	65	-30344.6	11371.4	-1495.3	0.20	-2.12	0.02
14	64	-27560.5	-329.0	-1399.5	0.00	0.09	-12.49
	65	27560.5	8137.3	1399.5	-0.00	2.10	5.87
15	64	30669.4	-2790.8	1827.6	-0.25	-1.70	-7.19
	65	-30669.4	8352.0	-2468.2	0.25	-1.66	-1.51
16	64	-27235.7	443.2	-1067.1	-0.06	-1.39	-7.99
	65	27235.7	5117.9	426.5	0.06	2.56	4.34
17	64	36256.4	-4407.2	1385.7	-0.37	-0.29	-11.70
	65	-36256.4	12215.6	-1385.7	0.37	-1.88	-1.30
18	64	-21648.6	-1173.2	-1509.0	-0.17	0.01	-12.49
	65	21648.6	8981.5	1509.0	0.17	2.34	4.55
19	64	54610.1	-6085.3	2125.1	-0.46	0.76	-15.09
	65	-54610.1	15691.4	-1592.3	0.46	-3.66	-1.93
20	64	-41898.3	-695.2	-2699.5	-0.13	1.26	-16.42
	65	41898.3	10301.3	3232.2	0.13	3.37	7.82
21	64	50812.8	-4823.7	2442.7	-0.31	-0.34	-11.44
	65	-50812.8	12632.1	-2442.7	0.31	-3.48	-2.20
22	64	-45695.6	566.4	-2381.9	0.01	0.17	-12.77
	65	45695.6	7242.0	2381.9	-0.01	3.56	7.55
23	64	51007.6	-4360.4	2642.1	-0.35	-1.23	-8.74
	65	-51007.6	10820.4	-3026.5	0.35	-3.20	-3.12
24	64	-45500.7	1029.7	-2182.4	-0.02	-0.72	-10.07
	65	45500.7	5430.3	1798.1	0.02	3.84	6.63
25	64	54359.9	-5330.2	2377.0	-0.42	-0.38	-11.44
	65	-54359.9	13138.6	-2377.0	0.42	-3.33	-2.99
26	64	-42148.5	59.9	-2447.6	-0.09	0.12	-12.77
	65	42148.5	7748.5	2447.6	0.09	3.70	6.76
27	64	2338.5	-3399.5	876.4	-0.58	-2.32	-11.71
	65	-2338.5	10374.5	-876.4	0.58	1.03	2.28
28	64	3316.0	-2559.6	1145.0	-0.68	-2.01	-11.80
	65	-3316.0	9534.6	-1145.0	0.68	0.77	3.61
29	64	1931.4	-3970.9	-135.5	-0.20	-1.26	-11.32
	65	-1931.4	10945.9	135.5	0.20	0.78	0.17
30	64	4189.1	-2220.9	-286.4	-0.15	0.48	-11.22
	65	-4189.1	9195.9	286.4	0.15	-0.13	1.91
31	64	4433.7	-2232.4	-1119.2	0.17	1.75	-10.88
	65	-4433.7	9207.4	1119.2	-0.17	-0.56	0.68
32	64	5411.3	-1392.5	-850.6	0.06	2.06	-10.97
	65	-5411.3	8367.5	850.6	-0.06	-0.81	2.01
33	64	5189.8	-1171.2	760.0	-0.54	-0.22	-11.62
	65	-5189.8	8146.2	-760.0	0.54	-0.09	4.60
34	64	5818.3	-821.1	161.3	-0.31	1.00	-11.37
	65	-5818.3	7796.1	-161.3	0.31	-0.56	4.12
35	64	3048.4	-1689.4	-1.2	-0.16	-0.08	-8.73
	65	-3048.4	7416.0	1.2	0.16	0.08	1.61
36	64	3587.0	-1641.3	-209.6	-0.10	0.72	-8.54
	65	-3587.0	7317.9	564.8	0.10	-0.11	1.54
37	64	1055.5	-800.2	2.2	-0.00	-0.01	-6.11

	65	-1055.5	5278.3	-2.2	0.00	0.01	1.35
38	64	1185.4	-491.3	135.1	-0.03	-0.60	-4.31
	65	-1185.4	4070.6	-391.3	0.03	0.19	0.74
39	64	3420.2	-1137.9	-41.7	-0.07	-0.04	-6.11
	65	-3420.2	5616.0	41.7	0.07	0.11	0.83
40	64	21523.7	-2060.9	949.6	-0.12	-0.14	-5.85
	65	-21523.7	6539.0	-949.6	0.12	-1.35	-0.87
41	64	-17079.6	95.1	-980.2	0.01	0.06	-6.38
	65	17079.6	4383.0	980.2	-0.01	1.47	3.03
42	64	3874.9	-2396.0	12.9	-0.26	-0.13	-11.34
	65	-3874.9	9371.0	-12.9	0.26	0.11	2.15
43	64	2333.4	-3433.0	860.8	-0.56	-2.24	-11.70
	65	-2333.4	10408.0	-860.8	0.56	0.97	2.28
44	64	3344.0	-2557.3	1117.2	-0.66	-1.94	-11.78
	65	-3344.0	9532.3	-1117.2	0.66	0.73	3.66
45	64	1879.6	-4035.2	-121.6	-0.20	-1.21	-11.33
	65	-1879.6	11010.2	121.6	0.20	0.73	0.09
46	64	2501.3	-3675.7	-707.3	0.01	-0.03	-11.09
	65	-2501.3	10650.7	707.3	-0.01	0.28	-0.41
47	64	4405.7	-2234.7	-1091.4	0.14	1.68	-10.91
	65	-4405.7	9209.7	1091.4	-0.14	-0.51	0.63
48	64	5416.4	-1359.0	-834.9	0.05	1.98	-10.99
	65	-5416.4	8334.0	834.9	-0.05	-0.75	2.02
49	64	5248.4	-1116.3	733.1	-0.52	-0.22	-11.59
	65	-5248.4	8091.3	-733.1	0.52	-0.07	4.70
50	64	5870.1	-756.8	147.4	-0.31	0.95	-11.36
	65	-5870.1	7731.8	-147.4	0.31	-0.51	4.21
51	64	977.1	-1824.8	676.4	-0.30	-1.75	-6.40
	65	-977.1	6302.9	-676.4	0.30	0.76	1.19
52	64	1789.0	-1119.0	885.4	-0.38	-1.51	-6.47
	65	-1789.0	5597.1	-885.4	0.38	0.57	2.30
53	64	617.3	-2305.9	-124.9	-0.01	-0.92	-6.10
	65	-617.3	6784.1	124.9	0.01	0.56	-0.58
54	64	1120.7	-2012.5	-602.6	0.16	0.04	-5.91
	65	-1120.7	6490.7	602.6	-0.16	0.20	-0.98
55	64	2655.1	-846.8	-916.1	0.27	1.44	-5.76
	65	-2655.1	5324.9	916.1	-0.27	-0.45	-0.14
56	64	3467.0	-141.0	-707.1	0.19	1.68	-5.83
	65	-3467.0	4619.1	707.1	-0.19	-0.64	0.97
57	64	3323.4	46.8	571.9	-0.27	-0.11	-6.32
	65	-3323.4	4431.3	-571.9	0.27	-0.08	3.14
58	64	3826.8	340.2	94.2	-0.10	0.85	-6.13
	65	-3826.8	4137.9	-94.2	0.10	-0.44	2.74
1	65	3041.3	-9309.3	17.4	-0.22	-0.16	-1.48
	66	-3041.3	15241.2	-17.4	0.22	0.13	-17.70
2	65	5480.0	-18913.4	169.6	-1.15	-0.33	-3.10
	66	-5480.0	28588.3	-169.6	1.15	0.06	-34.00
3	65	36209.1	-23603.3	-5682.5	-1.57	1.99	-0.87
	66	-36209.1	35074.8	6214.9	1.57	7.30	-44.96
4	65	32381.0	-18786.4	-4350.5	-1.14	1.72	-0.62
	66	-32381.0	28461.2	4350.5	1.14	5.08	-36.28
5	65	32571.1	-15760.1	-3391.6	-1.23	1.39	0.28
	66	-32571.1	24087.5	3007.5	1.23	3.61	-31.41
6	65	35946.8	-19381.4	-4345.2	-1.43	1.58	0.17
	66	-35946.8	29056.2	4345.2	1.43	5.20	-38.00

	65	-21113.5	-23201.1	3414.8	-1.15	-1.96	-6.65
	66	21113.5	34672.6	-2882.4	1.15	-2.96	-38.55
8	65	-24941.6	-18384.2	4746.8	-0.72	-2.23	-6.40
	66	24941.6	28059.0	-4746.8	0.72	-5.18	-29.87
9	65	-24751.5	-15357.9	5705.7	-0.80	-2.57	-5.49
	66	24751.5	23685.3	-6089.9	0.80	-6.65	-25.00
10	65	-21375.8	-18979.2	4752.2	-1.01	-2.37	-5.61
	66	21375.8	28654.0	-4752.2	1.01	-5.05	-31.59
11	65	36368.3	-21793.8	-6627.5	-1.25	2.30	-0.51
	66	-36368.3	32591.5	7514.8	1.25	8.74	-41.97
12	65	-20954.2	-21391.6	2469.8	-0.82	-1.65	-6.28
	66	20954.2	32189.3	-1582.5	0.82	-1.52	-35.56
13	65	29988.2	-13765.5	-4407.5	-0.53	1.85	-0.09
	66	-29988.2	21568.9	4407.5	0.53	5.04	-27.51
14	65	-27334.4	-13363.3	4689.8	-0.10	-2.10	-5.87
	66	27334.4	21166.7	-4689.8	0.10	-5.22	-21.10
15	65	30305.0	-8721.7	-2809.3	-0.67	1.30	1.42
	66	-30305.0	14279.3	2169.1	0.67	2.59	-19.39
16	65	-27017.5	-8319.5	6288.0	-0.24	-2.66	-4.36
	66	27017.5	13877.1	-6928.2	0.24	-7.67	-12.98
17	65	35931.2	-14757.2	-4398.6	-1.01	1.63	1.23
	66	-35931.2	22560.6	4398.6	1.01	5.25	-30.38
18	65	-21391.4	-14355.0	4698.7	-0.59	-2.33	-4.54
	66	21391.4	22158.4	-4698.7	0.59	-5.01	-23.97
19	65	54097.3	-18935.3	-8791.0	-1.25	3.39	1.86
	66	-54097.3	28535.3	9323.4	1.25	10.75	-38.94
20	65	-41440.3	-18265.0	6371.2	-0.54	-3.19	-7.77
	66	41440.3	27865.0	-5838.8	0.54	-6.34	-28.26
21	65	50269.2	-14118.4	-7459.0	-0.82	3.12	2.11
	66	-50269.2	21921.7	7459.0	0.82	8.53	-30.26
22	65	-45268.4	-13448.1	7703.2	-0.11	-3.47	-7.52
	66	45268.4	21251.4	-7703.2	0.11	-8.57	-19.58
23	65	50459.3	-11092.1	-6500.1	-0.90	2.79	3.02
	66	-50459.3	17548.0	6116.0	0.90	7.06	-25.39
24	65	-45078.3	-10421.8	8662.1	-0.20	-3.80	-6.61
	66	45078.3	16877.7	-9046.2	0.20	-10.03	-14.71
25	65	53835.0	-14713.4	-7453.6	-1.11	2.99	2.91
	66	-53835.0	22516.7	7453.6	1.11	8.66	-31.98
26	65	-41702.6	-14043.1	7708.6	-0.40	-3.60	-6.72
	66	41702.6	21846.4	-7708.6	0.40	-8.44	-21.31
27	65	3156.1	-14583.1	2993.1	-1.40	-1.25	-2.30
	66	-3156.1	21553.6	-2993.1	1.40	-3.63	-27.32
28	65	2535.6	-13637.7	2207.5	-1.29	-1.04	-3.60
	66	-2535.6	20608.2	-2207.5	1.29	-2.47	-24.54
29	65	4567.3	-15148.2	2168.9	-1.13	-0.86	-0.23
	66	-4567.3	22118.8	-2168.9	1.13	-2.81	-29.28
30	65	4122.1	-13111.7	-632.5	-0.61	0.04	-1.94
	66	-4122.1	20082.3	632.5	0.61	0.98	-23.57
31	65	5119.5	-13046.7	-1980.4	-0.27	0.58	-0.74
	66	-5119.5	20017.2	1980.4	0.27	2.58	-23.68
32	65	4499.0	-12101.3	-2766.0	-0.16	0.79	-2.04
	66	-4499.0	19071.9	2766.0	0.16	3.74	-20.91
33	65	2498.8	-11997.0	-449.7	-0.77	-0.15	-4.58
	66	-2498.8	18967.6	449.7	0.77	1.05	-20.03
34	65	3087.8	-11536.1	-1941.8	-0.43	0.40	-4.11
	66	-3087.8	18506.7	1941.8	0.43	2.91	-18.94

	65	3014.7	-10140.8	62.8	-0.47	-0.17	-1.63
	66	-3014.7	15863.7	-62.8	0.47	0.08	-18.68
36	65	3580.4	-9932.0	-856.8	-0.30	0.11	-1.54
	66	-3580.4	15605.0	1211.7	0.30	1.50	-18.41
37	65	1028.3	-6720.7	31.2	-0.01	-0.07	-1.37
	66	-1028.3	11195.9	-31.2	0.01	0.02	-12.62
38	65	1155.0	-4703.1	670.5	-0.07	-0.29	-0.76
	66	-1155.0	8280.1	-926.6	0.07	-0.96	-9.38
39	65	3405.5	-7117.3	34.8	-0.20	-0.16	-0.84
	66	-3405.5	11592.6	-34.8	0.20	0.11	-13.77
40	65	21309.3	-7073.5	-3020.3	-0.30	1.20	0.83
	66	-21309.3	11548.8	3020.3	0.30	3.52	-15.38
41	65	-16905.7	-6805.4	3044.6	-0.02	-1.43	-3.02
	66	16905.7	11280.6	-3044.6	0.02	-3.32	-11.11
42	65	3827.6	-13342.2	113.6	-0.78	-0.23	-2.17
	66	-3827.6	20312.7	-113.6	0.78	0.05	-24.11
43	65	3177.4	-14609.7	2916.5	-1.36	-1.19	-2.29
	66	-3177.4	21580.2	-2916.5	1.36	-3.56	-27.43
44	65	2579.3	-13622.7	2102.9	-1.26	-0.99	-3.65
	66	-2579.3	20593.3	-2102.9	1.26	-2.36	-24.53
45	65	4539.7	-15219.3	2188.5	-1.11	-0.82	-0.15
	66	-4539.7	22189.8	-2188.5	1.11	-2.85	-29.49
46	65	5109.2	-14754.9	750.7	-0.79	-0.30	0.33
	66	-5109.2	21725.4	-750.7	0.79	-1.04	-28.37
47	65	5075.8	-13061.7	-1875.8	-0.30	0.53	-0.69
	66	-5075.8	20032.2	1875.8	0.30	2.47	-23.69
48	65	4477.7	-12074.7	-2689.4	-0.20	0.73	-2.05
	66	-4477.7	19045.3	2689.4	0.20	3.67	-20.80
49	65	2545.9	-11929.5	-523.6	-0.77	-0.16	-4.67
	66	-2545.9	18900.1	523.6	0.77	1.14	-19.85
50	65	3115.4	-11465.1	-1961.4	-0.45	0.35	-4.19
	66	-3115.4	18435.7	1961.4	0.45	2.95	-18.73
51	65	1671.7	-7968.7	2296.6	-0.63	-0.90	-1.19
	66	-1671.7	12443.9	-2296.6	0.63	-2.85	-15.93
52	65	1188.3	-7173.6	1640.1	-0.55	-0.74	-2.29
	66	-1188.3	11648.8	-1640.1	0.55	-1.88	-13.60
53	65	2776.0	-8454.1	1693.1	-0.42	-0.59	0.53
	66	-2776.0	12929.4	-1693.1	0.42	-2.25	-17.58
54	65	3239.1	-8075.1	519.4	-0.17	-0.17	0.92
	66	-3239.1	12550.4	-519.4	0.17	-0.77	-16.67
55	65	3215.3	-6705.3	-1615.8	0.23	0.50	0.10
	66	-3215.3	11180.6	1615.8	-0.23	2.08	-12.89
56	65	2731.8	-5910.2	-2272.3	0.31	0.66	-0.99
	66	-2731.8	10385.5	2272.3	-0.31	3.04	-10.56
57	65	1164.5	-5803.8	-495.1	-0.15	-0.06	-3.11
	66	-1164.5	10279.0	495.1	0.15	0.97	-9.81
58	65	1627.6	-5424.8	-1668.8	0.11	0.36	-2.72
	66	-1627.6	9900.0	1668.8	-0.11	2.45	-8.90
1	66	3471.3	16583.2	51.4	0.29	-0.17	18.84
	67	-3471.3	-10651.4	-51.4	-0.29	0.09	2.43
2	66	6454.6	31334.9	-46.4	1.22	-0.07	36.54
	67	-6454.6	-21660.0	46.4	-1.22	0.14	4.85
3	66	26511.8	33386.6	6540.7	1.49	-6.21	34.50
	67	-26511.8	-21915.2	-6008.3	-1.49	-3.59	8.70
4	66	23775.9	26785.1	4502.7	1.09	-3.98	27.22

	67	-23775.9	-17110.3	-4502.7	-1.09	-3.05	7.07
5	66	22763.8	21273.6	3321.6	1.32	-2.90	20.05
	67	-22763.8	-12946.2	-3705.7	-1.32	-2.59	6.67
6	66	25057.3	26124.9	4756.3	1.46	-4.36	25.29
	67	-25057.3	-16450.1	-4756.3	-1.46	-3.07	7.96
7	66	-9329.4	43143.8	-2945.6	1.16	2.26	55.12
	67	9329.4	-31672.3	3478.0	-1.16	2.75	3.31
8	66	-12065.3	36542.2	-4983.6	0.76	4.49	47.84
	67	12065.3	-26867.4	4983.6	-0.76	3.29	1.68
9	66	-13077.5	31030.7	-6164.7	0.99	5.58	40.68
	67	13077.5	-22703.3	5780.5	-0.99	3.75	1.29
10	66	-10783.9	35882.0	-4729.9	1.13	4.11	45.91
	67	10783.9	-26207.2	4729.9	-1.13	3.27	2.58
11	66	26444.6	30631.0	7818.9	1.10	-7.53	31.15
	67	-26444.6	-19833.3	-6931.5	-1.10	-3.99	8.26
12	66	-9396.7	40388.2	-1667.4	0.76	0.94	51.78
	67	9396.7	-29590.5	2554.7	-0.76	2.35	2.88
13	66	21884.7	19628.5	4422.2	0.44	-3.82	19.02
	67	-21884.7	-11825.1	-4422.2	-0.44	-3.09	5.54
14	66	-13956.5	29385.6	-5064.0	0.10	4.66	39.65
	67	13956.5	-21582.3	5064.0	-0.10	3.25	0.16
15	66	20197.8	10442.6	2453.7	0.82	-2.01	7.09
	67	-20197.8	-4885.0	-3093.9	-0.82	-2.32	4.88
16	66	-15643.5	20199.7	-7032.5	0.49	6.47	27.71
	67	15643.5	-14642.1	6392.3	-0.49	4.02	-0.50
17	66	24020.4	18528.1	4844.9	1.05	-4.45	15.82
	67	-24020.4	-10724.8	-4844.9	-1.05	-3.12	7.03
18	66	-11820.9	28285.2	-4641.3	0.71	4.03	36.44
	67	11820.9	-20481.9	4641.3	-0.71	3.22	1.65
19	66	36967.3	22758.5	9751.6	1.14	-9.09	18.77
	67	-36967.3	-13158.5	-9219.2	-1.14	-5.73	9.28
20	66	-22768.1	39020.3	-6058.8	0.58	5.04	53.14
	67	22768.1	-29420.4	6591.2	-0.58	4.84	0.31
21	66	34231.4	16156.9	7713.7	0.74	-6.86	11.49
	67	-34231.4	-8353.6	-7713.7	-0.74	-5.19	7.65
22	66	-25504.1	32418.8	-8096.7	0.19	7.27	45.86
	67	25504.1	-24615.4	8096.7	-0.19	5.38	-1.32
23	66	33219.2	10645.4	6532.5	0.97	-5.78	4.33
	67	-33219.2	-4189.5	-6916.7	-0.97	-4.73	7.26
24	66	-26516.2	26907.3	-9277.9	0.42	8.35	38.70
	67	26516.2	-20451.4	8893.7	-0.42	5.84	-1.71
25	66	35512.8	15496.7	7967.3	1.11	-7.24	9.57
	67	-35512.8	-7693.3	-7967.3	-1.11	-5.20	8.54
26	66	-24222.7	31758.6	-7843.1	0.55	6.89	43.94
	67	24222.7	-23955.2	7843.1	-0.55	5.36	-0.43
27	66	2737.4	22472.6	-2077.7	1.54	2.16	26.22
	67	-2737.4	-15502.0	2077.7	-1.54	1.12	3.26
28	66	4031.0	23818.6	-2753.2	1.46	3.11	29.73
	67	-4031.0	-16848.0	2753.2	-1.46	1.27	1.85
29	66	2025.4	20289.9	378.6	1.16	-0.82	20.70
	67	-2025.4	-13319.3	-378.6	-1.16	0.18	5.50
30	66	4864.6	22008.3	682.7	0.61	-0.85	25.33
	67	-4864.6	-15037.7	-682.7	-0.61	-0.23	3.66
31	66	5015.0	20722.9	2688.7	0.18	-3.21	22.15
	67	-5015.0	-13752.3	-2688.7	-0.18	-1.07	4.96
32	66	6308.6	22068.9	2013.2	0.09	-2.26	25.66

	67	-6308.6	-15098.3	-2013.2	-0.09	-0.92	3.55
33	66	6337.3	24776.5	-1873.0	0.88	2.33	32.40
	67	-6337.3	-17805.9	1873.0	-0.88	0.68	0.79
34	66	7020.6	24251.6	-443.1	0.47	0.72	31.18
	67	-7020.6	-17281.0	443.1	-0.47	0.02	1.30
35	66	3528.5	17353.5	0.3	0.51	-0.08	20.04
	67	-3528.5	-11630.6	-0.3	-0.51	0.08	2.60
36	66	3958.5	17056.5	1262.2	0.27	-1.39	19.65
	67	-3958.5	-11383.5	-907.3	-0.27	-0.31	2.56
37	66	2134.6	12655.5	-96.4	0.01	0.10	14.80
	67	-2134.6	-8180.2	96.4	-0.01	0.05	1.48
38	66	1459.8	8981.1	-883.8	0.16	0.82	10.02
	67	-1459.8	-5404.2	627.8	-0.16	0.36	1.21
39	66	2988.8	12215.3	72.6	0.25	-0.15	13.51
	67	-2988.8	-7740.1	-72.6	-0.25	0.04	2.07
40	66	14481.2	9183.9	3195.0	0.31	-2.94	7.27
	67	-14481.2	-4708.7	-3195.0	-0.31	-2.05	3.58
41	66	-9413.0	15688.7	-3129.2	0.09	2.71	21.01
	67	9413.0	-11213.4	3129.2	-0.09	2.18	-0.00
42	66	4523.0	22270.7	-32.3	0.82	-0.05	25.94
	67	-4523.0	-15300.2	32.3	-0.82	0.10	3.40
43	66	2727.5	22455.8	-1965.3	1.51	2.03	26.23
	67	-2727.5	-15485.2	1965.3	-1.51	1.07	3.26
44	66	4076.6	23858.7	-2657.7	1.43	3.00	29.88
	67	-4076.6	-16888.1	2657.7	-1.43	1.21	1.79
45	66	1938.2	20198.6	437.9	1.15	-0.90	20.48
	67	-1938.2	-13228.0	-437.9	-1.15	0.17	5.59
46	66	2610.8	19666.6	1805.4	0.75	-2.44	19.21
	67	-2610.8	-12696.1	-1805.4	-0.75	-0.46	6.11
47	66	4969.4	20682.8	2593.1	0.20	-3.10	22.00
	67	-4969.4	-13712.2	-2593.1	-0.20	-1.02	5.01
48	66	6318.5	22085.6	1900.8	0.12	-2.13	25.65
	67	-6318.5	-15115.1	-1900.8	-0.12	-0.87	3.54
49	66	6435.2	24874.8	-1869.9	0.88	2.34	32.67
	67	-6435.2	-17904.2	1869.9	-0.88	0.65	0.69
50	66	7107.7	24342.9	-502.4	0.49	0.80	31.40
	67	-7107.7	-17372.3	502.4	-0.49	0.03	1.22
51	66	1081.8	12584.6	-1542.2	0.77	1.58	14.37
	67	-1081.8	-8109.3	1542.2	-0.77	0.86	3.09
52	66	2166.9	13713.6	-2098.4	0.70	2.36	17.32
	67	-2166.9	-9238.3	2098.4	-0.70	0.97	1.91
53	66	452.7	10768.5	404.0	0.47	-0.80	9.74
	67	-452.7	-6293.2	-404.0	-0.47	0.12	3.97
54	66	998.5	10340.8	1515.9	0.15	-2.05	8.72
	67	-998.5	-5865.5	-1515.9	-0.15	-0.39	3.55
55	66	2901.3	11159.0	2164.3	-0.30	-2.59	10.96
	67	-2901.3	-6683.7	-2164.3	0.30	-0.84	1.67
56	66	3986.4	12288.0	1608.0	-0.37	-1.81	13.91
	67	-3986.4	-7812.7	-1608.0	0.37	-0.72	0.49
57	66	4069.7	14531.8	-1450.1	0.25	1.81	19.56
	67	-4069.7	-10056.5	1450.1	-0.25	0.52	0.03
58	66	4615.5	14104.1	-338.1	-0.07	0.56	18.54
	67	-4615.5	-9628.8	338.1	0.07	0.01	-0.39
1	67	3497.7	8605.6	108.4	0.13	-0.00	-2.41
	68	-3497.7	-2669.9	-108.4	-0.13	-0.17	11.22

	67	6501.9	15863.9	117.5	0.40	0.04	-4.81
	68	-6501.9	-6182.9	-117.5	-0.40	-0.23	22.04
3	67	26047.2	15926.5	-690.6	0.42	3.06	-8.84
	68	-26047.2	-4447.8	1223.3	-0.42	-1.56	24.76
4	67	23325.8	12826.9	-1479.0	0.32	2.59	-7.19
	68	-23325.8	-3145.9	1479.0	-0.32	-0.28	19.67
5	67	22323.9	9910.5	-1978.1	0.54	2.12	-6.79
	68	-22323.9	-1577.8	1593.7	-0.54	0.67	15.77
6	67	24613.8	12162.5	-1466.1	0.52	2.57	-8.09
	68	-24613.8	-2481.4	1466.1	-0.52	-0.28	19.53
7	67	-8799.3	22682.0	2418.5	0.27	-1.92	-3.13
	68	8799.3	-11203.2	-1885.8	-0.27	-1.44	29.61
8	67	-11520.8	19582.3	1630.1	0.17	-2.39	-1.48
	68	11520.8	-9901.3	-1630.1	-0.17	-0.15	24.52
9	67	-12522.6	16666.0	1131.0	0.39	-2.86	-1.08
	68	12522.6	-8333.3	-1515.3	-0.39	0.79	20.62
10	67	-10232.7	18917.9	1643.0	0.37	-2.41	-2.38
	68	10232.7	-9236.9	-1643.0	-0.37	-0.16	24.38
11	67	25959.8	14591.0	-197.5	0.24	3.38	-8.42
	68	-25959.8	-3786.4	1085.4	-0.24	-2.38	22.78
12	67	-8886.7	21346.4	2911.6	0.09	-1.60	-2.71
	68	8886.7	-10541.8	-2023.7	-0.09	-2.26	27.63
13	67	21424.1	9424.9	-1511.6	0.07	2.60	-5.67
	68	-21424.1	-1616.6	1511.6	-0.07	-0.24	14.29
14	67	-13422.5	16180.4	1597.5	-0.08	-2.38	0.04
	68	13422.5	-8372.0	-1597.5	0.08	-0.12	19.14
15	67	19754.2	4564.3	-2343.3	0.44	1.82	-5.01
	68	-19754.2	996.9	1702.7	-0.44	1.34	7.80
16	67	-15092.3	11319.7	765.7	0.29	-3.16	0.70
	68	15092.3	-5758.6	-1406.4	-0.29	1.46	12.64
17	67	23570.8	8317.5	-1490.0	0.41	2.57	-7.17
	68	-23570.8	-509.1	1490.0	-0.41	-0.24	14.07
18	67	-11275.7	15072.9	1619.1	0.26	-2.41	-1.46
	68	11275.7	-7264.6	-1619.1	-0.26	-0.12	18.92
19	67	36160.6	10045.6	-1731.5	0.33	4.70	-9.54
	68	-36160.6	-439.5	2264.2	-0.33	-1.57	17.73
20	67	-21916.9	21304.6	3450.3	0.08	-3.61	-0.02
	68	21916.9	-11698.5	-2917.6	-0.08	-1.37	25.81
21	67	33439.2	6946.0	-2520.0	0.23	4.23	-7.89
	68	-33439.2	862.4	2520.0	-0.23	-0.29	12.64
22	67	-24638.4	18205.0	2661.9	-0.02	-4.08	1.63
	68	24638.4	-10396.7	-2661.9	0.02	-0.08	20.72
23	67	32437.3	4029.6	-3019.0	0.45	3.76	-7.49
	68	-32437.3	2430.5	2634.7	-0.45	0.66	8.74
24	67	-25640.2	15288.6	2162.8	0.20	-4.54	2.02
	68	25640.2	-8828.6	-2547.2	-0.20	0.86	16.83
25	67	34727.2	6281.5	-2507.0	0.43	4.21	-8.79
	68	-34727.2	1526.9	2507.0	-0.43	-0.29	12.51
26	67	-23350.3	17540.5	2674.8	0.18	-4.09	0.73
	68	23350.3	-9732.2	-2674.8	-0.18	-0.09	20.59
27	67	3301.5	11411.4	-668.9	0.72	-0.91	-3.23
	68	-3301.5	-4436.4	668.9	-0.72	1.85	15.83
28	67	4009.4	12639.5	-492.5	0.66	-1.06	-1.80
	68	-4009.4	-5664.5	492.5	-0.66	1.59	16.32
29	67	3107.0	9478.4	-409.4	0.49	-0.03	-5.51
	68	-3107.0	-2503.3	409.4	-0.49	0.83	14.93

	67	4827.9	11096.3	283.5	0.14	0.34	-3.63
	68	-4827.9	-4121.3	-283.5	-0.14	-0.73	15.46
31	67	5105.3	9982.0	660.7	-0.12	1.13	-4.95
	68	-5105.3	-3007.0	-660.7	0.12	-1.92	14.89
32	67	5813.2	11210.1	837.1	-0.18	0.98	-3.52
	68	-5813.2	-4235.1	-837.1	0.18	-2.18	15.38
33	67	5466.6	13572.0	178.7	0.30	-0.52	-0.73
	68	-5466.6	-6597.0	-178.7	-0.30	-0.03	16.56
34	67	6007.7	13143.2	577.5	0.05	0.10	-1.24
	68	-6007.7	-6168.1	-577.5	-0.05	-1.16	16.28
35	67	3555.9	8891.3	81.0	0.18	0.02	-2.58
	68	-3555.9	-3164.8	-81.0	-0.18	-0.15	12.00
36	67	3969.2	8765.5	575.7	0.04	0.35	-2.56
	68	-3969.2	-3088.8	-220.5	-0.04	-0.98	11.82
37	67	2154.9	6699.0	50.0	-0.02	0.04	-1.46
	68	-2154.9	-2220.9	-50.0	0.02	-0.12	8.43
38	67	1487.0	4754.8	-282.7	0.12	-0.27	-1.19
	68	-1487.0	-1175.5	26.4	-0.12	0.51	5.83
39	67	3013.6	6256.1	58.7	0.11	0.03	-2.06
	68	-3013.6	-1777.9	-58.7	-0.11	-0.12	8.34
40	67	14170.0	4220.1	-958.4	0.13	1.66	-3.68
	68	-14170.0	258.0	958.4	-0.13	-0.17	6.78
41	67	-9061.0	8723.7	1114.4	0.03	-1.66	0.13
	68	9061.0	-4245.6	-1114.4	-0.03	-0.08	10.01
42	67	4557.3	11310.8	84.1	0.27	0.04	-3.38
	68	-4557.3	-4335.7	-84.1	-0.27	-0.17	15.60
43	67	3317.3	11411.3	-598.5	0.70	-0.87	-3.24
	68	-3317.3	-4436.3	598.5	-0.70	1.73	15.78
44	67	4056.9	12690.0	-436.1	0.64	-1.00	-1.74
	68	-4056.9	-5715.0	436.1	-0.64	1.49	16.29
45	67	3063.7	9401.4	-367.0	0.48	-0.03	-5.60
	68	-3063.7	-2426.4	367.0	-0.48	0.76	14.89
46	67	3585.8	8957.5	-6.1	0.24	0.56	-6.13
	68	-3585.8	-1982.5	6.1	-0.24	-0.30	14.63
47	67	5057.8	9931.5	604.3	-0.11	1.08	-5.01
	68	-5057.8	-2956.5	-604.3	0.11	-1.82	14.92
48	67	5797.4	11210.2	766.7	-0.16	0.94	-3.52
	68	-5797.4	-4235.2	-766.7	0.16	-2.06	15.43
49	67	5528.9	13664.0	174.3	0.30	-0.49	-0.62
	68	-5528.9	-6689.0	-174.3	-0.30	-0.03	16.58
50	67	6051.0	13220.1	535.1	0.06	0.10	-1.15
	68	-6051.0	-6245.1	-535.1	-0.06	-1.09	16.32
51	67	1550.1	6554.5	-477.6	0.43	-0.73	-1.66
	68	-1550.1	-2076.4	477.6	-0.43	1.42	8.53
52	67	2144.3	7584.2	-345.5	0.39	-0.84	-0.46
	68	-2144.3	-3106.1	345.5	-0.39	1.22	8.94
53	67	1352.0	4935.0	-289.1	0.26	-0.05	-3.57
	68	-1352.0	-456.8	289.1	-0.26	0.63	7.81
54	67	1776.4	4576.5	4.6	0.06	0.43	-4.00
	68	-1776.4	-98.3	-4.6	-0.06	-0.24	7.61
55	67	2964.8	5359.5	501.5	-0.22	0.85	-3.10
	68	-2964.8	-881.4	-501.5	0.22	-1.47	7.84
56	67	3559.0	6389.2	633.6	-0.27	0.74	-1.89
	68	-3559.0	-1911.1	-633.6	0.27	-1.67	8.25
57	67	3332.6	8367.3	151.4	0.11	-0.42	0.44
	68	-3332.6	-3889.2	-151.4	-0.11	-0.02	9.18

	67	3757.1	8008.8	445.1	-0.09	0.05	0.01
	68	-3757.1	-3530.7	-445.1	0.09	-0.88	8.97
1	68	3497.3	624.0	149.7	-0.04	0.16	-11.22
	69	-3497.3	5311.7	-149.7	0.04	-0.40	7.56
2	68	6496.4	383.7	281.1	-0.40	0.23	-22.04
	69	-6496.4	9297.3	-281.1	0.40	-0.67	15.08
3	68	25502.1	-3776.8	1272.7	-0.70	1.08	-24.88
	69	-25502.1	15255.6	-739.9	0.70	-2.66	10.01
4	68	22766.7	-3317.2	1520.4	-0.50	-0.22	-19.80
	69	-22766.7	12998.2	-1520.4	0.50	-2.15	7.05
5	68	21750.5	-3644.7	1832.8	-0.24	-1.26	-15.92
	69	-21750.5	11977.4	-2217.1	0.24	-1.91	3.71
6	68	24059.8	-4035.4	1552.2	-0.43	-0.26	-19.67
	69	-24059.8	13716.4	-1552.2	0.43	-2.16	5.80
7	68	-8234.1	4391.2	-1330.0	-0.62	2.04	-29.46
	69	8234.1	7087.6	1862.7	0.62	0.45	27.35
8	68	-10969.5	4850.7	-1082.3	-0.42	0.74	-24.38
	69	10969.5	4830.3	1082.3	0.42	0.95	24.39
9	68	-11985.8	4523.3	-769.9	-0.16	-0.29	-20.50
	69	11985.8	3809.4	385.5	0.16	1.20	21.05
10	68	-9676.4	4132.6	-1050.5	-0.36	0.70	-24.25
	69	9676.4	5548.4	1050.5	0.36	0.94	23.14
11	68	25427.7	-3707.6	1000.5	-0.69	1.94	-22.89
	69	-25427.7	14512.2	-112.6	0.69	-2.81	8.65
12	68	-8308.5	4460.4	-1602.2	-0.62	2.90	-27.47
	69	8308.5	6344.3	2490.1	0.62	0.30	26.00
13	68	20868.7	-2941.7	1413.4	-0.35	-0.24	-14.42
	69	-20868.7	10750.0	-1413.4	0.35	-1.97	3.72
14	68	-12867.5	5226.3	-1189.3	-0.28	0.72	-19.00
	69	12867.5	2582.1	1189.3	0.28	1.14	21.06
15	68	19174.9	-3487.5	1934.0	0.07	-1.96	-7.95
	69	-19174.9	9048.6	-2574.6	-0.07	-1.56	-1.85
16	68	-14561.3	4680.5	-668.7	0.15	-1.00	-12.53
	69	14561.3	880.6	28.0	-0.15	1.54	15.50
17	68	23023.8	-4138.6	1466.4	-0.25	-0.30	-14.20
	69	-23023.8	11947.0	-1466.4	0.25	-1.99	1.63
18	68	-10712.4	4029.3	-1136.3	-0.17	0.66	-18.78
	69	10712.4	3779.0	1136.3	0.17	1.12	18.98
19	68	35248.0	-6379.3	2074.5	-0.54	0.73	-17.95
	69	-35248.0	15985.4	-1541.8	0.54	-3.55	0.47
20	68	-20979.0	7234.0	-2263.2	-0.42	2.33	-25.58
	69	20979.0	2372.1	2796.0	0.42	1.62	29.38
21	68	32512.6	-5919.7	2322.3	-0.34	-0.58	-12.86
	69	-32512.6	13728.1	-2322.3	0.34	-3.05	-2.49
22	68	-23714.4	7693.6	-2015.5	-0.22	1.02	-20.49
	69	23714.4	114.8	2015.5	0.22	2.13	26.42
23	68	31496.4	-6247.2	2634.6	-0.08	-1.61	-8.98
	69	-31496.4	12707.2	-3019.0	0.08	-2.81	-5.83
24	68	-24730.7	7366.1	-1703.1	0.04	-0.01	-16.61
	69	24730.7	-906.1	1318.7	-0.04	2.37	23.08
25	68	33805.7	-6637.9	2354.1	-0.28	-0.62	-12.73
	69	-33805.7	14446.2	-2354.1	0.28	-3.06	-3.74
26	68	-22421.4	6975.4	-1983.7	-0.15	0.99	-20.37
	69	22421.4	832.9	1983.7	0.15	2.11	25.17
27	68	3870.6	-966.5	1213.7	0.00	-1.95	-15.85

	69	-3870.6	7941.5	-1213.7	-0.00	0.22	10.88
28	68	3583.1	215.3	1359.9	-0.04	-1.69	-16.31
	69	-3583.1	6759.8	-1359.9	0.04	-0.01	13.19
29	68	4785.4	-1839.7	277.6	-0.12	-0.85	-14.98
	69	-4785.4	8814.8	-277.6	0.12	0.07	7.25
30	68	4802.8	563.2	-135.0	-0.35	0.77	-15.46
	69	-4802.8	6411.8	135.0	0.35	-0.65	10.29
31	68	5526.0	477.9	-973.8	-0.51	2.04	-14.90
	69	-5526.0	6497.1	973.8	0.51	-0.94	8.20
32	68	5238.5	1659.7	-827.6	-0.55	2.29	-15.36
	69	-5238.5	5315.3	827.6	0.55	-1.16	10.51
33	68	3827.1	2099.5	764.8	-0.27	0.00	-16.52
	69	-3827.1	4875.5	-764.8	0.27	-0.67	14.94
34	68	4323.7	2532.9	108.6	-0.42	1.20	-16.23
	69	-4323.7	4442.1	-108.6	0.42	-1.02	14.14
35	68	3554.8	426.7	149.3	-0.15	0.15	-12.00
	69	-3554.8	5299.9	-149.3	0.15	-0.38	8.19
36	68	3980.3	455.8	-101.0	-0.21	1.02	-11.81
	69	-3980.3	5220.8	456.1	0.21	-0.58	8.09
37	68	2156.7	762.2	64.2	-0.07	0.14	-8.42
	69	-2156.7	3716.0	-64.2	0.07	-0.24	6.11
38	68	1479.2	543.8	272.4	0.10	-0.54	-5.84
	69	-1479.2	3035.4	-528.7	-0.10	-0.08	3.89
39	68	3018.7	283.4	85.4	-0.03	0.12	-8.34
	69	-3018.7	4194.7	-85.4	0.03	-0.25	5.28
40	68	13800.6	-2215.9	973.1	-0.06	-0.19	-6.87
	69	-13800.6	6694.0	-973.1	0.06	-1.33	-0.10
41	68	-8690.2	3229.4	-762.0	-0.01	0.45	-9.92
	69	8690.2	1248.7	762.0	0.01	0.74	11.47
42	68	4554.5	346.6	193.1	-0.27	0.17	-15.60
	69	-4554.5	6628.4	-193.1	0.27	-0.47	10.70
43	68	3907.6	-1013.7	1166.8	-0.01	-1.83	-15.80
	69	-3907.6	7988.8	-1166.8	0.01	0.13	10.88
44	68	3635.6	216.7	1305.5	-0.06	-1.59	-16.28
	69	-3635.6	6758.3	-1305.5	0.06	-0.07	13.29
45	68	4772.9	-1927.7	274.7	-0.13	-0.79	-14.93
	69	-4772.9	8902.7	-274.7	0.13	0.02	7.11
46	68	5242.7	-1480.7	-351.1	-0.27	0.34	-14.67
	69	-5242.7	8455.7	351.1	0.27	-0.28	6.28
47	68	5473.4	476.4	-919.4	-0.49	1.93	-14.93
	69	-5473.4	6498.6	919.4	0.49	-0.87	8.11
48	68	5201.5	1706.9	-780.6	-0.53	2.17	-15.41
	69	-5201.5	5268.1	780.6	0.53	-1.08	10.51
49	68	3866.4	2173.8	737.3	-0.27	0.01	-16.53
	69	-3866.4	4801.2	-737.3	0.27	-0.66	15.11
50	68	4336.1	2620.9	111.4	-0.41	1.13	-16.28
	69	-4336.1	4354.2	-111.4	0.41	-0.96	14.28
51	68	2027.4	-592.5	899.5	0.18	-1.50	-8.55
	69	-2027.4	5070.6	-899.5	-0.18	0.20	5.84
52	68	1807.1	398.4	1012.5	0.14	-1.31	-8.94
	69	-1807.1	4079.8	-1012.5	-0.14	0.03	7.78
53	68	2730.8	-1325.8	172.3	0.08	-0.66	-7.85
	69	-2730.8	5803.9	-172.3	-0.08	0.11	2.80
54	68	3113.6	-963.5	-338.0	-0.03	0.26	-7.64
	69	-3113.6	5441.6	338.0	0.03	-0.13	2.13
55	68	3303.2	615.2	-801.5	-0.21	1.56	-7.85

	69	-3303.2	3862.9	801.5	0.21	-0.61	3.60
56	68	3083.0	1606.1	-688.5	-0.24	1.76	-8.24
	69	-3083.0	2872.0	688.5	0.24	-0.78	5.53
57	68	1996.7	1977.1	549.0	-0.03	-0.01	-9.14
	69	-1996.7	2501.0	-549.0	0.03	-0.45	9.24
58	68	2379.5	2339.4	38.7	-0.15	0.91	-8.93
	69	-2379.5	2138.7	-38.7	0.15	-0.69	8.57
1	69	3468.1	-7342.0	116.8	-0.22	0.29	-7.59
	70	-3468.1	13273.9	-116.8	0.22	-0.48	-8.52
2	69	6430.2	-15070.4	296.1	-1.26	0.46	-15.12
	70	-6430.2	24745.2	-296.1	1.26	-0.92	-15.98
3	69	24853.2	-21681.1	-4368.8	-1.93	2.14	-10.12
	70	-24853.2	33152.6	4901.2	1.93	5.10	-32.71
4	69	22075.9	-17582.1	-3394.1	-1.40	1.53	-7.19
	70	-22075.9	27257.0	3394.1	1.40	3.77	-27.83
5	69	21029.8	-15285.8	-2390.3	-1.07	1.16	-3.88
	70	-21029.8	23613.2	2006.2	1.07	2.28	-26.50
6	69	23377.5	-18398.8	-3157.7	-1.46	1.51	-5.94
	70	-23377.5	28073.6	3157.7	1.46	3.42	-30.35
7	69	-7636.5	-15776.9	2715.9	-1.58	-0.08	-27.26
	70	7636.5	27248.3	-2183.5	1.58	-3.74	-6.35
8	69	-10413.8	-11677.9	3690.6	-1.05	-0.69	-24.32
	70	10413.8	21352.7	-3690.6	1.05	-5.08	-1.48
9	69	-11460.0	-9381.6	4694.4	-0.72	-1.07	-21.02
	70	11460.0	17708.9	-5078.5	0.72	-6.57	-0.14
10	69	-9112.2	-12494.5	3927.0	-1.11	-0.71	-23.08
	70	9112.2	22169.4	-3927.0	1.11	-5.42	-3.99
11	69	24824.3	-20256.0	-5206.7	-1.74	2.44	-8.73
	70	-24824.3	31053.7	6094.1	1.74	6.39	-31.34
12	69	-7665.4	-14351.8	1878.0	-1.39	0.21	-25.87
	70	7665.4	25149.5	-990.6	1.39	-2.45	-4.98
13	69	20195.4	-13424.4	-3582.3	-0.85	1.42	-3.84
	70	-20195.4	21227.7	3582.3	0.85	4.17	-23.22
14	69	-12294.3	-7520.1	3502.4	-0.50	-0.80	-20.98
	70	12294.3	15323.5	-3502.4	0.50	-4.67	3.14
15	69	18451.9	-9597.1	-1909.3	-0.30	0.79	1.66
	70	-18451.9	15154.7	1269.1	0.30	1.69	-20.99
16	69	-14037.8	-3692.9	5175.4	0.04	-1.43	-15.48
	70	14037.8	9250.5	-5815.7	-0.04	-7.15	5.37
17	69	22364.8	-14785.4	-3188.3	-0.96	1.39	-1.77
	70	-22364.8	22588.8	3188.3	0.96	3.59	-27.42
18	69	-10124.9	-8881.2	3896.5	-0.61	-0.84	-18.91
	70	10124.9	16684.6	-3896.5	0.61	-5.25	-1.06
19	69	34202.1	-19785.0	-6820.0	-1.52	2.80	-0.64
	70	-34202.1	29385.0	7352.4	1.52	8.27	-37.76
20	69	-19947.4	-9944.6	4987.9	-0.95	-0.91	-29.20
	70	19947.4	19544.6	-4455.5	0.95	-6.47	6.17
21	69	31424.8	-15686.0	-5845.3	-0.99	2.19	2.29
	70	-31424.8	23489.4	5845.3	0.99	6.94	-32.89
22	69	-22724.8	-5845.7	5962.6	-0.41	-1.51	-26.27
	70	22724.8	13649.0	-5962.6	0.41	-7.80	11.04
23	69	30378.6	-13389.7	-4841.5	-0.66	1.81	5.60
	70	-30378.6	19845.6	4457.4	0.66	5.45	-31.55
24	69	-23770.9	-3549.3	6966.4	-0.09	-1.89	-22.97
	70	23770.9	10005.2	-7350.5	0.09	-9.29	12.38

	69	32726.4	-16502.6	-5608.9	-1.06	2.17	3.53
	70	-32726.4	24306.0	5608.9	1.06	6.59	-35.41
26	69	-21423.1	-6662.3	6199.0	-0.48	-1.54	-25.03
	70	21423.1	14465.6	-6199.0	0.48	-8.15	8.53
27	69	3884.3	-12102.2	2757.2	-1.03	-0.54	-10.91
	70	-3884.3	19072.7	-2757.2	1.03	-3.95	-15.96
28	69	3240.8	-10806.3	1845.9	-1.08	-0.30	-13.19
	70	-3240.8	17776.8	-1845.9	1.08	-2.67	-11.66
29	69	5297.5	-13015.1	2348.5	-0.83	-0.30	-7.32
	70	-5297.5	19985.6	-2348.5	0.83	-3.58	-19.21
30	69	4792.7	-10341.8	-431.9	-0.79	0.55	-10.33
	70	-4792.7	17312.4	431.9	0.79	0.16	-10.51
31	69	5776.9	-10390.8	-1448.1	-0.63	0.96	-8.26
	70	-5776.9	17361.4	1448.1	0.63	1.39	-10.89
32	69	5133.3	-9094.9	-2359.4	-0.68	1.20	-10.54
	70	-5133.3	16065.5	2359.4	0.68	2.67	-6.59
33	69	3152.4	-8695.4	-689.1	-1.00	0.50	-14.93
	70	-3152.4	15666.0	689.1	1.00	0.70	-4.86
34	69	3720.1	-8182.0	-1950.7	-0.88	0.95	-14.13
	70	-3720.1	15152.6	1950.7	0.88	2.30	-3.34
35	69	3521.5	-8022.4	139.2	-0.50	0.27	-8.21
	70	-3521.5	13745.3	-139.2	0.50	-0.49	-8.79
36	69	3986.2	-7885.4	-668.9	-0.49	0.60	-8.08
	70	-3986.2	13558.4	1023.9	0.49	0.73	-8.67
37	69	2134.7	-5152.7	-19.1	-0.13	0.19	-6.13
	70	-2134.7	9628.0	19.1	0.13	-0.16	-5.42
38	69	1437.3	-3621.8	650.1	0.09	-0.06	-3.92
	70	-1437.3	7198.8	-906.1	-0.09	-1.15	-4.53
39	69	3002.4	-5697.2	138.5	-0.17	0.18	-5.30
	70	-3002.4	10172.4	-138.5	0.17	-0.39	-7.10
40	69	13364.0	-7414.4	-2282.2	-0.27	0.96	0.01
	70	-13364.0	11889.6	2282.2	0.27	2.61	-15.09
41	69	-8295.8	-3478.2	2441.0	-0.04	-0.52	-11.41
	70	8295.8	7953.5	-2441.0	0.04	-3.29	2.49
42	69	4508.8	-10598.5	198.9	-0.85	0.33	-10.73
	70	-4508.8	17569.1	-198.9	0.85	-0.64	-11.27
43	69	3925.3	-12140.1	2666.1	-1.00	-0.46	-10.91
	70	-3925.3	19110.7	-2666.1	1.00	-3.86	-10.88
44	69	3294.6	-10788.7	1719.4	-1.05	-0.23	-13.28
	70	-3294.6	17759.2	-1719.4	1.05	-2.53	-6.40
45	69	5290.2	-13110.7	2375.0	-0.82	-0.25	-7.18
	70	-5290.2	20081.3	-2375.0	0.82	-3.63	-17.96
46	69	5829.5	-12591.2	1178.6	-0.72	0.15	-6.35
	70	-5829.5	19561.8	-1178.6	0.72	-2.10	-19.54
47	69	5723.0	-10408.4	-1321.6	-0.65	0.89	-8.17
	70	-5723.0	17379.0	1321.6	0.65	1.25	-16.15
48	69	5092.4	-9057.0	-2268.3	-0.71	1.12	-10.54
	70	-5092.4	16027.6	2268.3	0.71	2.58	-11.66
49	69	3188.1	-8605.9	-780.8	-0.99	0.50	-15.10
	70	-3188.1	15576.4	780.8	0.99	0.82	-3.01
50	69	3727.4	-8086.4	-1977.1	-0.88	0.91	-14.27
	70	-3727.4	15056.9	1977.1	0.88	2.35	-4.59
51	69	2057.4	-6690.8	2084.9	-0.28	-0.43	-5.86
	70	-2057.4	11166.1	-2084.9	0.28	-2.96	-10.23
52	69	1546.0	-5603.1	1324.1	-0.32	-0.24	-7.77
	70	-1546.0	10078.4	-1324.1	0.32	-1.88	-6.62

	69	3166.8	-7469.3	1834.9	-0.13	-0.25	-2.85
	70	-3166.8	11944.6	-1834.9	0.13	-2.75	-12.96
54	69	3606.2	-7048.9	859.9	-0.05	0.08	-2.18
	70	-3606.2	11524.2	-859.9	0.05	-1.51	-11.68
55	69	3522.2	-5289.5	-1165.3	0.00	0.67	-3.64
	70	-3522.2	9764.7	1165.3	-0.00	1.20	-5.98
56	69	3010.8	-4201.8	-1926.1	-0.04	0.86	-5.55
	70	-3010.8	8677.0	1926.1	0.04	2.28	-2.37
57	69	1462.0	-3843.7	-701.1	-0.27	0.36	-9.22
	70	-1462.0	8319.0	701.1	0.27	0.82	-0.92
58	69	1901.5	-3423.3	-1676.1	-0.18	0.69	-8.56
	70	-1901.5	7898.5	1676.1	0.18	2.07	0.36
1	71	-1372.7	622.5	-0.0	-0.00	0.00	0.00
	82	1372.7	749.8	-0.0	0.00	0.00	0.00
2	71	-2132.8	2850.3	-0.0	-0.00	0.00	0.00
	82	2132.8	3534.5	0.0	0.00	0.00	0.00
3	71	-13861.4	3919.6	256.6	-0.01	0.00	0.00
	82	13861.4	4871.2	320.8	0.01	0.00	0.00
4	71	-14279.8	2850.3	-0.0	-0.00	0.00	0.00
	82	14279.8	3534.5	0.0	0.00	0.00	0.00
5	71	-13633.9	2048.3	-192.5	-0.00	0.00	0.00
	82	13633.9	2532.0	-240.6	0.00	0.00	0.00
6	71	-13333.8	2850.3	-0.0	-0.00	0.00	0.00
	82	13333.8	3534.5	0.0	0.00	0.00	0.00
7	71	9334.7	3919.6	256.6	-0.00	0.00	0.00
	82	-9334.7	4871.2	320.8	0.00	0.00	0.00
8	71	8916.3	2850.3	-0.0	-0.00	0.00	0.00
	82	-8916.3	3534.5	0.0	0.00	0.00	0.00
9	71	9562.2	2048.3	-192.5	-0.00	0.00	0.00
	82	-9562.2	2532.0	-240.6	0.00	0.00	0.00
10	71	9862.3	2850.3	-0.0	-0.00	0.00	0.00
	82	-9862.3	3534.5	0.0	0.00	0.00	0.00
11	71	-13568.4	3518.6	427.7	-0.01	0.00	0.00
	82	13568.4	4369.9	534.7	0.01	0.00	0.00
12	71	9627.7	3518.6	427.7	-0.01	0.00	0.00
	82	-9627.7	4369.9	534.7	0.01	0.00	0.00
13	71	-14265.8	1736.4	-0.0	-0.00	0.00	0.00
	82	14265.8	2142.1	0.0	0.00	0.00	0.00
14	71	8930.3	1736.4	-0.0	-0.00	0.00	0.00
	82	-8930.3	2142.1	0.0	0.00	0.00	0.00
15	71	-13189.3	399.7	-320.8	-0.00	0.00	0.00
	82	13189.3	471.3	-401.0	0.00	0.00	0.00
16	71	10006.9	399.7	-320.8	-0.00	0.00	0.00
	82	-10006.9	471.3	-401.0	0.00	0.00	0.00
17	71	-12689.1	1736.4	-0.0	-0.00	0.00	0.00
	82	12689.1	2142.1	0.0	0.00	0.00	0.00
18	71	10507.0	1736.4	-0.0	-0.00	0.00	0.00
	82	-10507.0	2142.1	0.0	0.00	0.00	0.00
19	71	-21213.4	2805.7	256.6	-0.01	0.00	0.00
	82	21213.4	3478.8	320.8	0.01	0.00	0.00
20	71	17446.8	2805.7	256.6	-0.00	0.00	0.00
	82	-17446.8	3478.8	320.8	0.00	0.00	0.00
21	71	-21631.8	1736.4	-0.0	-0.00	0.00	0.00
	82	21631.8	2142.1	0.0	0.00	0.00	0.00
22	71	17028.4	1736.4	-0.0	-0.00	0.00	0.00

	82	-17028.4	2142.1	0.0	0.00	0.00	0.00
23	71	-20985.9	934.4	-192.5	-0.00	0.00	0.00
	82	20985.9	1139.6	-240.6	0.00	0.00	0.00
24	71	17674.3	934.4	-192.5	-0.00	0.00	0.00
	82	-17674.3	1139.6	-240.6	0.00	0.00	0.00
25	71	-20685.9	1736.4	-0.0	-0.00	0.00	0.00
	82	20685.9	2142.1	0.0	0.00	0.00	0.00
26	71	17974.4	1736.4	-0.0	-0.00	0.00	0.00
	82	-17974.4	2142.1	0.0	0.00	0.00	0.00
27	71	-3890.8	1911.8	-0.0	0.00	0.00	0.00
	82	3890.8	2368.0	0.0	-0.00	0.00	0.00
28	71	-3331.3	1911.8	-0.0	0.00	0.00	0.00
	82	3331.3	2368.0	0.0	-0.00	0.00	0.00
29	71	-3105.4	1911.8	-0.0	-0.01	0.00	0.00
	82	3105.4	2368.0	0.0	0.01	0.00	0.00
30	71	-940.2	1911.8	-0.0	-0.00	0.00	0.00
	82	940.2	2368.0	0.0	0.00	0.00	0.00
31	71	218.3	1911.8	-0.0	-0.01	0.00	0.00
	82	-218.3	2368.0	0.0	0.01	0.00	0.00
32	71	777.8	1911.8	-0.0	-0.01	0.00	0.00
	82	-777.8	2368.0	0.0	0.01	0.00	0.00
33	71	-1240.4	1911.8	-0.0	0.00	0.00	0.00
	82	1240.4	2368.0	0.0	-0.00	0.00	0.00
34	71	-7.7	1911.8	-0.0	0.00	0.00	0.00
	82	7.7	2368.0	0.0	-0.00	0.00	0.00
35	71	-1303.2	1169.2	-0.0	-0.00	0.00	0.00
	82	1303.2	1439.7	0.0	0.00	0.00	0.00
36	71	-1136.9	1139.5	171.1	-0.00	0.00	0.00
	82	1136.9	1402.6	213.9	0.00	0.00	0.00
37	71	-1415.8	426.6	-0.0	-0.00	0.00	0.00
	82	1415.8	511.5	-0.0	0.00	0.00	0.00
38	71	-985.2	-108.0	-128.3	-0.00	0.00	0.00
	82	985.2	-156.8	-160.4	0.00	0.00	0.00
39	71	-785.1	426.6	-0.0	-0.00	0.00	0.00
	82	785.1	511.5	-0.0	0.00	0.00	0.00
40	71	-8781.9	426.6	-0.0	-0.00	0.00	0.00
	82	8781.9	511.5	-0.0	0.00	0.00	0.00
41	71	6682.2	426.6	-0.0	-0.00	0.00	0.00
	82	-6682.2	511.5	-0.0	0.00	0.00	0.00
42	71	-1556.5	1911.8	-0.0	-0.00	0.00	0.00
	82	1556.5	2368.0	0.0	0.00	0.00	0.00
43	71	-3963.7	1911.8	-0.0	0.00	0.00	0.00
	82	3963.7	2368.0	0.0	-0.00	0.00	0.00
44	71	-3394.7	1911.8	-0.0	0.00	0.00	0.00
	82	3394.7	2368.0	0.0	-0.00	0.00	0.00
45	71	-3141.6	1911.8	-0.0	-0.01	0.00	0.00
	82	3141.6	2368.0	0.0	0.01	0.00	0.00
46	71	-1868.0	1911.8	-0.0	-0.01	0.00	0.00
	82	1868.0	2368.0	0.0	0.01	0.00	0.00
47	71	281.7	1911.8	-0.0	-0.01	0.00	0.00
	82	-281.7	2368.0	0.0	0.01	0.00	0.00
48	71	850.7	1911.8	-0.0	-0.01	0.00	0.00
	82	-850.7	2368.0	0.0	0.01	0.00	0.00
49	71	-1245.0	1911.8	-0.0	0.00	0.00	0.00
	82	1245.0	2368.0	0.0	-0.00	0.00	0.00
50	71	28.6	1911.8	-0.0	0.00	0.00	0.00

	82	-28.6	2368.0	0.0	-0.00	0.00	0.00
51	71	-3012.2	426.6	-0.0	0.00	0.00	0.00
	82	3012.2	511.5	-0.0	-0.00	0.00	0.00
52	71	-2545.7	426.6	-0.0	0.00	0.00	0.00
	82	2545.7	511.5	-0.0	-0.00	0.00	0.00
53	71	-2346.1	426.6	-0.0	-0.00	0.00	0.00
	82	2346.1	511.5	-0.0	0.00	0.00	0.00
54	71	-1308.7	426.6	-0.0	-0.01	0.00	0.00
	82	1308.7	511.5	-0.0	0.01	0.00	0.00
55	71	446.0	426.6	-0.0	-0.01	0.00	0.00
	82	-446.0	511.5	-0.0	0.01	0.00	0.00
56	71	912.6	426.6	-0.0	-0.00	0.00	0.00
	82	-912.6	511.5	-0.0	0.00	0.00	0.00
57	71	-791.0	426.6	-0.0	0.00	0.00	0.00
	82	791.0	511.5	-0.0	-0.00	0.00	0.00
58	71	246.5	426.6	-0.0	0.00	0.00	0.00
	82	-246.5	511.5	-0.0	-0.00	0.00	0.00
1	82	-574.2	615.7	-0.0	0.00	0.00	0.00
	83	574.2	615.7	-0.0	-0.00	0.00	0.00
2	82	-847.9	2961.7	-0.0	0.00	0.00	0.00
	83	847.9	2961.7	-0.0	-0.00	0.00	0.00
3	82	-13723.3	4087.7	270.3	0.00	0.00	0.00
	83	13723.3	4087.7	270.3	-0.00	0.00	0.00
4	82	-13833.2	2961.7	-0.0	0.00	0.00	0.00
	83	13833.2	2961.7	-0.0	-0.00	0.00	0.00
5	82	-13671.2	2117.1	-202.7	0.00	0.00	0.00
	83	13671.2	2117.1	-202.7	-0.00	0.00	0.00
6	82	-13552.8	2961.7	-0.0	0.00	0.00	0.00
	83	13552.8	2961.7	-0.0	-0.00	0.00	0.00
7	82	11967.7	4087.7	270.3	0.00	0.00	0.00
	83	-11967.7	4087.7	270.3	-0.00	0.00	0.00
8	82	11857.8	2961.7	-0.0	0.00	0.00	0.00
	83	-11857.8	2961.7	-0.0	-0.00	0.00	0.00
9	82	12019.8	2117.1	-202.7	0.00	0.00	0.00
	83	-12019.8	2117.1	-202.7	-0.00	0.00	0.00
10	82	12138.2	2961.7	-0.0	0.00	0.00	0.00
	83	-12138.2	2961.7	-0.0	-0.00	0.00	0.00
11	82	-13606.3	3665.4	450.4	0.00	0.00	0.00
	83	13606.3	3665.4	450.4	-0.00	0.00	0.00
12	82	12084.7	3665.4	450.4	0.00	0.00	0.00
	83	-12084.7	3665.4	450.4	-0.00	0.00	0.00
13	82	-13789.5	1788.7	-0.0	0.00	0.00	0.00
	83	13789.5	1788.7	-0.0	-0.00	0.00	0.00
14	82	11901.5	1788.7	-0.0	0.00	0.00	0.00
	83	-11901.5	1788.7	-0.0	-0.00	0.00	0.00
15	82	-13519.5	381.1	-337.8	0.00	0.00	0.00
	83	13519.5	381.1	-337.8	-0.00	0.00	0.00
16	82	12171.5	381.1	-337.8	0.00	0.00	0.00
	83	-12171.5	381.1	-337.8	-0.00	0.00	0.00
17	82	-13322.2	1788.7	-0.0	0.00	0.00	0.00
	83	13322.2	1788.7	-0.0	-0.00	0.00	0.00
18	82	12368.8	1788.7	-0.0	-0.00	0.00	0.00
	83	-12368.8	1788.7	-0.0	0.00	0.00	0.00
19	82	-22150.1	2914.7	270.3	0.00	0.00	0.00
	83	22150.1	2914.7	270.3	-0.00	0.00	0.00

	82	20668.2	2914.7	270.3	-0.00	0.00	0.00
	83	-20668.2	2914.7	270.3	0.00	0.00	0.00
21	82	-22260.0	1788.7	-0.0	0.00	0.00	0.00
	83	22260.0	1788.7	-0.0	-0.00	0.00	0.00
22	82	20558.3	1788.7	-0.0	0.00	0.00	0.00
	83	-20558.3	1788.7	-0.0	-0.00	0.00	0.00
23	82	-22098.0	944.2	-202.7	0.00	0.00	0.00
	83	22098.0	944.2	-202.7	-0.00	0.00	0.00
24	82	20720.3	944.2	-202.7	0.00	0.00	0.00
	83	-20720.3	944.2	-202.7	-0.00	0.00	0.00
25	82	-21979.6	1788.7	-0.0	0.00	0.00	0.00
	83	21979.6	1788.7	-0.0	-0.00	0.00	0.00
26	82	20838.7	1788.7	-0.0	-0.00	0.00	0.00
	83	-20838.7	1788.7	-0.0	0.00	0.00	0.00
27	82	-1675.1	1982.6	-0.0	-0.00	0.00	0.00
	83	1675.1	1982.6	-0.0	0.00	0.00	0.00
28	82	-1329.7	1982.6	-0.0	0.00	0.00	0.00
	83	1329.7	1982.6	-0.0	-0.00	0.00	0.00
29	82	-1460.3	1982.6	-0.0	-0.00	0.00	0.00
	83	1460.3	1982.6	-0.0	0.00	0.00	0.00
30	82	-355.1	1982.6	-0.0	0.00	0.00	0.00
	83	355.1	1982.6	-0.0	-0.00	0.00	0.00
31	82	90.0	1982.6	-0.0	0.00	0.00	0.00
	83	-90.0	1982.6	-0.0	-0.00	0.00	0.00
32	82	435.4	1982.6	-0.0	0.00	0.00	0.00
	83	-435.4	1982.6	-0.0	-0.00	0.00	0.00
33	82	-309.0	1982.6	-0.0	0.00	0.00	0.00
	83	309.0	1982.6	-0.0	-0.00	0.00	0.00
34	82	220.5	1982.6	-0.0	0.00	0.00	0.00
	83	-220.5	1982.6	-0.0	-0.00	0.00	0.00
35	82	-528.6	1200.6	-0.0	0.00	0.00	0.00
	83	528.6	1200.6	-0.0	-0.00	0.00	0.00
36	82	-457.3	1169.3	180.2	0.00	0.00	0.00
	83	457.3	1169.3	180.2	-0.00	0.00	0.00
37	82	-530.6	418.6	-0.0	0.00	0.00	0.00
	83	530.6	418.6	-0.0	-0.00	0.00	0.00
38	82	-422.6	-144.4	-135.1	0.00	0.00	0.00
	83	422.6	-144.4	-135.1	-0.00	0.00	0.00
39	82	-343.7	418.6	-0.0	0.00	0.00	0.00
	83	343.7	418.6	-0.0	-0.00	0.00	0.00
40	82	-9001.1	418.6	-0.0	0.00	0.00	0.00
	83	9001.1	418.6	-0.0	-0.00	0.00	0.00
41	82	8126.2	418.6	-0.0	0.00	0.00	0.00
	83	-8126.2	418.6	-0.0	-0.00	0.00	0.00
42	82	-619.9	1982.6	-0.0	0.00	0.00	0.00
	83	619.9	1982.6	-0.0	-0.00	0.00	0.00
43	82	-1704.0	1982.6	-0.0	-0.00	0.00	0.00
	83	1704.0	1982.6	-0.0	0.00	0.00	0.00
44	82	-1354.2	1982.6	-0.0	0.00	0.00	0.00
	83	1354.2	1982.6	-0.0	-0.00	0.00	0.00
45	82	-1475.7	1982.6	-0.0	-0.00	0.00	0.00
	83	1475.7	1982.6	-0.0	0.00	0.00	0.00
46	82	-930.1	1982.6	-0.0	-0.00	0.00	0.00
	83	930.1	1982.6	-0.0	0.00	0.00	0.00
47	82	114.5	1982.6	-0.0	0.00	0.00	0.00
	83	-114.5	1982.6	-0.0	-0.00	0.00	0.00

	82	464.3	1982.6	-0.0	0.00	0.00	0.00
	83	-464.3	1982.6	-0.0	-0.00	0.00	0.00
49	82	-309.6	1982.6	-0.0	0.00	0.00	0.00
	83	309.6	1982.6	-0.0	-0.00	0.00	0.00
50	82	235.9	1982.6	-0.0	0.00	0.00	0.00
	83	-235.9	1982.6	-0.0	-0.00	0.00	0.00
51	82	-1322.5	418.6	-0.0	-0.00	0.00	0.00
	83	1322.5	418.6	-0.0	0.00	0.00	0.00
52	82	-1036.6	418.6	-0.0	0.00	0.00	0.00
	83	1036.6	418.6	-0.0	-0.00	0.00	0.00
53	82	-1136.6	418.6	-0.0	-0.00	0.00	0.00
	83	1136.6	418.6	-0.0	0.00	0.00	0.00
54	82	-691.3	418.6	-0.0	-0.00	0.00	0.00
	83	691.3	418.6	-0.0	0.00	0.00	0.00
55	82	161.7	418.6	-0.0	0.00	0.00	0.00
	83	-161.7	418.6	-0.0	-0.00	0.00	0.00
56	82	447.7	418.6	-0.0	0.00	0.00	0.00
	83	-447.7	418.6	-0.0	-0.00	0.00	0.00
57	82	-183.5	418.6	-0.0	0.00	0.00	0.00
	83	183.5	418.6	-0.0	-0.00	0.00	0.00
58	82	261.8	418.6	-0.0	0.00	0.00	0.00
	83	-261.8	418.6	-0.0	-0.00	0.00	0.00
1	83	-538.7	616.1	-0.0	0.00	0.00	0.00
	84	538.7	616.1	-0.0	-0.00	0.00	0.00
2	83	-793.3	2963.5	-0.0	0.00	0.00	0.00
	84	793.3	2963.5	-0.0	-0.00	0.00	0.00
3	83	-13758.8	4090.3	270.4	0.00	0.00	0.00
	84	13758.8	4090.3	270.4	-0.00	0.00	0.00
4	83	-13865.8	2963.5	-0.0	0.00	0.00	0.00
	84	13865.8	2963.5	-0.0	-0.00	0.00	0.00
5	83	-13711.3	2118.5	-202.8	0.00	0.00	0.00
	84	13711.3	2118.5	-202.8	-0.00	0.00	0.00
6	83	-13596.5	2963.5	-0.0	0.00	0.00	0.00
	84	13596.5	2963.5	-0.0	-0.00	0.00	0.00
7	83	12118.0	4090.3	270.4	0.00	0.00	0.00
	84	-12118.0	4090.3	270.4	-0.00	0.00	0.00
8	83	12011.0	2963.5	-0.0	0.00	0.00	0.00
	84	-12011.0	2963.5	-0.0	-0.00	0.00	0.00
9	83	12165.4	2118.5	-202.8	0.00	0.00	0.00
	84	-12165.4	2118.5	-202.8	-0.00	0.00	0.00
10	83	12280.3	2963.5	-0.0	0.00	0.00	0.00
	84	-12280.3	2963.5	-0.0	-0.00	0.00	0.00
11	83	-13649.6	3667.8	450.7	0.00	0.00	0.00
	84	13649.6	3667.8	450.7	-0.00	0.00	0.00
12	83	12227.2	3667.8	450.7	0.00	0.00	0.00
	84	-12227.2	3667.8	450.7	-0.00	0.00	0.00
13	83	-13827.9	1789.8	-0.0	0.00	0.00	0.00
	84	13827.9	1789.8	-0.0	-0.00	0.00	0.00
14	83	12048.9	1789.8	-0.0	0.00	0.00	0.00
	84	-12048.9	1789.8	-0.0	-0.00	0.00	0.00
15	83	-13570.5	381.4	-338.0	0.00	0.00	0.00
	84	13570.5	381.4	-338.0	-0.00	0.00	0.00
16	83	12306.2	381.4	-338.0	-0.00	0.00	0.00
	84	-12306.2	381.4	-338.0	0.00	0.00	0.00
17	83	-13379.0	1789.8	-0.0	0.00	0.00	0.00

	84	13379.0	1789.8	-0.0	-0.00	0.00	0.00
18	83	12497.7	1789.8	-0.0	0.00	0.00	0.00
	84	-12497.7	1789.8	-0.0	-0.00	0.00	0.00
19	83	-22257.1	2916.6	270.4	0.00	0.00	0.00
	84	22257.1	2916.6	270.4	-0.00	0.00	0.00
20	83	20870.8	2916.6	270.4	0.00	0.00	0.00
	84	-20870.8	2916.6	270.4	-0.00	0.00	0.00
21	83	-22364.1	1789.8	-0.0	0.00	0.00	0.00
	84	22364.1	1789.8	-0.0	-0.00	0.00	0.00
22	83	20763.8	1789.8	-0.0	-0.00	0.00	0.00
	84	-20763.8	1789.8	-0.0	0.00	0.00	0.00
23	83	-22209.6	944.8	-202.8	0.00	0.00	0.00
	84	22209.6	944.8	-202.8	-0.00	0.00	0.00
24	83	20918.3	944.8	-202.8	-0.00	0.00	0.00
	84	-20918.3	944.8	-202.8	0.00	0.00	0.00
25	83	-22094.7	1789.8	-0.0	0.00	0.00	0.00
	84	22094.7	1789.8	-0.0	-0.00	0.00	0.00
26	83	21033.2	1789.8	-0.0	0.00	0.00	0.00
	84	-21033.2	1789.8	-0.0	-0.00	0.00	0.00
27	83	-1519.4	1983.9	-0.0	0.00	0.00	0.00
	84	1519.4	1983.9	-0.0	-0.00	0.00	0.00
28	83	-1269.6	1983.9	-0.0	0.00	0.00	0.00
	84	1269.6	1983.9	-0.0	-0.00	0.00	0.00
29	83	-1240.9	1983.9	-0.0	0.00	0.00	0.00
	84	1240.9	1983.9	-0.0	-0.00	0.00	0.00
30	83	-336.0	1983.9	-0.0	0.00	0.00	0.00
	84	336.0	1983.9	-0.0	-0.00	0.00	0.00
31	83	109.1	1983.9	-0.0	0.00	0.00	0.00
	84	-109.1	1983.9	-0.0	-0.00	0.00	0.00
32	83	358.9	1983.9	-0.0	0.00	0.00	0.00
	84	-358.9	1983.9	-0.0	-0.00	0.00	0.00
33	83	-408.2	1983.9	-0.0	0.00	0.00	0.00
	84	408.2	1983.9	-0.0	-0.00	0.00	0.00
34	83	80.3	1983.9	-0.0	0.00	0.00	0.00
	84	-80.3	1983.9	-0.0	-0.00	0.00	0.00
35	83	-495.4	1201.4	-0.0	0.00	0.00	0.00
	84	495.4	1201.4	-0.0	-0.00	0.00	0.00
36	83	-428.6	1170.1	180.3	0.00	0.00	0.00
	84	428.6	1170.1	180.3	-0.00	0.00	0.00
37	83	-500.0	418.9	-0.0	0.00	0.00	0.00
	84	500.0	418.9	-0.0	-0.00	0.00	0.00
38	83	-397.0	-144.5	-135.2	0.00	0.00	0.00
	84	397.0	-144.5	-135.2	-0.00	0.00	0.00
39	83	-320.4	418.9	-0.0	0.00	0.00	0.00
	84	320.4	418.9	-0.0	-0.00	0.00	0.00
40	83	-9036.1	418.9	-0.0	0.00	0.00	0.00
	84	9036.1	418.9	-0.0	-0.00	0.00	0.00
41	83	8215.0	418.9	-0.0	0.00	0.00	0.00
	84	-8215.0	418.9	-0.0	-0.00	0.00	0.00
42	83	-580.3	1983.9	-0.0	0.00	0.00	0.00
	84	580.3	1983.9	-0.0	-0.00	0.00	0.00
43	83	-1545.9	1983.9	-0.0	0.00	0.00	0.00
	84	1545.9	1983.9	-0.0	-0.00	0.00	0.00
44	83	-1295.5	1983.9	-0.0	0.00	0.00	0.00
	84	1295.5	1983.9	-0.0	-0.00	0.00	0.00
45	83	-1249.7	1983.9	-0.0	0.00	0.00	0.00

	84	1249.7	1983.9	-0.0	-0.00	0.00	0.00
46	83	-745.4	1983.9	-0.0	0.00	0.00	0.00
	84	745.4	1983.9	-0.0	-0.00	0.00	0.00
47	83	135.0	1983.9	-0.0	0.00	0.00	0.00
	84	-135.0	1983.9	-0.0	-0.00	0.00	0.00
48	83	385.3	1983.9	-0.0	0.00	0.00	0.00
	84	-385.3	1983.9	-0.0	-0.00	0.00	0.00
49	83	-415.1	1983.9	-0.0	0.00	0.00	0.00
	84	415.1	1983.9	-0.0	-0.00	0.00	0.00
50	83	89.1	1983.9	-0.0	0.00	0.00	0.00
	84	-89.1	1983.9	-0.0	-0.00	0.00	0.00
51	83	-1197.9	418.9	-0.0	-0.00	0.00	0.00
	84	1197.9	418.9	-0.0	0.00	0.00	0.00
52	83	-992.8	418.9	-0.0	-0.00	0.00	0.00
	84	992.8	418.9	-0.0	0.00	0.00	0.00
53	83	-957.9	418.9	-0.0	0.00	0.00	0.00
	84	957.9	418.9	-0.0	-0.00	0.00	0.00
54	83	-547.0	418.9	-0.0	0.00	0.00	0.00
	84	547.0	418.9	-0.0	-0.00	0.00	0.00
55	83	171.7	418.9	-0.0	0.00	0.00	0.00
	84	-171.7	418.9	-0.0	-0.00	0.00	0.00
56	83	376.8	418.9	-0.0	0.00	0.00	0.00
	84	-376.8	418.9	-0.0	-0.00	0.00	0.00
57	83	-274.1	418.9	-0.0	-0.00	0.00	0.00
	84	274.1	418.9	-0.0	0.00	0.00	0.00
58	83	136.8	418.9	-0.0	0.00	0.00	0.00
	84	-136.8	418.9	-0.0	-0.00	0.00	0.00
1	84	-513.7	616.1	-0.0	-0.00	0.00	0.00
	85	513.7	616.1	-0.0	0.00	0.00	0.00
2	84	-754.2	2963.5	-0.0	-0.00	0.00	0.00
	85	754.2	2963.5	-0.0	0.00	0.00	0.00
3	84	-13708.5	4090.3	270.4	-0.00	0.00	0.00
	85	13708.5	4090.3	270.4	0.00	0.00	0.00
4	84	-13811.3	2963.5	-0.0	-0.00	0.00	0.00
	85	13811.3	2963.5	-0.0	0.00	0.00	0.00
5	84	-13666.2	2118.5	-202.8	-0.00	0.00	0.00
	85	13666.2	2118.5	-202.8	0.00	0.00	0.00
6	84	-13555.1	2963.5	-0.0	-0.00	0.00	0.00
	85	13555.1	2963.5	-0.0	0.00	0.00	0.00
7	84	12151.8	4090.3	270.4	-0.00	0.00	0.00
	85	-12151.8	4090.3	270.4	0.00	0.00	0.00
8	84	12049.0	2963.5	-0.0	-0.00	0.00	0.00
	85	-12049.0	2963.5	-0.0	0.00	0.00	0.00
9	84	12194.1	2118.5	-202.8	-0.00	0.00	0.00
	85	-12194.1	2118.5	-202.8	0.00	0.00	0.00
10	84	12305.2	2963.5	-0.0	-0.00	0.00	0.00
	85	-12305.2	2963.5	-0.0	0.00	0.00	0.00
11	84	-13604.4	3667.8	450.7	-0.00	0.00	0.00
	85	13604.4	3667.8	450.7	0.00	0.00	0.00
12	84	12255.9	3667.8	450.7	-0.00	0.00	0.00
	85	-12255.9	3667.8	450.7	0.00	0.00	0.00
13	84	-13775.7	1789.8	-0.0	-0.00	0.00	0.00
	85	13775.7	1789.8	-0.0	0.00	0.00	0.00
14	84	12084.6	1789.8	-0.0	-0.00	0.00	0.00
	85	-12084.6	1789.8	-0.0	0.00	0.00	0.00

	84	-13533.8	381.4	-338.0	0.00	0.00	0.00
	85	13533.8	381.4	-338.0	-0.00	0.00	0.00
16	84	12326.5	381.4	-338.0	-0.00	0.00	0.00
	85	-12326.5	381.4	-338.0	0.00	0.00	0.00
17	84	-13348.7	1789.8	-0.0	0.00	0.00	0.00
	85	13348.7	1789.8	-0.0	-0.00	0.00	0.00
18	84	12511.6	1789.8	-0.0	-0.00	0.00	0.00
	85	-12511.6	1789.8	-0.0	0.00	0.00	0.00
19	84	-22208.4	2916.6	270.4	-0.00	0.00	0.00
	85	22208.4	2916.6	270.4	0.00	0.00	0.00
20	84	20892.1	2916.6	270.4	-0.00	0.00	0.00
	85	-20892.1	2916.6	270.4	0.00	0.00	0.00
21	84	-22311.1	1789.8	-0.0	-0.00	0.00	0.00
	85	22311.1	1789.8	-0.0	0.00	0.00	0.00
22	84	20789.4	1789.8	-0.0	-0.00	0.00	0.00
	85	-20789.4	1789.8	-0.0	0.00	0.00	0.00
23	84	-22166.0	944.8	-202.8	0.00	0.00	0.00
	85	22166.0	944.8	-202.8	-0.00	0.00	0.00
24	84	20934.5	944.8	-202.8	-0.00	0.00	0.00
	85	-20934.5	944.8	-202.8	0.00	0.00	0.00
25	84	-22054.9	1789.8	-0.0	0.00	0.00	0.00
	85	22054.9	1789.8	-0.0	-0.00	0.00	0.00
26	84	21045.6	1789.8	-0.0	-0.00	0.00	0.00
	85	-21045.6	1789.8	-0.0	0.00	0.00	0.00
27	84	-1406.6	1983.9	-0.0	0.00	0.00	0.00
	85	1406.6	1983.9	-0.0	-0.00	0.00	0.00
28	84	-1214.1	1983.9	-0.0	-0.00	0.00	0.00
	85	1214.1	1983.9	-0.0	0.00	0.00	0.00
29	84	-1100.1	1983.9	-0.0	0.00	0.00	0.00
	85	1100.1	1983.9	-0.0	-0.00	0.00	0.00
30	84	-324.3	1983.9	-0.0	-0.00	0.00	0.00
	85	324.3	1983.9	-0.0	0.00	0.00	0.00
31	84	110.4	1983.9	-0.0	-0.00	0.00	0.00
	85	-110.4	1983.9	-0.0	0.00	0.00	0.00
32	84	302.8	1983.9	-0.0	-0.00	0.00	0.00
	85	-302.8	1983.9	-0.0	0.00	0.00	0.00
33	84	-458.7	1983.9	-0.0	-0.00	0.00	0.00
	85	458.7	1983.9	-0.0	0.00	0.00	0.00
34	84	-3.6	1983.9	-0.0	-0.00	0.00	0.00
	85	3.6	1983.9	-0.0	0.00	0.00	0.00
35	84	-471.7	1201.4	-0.0	-0.00	0.00	0.00
	85	471.7	1201.4	-0.0	0.00	0.00	0.00
36	84	-407.6	1170.1	180.3	-0.00	0.00	0.00
	85	407.6	1170.1	180.3	0.00	0.00	0.00
37	84	-476.1	418.9	-0.0	-0.00	0.00	0.00
	85	476.1	418.9	-0.0	0.00	0.00	0.00
38	84	-379.4	-144.5	-135.2	-0.00	0.00	0.00
	85	379.4	-144.5	-135.2	0.00	0.00	0.00
39	84	-305.3	418.9	-0.0	-0.00	0.00	0.00
	85	305.3	418.9	-0.0	0.00	0.00	0.00
40	84	-9011.6	418.9	-0.0	-0.00	0.00	0.00
	85	9011.6	418.9	-0.0	0.00	0.00	0.00
41	84	8228.6	418.9	-0.0	-0.00	0.00	0.00
	85	-8228.6	418.9	-0.0	0.00	0.00	0.00
42	84	-551.9	1983.9	-0.0	-0.00	0.00	0.00
	85	551.9	1983.9	-0.0	0.00	0.00	0.00

	84	-1433.0	1983.9	-0.0	0.00	0.00	0.00
	85	1433.0	1983.9	-0.0	-0.00	0.00	0.00
44	84	-1240.3	1983.9	-0.0	-0.00	0.00	0.00
	85	1240.3	1983.9	-0.0	0.00	0.00	0.00
45	84	-1108.5	1983.9	-0.0	0.00	0.00	0.00
	85	1108.5	1983.9	-0.0	-0.00	0.00	0.00
46	84	-637.6	1983.9	-0.0	0.00	0.00	0.00
	85	637.6	1983.9	-0.0	-0.00	0.00	0.00
47	84	136.6	1983.9	-0.0	-0.00	0.00	0.00
	85	-136.6	1983.9	-0.0	0.00	0.00	0.00
48	84	329.3	1983.9	-0.0	-0.00	0.00	0.00
	85	-329.3	1983.9	-0.0	0.00	0.00	0.00
49	84	-466.1	1983.9	-0.0	-0.00	0.00	0.00
	85	466.1	1983.9	-0.0	0.00	0.00	0.00
50	84	4.8	1983.9	-0.0	-0.00	0.00	0.00
	85	-4.8	1983.9	-0.0	0.00	0.00	0.00
51	84	-1107.8	418.9	-0.0	0.00	0.00	0.00
	85	1107.8	418.9	-0.0	-0.00	0.00	0.00
52	84	-951.0	418.9	-0.0	-0.00	0.00	0.00
	85	951.0	418.9	-0.0	0.00	0.00	0.00
53	84	-844.2	418.9	-0.0	0.00	0.00	0.00
	85	844.2	418.9	-0.0	-0.00	0.00	0.00
54	84	-461.5	418.9	-0.0	0.00	0.00	0.00
	85	461.5	418.9	-0.0	-0.00	0.00	0.00
55	84	168.0	418.9	-0.0	-0.00	0.00	0.00
	85	-168.0	418.9	-0.0	0.00	0.00	0.00
56	84	324.8	418.9	-0.0	-0.00	0.00	0.00
	85	-324.8	418.9	-0.0	0.00	0.00	0.00
57	84	-321.5	418.9	-0.0	-0.00	0.00	0.00
	85	321.5	418.9	-0.0	0.00	0.00	0.00
58	84	61.2	418.9	-0.0	-0.00	0.00	0.00
	85	-61.2	418.9	-0.0	0.00	0.00	0.00
1	85	-494.7	615.7	-0.0	-0.00	0.00	0.00
	86	494.7	615.7	-0.0	0.00	0.00	0.00
2	85	-724.5	2961.7	-0.0	-0.00	0.00	0.00
	86	724.5	2961.7	-0.0	0.00	0.00	0.00
3	85	-13558.2	4087.7	270.3	-0.00	0.00	0.00
	86	13558.2	4087.7	270.3	0.00	0.00	0.00
4	85	-13656.1	2961.7	-0.0	-0.00	0.00	0.00
	86	13656.1	2961.7	-0.0	0.00	0.00	0.00
5	85	-13519.2	2117.1	-202.7	-0.00	0.00	0.00
	86	13519.2	2117.1	-202.7	0.00	0.00	0.00
6	85	-13413.1	2961.7	-0.0	-0.00	0.00	0.00
	86	13413.1	2961.7	-0.0	0.00	0.00	0.00
7	85	12064.5	4087.7	270.3	-0.00	0.00	0.00
	86	-12064.5	4087.7	270.3	0.00	0.00	0.00
8	85	11966.7	2961.7	-0.0	-0.00	0.00	0.00
	86	-11966.7	2961.7	-0.0	0.00	0.00	0.00
9	85	12103.6	2117.1	-202.7	-0.00	0.00	0.00
	86	-12103.6	2117.1	-202.7	0.00	0.00	0.00
10	85	12209.7	2961.7	-0.0	-0.00	0.00	0.00
	86	-12209.7	2961.7	-0.0	0.00	0.00	0.00
11	85	-13458.3	3665.4	450.4	-0.00	0.00	0.00
	86	13458.3	3665.4	450.4	0.00	0.00	0.00
12	85	12164.5	3665.4	450.4	-0.00	0.00	0.00

	86	-12164.5	3665.4	450.4	0.00	0.00	0.00
13	85	-13621.3	1788.7	-0.0	-0.00	0.00	0.00
	86	13621.3	1788.7	-0.0	0.00	0.00	0.00
14	85	12001.5	1788.7	-0.0	-0.00	0.00	0.00
	86	-12001.5	1788.7	-0.0	0.00	0.00	0.00
15	85	-13393.1	381.1	-337.8	0.00	0.00	0.00
	86	13393.1	381.1	-337.8	-0.00	0.00	0.00
16	85	12229.6	381.1	-337.8	-0.00	0.00	0.00
	86	-12229.6	381.1	-337.8	0.00	0.00	0.00
17	85	-13216.4	1788.7	-0.0	-0.00	0.00	0.00
	86	13216.4	1788.7	-0.0	0.00	0.00	0.00
18	85	12406.4	1788.7	-0.0	-0.00	0.00	0.00
	86	-12406.4	1788.7	-0.0	0.00	0.00	0.00
19	85	-21984.3	2914.7	270.3	-0.00	0.00	0.00
	86	21984.3	2914.7	270.3	0.00	0.00	0.00
20	85	20720.3	2914.7	270.3	-0.00	0.00	0.00
	86	-20720.3	2914.7	270.3	0.00	0.00	0.00
21	85	-22082.1	1788.7	-0.0	-0.00	0.00	0.00
	86	22082.1	1788.7	-0.0	0.00	0.00	0.00
22	85	20622.5	1788.7	-0.0	-0.00	0.00	0.00
	86	-20622.5	1788.7	-0.0	0.00	0.00	0.00
23	85	-21945.2	944.2	-202.7	0.00	0.00	0.00
	86	21945.2	944.2	-202.7	-0.00	0.00	0.00
24	85	20759.4	944.2	-202.7	-0.00	0.00	0.00
	86	-20759.4	944.2	-202.7	0.00	0.00	0.00
25	85	-21839.1	1788.7	-0.0	-0.00	0.00	0.00
	86	21839.1	1788.7	-0.0	0.00	0.00	0.00
26	85	20865.5	1788.7	-0.0	-0.00	0.00	0.00
	86	-20865.5	1788.7	-0.0	0.00	0.00	0.00
27	85	-1134.4	1982.6	-0.0	0.00	0.00	0.00
	86	1134.4	1982.6	-0.0	-0.00	0.00	0.00
28	85	-1350.2	1982.6	-0.0	0.00	0.00	0.00
	86	1350.2	1982.6	-0.0	-0.00	0.00	0.00
29	85	-384.2	1982.6	-0.0	0.00	0.00	0.00
	86	384.2	1982.6	-0.0	-0.00	0.00	0.00
30	85	-316.7	1982.6	-0.0	-0.00	0.00	0.00
	86	316.7	1982.6	-0.0	0.00	0.00	0.00
31	85	289.6	1982.6	-0.0	-0.00	0.00	0.00
	86	-289.6	1982.6	-0.0	0.00	0.00	0.00
32	85	73.8	1982.6	-0.0	-0.00	0.00	0.00
	86	-73.8	1982.6	-0.0	0.00	0.00	0.00
33	85	-1103.6	1982.6	-0.0	-0.00	0.00	0.00
	86	1103.6	1982.6	-0.0	0.00	0.00	0.00
34	85	-676.4	1982.6	-0.0	-0.00	0.00	0.00
	86	676.4	1982.6	-0.0	0.00	0.00	0.00
35	85	-453.7	1200.6	-0.0	-0.00	0.00	0.00
	86	453.7	1200.6	-0.0	0.00	0.00	0.00
36	85	-392.0	1169.3	180.2	-0.00	0.00	0.00
	86	392.0	1169.3	180.2	0.00	0.00	0.00
37	85	-457.2	418.6	-0.0	-0.00	0.00	0.00
	86	457.2	418.6	-0.0	0.00	0.00	0.00
38	85	-366.0	-144.4	-135.1	-0.00	0.00	0.00
	86	366.0	-144.4	-135.1	0.00	0.00	0.00
39	85	-295.3	418.6	-0.0	-0.00	0.00	0.00
	86	295.3	418.6	-0.0	0.00	0.00	0.00
40	85	-8918.1	418.6	-0.0	-0.00	0.00	0.00

	86	8918.1	418.6	-0.0	0.00	0.00	0.00
41	85	8163.8	418.6	-0.0	-0.00	0.00	0.00
	86	-8163.8	418.6	-0.0	0.00	0.00	0.00
42	85	-530.3	1982.6	-0.0	-0.00	0.00	0.00
	86	530.3	1982.6	-0.0	0.00	0.00	0.00
43	85	-1157.9	1982.6	-0.0	0.00	0.00	0.00
	86	1157.9	1982.6	-0.0	-0.00	0.00	0.00
44	85	-1380.3	1982.6	-0.0	0.00	0.00	0.00
	86	1380.3	1982.6	-0.0	-0.00	0.00	0.00
45	85	-381.3	1982.6	-0.0	0.00	0.00	0.00
	86	381.3	1982.6	-0.0	-0.00	0.00	0.00
46	85	62.0	1982.6	-0.0	0.00	0.00	0.00
	86	-62.0	1982.6	-0.0	-0.00	0.00	0.00
47	85	319.7	1982.6	-0.0	-0.00	0.00	0.00
	86	-319.7	1982.6	-0.0	0.00	0.00	0.00
48	85	97.3	1982.6	-0.0	-0.00	0.00	0.00
	86	-97.3	1982.6	-0.0	0.00	0.00	0.00
49	85	-1122.6	1982.6	-0.0	-0.00	0.00	0.00
	86	1122.6	1982.6	-0.0	0.00	0.00	0.00
50	85	-679.3	1982.6	-0.0	-0.00	0.00	0.00
	86	679.3	1982.6	-0.0	0.00	0.00	0.00
51	85	-886.9	418.6	-0.0	0.00	0.00	0.00
	86	886.9	418.6	-0.0	-0.00	0.00	0.00
52	85	-1065.0	418.6	-0.0	0.00	0.00	0.00
	86	1065.0	418.6	-0.0	-0.00	0.00	0.00
53	85	-259.9	418.6	-0.0	0.00	0.00	0.00
	86	259.9	418.6	-0.0	-0.00	0.00	0.00
54	85	99.4	418.6	-0.0	0.00	0.00	0.00
	86	-99.4	418.6	-0.0	-0.00	0.00	0.00
55	85	310.7	418.6	-0.0	-0.00	0.00	0.00
	86	-310.7	418.6	-0.0	0.00	0.00	0.00
56	85	132.6	418.6	-0.0	-0.00	0.00	0.00
	86	-132.6	418.6	-0.0	0.00	0.00	0.00
57	85	-853.6	418.6	-0.0	-0.00	0.00	0.00
	86	853.6	418.6	-0.0	0.00	0.00	0.00
58	85	-494.3	418.6	-0.0	-0.00	0.00	0.00
	86	494.3	418.6	-0.0	0.00	0.00	0.00
1	86	-115.3	615.7	-0.0	-0.00	0.00	0.00
	87	115.3	615.7	-0.0	0.00	0.00	0.00
2	86	-149.6	2961.7	-0.0	-0.00	0.00	0.00
	87	149.6	2961.7	-0.0	0.00	0.00	0.00
3	86	-12253.6	4087.7	270.3	-0.00	0.00	0.00
	87	12253.6	4087.7	270.3	0.00	0.00	0.00
4	86	-12319.3	2961.7	-0.0	-0.00	0.00	0.00
	87	12319.3	2961.7	-0.0	0.00	0.00	0.00
5	86	-12227.5	2117.1	-202.7	-0.00	0.00	0.00
	87	12227.5	2117.1	-202.7	0.00	0.00	0.00
6	86	-12167.6	2961.7	-0.0	-0.00	0.00	0.00
	87	12167.6	2961.7	-0.0	0.00	0.00	0.00
7	86	11926.0	4087.7	270.3	0.00	0.00	0.00
	87	-11926.0	4087.7	270.3	-0.00	0.00	0.00
8	86	11860.3	2961.7	-0.0	0.00	0.00	0.00
	87	-11860.3	2961.7	-0.0	-0.00	0.00	0.00
9	86	11952.1	2117.1	-202.7	-0.00	0.00	0.00
	87	-11952.1	2117.1	-202.7	0.00	0.00	0.00

	86	12012.0	2961.7	-0.0	0.00	0.00	0.00
	87	-12012.0	2961.7	-0.0	-0.00	0.00	0.00
11	86	-12245.8	3665.4	450.4	-0.00	0.00	0.00
	87	12245.8	3665.4	450.4	0.00	0.00	0.00
12	86	11933.8	3665.4	450.4	0.00	0.00	0.00
	87	-11933.8	3665.4	450.4	-0.00	0.00	0.00
13	86	-12355.4	1788.7	-0.0	-0.00	0.00	0.00
	87	12355.4	1788.7	-0.0	0.00	0.00	0.00
14	86	11824.2	1788.7	-0.0	0.00	0.00	0.00
	87	-11824.2	1788.7	-0.0	-0.00	0.00	0.00
15	86	-12202.4	381.1	-337.8	-0.00	0.00	0.00
	87	12202.4	381.1	-337.8	0.00	0.00	0.00
16	86	11977.2	381.1	-337.8	-0.00	0.00	0.00
	87	-11977.2	381.1	-337.8	0.00	0.00	0.00
17	86	-12102.6	1788.7	-0.0	-0.00	0.00	0.00
	87	12102.6	1788.7	-0.0	0.00	0.00	0.00
18	86	12077.0	1788.7	-0.0	0.00	0.00	0.00
	87	-12077.0	1788.7	-0.0	-0.00	0.00	0.00
19	86	-20296.3	2914.7	270.3	-0.00	0.00	0.00
	87	20296.3	2914.7	270.3	0.00	0.00	0.00
20	86	20003.1	2914.7	270.3	0.00	0.00	0.00
	87	-20003.1	2914.7	270.3	-0.00	0.00	0.00
21	86	-20362.0	1788.7	-0.0	-0.00	0.00	0.00
	87	20362.0	1788.7	-0.0	0.00	0.00	0.00
22	86	19937.3	1788.7	-0.0	0.00	0.00	0.00
	87	-19937.3	1788.7	-0.0	-0.00	0.00	0.00
23	86	-20270.2	944.2	-202.7	-0.00	0.00	0.00
	87	20270.2	944.2	-202.7	0.00	0.00	0.00
24	86	20029.1	944.2	-202.7	0.00	0.00	0.00
	87	-20029.1	944.2	-202.7	-0.00	0.00	0.00
25	86	-20210.3	1788.7	-0.0	-0.00	0.00	0.00
	87	20210.3	1788.7	-0.0	0.00	0.00	0.00
26	86	20089.0	1788.7	-0.0	0.00	0.00	0.00
	87	-20089.0	1788.7	-0.0	-0.00	0.00	0.00
27	86	-731.0	1982.6	-0.0	-0.00	0.00	0.00
	87	731.0	1982.6	-0.0	0.00	0.00	0.00
28	86	-414.3	1982.6	-0.0	-0.00	0.00	0.00
	87	414.3	1982.6	-0.0	0.00	0.00	0.00
29	86	-779.9	1982.6	-0.0	-0.00	0.00	0.00
	87	779.9	1982.6	-0.0	0.00	0.00	0.00
30	86	22.6	1982.6	-0.0	0.00	0.00	0.00
	87	-22.6	1982.6	-0.0	-0.00	0.00	0.00
31	86	184.8	1982.6	-0.0	0.00	0.00	0.00
	87	-184.8	1982.6	-0.0	-0.00	0.00	0.00
32	86	501.4	1982.6	-0.0	0.00	0.00	0.00
	87	-501.4	1982.6	-0.0	-0.00	0.00	0.00
33	86	275.6	1982.6	-0.0	-0.00	0.00	0.00
	87	-275.6	1982.6	-0.0	0.00	0.00	0.00
34	86	550.3	1982.6	-0.0	-0.00	0.00	0.00
	87	-550.3	1982.6	-0.0	0.00	0.00	0.00
35	86	-103.3	1200.6	-0.0	-0.00	0.00	0.00
	87	103.3	1200.6	-0.0	0.00	0.00	0.00
36	86	-101.3	1169.3	180.2	0.00	0.00	0.00
	87	101.3	1169.3	180.2	-0.00	0.00	0.00
37	86	-145.1	418.6	-0.0	0.00	0.00	0.00
	87	145.1	418.6	-0.0	-0.00	0.00	0.00

	86	-83.9	-144.4	-135.1	-0.00	0.00	0.00
	87	83.9	-144.4	-135.1	0.00	0.00	0.00
39	86	-44.0	418.6	-0.0	-0.00	0.00	0.00
	87	44.0	418.6	-0.0	0.00	0.00	0.00
40	86	-8151.7	418.6	-0.0	-0.00	0.00	0.00
	87	8151.7	418.6	-0.0	0.00	0.00	0.00
41	86	7968.0	418.6	-0.0	0.00	0.00	0.00
	87	-7968.0	418.6	-0.0	-0.00	0.00	0.00
42	86	-114.8	1982.6	-0.0	-0.00	0.00	0.00
	87	114.8	1982.6	-0.0	0.00	0.00	0.00
43	86	-747.0	1982.6	-0.0	-0.00	0.00	0.00
	87	747.0	1982.6	-0.0	0.00	0.00	0.00
44	86	-420.1	1982.6	-0.0	-0.00	0.00	0.00
	87	420.1	1982.6	-0.0	0.00	0.00	0.00
45	86	-800.2	1982.6	-0.0	-0.00	0.00	0.00
	87	800.2	1982.6	-0.0	0.00	0.00	0.00
46	86	-518.9	1982.6	-0.0	0.00	0.00	0.00
	87	518.9	1982.6	-0.0	-0.00	0.00	0.00
47	86	190.6	1982.6	-0.0	0.00	0.00	0.00
	87	-190.6	1982.6	-0.0	-0.00	0.00	0.00
48	86	517.4	1982.6	-0.0	0.00	0.00	0.00
	87	-517.4	1982.6	-0.0	-0.00	0.00	0.00
49	86	289.3	1982.6	-0.0	-0.00	0.00	0.00
	87	-289.3	1982.6	-0.0	0.00	0.00	0.00
50	86	570.6	1982.6	-0.0	-0.00	0.00	0.00
	87	-570.6	1982.6	-0.0	0.00	0.00	0.00
51	86	-608.5	418.6	-0.0	-0.00	0.00	0.00
	87	608.5	418.6	-0.0	0.00	0.00	0.00
52	86	-343.2	418.6	-0.0	-0.00	0.00	0.00
	87	343.2	418.6	-0.0	0.00	0.00	0.00
53	86	-649.2	418.6	-0.0	-0.00	0.00	0.00
	87	649.2	418.6	-0.0	0.00	0.00	0.00
54	86	-418.8	418.6	-0.0	0.00	0.00	0.00
	87	418.8	418.6	-0.0	-0.00	0.00	0.00
55	86	159.4	418.6	-0.0	0.00	0.00	0.00
	87	-159.4	418.6	-0.0	-0.00	0.00	0.00
56	86	424.7	418.6	-0.0	0.00	0.00	0.00
	87	-424.7	418.6	-0.0	-0.00	0.00	0.00
57	86	235.1	418.6	-0.0	-0.00	0.00	0.00
	87	-235.1	418.6	-0.0	0.00	0.00	0.00
58	86	465.5	418.6	-0.0	-0.00	0.00	0.00
	87	-465.5	418.6	-0.0	0.00	0.00	0.00
1	87	-104.4	616.1	-0.0	0.00	0.00	0.00
	88	104.4	616.1	-0.0	-0.00	0.00	0.00
2	87	-132.7	2963.5	-0.0	0.00	0.00	0.00
	88	132.7	2963.5	-0.0	-0.00	0.00	0.00
3	87	-12325.3	4090.3	270.4	0.00	0.00	0.00
	88	12325.3	4090.3	270.4	-0.00	0.00	0.00
4	87	-12382.2	2963.5	-0.0	0.00	0.00	0.00
	88	12382.2	2963.5	-0.0	-0.00	0.00	0.00
5	87	-12299.2	2118.5	-202.8	0.00	0.00	0.00
	88	12299.2	2118.5	-202.8	-0.00	0.00	0.00
6	87	-12245.9	2963.5	-0.0	0.00	0.00	0.00
	88	12245.9	2963.5	-0.0	-0.00	0.00	0.00
7	87	12031.9	4090.3	270.4	0.00	0.00	0.00

	88	-12031.9	4090.3	270.4	-0.00	0.00	0.00
8	87	11975.0	2963.5	-0.0	0.00	0.00	0.00
	88	-11975.0	2963.5	-0.0	-0.00	0.00	0.00
9	87	12057.9	2118.5	-202.8	-0.00	0.00	0.00
	88	-12057.9	2118.5	-202.8	0.00	0.00	0.00
10	87	12111.3	2963.5	-0.0	0.00	0.00	0.00
	88	-12111.3	2963.5	-0.0	-0.00	0.00	0.00
11	87	-12320.5	3667.8	450.7	0.00	0.00	0.00
	88	12320.5	3667.8	450.7	-0.00	0.00	0.00
12	87	12036.6	3667.8	450.7	0.00	0.00	0.00
	88	-12036.6	3667.8	450.7	-0.00	0.00	0.00
13	87	-12415.3	1789.8	-0.0	0.00	0.00	0.00
	88	12415.3	1789.8	-0.0	-0.00	0.00	0.00
14	87	11941.9	1789.8	-0.0	0.00	0.00	0.00
	88	-11941.9	1789.8	-0.0	-0.00	0.00	0.00
15	87	-12277.1	381.4	-338.0	0.00	0.00	0.00
	88	12277.1	381.4	-338.0	-0.00	0.00	0.00
16	87	12080.1	381.4	-338.0	-0.00	0.00	0.00
	88	-12080.1	381.4	-338.0	0.00	0.00	0.00
17	87	-12188.2	1789.8	-0.0	0.00	0.00	0.00
	88	12188.2	1789.8	-0.0	-0.00	0.00	0.00
18	87	12169.0	1789.8	-0.0	-0.00	0.00	0.00
	88	-12169.0	1789.8	-0.0	0.00	0.00	0.00
19	87	-20430.2	2916.6	270.4	0.00	0.00	0.00
	88	20430.2	2916.6	270.4	-0.00	0.00	0.00
20	87	20165.0	2916.6	270.4	0.00	0.00	0.00
	88	-20165.0	2916.6	270.4	-0.00	0.00	0.00
21	87	-20487.1	1789.8	-0.0	0.00	0.00	0.00
	88	20487.1	1789.8	-0.0	-0.00	0.00	0.00
22	87	20108.2	1789.8	-0.0	-0.00	0.00	0.00
	88	-20108.2	1789.8	-0.0	0.00	0.00	0.00
23	87	-20404.2	944.8	-202.8	0.00	0.00	0.00
	88	20404.2	944.8	-202.8	-0.00	0.00	0.00
24	87	20191.1	944.8	-202.8	-0.00	0.00	0.00
	88	-20191.1	944.8	-202.8	0.00	0.00	0.00
25	87	-20350.8	1789.8	-0.0	0.00	0.00	0.00
	88	20350.8	1789.8	-0.0	-0.00	0.00	0.00
26	87	20244.5	1789.8	-0.0	-0.00	0.00	0.00
	88	-20244.5	1789.8	-0.0	0.00	0.00	0.00
27	87	-590.1	1983.9	-0.0	-0.00	0.00	0.00
	88	590.1	1983.9	-0.0	0.00	0.00	0.00
28	87	-397.7	1983.9	-0.0	-0.00	0.00	0.00
	88	397.7	1983.9	-0.0	0.00	0.00	0.00
29	87	-540.3	1983.9	-0.0	0.00	0.00	0.00
	88	540.3	1983.9	-0.0	-0.00	0.00	0.00
30	87	15.2	1983.9	-0.0	0.00	0.00	0.00
	88	-15.2	1983.9	-0.0	-0.00	0.00	0.00
31	87	193.2	1983.9	-0.0	0.00	0.00	0.00
	88	-193.2	1983.9	-0.0	-0.00	0.00	0.00
32	87	385.5	1983.9	-0.0	0.00	0.00	0.00
	88	-385.5	1983.9	-0.0	-0.00	0.00	0.00
33	87	100.8	1983.9	-0.0	-0.00	0.00	0.00
	88	-100.8	1983.9	-0.0	0.00	0.00	0.00
34	87	335.7	1983.9	-0.0	-0.00	0.00	0.00
	88	-335.7	1983.9	-0.0	0.00	0.00	0.00
35	87	-92.9	1201.4	-0.0	0.00	0.00	0.00

	88	92.9	1201.4	-0.0	-0.00	0.00	0.00
36	87	-92.8	1170.1	180.3	0.00	0.00	0.00
	88	92.8	1170.1	180.3	-0.00	0.00	0.00
37	87	-130.7	418.9	-0.0	0.00	0.00	0.00
	88	130.7	418.9	-0.0	-0.00	0.00	0.00
38	87	-75.4	-144.5	-135.2	-0.00	0.00	0.00
	88	75.4	-144.5	-135.2	0.00	0.00	0.00
39	87	-39.9	418.9	-0.0	0.00	0.00	0.00
	88	39.9	418.9	-0.0	-0.00	0.00	0.00
40	87	-8202.5	418.9	-0.0	0.00	0.00	0.00
	88	8202.5	418.9	-0.0	-0.00	0.00	0.00
41	87	8035.6	418.9	-0.0	-0.00	0.00	0.00
	88	-8035.6	418.9	-0.0	0.00	0.00	0.00
42	87	-102.3	1983.9	-0.0	0.00	0.00	0.00
	88	102.3	1983.9	-0.0	-0.00	0.00	0.00
43	87	-602.5	1983.9	-0.0	-0.00	0.00	0.00
	88	602.5	1983.9	-0.0	0.00	0.00	0.00
44	87	-405.4	1983.9	-0.0	-0.00	0.00	0.00
	88	405.4	1983.9	-0.0	0.00	0.00	0.00
45	87	-551.3	1983.9	-0.0	0.00	0.00	0.00
	88	551.3	1983.9	-0.0	-0.00	0.00	0.00
46	87	-310.3	1983.9	-0.0	0.00	0.00	0.00
	88	310.3	1983.9	-0.0	-0.00	0.00	0.00
47	87	200.9	1983.9	-0.0	0.00	0.00	0.00
	88	-200.9	1983.9	-0.0	-0.00	0.00	0.00
48	87	398.0	1983.9	-0.0	0.00	0.00	0.00
	88	-398.0	1983.9	-0.0	-0.00	0.00	0.00
49	87	105.7	1983.9	-0.0	-0.00	0.00	0.00
	88	-105.7	1983.9	-0.0	0.00	0.00	0.00
50	87	346.7	1983.9	-0.0	-0.00	0.00	0.00
	88	-346.7	1983.9	-0.0	0.00	0.00	0.00
51	87	-492.1	418.9	-0.0	-0.00	0.00	0.00
	88	492.1	418.9	-0.0	0.00	0.00	0.00
52	87	-331.4	418.9	-0.0	-0.00	0.00	0.00
	88	331.4	418.9	-0.0	0.00	0.00	0.00
53	87	-449.7	418.9	-0.0	0.00	0.00	0.00
	88	449.7	418.9	-0.0	-0.00	0.00	0.00
54	87	-252.7	418.9	-0.0	0.00	0.00	0.00
	88	252.7	418.9	-0.0	-0.00	0.00	0.00
55	87	164.5	418.9	-0.0	0.00	0.00	0.00
	88	-164.5	418.9	-0.0	-0.00	0.00	0.00
56	87	325.2	418.9	-0.0	0.00	0.00	0.00
	88	-325.2	418.9	-0.0	-0.00	0.00	0.00
57	87	85.8	418.9	-0.0	-0.00	0.00	0.00
	88	-85.8	418.9	-0.0	0.00	0.00	0.00
58	87	282.8	418.9	-0.0	-0.00	0.00	0.00
	88	-282.8	418.9	-0.0	0.00	0.00	0.00
1	88	-96.0	616.1	-0.0	0.00	0.00	0.00
	89	96.0	616.1	-0.0	-0.00	0.00	0.00
2	88	-119.7	2963.5	-0.0	-0.00	0.00	0.00
	89	119.7	2963.5	-0.0	0.00	0.00	0.00
3	88	-12278.7	4090.3	270.4	0.00	0.00	0.00
	89	12278.7	4090.3	270.4	-0.00	0.00	0.00
4	88	-12328.2	2963.5	-0.0	0.00	0.00	0.00
	89	12328.2	2963.5	-0.0	-0.00	0.00	0.00

	88	-12250.8	2118.5	-202.8	0.00	0.00	0.00
	89	12250.8	2118.5	-202.8	-0.00	0.00	0.00
6	88	-12203.9	2963.5	-0.0	0.00	0.00	0.00
	89	12203.9	2963.5	-0.0	-0.00	0.00	0.00
7	88	12009.3	4090.3	270.4	-0.00	0.00	0.00
	89	-12009.3	4090.3	270.4	0.00	0.00	0.00
8	88	11959.9	2963.5	-0.0	-0.00	0.00	0.00
	89	-11959.9	2963.5	-0.0	0.00	0.00	0.00
9	88	12037.2	2118.5	-202.8	-0.00	0.00	0.00
	89	-12037.2	2118.5	-202.8	0.00	0.00	0.00
10	88	12084.2	2963.5	-0.0	-0.00	0.00	0.00
	89	-12084.2	2963.5	-0.0	0.00	0.00	0.00
11	88	-12276.9	3667.8	450.7	0.00	0.00	0.00
	89	12276.9	3667.8	450.7	-0.00	0.00	0.00
12	88	12011.1	3667.8	450.7	-0.00	0.00	0.00
	89	-12011.1	3667.8	450.7	0.00	0.00	0.00
13	88	-12359.3	1789.8	-0.0	0.00	0.00	0.00
	89	12359.3	1789.8	-0.0	-0.00	0.00	0.00
14	88	11928.7	1789.8	-0.0	-0.00	0.00	0.00
	89	-11928.7	1789.8	-0.0	0.00	0.00	0.00
15	88	-12230.4	381.4	-338.0	0.00	0.00	0.00
	89	12230.4	381.4	-338.0	-0.00	0.00	0.00
16	88	12057.6	381.4	-338.0	-0.00	0.00	0.00
	89	-12057.6	381.4	-338.0	0.00	0.00	0.00
17	88	-12152.2	1789.8	-0.0	0.00	0.00	0.00
	89	12152.2	1789.8	-0.0	-0.00	0.00	0.00
18	88	12135.9	1789.8	-0.0	-0.00	0.00	0.00
	89	-12135.9	1789.8	-0.0	0.00	0.00	0.00
19	88	-20362.9	2916.6	270.4	0.00	0.00	0.00
	89	20362.9	2916.6	270.4	-0.00	0.00	0.00
20	88	20117.2	2916.6	270.4	-0.00	0.00	0.00
	89	-20117.2	2916.6	270.4	0.00	0.00	0.00
21	88	-20412.4	1789.8	-0.0	0.00	0.00	0.00
	89	20412.4	1789.8	-0.0	-0.00	0.00	0.00
22	88	20067.7	1789.8	-0.0	-0.00	0.00	0.00
	89	-20067.7	1789.8	-0.0	0.00	0.00	0.00
23	88	-20335.0	944.8	-202.8	0.00	0.00	0.00
	89	20335.0	944.8	-202.8	-0.00	0.00	0.00
24	88	20145.1	944.8	-202.8	-0.00	0.00	0.00
	89	-20145.1	944.8	-202.8	0.00	0.00	0.00
25	88	-20288.1	1789.8	-0.0	0.00	0.00	0.00
	89	20288.1	1789.8	-0.0	-0.00	0.00	0.00
26	88	20192.0	1789.8	-0.0	-0.00	0.00	0.00
	89	-20192.0	1789.8	-0.0	0.00	0.00	0.00
27	88	-481.7	1983.9	-0.0	0.00	0.00	0.00
	89	481.7	1983.9	-0.0	-0.00	0.00	0.00
28	88	-389.8	1983.9	-0.0	0.00	0.00	0.00
	89	389.8	1983.9	-0.0	-0.00	0.00	0.00
29	88	-349.0	1983.9	-0.0	0.00	0.00	0.00
	89	349.0	1983.9	-0.0	-0.00	0.00	0.00
30	88	10.1	1983.9	-0.0	-0.00	0.00	0.00
	89	-10.1	1983.9	-0.0	0.00	0.00	0.00
31	88	204.2	1983.9	-0.0	-0.00	0.00	0.00
	89	-204.2	1983.9	-0.0	0.00	0.00	0.00
32	88	296.1	1983.9	-0.0	-0.00	0.00	0.00
	89	-296.1	1983.9	-0.0	0.00	0.00	0.00

	88	-42.4	1983.9	-0.0	-0.00	0.00	0.00
	89	42.4	1983.9	-0.0	0.00	0.00	0.00
34	88	163.4	1983.9	-0.0	-0.00	0.00	0.00
	89	-163.4	1983.9	-0.0	0.00	0.00	0.00
35	88	-84.9	1201.4	-0.0	-0.00	0.00	0.00
	89	84.9	1201.4	-0.0	0.00	0.00	0.00
36	88	-87.0	1170.1	180.3	-0.00	0.00	0.00
	89	87.0	1170.1	180.3	0.00	0.00	0.00
37	88	-120.0	418.9	-0.0	-0.00	0.00	0.00
	89	120.0	418.9	-0.0	0.00	0.00	0.00
38	88	-68.4	-144.5	-135.2	0.00	0.00	0.00
	89	68.4	-144.5	-135.2	-0.00	0.00	0.00
39	88	-37.1	418.9	-0.0	0.00	0.00	0.00
	89	37.1	418.9	-0.0	-0.00	0.00	0.00
40	88	-8173.0	418.9	-0.0	0.00	0.00	0.00
	89	8173.0	418.9	-0.0	-0.00	0.00	0.00
41	88	8019.0	418.9	-0.0	-0.00	0.00	0.00
	89	-8019.0	418.9	-0.0	0.00	0.00	0.00
42	88	-92.8	1983.9	-0.0	-0.00	0.00	0.00
	89	92.8	1983.9	-0.0	0.00	0.00	0.00
43	88	-492.6	1983.9	-0.0	0.00	0.00	0.00
	89	492.6	1983.9	-0.0	-0.00	0.00	0.00
44	88	-399.5	1983.9	-0.0	0.00	0.00	0.00
	89	399.5	1983.9	-0.0	-0.00	0.00	0.00
45	88	-354.0	1983.9	-0.0	-0.00	0.00	0.00
	89	354.0	1983.9	-0.0	0.00	0.00	0.00
46	88	-142.0	1983.9	-0.0	-0.00	0.00	0.00
	89	142.0	1983.9	-0.0	0.00	0.00	0.00
47	88	213.9	1983.9	-0.0	-0.00	0.00	0.00
	89	-213.9	1983.9	-0.0	0.00	0.00	0.00
48	88	307.0	1983.9	-0.0	-0.00	0.00	0.00
	89	-307.0	1983.9	-0.0	0.00	0.00	0.00
49	88	-43.6	1983.9	-0.0	0.00	0.00	0.00
	89	43.6	1983.9	-0.0	-0.00	0.00	0.00
50	88	168.4	1983.9	-0.0	0.00	0.00	0.00
	89	-168.4	1983.9	-0.0	-0.00	0.00	0.00
51	88	-402.6	418.9	-0.0	0.00	0.00	0.00
	89	402.6	418.9	-0.0	-0.00	0.00	0.00
52	88	-326.4	418.9	-0.0	0.00	0.00	0.00
	89	326.4	418.9	-0.0	-0.00	0.00	0.00
53	88	-290.3	418.9	-0.0	-0.00	0.00	0.00
	89	290.3	418.9	-0.0	0.00	0.00	0.00
54	88	-117.8	418.9	-0.0	-0.00	0.00	0.00
	89	117.8	418.9	-0.0	0.00	0.00	0.00
55	88	172.4	418.9	-0.0	-0.00	0.00	0.00
	89	-172.4	418.9	-0.0	0.00	0.00	0.00
56	88	248.6	418.9	-0.0	-0.00	0.00	0.00
	89	-248.6	418.9	-0.0	0.00	0.00	0.00
57	88	-36.2	418.9	-0.0	0.00	0.00	0.00
	89	36.2	418.9	-0.0	-0.00	0.00	0.00
58	88	136.2	418.9	-0.0	0.00	0.00	0.00
	89	-136.2	418.9	-0.0	-0.00	0.00	0.00
1	89	-89.6	615.7	0.0	0.00	0.00	0.00
	90	89.6	615.7	0.0	-0.00	0.00	0.00
2	89	-109.8	2961.7	0.0	0.00	0.00	0.00

	90	109.8	2961.7	0.0	-0.00	0.00	0.00
3	89	-12115.7	4087.7	270.3	-0.00	0.00	0.00
	90	12115.7	4087.7	270.3	0.00	0.00	0.00
4	89	-12157.3	2961.7	0.0	0.00	0.00	0.00
	90	12157.3	2961.7	0.0	-0.00	0.00	0.00
5	89	-12083.7	2117.1	-202.7	0.00	0.00	0.00
	90	12083.7	2117.1	-202.7	-0.00	0.00	0.00
6	89	-12044.6	2961.7	0.0	0.00	0.00	0.00
	90	12044.6	2961.7	0.0	-0.00	0.00	0.00
7	89	11861.4	4087.7	270.3	-0.00	0.00	0.00
	90	-11861.4	4087.7	270.3	0.00	0.00	0.00
8	89	11819.7	2961.7	0.0	-0.00	0.00	0.00
	90	-11819.7	2961.7	0.0	0.00	0.00	0.00
9	89	11893.3	2117.1	-202.7	0.00	0.00	0.00
	90	-11893.3	2117.1	-202.7	-0.00	0.00	0.00
10	89	11932.5	2961.7	0.0	0.00	0.00	0.00
	90	-11932.5	2961.7	0.0	-0.00	0.00	0.00
11	89	-12117.1	3665.4	450.4	-0.00	0.00	0.00
	90	12117.1	3665.4	450.4	0.00	0.00	0.00
12	89	11859.9	3665.4	450.4	-0.00	0.00	0.00
	90	-11859.9	3665.4	450.4	0.00	0.00	0.00
13	89	-12186.5	1788.7	0.0	-0.00	0.00	0.00
	90	12186.5	1788.7	0.0	0.00	0.00	0.00
14	89	11790.5	1788.7	0.0	-0.00	0.00	0.00
	90	-11790.5	1788.7	0.0	0.00	0.00	0.00
15	89	-12063.8	381.1	-337.8	0.00	0.00	0.00
	90	12063.8	381.1	-337.8	-0.00	0.00	0.00
16	89	11913.2	381.1	-337.8	0.00	0.00	0.00
	90	-11913.2	381.1	-337.8	-0.00	0.00	0.00
17	89	-11998.6	1788.7	0.0	0.00	0.00	0.00
	90	11998.6	1788.7	0.0	-0.00	0.00	0.00
18	89	11978.4	1788.7	0.0	0.00	0.00	0.00
	90	-11978.4	1788.7	0.0	-0.00	0.00	0.00
19	89	-20097.9	2914.7	270.3	0.00	0.00	0.00
	90	20097.9	2914.7	270.3	-0.00	0.00	0.00
20	89	19863.8	2914.7	270.3	-0.00	0.00	0.00
	90	-19863.8	2914.7	270.3	0.00	0.00	0.00
21	89	-20139.5	1788.7	0.0	0.00	0.00	0.00
	90	20139.5	1788.7	0.0	-0.00	0.00	0.00
22	89	19822.2	1788.7	0.0	-0.00	0.00	0.00
	90	-19822.2	1788.7	0.0	0.00	0.00	0.00
23	89	-20065.9	944.2	-202.7	0.00	0.00	0.00
	90	20065.9	944.2	-202.7	-0.00	0.00	0.00
24	89	19895.8	944.2	-202.7	0.00	0.00	0.00
	90	-19895.8	944.2	-202.7	-0.00	0.00	0.00
25	89	-20026.8	1788.7	0.0	0.00	0.00	0.00
	90	20026.8	1788.7	0.0	-0.00	0.00	0.00
26	89	19934.9	1788.7	0.0	-0.00	0.00	0.00
	90	-19934.9	1788.7	0.0	0.00	0.00	0.00
27	89	-334.3	1982.6	0.0	0.00	0.00	0.00
	90	334.3	1982.6	0.0	-0.00	0.00	0.00
28	89	-460.6	1982.6	0.0	0.00	0.00	0.00
	90	460.6	1982.6	0.0	-0.00	0.00	0.00
29	89	31.3	1982.6	0.0	0.00	0.00	0.00
	90	-31.3	1982.6	0.0	-0.00	0.00	0.00
30	89	7.9	1982.6	0.0	-0.00	0.00	0.00

	90	-7.9	1982.6	0.0	0.00	0.00	0.00
31	89	289.3	1982.6	0.0	-0.00	0.00	0.00
	90	-289.3	1982.6	0.0	0.00	0.00	0.00
32	89	163.0	1982.6	0.0	-0.00	0.00	0.00
	90	-163.0	1982.6	0.0	0.00	0.00	0.00
33	89	-389.7	1982.6	0.0	0.00	0.00	0.00
	90	389.7	1982.6	0.0	-0.00	0.00	0.00
34	89	-202.6	1982.6	0.0	0.00	0.00	0.00
	90	202.6	1982.6	0.0	-0.00	0.00	0.00
35	89	-78.9	1200.6	0.0	0.00	0.00	0.00
	90	78.9	1200.6	0.0	-0.00	0.00	0.00
36	89	-83.7	1169.3	180.2	-0.00	0.00	0.00
	90	83.7	1169.3	180.2	0.00	0.00	0.00
37	89	-111.5	418.6	0.0	-0.00	0.00	0.00
	90	111.5	418.6	0.0	0.00	0.00	0.00
38	89	-62.4	-144.4	-135.1	0.00	0.00	0.00
	90	62.4	-144.4	-135.1	-0.00	0.00	0.00
39	89	-36.3	418.6	0.0	0.00	0.00	0.00
	90	36.3	418.6	0.0	-0.00	0.00	0.00
40	89	-8064.5	418.6	0.0	0.00	0.00	0.00
	90	8064.5	418.6	0.0	-0.00	0.00	0.00
41	89	7920.2	418.6	0.0	-0.00	0.00	0.00
	90	-7920.2	418.6	0.0	0.00	0.00	0.00
42	89	-85.7	1982.6	0.0	0.00	0.00	0.00
	90	85.7	1982.6	0.0	-0.00	0.00	0.00
43	89	-342.4	1982.6	0.0	0.00	0.00	0.00
	90	342.4	1982.6	0.0	-0.00	0.00	0.00
44	89	-475.3	1982.6	0.0	0.00	0.00	0.00
	90	475.3	1982.6	0.0	-0.00	0.00	0.00
45	89	38.9	1982.6	0.0	0.00	0.00	0.00
	90	-38.9	1982.6	0.0	-0.00	0.00	0.00
46	89	232.8	1982.6	0.0	-0.00	0.00	0.00
	90	-232.8	1982.6	0.0	0.00	0.00	0.00
47	89	304.0	1982.6	0.0	-0.00	0.00	0.00
	90	-304.0	1982.6	0.0	0.00	0.00	0.00
48	89	171.1	1982.6	0.0	-0.00	0.00	0.00
	90	-171.1	1982.6	0.0	0.00	0.00	0.00
49	89	-404.1	1982.6	0.0	0.00	0.00	0.00
	90	404.1	1982.6	0.0	-0.00	0.00	0.00
50	89	-210.2	1982.6	0.0	0.00	0.00	0.00
	90	210.2	1982.6	0.0	-0.00	0.00	0.00
51	89	-280.4	418.6	0.0	0.00	0.00	0.00
	90	280.4	418.6	0.0	-0.00	0.00	0.00
52	89	-386.5	418.6	0.0	0.00	0.00	0.00
	90	386.5	418.6	0.0	-0.00	0.00	0.00
53	89	26.2	418.6	0.0	0.00	0.00	0.00
	90	-26.2	418.6	0.0	-0.00	0.00	0.00
54	89	183.0	418.6	0.0	-0.00	0.00	0.00
	90	-183.0	418.6	0.0	0.00	0.00	0.00
55	89	242.2	418.6	0.0	-0.00	0.00	0.00
	90	-242.2	418.6	0.0	0.00	0.00	0.00
56	89	136.1	418.6	0.0	-0.00	0.00	0.00
	90	-136.1	418.6	0.0	0.00	0.00	0.00
57	89	-327.3	418.6	0.0	0.00	0.00	0.00
	90	327.3	418.6	0.0	-0.00	0.00	0.00
58	89	-170.5	418.6	0.0	0.00	0.00	0.00

	90	170.5	418.6	0.0	-0.00	0.00	0.00
1	90	37.5	615.7	-0.0	0.00	0.00	0.00
	91	-37.5	615.7	-0.0	-0.00	0.00	0.00
2	90	91.2	2961.6	-0.0	0.00	0.00	0.00
	91	-91.2	2961.6	-0.0	-0.00	0.00	0.00
3	90	-9773.4	4087.7	270.3	0.00	0.00	0.00
	91	9773.4	4087.7	270.3	-0.00	0.00	0.00
4	90	-9676.8	2961.6	-0.0	0.00	0.00	0.00
	91	9676.8	2961.6	-0.0	-0.00	0.00	0.00
5	90	-9683.6	2117.1	-202.7	-0.00	0.00	0.00
	91	9683.6	2117.1	-202.7	0.00	0.00	0.00
6	90	-9741.7	2961.6	-0.0	-0.00	0.00	0.00
	91	9741.7	2961.6	-0.0	0.00	0.00	0.00
7	90	9855.2	4087.7	270.3	0.00	0.00	0.00
	91	-9855.2	4087.7	270.3	-0.00	0.00	0.00
8	90	9951.8	2961.6	-0.0	0.00	0.00	0.00
	91	-9951.8	2961.6	-0.0	-0.00	0.00	0.00
9	90	9945.0	2117.1	-202.7	0.00	0.00	0.00
	91	-9945.0	2117.1	-202.7	-0.00	0.00	0.00
10	90	9886.9	2961.6	-0.0	0.00	0.00	0.00
	91	-9886.9	2961.6	-0.0	-0.00	0.00	0.00
11	90	-9833.8	3665.4	450.4	0.00	0.00	0.00
	91	9833.8	3665.4	450.4	-0.00	0.00	0.00
12	90	9794.8	3665.4	450.4	0.00	0.00	0.00
	91	-9794.8	3665.4	450.4	-0.00	0.00	0.00
13	90	-9672.8	1788.7	-0.0	0.00	0.00	0.00
	91	9672.8	1788.7	-0.0	-0.00	0.00	0.00
14	90	9955.8	1788.7	-0.0	0.00	0.00	0.00
	91	-9955.8	1788.7	-0.0	-0.00	0.00	0.00
15	90	-9684.1	381.1	-337.8	-0.00	0.00	0.00
	91	9684.1	381.1	-337.8	0.00	0.00	0.00
16	90	9944.5	381.1	-337.8	0.00	0.00	0.00
	91	-9944.5	381.1	-337.8	-0.00	0.00	0.00
17	90	-9780.9	1788.7	-0.0	-0.00	0.00	0.00
	91	9780.9	1788.7	-0.0	0.00	0.00	0.00
18	90	9847.7	1788.7	-0.0	0.00	0.00	0.00
	91	-9847.7	1788.7	-0.0	-0.00	0.00	0.00
19	90	-16343.1	2914.7	270.3	0.00	0.00	0.00
	91	16343.1	2914.7	270.3	-0.00	0.00	0.00
20	90	16371.2	2914.7	270.3	0.00	0.00	0.00
	91	-16371.2	2914.7	270.3	-0.00	0.00	0.00
21	90	-16246.5	1788.7	-0.0	-0.00	0.00	0.00
	91	16246.5	1788.7	-0.0	0.00	0.00	0.00
22	90	16467.8	1788.7	-0.0	0.00	0.00	0.00
	91	-16467.8	1788.7	-0.0	-0.00	0.00	0.00
23	90	-16253.3	944.2	-202.7	-0.00	0.00	0.00
	91	16253.3	944.2	-202.7	0.00	0.00	0.00
24	90	16461.0	944.2	-202.7	0.00	0.00	0.00
	91	-16461.0	944.2	-202.7	-0.00	0.00	0.00
25	90	-16311.4	1788.7	-0.0	-0.00	0.00	0.00
	91	16311.4	1788.7	-0.0	0.00	0.00	0.00
26	90	16402.9	1788.7	-0.0	0.00	0.00	0.00
	91	-16402.9	1788.7	-0.0	-0.00	0.00	0.00
27	90	161.5	1982.6	-0.0	-0.00	0.00	0.00
	91	-161.5	1982.6	-0.0	0.00	0.00	0.00

	90	444.2	1982.6	-0.0	-0.00	0.00	0.00
	91	-444.2	1982.6	-0.0	0.00	0.00	0.00
29	90	-337.0	1982.6	-0.0	-0.00	0.00	0.00
	91	337.0	1982.6	-0.0	0.00	0.00	0.00
30	90	-10.4	1982.6	-0.0	0.00	0.00	0.00
	91	10.4	1982.6	-0.0	-0.00	0.00	0.00
31	90	-320.4	1982.6	-0.0	0.00	0.00	0.00
	91	320.4	1982.6	-0.0	-0.00	0.00	0.00
32	90	-37.7	1982.6	-0.0	0.00	0.00	0.00
	91	37.7	1982.6	-0.0	-0.00	0.00	0.00
33	90	605.4	1982.6	-0.0	0.00	0.00	0.00
	91	-605.4	1982.6	-0.0	-0.00	0.00	0.00
34	90	460.9	1982.6	-0.0	0.00	0.00	0.00
	91	-460.9	1982.6	-0.0	-0.00	0.00	0.00
35	90	44.0	1200.6	-0.0	0.00	0.00	0.00
	91	-44.0	1200.6	-0.0	-0.00	0.00	0.00
36	90	-7.4	1169.3	180.2	0.00	0.00	0.00
	91	7.4	1169.3	180.2	-0.00	0.00	0.00
37	90	57.0	418.6	-0.0	0.00	0.00	0.00
	91	-57.0	418.6	-0.0	-0.00	0.00	0.00
38	90	52.5	-144.4	-135.1	-0.00	0.00	0.00
	91	-52.5	-144.4	-135.1	0.00	0.00	0.00
39	90	13.7	418.6	-0.0	0.00	0.00	0.00
	91	-13.7	418.6	-0.0	-0.00	0.00	0.00
40	90	-6516.8	418.6	-0.0	-0.00	0.00	0.00
	91	6516.8	418.6	-0.0	0.00	0.00	0.00
41	90	6569.0	418.6	-0.0	0.00	0.00	0.00
	91	-6569.0	418.6	-0.0	-0.00	0.00	0.00
42	90	61.9	1982.6	-0.0	0.00	0.00	0.00
	91	-61.9	1982.6	-0.0	-0.00	0.00	0.00
43	90	154.3	1982.6	-0.0	-0.00	0.00	0.00
	91	-154.3	1982.6	-0.0	0.00	0.00	0.00
44	90	448.7	1982.6	-0.0	-0.00	0.00	0.00
	91	-448.7	1982.6	-0.0	0.00	0.00	0.00
45	90	-356.8	1982.6	-0.0	-0.00	0.00	0.00
	91	356.8	1982.6	-0.0	0.00	0.00	0.00
46	90	-500.6	1982.6	-0.0	0.00	0.00	0.00
	91	500.6	1982.6	-0.0	-0.00	0.00	0.00
47	90	-324.9	1982.6	-0.0	0.00	0.00	0.00
	91	324.9	1982.6	-0.0	-0.00	0.00	0.00
48	90	-30.5	1982.6	-0.0	0.00	0.00	0.00
	91	30.5	1982.6	-0.0	-0.00	0.00	0.00
49	90	624.4	1982.6	-0.0	0.00	0.00	0.00
	91	-624.4	1982.6	-0.0	-0.00	0.00	0.00
50	90	480.7	1982.6	-0.0	0.00	0.00	0.00
	91	-480.7	1982.6	-0.0	-0.00	0.00	0.00
51	90	102.9	418.6	-0.0	-0.00	0.00	0.00
	91	-102.9	418.6	-0.0	0.00	0.00	0.00
52	90	340.4	418.6	-0.0	-0.00	0.00	0.00
	91	-340.4	418.6	-0.0	0.00	0.00	0.00
53	90	-311.1	418.6	-0.0	-0.00	0.00	0.00
	91	311.1	418.6	-0.0	0.00	0.00	0.00
54	90	-428.4	418.6	-0.0	0.00	0.00	0.00
	91	428.4	418.6	-0.0	-0.00	0.00	0.00
55	90	-288.2	418.6	-0.0	0.00	0.00	0.00
	91	288.2	418.6	-0.0	-0.00	0.00	0.00

	90	-50.7	418.6	-0.0	0.00	0.00	0.00
	91	50.7	418.6	-0.0	-0.00	0.00	0.00
57	90	480.7	418.6	-0.0	0.00	0.00	0.00
	91	-480.7	418.6	-0.0	-0.00	0.00	0.00
58	90	363.3	418.6	-0.0	0.00	0.00	0.00
	91	-363.3	418.6	-0.0	-0.00	0.00	0.00
1	91	41.0	616.1	-0.0	0.00	0.00	0.00
	92	-41.0	616.1	-0.0	-0.00	0.00	0.00
2	91	96.1	2963.5	-0.0	0.00	0.00	0.00
	92	-96.1	2963.5	-0.0	-0.00	0.00	0.00
3	91	-9789.2	4090.3	270.4	0.00	0.00	0.00
	92	9789.2	4090.3	270.4	-0.00	0.00	0.00
4	91	-9679.6	2963.5	-0.0	0.00	0.00	0.00
	92	9679.6	2963.5	-0.0	-0.00	0.00	0.00
5	91	-9691.6	2118.5	-202.8	0.00	0.00	0.00
	92	9691.6	2118.5	-202.8	-0.00	0.00	0.00
6	91	-9759.9	2963.5	-0.0	0.00	0.00	0.00
	92	9759.9	2963.5	-0.0	-0.00	0.00	0.00
7	91	9872.2	4090.3	270.4	0.00	0.00	0.00
	92	-9872.2	4090.3	270.4	-0.00	0.00	0.00
8	91	9981.7	2963.5	-0.0	0.00	0.00	0.00
	92	-9981.7	2963.5	-0.0	-0.00	0.00	0.00
9	91	9969.8	2118.5	-202.8	-0.00	0.00	0.00
	92	-9969.8	2118.5	-202.8	0.00	0.00	0.00
10	91	9901.5	2963.5	-0.0	0.00	0.00	0.00
	92	-9901.5	2963.5	-0.0	-0.00	0.00	0.00
11	91	-9853.1	3667.8	450.7	0.00	0.00	0.00
	92	9853.1	3667.8	450.7	-0.00	0.00	0.00
12	91	9808.3	3667.8	450.7	0.00	0.00	0.00
	92	-9808.3	3667.8	450.7	-0.00	0.00	0.00
13	91	-9670.5	1789.8	-0.0	0.00	0.00	0.00
	92	9670.5	1789.8	-0.0	-0.00	0.00	0.00
14	91	9990.9	1789.8	-0.0	0.00	0.00	0.00
	92	-9990.9	1789.8	-0.0	-0.00	0.00	0.00
15	91	-9690.4	381.4	-338.0	0.00	0.00	0.00
	92	9690.4	381.4	-338.0	-0.00	0.00	0.00
16	91	9971.0	381.4	-338.0	-0.00	0.00	0.00
	92	-9971.0	381.4	-338.0	0.00	0.00	0.00
17	91	-9804.3	1789.8	-0.0	0.00	0.00	0.00
	92	9804.3	1789.8	-0.0	-0.00	0.00	0.00
18	91	9857.1	1789.8	-0.0	-0.00	0.00	0.00
	92	-9857.1	1789.8	-0.0	0.00	0.00	0.00
19	91	-16370.5	2916.6	270.4	0.00	0.00	0.00
	92	16370.5	2916.6	270.4	-0.00	0.00	0.00
20	91	16398.5	2916.6	270.4	0.00	0.00	0.00
	92	-16398.5	2916.6	270.4	-0.00	0.00	0.00
21	91	-16261.0	1789.8	-0.0	0.00	0.00	0.00
	92	16261.0	1789.8	-0.0	-0.00	0.00	0.00
22	91	16508.0	1789.8	-0.0	-0.00	0.00	0.00
	92	-16508.0	1789.8	-0.0	0.00	0.00	0.00
23	91	-16272.9	944.8	-202.8	0.00	0.00	0.00
	92	16272.9	944.8	-202.8	-0.00	0.00	0.00
24	91	16496.1	944.8	-202.8	-0.00	0.00	0.00
	92	-16496.1	944.8	-202.8	0.00	0.00	0.00
25	91	-16341.2	1789.8	-0.0	0.00	0.00	0.00

	92	16341.2	1789.8	-0.0	-0.00	0.00	0.00
26	91	16427.7	1789.8	-0.0	-0.00	0.00	0.00
	92	-16427.7	1789.8	-0.0	0.00	0.00	0.00
27	91	174.9	1983.9	-0.0	-0.00	0.00	0.00
	92	-174.9	1983.9	-0.0	0.00	0.00	0.00
28	91	327.4	1983.9	-0.0	-0.00	0.00	0.00
	92	-327.4	1983.9	-0.0	0.00	0.00	0.00
29	91	-132.8	1983.9	-0.0	0.00	0.00	0.00
	92	132.8	1983.9	-0.0	-0.00	0.00	0.00
30	91	10.0	1983.9	-0.0	0.00	0.00	0.00
	92	-10.0	1983.9	-0.0	-0.00	0.00	0.00
31	91	-196.1	1983.9	-0.0	0.00	0.00	0.00
	92	196.1	1983.9	-0.0	-0.00	0.00	0.00
32	91	-43.6	1983.9	-0.0	0.00	0.00	0.00
	92	43.6	1983.9	-0.0	-0.00	0.00	0.00
33	91	375.4	1983.9	-0.0	-0.00	0.00	0.00
	92	-375.4	1983.9	-0.0	0.00	0.00	0.00
34	91	264.1	1983.9	-0.0	0.00	0.00	0.00
	92	-264.1	1983.9	-0.0	-0.00	0.00	0.00
35	91	47.3	1201.4	-0.0	0.00	0.00	0.00
	92	-47.3	1201.4	-0.0	-0.00	0.00	0.00
36	91	-7.4	1170.1	180.3	0.00	0.00	0.00
	92	7.4	1170.1	180.3	-0.00	0.00	0.00
37	91	65.6	418.9	-0.0	0.00	0.00	0.00
	92	-65.6	418.9	-0.0	-0.00	0.00	0.00
38	91	57.6	-144.5	-135.2	0.00	0.00	0.00
	92	-57.6	-144.5	-135.2	-0.00	0.00	0.00
39	91	12.1	418.9	-0.0	0.00	0.00	0.00
	92	-12.1	418.9	-0.0	-0.00	0.00	0.00
40	91	-6524.9	418.9	-0.0	0.00	0.00	0.00
	92	6524.9	418.9	-0.0	-0.00	0.00	0.00
41	91	6582.7	418.9	-0.0	-0.00	0.00	0.00
	92	-6582.7	418.9	-0.0	0.00	0.00	0.00
42	91	65.6	1983.9	-0.0	0.00	0.00	0.00
	92	-65.6	1983.9	-0.0	-0.00	0.00	0.00
43	91	165.7	1983.9	-0.0	-0.00	0.00	0.00
	92	-165.7	1983.9	-0.0	0.00	0.00	0.00
44	91	323.8	1983.9	-0.0	-0.00	0.00	0.00
	92	-323.8	1983.9	-0.0	0.00	0.00	0.00
45	91	-144.1	1983.9	-0.0	-0.00	0.00	0.00
	92	144.1	1983.9	-0.0	0.00	0.00	0.00
46	91	-251.6	1983.9	-0.0	0.00	0.00	0.00
	92	251.6	1983.9	-0.0	-0.00	0.00	0.00
47	91	-192.5	1983.9	-0.0	0.00	0.00	0.00
	92	192.5	1983.9	-0.0	-0.00	0.00	0.00
48	91	-34.4	1983.9	-0.0	0.00	0.00	0.00
	92	34.4	1983.9	-0.0	-0.00	0.00	0.00
49	91	382.9	1983.9	-0.0	0.00	0.00	0.00
	92	-382.9	1983.9	-0.0	-0.00	0.00	0.00
50	91	275.4	1983.9	-0.0	0.00	0.00	0.00
	92	-275.4	1983.9	-0.0	-0.00	0.00	0.00
51	91	111.2	418.9	-0.0	-0.00	0.00	0.00
	92	-111.2	418.9	-0.0	0.00	0.00	0.00
52	91	238.9	418.9	-0.0	-0.00	0.00	0.00
	92	-238.9	418.9	-0.0	0.00	0.00	0.00
53	91	-140.1	418.9	-0.0	-0.00	0.00	0.00

	92	140.1	418.9	-0.0	0.00	0.00	0.00
54	91	-227.8	418.9	-0.0	0.00	0.00	0.00
	92	227.8	418.9	-0.0	-0.00	0.00	0.00
55	91	-181.1	418.9	-0.0	0.00	0.00	0.00
	92	181.1	418.9	-0.0	-0.00	0.00	0.00
56	91	-53.3	418.9	-0.0	0.00	0.00	0.00
	92	53.3	418.9	-0.0	-0.00	0.00	0.00
57	91	285.6	418.9	-0.0	0.00	0.00	0.00
	92	-285.6	418.9	-0.0	-0.00	0.00	0.00
58	91	198.0	418.9	-0.0	0.00	0.00	0.00
	92	-198.0	418.9	-0.0	-0.00	0.00	0.00
1	92	43.6	616.1	-0.0	0.00	0.00	0.00
	93	-43.6	616.1	-0.0	-0.00	0.00	0.00
2	92	99.6	2963.5	-0.0	-0.00	0.00	0.00
	93	-99.6	2963.5	-0.0	0.00	0.00	0.00
3	92	-9659.4	4090.3	270.4	0.00	0.00	0.00
	93	9659.4	4090.3	270.4	-0.00	0.00	0.00
4	92	-9536.9	2963.5	-0.0	0.00	0.00	0.00
	93	9536.9	2963.5	-0.0	-0.00	0.00	0.00
5	92	-9551.9	2118.5	-202.8	0.00	0.00	0.00
	93	9551.9	2118.5	-202.8	-0.00	0.00	0.00
6	92	-9631.1	2963.5	-0.0	0.00	0.00	0.00
	93	9631.1	2963.5	-0.0	-0.00	0.00	0.00
7	92	9738.5	4090.3	270.4	-0.00	0.00	0.00
	93	-9738.5	4090.3	270.4	0.00	0.00	0.00
8	92	9861.0	2963.5	-0.0	-0.00	0.00	0.00
	93	-9861.0	2963.5	-0.0	0.00	0.00	0.00
9	92	9846.0	2118.5	-202.8	-0.00	0.00	0.00
	93	-9846.0	2118.5	-202.8	0.00	0.00	0.00
10	92	9766.8	2963.5	-0.0	-0.00	0.00	0.00
	93	-9766.8	2963.5	-0.0	0.00	0.00	0.00
11	92	-9727.4	3667.8	450.7	0.00	0.00	0.00
	93	9727.4	3667.8	450.7	-0.00	0.00	0.00
12	92	9670.5	3667.8	450.7	-0.00	0.00	0.00
	93	-9670.5	3667.8	450.7	0.00	0.00	0.00
13	92	-9523.2	1789.8	-0.0	0.00	0.00	0.00
	93	9523.2	1789.8	-0.0	-0.00	0.00	0.00
14	92	9874.7	1789.8	-0.0	-0.00	0.00	0.00
	93	-9874.7	1789.8	-0.0	0.00	0.00	0.00
15	92	-9548.3	381.4	-338.0	0.00	0.00	0.00
	93	9548.3	381.4	-338.0	-0.00	0.00	0.00
16	92	9849.6	381.4	-338.0	-0.00	0.00	0.00
	93	-9849.6	381.4	-338.0	0.00	0.00	0.00
17	92	-9680.2	1789.8	-0.0	0.00	0.00	0.00
	93	9680.2	1789.8	-0.0	-0.00	0.00	0.00
18	92	9717.7	1789.8	-0.0	-0.00	0.00	0.00
	93	-9717.7	1789.8	-0.0	0.00	0.00	0.00
19	92	-16153.4	2916.6	270.4	0.00	0.00	0.00
	93	16153.4	2916.6	270.4	-0.00	0.00	0.00
20	92	16176.5	2916.6	270.4	-0.00	0.00	0.00
	93	-16176.5	2916.6	270.4	0.00	0.00	0.00
21	92	-16030.8	1789.8	-0.0	0.00	0.00	0.00
	93	16030.8	1789.8	-0.0	-0.00	0.00	0.00
22	92	16299.0	1789.8	-0.0	-0.00	0.00	0.00
	93	-16299.0	1789.8	-0.0	0.00	0.00	0.00

	92	-16045.9	944.8	-202.8	0.00	0.00	0.00
	93	16045.9	944.8	-202.8	-0.00	0.00	0.00
24	92	16284.0	944.8	-202.8	-0.00	0.00	0.00
	93	-16284.0	944.8	-202.8	0.00	0.00	0.00
25	92	-16125.1	1789.8	-0.0	0.00	0.00	0.00
	93	16125.1	1789.8	-0.0	-0.00	0.00	0.00
26	92	16204.8	1789.8	-0.0	-0.00	0.00	0.00
	93	-16204.8	1789.8	-0.0	0.00	0.00	0.00
27	92	248.5	1983.9	-0.0	-0.00	0.00	0.00
	93	-248.5	1983.9	-0.0	0.00	0.00	0.00
28	92	212.2	1983.9	-0.0	0.00	0.00	0.00
	93	-212.2	1983.9	-0.0	-0.00	0.00	0.00
29	92	177.5	1983.9	-0.0	-0.00	0.00	0.00
	93	-177.5	1983.9	-0.0	0.00	0.00	0.00
30	92	19.7	1983.9	-0.0	-0.00	0.00	0.00
	93	-19.7	1983.9	-0.0	0.00	0.00	0.00
31	92	-75.5	1983.9	-0.0	-0.00	0.00	0.00
	93	75.5	1983.9	-0.0	0.00	0.00	0.00
32	92	-111.9	1983.9	-0.0	-0.00	0.00	0.00
	93	111.9	1983.9	-0.0	0.00	0.00	0.00
33	92	56.3	1983.9	-0.0	0.00	0.00	0.00
	93	-56.3	1983.9	-0.0	-0.00	0.00	0.00
34	92	-40.9	1983.9	-0.0	0.00	0.00	0.00
	93	40.9	1983.9	-0.0	-0.00	0.00	0.00
35	92	49.7	1201.4	-0.0	-0.00	0.00	0.00
	93	-49.7	1201.4	-0.0	0.00	0.00	0.00
36	92	-9.0	1170.1	180.3	-0.00	0.00	0.00
	93	9.0	1170.1	180.3	0.00	0.00	0.00
37	92	72.6	418.9	-0.0	0.00	0.00	0.00
	93	-72.6	418.9	-0.0	-0.00	0.00	0.00
38	92	62.6	-144.5	-135.2	0.00	0.00	0.00
	93	-62.6	-144.5	-135.2	-0.00	0.00	0.00
39	92	9.8	418.9	-0.0	0.00	0.00	0.00
	93	-9.8	418.9	-0.0	-0.00	0.00	0.00
40	92	-6435.0	418.9	-0.0	0.00	0.00	0.00
	93	6435.0	418.9	-0.0	-0.00	0.00	0.00
41	92	6497.0	418.9	-0.0	-0.00	0.00	0.00
	93	-6497.0	418.9	-0.0	0.00	0.00	0.00
42	92	68.3	1983.9	-0.0	-0.00	0.00	0.00
	93	-68.3	1983.9	-0.0	0.00	0.00	0.00
43	92	203.2	1983.9	-0.0	-0.00	0.00	0.00
	93	-203.2	1983.9	-0.0	0.00	0.00	0.00
44	92	237.6	1983.9	-0.0	0.00	0.00	0.00
	93	-237.6	1983.9	-0.0	-0.00	0.00	0.00
45	92	56.7	1983.9	-0.0	-0.00	0.00	0.00
	93	-56.7	1983.9	-0.0	0.00	0.00	0.00
46	92	-34.6	1983.9	-0.0	-0.00	0.00	0.00
	93	34.6	1983.9	-0.0	0.00	0.00	0.00
47	92	-100.9	1983.9	-0.0	-0.00	0.00	0.00
	93	100.9	1983.9	-0.0	0.00	0.00	0.00
48	92	-66.6	1983.9	-0.0	-0.00	0.00	0.00
	93	66.6	1983.9	-0.0	0.00	0.00	0.00
49	92	171.2	1983.9	-0.0	0.00	0.00	0.00
	93	-171.2	1983.9	-0.0	-0.00	0.00	0.00
50	92	80.0	1983.9	-0.0	0.00	0.00	0.00
	93	-80.0	1983.9	-0.0	-0.00	0.00	0.00

	92	140.9	418.9	-0.0	0.00	0.00	0.00
	93	-140.9	418.9	-0.0	-0.00	0.00	0.00
52	92	168.9	418.9	-0.0	0.00	0.00	0.00
	93	-168.9	418.9	-0.0	-0.00	0.00	0.00
53	92	21.4	418.9	-0.0	-0.00	0.00	0.00
	93	-21.4	418.9	-0.0	0.00	0.00	0.00
54	92	-52.9	418.9	-0.0	-0.00	0.00	0.00
	93	52.9	418.9	-0.0	0.00	0.00	0.00
55	92	-106.9	418.9	-0.0	-0.00	0.00	0.00
	93	106.9	418.9	-0.0	0.00	0.00	0.00
56	92	-78.9	418.9	-0.0	-0.00	0.00	0.00
	93	78.9	418.9	-0.0	0.00	0.00	0.00
57	92	114.9	418.9	-0.0	0.00	0.00	0.00
	93	-114.9	418.9	-0.0	-0.00	0.00	0.00
58	92	40.6	418.9	-0.0	0.00	0.00	0.00
	93	-40.6	418.9	-0.0	-0.00	0.00	0.00
1	93	45.9	615.7	-0.0	-0.00	0.00	0.00
	94	-45.9	615.7	-0.0	0.00	0.00	0.00
2	93	102.6	2961.7	0.0	-0.00	0.00	0.00
	94	-102.6	2961.7	0.0	0.00	0.00	0.00
3	93	-9394.7	4087.7	270.3	-0.00	0.00	0.00
	94	9394.7	4087.7	270.3	0.00	0.00	0.00
4	93	-9254.5	2961.7	0.0	-0.00	0.00	0.00
	94	9254.5	2961.7	0.0	0.00	0.00	0.00
5	93	-9271.0	2117.1	-202.7	-0.00	0.00	0.00
	94	9271.0	2117.1	-202.7	0.00	0.00	0.00
6	93	-9365.2	2961.7	0.0	-0.00	0.00	0.00
	94	9365.2	2961.7	0.0	0.00	0.00	0.00
7	93	9461.7	4087.7	270.3	-0.00	0.00	0.00
	94	-9461.7	4087.7	270.3	0.00	0.00	0.00
8	93	9601.8	2961.7	0.0	0.00	0.00	0.00
	94	-9601.8	2961.7	0.0	-0.00	0.00	0.00
9	93	9585.3	2117.1	-202.7	0.00	0.00	0.00
	94	-9585.3	2117.1	-202.7	-0.00	0.00	0.00
10	93	9491.1	2961.7	0.0	0.00	0.00	0.00
	94	-9491.1	2961.7	0.0	-0.00	0.00	0.00
11	93	-9469.1	3665.4	450.4	-0.00	0.00	0.00
	94	9469.1	3665.4	450.4	0.00	0.00	0.00
12	93	9387.3	3665.4	450.4	-0.00	0.00	0.00
	94	-9387.3	3665.4	450.4	0.00	0.00	0.00
13	93	-9235.6	1788.7	0.0	-0.00	0.00	0.00
	94	9235.6	1788.7	0.0	0.00	0.00	0.00
14	93	9620.8	1788.7	0.0	0.00	0.00	0.00
	94	-9620.8	1788.7	0.0	-0.00	0.00	0.00
15	93	-9263.0	381.1	-337.8	-0.00	0.00	0.00
	94	9263.0	381.1	-337.8	0.00	0.00	0.00
16	93	9593.3	381.1	-337.8	0.00	0.00	0.00
	94	-9593.3	381.1	-337.8	-0.00	0.00	0.00
17	93	-9420.0	1788.7	0.0	-0.00	0.00	0.00
	94	9420.0	1788.7	0.0	0.00	0.00	0.00
18	93	9436.3	1788.7	0.0	0.00	0.00	0.00
	94	-9436.3	1788.7	0.0	-0.00	0.00	0.00
19	93	-15708.5	2914.7	270.3	-0.00	0.00	0.00
	94	15708.5	2914.7	270.3	0.00	0.00	0.00
20	93	15718.8	2914.7	270.3	0.00	0.00	0.00

	94	-15718.8	2914.7	270.3	-0.00	0.00	0.00
21	93	-15568.3	1788.7	0.0	-0.00	0.00	0.00
	94	15568.3	1788.7	0.0	0.00	0.00	0.00
22	93	15858.9	1788.7	0.0	0.00	0.00	0.00
	94	-15858.9	1788.7	0.0	-0.00	0.00	0.00
23	93	-15584.8	944.2	-202.7	-0.00	0.00	0.00
	94	15584.8	944.2	-202.7	0.00	0.00	0.00
24	93	15842.4	944.2	-202.7	0.00	0.00	0.00
	94	-15842.4	944.2	-202.7	-0.00	0.00	0.00
25	93	-15679.0	1788.7	0.0	-0.00	0.00	0.00
	94	15679.0	1788.7	0.0	0.00	0.00	0.00
26	93	15748.2	1788.7	0.0	0.00	0.00	0.00
	94	-15748.2	1788.7	0.0	-0.00	0.00	0.00
27	93	315.5	1982.6	0.0	-0.00	0.00	0.00
	94	-315.5	1982.6	0.0	0.00	0.00	0.00
28	93	195.1	1982.6	0.0	-0.00	0.00	0.00
	94	-195.1	1982.6	0.0	0.00	0.00	0.00
29	93	326.7	1982.6	0.0	-0.00	0.00	0.00
	94	-326.7	1982.6	0.0	0.00	0.00	0.00
30	93	15.2	1982.6	0.0	-0.00	0.00	0.00
	94	-15.2	1982.6	0.0	0.00	0.00	0.00
31	93	-53.8	1982.6	0.0	-0.00	0.00	0.00
	94	53.8	1982.6	0.0	0.00	0.00	0.00
32	93	-174.3	1982.6	0.0	-0.00	0.00	0.00
	94	174.3	1982.6	0.0	0.00	0.00	0.00
33	93	-74.7	1982.6	0.0	-0.00	0.00	0.00
	94	74.7	1982.6	0.0	0.00	0.00	0.00
34	93	-185.5	1982.6	0.0	-0.00	0.00	0.00
	94	185.5	1982.6	0.0	0.00	0.00	0.00
35	93	51.7	1200.6	0.0	-0.00	0.00	0.00
	94	-51.7	1200.6	0.0	0.00	0.00	0.00
36	93	-13.3	1169.3	180.2	-0.00	0.00	0.00
	94	13.3	1169.3	180.2	0.00	0.00	0.00
37	93	80.1	418.6	-0.0	-0.00	0.00	0.00
	94	-80.1	418.6	-0.0	0.00	0.00	0.00
38	93	69.1	-144.4	-135.1	0.00	0.00	0.00
	94	-69.1	-144.4	-135.1	-0.00	0.00	0.00
39	93	6.4	418.6	-0.0	-0.00	0.00	0.00
	94	-6.4	418.6	-0.0	0.00	0.00	0.00
40	93	-6252.7	418.6	-0.0	-0.00	0.00	0.00
	94	6252.7	418.6	-0.0	0.00	0.00	0.00
41	93	6318.2	418.6	-0.0	0.00	0.00	0.00
	94	-6318.2	418.6	-0.0	-0.00	0.00	0.00
42	93	70.6	1982.6	0.0	-0.00	0.00	0.00
	94	-70.6	1982.6	0.0	0.00	0.00	0.00
43	93	308.8	1982.6	0.0	-0.00	0.00	0.00
	94	-308.8	1982.6	0.0	0.00	0.00	0.00
44	93	184.0	1982.6	0.0	-0.00	0.00	0.00
	94	-184.0	1982.6	0.0	0.00	0.00	0.00
45	93	331.3	1982.6	0.0	-0.00	0.00	0.00
	94	-331.3	1982.6	0.0	0.00	0.00	0.00
46	93	225.8	1982.6	0.0	-0.00	0.00	0.00
	94	-225.8	1982.6	0.0	0.00	0.00	0.00
47	93	-42.8	1982.6	0.0	-0.00	0.00	0.00
	94	42.8	1982.6	0.0	0.00	0.00	0.00
48	93	-167.6	1982.6	0.0	-0.00	0.00	0.00

	94	167.6	1982.6	0.0	0.00	0.00	0.00
49	93	-84.6	1982.6	0.0	-0.00	0.00	0.00
	94	84.6	1982.6	0.0	0.00	0.00	0.00
50	93	-190.1	1982.6	0.0	-0.00	0.00	0.00
	94	190.1	1982.6	0.0	0.00	0.00	0.00
51	93	225.9	418.6	-0.0	0.00	0.00	0.00
	94	-225.9	418.6	-0.0	-0.00	0.00	0.00
52	93	125.6	418.6	-0.0	0.00	0.00	0.00
	94	-125.6	418.6	-0.0	-0.00	0.00	0.00
53	93	242.9	418.6	-0.0	-0.00	0.00	0.00
	94	-242.9	418.6	-0.0	0.00	0.00	0.00
54	93	157.1	418.6	-0.0	-0.00	0.00	0.00
	94	-157.1	418.6	-0.0	0.00	0.00	0.00
55	93	-60.0	418.6	-0.0	-0.00	0.00	0.00
	94	60.0	418.6	-0.0	0.00	0.00	0.00
56	93	-160.4	418.6	-0.0	-0.00	0.00	0.00
	94	160.4	418.6	-0.0	0.00	0.00	0.00
57	93	-91.5	418.6	-0.0	0.00	0.00	0.00
	94	91.5	418.6	-0.0	-0.00	0.00	0.00
58	93	-177.3	418.6	-0.0	-0.00	0.00	0.00
	94	177.3	418.6	-0.0	0.00	0.00	0.00
1	95	-137.3	-511.5	-25.6	-0.18	0.03	-0.85
	101	137.3	511.5	25.6	0.18	0.05	-0.79
2	95	204.3	-627.7	38.5	-0.28	-0.13	-1.04
	101	-204.3	627.7	-38.5	0.28	0.01	-0.97
3	95	47235.2	2767.3	-2870.8	0.60	5.20	4.50
	101	-47235.2	-2767.3	3066.6	-0.60	4.30	4.36
4	95	46418.8	3273.2	-3049.4	0.59	5.28	5.34
	101	-46418.8	-3273.2	3049.4	-0.59	4.48	5.14
5	95	48311.7	2479.4	-3327.5	0.66	5.65	4.00
	101	-48311.7	-2479.4	3001.2	-0.66	4.48	3.94
6	95	49136.8	2034.3	-3099.2	0.65	5.59	3.26
	101	-49136.8	-2034.3	3099.2	-0.65	4.33	3.25
7	95	-47968.8	-3703.1	3321.2	-1.19	-5.86	-6.01
	101	47968.8	3703.1	-3125.4	1.19	-4.46	-5.84
8	95	-48785.2	-3197.3	3142.6	-1.20	-5.78	-5.18
	101	48785.2	3197.3	-3142.6	1.20	-4.28	-5.06
9	95	-46892.3	-3991.0	2864.4	-1.13	-5.41	-6.51
	101	46892.3	3991.0	-3190.8	1.13	-4.28	-6.26
10	95	-46067.1	-4436.2	3092.8	-1.14	-5.47	-7.25
	101	46067.1	4436.2	-3092.8	1.14	-4.43	-6.95
11	95	46683.7	2932.1	-2778.3	0.63	5.15	4.78
	101	-46683.7	-2932.1	3104.7	-0.63	4.26	4.60
12	95	-48520.3	-3538.4	3413.6	-1.16	-5.90	-5.73
	101	48520.3	3538.4	-3087.3	1.16	-4.50	-5.59
13	95	45323.0	3775.1	-3076.0	0.62	5.28	6.17
	101	-45323.0	-3775.1	3076.0	-0.62	4.57	5.91
14	95	-49881.0	-2695.3	3115.9	-1.17	-5.78	-4.34
	101	49881.0	2695.3	-3115.9	1.17	-4.19	-4.29
15	95	48477.8	2452.2	-3539.6	0.74	5.90	3.94
	101	-48477.8	-2452.2	2995.7	-0.74	4.56	3.91
16	95	-46726.2	-4018.2	2652.4	-1.05	-5.16	-6.57
	101	46726.2	4018.2	-3196.3	1.05	-4.20	-6.29
17	95	49853.1	1710.3	-3159.0	0.72	5.79	2.72
	101	-49853.1	-1710.3	3159.0	-0.72	4.32	2.76

	95	-45350.9	-4760.2	3033.0	-1.07	-5.26	-7.80
	101	45350.9	4760.2	-3033.0	1.07	-4.44	-7.44
19	95	78799.1	4982.3	-4966.8	1.24	8.97	8.10
	101	-78799.1	-4982.3	5162.6	-1.24	7.24	7.85
20	95	-79874.3	-5801.8	5353.1	-1.74	-9.46	-9.42
	101	79874.3	5801.8	-5157.3	1.74	-7.36	-9.14
21	95	77982.7	5488.1	-5145.4	1.23	9.04	8.93
	101	-77982.7	-5488.1	5145.4	-1.23	7.42	8.63
22	95	-80690.7	-5295.9	5174.5	-1.75	-9.39	-8.59
	101	80690.7	5295.9	-5174.5	1.75	-7.17	-8.36
23	95	79875.5	4694.4	-5423.6	1.31	9.41	7.59
	101	-79875.5	-4694.4	5097.2	-1.31	7.42	7.43
24	95	-78797.8	-6089.7	4896.4	-1.68	-9.01	-9.93
	101	78797.8	6089.7	-5222.7	1.68	-7.18	-9.56
25	95	80700.7	4249.2	-5195.2	1.29	9.35	6.86
	101	-80700.7	-4249.2	5195.2	-1.29	7.27	6.74
26	95	-77972.6	-6534.8	5124.8	-1.69	-9.08	-10.66
	101	77972.6	6534.8	-5124.8	1.69	-7.32	-10.25
27	95	6551.8	-4277.3	-95.0	-0.73	-0.16	-7.09
	101	-6551.8	4277.3	95.0	0.73	0.42	-6.60
28	95	5031.0	-1041.9	-489.2	-1.20	-0.29	-1.75
	101	-5031.0	1041.9	489.2	1.20	1.79	-1.59
29	95	4342.5	-6504.5	579.6	0.36	0.10	-10.75
	101	-4342.5	6504.5	-579.6	-0.36	-1.93	-10.07
30	95	-1606.7	214.5	106.5	0.03	-0.02	0.36
	101	1606.7	-214.5	-106.5	-0.03	-0.30	0.32
31	95	-4829.9	144.3	518.2	0.81	0.15	0.27
	101	4829.9	-144.3	-518.2	-0.81	-1.74	0.19
32	95	-6350.8	3379.8	124.0	0.34	0.02	5.61
	101	6350.8	-3379.8	-124.0	-0.34	-0.38	5.21
33	95	-726.9	4280.4	-734.5	-1.21	-0.34	7.06
	101	726.9	-4280.4	734.5	1.21	2.63	6.64
34	95	-4141.4	5606.9	-550.6	-0.75	-0.24	9.27
	101	4141.4	-5606.9	550.6	0.75	1.98	8.67
35	95	-13.3	-410.0	-6.8	-0.17	-0.02	-0.68
	101	13.3	410.0	6.8	0.17	0.04	-0.63
36	95	-507.9	-264.7	96.3	-0.15	-0.09	-0.43
	101	507.9	264.7	34.3	0.15	-0.01	-0.42
37	95	-1052.2	72.5	-22.8	-0.15	-0.04	0.13
	101	1052.2	-72.5	22.8	0.15	0.12	0.10
38	95	209.7	-456.6	-208.2	-0.10	0.21	-0.77
	101	-209.7	456.6	-9.3	0.10	0.11	-0.70
39	95	759.9	-753.4	-56.0	-0.11	0.16	-1.25
	101	-759.9	753.4	56.0	0.11	0.02	-1.16
40	95	31607.5	1785.5	-2092.2	0.46	3.72	2.89
	101	-31607.5	-1785.5	2092.2	-0.46	2.97	2.83
41	95	-31861.9	-2528.1	2035.8	-0.73	-3.65	-4.12
	101	31861.9	2528.1	-2035.8	0.73	-2.87	-3.97
42	95	100.5	-448.8	14.5	-0.20	-0.07	-0.74
	101	-100.5	448.8	-14.5	0.20	0.02	-0.70
43	95	6746.9	-4410.1	-91.4	-0.75	-0.16	-7.31
	101	-6746.9	4410.1	91.4	0.75	0.43	-6.80
44	95	5204.4	-1030.6	-498.1	-1.25	-0.30	-1.73
	101	-5204.4	1030.6	498.1	1.25	1.85	-1.57
45	95	4433.9	-6762.7	599.6	0.39	0.10	-11.17
	101	-4433.9	6762.7	-599.6	-0.39	-2.01	-10.47

	95	908.9	-5399.7	785.2	0.87	0.20	-8.91
	101	-908.9	5399.7	-785.2	-0.87	-2.68	-8.37
47	95	-5003.3	133.0	527.1	0.85	0.15	0.25
	101	5003.3	-133.0	-527.1	-0.85	-1.80	0.18
48	95	-6545.8	3512.5	120.4	0.36	0.02	5.83
	101	6545.8	-3512.5	-120.4	-0.36	-0.38	5.41
49	95	-707.8	4502.2	-756.1	-1.26	-0.34	7.43
	101	707.8	-4502.2	756.1	1.26	2.73	6.98
50	95	-4232.9	5865.1	-570.6	-0.78	-0.24	9.69
	101	4232.9	-5865.1	570.6	0.78	2.06	9.07
51	95	5291.4	-3584.0	-111.9	-0.58	-0.04	-5.95
	101	-5291.4	3584.0	111.9	0.58	0.37	-5.52
52	95	4026.6	-861.3	-438.4	-0.98	-0.14	-1.45
	101	-4026.6	861.3	438.4	0.98	1.51	-1.31
53	95	3416.7	-5464.4	441.8	0.33	0.18	-9.03
	101	-3416.7	5464.4	-441.8	-0.33	-1.58	-8.45
54	95	545.0	-4353.6	590.0	0.72	0.25	-7.18
	101	-545.0	4353.6	-590.0	-0.72	-2.11	-6.75
55	95	-4281.0	118.8	382.0	0.71	0.22	0.22
	101	4281.0	-118.8	-382.0	-0.71	-1.41	0.16
56	95	-5545.8	2841.4	55.5	0.32	0.11	4.71
	101	5545.8	-2841.4	-55.5	-0.32	-0.27	4.38
57	95	-799.3	3611.0	-646.4	-0.99	-0.18	5.95
	101	799.3	-3611.0	646.4	0.99	2.22	5.60
58	95	-3671.0	4721.8	-498.2	-0.60	-0.10	7.80
	101	3671.0	-4721.8	498.2	0.60	1.69	7.31
1	101	1380.0	-615.6	34.4	-0.01	-0.04	-1.17
	102	-1380.0	615.6	-34.4	0.01	-0.11	-1.57
2	101	1749.2	-692.9	0.3	0.03	0.07	-1.35
	102	-1749.2	692.9	-0.3	-0.03	-0.07	-1.73
3	101	71738.8	1158.1	1305.0	0.49	-3.35	3.14
	102	-71738.8	-1158.1	-1032.7	-0.49	-1.85	2.02
4	101	71161.3	1444.4	1240.0	0.46	-3.45	3.78
	102	-71161.3	-1444.4	-1240.0	-0.46	-2.07	2.65
5	101	73075.1	1035.4	1071.8	0.45	-3.34	2.86
	102	-73075.1	-1035.4	-1525.6	-0.45	-2.44	1.75
6	101	73665.7	785.8	1196.9	0.48	-3.29	2.30
	102	-73665.7	-785.8	-1196.9	-0.48	-2.04	1.20
7	101	-69676.5	-2410.5	-1144.7	-0.38	3.49	-5.54
	102	69676.5	2410.5	1417.0	0.38	2.21	-5.19
8	101	-70253.9	-2124.2	-1209.8	-0.40	3.39	-4.89
	102	70253.9	2124.2	1209.8	0.40	1.99	-4.56
9	101	-68340.1	-2533.2	-1378.0	-0.41	3.50	-5.81
	102	68340.1	2533.2	924.2	0.41	1.62	-5.46
10	101	-67749.6	-2782.8	-1252.8	-0.39	3.55	-6.38
	102	67749.6	2782.8	1252.8	0.39	2.02	-6.01
11	101	71075.4	1241.2	1375.3	0.48	-3.40	3.33
	102	-71075.4	-1241.2	-921.5	-0.48	-1.71	2.20
12	101	-70339.8	-2327.4	-1074.4	-0.38	3.44	-5.35
	102	70339.8	2327.4	1528.3	0.38	2.35	-5.01
13	101	70113.0	1718.4	1266.9	0.44	-3.56	4.40
	102	-70113.0	-1718.4	-1266.9	-0.44	-2.08	3.24
14	101	-71302.3	-1850.2	-1182.9	-0.43	3.28	-4.27
	102	71302.3	1850.2	1182.9	0.43	1.98	-3.96
15	101	73302.6	1036.7	986.6	0.42	-3.39	2.86

	102	-73302.6	-1036.7	-1742.9	-0.42	-2.69	1.75
16	101	-68112.6	-2532.0	-1463.2	-0.44	3.45	-5.81
	102	68112.6	2532.0	706.8	0.44	1.37	-5.46
17	101	74286.9	620.7	1195.2	0.46	-3.29	1.93
	102	-74286.9	-620.7	-1195.2	-0.46	-2.03	0.84
18	101	-67128.3	-2947.9	-1254.6	-0.40	3.55	-6.75
	102	67128.3	2947.9	1254.6	0.40	2.03	-6.37
19	101	118692.6	2386.3	2138.7	0.76	-5.68	6.12
	102	-118692.6	-2386.3	-1866.4	-0.76	-3.23	4.50
20	101	-116999.5	-3561.4	-1944.3	-0.69	5.72	-8.34
	102	116999.5	3561.4	2216.5	0.69	3.54	-7.51
21	101	118115.1	2672.6	2073.6	0.73	-5.78	6.76
	102	-118115.1	-2672.6	-2073.6	-0.73	-3.45	5.13
22	101	-117577.0	-3275.1	-2009.3	-0.71	5.62	-7.69
	102	117577.0	3275.1	2009.3	0.71	3.32	-6.88
23	101	120028.9	2263.5	1905.4	0.72	-5.67	5.84
	102	-120028.9	-2263.5	-2359.2	-0.72	-3.82	4.23
24	101	-115663.2	-3684.1	-2177.5	-0.72	5.73	-8.62
	102	115663.2	3684.1	1723.7	0.72	2.95	-7.78
25	101	120619.4	2014.0	2030.6	0.74	-5.62	5.28
	102	-120619.4	-2014.0	-2030.6	-0.74	-3.42	3.69
26	101	-115072.6	-3933.7	-2052.3	-0.70	5.78	-9.18
	102	115072.6	3933.7	2052.3	0.70	3.35	-8.33
27	101	7766.7	-2624.3	98.6	0.26	-0.25	-5.73
	102	-7766.7	2624.3	-98.6	-0.26	-0.26	-5.95
28	101	6434.8	-892.9	854.2	0.64	-1.86	-1.86
	102	-6434.8	892.9	-854.2	-0.64	-2.02	-2.11
29	101	5249.7	-3767.1	-1112.1	-0.48	2.38	-8.26
	102	-5249.7	3767.1	1112.1	0.48	2.55	-8.50
30	101	-459.3	-129.3	-135.0	-0.11	0.35	-0.13
	102	459.3	129.3	135.0	0.11	0.27	-0.44
31	101	-3864.1	-117.7	-842.0	-0.59	1.91	-0.09
	102	3864.1	117.7	842.0	0.59	1.91	-0.43
32	101	-5196.0	1613.8	-86.5	-0.22	0.31	3.77
	102	5196.0	-1613.8	86.5	0.22	0.15	3.41
33	101	810.2	2004.5	1406.4	0.77	-2.97	4.62
	102	-810.2	-2004.5	-1406.4	-0.77	-3.32	4.30
34	101	-2679.0	2756.5	1124.2	0.52	-2.32	6.31
	102	2679.0	-2756.5	-1124.2	-0.52	-2.66	5.96
35	101	1162.3	-479.5	17.4	0.01	-0.01	-0.92
	102	-1162.3	479.5	-17.4	-0.01	-0.07	-1.22
36	101	560.5	-409.3	82.0	0.01	-0.04	-0.76
	102	-560.5	409.3	99.5	-0.01	0.08	-1.06
37	101	175.5	-218.4	38.7	-0.01	-0.10	-0.33
	102	-175.5	218.4	-38.7	0.01	-0.07	-0.64
38	101	1451.4	-491.1	-73.5	-0.02	-0.03	-0.94
	102	-1451.4	491.1	-229.1	0.02	-0.31	-1.24
39	101	1845.1	-657.5	10.0	0.00	0.01	-1.32
	102	-1845.1	657.5	-10.0	-0.00	-0.05	-1.61
40	101	48177.6	735.8	845.4	0.28	-2.32	2.03
	102	-48177.6	-735.8	-845.4	-0.28	-1.44	1.24
41	101	-46099.2	-1643.3	-787.8	-0.30	2.24	-3.75
	102	46099.2	1643.3	787.8	0.30	1.27	-3.56
42	101	1285.4	-505.3	6.1	0.02	0.03	-0.98
	102	-1285.4	505.3	-6.1	-0.02	-0.05	-1.27
43	101	7978.7	-2693.6	95.6	0.27	-0.25	-5.88

	102	-7978.7	2693.6	-95.6	-0.27	-0.25	-6.11
44	101	6624.9	-886.5	880.7	0.67	-1.92	-1.85
	102	-6624.9	886.5	-880.7	-0.67	-2.08	-2.10
45	101	5346.5	-3902.7	-1157.8	-0.50	2.47	-8.56
	102	-5346.5	3902.7	1157.8	0.50	2.66	-8.80
46	101	1736.6	-3131.8	-1447.0	-0.77	3.14	-6.83
	102	-1736.6	3131.8	1447.0	0.77	3.33	-7.10
47	101	-4054.2	-124.1	-868.6	-0.62	1.98	-0.11
	102	4054.2	124.1	868.6	0.62	1.97	-0.45
48	101	-5407.9	1683.1	-83.5	-0.23	0.31	3.93
	102	5407.9	-1683.1	83.5	0.23	0.14	3.56
49	101	834.1	2121.3	1459.1	0.81	-3.09	4.88
	102	-834.1	-2121.3	-1459.1	-0.81	-3.44	4.56
50	101	-2775.8	2892.1	1169.9	0.54	-2.42	6.61
	102	2775.8	-2892.1	-1169.9	-0.54	-2.77	6.26
51	101	6482.8	-2231.5	99.7	0.19	-0.26	-4.84
	102	-6482.8	2231.5	-99.7	-0.19	-0.25	-5.09
52	101	5380.0	-774.8	730.9	0.51	-1.60	-1.59
	102	-5380.0	774.8	-730.9	-0.51	-1.72	-1.86
53	101	4344.9	-3196.3	-907.4	-0.42	1.93	-6.98
	102	-4344.9	3196.3	907.4	0.42	2.10	-7.24
54	101	1409.6	-2566.6	-1139.3	-0.64	2.46	-5.57
	102	-1409.6	2566.6	1139.3	0.64	2.63	-5.85
55	101	-3301.6	-132.7	-673.3	-0.53	1.52	-0.13
	102	3301.6	132.7	673.3	0.53	1.54	-0.47
56	101	-4404.4	1323.9	-42.1	-0.21	0.18	3.13
	102	4404.4	-1323.9	42.1	0.21	0.07	2.77
57	101	668.8	1659.1	1196.9	0.62	-2.54	3.85
	102	-668.8	-1659.1	-1196.9	-0.62	-2.81	3.53
58	101	-2266.5	2288.8	965.0	0.41	-2.01	5.27
	102	2266.5	-2288.8	-965.0	-0.41	-2.27	4.92
1	102	-3076.7	10114.4	-65.8	-0.08	0.20	9.76
	103	3076.7	10198.1	65.8	0.08	0.21	-10.02
2	102	-3885.6	10100.7	-75.0	-0.09	0.24	9.66
	103	3885.6	10211.8	75.0	0.09	0.23	-10.00
3	102	75586.0	10524.4	-294.5	-0.36	1.53	11.86
	103	-75586.0	9788.1	677.0	0.36	1.50	-9.56
4	102	75801.0	10792.0	-414.1	-0.33	1.49	12.72
	103	-75801.0	9520.5	414.1	0.33	1.10	-8.74
5	102	78043.5	10378.1	-953.4	-0.58	2.50	11.44
	103	-78043.5	9934.4	316.0	0.58	1.47	-10.06
6	102	77946.9	10146.1	-635.0	-0.53	2.19	10.70
	103	-77946.9	10166.4	635.0	0.53	1.78	-10.76
7	102	-86075.4	9838.9	695.3	0.42	-1.95	7.91
	103	86075.4	10473.6	-312.9	-0.42	-1.20	-9.89
8	102	-85860.4	10106.5	575.7	0.45	-2.00	8.77
	103	85860.4	10206.0	-575.7	-0.45	-1.60	-9.08
9	102	-83617.9	9692.6	36.4	0.21	-0.98	7.50
	103	83617.9	10619.9	-673.8	-0.21	-1.24	-10.39
10	102	-83714.5	9460.6	354.8	0.26	-1.30	6.75
	103	83714.5	10851.9	-354.8	-0.26	-0.92	-11.10
11	102	75084.3	10585.2	-106.4	-0.27	1.22	12.06
	103	-75084.3	9727.3	743.8	0.27	1.44	-9.38
12	102	-86577.1	9899.7	883.4	0.51	-2.26	8.11
	103	86577.1	10412.8	-246.1	-0.51	-1.27	-9.72

	102	75442.8	11031.2	-305.7	-0.23	1.14	13.50
	103	-75442.8	9281.3	305.7	0.23	0.77	-8.03
14	102	-86218.6	10345.7	684.1	0.56	-2.34	9.55
	103	86218.6	9966.8	-684.1	-0.56	-1.93	-8.37
15	102	79180.2	10341.4	-1204.5	-0.64	2.83	11.37
	103	-79180.2	9971.1	142.2	0.64	1.38	-10.21
16	102	-82481.2	9655.9	-214.7	0.15	-0.66	7.42
	103	82481.2	10656.6	-847.6	-0.15	-1.32	-10.55
17	102	79019.3	9954.7	-673.8	-0.55	2.31	10.13
	103	-79019.3	10357.8	673.8	0.55	1.90	-11.39
18	102	-82642.1	9269.2	316.0	0.24	-1.17	6.19
	103	82642.1	11043.3	-316.0	-0.24	-0.80	-11.73
19	102	129877.5	10759.8	-619.9	-0.62	2.68	13.22
	103	-129877.5	9552.7	1002.3	0.62	2.39	-9.45
20	102	-139558.1	9617.3	1029.8	0.69	-3.13	6.65
	103	139558.1	10695.2	-647.4	-0.69	-2.11	-10.02
21	102	130092.6	11027.3	-739.5	-0.59	2.63	14.08
	103	-130092.6	9285.2	739.5	0.59	1.99	-8.64
22	102	-139343.1	9884.8	910.2	0.72	-3.17	7.51
	103	139343.1	10427.7	-910.2	-0.72	-2.52	-9.20
23	102	132335.1	10613.5	-1278.8	-0.84	3.64	12.81
	103	-132335.1	9699.0	641.4	0.84	2.36	-9.95
24	102	-137100.6	9471.0	370.9	0.47	-2.16	6.23
	103	137100.6	10841.5	-1008.3	-0.47	-2.15	-10.52
25	102	132238.5	10381.5	-960.3	-0.78	3.33	12.07
	103	-132238.5	9931.0	960.3	0.78	2.67	-10.66
26	102	-137197.2	9239.0	689.4	0.52	-2.47	5.49
	103	137197.2	11073.5	-689.4	-0.52	-1.84	-11.22
27	102	2681.8	5724.5	357.0	0.41	-1.21	1.07
	103	-2681.8	9900.5	-357.0	-0.41	-1.02	-14.12
28	102	1357.5	7464.2	524.4	0.30	-1.68	6.47
	103	-1357.5	8160.8	-524.4	-0.30	-1.62	-8.65
29	102	779.3	4523.2	-179.8	0.24	0.46	-2.65
	103	-779.3	11101.8	179.8	-0.24	0.71	-17.91
30	102	-4382.8	8132.6	-193.9	-0.18	0.63	8.56
	103	4382.8	7492.4	193.9	0.18	0.59	-6.56
31	102	-7168.1	8091.0	-619.2	-0.42	1.98	8.44
	103	7168.1	7534.0	619.2	0.42	1.91	-6.70
32	102	-8492.4	9830.6	-451.9	-0.53	1.51	13.84
	103	8492.4	5794.3	451.9	0.53	1.31	-1.23
33	102	-3635.0	10322.1	377.8	-0.11	-1.11	15.35
	103	3635.0	5302.9	-377.8	0.11	-1.29	0.33
34	102	-6589.9	11032.0	85.0	-0.36	-0.16	17.57
	103	6589.9	4593.0	-85.0	0.36	-0.41	2.56
35	102	-2635.7	7782.2	-44.4	-0.06	0.14	7.49
	103	2635.7	7842.8	44.4	0.06	0.14	-7.68
36	102	-3272.1	7840.7	142.2	0.03	-0.17	7.68
	103	3272.1	7784.3	112.7	-0.03	0.08	-7.50
37	102	-3128.8	8019.1	62.5	0.05	-0.20	8.25
	103	3128.8	7605.9	-62.5	-0.05	-0.19	-6.96
38	102	-1633.8	7743.2	-297.0	-0.12	0.47	7.40
	103	1633.8	7881.8	-127.9	0.12	0.06	-7.84
39	102	-1698.2	7588.5	-84.7	-0.08	0.27	6.91
	103	1698.2	8036.5	84.7	0.08	0.26	-8.31
40	102	51521.1	8015.3	-371.3	-0.32	1.29	8.84
	103	-51521.1	7609.7	371.3	0.32	1.03	-7.58

	102	-56253.2	7558.3	288.6	0.21	-1.03	6.21
	103	56253.2	8066.7	-288.6	-0.21	-0.77	-7.80
42	102	-2905.3	7777.6	-47.4	-0.06	0.15	7.46
	103	2905.3	7847.4	47.4	0.06	0.15	-7.68
43	102	2848.9	5653.8	363.5	0.41	-1.24	0.85
	103	-2848.9	9971.2	-363.5	-0.41	-1.03	-14.35
44	102	1495.5	7470.8	537.8	0.30	-1.72	6.49
	103	-1495.5	8154.2	-537.8	-0.30	-1.66	-8.63
45	102	873.6	4384.7	-188.5	0.25	0.47	-3.08
	103	-873.6	11240.3	188.5	-0.25	0.75	-18.35
46	102	-2172.9	5113.8	-487.4	-0.00	1.45	-0.81
	103	2172.9	10511.2	487.4	0.00	1.64	-16.06
47	102	-7306.1	8084.4	-632.6	-0.42	2.02	8.42
	103	7306.1	7540.6	632.6	0.42	1.95	-6.72
48	102	-8659.5	9901.4	-458.3	-0.53	1.54	14.06
	103	8659.5	5723.6	458.3	0.53	1.32	-1.01
49	102	-3637.7	10441.3	392.5	-0.11	-1.15	15.72
	103	3637.7	5183.6	-392.5	0.11	-1.35	0.71
50	102	-6684.2	11170.5	93.7	-0.37	-0.17	18.00
	103	6684.2	4454.5	-93.7	0.37	-0.45	2.99
51	102	2327.5	6064.9	292.5	0.33	-1.00	2.17
	103	-2327.5	9560.1	-292.5	-0.33	-0.83	-13.10
52	102	1217.7	7528.6	431.9	0.24	-1.39	6.72
	103	-1217.7	8096.4	-431.9	-0.24	-1.33	-8.49
53	102	725.2	5050.3	-152.6	0.20	0.38	-0.97
	103	-725.2	10574.7	152.6	-0.20	0.61	-16.29
54	102	-1758.0	5644.3	-394.7	-0.01	1.17	0.88
	103	1758.0	9980.7	394.7	0.01	1.33	-14.43
55	102	-5949.8	8045.0	-514.6	-0.35	1.64	8.34
	103	5949.8	7580.0	514.6	0.35	1.59	-6.89
56	102	-7059.6	9508.7	-375.1	-0.44	1.25	12.88
	103	7059.6	6116.3	375.1	0.44	1.09	-2.28
57	102	-2974.1	9929.2	312.1	-0.10	-0.92	14.18
	103	2974.1	5695.8	-312.1	0.10	-1.07	-0.95
58	102	-5457.3	10523.3	70.0	-0.30	-0.13	16.03
	103	5457.3	5101.7	-70.0	0.30	-0.34	0.92
1	103	591.4	145.3	-8.4	-0.01	-0.01	0.59
	104	-591.4	-145.3	8.4	0.01	0.07	0.32
2	103	51.2	197.2	-0.8	-0.02	-0.05	0.72
	104	-51.2	-197.2	0.8	0.02	0.05	0.52
3	103	75842.2	-413.2	174.4	-0.05	-0.27	-0.77
	104	-75842.2	413.2	208.0	0.05	0.37	-1.81
4	103	76098.6	-295.6	15.8	-0.05	-0.17	-0.40
	104	-76098.6	295.6	-15.8	0.05	0.07	-1.45
5	103	77907.6	-526.0	-328.4	-0.07	0.11	-1.10
	104	-77907.6	526.0	-309.0	0.07	-0.05	-2.19
6	103	77692.8	-634.5	-44.3	-0.07	-0.07	-1.44
	104	-77692.8	634.5	44.3	0.07	0.35	-2.52
7	103	-78021.8	934.1	199.6	0.04	-0.05	2.57
	104	78021.8	-934.1	182.9	-0.04	-0.00	3.27
8	103	-77765.4	1051.6	40.9	0.04	0.05	2.94
	104	77765.4	-1051.6	-40.9	-0.04	-0.30	3.63
9	103	-75956.5	821.3	-303.2	0.03	0.32	2.25
	104	75956.5	-821.3	-334.2	-0.03	-0.42	2.89
10	103	-76171.2	712.8	-19.1	0.03	0.14	1.90

	104	76171.2	-712.8	19.1	-0.03	-0.02	2.55
11	103	75351.7	-397.0	295.8	-0.05	-0.32	-0.72
	104	-75351.7	397.0	341.6	0.05	0.47	-1.76
12	103	-78512.4	950.3	320.9	0.04	-0.11	2.63
	104	78512.4	-950.3	316.4	-0.04	0.10	3.31
13	103	75779.0	-201.1	31.3	-0.04	-0.16	-0.09
	104	-75779.0	201.1	-31.3	0.04	-0.04	-1.17
14	103	-78085.0	1146.2	56.5	0.05	0.06	3.25
	104	78085.0	-1146.2	-56.5	-0.05	-0.41	3.91
15	103	78793.9	-585.0	-542.2	-0.07	0.30	-1.25
	104	-78793.9	585.0	-520.1	0.07	-0.23	-2.40
16	103	-75070.1	762.3	-517.0	0.02	0.51	2.09
	104	75070.1	-762.3	-545.3	-0.02	-0.60	2.68
17	103	78436.0	-765.8	-68.8	-0.07	-0.00	-1.83
	104	-78436.0	765.8	68.8	0.07	0.43	-2.96
18	103	-75428.1	581.5	-43.6	0.02	0.21	1.52
	104	75428.1	-581.5	43.6	-0.02	0.06	2.12
19	103	127400.4	-888.2	162.2	-0.08	-0.32	-1.95
	104	-127400.4	888.2	220.2	0.08	0.50	-3.60
20	103	-129039.7	1357.2	204.1	0.07	0.04	3.62
	104	129039.7	-1357.2	178.3	-0.07	-0.12	4.86
21	103	127656.8	-770.7	3.6	-0.08	-0.22	-1.58
	104	-127656.8	770.7	-3.6	0.08	0.20	-3.24
22	103	-128783.3	1474.8	45.5	0.07	0.14	4.00
	104	128783.3	-1474.8	-45.5	-0.07	-0.42	5.22
23	103	129465.7	-1001.0	-340.6	-0.10	0.05	-2.27
	104	-129465.7	1001.0	-296.8	0.10	0.08	-3.98
24	103	-126974.4	1244.4	-298.6	0.06	0.41	3.30
	104	126974.4	-1244.4	-338.8	-0.06	-0.54	4.48
25	103	129251.0	-1109.5	-56.5	-0.09	-0.13	-2.62
	104	-129251.0	1109.5	56.5	0.09	0.48	-4.32
26	103	-127189.1	1136.0	-14.6	0.06	0.23	2.95
	104	127189.1	-1136.0	14.6	-0.06	-0.14	4.15
27	103	4364.6	-976.7	182.5	0.23	-0.52	-2.90
	104	-4364.6	976.7	-182.5	-0.23	-0.66	-3.20
28	103	2915.9	-18.2	398.5	0.17	-1.23	0.03
	104	-2915.9	18.2	-398.5	-0.17	-1.31	-0.15
29	103	3562.4	-1642.8	-273.6	0.16	0.91	-4.94
	104	-3562.4	1642.8	273.6	-0.16	0.80	-5.33
30	103	-988.3	342.1	-88.7	-0.07	0.23	1.14
	104	988.3	-342.1	88.7	0.07	0.34	1.00
31	103	-2756.3	314.9	-400.8	-0.19	1.18	1.06
	104	2756.3	-314.9	400.8	0.19	1.37	0.91
32	103	-4205.0	1273.4	-184.8	-0.25	0.47	3.99
	104	4205.0	-1273.4	184.8	0.25	0.73	3.97
33	103	-1266.5	1552.1	446.3	-0.05	-1.47	4.84
	104	1266.5	-1552.1	-446.3	0.05	-1.34	4.86
34	103	-3402.8	1939.6	271.3	-0.18	-0.96	6.03
	104	3402.8	-1939.6	-271.3	0.18	-0.73	6.09
35	103	259.9	131.1	-3.7	-0.01	-0.02	0.50
	104	-259.9	-131.1	3.7	0.01	0.04	0.32
36	103	-320.7	155.9	118.9	-0.00	-0.08	0.58
	104	320.7	-155.9	136.0	0.00	0.13	0.39
37	103	-149.8	234.3	13.2	-0.00	-0.01	0.83
	104	149.8	-234.3	-13.2	0.00	-0.07	0.63
38	103	1056.2	80.7	-216.2	-0.01	0.17	0.37

	104	-1056.2	-80.7	-208.7	0.01	-0.15	0.14
39	103	913.0	8.4	-26.9	-0.01	0.05	0.14
	104	-913.0	-8.4	26.9	0.01	0.12	-0.08
40	103	51728.0	-335.3	-14.6	-0.04	-0.08	-0.65
	104	-51728.0	335.3	14.6	0.04	0.17	-1.44
41	103	-50848.1	562.9	2.1	0.02	0.07	1.58
	104	50848.1	-562.9	-2.1	-0.02	-0.08	1.94
42	103	79.8	148.4	-1.2	-0.01	-0.03	0.54
	104	-79.8	-148.4	1.2	0.01	0.03	0.38
43	103	4466.4	-1015.7	175.8	0.22	-0.49	-3.02
	104	-4466.4	1015.7	-175.8	-0.22	-0.64	-3.32
44	103	2973.5	-14.7	398.4	0.16	-1.22	0.04
	104	-2973.5	14.7	-398.4	-0.16	-1.31	-0.13
45	103	3660.0	-1719.0	-285.5	0.15	0.94	-5.18
	104	-3660.0	1719.0	285.5	-0.15	0.84	-5.57
46	103	1475.9	-1320.9	-458.5	0.03	1.44	-3.95
	104	-1475.9	1320.9	458.5	-0.03	1.44	-4.30
47	103	-2813.9	311.4	-400.7	-0.19	1.17	1.05
	104	2813.9	-311.4	400.7	0.19	1.37	0.90
48	103	-4306.8	1312.4	-178.2	-0.25	0.44	4.11
	104	4306.8	-1312.4	178.2	0.25	0.71	4.09
49	103	-1316.3	1617.6	456.2	-0.05	-1.50	5.04
	104	1316.3	-1617.6	-456.2	0.05	-1.37	5.07
50	103	-3500.4	2015.7	283.2	-0.17	-1.00	6.27
	104	3500.4	-2015.7	-283.2	0.17	-0.77	6.33
51	103	4023.2	-829.8	136.7	0.18	-0.38	-2.43
	104	-4023.2	829.8	-136.7	-0.18	-0.50	-2.76
52	103	2806.9	-23.5	315.0	0.13	-0.97	0.04
	104	-2806.9	23.5	-315.0	-0.13	-1.04	-0.19
53	103	3359.7	-1392.3	-233.8	0.12	0.77	-4.15
	104	-3359.7	1392.3	233.8	-0.12	0.68	-4.55
54	103	1574.6	-1068.0	-373.1	0.02	1.18	-3.16
	104	-1574.6	1068.0	373.1	-0.02	1.17	-3.52
55	103	-1927.0	251.0	-327.5	-0.15	0.96	0.88
	104	1927.0	-251.0	327.5	0.15	1.12	0.69
56	103	-3143.3	1057.4	-149.2	-0.20	0.37	3.35
	104	3143.3	-1057.4	149.2	0.20	0.59	3.26
57	103	-694.7	1295.5	360.6	-0.04	-1.18	4.08
	104	694.7	-1295.5	-360.6	0.04	-1.09	4.02
58	103	-2479.8	1619.8	221.3	-0.14	-0.78	5.07
	104	2479.8	-1619.8	-221.3	0.14	-0.60	5.05
1	104	-2633.8	262.7	64.4	0.08	-0.17	0.74
	105	2633.8	-262.7	-64.4	-0.08	-0.23	0.90
2	104	-5558.0	427.2	89.2	0.09	-0.19	1.17
	105	5558.0	-427.2	-89.2	-0.09	-0.36	1.50
3	104	47675.7	-484.6	159.7	0.01	0.08	-1.66
	105	-47675.7	484.6	222.7	-0.01	0.12	-1.37
4	104	49308.3	-413.0	28.5	0.02	0.05	-1.40
	105	-49308.3	413.0	-28.5	-0.02	-0.23	-1.18
5	104	51282.6	-694.2	-218.6	0.13	0.06	-2.24
	105	-51282.6	694.2	-418.8	-0.13	-0.69	-2.10
6	104	50034.2	-770.8	17.5	0.10	0.04	-2.50
	105	-50034.2	770.8	-17.5	-0.10	-0.15	-2.31
7	104	-62851.0	1576.1	243.7	0.01	-0.25	4.65
	105	62851.0	-1576.1	138.8	-0.01	-0.08	5.20

	104	-61218.4	1647.6	112.5	0.02	-0.27	4.91
	105	61218.4	-1647.6	-112.5	-0.02	-0.43	5.39
9	104	-59244.1	1366.5	-134.6	0.14	-0.26	4.07
	105	59244.1	-1366.5	-502.8	-0.14	-0.89	4.47
10	104	-60492.5	1289.8	101.5	0.10	-0.28	3.81
	105	60492.5	-1289.8	-101.5	-0.10	-0.35	4.26
11	104	47784.6	-487.8	222.3	-0.05	0.17	-1.66
	105	-47784.6	487.8	415.1	0.05	0.43	-1.39
12	104	-62742.1	1572.8	306.2	-0.04	-0.16	4.65
	105	62742.1	-1572.8	331.1	0.04	0.24	5.18
13	104	50505.7	-368.5	3.6	-0.03	0.13	-1.23
	105	-50505.7	368.5	-3.6	0.03	-0.15	-1.08
14	104	-60021.0	1692.2	87.6	-0.03	-0.20	5.08
	105	60021.0	-1692.2	-87.6	0.03	-0.35	5.49
15	104	53796.1	-837.1	-408.2	0.16	0.14	-2.62
	105	-53796.1	837.1	-654.1	-0.16	-0.91	-2.61
16	104	-56730.6	1223.6	-324.2	0.16	-0.19	3.69
	105	56730.6	-1223.6	-738.1	-0.16	-1.10	3.96
17	104	51715.6	-964.9	-14.7	0.10	0.11	-3.06
	105	-51715.6	964.9	14.7	-0.10	-0.01	-2.97
18	104	-58811.1	1095.8	69.3	0.11	-0.22	3.25
	105	58811.1	-1095.8	-69.3	-0.11	-0.21	3.60
19	104	85980.0	-1253.8	119.3	0.00	0.20	-3.98
	105	-85980.0	1253.8	263.1	-0.00	0.25	-3.86
20	104	-98231.2	2180.7	259.3	0.01	-0.34	6.54
	105	98231.2	-2180.7	123.2	-0.01	-0.08	7.09
21	104	87612.6	-1182.2	-11.9	0.01	0.18	-3.72
	105	-87612.6	1182.2	11.9	-0.01	-0.10	-3.67
22	104	-96598.5	2252.3	128.1	0.02	-0.37	6.80
	105	96598.5	-2252.3	-128.1	-0.02	-0.43	7.28
23	104	89586.9	-1463.3	-259.0	0.12	0.19	-4.56
	105	-89586.9	1463.3	-378.4	-0.12	-0.56	-4.59
24	104	-94624.3	1971.1	-119.0	0.13	-0.36	5.96
	105	94624.3	-1971.1	-518.4	-0.13	-0.89	6.36
25	104	88338.6	-1540.0	-22.9	0.09	0.17	-4.82
	105	-88338.6	1540.0	22.9	-0.09	-0.02	-4.80
26	104	-95872.6	1894.5	117.1	0.10	-0.38	5.70
	105	95872.6	-1894.5	-117.1	-0.10	-0.35	6.15
27	104	-1557.4	-904.4	260.1	0.24	-0.76	-2.88
	105	1557.4	904.4	-260.1	-0.24	-0.88	-2.77
28	104	-2504.1	123.4	536.7	0.27	-1.54	0.28
	105	2504.1	-123.4	-536.7	-0.27	-1.83	0.49
29	104	-1784.4	-1617.1	-298.9	0.07	0.86	-5.07
	105	1784.4	1617.1	298.9	-0.07	1.01	-5.03
30	104	-4503.6	512.8	-40.4	-0.00	0.18	1.47
	105	4503.6	-512.8	40.4	0.00	0.08	1.73
31	104	-5361.7	485.3	-414.9	-0.15	1.28	1.39
	105	5361.7	-485.3	414.9	0.15	1.33	1.65
32	104	-6308.4	1513.1	-138.3	-0.13	0.50	4.55
	105	6308.4	-1513.1	138.3	0.13	0.38	4.91
33	104	-4940.2	1808.9	623.2	0.16	-1.73	5.46
	105	4940.2	-1808.9	-623.2	-0.16	-2.17	5.85
34	104	-6081.4	2225.8	420.7	0.04	-1.12	6.74
	105	6081.4	-2225.8	-420.7	-0.04	-1.51	7.17
35	104	-2958.2	249.5	52.6	0.06	-0.12	0.69
	105	2958.2	-249.5	-52.6	-0.06	-0.21	0.87

	104	-3336.6	273.7	119.3	0.00	-0.04	0.76
	105	3336.6	-273.7	135.6	-0.00	0.09	0.95
37	104	-2248.2	321.4	31.9	0.01	-0.06	0.94
	105	2248.2	-321.4	-31.9	-0.01	-0.14	1.07
38	104	-932.0	134.0	-132.8	0.08	-0.05	0.38
	105	932.0	-134.0	-292.1	-0.08	-0.45	0.46
39	104	-1764.2	82.9	24.5	0.06	-0.06	0.20
	105	1764.2	-82.9	-24.5	-0.06	-0.09	0.32
40	104	34858.8	-492.2	16.4	0.05	-0.00	-1.56
	105	-34858.8	492.2	-16.4	-0.05	-0.10	-1.52
41	104	-38825.7	881.6	72.4	0.05	-0.22	2.65
	105	38825.7	-881.6	-72.4	-0.05	-0.23	2.86
42	104	-3932.9	304.3	60.9	0.06	-0.13	0.83
	105	3932.9	-304.3	-60.9	-0.06	-0.25	1.07
43	104	-1517.8	-946.2	250.4	0.24	-0.72	-3.01
	105	1517.8	946.2	-250.4	-0.24	-0.86	-2.90
44	104	-2499.3	127.0	539.3	0.26	-1.53	0.29
	105	2499.3	-127.0	-539.3	-0.26	-1.86	0.51
45	104	-1719.9	-1698.6	-320.3	0.07	0.92	-5.32
	105	1719.9	1698.6	320.3	-0.07	1.08	-5.29
46	104	-2874.5	-1270.2	-520.7	-0.04	1.52	-4.01
	105	2874.5	1270.2	520.7	0.04	1.75	-3.93
47	104	-5366.6	481.7	-417.5	-0.14	1.27	1.38
	105	5366.6	-481.7	417.5	0.14	1.36	1.63
48	104	-6348.0	1554.9	-128.6	-0.12	0.46	4.67
	105	6348.0	-1554.9	128.6	0.12	0.36	5.04
49	104	-4991.3	1878.9	642.5	0.16	-1.78	5.67
	105	4991.3	-1878.9	-642.5	-0.16	-2.24	6.07
50	104	-6146.0	2307.3	442.1	0.04	-1.18	6.99
	105	6146.0	-2307.3	-442.1	-0.04	-1.58	7.43
51	104	-10.6	-819.3	197.3	0.20	-0.59	-2.57
	105	10.6	819.3	-197.3	-0.20	-0.66	-2.55
52	104	-807.2	45.3	429.0	0.22	-1.24	0.09
	105	807.2	-45.3	-429.0	-0.22	-1.46	0.19
53	104	-183.4	-1420.8	-261.2	0.06	0.73	-4.42
	105	183.4	1420.8	261.2	-0.06	0.90	-4.46
54	104	-1128.2	-1071.8	-422.5	-0.03	1.21	-3.35
	105	1128.2	1071.8	422.5	0.03	1.44	-3.35
55	104	-3159.8	344.0	-340.3	-0.11	1.01	1.01
	105	3159.8	-344.0	340.3	0.11	1.13	1.14
56	104	-3956.4	1208.6	-108.6	-0.09	0.36	3.66
	105	3956.4	-1208.6	108.6	0.09	0.33	3.89
57	104	-2838.8	1461.2	511.2	0.13	-1.44	4.44
	105	2838.8	-1461.2	-511.2	-0.13	-1.76	4.69
58	104	-3783.5	1810.2	349.9	0.04	-0.96	5.51
	105	3783.5	-1810.2	-349.9	-0.04	-1.23	5.80
1	119	2275.6	-1634.6	-60.8	0.96	0.01	-4.02
	106	-2275.6	6990.0	60.8	-0.96	0.08	-2.42
2	119	3692.5	-3776.7	-211.3	2.86	0.11	-6.62
	106	-3692.5	11476.0	211.3	-2.86	0.20	-4.92
3	119	27409.6	-5460.8	514.8	3.37	-0.21	-7.15
	106	-27409.6	14285.2	-784.8	-3.37	-0.77	-7.80
4	119	25047.1	-5113.2	132.5	2.70	0.34	-5.12
	106	-25047.1	12812.6	-132.5	-2.70	-0.53	-8.40
5	119	26644.9	-4220.5	-402.4	1.94	0.56	-4.32

	106	-26644.9	11076.0	604.9	-1.94	0.20	-7.18
6	119	28964.3	-4401.7	-132.4	2.43	0.14	-5.91
	106	-28964.3	12101.0	132.4	-2.43	0.06	-6.55
7	119	-19205.3	-3527.4	86.8	3.99	-0.44	-9.31
	106	19205.3	12351.7	-356.8	-3.99	0.09	-2.78
8	119	-21567.8	-3179.8	-295.5	3.33	0.11	-7.28
	106	21567.8	10879.1	295.5	-3.33	0.33	-3.37
9	119	-19970.0	-2287.0	-830.4	2.56	0.34	-6.48
	106	19970.0	9142.5	1032.9	-2.56	1.06	-2.16
10	119	-17650.6	-2468.2	-560.4	3.06	-0.09	-8.07
	106	17650.6	10167.5	560.4	-3.06	0.92	-1.53
11	119	26974.2	-4868.0	931.4	2.96	-0.55	-6.93
	106	-26974.2	13270.5	-1381.4	-2.96	-1.20	-6.81
12	119	-19640.7	-2934.5	503.4	3.58	-0.78	-9.08
	106	19640.7	11337.0	-953.4	-3.58	-0.34	-1.78
13	119	23036.8	-4288.7	294.3	1.85	0.36	-3.54
	106	-23036.8	10816.1	-294.3	-1.85	-0.80	-7.79
14	119	-23578.2	-2355.2	-133.7	2.48	0.14	-5.70
	106	23578.2	8882.6	133.7	-2.48	0.06	-2.77
15	119	25699.8	-2800.8	-597.2	0.57	0.74	-2.21
	106	-25699.8	7921.8	934.7	-0.57	0.42	-5.77
16	119	-20915.2	-867.3	-1025.2	1.20	0.52	-4.36
	106	20915.2	5988.4	1362.7	-1.20	1.28	-0.74
17	119	29565.4	-3102.8	-147.2	1.40	0.04	-4.85
	106	-29565.4	9630.1	147.2	-1.40	0.18	-4.72
18	119	-17049.5	-1169.3	-575.2	2.02	-0.19	-7.01
	106	17049.5	7696.6	575.2	-2.02	1.04	0.30
19	119	42239.5	-5034.3	732.7	2.20	-0.18	-5.13
	106	-42239.5	12686.7	-1002.7	-2.20	-1.12	-8.23
20	119	-35452.1	-1811.8	19.3	3.25	-0.56	-8.73
	106	35452.1	9464.2	-289.3	-3.25	0.31	0.14
21	119	39877.0	-4686.7	350.5	1.54	0.36	-3.10
	106	-39877.0	11214.0	-350.5	-1.54	-0.88	-8.82
22	119	-37814.6	-1464.2	-362.9	2.59	-0.01	-6.70
	106	37814.6	7991.5	362.9	-2.59	0.55	-0.45
23	119	41474.8	-3793.9	-184.5	0.77	0.59	-2.30
	106	-41474.8	9477.5	387.0	-0.77	-0.15	-7.61
24	119	-36216.8	-571.5	-897.8	1.82	0.21	-5.90
	106	36216.8	6255.0	1100.3	-1.82	1.29	0.77
25	119	43794.2	-3975.1	85.6	1.27	0.17	-3.89
	106	-43794.2	10502.5	-85.6	-1.27	-0.29	-6.98
26	119	-33897.4	-752.6	-627.8	2.31	-0.21	-7.48
	106	33897.4	7280.0	627.8	-2.31	1.14	1.39
27	119	-9197.3	-3313.9	-1625.0	2.27	1.14	-3.53
	106	9197.3	8941.1	1625.0	-2.27	1.82	-5.67
28	119	-1611.2	-4814.4	-869.6	2.69	1.66	-2.37
	106	1611.2	10441.6	869.6	-2.69	0.32	-9.05
29	119	-12450.2	-560.3	-1732.1	1.42	-0.39	-6.16
	106	12450.2	6187.5	1732.1	-1.42	2.91	0.99
30	119	4991.2	-2201.5	190.4	1.81	-0.32	-5.31
	106	-4991.2	7828.7	-190.4	-1.81	-0.15	-2.29
31	119	6795.7	-448.2	586.9	1.24	-1.51	-7.17
	106	-6795.7	6075.5	-586.9	-1.24	-0.05	2.13
32	119	14381.7	-1948.8	1342.3	1.66	-0.99	-6.00
	106	-14381.7	7576.0	-1342.3	-1.66	-1.55	-1.24
33	119	12836.7	-5562.0	785.8	2.82	1.34	-2.29

	106	-12836.7	11189.2	-785.8	-2.82	-2.08	-10.25
34	119	17634.6	-4702.3	1449.4	2.51	0.54	-3.38
	106	-17634.6	10329.6	-1449.4	-2.51	-2.64	-7.91
35	119	2119.9	-1917.3	-91.2	1.33	0.04	-3.90
	106	-2119.9	6763.2	91.2	-1.33	0.09	-2.63
36	119	1920.7	-1681.5	300.3	1.24	-0.28	-4.11
	106	-1920.7	6496.2	-480.3	-1.24	-0.31	-2.04
37	119	345.7	-1449.8	45.5	0.79	0.09	-2.75
	106	-345.7	5514.4	-45.5	-0.79	-0.15	-2.44
38	119	1410.9	-854.6	-311.1	0.28	0.24	-2.22
	106	-1410.9	4356.7	446.1	-0.28	0.33	-1.63
39	119	2957.2	-975.4	-131.1	0.61	-0.04	-3.28
	106	-2957.2	5040.0	131.1	-0.61	0.24	-1.21
40	119	17185.9	-1847.7	101.6	0.48	0.09	-2.32
	106	-17185.9	5912.3	-101.6	-0.48	-0.24	-3.47
41	119	-13890.7	-558.7	-183.7	0.90	-0.07	-3.75
	106	13890.7	4623.3	183.7	-0.90	0.34	-0.12
42	119	2592.2	-2631.3	-141.4	1.96	0.08	-4.77
	106	-2592.2	8258.5	141.4	-1.96	0.13	-3.46
43	119	-9546.5	-3353.3	-1664.7	2.28	1.18	-3.47
	106	9546.5	8980.6	1664.7	-2.28	1.87	-5.79
44	119	-1654.1	-4933.8	-883.4	2.72	1.73	-2.25
	106	1654.1	10561.0	883.4	-2.72	0.31	-9.34
45	119	-13019.7	-450.9	-1783.3	1.39	-0.42	-6.24
	106	13019.7	6078.1	1783.3	-1.39	3.02	1.24
46	119	-8104.2	456.4	-1103.7	1.07	-1.25	-7.38
	106	8104.2	5170.8	1103.7	-1.07	2.44	3.70
47	119	6838.5	-328.9	600.6	1.20	-1.58	-7.29
	106	-6838.5	5956.1	-600.6	-1.20	-0.04	2.43
48	119	14730.9	-1909.3	1381.9	1.64	-1.03	-6.06
	106	-14730.9	7536.5	-1381.9	-1.64	-1.60	-1.13
49	119	13288.6	-5719.1	821.0	2.86	1.40	-2.15
	106	-13288.6	11346.3	-821.0	-2.86	-2.18	-10.62
50	119	18204.1	-4811.8	1500.5	2.54	0.57	-3.29
	106	-18204.1	10439.0	-1500.5	-2.54	-2.75	-8.16
51	119	-8263.6	-1779.1	-1285.9	0.95	0.91	-1.99
	106	8263.6	5843.7	1285.9	-0.95	1.45	-3.66
52	119	-1881.5	-3045.2	-652.2	1.30	1.34	-1.01
	106	1881.5	7109.8	652.2	-1.30	0.20	-6.51
53	119	-11005.4	544.3	-1375.6	0.23	-0.38	-4.21
	106	11005.4	3520.3	1375.6	-0.23	2.37	1.97
54	119	-6973.3	1269.6	-818.8	-0.03	-1.05	-5.13
	106	6973.3	2795.0	818.8	0.03	1.91	3.94
55	119	5176.7	638.7	570.1	0.08	-1.32	-5.06
	106	-5176.7	3425.9	-570.1	-0.08	-0.10	2.92
56	119	11558.9	-627.4	1203.8	0.44	-0.89	-4.08
	106	-11558.9	4692.0	-1203.8	-0.44	-1.35	0.08
57	119	10268.5	-3676.1	736.7	1.41	1.07	-0.94
	106	-10268.5	7740.7	-736.7	-1.41	-1.81	-7.53
58	119	14300.6	-2950.8	1293.4	1.15	0.40	-1.86
	106	-14300.6	7015.4	-1293.4	-1.15	-2.27	-5.55
1	119	2269.1	514.1	-40.0	0.11	-0.00	-4.03
	120	-2269.1	5142.0	40.0	-0.11	0.06	0.62
2	119	3682.9	519.8	-81.6	0.22	-0.09	-6.67
	120	-3682.9	8782.0	81.6	-0.22	0.21	0.65

	119	27454.3	1305.6	580.0	0.21	0.19	-7.23
	120	-27454.3	9746.2	-160.0	-0.21	-0.75	1.13
4	119	25091.2	1896.1	619.3	0.36	-0.37	-5.19
	120	-25091.2	7405.7	-619.3	-0.36	-0.55	1.21
5	119	26677.5	1694.5	484.8	0.24	-0.57	-4.37
	120	-26677.5	6294.9	-799.8	-0.24	-0.37	1.03
6	119	28996.4	1175.2	430.5	0.12	-0.15	-5.97
	120	-28996.4	8126.6	-430.5	-0.12	-0.49	0.92
7	119	-19256.5	-699.8	-628.7	0.20	0.49	-9.36
	120	19256.5	11751.5	1048.7	-0.20	0.75	0.28
8	119	-21619.6	-109.2	-589.4	0.36	-0.07	-7.31
	120	21619.6	9411.0	589.4	-0.36	0.94	0.36
9	119	-20033.3	-310.9	-724.0	0.23	-0.27	-6.49
	120	20033.3	8300.3	409.0	-0.23	1.12	0.18
10	119	-17714.4	-830.1	-778.2	0.12	0.15	-8.09
	120	17714.4	10131.9	778.2	-0.12	1.00	0.07
11	119	27024.8	1158.1	639.0	0.13	0.51	-7.00
	120	-27024.8	9237.5	61.0	-0.13	-0.96	1.15
12	119	-19686.0	-847.2	-569.7	0.13	0.81	-9.13
	120	19686.0	11242.8	1269.7	-0.13	0.53	0.30
13	119	23086.3	2142.4	704.6	0.40	-0.41	-3.59
	120	-23086.3	5336.6	-704.6	-0.40	-0.64	1.29
14	119	-23624.5	137.0	-504.1	0.39	-0.11	-5.72
	120	23624.5	7342.0	504.1	-0.39	0.86	0.44
15	119	25730.1	1806.3	480.3	0.19	-0.75	-2.23
	120	-25730.1	3485.3	-1005.3	-0.19	-0.33	0.99
16	119	-20980.7	-199.1	-728.4	0.18	-0.45	-4.35
	120	20980.7	5490.7	203.4	-0.18	1.16	0.14
17	119	29595.0	940.9	389.9	-0.00	-0.04	-4.89
	120	-29595.0	6538.1	-389.9	0.00	-0.54	0.81
18	119	-17115.8	-1064.5	-818.8	-0.01	0.26	-7.02
	120	17115.8	8543.5	818.8	0.01	0.96	-0.04
19	119	42317.7	1971.2	1003.7	0.15	0.13	-5.21
	120	-42317.7	7257.8	-583.7	-0.15	-1.32	1.40
20	119	-35533.6	-1371.1	-1010.8	0.14	0.63	-8.75
	120	35533.6	10600.0	1430.8	-0.14	1.17	-0.02
21	119	39954.6	2561.7	1043.1	0.31	-0.42	-3.16
	120	-39954.6	4917.3	-1043.1	-0.31	-1.12	1.48
22	119	-37896.8	-780.5	-971.5	0.30	0.08	-6.71
	120	37896.8	8259.5	971.5	-0.30	1.36	0.06
23	119	41540.9	2360.1	908.5	0.18	-0.63	-2.34
	120	-41540.9	3806.5	-1223.5	-0.18	-0.94	1.30
24	119	-36310.4	-982.2	-1106.0	0.17	-0.13	-5.89
	120	36310.4	7148.7	791.0	-0.17	1.55	-0.11
25	119	43859.8	1840.8	854.3	0.07	-0.20	-3.94
	120	-43859.8	5638.2	-854.3	-0.07	-1.06	1.19
26	119	-33991.5	-1501.4	-1160.3	0.06	0.30	-7.49
	120	33991.5	8980.4	1160.3	-0.06	1.42	-0.22
27	119	-8578.5	939.5	351.1	0.21	-1.15	-3.56
	120	8578.5	5756.4	-351.1	-0.21	1.06	-0.79
28	119	-1698.4	2428.8	1175.6	0.56	-1.77	-2.43
	120	1698.4	4267.1	-1175.6	-0.56	0.39	0.34
29	119	-11198.5	-1699.1	-1184.1	-0.35	0.56	-6.14
	120	11198.5	8395.0	1184.1	0.35	1.43	-1.61
30	119	4902.7	10.7	-301.4	0.09	0.36	-5.34
	120	-4902.7	6685.2	301.4	-0.09	-0.03	0.71

	119	6869.4	-1635.0	-1287.0	-0.24	1.65	-7.17
	120	-6869.4	8330.9	1287.0	0.24	-0.10	0.65
32	119	13749.5	-145.7	-462.5	0.11	1.02	-6.04
	120	-13749.5	6841.6	462.5	-0.11	-0.77	1.78
33	119	11735.1	3265.2	1564.2	0.81	-1.53	-2.37
	120	-11735.1	3430.7	-1564.2	-0.81	-0.79	2.16
34	119	16369.5	2492.9	1072.8	0.68	-0.69	-3.45
	120	-16369.5	4203.0	-1072.8	-0.68	-1.14	2.60
35	119	2114.3	395.0	-41.8	0.12	-0.03	-3.92
	120	-2114.3	5085.7	41.8	-0.12	0.10	0.49
36	119	1920.4	248.5	10.3	0.07	0.28	-4.13
	120	-1920.4	5183.6	269.7	-0.07	-0.09	0.51
37	119	345.0	642.2	36.5	0.18	-0.09	-2.77
	120	-345.0	3623.3	-36.5	-0.18	0.03	0.57
38	119	1402.5	507.7	-53.2	0.09	-0.23	-2.22
	120	-1402.5	2882.7	-156.8	-0.09	0.16	0.45
39	119	2948.5	161.6	-89.3	0.02	0.06	-3.29
	120	-2948.5	4103.9	89.3	-0.02	0.07	0.37
40	119	17213.3	1061.5	375.0	0.09	-0.10	-2.33
	120	-17213.3	3203.9	-375.0	-0.09	-0.45	0.76
41	119	-13927.2	-275.3	-430.8	0.08	0.10	-3.75
	120	13927.2	4540.8	430.8	-0.08	0.54	0.19
42	119	2585.5	396.9	-55.7	0.16	-0.06	-4.80
	120	-2585.5	6299.0	55.7	-0.16	0.15	0.50
43	119	-8906.5	973.7	367.4	0.22	-1.19	-3.51
	120	8906.5	5722.2	-367.4	-0.22	1.07	-0.84
44	119	-1753.8	2541.2	1228.4	0.58	-1.85	-2.31
	120	1753.8	4154.7	-1228.4	-0.58	0.38	0.34
45	119	-11710.5	-1807.5	-1234.7	-0.37	0.60	-6.22
	120	11710.5	8503.4	1234.7	0.37	1.47	-1.70
46	119	-6961.1	-2623.8	-1746.8	-0.52	1.47	-7.36
	120	6961.1	9319.7	1746.8	0.52	1.12	-1.25
47	119	6924.8	-1747.4	-1339.7	-0.25	1.72	-7.29
	120	-6924.8	8443.3	1339.7	0.25	-0.09	0.65
48	119	14077.5	-179.9	-478.7	0.11	1.06	-6.09
	120	-14077.5	6875.8	478.7	-0.11	-0.78	1.83
49	119	12132.1	3417.6	1635.5	0.84	-1.60	-2.24
	120	-12132.1	3278.3	-1635.5	-0.84	-0.83	2.24
50	119	16881.5	2601.3	1123.4	0.70	-0.72	-3.37
	120	-16881.5	4094.6	-1123.4	-0.70	-1.18	2.69
51	119	-7743.1	851.1	310.0	0.13	-0.92	-2.00
	120	7743.1	3414.3	-310.0	-0.13	0.80	-0.60
52	119	-1955.9	2107.6	999.9	0.42	-1.44	-1.05
	120	1955.9	2157.9	-999.9	-0.42	0.25	0.35
53	119	-9950.1	-1375.1	-972.9	-0.35	0.52	-4.18
	120	9950.1	5640.6	972.9	0.35	1.12	-1.29
54	119	-6054.6	-2026.9	-1382.6	-0.46	1.22	-5.09
	120	6054.6	6292.3	1382.6	0.46	0.83	-0.93
55	119	5242.0	-1321.4	-1055.7	-0.25	1.43	-5.04
	120	-5242.0	5586.8	1055.7	0.25	-0.15	0.60
56	119	11029.2	-64.9	-365.7	0.04	0.91	-4.09
	120	-11029.2	4330.4	365.7	-0.04	-0.71	1.56
57	119	9340.6	2813.1	1326.9	0.63	-1.23	-1.00
	120	-9340.6	1452.3	-1326.9	-0.63	-0.74	1.88
58	119	13236.1	2161.3	917.2	0.52	-0.53	-1.91
	120	-13236.1	2104.1	-917.2	-0.52	-1.03	2.24

1	120	2279.3	-6277.8	29.4	-0.74	-0.09	-0.61
	121	-2279.3	11972.6	-29.4	0.74	0.04	-12.92
2	120	3705.9	-12062.1	135.3	-2.41	-0.26	-0.62
	121	-3705.9	21585.8	-135.3	2.41	0.06	-24.33
3	120	27467.5	-13712.5	-721.0	-3.02	0.71	-1.08
	121	-27467.5	25074.1	1162.1	3.02	0.69	-27.68
4	120	25119.6	-10432.4	195.7	-2.01	0.49	-1.19
	121	-25119.6	19956.1	-195.7	2.01	-0.78	-21.35
5	120	26704.7	-8614.6	731.9	-1.49	0.32	-1.02
	121	-26704.7	16759.9	-1062.7	1.49	-1.65	-17.80
6	120	29011.8	-11145.4	3.5	-2.23	0.46	-0.89
	121	-29011.8	20669.1	-3.5	2.23	-0.47	-22.70
7	120	-19239.6	-16230.8	-649.1	-3.56	-0.80	-0.22
	121	19239.6	27592.3	1090.2	3.56	2.09	-32.27
8	120	-21587.5	-12950.7	267.6	-2.55	-1.02	-0.33
	121	21587.5	22474.4	-267.6	2.55	0.62	-25.94
9	120	-20002.4	-11132.9	803.8	-2.03	-1.19	-0.16
	121	20002.4	19278.1	-1134.6	2.03	-0.25	-22.39
10	120	-17695.4	-13663.6	75.4	-2.77	-1.05	-0.03
	121	17695.4	23187.3	-75.4	2.77	0.94	-27.29
11	120	27026.3	-12760.1	-1320.9	-2.76	0.94	-1.10
	121	-27026.3	23432.4	2056.0	2.76	1.56	-25.73
12	120	-19680.9	-15278.3	-1249.0	-3.30	-0.57	-0.25
	121	19680.9	25950.7	1984.1	3.30	2.97	-30.33
13	120	23113.2	-7293.2	206.9	-1.09	0.58	-1.28
	121	-23113.2	14902.5	-206.9	1.09	-0.89	-15.18
14	120	-23594.0	-9811.5	278.9	-1.63	-0.93	-0.42
	121	23594.0	17420.7	-278.9	1.63	0.51	-19.77
15	120	25754.9	-4263.6	1100.6	-0.22	0.30	-1.00
	121	-25754.9	9575.4	-1652.0	0.22	-2.34	-9.26
16	120	-20952.2	-6781.8	1172.5	-0.76	-1.21	-0.14
	121	20952.2	12093.7	-1723.9	0.76	-0.94	-13.85
17	120	29600.0	-8481.5	-113.4	-1.46	0.53	-0.78
	121	-29600.0	16090.7	113.4	1.46	-0.36	-17.44
18	120	-17107.1	-10999.8	-41.5	-2.00	-0.98	0.07
	121	17107.1	18609.0	41.5	2.00	1.04	-22.03
19	120	42323.2	-9980.9	-798.0	-2.00	1.30	-1.37
	121	-42323.2	19428.1	1239.1	2.00	0.21	-20.44
20	120	-35522.0	-14178.0	-678.1	-2.90	-1.22	0.06
	121	35522.0	23625.2	1119.2	2.90	2.55	-28.09
21	120	39975.4	-6700.8	118.7	-1.00	1.09	-1.47
	121	-39975.4	14310.1	-118.7	1.00	-1.26	-14.11
22	120	-37869.8	-10897.9	238.6	-1.90	-1.43	-0.04
	121	37869.8	18507.2	-238.6	1.90	1.08	-21.76
23	120	41560.4	-4883.0	654.9	-0.48	0.92	-1.30
	121	-41560.4	11113.9	-985.8	0.48	-2.13	-10.56
24	120	-36284.8	-9080.1	774.8	-1.38	-1.60	0.13
	121	36284.8	15311.0	-1105.6	1.38	0.21	-18.21
25	120	43867.5	-7413.8	-73.5	-1.22	1.05	-1.17
	121	-43867.5	15023.0	73.5	1.22	-0.94	-15.46
26	120	-33977.7	-11610.9	46.4	-2.12	-1.46	0.26
	121	33977.7	19220.1	-46.4	2.12	1.40	-23.12
27	120	-7890.8	-8077.4	1869.7	-2.10	-1.09	0.83
	121	7890.8	14920.9	-1869.7	2.10	-1.97	-16.75
28	120	-1739.5	-6600.5	2696.5	-1.78	-0.53	-0.33

	121	1739.5	13443.9	-2696.5	1.78	-3.63	-13.41
29	120	-9875.4	-10649.1	-628.4	-2.25	-1.30	1.68
	121	9875.4	17492.5	628.4	2.25	1.95	-22.18
30	120	4827.1	-8914.9	-564.8	-1.55	0.01	-0.69
	121	-4827.1	15758.4	564.8	1.55	0.90	-17.94
31	120	6943.4	-10501.9	-2511.6	-1.49	0.17	-0.62
	121	-6943.4	17345.4	2511.6	1.49	3.72	-21.15
32	120	13094.8	-9025.0	-1684.8	-1.18	0.72	-1.78
	121	-13094.8	15868.5	1684.8	1.18	2.06	-17.82
33	120	10629.1	-5726.0	2127.6	-1.21	0.56	-2.19
	121	-10629.1	12569.5	-2127.6	1.21	-3.57	-11.06
34	120	15079.4	-6453.4	813.2	-1.03	0.93	-2.63
	121	-15079.4	13296.8	-813.2	1.03	-1.86	-12.38
35	120	2126.4	-6623.1	57.1	-1.08	-0.12	-0.47
	121	-2126.4	12190.3	-57.1	1.08	0.04	-13.48
36	120	1923.0	-6634.7	-525.1	-1.11	0.08	-0.50
	121	-1923.0	12150.8	819.2	1.11	0.92	-13.43
37	120	357.7	-4448.0	86.0	-0.44	-0.06	-0.57
	121	-357.7	8738.9	-86.0	0.44	-0.07	-9.21
38	120	1414.4	-3236.1	443.5	-0.09	-0.18	-0.45
	121	-1414.4	6608.1	-664.0	0.09	-0.64	-6.85
39	120	2952.5	-4923.3	-42.1	-0.58	-0.08	-0.37
	121	-2952.5	9214.2	42.1	0.58	0.15	-10.12
40	120	17220.0	-3855.6	-2.2	-0.34	0.44	-0.76
	121	-17220.0	8146.5	2.2	0.34	-0.44	-8.14
41	120	-13918.1	-5534.4	45.8	-0.70	-0.57	-0.19
	121	13918.1	9825.3	-45.8	0.70	0.50	-11.20
42	120	2602.0	-8551.2	92.4	-1.64	-0.18	-0.47
	121	-2602.0	15394.7	-92.4	1.64	0.05	-17.28
43	120	-8197.1	-8045.9	1936.0	-2.11	-1.11	0.89
	121	8197.1	14889.4	-1936.0	2.11	-2.05	-16.70
44	120	-1807.7	-6491.9	2807.6	-1.79	-0.53	-0.33
	121	1807.7	13335.3	-2807.6	1.79	-3.79	-13.20
45	120	-10328.3	-10756.5	-676.4	-2.27	-1.33	1.78
	121	10328.3	17600.0	676.4	2.27	2.06	-22.42
46	120	-5765.7	-11525.9	-2044.0	-2.08	-0.95	1.33
	121	5765.7	18369.4	2044.0	2.08	3.84	-23.82
47	120	7011.6	-10610.5	-2622.8	-1.49	0.17	-0.62
	121	-7011.6	17454.0	2622.8	1.49	3.88	-21.37
48	120	13401.0	-9056.5	-1751.2	-1.17	0.74	-1.83
	121	-13401.0	15900.0	1751.2	1.17	2.14	-17.86
49	120	10969.7	-5576.5	2228.9	-1.19	0.59	-2.27
	121	-10969.7	12420.0	-2228.9	1.19	-3.75	-10.74
50	120	15532.3	-6345.9	861.2	-1.01	0.97	-2.72
	121	-15532.3	13189.4	-861.2	1.01	-1.97	-12.14
51	120	-7171.5	-4294.8	1517.8	-0.91	-0.82	0.63
	121	7171.5	8585.7	-1517.8	0.91	-1.66	-9.22
52	120	-1998.5	-3048.8	2212.8	-0.65	-0.35	-0.35
	121	1998.5	7339.7	-2212.8	0.65	-3.05	-6.41
53	120	-8841.5	-6464.7	-583.5	-1.03	-1.00	1.34
	121	8841.5	10755.6	583.5	1.03	1.63	-13.81
54	120	-5099.9	-7078.7	-1689.6	-0.88	-0.68	0.98
	121	5099.9	11369.5	1689.6	0.88	3.07	-14.92
55	120	5300.3	-6341.2	-2169.2	-0.40	0.23	-0.59
	121	-5300.3	10632.1	2169.2	0.40	3.11	-12.94
56	120	10473.3	-5095.2	-1474.2	-0.14	0.69	-1.57

	121	-10473.3	9386.1	1474.2	0.14	1.72	-10.12
57	120	8401.8	-2311.4	1733.1	-0.16	0.56	-1.92
	121	-8401.8	6602.3	-1733.1	0.16	-3.00	-4.43
58	120	12143.3	-2925.3	627.1	-0.01	0.87	-2.28
	121	-12143.3	7216.2	-627.1	0.01	-1.57	-5.54
1	121	2188.8	15335.3	180.6	-0.16	0.01	15.44
	122	-2188.8	-9337.2	-180.6	0.16	-0.30	3.83
2	121	4235.7	30061.9	315.2	-0.46	-0.03	30.45
	122	-4235.7	-20030.9	-315.2	0.46	-0.47	8.67
3	121	29941.3	37959.2	-1309.3	-1.38	2.06	39.10
	122	-29941.3	-25992.4	1773.9	1.38	0.35	10.84
4	121	27609.5	31037.3	-3097.8	-1.11	3.76	32.41
	122	-27609.5	-21006.3	3097.8	1.11	1.08	8.24
5	121	28183.3	25534.6	-4792.1	-0.94	6.20	26.41
	122	-28183.3	-16955.4	4443.7	0.94	1.01	6.78
6	121	30382.0	30712.8	-3375.4	-1.16	4.68	31.36
	122	-30382.0	-20681.8	3375.4	1.16	0.59	8.78
7	121	-19512.9	36359.7	5912.6	-0.04	-6.83	36.30
	122	19512.9	-24392.9	-5448.0	0.04	-2.04	11.14
8	121	-21844.8	29437.8	4124.1	0.24	-5.13	29.61
	122	21844.8	-19406.8	-4124.1	-0.24	-1.31	8.54
9	121	-21270.9	23935.1	2429.8	0.40	-2.68	23.61
	122	21270.9	-15355.9	-2778.2	-0.40	-1.39	7.08
10	121	-19072.2	29113.3	3846.5	0.19	-4.20	28.56
	122	19072.2	-19082.3	-3846.5	-0.19	-1.81	9.08
11	121	29570.2	35327.6	-52.3	-1.40	0.50	36.43
	122	-29570.2	-24086.7	826.6	1.40	0.18	9.97
12	121	-19884.0	33728.1	7169.6	-0.05	-8.38	33.63
	122	19884.0	-22487.2	-6395.3	0.05	-2.21	10.27
13	121	25683.8	23791.1	-3033.2	-0.94	3.34	25.27
	122	-25683.8	-15776.6	3033.2	0.94	1.40	5.63
14	121	-23770.4	22191.6	4188.7	0.41	-5.55	22.47
	122	23770.4	-14177.1	-4188.7	-0.41	-1.00	5.93
15	121	26640.3	14619.8	-5857.1	-0.66	7.42	15.27
	122	-26640.3	-9025.0	5276.3	0.66	1.28	3.20
16	121	-22813.9	13020.3	1364.8	0.69	-1.47	12.47
	122	22813.9	-7425.5	-1945.6	-0.69	-1.12	3.50
17	121	30304.8	23250.2	-3495.7	-1.02	4.88	23.52
	122	-30304.8	-15235.6	3495.7	1.02	0.58	6.53
18	121	-19149.5	21650.7	3726.2	0.33	-4.00	20.73
	122	19149.5	-13636.1	-3726.2	-0.33	-1.82	6.83
19	121	45402.6	31129.1	-3783.9	-1.68	5.04	32.53
	122	-45402.6	-21178.7	4248.5	1.68	1.23	8.32
20	121	-37021.1	28463.2	8252.6	0.56	-9.77	27.86
	122	37021.1	-18512.9	-7788.0	-0.56	-2.76	8.82
21	121	43070.8	24207.2	-5572.4	-1.41	6.74	25.83
	122	-43070.8	-16192.6	5572.4	1.41	1.97	5.72
22	121	-39352.9	21541.4	6464.1	0.84	-8.07	21.17
	122	39352.9	-13526.8	-6464.1	-0.84	-2.03	6.22
23	121	43644.7	18704.4	-7266.8	-1.24	9.19	19.83
	122	-43644.7	-12141.7	6918.3	1.24	1.89	4.26
24	121	-38779.1	16038.6	4769.7	1.00	-5.62	15.17
	122	38779.1	-9475.8	-5118.2	-1.00	-2.10	4.76
25	121	45843.3	23882.7	-5850.0	-1.45	7.66	24.79
	122	-45843.3	-15868.1	5850.0	1.45	1.47	6.26

	121	-36580.4	21216.8	6186.5	0.79	-7.14	20.12
	122	36580.4	-13202.2	-6186.5	-0.79	-2.52	6.76
27	121	-7239.9	20353.7	-2209.3	0.50	2.68	18.47
	122	7239.9	-13145.7	2209.3	-0.50	1.41	7.74
28	121	-485.8	21062.5	-1221.4	0.71	1.76	21.08
	122	485.8	-13854.5	1221.4	-0.71	0.71	6.23
29	121	-10345.8	19923.0	-1995.0	-0.38	2.17	16.66
	122	10345.8	-12714.9	1995.0	0.38	1.26	8.84
30	121	5003.1	21443.7	823.2	-0.58	-0.74	22.10
	122	-5003.1	-14235.7	-823.2	0.58	-0.73	5.76
31	121	6399.9	21485.4	1696.1	-1.33	-1.87	22.04
	122	-6399.9	-14277.4	-1696.1	1.33	-1.34	5.85
32	121	13154.1	22194.2	2684.0	-1.12	-2.79	24.66
	122	-13154.1	-14986.2	-2684.0	1.12	-2.04	4.34
33	121	12168.0	22285.4	1298.1	0.31	-0.91	25.39
	122	-12168.0	-15077.4	-1298.1	-0.31	-1.07	3.80
34	121	16260.0	22625.0	2469.7	-0.24	-2.28	26.46
	122	-16260.0	-15416.9	-2469.7	0.24	-1.89	3.24
35	121	2274.8	16365.1	192.5	-0.21	-0.04	16.56
	122	-2274.8	-10501.4	-192.5	0.21	-0.26	4.43
36	121	2244.9	16187.9	1471.9	-0.27	-1.60	16.39
	122	-2244.9	-10378.0	-1162.2	0.27	-0.46	4.36
37	121	690.3	11573.3	279.6	-0.09	-0.47	11.92
	122	-690.3	-7053.9	-279.6	0.09	0.03	2.63
38	121	1072.9	7904.8	-850.0	0.02	1.16	7.92
	122	-1072.9	-4353.3	617.7	-0.02	-0.02	1.65
39	121	2538.7	11357.0	94.5	-0.12	0.15	11.22
	122	-2538.7	-6837.5	-94.5	0.12	-0.30	2.99
40	121	18077.3	11989.4	-2259.7	-0.55	2.93	12.48
	122	-18077.3	-7470.0	2259.7	0.55	0.60	2.71
41	121	-14892.2	10923.1	2554.9	0.34	-2.99	10.62
	122	14892.2	-6403.6	-2554.9	-0.34	-1.00	2.91
42	121	2957.1	21274.0	237.4	-0.31	-0.05	21.56
	122	-2957.1	-14065.9	-237.4	0.31	-0.32	6.04
43	121	-7545.1	20324.8	-2204.6	0.53	2.60	18.35
	122	7545.1	-13116.8	2204.6	-0.53	1.45	7.81
44	121	-513.6	21064.9	-1198.9	0.75	1.66	21.09
	122	513.6	-13856.9	1198.9	-0.75	0.74	6.23
45	121	-10858.0	19866.8	-2020.7	-0.38	2.16	16.45
	122	10858.0	-12658.7	2020.7	0.38	1.28	8.97
46	121	-6666.1	20214.2	-857.2	-0.95	0.85	17.55
	122	6666.1	-13006.2	857.2	0.95	0.43	8.39
47	121	6427.8	21483.0	1673.6	-1.36	-1.77	22.03
	122	-6427.8	-14275.0	-1673.6	1.36	-1.38	5.85
48	121	13459.3	22223.1	2679.4	-1.15	-2.71	24.77
	122	-13459.3	-15015.1	-2679.4	1.15	-2.08	4.27
49	121	12580.3	22333.7	1331.9	0.33	-0.96	25.57
	122	-12580.3	-15125.7	-1331.9	-0.33	-1.07	3.69
50	121	16772.1	22681.2	2495.4	-0.24	-2.27	26.67
	122	-16772.1	-15473.2	-2495.4	0.24	-1.91	3.11
51	121	-6980.1	10683.7	-1846.2	0.75	2.13	8.95
	122	6980.1	-6164.3	1846.2	-0.75	1.24	4.24
52	121	-1296.6	11280.6	-1031.1	0.58	1.38	11.15
	122	1296.6	-6761.2	1031.1	-0.58	0.67	2.97
53	121	-9599.2	10319.1	-1686.7	0.41	1.77	7.43
	122	9599.2	-5799.7	1686.7	-0.41	1.10	5.18

	121	-6160.7	10603.6	-735.0	-0.05	0.70	8.33
	122	6160.7	-6084.1	735.0	0.05	0.41	4.70
55	121	4481.6	11631.8	1326.3	-0.79	-1.43	11.95
	122	-4481.6	-7112.4	-1326.3	0.79	-1.07	2.66
56	121	10165.1	12228.8	2141.4	-0.96	-2.19	14.15
	122	-10165.1	-7709.3	-2141.4	0.96	-1.64	1.38
57	121	9345.8	12308.9	1030.2	-0.16	-0.75	14.77
	122	-9345.8	-7789.5	-1030.2	0.16	-0.81	0.93
58	121	12784.3	12593.3	1982.0	-0.63	-1.82	15.68
	122	-12784.3	-8073.9	-1982.0	0.63	-1.51	0.45
1	122	2152.9	6949.2	-173.1	-0.03	0.39	-3.84
	123	-2152.9	-947.2	173.1	0.03	-0.12	10.01
2	122	4177.9	12911.7	-236.5	0.01	0.65	-8.73
	123	-4177.9	-2874.3	236.5	-0.01	-0.28	21.06
3	122	29916.6	15637.4	1091.1	-0.28	0.05	-10.89
	123	-29916.6	-3662.9	-626.2	0.28	-1.39	25.97
4	122	27579.8	12936.6	474.4	-0.26	-0.66	-8.24
	123	-27579.8	-2899.1	-474.4	0.26	-0.08	20.61
5	122	28124.5	10627.8	-501.8	-0.33	-0.42	-6.71
	123	-28124.5	-2043.1	153.2	0.33	0.93	16.61
6	122	30332.4	12622.5	72.7	-0.32	-0.05	-8.75
	123	-30332.4	-2585.1	-72.7	0.32	-0.07	20.64
7	122	-19565.3	15910.1	245.9	0.36	1.81	-11.34
	123	19565.3	-3935.6	218.9	-0.36	-1.83	26.85
8	122	-21902.1	13209.3	-370.7	0.38	1.10	-8.69
	123	21902.1	-3171.8	370.7	-0.38	-0.52	21.49
9	122	-21357.4	10900.5	-1347.0	0.31	1.34	-7.16
	123	21357.4	-2315.8	998.3	-0.31	0.49	17.49
10	122	-19149.4	12895.2	-772.4	0.31	1.71	-9.20
	123	19149.4	-2857.8	772.4	-0.31	-0.50	21.52
11	122	29569.1	14564.1	1726.2	-0.28	0.10	-10.03
	123	-29569.1	-3316.0	-951.3	0.28	-2.19	24.01
12	122	-19912.7	14836.8	881.0	0.35	1.86	-10.49
	123	19912.7	-3588.7	-106.2	-0.35	-2.63	24.89
13	122	25674.5	10062.8	698.4	-0.25	-1.08	-5.62
	123	-25674.5	-2043.1	-698.4	0.25	-0.01	15.08
14	122	-23807.4	10335.5	-146.7	0.39	0.68	-6.07
	123	23807.4	-2315.8	146.7	-0.39	-0.45	15.96
15	122	26582.4	6214.8	-928.7	-0.36	-0.68	-3.07
	123	-26582.4	-616.3	347.6	0.36	1.68	8.41
16	122	-22899.5	6487.5	-1773.8	0.28	1.08	-3.52
	123	22899.5	-889.0	1192.7	-0.28	1.24	9.29
17	122	30262.3	9539.4	28.9	-0.35	-0.06	-6.47
	123	-30262.3	-1519.6	-28.9	0.35	0.02	15.12
18	122	-19219.6	9812.1	-816.2	0.28	1.70	-6.93
	123	19219.6	-1792.3	816.2	-0.28	-0.42	16.00
19	122	45398.0	12565.2	1404.5	-0.51	-0.67	-8.29
	123	-45398.0	-2608.4	-939.6	0.51	-1.16	20.15
20	122	-37071.8	13019.7	-4.0	0.55	2.26	-9.05
	123	37071.8	-3063.0	468.9	-0.55	-1.89	21.61
21	122	43061.2	9864.4	787.9	-0.49	-1.38	-5.64
	123	-43061.2	-1844.7	-787.9	0.49	0.14	14.79
22	122	-39408.6	10318.9	-620.7	0.57	1.56	-6.40
	123	39408.6	-2299.2	620.7	-0.57	-0.59	16.26
23	122	43605.9	7555.6	-188.4	-0.56	-1.14	-4.11

	123	-43605.9	-988.7	-160.3	0.56	1.16	10.79
24	122	-38863.9	8010.1	-1596.9	0.50	1.80	-4.87
	123	38863.9	-1443.2	1248.3	-0.50	0.43	12.26
25	122	45813.9	9550.4	386.2	-0.55	-0.77	-6.16
	123	-45813.9	-1530.6	-386.2	0.55	0.16	14.82
26	122	-36655.9	10004.9	-1022.4	0.51	2.17	-6.91
	123	36655.9	-1985.1	1022.4	-0.51	-0.57	16.28
27	122	-6505.6	8065.7	-879.5	0.52	-1.37	-7.77
	123	6505.6	-853.1	879.5	-0.52	2.01	14.73
28	122	-621.4	9049.7	-1071.3	0.41	-0.69	-6.26
	123	621.4	-1837.1	1071.3	-0.41	1.45	14.63
29	122	-8834.6	7358.6	-82.8	0.33	-1.12	-8.86
	123	8834.6	-146.0	82.8	-0.33	1.32	14.92
30	122	4860.4	9376.7	88.7	-0.12	0.89	-5.80
	123	-4860.4	-2164.1	-88.7	0.12	-0.78	14.84
31	122	6454.2	9325.7	757.5	-0.38	1.58	-5.89
	123	-6454.2	-2113.0	-757.5	0.38	-1.85	14.97
32	122	12338.4	10309.7	565.7	-0.49	2.26	-4.39
	123	-12338.4	-3097.1	-565.7	0.49	-2.41	14.87
33	122	10779.5	10638.8	-722.1	-0.03	1.12	-3.86
	123	-10779.5	-3426.1	722.1	0.03	-0.56	14.61
34	122	14667.4	11016.8	-231.0	-0.31	2.01	-3.29
	123	-14667.4	-3804.1	231.0	0.31	-1.72	14.68
35	122	2241.4	7200.2	-135.7	-0.00	0.36	-4.45
	123	-2241.4	-1332.7	135.7	0.00	-0.15	11.12
36	122	2231.5	7120.7	488.8	0.00	0.45	-4.41
	123	-2231.5	-1307.0	-178.8	-0.00	-0.97	11.00
37	122	673.6	5320.1	77.7	0.02	-0.02	-2.64
	123	-673.6	-797.8	-77.7	-0.02	-0.10	7.42
38	122	1036.8	3780.9	-573.2	-0.03	0.14	-1.62
	123	-1036.8	-227.1	340.7	0.03	0.57	4.76
39	122	2508.7	5110.8	-190.1	-0.02	0.39	-2.99
	123	-2508.7	-588.4	190.1	0.02	-0.09	7.44
40	122	18060.3	5121.8	167.1	-0.23	-0.32	-2.67
	123	-18060.3	-599.4	-167.1	0.23	0.05	7.14
41	122	-14927.6	5303.6	-396.3	0.20	0.86	-2.97
	123	14927.6	-781.3	396.3	-0.20	-0.24	7.72
42	122	2916.4	9187.7	-156.9	0.01	0.44	-6.08
	123	-2916.4	-1975.1	156.9	-0.01	-0.20	14.80
43	122	-6784.6	8021.1	-837.6	0.54	-1.41	-7.84
	123	6784.6	-808.5	837.6	-0.54	2.02	14.74
44	122	-663.9	9050.8	-1021.7	0.42	-0.73	-6.26
	123	663.9	-1838.1	1021.7	-0.42	1.47	14.66
45	122	-9276.8	7276.1	-81.9	0.34	-1.14	-8.99
	123	9276.8	-63.4	81.9	-0.34	1.31	14.91
46	122	-5292.5	7667.1	381.7	0.06	-0.23	-8.40
	123	5292.5	-454.5	-381.7	-0.06	0.15	14.97
47	122	6496.7	9324.6	707.9	-0.40	1.62	-5.89
	123	-6496.7	-2112.0	-707.9	0.40	-1.87	14.95
48	122	12617.4	10354.3	523.8	-0.51	2.30	-4.32
	123	-12617.4	-3141.6	-523.8	0.51	-2.42	14.86
49	122	11125.3	10708.3	-695.6	-0.03	1.12	-3.75
	123	-11125.3	-3495.6	695.6	0.03	-0.54	14.63
50	122	15109.7	11099.3	-231.9	-0.31	2.03	-3.17
	123	-15109.7	-3886.7	231.9	0.31	-1.71	14.69
51	122	-6356.1	4268.3	-669.4	0.41	-1.24	-4.24

	123	6356.1	254.1	669.4	-0.41	1.72	7.38
52	122	-1405.3	5097.5	-818.8	0.32	-0.69	-2.97
	123	1405.3	-575.2	818.8	-0.32	1.27	7.31
53	122	-8319.1	3671.7	-54.4	0.25	-1.02	-5.16
	123	8319.1	850.7	54.4	-0.25	1.14	7.52
54	122	-5050.9	3989.5	323.3	0.02	-0.28	-4.69
	123	5050.9	532.8	-323.3	-0.02	0.19	7.57
55	122	4537.9	5327.8	589.7	-0.35	1.23	-2.66
	123	-4537.9	-805.5	-589.7	0.35	-1.45	7.55
56	122	9488.8	6157.1	440.2	-0.44	1.78	-1.40
	123	-9488.8	-1634.8	-440.2	0.44	-1.90	7.48
57	122	8183.6	6435.8	-552.5	-0.05	0.82	-0.95
	123	-8183.6	-1913.5	552.5	0.05	-0.37	7.29
58	122	11451.8	6753.7	-174.8	-0.28	1.56	-0.47
	123	-11451.8	-2231.4	174.8	0.28	-1.33	7.34
1	123	2134.3	-1601.1	-167.3	-0.10	0.16	-10.00
	124	-2134.3	7603.1	167.3	0.10	0.11	2.81
2	123	4153.7	-4655.3	-253.8	-0.19	0.32	-21.06
	124	-4153.7	14692.7	253.8	0.19	0.08	5.94
3	123	29856.3	-5723.6	-2265.5	-0.23	1.63	-25.92
	124	-29856.3	17698.0	2730.4	0.23	2.28	7.62
4	123	27530.7	-4090.0	-1752.3	-0.20	0.26	-20.58
	124	-27530.7	14127.5	1752.3	0.20	2.47	6.34
5	123	28049.9	-3134.8	-1867.2	-0.35	-0.60	-16.54
	124	-28049.9	11719.5	1518.5	0.35	3.24	4.93
6	123	30256.5	-4403.7	-2139.3	-0.31	0.40	-20.56
	124	-30256.5	14441.1	2139.3	0.31	2.95	5.83
7	123	-19537.8	-6545.1	1297.0	-0.02	1.55	-26.92
	124	19537.8	18519.6	-832.1	0.02	-3.22	7.33
8	123	-21863.4	-4911.6	1810.2	0.01	0.19	-21.58
	124	21863.4	14949.0	-1810.2	-0.01	-3.02	6.06
9	123	-21344.2	-3956.4	1695.3	-0.14	-0.67	-17.54
	124	21344.2	12541.0	-2044.0	0.14	-2.25	4.64
10	123	-19137.6	-5225.2	1423.2	-0.10	0.33	-21.56
	124	19137.6	15262.7	-1423.2	0.10	-2.55	5.55
11	123	29517.0	-5182.5	-2375.9	-0.14	2.39	-23.96
	124	-29517.0	16430.6	3150.7	0.14	1.93	7.07
12	123	-19877.1	-6004.1	1186.6	0.07	2.32	-24.96
	124	19877.1	17252.2	-411.8	-0.07	-3.57	6.79
13	123	25641.0	-2460.0	-1520.5	-0.10	0.12	-15.06
	124	-25641.0	10479.7	1520.5	0.10	2.25	4.95
14	123	-23753.0	-3281.5	2042.0	0.11	0.05	-16.06
	124	23753.0	11301.3	-2042.0	-0.11	-3.24	4.66
15	123	26506.4	-867.9	-1712.0	-0.35	-1.32	-8.33
	124	-26506.4	6466.4	1130.9	0.35	3.54	2.59
16	123	-22887.7	-1689.5	1850.5	-0.14	-1.39	-9.33
	124	22887.7	7287.9	-2431.6	0.14	-1.96	2.31
17	123	30184.0	-2982.7	-2165.6	-0.28	0.35	-15.03
	124	-30184.0	11002.5	2165.6	0.28	3.04	4.10
18	123	-19210.1	-3804.3	1396.9	-0.07	0.27	-16.03
	124	19210.1	11824.0	-1396.9	0.07	-2.46	3.82
19	123	45311.3	-3922.6	-3409.7	-0.25	1.57	-20.06
	124	-45311.3	13879.4	3874.6	0.25	4.12	6.14
20	123	-37012.1	-5291.9	2527.8	0.10	1.45	-21.72
	124	37012.1	15248.6	-2062.9	-0.10	-5.03	5.67

	123	42985.7	-2289.1	-2896.5	-0.23	0.21	-14.71
	124	-42985.7	10308.8	2896.5	0.23	4.32	4.87
22	123	-39337.7	-3658.4	3041.0	0.12	0.09	-16.38
	124	39337.7	11678.1	-3041.0	-0.12	-4.84	4.40
23	123	43504.9	-1333.9	-3011.4	-0.38	-0.66	-10.67
	124	-43504.9	7900.8	2662.8	0.38	5.09	3.46
24	123	-38818.5	-2703.1	2926.1	-0.03	-0.78	-12.34
	124	38818.5	9270.1	-3274.7	0.03	-4.07	2.98
25	123	45711.5	-2602.8	-3283.6	-0.34	0.34	-14.70
	124	-45711.5	10622.5	3283.6	0.34	4.79	4.36
26	123	-36612.0	-3972.0	2653.9	0.01	0.22	-16.36
	124	36612.0	11991.7	-2653.9	-0.01	-4.37	3.89
27	123	-5728.4	-3076.8	1455.4	-0.35	-2.22	-14.71
	124	5728.4	10289.5	-1455.4	0.35	0.70	4.36
28	123	-717.2	-2081.6	1000.6	-0.42	-1.60	-14.62
	124	717.2	9294.3	-1000.6	0.42	0.91	5.96
29	123	-7289.1	-4662.2	1009.4	-0.09	-1.46	-14.91
	124	7289.1	11874.9	-1009.4	0.09	-0.07	1.82
30	123	4736.4	-3367.4	-585.9	-0.05	0.86	-14.84
	124	-4736.4	10580.0	585.9	0.05	-0.19	3.89
31	123	6516.5	-4289.4	-1335.2	0.17	2.03	-14.98
	124	-6516.5	11502.0	1335.2	-0.17	-0.83	2.41
32	123	11527.7	-3294.2	-1790.0	0.10	2.66	-14.89
	124	-11527.7	10506.8	1790.0	-0.10	-0.62	4.00
33	123	9414.9	-1345.0	-506.9	-0.32	0.62	-14.61
	124	-9414.9	8557.6	506.9	0.32	0.62	7.13
34	123	13088.4	-1708.7	-1344.0	-0.16	1.90	-14.69
	124	-13088.4	8921.4	1344.0	0.16	0.16	6.55
35	123	2226.5	-2167.4	-138.5	-0.10	0.16	-11.11
	124	-2226.5	8034.9	138.5	0.10	0.05	3.14
36	123	2223.8	-2135.4	-263.3	-0.02	0.96	-11.00
	124	-2223.8	7949.1	573.2	0.02	-0.30	3.12
37	123	673.4	-1046.4	78.9	-0.01	0.05	-7.44
	124	-673.4	5568.8	-78.9	0.01	-0.17	2.27
38	123	1019.6	-409.6	2.3	-0.11	-0.52	-4.75
	124	-1019.6	3963.4	-234.7	0.11	0.34	1.33
39	123	2490.6	-1255.5	-179.2	-0.08	0.14	-7.43
	124	-2490.6	5777.8	179.2	0.08	0.14	1.93
40	123	18018.1	-875.5	-1297.2	-0.14	0.14	-7.09
	124	-18018.1	5397.9	1297.2	0.14	1.89	2.19
41	123	-14911.3	-1423.2	1077.8	0.00	0.09	-7.76
	124	14911.3	5945.6	-1077.8	-0.00	-1.77	2.00
42	123	2899.7	-3185.5	-167.3	-0.13	0.22	-14.80
	124	-2899.7	10398.1	167.3	0.13	0.04	4.18
43	123	-5981.8	-3076.5	1499.4	-0.35	-2.25	-14.72
	124	5981.8	10289.1	-1499.4	0.35	0.66	4.36
44	123	-775.2	-2034.9	1044.6	-0.42	-1.64	-14.64
	124	775.2	9247.5	-1044.6	0.42	0.86	6.03
45	123	-7661.5	-4732.5	1022.4	-0.09	-1.46	-14.90
	124	7661.5	11945.2	-1022.4	0.09	-0.07	1.71
46	123	-3894.6	-5110.4	158.8	0.07	-0.16	-14.97
	124	3894.6	12323.0	-158.8	-0.07	-0.50	1.10
47	123	6574.5	-4336.1	-1379.2	0.17	2.07	-14.96
	124	-6574.5	11548.7	1379.2	-0.17	-0.78	2.33
48	123	11781.1	-3294.5	-1834.0	0.10	2.69	-14.87
	124	-11781.1	10507.1	1834.0	-0.10	-0.58	4.00

	123	9693.9	-1260.6	-493.4	-0.32	0.60	-14.63
	124	-9693.9	8473.2	493.4	0.32	0.59	7.27
50	123	13460.8	-1638.5	-1357.0	-0.16	1.90	-14.70
	124	-13460.8	8851.1	1357.0	0.16	0.16	6.66
51	123	-5702.6	-1058.5	1250.1	-0.25	-1.91	-7.37
	124	5702.6	5580.8	-1250.1	0.25	0.57	2.25
52	123	-1487.2	-219.9	877.9	-0.31	-1.40	-7.30
	124	1487.2	4742.3	-877.9	0.31	0.73	3.59
53	123	-7016.7	-2393.9	862.9	-0.04	-1.26	-7.51
	124	7016.7	6916.3	-862.9	0.04	-0.03	0.10
54	123	-3927.7	-2700.0	158.7	0.09	-0.20	-7.57
	124	3927.7	7222.4	-158.7	-0.09	-0.39	-0.39
55	123	4594.0	-2078.9	-1097.2	0.17	1.62	-7.55
	124	-4594.0	6601.2	1097.2	-0.17	-0.61	0.60
56	123	8809.4	-1240.3	-1469.4	0.11	2.13	-7.49
	124	-8809.4	5762.6	1469.4	-0.11	-0.45	1.95
57	123	7034.6	401.3	-378.0	-0.22	0.42	-7.29
	124	-7034.6	4121.1	378.0	0.22	0.51	4.58
58	123	10123.6	95.1	-1082.2	-0.10	1.48	-7.35
	124	-10123.6	4427.2	1082.2	0.10	0.15	4.09
1	124	2137.8	-10070.2	-114.6	-0.02	-0.16	-2.79
	125	-2137.8	16068.4	114.6	0.02	0.34	-17.62
2	124	4168.4	-21921.2	-160.8	0.17	-0.23	-5.87
	125	-4168.4	31952.2	160.8	-0.17	0.49	-36.20
3	124	29787.9	-28361.0	1636.0	0.61	-2.34	-7.49
	125	-29787.9	40327.9	-1171.4	-0.61	0.14	-46.16
4	124	27485.6	-22529.1	3300.2	0.44	-2.64	-6.28
	125	-27485.6	32560.1	-3300.2	-0.44	-2.51	-36.75
5	124	27994.3	-18356.2	3966.8	-0.04	-3.34	-4.88
	125	-27994.3	26935.4	-4315.2	0.04	-3.13	-30.49
6	124	30188.8	-22781.5	2792.4	0.20	-2.98	-5.74
	125	-30188.8	32812.5	-2792.4	-0.20	-1.38	-37.68
7	124	-19454.8	-26910.1	-4630.1	0.46	3.01	-7.24
	125	19454.8	38876.9	5094.7	-0.46	4.59	-44.14
8	124	-21757.1	-21078.1	-2965.8	0.29	2.70	-6.03
	125	21757.1	31109.2	2965.8	-0.29	1.94	-34.73
9	124	-21248.4	-16905.3	-2299.3	-0.19	2.00	-4.63
	125	21248.4	25484.4	1950.9	0.19	1.32	-28.48
10	124	-19053.9	-21330.5	-3473.6	0.05	2.36	-5.49
	125	19053.9	31361.6	3473.6	-0.05	3.07	-35.66
11	124	29438.0	-26245.1	768.2	0.76	-1.92	-6.94
	125	-29438.0	37486.0	6.1	-0.76	1.33	-42.83
12	124	-19804.7	-24794.2	-5497.8	0.61	3.42	-6.69
	125	19804.7	36035.1	6272.2	-0.61	5.77	-40.81
13	124	25600.9	-16525.2	3542.0	0.48	-2.44	-4.93
	125	-25600.9	24539.8	-3542.0	-0.48	-3.10	-27.15
14	124	-23641.8	-15074.3	-2724.1	0.33	2.91	-4.68
	125	23641.8	23088.9	2724.1	-0.33	1.35	-25.13
15	124	26448.7	-9570.4	4652.9	-0.33	-3.59	-2.59
	125	-26448.7	15165.3	-5233.6	0.33	-4.13	-16.73
16	124	-22794.0	-8119.5	-1613.2	-0.48	1.75	-2.34
	125	22794.0	13714.3	1032.5	0.48	0.32	-14.71
17	124	30106.2	-16945.9	2695.7	0.08	-3.00	-4.03
	125	-30106.2	24960.4	-2695.7	-0.08	-1.21	-28.70
18	124	-19136.6	-15494.9	-3570.4	-0.07	2.34	-3.78

	125	19136.6	23509.5	3570.4	0.07	3.24	-26.68
19	124	45186.8	-22919.2	3747.8	0.57	-4.08	-6.03
	125	-45186.8	32869.6	-3283.2	-0.57	-1.41	-37.54
20	124	-36884.3	-20501.0	-6695.7	0.32	4.82	-5.62
	125	36884.3	30451.3	7160.3	-0.32	6.00	-34.18
21	124	42884.6	-17087.3	5412.0	0.40	-4.39	-4.82
	125	-42884.6	25101.9	-5412.0	-0.40	-4.06	-28.13
22	124	-39186.6	-14669.0	-5031.4	0.15	4.51	-4.41
	125	39186.6	22683.6	5031.4	-0.15	3.35	-24.76
23	124	43393.2	-12914.4	6078.6	-0.09	-5.08	-3.42
	125	-43393.2	19477.1	-6427.0	0.09	-4.68	-21.88
24	124	-38678.0	-10496.1	-4364.9	-0.34	3.82	-3.01
	125	38678.0	17058.9	4016.5	0.34	2.73	-18.51
25	124	45587.7	-17339.6	4904.2	0.16	-4.73	-4.28
	125	-45587.7	25354.2	-4904.2	-0.16	-2.93	-29.06
26	124	-36483.5	-14921.4	-5539.2	-0.09	4.17	-3.87
	125	36483.5	22936.0	5539.2	0.09	4.48	-25.70
27	124	-4932.1	-15242.4	2642.7	-0.34	-0.79	-4.30
	125	4932.1	22450.5	-2642.7	0.34	-3.66	-25.17
28	124	-790.0	-14410.9	3370.3	-0.43	-0.97	-5.89
	125	790.0	21618.9	-3370.3	0.43	-4.74	-22.28
29	124	-5724.4	-16581.1	-380.8	0.12	-0.07	-1.77
	125	5724.4	23789.1	380.8	-0.12	0.76	-29.76
30	124	4642.0	-15511.1	-1032.2	0.27	0.06	-3.85
	125	-4642.0	22719.1	1032.2	-0.27	1.66	-25.99
31	124	6611.1	-16295.4	-3570.7	0.67	0.66	-2.39
	125	-6611.1	23503.4	3570.7	-0.67	5.36	-28.66
32	124	10753.2	-15463.9	-2843.1	0.58	0.48	-3.98
	125	-10753.2	22671.9	2843.1	-0.58	4.28	-25.77
33	124	8082.5	-13809.3	2044.5	-0.19	-0.68	-7.08
	125	-8082.5	21017.3	-2044.5	0.19	-2.84	-20.14
34	124	11545.5	-14125.2	180.5	0.12	-0.24	-6.51
	125	-11545.5	21333.2	-180.5	-0.12	-0.14	-21.18
35	124	2233.7	-11402.8	-84.8	0.06	-0.13	-3.11
	125	-2233.7	17266.6	84.8	-0.06	0.26	-19.28
36	124	2222.3	-11262.1	-960.2	0.24	0.27	-3.08
	125	-2222.3	17072.0	1269.9	-0.24	1.47	-19.05
37	124	687.4	-7374.1	149.3	0.12	0.07	-2.27
	125	-687.4	11893.5	-149.3	-0.12	-0.30	-12.77
38	124	1026.5	-4592.2	593.6	-0.20	-0.40	-1.34
	125	-1026.5	8143.7	-825.9	0.20	-0.71	-8.61
39	124	2489.5	-7542.4	-189.2	-0.04	-0.16	-1.91
	125	-2489.5	12061.8	189.2	0.04	0.46	-13.40
40	124	17971.1	-7936.2	2019.3	0.04	-1.89	-2.17
	125	-17971.1	12455.6	-2019.3	-0.04	-1.27	-13.76
41	124	-14857.4	-6968.9	-2158.1	-0.06	1.67	-2.00
	125	14857.4	11488.3	2158.1	0.06	1.70	-12.41
42	124	2910.6	-15353.1	-100.2	0.12	-0.15	-4.14
	125	-2910.6	22561.2	100.2	-0.12	0.31	-25.47
43	124	-5161.3	-15245.9	2729.7	-0.33	-0.75	-4.30
	125	5161.3	22453.9	-2729.7	0.33	-3.81	-25.17
44	124	-865.0	-14376.7	3451.5	-0.41	-0.92	-5.97
	125	865.0	21584.7	-3451.5	0.41	-4.88	-22.15
45	124	-6027.0	-16639.3	-346.0	0.12	-0.08	-1.66
	125	6027.0	23847.3	346.0	-0.12	0.71	-29.97
46	124	-2472.8	-16964.4	-2260.5	0.41	0.33	-1.06

	125	2472.8	24172.4	2260.5	-0.41	3.50	-31.05
47	124	6686.1	-16329.6	-3651.9	0.65	0.61	-2.31
	125	-6686.1	23537.6	3651.9	-0.65	5.51	-28.79
48	124	10982.4	-15460.4	-2930.0	0.56	0.44	-3.98
	125	-10982.4	22668.4	2930.0	-0.56	4.43	-25.77
49	124	8293.9	-13741.9	2060.1	-0.17	-0.64	-7.22
	125	-8293.9	20950.0	-2060.1	0.17	-2.88	-19.89
50	124	11848.1	-14067.0	145.6	0.12	-0.23	-6.62
	125	-11848.1	21275.0	-145.6	-0.12	-0.09	-20.98
51	124	-5039.4	-7363.0	2232.5	-0.37	-0.59	-2.22
	125	5039.4	11882.4	-2232.5	0.37	-3.13	-12.84
52	124	-1556.6	-6662.9	2818.7	-0.44	-0.73	-3.56
	125	1556.6	11182.3	-2818.7	0.44	-4.01	-10.40
53	124	-5704.3	-8487.5	-267.8	-0.01	-0.04	-0.09
	125	5704.3	13006.9	267.8	0.01	0.54	-16.70
54	124	-2791.4	-8751.2	-1824.7	0.23	0.29	0.39
	125	2791.4	13270.6	1824.7	-0.23	2.81	-17.58
55	124	4670.3	-8242.1	-2957.4	0.43	0.52	-0.61
	125	-4670.3	12761.5	2957.4	-0.43	4.44	-15.77
56	124	8153.1	-7542.0	-2371.3	0.35	0.38	-1.95
	125	-8153.1	12061.4	2371.3	-0.35	3.57	-13.33
57	124	5905.1	-6153.8	1686.0	-0.24	-0.51	-4.56
	125	-5905.1	10673.2	-1686.0	0.24	-2.38	-8.59
58	124	8818.0	-6417.5	129.0	-0.01	-0.17	-4.08
	125	-8818.0	10937.0	-129.0	0.01	-0.11	-9.47
1	125	1866.9	15476.9	24.9	-0.03	-0.11	17.13
	126	-1866.9	-9478.8	-24.9	0.03	0.07	2.36
2	125	3728.5	30631.1	44.1	-0.19	-0.21	35.09
	126	-3728.5	-20600.0	-44.1	0.19	0.14	4.92
3	125	27249.6	38216.8	-2258.6	-0.74	2.14	43.00
	126	-27249.6	-26250.0	2723.2	0.74	1.75	7.35
4	125	25688.2	31079.5	-3953.5	-0.60	4.05	34.83
	126	-25688.2	-21048.5	3953.5	0.60	2.12	5.88
5	125	25429.4	25407.6	-5551.7	-0.16	5.84	27.77
	126	-25429.4	-16828.4	5203.3	0.16	2.56	5.22
6	125	27002.1	30757.5	-4255.2	-0.36	4.43	33.83
	126	-27002.1	-20726.4	4255.2	0.36	2.22	6.38
7	125	-17763.8	37677.4	6112.8	-0.28	-6.79	44.58
	126	17763.8	-25710.6	-5648.3	0.28	-2.39	4.92
8	125	-19325.3	30540.1	4418.0	-0.15	-4.88	36.42
	126	19325.3	-20509.1	-4418.0	0.15	-2.02	3.45
9	125	-19584.0	24868.2	2819.7	0.30	-3.09	29.35
	126	19584.0	-16289.0	-3168.2	-0.30	-1.59	2.79
10	125	-18011.3	30218.0	4116.2	0.09	-4.51	35.42
	126	18011.3	-20187.0	-4116.2	-0.09	-1.92	3.95
11	125	26995.1	35517.1	-1012.8	-0.87	0.78	39.81
	126	-26995.1	-24276.2	1787.1	0.87	1.41	6.88
12	125	-18018.3	34977.7	7358.6	-0.42	-8.15	41.40
	126	18018.3	-23736.8	-6584.3	0.42	-2.74	4.45
13	125	24392.7	23621.6	-3837.6	-0.65	3.96	26.20
	126	-24392.7	-15607.0	3837.6	0.65	2.03	4.44
14	125	-20620.8	23082.2	4533.9	-0.19	-4.97	27.79
	126	20620.8	-15067.6	-4533.9	0.19	-2.12	2.01
15	125	23961.5	14168.4	-6501.3	0.09	6.95	14.43
	126	-23961.5	-8573.5	5920.6	-0.09	2.75	3.33

	125	-21051.9	13629.0	1870.1	0.55	-1.98	16.02
	126	21051.9	-8034.1	-2450.9	-0.55	-1.39	0.90
17	125	26582.6	23084.8	-4340.5	-0.25	4.59	24.54
	126	-26582.6	-15070.3	4340.5	0.25	2.19	5.26
18	125	-18430.8	22545.4	4030.9	0.21	-4.34	26.13
	126	18430.8	-14530.8	-4030.9	-0.21	-1.95	2.83
19	125	41323.3	30819.6	-5058.7	-0.81	5.17	33.49
	126	-41323.3	-20869.2	5523.2	0.81	3.10	6.88
20	125	-33699.1	29920.6	8893.8	-0.05	-9.72	36.13
	126	33699.1	-19970.2	-8429.2	0.05	-3.81	2.83
21	125	39761.9	23682.2	-6753.5	-0.68	7.08	25.32
	126	-39761.9	-15667.6	6753.5	0.68	3.47	5.42
22	125	-35260.5	22783.2	7198.9	0.08	-7.81	27.96
	126	35260.5	-14768.6	-7198.9	-0.08	-3.44	1.37
23	125	39503.1	18010.3	-8351.8	-0.23	8.87	18.26
	126	-39503.1	-11447.6	8003.3	0.23	3.90	4.75
24	125	-35519.2	17111.3	5600.6	0.53	-6.01	20.90
	126	35519.2	-10548.5	-5949.1	-0.53	-3.01	0.70
25	125	41075.8	23360.2	-7055.3	-0.44	7.45	24.32
	126	-41075.8	-15345.6	7055.3	0.44	3.57	5.91
26	125	-33946.6	22461.2	6897.1	0.32	-7.43	26.97
	126	33946.6	-14446.6	-6897.1	-0.32	-3.34	1.86
27	125	-3999.3	20654.6	-2666.6	0.54	3.19	25.06
	126	3999.3	-13446.6	2666.6	-0.54	1.12	3.32
28	125	396.6	21451.0	-2113.6	0.41	2.48	27.85
	126	-396.6	-14242.9	2113.6	-0.41	0.86	1.77
29	125	-6035.4	20140.5	-1613.1	0.26	1.92	20.59
	126	6035.4	-12932.5	1613.1	-0.26	0.79	5.77
30	125	3941.9	21823.5	764.7	-0.31	-1.04	24.20
	126	-3941.9	-14615.5	-764.7	0.31	-0.18	3.74
31	125	4836.4	21840.3	2186.9	-0.67	-2.78	21.59
	126	-4836.4	-14632.3	-2186.9	0.67	-0.68	5.15
32	125	9232.4	22636.7	2740.0	-0.79	-3.48	24.38
	126	-9232.4	-15428.7	-2740.0	0.79	-0.93	3.60
33	125	8617.8	22795.0	230.4	-0.16	-0.43	29.89
	126	-8617.8	-15587.0	-230.4	0.16	-0.07	0.60
34	125	11268.5	23150.8	1686.5	-0.52	-2.22	28.85
	126	-11268.5	-15942.7	-1686.5	0.52	-0.61	1.15
35	125	1996.0	16594.3	30.3	-0.08	-0.11	18.73
	126	-1996.0	-10730.5	-30.3	0.08	0.07	2.61
36	125	2051.8	16420.3	1279.3	-0.24	-1.49	18.54
	126	-2051.8	-10610.3	-969.6	0.24	-0.26	2.57
37	125	1010.8	11662.1	149.4	-0.15	-0.22	13.10
	126	-1010.8	-7142.6	-149.4	0.15	-0.01	1.59
38	125	838.3	7880.8	-916.1	0.15	0.97	8.39
	126	-838.3	-4329.2	683.8	-0.15	0.27	1.15
39	125	1886.8	11447.4	-51.8	0.01	0.03	12.43
	126	-1886.8	-6927.9	51.8	-0.01	0.05	1.92
40	125	16380.0	11722.7	-2766.6	-0.18	2.90	12.22
	126	-16380.0	-7203.3	2766.6	0.18	1.43	2.57
41	125	-13629.0	11363.1	2814.4	0.13	-3.06	13.27
	126	13629.0	-6843.7	-2814.4	-0.13	-1.34	0.95
42	125	2616.5	21645.7	36.7	-0.13	-0.15	24.72
	126	-2616.5	-14437.6	-36.7	0.13	0.09	3.46
43	125	-4194.4	20626.9	-2563.3	0.54	3.04	25.06
	126	4194.4	-13418.9	2563.3	-0.54	1.07	3.31

	125	384.9	21460.0	-2003.5	0.41	2.34	27.98
	126	-384.9	-14252.0	2003.5	-0.41	0.82	1.69
45	125	-6372.1	20076.6	-1592.4	0.26	1.88	20.39
	126	6372.1	-12868.6	1592.4	-0.26	0.77	5.88
46	125	-3659.3	20437.9	-200.3	-0.10	0.17	19.31
	126	3659.3	-13229.9	200.3	0.10	0.25	6.46
47	125	4848.1	21831.3	2076.9	-0.67	-2.64	21.46
	126	-4848.1	-14623.3	-2076.9	0.67	-0.64	5.23
48	125	9427.4	22664.4	2636.7	-0.79	-3.34	24.38
	126	-9427.4	-15456.3	-2636.7	0.79	-0.89	3.61
49	125	8892.4	22853.4	273.7	-0.16	-0.47	30.13
	126	-8892.4	-15645.4	-273.7	0.16	-0.07	0.46
50	125	11605.1	23214.7	1665.8	-0.52	-2.17	29.05
	126	-11605.1	-16006.7	-1665.8	0.52	-0.59	1.04
51	125	-4183.2	10716.5	-2094.9	0.52	2.52	13.03
	126	4183.2	-6197.0	2094.9	-0.52	0.84	1.64
52	125	-482.8	11387.4	-1643.0	0.41	1.95	15.38
	126	482.8	-6868.0	1643.0	-0.41	0.64	0.33
53	125	-5904.5	10277.3	-1297.0	0.29	1.56	9.26
	126	5904.5	-5757.9	1297.0	-0.29	0.59	3.70
54	125	-3679.4	10571.9	-161.3	-0.00	0.17	8.39
	126	3679.4	-6052.4	161.3	0.00	0.17	4.17
55	125	3233.8	11698.4	1690.9	-0.46	-2.11	10.11
	126	-3233.8	-7178.9	-1690.9	0.46	-0.55	3.18
56	125	6934.2	12369.3	2142.7	-0.57	-2.68	12.46
	126	-6934.2	-7849.9	-2142.7	0.57	-0.76	1.87
57	125	6430.4	12513.9	209.2	-0.05	-0.33	17.10
	126	-6430.4	-7994.5	-209.2	0.05	-0.09	-0.65
58	125	8655.5	12808.5	1344.9	-0.34	-1.72	16.23
	126	-8655.5	-8289.0	-1344.9	0.34	-0.51	-0.19
1	126	1850.0	7024.9	-17.5	0.04	0.02	-2.38
	127	-1850.0	-1023.0	17.5	-0.04	0.01	8.67
2	126	3693.7	13384.9	-20.3	0.14	0.05	-5.00
	127	-3693.7	-3347.4	20.3	-0.14	-0.01	18.07
3	126	27213.8	15514.5	1797.1	0.04	-1.40	-7.43
	127	-27213.8	-3540.0	-1332.2	-0.04	-1.04	22.32
4	126	25643.0	12629.6	1045.5	0.01	-1.75	-5.92
	127	-25643.0	-2592.2	-1045.5	-0.01	0.12	17.81
5	126	25370.5	10131.6	472.8	0.08	-2.11	-5.20
	127	-25370.5	-1546.9	-821.5	-0.08	1.10	14.33
6	126	26949.5	12281.4	1019.4	0.08	-1.80	-6.40
	127	-26949.5	-2243.9	-1019.4	-0.08	0.20	17.75
7	126	-17771.1	17405.6	-325.5	0.19	2.30	-5.11
	127	17771.1	-5431.1	790.4	-0.19	-1.43	22.95
8	126	-19341.9	14520.8	-1077.1	0.16	1.95	-3.59
	127	19341.9	-4483.3	1077.1	-0.16	-0.27	18.44
9	126	-19614.4	12022.8	-1649.7	0.23	1.59	-2.88
	127	19614.4	-3438.1	1301.1	-0.23	0.71	14.96
10	126	-18035.4	14172.6	-1103.1	0.22	1.91	-4.07
	127	18035.4	-4135.1	1103.1	-0.22	-0.18	18.38
11	126	26977.1	14384.6	2302.5	-0.01	-1.15	-6.97
	127	-26977.1	-3136.5	-1527.7	0.01	-1.85	20.67
12	126	-18007.8	16275.7	179.9	0.13	2.56	-4.65
	127	18007.8	-5027.7	594.9	-0.13	-2.23	21.30
13	126	24359.1	9576.5	1049.9	-0.06	-1.73	-4.45

	127	-24359.1	-1556.8	-1049.9	0.06	0.08	13.15
14	126	-20625.8	11467.7	-1072.7	0.08	1.98	-2.12
	127	20625.8	-3448.0	1072.7	-0.08	-0.30	13.78
15	126	23904.9	5413.2	95.4	0.05	-2.33	-3.25
	127	-23904.9	185.2	-676.6	-0.05	1.73	7.34
16	126	-21079.9	7304.3	-2027.1	0.19	1.37	-0.93
	127	21079.9	-1705.9	1446.0	-0.19	1.34	7.97
17	126	26536.6	8996.1	1006.4	0.04	-1.80	-5.24
	127	-26536.6	-976.4	-1006.4	-0.04	0.23	13.04
18	126	-18448.3	10887.3	-1116.1	0.19	1.90	-2.92
	127	18448.3	-2867.6	1116.1	-0.19	-0.16	13.67
19	126	41286.9	11704.1	2506.0	-0.05	-2.65	-6.90
	127	-41286.9	-1747.4	-2041.1	0.05	-0.90	17.41
20	126	-33687.9	14856.0	-1031.7	0.20	3.52	-3.02
	127	33687.9	-4899.3	1496.6	-0.20	-1.55	18.46
21	126	39716.1	8819.3	1754.4	-0.08	-3.00	-5.38
	127	-39716.1	-799.6	-1754.4	0.08	0.26	12.90
22	126	-35258.7	11971.2	-1783.2	0.17	3.17	-1.51
	127	35258.7	-3951.5	1783.2	-0.17	-0.39	13.95
23	126	39443.6	6321.3	1181.7	-0.01	-3.36	-4.67
	127	-39443.6	245.7	-1530.4	0.01	1.24	9.41
24	126	-35531.2	9473.2	-2355.9	0.23	2.81	-0.79
	127	35531.2	-2906.2	2007.2	-0.23	0.60	10.47
25	126	41022.6	8471.0	1728.3	-0.02	-3.04	-5.86
	127	-41022.6	-451.3	-1728.3	0.02	0.34	12.83
26	126	-33952.2	11623.0	-1809.3	0.23	3.13	-1.99
	127	33952.2	-3603.2	1809.3	-0.23	-0.30	13.89
27	126	-3233.6	9604.1	-852.8	0.28	-0.90	-3.37
	127	3233.6	-2391.4	852.8	-0.28	1.92	12.46
28	126	287.9	10552.6	-1024.1	0.33	-0.62	-1.82
	127	-287.9	-3340.0	1024.1	-0.33	2.20	12.37
29	126	-4496.5	8089.5	-7.7	0.07	-0.67	-5.81
	127	4496.5	-876.9	7.7	-0.07	0.14	12.77
30	126	3811.7	9320.7	259.9	0.03	0.28	-3.79
	127	-3811.7	-2108.1	-259.9	-0.03	-0.63	12.81
31	126	4896.4	8438.6	990.8	-0.15	0.70	-5.20
	127	-4896.4	-1225.9	-990.8	0.15	-2.22	13.06
32	126	8417.9	9387.1	819.5	-0.10	0.98	-3.66
	127	-8417.9	-2174.4	-819.5	0.10	-1.94	12.98
33	126	7241.8	11251.3	-578.7	0.24	0.26	-0.66
	127	-7241.8	-4038.6	578.7	-0.24	1.08	12.48
34	126	9680.8	10901.6	-25.6	0.11	0.74	-1.21
	127	-9680.8	-3689.0	25.6	-0.11	-0.16	12.66
35	126	1977.6	7375.6	-15.7	0.06	0.03	-2.64
	127	-1977.6	-1508.1	15.7	-0.06	-0.00	9.58
36	126	2048.2	7305.7	489.2	0.02	0.29	-2.62
	127	-2048.2	-1492.0	-179.3	-0.02	-0.81	9.49
37	126	1001.0	5382.5	-11.8	-0.00	0.06	-1.61
	127	-1001.0	-860.2	11.8	0.00	-0.04	6.48
38	126	819.3	3717.1	-393.6	0.04	-0.18	-1.13
	127	-819.3	-163.3	161.1	-0.04	0.62	4.16
39	126	1872.0	5150.3	-29.2	0.04	0.03	-1.92
	127	-1872.0	-628.0	29.2	-0.04	0.02	6.44
40	126	16358.0	4625.2	692.7	-0.02	-1.22	-2.54
	127	-16358.0	-102.9	-692.7	0.02	0.13	6.24
41	126	-13631.9	5886.0	-722.3	0.08	1.25	-0.99

	127	13631.9	-1363.7	722.3	-0.08	-0.12	6.66
42	126	2592.2	9495.6	-16.6	0.09	0.04	-3.51
	127	-2592.2	-2282.9	16.6	-0.09	-0.01	12.72
43	126	-3400.8	9604.1	-808.0	0.29	-0.86	-3.36
	127	3400.8	-2391.5	808.0	-0.29	1.84	12.48
44	126	262.6	10598.1	-967.3	0.34	-0.60	-1.74
	127	-262.6	-3385.4	967.3	-0.34	2.10	12.40
45	126	-4761.9	8020.6	-12.4	0.08	-0.64	-5.92
	127	4761.9	-808.0	12.4	-0.08	0.14	12.77
46	126	-2265.1	7657.3	510.2	-0.05	-0.18	-6.50
	127	2265.1	-444.7	-510.2	0.05	-1.05	12.94
47	126	4921.8	8393.1	934.0	-0.15	0.67	-5.28
	127	-4921.8	-1180.4	-934.0	0.15	-2.13	13.04
48	126	8585.1	9387.1	774.7	-0.10	0.94	-3.66
	127	-8585.1	-2174.4	-774.7	0.10	-1.86	12.95
49	126	7449.4	11333.9	-543.5	0.24	0.25	-0.53
	127	-7449.4	-4121.2	543.5	-0.24	1.03	12.50
50	126	9946.2	10970.6	-20.9	0.11	0.71	-1.10
	127	-9946.2	-3757.9	20.9	-0.11	-0.16	12.66
51	126	-3531.7	5344.8	-659.8	0.19	-0.72	-1.65
	127	3531.7	-822.4	659.8	-0.19	1.51	6.25
52	126	-568.1	6144.4	-789.3	0.23	-0.50	-0.35
	127	568.1	-1622.1	789.3	-0.23	1.73	6.19
53	126	-4600.2	4069.5	-11.9	0.02	-0.53	-3.71
	127	4600.2	452.8	11.9	-0.02	0.13	6.49
54	126	-2552.4	3776.1	414.0	-0.09	-0.15	-4.17
	127	2552.4	746.2	-414.0	0.09	-0.84	6.63
55	126	3294.3	4366.8	759.7	-0.17	0.54	-3.19
	127	-3294.3	155.5	-759.7	0.17	-1.72	6.71
56	126	6257.9	5166.5	630.1	-0.13	0.75	-1.89
	127	-6257.9	-644.1	-630.1	0.13	-1.50	6.64
57	126	5278.5	6735.1	-443.6	0.15	0.19	0.63
	127	-5278.5	-2212.8	443.6	-0.15	0.85	6.27
58	126	7326.3	6441.7	-17.7	0.05	0.57	0.17
	127	-7326.3	-1919.4	17.7	-0.05	-0.12	6.40
1	127	1846.7	-1534.9	-40.5	-0.06	-0.01	-8.67
	128	-1846.7	7536.9	40.5	0.06	0.07	1.58
2	127	3687.3	-4210.9	-82.4	-0.15	0.02	-18.07
	128	-3687.3	14248.4	82.4	0.15	0.11	3.65
3	127	27143.8	-5846.9	-1747.0	-0.08	1.14	-22.30
	128	-27143.8	17821.4	2211.9	0.08	1.96	3.80
4	127	25577.6	-4406.0	-1353.5	-0.05	-0.06	-17.80
	128	-25577.6	14443.4	1353.5	0.05	2.17	3.07
5	127	25302.5	-3578.2	-1119.6	-0.14	-1.03	-14.31
	128	-25302.5	12162.9	771.0	0.14	2.51	2.01
6	127	26876.7	-4697.2	-1414.6	-0.13	-0.10	-17.72
	128	-26876.7	14734.6	1414.6	0.13	2.31	2.54
7	127	-17715.7	-5166.2	868.1	-0.16	1.37	-22.97
	128	17715.7	17140.7	-403.2	0.16	-2.36	5.54
8	127	-19281.9	-3725.3	1261.6	-0.13	0.17	-18.47
	128	19281.9	13762.7	-1261.6	0.13	-2.15	4.81
9	127	-19557.0	-2897.5	1495.5	-0.22	-0.80	-14.98
	128	19557.0	11482.1	-1844.2	0.22	-1.81	3.75
10	127	-17982.8	-4016.4	1200.5	-0.21	0.13	-18.39
	128	17982.8	14053.9	-1200.5	0.21	-2.00	4.27

	127	26907.9	-5372.7	-1964.1	-0.02	1.95	-20.64
	128	-26907.9	16620.8	2738.9	0.02	1.73	3.45
12	127	-17951.6	-4692.0	651.0	-0.09	2.18	-21.31
	128	17951.6	15940.1	123.8	0.09	-2.59	5.19
13	127	24297.6	-2971.1	-1308.2	0.03	-0.04	-13.14
	128	-24297.6	10990.9	1308.2	-0.03	2.09	2.23
14	127	-20561.9	-2290.4	1306.9	-0.04	0.19	-13.81
	128	20561.9	10310.1	-1306.9	0.04	-2.23	3.96
15	127	23839.1	-1591.5	-918.5	-0.11	-1.66	-7.32
	128	-23839.1	7189.9	337.4	0.11	2.64	0.46
16	127	-21020.4	-910.7	1696.6	-0.19	-1.43	-7.99
	128	21020.4	6509.2	-2277.7	0.19	-1.67	2.20
17	127	26462.8	-3456.4	-1410.1	-0.10	-0.12	-13.01
	128	-26462.8	11476.2	1410.1	0.10	2.32	1.34
18	127	-18396.7	-2775.7	1205.0	-0.18	0.11	-13.68
	128	18396.7	10795.4	-1205.0	0.18	-2.00	3.08
19	127	41176.6	-4735.8	-2597.8	-0.01	1.05	-17.37
	128	-41176.6	14692.6	3062.7	0.01	3.38	2.19
20	127	-33589.2	-3601.3	1760.7	-0.14	1.43	-18.50
	128	33589.2	13558.0	-1295.9	0.14	-3.82	5.09
21	127	39610.4	-3294.9	-2204.2	0.02	-0.15	-12.87
	128	-39610.4	11314.6	2204.2	-0.02	3.59	1.45
22	127	-35155.4	-2160.3	2154.3	-0.11	0.24	-13.99
	128	35155.4	10180.1	-2154.3	0.11	-3.61	4.35
23	127	39335.3	-2467.1	-1970.4	-0.07	-1.12	-9.38
	128	-39335.3	9034.1	1621.7	0.07	3.93	0.39
24	127	-35430.5	-1332.6	2388.1	-0.20	-0.74	-10.50
	128	35430.5	7899.5	-2736.8	0.20	-3.27	3.29
25	127	40909.6	-3586.1	-2265.4	-0.06	-0.19	-12.79
	128	-40909.6	11605.8	2265.4	0.06	3.73	0.92
26	127	-33856.3	-2451.5	2093.2	-0.19	0.19	-13.92
	128	33856.3	10471.2	-2093.2	0.19	-3.46	3.82
27	127	-2471.9	-2806.6	1081.8	-0.31	-1.94	-12.47
	128	2471.9	10019.3	-1081.8	0.31	0.74	2.72
28	127	184.3	-1863.0	828.8	-0.28	-2.24	-12.38
	128	-184.3	9075.6	-828.8	0.28	1.00	4.14
29	127	-2958.6	-4300.3	668.2	-0.22	-0.11	-12.77
	128	2958.6	11513.0	-668.2	0.22	-0.11	0.46
30	127	3707.2	-3064.3	-360.7	-0.05	0.64	-12.81
	128	-3707.2	10277.0	360.7	0.05	-0.16	2.29
31	127	4991.3	-3929.0	-942.8	0.07	2.27	-13.06
	128	-4991.3	11141.6	942.8	-0.07	-0.84	0.97
32	127	7647.4	-2985.4	-1195.8	0.11	1.97	-12.97
	128	-7647.4	10198.0	1195.8	-0.11	-0.59	2.39
33	127	5895.2	-1154.9	-174.8	-0.10	-1.12	-12.49
	128	-5895.2	8367.6	174.8	0.10	0.74	5.17
34	127	8134.1	-1491.7	-782.2	0.01	0.14	-12.67
	128	-8134.1	8704.3	782.2	-0.01	0.26	4.65
35	127	1974.2	-2004.0	-43.0	-0.07	0.00	-9.58
	128	-1974.2	7871.5	43.0	0.07	0.06	1.87
36	127	2045.1	-1975.8	-267.1	-0.02	0.82	-9.49
	128	-2045.1	7789.4	577.1	0.02	-0.16	1.86
37	127	1001.0	-1015.1	-4.8	-0.00	0.02	-6.49
	128	-1001.0	5537.5	4.8	0.00	-0.02	1.37
38	127	817.6	-463.3	151.1	-0.06	-0.63	-4.16
	128	-817.6	4017.1	-383.6	0.06	0.21	0.66

	127	1867.1	-1209.3	-45.5	-0.06	-0.01	-6.44
	128	-1867.1	5731.6	45.5	0.06	0.08	1.01
40	127	16313.9	-1338.9	-900.8	-0.02	-0.08	-6.22
	128	-16313.9	5861.2	900.8	0.02	1.49	0.60
41	127	-13592.5	-885.1	842.6	-0.07	0.07	-6.67
	128	13592.5	5407.4	-842.6	0.07	-1.39	1.75
42	127	2587.8	-2896.0	-57.0	-0.10	0.01	-12.72
	128	-2587.8	10108.6	57.0	0.10	0.08	2.56
43	127	-2614.0	-2804.1	1054.7	-0.30	-1.87	-12.49
	128	2614.0	10016.7	-1054.7	0.30	0.69	2.72
44	127	142.2	-1815.3	811.3	-0.27	-2.16	-12.41
	128	-142.2	9028.0	-811.3	0.27	0.94	4.20
45	127	-3153.0	-4368.0	645.7	-0.21	-0.12	-12.77
	128	3153.0	11580.7	-645.7	0.21	-0.11	0.36
46	127	-858.8	-4719.8	51.7	-0.11	1.09	-12.93
	128	858.8	11932.4	-51.7	0.11	-0.55	-0.19
47	127	5033.3	-3976.7	-925.3	0.06	2.18	-13.03
	128	-5033.3	11189.3	925.3	-0.06	-0.79	0.91
48	127	7789.5	-2987.9	-1168.7	0.09	1.90	-12.95
	128	-7789.5	10200.5	1168.7	-0.09	-0.54	2.39
49	127	6034.3	-1072.2	-165.7	-0.10	-1.07	-12.51
	128	-6034.3	8284.8	165.7	0.10	0.70	5.30
50	127	8328.5	-1424.0	-759.7	0.01	0.15	-12.67
	128	-8328.5	8636.6	759.7	-0.01	0.26	4.75
51	127	-2890.0	-1038.2	877.8	-0.20	-1.54	-6.26
	128	2890.0	5560.5	-877.8	0.20	0.55	1.31
52	127	-656.2	-242.9	679.4	-0.18	-1.77	-6.20
	128	656.2	4765.2	-679.4	0.18	0.75	2.50
53	127	-3302.4	-2296.0	543.9	-0.13	-0.11	-6.49
	128	3302.4	6818.4	-543.9	0.13	-0.10	-0.59
54	127	-1422.1	-2578.9	59.3	-0.05	0.88	-6.62
	128	1422.1	7101.3	-59.3	0.05	-0.46	-1.03
55	127	3377.6	-1981.1	-737.6	0.09	1.77	-6.70
	128	-3377.6	6503.4	737.6	-0.09	-0.65	-0.15
56	127	5611.3	-1185.8	-936.0	0.11	1.53	-6.63
	128	-5611.3	5708.1	936.0	-0.11	-0.45	1.04
57	127	4143.5	355.0	-117.4	-0.04	-0.89	-6.28
	128	-4143.5	4167.4	117.4	0.04	0.56	3.38
58	127	6023.7	72.1	-602.1	0.04	0.11	-6.41
	128	-6023.7	4450.3	602.1	-0.04	0.20	2.94
1	128	1858.0	-10010.6	-23.1	-0.01	-0.16	-1.56
	129	-1858.0	16008.7	23.1	0.01	0.19	-18.76
2	128	3710.6	-21498.0	-53.8	0.13	-0.29	-3.57
	129	-3710.6	31529.0	53.8	-0.13	0.38	-37.84
3	128	27042.1	-28492.6	2052.2	0.60	-2.13	-3.68
	129	-27042.1	40459.4	-1587.6	-0.60	-0.72	-50.17
4	128	25493.1	-22851.4	3598.5	0.48	-2.43	-3.01
	129	-25493.1	32882.5	-3598.5	-0.48	-3.19	-40.52
5	128	25226.7	-18798.8	4702.7	0.02	-2.81	-1.99
	129	-25226.7	27378.0	-5051.1	-0.02	-4.80	-34.07
6	128	26786.5	-23072.3	3475.5	0.23	-2.54	-2.47
	129	-26786.5	33103.4	-3475.5	-0.23	-2.89	-41.40
7	128	-17596.7	-25575.8	-5185.5	0.31	2.32	-5.39
	129	17596.7	37542.7	5650.1	-0.31	6.14	-43.91
8	128	-19145.7	-19934.7	-3639.2	0.18	2.02	-4.72

	129	19145.7	29965.7	3639.2	-0.18	3.67	-34.26
9	128	-19412.1	-15882.1	-2535.0	-0.27	1.64	-3.70
	129	19412.1	24461.3	2186.5	0.27	2.05	-27.81
10	128	-17852.3	-20155.6	-3762.2	-0.07	1.91	-4.18
	129	17852.3	30186.6	3762.2	0.07	3.97	-35.14
11	128	26790.5	-26439.7	1059.0	0.75	-1.80	-3.32
	129	-26790.5	37680.6	-284.7	-0.75	0.75	-46.76
12	128	-17848.2	-23523.0	-6178.7	0.45	2.65	-5.03
	129	17848.2	34763.9	6953.0	-0.45	7.60	-40.50
13	128	24208.9	-17037.8	3636.1	0.54	-2.31	-2.20
	129	-24208.9	25052.4	-3636.1	-0.54	-3.37	-30.67
14	128	-20429.9	-14121.1	-3601.6	0.24	2.14	-3.91
	129	20429.9	22135.6	3601.6	-0.24	3.48	-24.41
15	128	23764.8	-10283.5	5476.5	-0.22	-2.94	-0.50
	129	-23764.8	15878.3	-6057.3	0.22	-6.06	-19.93
16	128	-20874.0	-7366.7	-1761.2	-0.52	1.51	-2.21
	129	20874.0	12961.6	1180.4	0.52	0.79	-13.67
17	128	26364.5	-17406.0	3431.1	0.12	-2.49	-1.30
	129	-26364.5	25420.6	-3431.1	-0.12	-2.87	-32.15
18	128	-18274.3	-14489.2	-3806.5	-0.18	1.96	-3.01
	129	18274.3	22503.8	3806.5	0.18	3.99	-25.89
19	128	40995.4	-23721.1	4480.1	0.63	-3.54	-2.11
	129	-40995.4	33671.5	-4015.5	-0.63	-3.09	-42.72
20	128	-33402.6	-18859.9	-7582.7	0.14	3.88	-4.95
	129	33402.6	28810.3	8047.3	-0.14	8.33	-32.28
21	128	39446.4	-18080.0	6026.4	0.51	-3.85	-1.44
	129	-39446.4	26094.6	-6026.4	-0.51	-5.56	-33.06
22	128	-34951.6	-13218.7	-6036.4	0.01	3.57	-4.28
	129	34951.6	21233.3	6036.4	-0.01	5.86	-22.63
23	128	39179.9	-14027.4	7130.6	0.05	-4.23	-0.42
	129	-39179.9	20590.1	-7479.1	-0.05	-7.18	-26.62
24	128	-35218.0	-9166.1	-4932.2	-0.44	3.19	-3.26
	129	35218.0	15728.9	4583.7	0.44	4.24	-16.18
25	128	40739.8	-18300.9	5903.4	0.26	-3.96	-0.90
	129	-40739.8	26315.5	-5903.4	-0.26	-5.26	-33.95
26	128	-33658.2	-13439.6	-6159.4	-0.24	3.46	-3.74
	129	33658.2	21454.2	6159.4	0.24	6.16	-23.51
27	128	-1743.4	-14961.8	2475.3	-0.42	-1.00	-2.66
	129	1743.4	22169.8	-2475.3	0.42	-2.95	-26.42
28	128	73.0	-14191.4	3006.0	-0.49	-1.23	-4.07
	129	-73.0	21399.4	-3006.0	0.49	-3.70	-23.80
29	128	-1455.1	-16210.3	-90.2	0.04	-0.10	-0.40
	129	1455.1	23418.3	90.2	-0.04	0.43	-30.57
30	128	3636.0	-15226.3	-873.7	0.25	0.07	-2.25
	129	-3636.0	22434.3	873.7	-0.25	1.34	-27.15
31	128	5135.4	-15961.3	-3085.2	0.66	0.82	-0.94
	129	-5135.4	23169.3	3085.2	-0.66	4.23	-29.55
32	128	6951.8	-15190.9	-2554.4	0.59	0.60	-2.35
	129	-6951.8	22398.9	2554.4	-0.59	3.48	-26.93
33	128	4599.8	-13642.5	1679.1	-0.19	-0.85	-5.12
	129	-4599.8	20850.5	-1679.1	0.19	-2.05	-21.84
34	128	6663.5	-13942.4	11.0	0.13	-0.30	-4.60
	129	-6663.5	21150.4	-11.0	-0.13	0.10	-22.78
35	128	1986.7	-11247.2	-29.4	0.04	-0.16	-1.83
	129	-1986.7	17110.9	29.4	-0.04	0.20	-20.31
36	128	2043.9	-11108.9	-1027.7	0.21	0.15	-1.81

	129	-2043.9	16918.9	1337.4	-0.21	1.70	-20.08
37	128	1011.2	-7348.1	3.2	0.13	-0.06	-1.36
	129	-1011.2	11867.6	-3.2	-0.13	0.05	-13.65
38	128	833.6	-4646.4	739.3	-0.18	-0.31	-0.68
	129	-833.6	8197.9	-971.6	0.18	-1.03	-9.35
39	128	1873.4	-7495.4	-78.8	-0.04	-0.13	-1.00
	129	-1873.4	12014.8	78.8	0.04	0.25	-14.24
40	128	16248.7	-8390.3	2393.5	0.09	-1.60	-0.60
	129	-16248.7	12909.8	-2393.5	-0.09	-2.14	-16.04
41	128	-13510.5	-6445.8	-2431.7	-0.10	1.37	-1.73
	129	13510.5	10965.3	2431.7	0.10	2.43	-11.86
42	128	2604.2	-15076.3	-39.6	0.09	-0.20	-2.50
	129	-2604.2	22284.4	39.6	-0.09	0.26	-26.68
43	128	-1864.2	-14969.0	2414.9	-0.39	-0.95	-2.66
	129	1864.2	22177.0	-2414.9	0.39	-2.91	-26.41
44	128	9.9	-14162.8	2932.4	-0.46	-1.17	-4.14
	129	-9.9	21370.8	-2932.4	0.46	-3.63	-23.67
45	128	-1578.7	-16267.0	-88.3	0.04	-0.09	-0.30
	129	1578.7	23475.0	88.3	-0.04	0.40	-30.75
46	128	540.1	-16573.2	-1716.2	0.35	0.42	0.24
	129	-540.1	23781.3	1716.2	-0.35	2.52	-31.73
47	128	5198.5	-15989.9	-3011.6	0.63	0.77	-0.87
	129	-5198.5	23197.9	3011.6	-0.63	4.16	-29.68
48	128	7072.6	-15183.7	-2494.0	0.57	0.55	-2.35
	129	-7072.6	22391.7	2494.0	-0.57	3.44	-26.94
49	128	4668.3	-13579.4	1637.0	-0.17	-0.83	-5.24
	129	-4668.3	20787.5	-1637.0	0.17	-1.99	-21.62
50	128	6787.1	-13885.7	9.1	0.13	-0.31	-4.71
	129	-6787.1	21093.7	-9.1	-0.13	0.13	-22.60
51	128	-2282.2	-7331.5	1981.2	-0.40	-0.72	-1.29
	129	2282.2	11851.0	-1981.2	0.40	-2.44	-13.74
52	128	-758.1	-6682.9	2398.4	-0.45	-0.90	-2.48
	129	758.1	11202.3	-2398.4	0.45	-3.02	-11.54
53	128	-2037.8	-8375.9	-51.7	-0.04	-0.03	0.61
	129	2037.8	12895.4	51.7	0.04	0.24	-17.23
54	128	-304.2	-8622.5	-1377.1	0.21	0.39	1.04
	129	304.2	13141.9	1377.1	-0.21	1.97	-18.02
55	128	3496.4	-8153.3	-2436.6	0.44	0.68	0.15
	129	-3496.4	12672.7	2436.6	-0.44	3.31	-16.37
56	128	5020.5	-7504.6	-2019.4	0.39	0.50	-1.04
	129	-5020.5	12024.1	2019.4	-0.39	2.73	-14.16
57	128	3042.5	-6213.7	1338.9	-0.22	-0.62	-3.37
	129	-3042.5	10733.1	-1338.9	0.22	-1.68	-9.88
58	128	4776.1	-6460.2	13.5	0.03	-0.20	-2.94
	129	-4776.1	10979.7	-13.5	-0.03	0.04	-10.67
1	129	2048.4	17557.6	171.8	-0.07	-0.35	20.33
	130	-2048.4	-11559.4	-171.8	0.07	0.08	2.41
2	129	4193.5	34732.1	263.9	-0.32	-0.52	41.15
	130	-4193.5	-24701.0	-263.9	0.32	0.10	5.26
3	129	21004.0	41887.4	-2231.5	-0.77	2.45	47.01
	130	-21004.0	-29920.5	2696.1	0.77	1.40	9.07
4	129	19827.5	33796.3	-4037.5	-0.58	4.47	37.52
	130	-19827.5	-23765.3	4037.5	0.58	1.83	7.43
5	129	18804.5	27278.6	-5448.7	-0.05	5.85	29.19
	130	-18804.5	-18699.4	5100.3	0.05	2.39	6.72

	129	19930.4	33346.0	-4163.1	-0.31	4.53	36.26
	130	-19930.4	-23315.0	4163.1	0.31	1.97	7.99
7	129	-10136.7	44262.9	6452.8	-0.67	-7.41	55.65
	130	10136.7	-32296.1	-5988.2	0.67	-2.31	4.14
8	129	-11313.2	36171.8	4646.8	-0.48	-5.38	46.16
	130	11313.2	-26140.8	-4646.8	0.48	-1.88	2.50
9	129	-12336.2	29654.1	3235.6	0.05	-4.00	37.83
	130	12336.2	-21074.9	-3584.0	-0.05	-1.32	1.79
10	129	-11210.3	35721.5	4521.2	-0.21	-5.33	44.90
	130	11210.3	-25690.5	-4521.2	0.21	-1.74	3.06
11	129	20758.2	38862.1	-1046.4	-0.91	1.22	43.38
	130	-20758.2	-27621.2	1820.7	0.91	1.02	8.54
12	129	-10382.5	41237.7	7637.9	-0.81	-8.63	52.02
	130	10382.5	-29996.8	-6863.6	0.81	-2.69	3.61
13	129	18797.4	25377.0	-4056.3	-0.60	4.60	27.57
	130	-18797.4	-17362.4	4056.3	0.60	1.74	5.81
14	129	-12343.3	27752.6	4628.0	-0.50	-5.26	36.21
	130	12343.3	-19738.0	-4628.0	0.50	-1.97	0.88
15	129	17092.4	14514.2	-6408.4	0.28	6.89	13.68
	130	-17092.4	-8919.3	5827.7	-0.28	2.66	4.62
16	129	-14048.3	16889.7	2275.9	0.38	-2.96	22.32
	130	14048.3	-11294.9	-2856.6	-0.38	-1.05	-0.31
17	129	18968.9	24626.5	-4265.7	-0.14	4.69	25.47
	130	-18968.9	-16611.9	4265.7	0.14	1.97	6.74
18	129	-12171.7	27002.1	4418.6	-0.04	-5.16	34.11
	130	12171.7	-18987.5	-4418.6	0.04	-1.74	1.81
19	129	30311.7	32508.3	-5172.3	-0.68	5.82	33.72
	130	-30311.7	-22557.9	5636.9	0.68	2.63	9.29
20	129	-21589.5	36467.5	9301.5	-0.51	-10.61	48.12
	130	21589.5	-26517.1	-8836.9	0.51	-3.56	1.07
21	129	29135.2	24417.2	-6978.3	-0.49	7.84	24.23
	130	-29135.2	-16402.6	6978.3	0.49	3.06	7.65
22	129	-22766.0	28376.4	7495.6	-0.33	-8.58	38.63
	130	22766.0	-20361.8	-7495.6	0.33	-3.12	-0.57
23	129	28112.2	17899.5	-8389.6	0.04	9.22	15.90
	130	-28112.2	-11336.7	8041.1	-0.04	3.61	6.93
24	129	-23789.0	21858.7	6084.3	0.20	-7.21	30.30
	130	23789.0	-15296.0	-6432.7	-0.20	-2.57	-1.28
25	129	29238.1	23966.9	-7103.9	-0.22	7.90	22.97
	130	-29238.1	-15952.3	7103.9	0.22	3.20	8.21
26	129	-22663.0	27926.1	7369.9	-0.05	-8.53	37.37
	130	22663.0	-19911.5	-7369.9	0.05	-2.98	-0.01
27	129	-409.2	23102.5	-2313.1	0.39	2.50	25.12
	130	409.2	-15894.4	2313.1	-0.39	1.19	3.54
28	129	1826.9	24291.3	-1759.4	0.32	1.81	28.53
	130	-1826.9	-17083.3	1759.4	-0.32	1.00	1.98
29	129	-1453.9	22306.8	-1404.4	0.08	1.56	22.65
	130	1453.9	-15098.8	1404.4	-0.08	0.69	6.02
30	129	3613.6	24795.1	850.9	-0.40	-1.11	29.66
	130	-3613.6	-17587.1	-850.9	0.40	-0.24	3.98
31	129	4059.7	24792.0	2128.7	-0.77	-2.52	29.47
	130	-4059.7	-17584.0	-2128.7	0.77	-0.87	5.42
32	129	6295.8	25980.9	2682.3	-0.84	-3.21	32.89
	130	-6295.8	-18772.8	-2682.3	0.84	-1.06	3.86
33	129	5999.8	26269.7	441.1	-0.18	-0.77	34.05
	130	-5999.8	-19061.6	-441.1	0.18	0.06	0.82

	129	7340.5	26776.5	1773.7	-0.53	-2.27	35.35
	130	-7340.5	-19568.5	-1773.7	0.53	-0.55	1.38
35	129	2228.3	18816.8	153.9	-0.14	-0.30	22.06
	130	-2228.3	-12953.1	-153.9	0.14	0.06	2.75
36	129	2340.0	18654.0	1354.4	-0.33	-1.55	21.91
	130	-2340.0	-12844.1	-1044.7	0.33	-0.32	2.69
37	129	1555.7	13260.0	150.4	-0.20	-0.20	15.58
	130	-1555.7	-8740.5	-150.4	0.20	-0.03	1.60
38	129	873.7	8914.8	-790.4	0.15	0.72	10.03
	130	-873.7	-5363.3	558.1	-0.15	0.34	1.12
39	129	1624.3	12959.8	66.6	-0.02	-0.17	14.74
	130	-1624.3	-8440.3	-66.6	0.02	0.06	1.97
40	129	11893.5	12300.1	-2771.6	-0.09	3.04	12.24
	130	-11893.5	-7780.7	2771.6	0.09	1.29	3.44
41	129	-8867.0	13883.8	3018.0	-0.03	-3.53	18.00
	130	8867.0	-9364.4	-3018.0	0.03	-1.18	0.15
42	129	2943.3	24541.7	184.6	-0.23	-0.36	29.00
	130	-2943.3	-17333.6	-184.6	0.23	0.07	3.70
43	129	-501.2	23059.8	-2171.7	0.37	2.32	24.96
	130	501.2	-15851.8	2171.7	-0.37	1.13	3.54
44	129	1828.4	24305.9	-1623.3	0.29	1.63	28.54
	130	-1828.4	-17097.8	1623.3	-0.29	0.94	1.91
45	129	-1623.3	22207.3	-1354.1	0.07	1.49	22.36
	130	1623.3	-14999.2	1354.1	-0.07	0.67	6.14
46	129	-255.5	22722.5	-104.8	-0.26	0.09	23.71
	130	255.5	-15514.5	104.8	0.26	0.09	6.72
47	129	4058.2	24777.5	1992.5	-0.74	-2.34	29.47
	130	-4058.2	-17569.4	-1992.5	0.74	-0.81	5.50
48	129	6387.8	26023.5	2540.9	-0.82	-3.03	33.05
	130	-6387.8	-18815.5	-2540.9	0.82	-1.00	3.86
49	129	6142.1	26360.8	474.0	-0.19	-0.80	34.30
	130	-6142.1	-19152.7	-474.0	0.19	0.05	0.68
50	129	7509.9	26876.1	1723.3	-0.52	-2.20	35.65
	130	-7509.9	-19668.0	-1723.3	0.52	-0.53	1.27
51	129	-1297.4	11893.8	-1795.3	0.43	1.93	11.86
	130	1297.4	-7374.4	1795.3	-0.43	0.92	1.67
52	129	584.7	12896.4	-1353.0	0.36	1.38	14.74
	130	-584.7	-8377.0	1353.0	-0.36	0.77	0.35
53	129	-2184.4	11211.9	-1123.1	0.18	1.25	9.77
	130	2184.4	-6692.5	1123.1	-0.18	0.54	3.76
54	129	-1062.6	11630.0	-104.7	-0.09	0.11	10.87
	130	1062.6	-7110.6	104.7	0.09	0.07	4.23
55	129	2441.8	13287.5	1599.5	-0.48	-1.87	15.51
	130	-2441.8	-8768.1	-1599.5	0.48	-0.66	3.24
56	129	4323.9	14290.1	2041.7	-0.55	-2.42	18.39
	130	-4323.9	-9770.7	-2041.7	0.55	-0.81	1.93
57	129	4089.1	14553.9	351.1	-0.03	-0.60	19.38
	130	-4089.1	-10034.5	-351.1	0.03	0.04	-0.63
58	129	5210.9	14972.0	1369.6	-0.30	-1.74	20.47
	130	-5210.9	-10452.6	-1369.6	0.30	-0.43	-0.16
1	130	2027.5	9141.9	153.1	0.05	-0.00	-2.41
	131	-2027.5	-3139.9	-153.1	-0.05	-0.24	12.01
2	130	4148.7	17558.0	250.1	0.10	0.10	-5.31
	131	-4148.7	-7520.5	-250.1	-0.10	-0.49	24.91
3	130	20848.2	19266.4	1919.4	0.07	-0.98	-9.11

	131	-20848.2	-7292.0	-1454.6	-0.07	-1.66	29.87
4	130	19658.4	15408.2	1049.0	0.07	-1.38	-7.43
	131	-19658.4	-5370.7	-1049.0	-0.07	-0.26	23.67
5	130	18633.4	12067.0	566.8	0.22	-1.95	-6.69
	131	-18633.4	-3482.3	-915.4	-0.22	0.79	18.84
6	130	19763.7	14943.1	1137.5	0.17	-1.53	-7.99
	131	-19763.7	-4905.6	-1137.5	-0.17	-0.25	23.50
7	130	-10051.8	24074.0	135.7	-0.03	2.27	-4.27
	131	10051.8	-12099.5	329.2	0.03	-2.12	32.54
8	130	-11241.5	20215.7	-734.8	-0.03	1.86	-2.59
	131	11241.5	-10178.2	734.8	0.03	-0.71	26.34
9	130	-12266.6	16874.5	-1217.0	0.12	1.30	-1.85
	131	12266.6	-8289.8	868.4	-0.12	0.33	21.52
10	130	-11136.3	19750.6	-646.3	0.07	1.72	-3.15
	131	11136.3	-9713.1	646.3	-0.07	-0.71	26.17
11	130	20620.6	17799.9	2389.2	-0.01	-0.66	-8.58
	131	-20620.6	-6551.8	-1614.4	0.01	-2.47	27.61
12	130	-10279.4	22607.4	605.5	-0.11	2.58	-3.75
	131	10279.4	-11359.3	169.4	0.11	-2.92	30.29
13	130	18637.7	11369.5	938.5	-0.00	-1.34	-5.78
	131	-18637.7	-3349.7	-938.5	0.00	-0.13	17.28
14	130	-12262.3	16177.0	-845.3	-0.11	1.91	-0.94
	131	12262.3	-8157.3	845.3	0.11	-0.58	19.96
15	130	16929.3	5800.8	134.8	0.24	-2.28	-4.55
	131	-16929.3	-202.3	-715.9	-0.24	1.61	9.24
16	130	-13970.7	10608.3	-1649.0	0.14	0.97	0.29
	131	13970.7	-5009.9	1067.9	-0.14	1.16	11.92
17	130	18813.0	10594.3	1086.0	0.16	-1.58	-6.71
	131	-18813.0	-2574.5	-1086.0	-0.16	-0.12	17.00
18	130	-12086.9	15401.8	-697.8	0.06	1.67	-1.87
	131	12086.9	-7382.0	697.8	-0.06	-0.57	19.68
19	130	30087.6	13455.9	2465.5	0.08	-2.11	-9.27
	131	-30087.6	-3499.1	-2000.6	-0.08	-1.38	22.53
20	130	-21412.4	21468.4	-507.5	-0.09	3.30	-1.21
	131	21412.4	-11511.7	972.3	0.09	-2.14	26.98
21	130	28897.9	9597.6	1595.1	0.08	-2.51	-7.59
	131	-28897.9	-1577.9	-1595.1	-0.08	0.02	16.33
22	130	-22602.1	17610.2	-1377.9	-0.09	2.89	0.47
	131	22602.1	-9590.4	1377.9	0.09	-0.74	20.79
23	130	27872.8	6256.4	1112.9	0.23	-3.08	-6.85
	131	-27872.8	310.5	-1461.5	-0.23	1.07	11.50
24	130	-23627.2	14269.0	-1860.1	0.06	2.33	1.21
	131	23627.2	-7702.0	1511.5	-0.06	0.31	15.96
25	130	29003.1	9132.5	1683.6	0.18	-2.66	-8.15
	131	-29003.1	-1112.8	-1683.6	-0.18	0.03	16.16
26	130	-22496.9	17145.0	-1289.4	0.01	2.75	-0.09
	131	22496.9	-9125.3	1289.4	-0.01	-0.73	20.62
27	130	333.7	10935.5	-475.2	0.29	-0.98	-3.57
	131	-333.7	-3722.8	475.2	-0.29	1.75	16.76
28	130	1698.6	12272.0	-629.1	0.26	-0.82	-2.01
	131	-1698.6	-5059.4	629.1	-0.26	1.49	17.30
29	130	68.2	9961.8	210.4	0.17	-0.50	-6.05
	131	-68.2	-2749.2	-210.4	-0.17	0.68	16.50
30	130	3480.1	12691.4	387.6	-0.00	0.37	-4.01
	131	-3480.1	-5478.8	-387.6	0.00	-0.93	17.69
31	130	4124.4	12608.9	970.5	-0.14	0.97	-5.45

	131	-4124.4	-5396.2	-970.5	0.14	-2.18	17.78
32	130	5489.2	13945.4	816.7	-0.17	1.14	-3.89
	131	-5489.2	-6732.8	-816.7	0.17	-2.44	18.31
33	130	4617.6	14417.0	-302.6	0.08	0.06	-0.85
	131	-4617.6	-7204.4	302.6	-0.08	-0.19	18.27
34	130	5754.8	14919.0	131.1	-0.05	0.65	-1.41
	131	-5754.8	-7706.4	-131.1	0.05	-1.37	18.58
35	130	2204.4	9635.1	138.4	0.05	0.04	-2.76
	131	-2204.4	-3767.6	-138.4	-0.05	-0.26	13.24
36	130	2330.4	9571.2	624.4	-0.02	0.38	-2.72
	131	-2330.4	-3757.5	-314.5	0.02	-1.11	13.14
37	130	1537.2	6999.0	44.1	-0.02	0.10	-1.60
	131	-1537.2	-2476.7	-44.1	0.02	-0.17	9.00
38	130	853.8	4771.6	-277.4	0.08	-0.27	-1.11
	131	-853.8	-1217.7	45.0	-0.08	0.52	5.79
39	130	1607.3	6688.9	103.1	0.05	0.01	-1.97
	131	-1607.3	-2166.6	-103.1	-0.05	-0.17	8.89
40	130	11797.4	5227.2	700.7	0.07	-1.07	-3.41
	131	-11797.4	-704.9	-700.7	-0.07	-0.02	8.05
41	130	-8802.6	8432.2	-488.5	-0.00	1.09	-0.19
	131	8802.6	-3909.9	488.5	0.00	-0.33	9.83
42	130	2911.5	12440.4	170.7	0.06	0.08	-3.73
	131	-2911.5	-5227.8	-170.7	-0.06	-0.34	17.54
43	130	270.9	10871.7	-416.6	0.28	-0.93	-3.57
	131	-270.9	-3659.0	416.6	-0.28	1.62	16.77
44	130	1687.0	12272.8	-561.3	0.26	-0.76	-1.93
	131	-1687.0	-5060.1	561.3	-0.26	1.38	17.33
45	130	-28.5	9844.8	214.0	0.17	-0.48	-6.16
	131	28.5	-2632.2	-214.0	-0.17	0.61	16.46
46	130	1131.0	10365.7	609.8	0.04	0.07	-6.75
	131	-1131.0	-3153.1	-609.8	-0.04	-0.50	16.75
47	130	4136.0	12608.1	902.8	-0.13	0.91	-5.53
	131	-4136.0	-5395.5	-902.8	0.13	-2.07	17.74
48	130	5552.1	14009.2	758.1	-0.16	1.08	-3.89
	131	-5552.1	-6796.6	-758.1	0.16	-2.31	18.30
49	130	4692.0	14515.1	-268.3	0.08	0.08	-0.71
	131	-4692.0	-7302.5	268.3	-0.08	-0.19	18.32
50	130	5851.5	15036.1	127.5	-0.04	0.63	-1.30
	131	-5851.5	-7823.4	-127.5	0.04	-1.30	18.61
51	130	-660.1	5565.2	-372.2	0.21	-0.81	-1.67
	131	660.1	-1042.9	372.2	-0.21	1.43	8.32
52	130	487.1	6692.2	-489.7	0.19	-0.67	-0.35
	131	-487.1	-2169.9	489.7	-0.19	1.23	8.77
53	130	-889.8	4741.1	140.7	0.12	-0.44	-3.75
	131	889.8	-218.8	-140.7	-0.12	0.60	8.07
54	130	60.5	5161.7	463.0	0.02	0.01	-4.23
	131	-60.5	-639.4	-463.0	-0.02	-0.30	8.31
55	130	2507.6	6967.2	701.8	-0.12	0.69	-3.24
	131	-2507.6	-2444.9	-701.8	0.12	-1.58	9.11
56	130	3654.8	8094.2	584.4	-0.15	0.83	-1.93
	131	-3654.8	-3571.9	-584.4	0.15	-1.78	9.56
57	130	2934.2	8497.7	-250.8	0.05	0.01	0.63
	131	-2934.2	-3975.4	250.8	-0.05	-0.05	9.57
58	130	3884.5	8918.3	71.4	-0.05	0.46	0.16
	131	-3884.5	-4396.0	-71.4	0.05	-0.95	9.80

	131	2021.1	651.4	139.5	0.04	0.23	-12.01
	132	-2021.1	5350.6	-139.5	-0.04	-0.45	8.33
2	131	4132.2	105.8	207.9	-0.00	0.51	-24.89
	132	-4132.2	9931.7	-207.9	0.00	-0.83	17.22
3	131	20620.2	-1952.9	-1542.4	0.01	1.85	-29.82
	132	-20620.2	13927.4	2007.3	-0.01	0.92	17.40
4	131	19430.3	-1519.8	-1289.8	0.04	0.41	-23.63
	132	-19430.3	11557.3	1289.8	-0.04	1.61	13.41
5	131	18417.0	-1580.8	-963.3	0.04	-0.72	-18.82
	132	-18417.0	10165.5	614.6	-0.04	1.95	9.64
6	131	19540.4	-1942.8	-1221.6	0.02	0.39	-23.46
	132	-19540.4	11980.2	1221.6	-0.02	1.52	12.58
7	131	-9868.4	1738.6	1307.2	-0.05	2.09	-32.53
	132	9868.4	10235.9	-842.3	0.05	-3.77	25.89
8	131	-11058.3	2171.7	1559.8	-0.02	0.65	-26.34
	132	11058.3	7865.8	-1559.8	0.02	-3.08	21.89
9	131	-12071.6	2110.7	1886.3	-0.02	-0.48	-21.54
	132	12071.6	6474.0	-2234.9	0.02	-2.74	18.13
10	131	-10948.2	1748.8	1627.9	-0.04	0.62	-26.18
	132	10948.2	8288.7	-1627.9	0.04	-3.17	21.07
11	131	20393.7	-1822.1	-1793.5	0.02	2.69	-27.56
	132	-20393.7	13070.2	2568.3	-0.02	0.71	15.92
12	131	-10094.9	1869.4	1056.0	-0.04	2.93	-30.27
	132	10094.9	9378.7	-281.2	0.04	-3.98	24.40
13	131	18410.6	-1100.3	-1372.5	0.07	0.29	-17.25
	132	-18410.6	9120.0	1372.5	-0.07	1.86	9.26
14	131	-12077.9	2591.2	1477.0	0.01	0.52	-19.96
	132	12077.9	5428.5	-1477.0	-0.01	-2.83	17.74
15	131	16721.8	-1201.9	-828.4	0.07	-1.59	-9.24
	132	-16721.8	6800.4	247.3	-0.07	2.43	2.98
16	131	-13766.8	2489.6	2021.1	0.01	-1.35	-11.95
	132	13766.8	3108.9	-2602.3	-0.01	-2.26	11.47
17	131	18594.0	-1805.2	-1258.9	0.03	0.25	-16.97
	132	-18594.0	9824.9	1258.9	-0.03	1.72	7.88
18	131	-11894.5	1886.4	1590.6	-0.03	0.49	-19.69
	132	11894.5	6133.4	-1590.6	0.03	-2.97	16.37
19	131	29727.5	-2910.6	-2526.4	0.05	1.64	-22.47
	132	-29727.5	12867.4	2991.3	-0.05	2.67	10.14
20	131	-21086.8	3241.9	2222.8	-0.05	2.03	-26.99
	132	21086.8	6714.9	-1757.9	0.05	-5.14	24.28
21	131	28537.6	-2477.5	-2273.8	0.08	0.19	-16.28
	132	-28537.6	10497.3	2273.8	-0.08	3.36	6.14
22	131	-22276.7	3675.0	2475.4	-0.02	0.59	-20.80
	132	22276.7	4344.7	-2475.4	0.02	-4.46	20.28
23	131	27524.3	-2538.5	-1947.3	0.08	-0.93	-11.48
	132	-27524.3	9105.5	1598.7	-0.08	3.70	2.38
24	131	-23290.0	3614.0	2801.9	-0.02	-0.54	-16.00
	132	23290.0	2953.0	-3150.6	0.02	-4.11	16.52
25	131	28647.7	-2900.5	-2205.6	0.06	0.17	-16.12
	132	-28647.7	10920.2	2205.6	-0.06	3.28	5.31
26	131	-22166.6	3252.0	2543.6	-0.04	0.57	-20.64
	132	22166.6	4767.7	-2543.6	0.04	-4.54	19.45
27	131	969.2	277.7	1269.0	-0.09	-1.84	-16.77
	132	-969.2	6934.9	-1269.0	0.09	-0.04	9.26
28	131	1535.3	1571.9	1122.4	-0.07	-1.59	-17.30
	132	-1535.3	5640.8	-1122.4	0.07	0.17	11.81

	131	1461.8	-1775.9	703.4	-0.06	-0.68	-16.49
	132	-1461.8	8988.5	-703.4	0.06	-0.73	7.39
30	131	3393.7	-85.1	-172.3	0.02	0.98	-17.68
	132	-3393.7	7297.7	172.3	-0.02	-0.77	12.60
31	131	4263.8	-1275.9	-835.6	0.07	2.31	-17.75
	132	-4263.8	8488.6	835.6	-0.07	-1.33	12.43
32	131	4829.9	18.2	-982.2	0.09	2.55	-18.29
	132	-4829.9	7194.5	982.2	-0.09	-1.12	14.99
33	131	3348.9	2537.9	214.8	0.01	0.15	-18.27
	132	-3348.9	4674.7	-214.8	-0.01	-0.04	15.90
34	131	4337.2	2071.8	-416.6	0.06	1.39	-18.57
	132	-4337.2	5140.8	416.6	-0.06	-0.43	16.86
35	131	2195.8	329.8	120.6	0.01	0.27	-13.23
	132	-2195.8	5537.7	-120.6	-0.01	-0.45	9.16
36	131	2321.2	369.7	-119.2	0.02	1.15	-13.12
	132	-2321.2	5444.0	429.1	-0.02	-0.72	9.16
37	131	1528.0	658.4	49.2	0.03	0.19	-9.00
	132	-1528.0	3863.9	-49.2	-0.03	-0.27	6.49
38	131	852.5	617.8	266.9	0.04	-0.56	-5.79
	132	-852.5	2936.0	-499.3	-0.04	-0.04	3.98
39	131	1601.4	376.5	94.7	0.02	0.17	-8.89
	132	-1601.4	4145.8	-94.7	-0.02	-0.32	5.94
40	131	11655.0	-718.8	-852.0	0.05	0.10	-8.03
	132	-11655.0	5241.1	852.0	-0.05	1.24	3.37
41	131	-8670.7	1742.2	1047.7	0.01	0.25	-9.84
	132	8670.7	2780.1	-1047.7	-0.01	-1.89	9.03
42	131	2899.5	148.0	143.4	-0.00	0.36	-17.53
	132	-2899.5	7064.7	-143.4	0.00	-0.58	12.12
43	131	928.4	281.0	1218.3	-0.08	-1.71	-16.78
	132	-928.4	6931.7	-1218.3	0.08	-0.11	9.13
44	131	1501.8	1637.5	1074.4	-0.06	-1.49	-17.34
	132	-1501.8	5575.2	-1074.4	0.06	0.09	11.81
45	131	1438.5	-1869.5	684.0	-0.05	-0.61	-16.46
	132	-1438.5	9082.1	-684.0	0.05	-0.74	7.17
46	131	2449.2	-2356.3	82.2	-0.01	0.56	-16.74
	132	-2449.2	9568.9	-82.2	0.01	-1.08	8.16
47	131	4297.3	-1341.6	-787.6	0.06	2.20	-17.72
	132	-4297.3	8554.2	787.6	-0.06	-1.25	12.43
48	131	4870.7	15.0	-931.5	0.08	2.43	-18.28
	132	-4870.7	7197.7	931.5	-0.08	-1.05	15.11
49	131	3349.9	2652.2	204.6	0.01	0.15	-18.32
	132	-3349.9	4560.5	-204.6	-0.01	-0.08	16.09
50	131	4360.6	2165.4	-397.2	0.05	1.32	-18.60
	132	-4360.6	5047.2	397.2	-0.05	-0.42	17.08
51	131	-116.9	619.6	974.2	-0.04	-1.51	-8.33
	132	116.9	3902.8	-974.2	0.04	0.05	3.79
52	131	352.0	1710.6	857.3	-0.02	-1.33	-8.78
	132	-352.0	2811.7	-857.3	0.02	0.22	5.95
53	131	298.3	-1110.7	537.9	-0.02	-0.61	-8.07
	132	-298.3	5633.1	-537.9	0.02	-0.46	2.21
54	131	1123.0	-1502.8	47.1	0.02	0.34	-8.30
	132	-1123.0	6025.1	-47.1	-0.02	-0.74	3.01
55	131	2632.2	-687.2	-661.7	0.08	1.68	-9.09
	132	-2632.2	5209.6	661.7	-0.08	-0.87	6.46
56	131	3101.1	403.8	-778.5	0.09	1.86	-9.54
	132	-3101.1	4118.5	778.5	-0.09	-0.71	8.61

	131	1861.3	2526.1	148.5	0.03	0.01	-9.57
	132	-1861.3	1996.2	-148.5	-0.03	0.08	9.39
58	131	2686.0	2134.1	-342.2	0.07	0.96	-9.80
	132	-2686.0	2388.2	342.2	-0.07	-0.20	10.19
1	132	2028.5	-7749.2	160.6	0.19	0.35	-8.33
	133	-2028.5	13747.3	-160.6	-0.19	-0.60	-8.45
2	132	4144.6	-17020.3	232.4	0.49	0.64	-17.17
	133	-4144.6	27051.3	-232.4	-0.49	-1.01	-17.25
3	132	20318.3	-24115.6	884.5	0.71	-0.98	-17.29
	133	-20318.3	36082.4	-419.9	-0.71	-0.04	-29.72
4	132	19140.1	-19584.5	2531.1	0.55	-1.78	-13.36
	133	-19140.1	29615.6	-2531.1	-0.55	-2.17	-25.07
5	132	18147.0	-16496.6	3795.0	0.24	-2.25	-9.65
	133	-18147.0	25075.8	-4143.4	-0.24	-3.95	-22.82
6	132	19255.2	-19929.6	2425.7	0.40	-1.71	-12.53
	133	-19255.2	29960.6	-2425.7	-0.40	-2.08	-26.43
7	132	-9576.0	-18633.6	-3719.8	0.80	3.73	-25.77
	133	9576.0	30600.5	4184.4	-0.80	2.44	-12.68
8	132	-10754.3	-14102.5	-2073.2	0.64	2.92	-21.84
	133	10754.3	24133.6	2073.2	-0.64	0.31	-8.02
9	132	-11747.3	-11014.6	-809.3	0.32	2.46	-18.13
	133	11747.3	19593.8	460.9	-0.32	-1.46	-5.77
10	132	-10639.2	-14447.6	-2178.6	0.49	3.00	-21.02
	133	10639.2	24478.6	2178.6	-0.49	0.40	-9.38
11	132	20078.0	-22383.0	-251.4	0.74	-0.64	-15.78
	133	-20078.0	33623.9	1025.7	-0.74	1.64	-27.96
12	132	-9816.4	-16901.0	-4855.7	0.83	4.07	-24.27
	133	9816.4	28141.9	5630.0	-0.83	4.12	-10.91
13	132	18114.3	-14831.2	2492.9	0.48	-1.98	-9.23
	133	-18114.3	22845.8	-2492.9	-0.48	-1.91	-20.19
14	132	-11780.1	-9349.2	-2111.4	0.56	2.73	-17.71
	133	11780.1	17363.8	2111.4	-0.56	0.57	-3.15
15	132	16459.2	-9684.7	4599.4	-0.04	-2.76	-3.05
	133	-16459.2	15279.5	-5180.1	0.04	-4.88	-16.45
16	132	-13435.2	-4202.7	-4.9	0.04	1.95	-11.53
	133	13435.2	9797.6	-575.8	-0.04	-2.40	0.60
17	132	18306.1	-15406.3	2317.2	0.23	-1.85	-7.86
	133	-18306.1	23420.9	-2317.2	-0.23	-1.77	-22.47
18	132	-11588.2	-9924.3	-2287.1	0.31	2.86	-16.34
	133	11588.2	17938.9	2287.1	-0.31	0.71	-5.42
19	132	29225.1	-21307.4	2383.4	0.54	-2.69	-10.05
	133	-29225.1	31257.8	-1918.8	-0.54	-0.67	-31.01
20	132	-20598.9	-12170.8	-5290.4	0.68	5.15	-24.19
	133	20598.9	22121.2	5755.0	-0.68	3.47	-2.60
21	132	28046.9	-16776.3	4030.0	0.38	-3.50	-6.12
	133	-28046.9	24790.9	-4030.0	-0.38	-2.80	-26.35
22	132	-21777.1	-7639.7	-3643.8	0.52	4.35	-20.25
	133	21777.1	15654.3	3643.8	-0.52	1.34	2.06
23	132	27053.8	-13688.4	5293.9	0.07	-3.97	-2.41
	133	-27053.8	20251.2	-5642.3	-0.07	-4.57	-24.10
24	132	-22770.2	-4551.8	-2379.9	0.20	3.88	-16.54
	133	22770.2	11114.5	2031.5	-0.20	-0.44	4.31
25	132	28162.0	-17121.4	3924.5	0.23	-3.42	-5.29
	133	-28162.0	25136.0	-3924.5	-0.23	-2.71	-27.71
26	132	-21662.0	-7984.7	-3749.3	0.37	4.43	-19.43

	133	21662.0	15999.3	3749.3	-0.37	1.43	0.70
27	132	1662.5	-11801.0	2577.6	0.01	-0.28	-9.24
	133	-1662.5	19009.0	-2577.6	-0.01	-3.84	-11.72
28	132	1045.8	-10761.0	3230.3	0.05	-0.49	-11.80
	133	-1045.8	17969.0	-3230.3	-0.05	-4.71	-7.54
29	132	3469.7	-13464.1	-104.1	0.18	0.55	-7.35
	133	-3469.7	20672.1	104.1	-0.18	-0.33	-18.37
30	132	3374.2	-12116.3	-662.1	0.43	0.70	-12.57
	133	-3374.2	19324.3	662.1	-0.43	0.37	-12.92
31	132	4770.3	-13086.1	-2908.7	0.62	1.39	-12.38
	133	-4770.3	20294.1	2908.7	-0.62	3.31	-16.78
32	132	4153.6	-12046.1	-2255.9	0.66	1.18	-14.95
	133	-4153.6	19254.1	2255.9	-0.66	2.44	-12.60
33	132	1414.0	-9997.4	2071.6	0.31	-0.15	-15.89
	133	-1414.0	17205.5	-2071.6	-0.31	-3.22	-4.43
34	132	2346.4	-10383.0	425.8	0.49	0.35	-16.83
	133	-2346.4	17591.0	-425.8	-0.49	-1.08	-5.95
35	132	2202.7	-8833.2	136.9	0.24	0.35	-9.15
	133	-2202.7	14696.9	-136.9	-0.24	-0.57	-9.23
36	132	2315.0	-8645.7	-987.1	0.32	0.74	-9.11
	133	-2315.0	14455.7	1296.8	-0.32	1.04	-8.93
37	132	1529.5	-5625.0	110.7	0.21	0.21	-6.49
	133	-1529.5	10144.5	-110.7	-0.21	-0.38	-5.82
38	132	867.5	-3566.4	953.3	0.00	-0.10	-4.02
	133	-867.5	7118.0	-1185.6	-0.00	-1.57	-4.33
39	132	1606.3	-5855.1	40.4	0.11	0.26	-5.94
	133	-1606.3	10374.5	-40.4	-0.11	-0.32	-6.73
40	132	11462.1	-7570.2	1647.7	0.11	-1.31	-3.38
	133	-11462.1	12089.6	-1647.7	-0.11	-1.26	-11.98
41	132	-8467.5	-3915.5	-1421.8	0.17	1.83	-9.03
	133	8467.5	8434.9	1421.8	-0.17	0.39	-0.61
42	132	2908.1	-11923.5	160.8	0.34	0.45	-12.09
	133	-2908.1	19131.6	-160.8	-0.34	-0.70	-12.16
43	132	1624.8	-11807.8	2448.8	0.04	-0.20	-12.39
	133	-1624.8	19015.8	-2448.8	-0.04	-3.69	-11.71
44	132	988.5	-10718.5	3116.9	0.07	-0.41	-15.07
	133	-988.5	17926.6	-3116.9	-0.07	-4.58	-7.33
45	132	3488.2	-13540.9	-166.1	0.19	0.57	-8.11
	133	-3488.2	20748.9	166.1	-0.19	-0.25	-18.68
46	132	4449.0	-13937.1	-1739.3	0.36	1.02	-7.13
	133	-4449.0	21145.2	1739.3	-0.36	1.81	-20.26
47	132	4827.7	-13128.6	-2795.2	0.60	1.31	-9.11
	133	-4827.7	20336.6	2795.2	-0.60	3.18	-16.99
48	132	4191.3	-12039.3	-2127.1	0.64	1.11	-11.80
	133	-4191.3	19247.3	2127.1	-0.64	2.29	-12.61
49	132	1367.1	-9909.9	2060.9	0.31	-0.12	-17.06
	133	-1367.1	17118.0	-2060.9	-0.31	-3.21	-4.06
50	132	2327.9	-10306.2	487.7	0.48	0.33	-16.08
	133	-2327.9	17514.2	-487.7	-0.48	-1.15	-5.64
51	132	456.3	-5648.3	1977.8	-0.10	-0.28	-3.80
	133	-456.3	10167.7	-1977.8	0.10	-2.87	-5.93
52	132	-52.2	-4771.9	2514.6	-0.07	-0.44	-5.96
	133	52.2	9291.4	-2514.6	0.07	-3.58	-2.40
53	132	1956.3	-7043.6	-141.8	0.02	0.35	-2.21
	133	-1956.3	11563.1	141.8	-0.02	-0.08	-11.54
54	132	2733.5	-7363.3	-1421.7	0.16	0.72	-3.00

	133	-2733.5	11882.7	1421.7	-0.16	1.59	-12.81
55	132	3046.9	-6713.7	-2288.6	0.35	0.96	-6.44
	133	-3046.9	11233.2	2288.6	-0.35	2.72	-10.19
56	132	2538.4	-5837.4	-1751.8	0.38	0.79	-8.60
	133	-2538.4	10356.8	1751.8	-0.38	2.00	-6.66
57	132	261.2	-4122.4	1647.7	0.12	-0.21	-9.41
	133	-261.2	8641.8	-1647.7	-0.12	-2.46	0.22
58	132	1038.4	-4442.0	367.8	0.26	0.16	-10.20
	133	-1038.4	8961.5	-367.8	-0.26	-0.78	-1.06
1	134	-185.9	344.8	0.0	-0.00	0.00	0.00
	148	185.9	410.6	0.0	0.00	0.00	0.00
2	134	-313.4	1496.8	0.0	-0.00	0.00	0.00
	148	313.4	1850.6	0.0	0.00	0.00	0.00
3	134	-12681.0	2049.8	132.7	-0.01	0.00	0.00
	148	12681.0	2541.8	165.9	0.01	0.00	0.00
4	134	-12900.7	1496.8	0.0	-0.00	0.00	0.00
	148	12900.7	1850.6	0.0	0.00	0.00	0.00
5	134	-12677.0	1082.1	-99.5	-0.00	0.00	0.00
	148	12677.0	1332.2	-124.4	0.00	0.00	0.00
6	134	-12471.2	1496.8	0.0	-0.01	0.00	0.00
	148	12471.2	1850.6	0.0	0.01	0.00	0.00
7	134	12046.8	2049.8	132.7	0.00	0.00	0.00
	148	-12046.8	2541.8	165.9	-0.00	0.00	0.00
8	134	11827.1	1496.8	0.0	0.01	0.00	0.00
	148	-11827.1	1850.6	0.0	-0.01	0.00	0.00
9	134	12050.8	1082.1	-99.5	0.00	0.00	0.00
	148	-12050.8	1332.2	-124.4	-0.00	0.00	0.00
10	134	12256.5	1496.8	0.0	0.00	0.00	0.00
	148	-12256.5	1850.6	0.0	-0.00	0.00	0.00
11	134	-12619.7	1842.4	221.2	-0.01	0.00	0.00
	148	12619.7	2282.6	276.5	0.01	0.00	0.00
12	134	12108.0	1842.4	221.2	0.00	0.00	0.00
	148	-12108.0	2282.6	276.5	-0.00	0.00	0.00
13	134	-12985.9	920.8	0.0	-0.00	0.00	0.00
	148	12985.9	1130.6	0.0	0.00	0.00	0.00
14	134	11741.9	920.8	0.0	0.01	0.00	0.00
	148	-11741.9	1130.6	0.0	-0.01	0.00	0.00
15	134	-12613.1	229.6	-165.9	-0.00	0.00	0.00
	148	12613.1	266.6	-207.4	0.00	0.00	0.00
16	134	12114.7	229.6	-165.9	0.01	0.00	0.00
	148	-12114.7	266.6	-207.4	-0.01	0.00	0.00
17	134	-12270.1	920.8	0.0	-0.01	0.00	0.00
	148	12270.1	1130.6	0.0	0.01	0.00	0.00
18	134	12457.6	920.8	0.0	0.00	0.00	0.00
	148	-12457.6	1130.6	0.0	-0.00	0.00	0.00
19	134	-20859.9	1473.8	132.7	-0.01	0.00	0.00
	148	20859.9	1821.8	165.9	0.01	0.00	0.00
20	134	20353.1	1473.8	132.7	0.01	0.00	0.00
	148	-20353.1	1821.8	165.9	-0.01	0.00	0.00
21	134	-21079.5	920.8	0.0	-0.01	0.00	0.00
	148	21079.5	1130.6	0.0	0.01	0.00	0.00
22	134	20133.4	920.8	0.0	0.01	0.00	0.00
	148	-20133.4	1130.6	0.0	-0.01	0.00	0.00
23	134	-20855.8	506.1	-99.5	-0.01	0.00	0.00
	148	20855.8	612.2	-124.4	0.01	0.00	0.00

	134	20357.1	506.1	-99.5	0.01	0.00	0.00
	148	-20357.1	612.2	-124.4	-0.01	0.00	0.00
25	134	-20650.1	920.8	0.0	-0.01	0.00	0.00
	148	20650.1	1130.6	0.0	0.01	0.00	0.00
26	134	20562.8	920.8	0.0	0.01	0.00	0.00
	148	-20562.8	1130.6	0.0	-0.01	0.00	0.00
27	134	-753.4	1006.2	0.0	0.01	0.00	0.00
	148	753.4	1242.1	0.0	-0.01	0.00	0.00
28	134	-1160.4	1006.2	0.0	0.01	0.00	0.00
	148	1160.4	1242.1	0.0	-0.01	0.00	0.00
29	134	233.5	1006.2	0.0	-0.01	0.00	0.00
	148	-233.5	1242.1	0.0	0.01	0.00	0.00
30	134	-5.8	1006.2	0.0	-0.00	0.00	0.00
	148	5.8	1242.1	0.0	0.00	0.00	0.00
31	134	709.8	1006.2	0.0	-0.01	0.00	0.00
	148	-709.8	1242.1	0.0	0.01	0.00	0.00
32	134	302.8	1006.2	0.0	-0.01	0.00	0.00
	148	-302.8	1242.1	0.0	0.01	0.00	0.00
33	134	-1123.1	1006.2	0.0	0.01	0.00	0.00
	148	1123.1	1242.1	0.0	-0.01	0.00	0.00
34	134	-684.1	1006.2	0.0	0.01	0.00	0.00
	148	684.1	1242.1	0.0	-0.01	0.00	0.00
35	134	-182.8	622.2	0.0	-0.00	0.00	0.00
	148	182.8	762.1	0.0	0.00	0.00	0.00
36	134	-142.8	606.9	88.5	-0.00	0.00	0.00
	148	142.8	742.9	110.6	0.00	0.00	0.00
37	134	-289.3	238.2	0.0	0.00	0.00	0.00
	148	289.3	282.1	0.0	-0.00	0.00	0.00
38	134	-140.1	-38.2	-66.4	-0.00	0.00	0.00
	148	140.1	-63.5	-82.9	0.00	0.00	0.00
39	134	-3.0	238.2	0.0	-0.00	0.00	0.00
	148	3.0	282.1	0.0	0.00	0.00	0.00
40	134	-8382.9	238.2	0.0	-0.00	0.00	0.00
	148	8382.9	282.1	0.0	0.00	0.00	0.00
41	134	8102.3	238.2	0.0	0.00	0.00	0.00
	148	-8102.3	282.1	0.0	-0.00	0.00	0.00
42	134	-225.3	1006.2	0.0	-0.00	0.00	0.00
	148	225.3	1242.1	0.0	0.00	0.00	0.00
43	134	-774.8	1006.2	0.0	0.01	0.00	0.00
	148	774.8	1242.1	0.0	-0.01	0.00	0.00
44	134	-1196.3	1006.2	0.0	0.01	0.00	0.00
	148	1196.3	1242.1	0.0	-0.01	0.00	0.00
45	134	249.1	1006.2	0.0	-0.01	0.00	0.00
	148	-249.1	1242.1	0.0	0.01	0.00	0.00
46	134	705.2	1006.2	0.0	-0.01	0.00	0.00
	148	-705.2	1242.1	0.0	0.01	0.00	0.00
47	134	745.7	1006.2	0.0	-0.01	0.00	0.00
	148	-745.7	1242.1	0.0	0.01	0.00	0.00
48	134	324.2	1006.2	0.0	-0.01	0.00	0.00
	148	-324.2	1242.1	0.0	0.01	0.00	0.00
49	134	-1155.8	1006.2	0.0	0.01	0.00	0.00
	148	1155.8	1242.1	0.0	-0.01	0.00	0.00
50	134	-699.7	1006.2	0.0	0.01	0.00	0.00
	148	699.7	1242.1	0.0	-0.01	0.00	0.00
51	134	-584.8	238.2	0.0	0.00	0.00	0.00
	148	584.8	282.1	0.0	-0.00	0.00	0.00

	134	-921.8	238.2	0.0	0.01	0.00	0.00
	148	921.8	282.1	0.0	-0.01	0.00	0.00
53	134	237.5	238.2	0.0	-0.01	0.00	0.00
	148	-237.5	282.1	0.0	0.01	0.00	0.00
54	134	605.2	238.2	0.0	-0.01	0.00	0.00
	148	-605.2	282.1	0.0	0.01	0.00	0.00
55	134	641.1	238.2	0.0	-0.01	0.00	0.00
	148	-641.1	282.1	0.0	0.01	0.00	0.00
56	134	304.1	238.2	0.0	-0.01	0.00	0.00
	148	-304.1	282.1	0.0	0.01	0.00	0.00
57	134	-885.9	238.2	0.0	0.01	0.00	0.00
	148	885.9	282.1	0.0	-0.01	0.00	0.00
58	134	-518.1	238.2	0.0	0.00	0.00	0.00
	148	518.1	282.1	0.0	-0.00	0.00	0.00
1	148	-158.4	441.6	0.0	0.00	0.00	0.00
	149	158.4	441.6	0.0	-0.00	0.00	0.00
2	148	-264.2	2043.2	0.0	0.01	0.00	0.00
	149	264.2	2043.2	0.0	-0.01	0.00	0.00
3	148	-12824.0	2812.0	184.5	0.02	0.00	0.00
	149	12824.0	2812.0	184.5	-0.02	0.00	0.00
4	148	-13023.6	2043.2	0.0	0.02	0.00	0.00
	149	13023.6	2043.2	0.0	-0.02	0.00	0.00
5	148	-12831.0	1466.6	-138.4	0.01	0.00	0.00
	149	12831.0	1466.7	-138.4	-0.01	0.00	0.00
6	148	-12643.3	2043.2	0.0	0.02	0.00	0.00
	149	12643.3	2043.2	0.0	-0.02	0.00	0.00
7	148	12299.8	2812.0	184.5	0.02	0.00	0.00
	149	-12299.8	2812.0	184.5	-0.02	0.00	0.00
8	148	12100.2	2043.2	0.0	0.01	0.00	0.00
	149	-12100.2	2043.2	0.0	-0.01	0.00	0.00
9	148	12292.8	1466.6	-138.4	0.01	0.00	0.00
	149	-12292.8	1466.7	-138.4	-0.01	0.00	0.00
10	148	12480.5	2043.2	0.0	0.01	0.00	0.00
	149	-12480.5	2043.2	0.0	-0.01	0.00	0.00
11	148	-12769.8	2523.7	307.5	0.02	0.00	0.00
	149	12769.8	2523.7	307.5	-0.02	0.00	0.00
12	148	12354.0	2523.7	307.5	0.01	0.00	0.00
	149	-12354.0	2523.7	307.5	-0.01	0.00	0.00
13	148	-13102.4	1242.4	0.0	0.01	0.00	0.00
	149	13102.4	1242.4	0.0	-0.01	0.00	0.00
14	148	12021.4	1242.4	0.0	0.01	0.00	0.00
	149	-12021.4	1242.4	0.0	-0.01	0.00	0.00
15	148	-12781.4	281.4	-230.6	0.01	0.00	0.00
	149	12781.4	281.4	-230.6	-0.01	0.00	0.00
16	148	12342.4	281.4	-230.6	-0.00	0.00	0.00
	149	-12342.4	281.4	-230.6	0.00	0.00	0.00
17	148	-12468.6	1242.4	0.0	0.01	0.00	0.00
	149	12468.6	1242.4	0.0	-0.01	0.00	0.00
18	148	12655.2	1242.4	0.0	0.01	0.00	0.00
	149	-12655.2	1242.4	0.0	-0.01	0.00	0.00
19	148	-21145.8	2011.2	184.5	0.02	0.00	0.00
	149	21145.8	2011.2	184.5	-0.02	0.00	0.00
20	148	20727.2	2011.2	184.5	0.01	0.00	0.00
	149	-20727.2	2011.2	184.5	-0.01	0.00	0.00
21	148	-21345.3	1242.4	0.0	0.01	0.00	0.00

	149	21345.3	1242.4	0.0	-0.01	0.00	0.00
22	148	20527.7	1242.4	0.0	0.00	0.00	0.00
	149	-20527.7	1242.4	0.0	-0.00	0.00	0.00
23	148	-21152.7	665.8	-138.4	0.01	0.00	0.00
	149	21152.7	665.8	-138.4	-0.01	0.00	0.00
24	148	20720.3	665.8	-138.4	0.00	0.00	0.00
	149	-20720.3	665.8	-138.4	-0.00	0.00	0.00
25	148	-20965.0	1242.4	0.0	0.01	0.00	0.00
	149	20965.0	1242.4	0.0	-0.01	0.00	0.00
26	148	20908.0	1242.4	0.0	0.00	0.00	0.00
	149	-20908.0	1242.4	0.0	-0.00	0.00	0.00
27	148	-644.9	1369.9	0.0	0.01	0.00	0.00
	149	644.9	1369.9	0.0	-0.01	0.00	0.00
28	148	-1034.7	1369.9	0.0	0.00	0.00	0.00
	149	1034.7	1369.9	0.0	-0.00	0.00	0.00
29	148	264.8	1369.9	0.0	0.01	0.00	0.00
	149	-264.8	1369.9	0.0	-0.01	0.00	0.00
30	148	5.0	1369.9	0.0	0.01	0.00	0.00
	149	-5.0	1369.9	0.0	-0.01	0.00	0.00
31	148	654.8	1369.9	0.0	0.01	0.00	0.00
	149	-654.8	1369.9	0.0	-0.01	0.00	0.00
32	148	264.9	1369.9	0.0	0.01	0.00	0.00
	149	-264.9	1369.9	0.0	-0.01	0.00	0.00
33	148	-1034.6	1369.9	0.0	0.00	0.00	0.00
	149	1034.6	1369.9	0.0	-0.00	0.00	0.00
34	148	-644.7	1369.9	0.0	0.01	0.00	0.00
	149	644.7	1369.9	0.0	-0.01	0.00	0.00
35	148	-154.7	836.0	0.0	0.01	0.00	0.00
	149	154.7	836.0	0.0	-0.01	0.00	0.00
36	148	-118.1	814.7	123.0	0.01	0.00	0.00
	149	118.1	814.7	123.0	-0.01	0.00	0.00
37	148	-251.1	302.2	0.0	0.00	0.00	0.00
	149	251.1	302.2	0.0	-0.00	0.00	0.00
38	148	-122.7	-82.2	-92.3	0.00	0.00	0.00
	149	122.7	-82.2	-92.3	-0.00	0.00	0.00
39	148	2.4	302.2	0.0	0.00	0.00	0.00
	149	-2.4	302.2	0.0	-0.00	0.00	0.00
40	148	-8494.0	302.2	0.0	0.00	0.00	0.00
	149	8494.0	302.2	0.0	-0.00	0.00	0.00
41	148	8255.2	302.2	0.0	0.00	0.00	0.00
	149	-8255.2	302.2	0.0	-0.00	0.00	0.00
42	148	-190.0	1369.9	0.0	0.01	0.00	0.00
	149	190.0	1369.9	0.0	-0.01	0.00	0.00
43	148	-663.5	1369.9	0.0	0.01	0.00	0.00
	149	663.5	1369.9	0.0	-0.01	0.00	0.00
44	148	-1068.5	1369.9	0.0	0.00	0.00	0.00
	149	1068.5	1369.9	0.0	-0.00	0.00	0.00
45	148	282.2	1369.9	0.0	0.01	0.00	0.00
	149	-282.2	1369.9	0.0	-0.01	0.00	0.00
46	148	687.8	1369.9	0.0	0.01	0.00	0.00
	149	-687.8	1369.9	0.0	-0.01	0.00	0.00
47	148	688.6	1369.9	0.0	0.01	0.00	0.00
	149	-688.6	1369.9	0.0	-0.01	0.00	0.00
48	148	283.6	1369.9	0.0	0.01	0.00	0.00
	149	-283.6	1369.9	0.0	-0.01	0.00	0.00
49	148	-1067.7	1369.9	0.0	0.00	0.00	0.00

	149	1067.7	1369.9	0.0	-0.00	0.00	0.00
50	148	-662.1	1369.9	0.0	0.01	0.00	0.00
	149	662.1	1369.9	0.0	-0.01	0.00	0.00
51	148	-502.1	302.2	0.0	0.00	0.00	0.00
	149	502.1	302.2	0.0	-0.00	0.00	0.00
52	148	-826.0	302.2	0.0	-0.00	0.00	0.00
	149	826.0	302.2	0.0	0.00	0.00	0.00
53	148	257.0	302.2	0.0	0.00	0.00	0.00
	149	-257.0	302.2	0.0	-0.00	0.00	0.00
54	148	583.7	302.2	0.0	0.01	0.00	0.00
	149	-583.7	302.2	0.0	-0.01	0.00	0.00
55	148	587.1	302.2	0.0	0.01	0.00	0.00
	149	-587.1	302.2	0.0	-0.01	0.00	0.00
56	148	263.2	302.2	0.0	0.00	0.00	0.00
	149	-263.2	302.2	0.0	-0.00	0.00	0.00
57	148	-822.6	302.2	0.0	-0.00	0.00	0.00
	149	822.6	302.2	0.0	0.00	0.00	0.00
58	148	-495.9	302.2	0.0	0.00	0.00	0.00
	149	495.9	302.2	0.0	-0.00	0.00	0.00
1	149	-146.1	441.9	0.0	0.00	0.00	0.00
	150	146.1	441.9	0.0	-0.00	0.00	0.00
2	149	-243.9	2044.6	0.0	0.00	0.00	0.00
	150	243.9	2044.6	0.0	-0.00	0.00	0.00
3	149	-12899.7	2813.9	184.6	0.00	0.00	0.00
	150	12899.7	2813.9	184.6	-0.00	0.00	0.00
4	149	-13097.3	2044.6	0.0	0.00	0.00	0.00
	150	13097.3	2044.6	0.0	-0.00	0.00	0.00
5	149	-12909.5	1467.6	-138.5	0.00	0.00	0.00
	150	12909.5	1467.6	-138.5	-0.00	0.00	0.00
6	149	-12723.9	2044.6	0.0	0.00	0.00	0.00
	150	12723.9	2044.6	0.0	-0.00	0.00	0.00
7	149	12422.0	2813.9	184.6	-0.00	0.00	0.00
	150	-12422.0	2813.9	184.6	0.00	0.00	0.00
8	149	12224.5	2044.6	0.0	-0.00	0.00	0.00
	150	-12224.5	2044.6	0.0	0.00	0.00	0.00
9	149	12412.3	1467.6	-138.5	-0.00	0.00	0.00
	150	-12412.3	1467.6	-138.5	0.00	0.00	0.00
10	149	12597.9	2044.6	0.0	-0.00	0.00	0.00
	150	-12597.9	2044.6	0.0	0.00	0.00	0.00
11	149	-12847.5	2525.4	307.7	0.00	0.00	0.00
	150	12847.5	2525.4	307.7	-0.00	0.00	0.00
12	149	12474.3	2525.4	307.7	-0.00	0.00	0.00
	150	-12474.3	2525.4	307.7	0.00	0.00	0.00
13	149	-13176.7	1243.3	0.0	0.00	0.00	0.00
	150	13176.7	1243.3	0.0	-0.00	0.00	0.00
14	149	12145.0	1243.3	0.0	-0.00	0.00	0.00
	150	-12145.0	1243.3	0.0	0.00	0.00	0.00
15	149	-12863.7	281.6	-230.8	0.00	0.00	0.00
	150	12863.7	281.6	-230.8	-0.00	0.00	0.00
16	149	12458.0	281.6	-230.8	-0.00	0.00	0.00
	150	-12458.0	281.6	-230.8	0.00	0.00	0.00
17	149	-12554.4	1243.3	0.0	0.00	0.00	0.00
	150	12554.4	1243.3	0.0	-0.00	0.00	0.00
18	149	12767.3	1243.3	0.0	-0.00	0.00	0.00
	150	-12767.3	1243.3	0.0	0.00	0.00	0.00

	149	-21291.4	2012.6	184.6	0.00	0.00	0.00
	150	21291.4	2012.6	184.6	-0.00	0.00	0.00
20	149	20911.5	2012.6	184.6	-0.00	0.00	0.00
	150	-20911.5	2012.6	184.6	0.00	0.00	0.00
21	149	-21489.0	1243.3	0.0	0.00	0.00	0.00
	150	21489.0	1243.3	0.0	-0.00	0.00	0.00
22	149	20713.9	1243.3	0.0	-0.00	0.00	0.00
	150	-20713.9	1243.3	0.0	0.00	0.00	0.00
23	149	-21301.2	666.3	-138.5	0.00	0.00	0.00
	150	21301.2	666.3	-138.5	-0.00	0.00	0.00
24	149	20901.7	666.3	-138.5	-0.00	0.00	0.00
	150	-20901.7	666.3	-138.5	0.00	0.00	0.00
25	149	-21115.6	1243.3	0.0	0.00	0.00	0.00
	150	21115.6	1243.3	0.0	-0.00	0.00	0.00
26	149	21087.3	1243.3	0.0	-0.00	0.00	0.00
	150	-21087.3	1243.3	0.0	0.00	0.00	0.00
27	149	-527.7	1370.8	0.0	-0.00	0.00	0.00
	150	527.7	1370.8	0.0	0.00	0.00	0.00
28	149	-949.3	1370.8	0.0	-0.00	0.00	0.00
	150	949.3	1370.8	0.0	0.00	0.00	0.00
29	149	358.3	1370.8	0.0	-0.00	0.00	0.00
	150	-358.3	1370.8	0.0	0.00	0.00	0.00
30	149	-6.4	1370.8	0.0	0.00	0.00	0.00
	150	6.4	1370.8	0.0	-0.00	0.00	0.00
31	149	598.6	1370.8	0.0	0.00	0.00	0.00
	150	-598.6	1370.8	0.0	-0.00	0.00	0.00
32	149	177.0	1370.8	0.0	0.00	0.00	0.00
	150	-177.0	1370.8	0.0	-0.00	0.00	0.00
33	149	-1046.9	1370.8	0.0	0.00	0.00	0.00
	150	1046.9	1370.8	0.0	-0.00	0.00	0.00
34	149	-709.0	1370.8	0.0	0.00	0.00	0.00
	150	709.0	1370.8	0.0	-0.00	0.00	0.00
35	149	-142.8	836.6	0.0	0.00	0.00	0.00
	150	142.8	836.6	0.0	-0.00	0.00	0.00
36	149	-106.8	815.2	123.1	0.00	0.00	0.00
	150	106.8	815.2	123.1	-0.00	0.00	0.00
37	149	-238.5	302.4	0.0	0.00	0.00	0.00
	150	238.5	302.4	0.0	-0.00	0.00	0.00
38	149	-113.3	-82.3	-92.3	0.00	0.00	0.00
	150	113.3	-82.3	-92.3	-0.00	0.00	0.00
39	149	10.4	302.4	0.0	0.00	0.00	0.00
	150	-10.4	302.4	0.0	-0.00	0.00	0.00
40	149	-8550.7	302.4	0.0	0.00	0.00	0.00
	150	8550.7	302.4	0.0	-0.00	0.00	0.00
41	149	8330.4	302.4	0.0	-0.00	0.00	0.00
	150	-8330.4	302.4	0.0	0.00	0.00	0.00
42	149	-175.3	1370.8	0.0	0.00	0.00	0.00
	150	175.3	1370.8	0.0	-0.00	0.00	0.00
43	149	-542.9	1370.8	0.0	-0.00	0.00	0.00
	150	542.9	1370.8	0.0	0.00	0.00	0.00
44	149	-983.2	1370.8	0.0	-0.00	0.00	0.00
	150	983.2	1370.8	0.0	0.00	0.00	0.00
45	149	382.1	1370.8	0.0	-0.00	0.00	0.00
	150	-382.1	1370.8	0.0	0.00	0.00	0.00
46	149	734.8	1370.8	0.0	-0.00	0.00	0.00
	150	-734.8	1370.8	0.0	0.00	0.00	0.00

	149	632.6	1370.8	0.0	0.00	0.00	0.00
	150	-632.6	1370.8	0.0	-0.00	0.00	0.00
48	149	192.3	1370.8	0.0	0.00	0.00	0.00
	150	-192.3	1370.8	0.0	-0.00	0.00	0.00
49	149	-1085.5	1370.8	0.0	0.00	0.00	0.00
	150	1085.5	1370.8	0.0	-0.00	0.00	0.00
50	149	-732.8	1370.8	0.0	0.00	0.00	0.00
	150	732.8	1370.8	0.0	-0.00	0.00	0.00
51	149	-406.1	302.4	0.0	-0.00	0.00	0.00
	150	406.1	302.4	0.0	0.00	0.00	0.00
52	149	-758.5	302.4	0.0	-0.00	0.00	0.00
	150	758.5	302.4	0.0	0.00	0.00	0.00
53	149	335.5	302.4	0.0	-0.00	0.00	0.00
	150	-335.5	302.4	0.0	0.00	0.00	0.00
54	149	618.8	302.4	0.0	-0.00	0.00	0.00
	150	-618.8	302.4	0.0	0.00	0.00	0.00
55	149	538.2	302.4	0.0	0.00	0.00	0.00
	150	-538.2	302.4	0.0	-0.00	0.00	0.00
56	149	185.8	302.4	0.0	0.00	0.00	0.00
	150	-185.8	302.4	0.0	-0.00	0.00	0.00
57	149	-839.1	302.4	0.0	0.00	0.00	0.00
	150	839.1	302.4	0.0	-0.00	0.00	0.00
58	149	-555.8	302.4	0.0	0.00	0.00	0.00
	150	555.8	302.4	0.0	-0.00	0.00	0.00
1	150	-138.1	441.6	0.0	-0.00	0.00	0.00
	151	138.1	441.6	0.0	0.00	0.00	0.00
2	150	-235.7	2043.2	0.0	-0.02	0.00	0.00
	151	235.7	2043.2	0.0	0.02	0.00	0.00
3	150	-12849.1	2812.0	184.5	-0.02	0.00	0.00
	151	12849.1	2812.0	184.5	0.02	0.00	0.00
4	150	-13048.7	2043.2	0.0	-0.02	0.00	0.00
	151	13048.7	2043.2	0.0	0.02	0.00	0.00
5	150	-12876.6	1466.7	-138.4	-0.01	0.00	0.00
	151	12876.6	1466.7	-138.4	0.01	0.00	0.00
6	150	-12691.7	2043.2	0.0	-0.02	0.00	0.00
	151	12691.7	2043.2	0.0	0.02	0.00	0.00
7	150	12408.7	2812.0	184.5	-0.02	0.00	0.00
	151	-12408.7	2812.0	184.5	0.02	0.00	0.00
8	150	12209.1	2043.2	0.0	-0.02	0.00	0.00
	151	-12209.1	2043.2	0.0	0.02	0.00	0.00
9	150	12381.2	1466.7	-138.4	-0.01	0.00	0.00
	151	-12381.2	1466.7	-138.4	0.01	0.00	0.00
10	150	12566.1	2043.2	0.0	-0.02	0.00	0.00
	151	-12566.1	2043.2	0.0	0.02	0.00	0.00
11	150	-12789.9	2523.7	307.5	-0.02	0.00	0.00
	151	12789.9	2523.7	307.5	0.02	0.00	0.00
12	150	12467.9	2523.7	307.5	-0.02	0.00	0.00
	151	-12467.9	2523.7	307.5	0.02	0.00	0.00
13	150	-13122.6	1242.4	0.0	-0.01	0.00	0.00
	151	13122.6	1242.4	0.0	0.01	0.00	0.00
14	150	12135.2	1242.4	0.0	-0.01	0.00	0.00
	151	-12135.2	1242.4	0.0	0.01	0.00	0.00
15	150	-12835.8	281.4	-230.6	-0.00	0.00	0.00
	151	12835.8	281.4	-230.6	0.00	0.00	0.00
16	150	12422.0	281.4	-230.6	-0.00	0.00	0.00

	151	-12422.0	281.4	-230.6	0.00	0.00	0.00
17	150	-12527.6	1242.4	0.0	-0.01	0.00	0.00
	151	12527.6	1242.4	0.0	0.01	0.00	0.00
18	150	12730.2	1242.4	0.0	-0.01	0.00	0.00
	151	-12730.2	1242.4	0.0	0.01	0.00	0.00
19	150	-21219.5	2011.2	184.5	-0.02	0.00	0.00
	151	21219.5	2011.2	184.5	0.02	0.00	0.00
20	150	20876.8	2011.2	184.5	-0.02	0.00	0.00
	151	-20876.8	2011.2	184.5	0.02	0.00	0.00
21	150	-21419.1	1242.4	0.0	-0.01	0.00	0.00
	151	21419.1	1242.4	0.0	0.01	0.00	0.00
22	150	20677.2	1242.4	0.0	-0.01	0.00	0.00
	151	-20677.2	1242.4	0.0	0.01	0.00	0.00
23	150	-21247.1	665.8	-138.4	-0.01	0.00	0.00
	151	21247.1	665.8	-138.4	0.01	0.00	0.00
24	150	20849.3	665.8	-138.4	-0.01	0.00	0.00
	151	-20849.3	665.8	-138.4	0.01	0.00	0.00
25	150	-21062.1	1242.4	0.0	-0.01	0.00	0.00
	151	21062.1	1242.4	0.0	0.01	0.00	0.00
26	150	21034.2	1242.4	0.0	-0.01	0.00	0.00
	151	-21034.2	1242.4	0.0	0.01	0.00	0.00
27	150	-450.3	1369.9	0.0	-0.01	0.00	0.00
	151	450.3	1369.9	0.0	0.01	0.00	0.00
28	150	-895.7	1369.9	0.0	-0.01	0.00	0.00
	151	895.7	1369.9	0.0	0.01	0.00	0.00
29	150	422.2	1369.9	0.0	-0.01	0.00	0.00
	151	-422.2	1369.9	0.0	0.01	0.00	0.00
30	150	-17.7	1369.9	0.0	-0.01	0.00	0.00
	151	17.7	1369.9	0.0	0.01	0.00	0.00
31	150	557.8	1369.9	0.0	-0.01	0.00	0.00
	151	-557.8	1369.9	0.0	0.01	0.00	0.00
32	150	112.4	1369.9	0.0	-0.01	0.00	0.00
	151	-112.4	1369.9	0.0	0.01	0.00	0.00
33	150	-1062.5	1369.9	0.0	-0.01	0.00	0.00
	151	1062.5	1369.9	0.0	0.01	0.00	0.00
34	150	-760.0	1369.9	0.0	-0.01	0.00	0.00
	151	760.0	1369.9	0.0	0.01	0.00	0.00
35	150	-136.4	836.0	0.0	-0.01	0.00	0.00
	151	136.4	836.0	0.0	0.01	0.00	0.00
36	150	-93.5	814.7	123.0	-0.01	0.00	0.00
	151	93.5	814.7	123.0	0.01	0.00	0.00
37	150	-226.6	302.2	0.0	-0.00	0.00	0.00
	151	226.6	302.2	0.0	0.00	0.00	0.00
38	150	-111.9	-82.2	-92.3	-0.00	0.00	0.00
	151	111.9	-82.2	-92.3	0.00	0.00	0.00
39	150	11.4	302.2	0.0	-0.00	0.00	0.00
	151	-11.4	302.2	0.0	0.00	0.00	0.00
40	150	-8523.1	302.2	0.0	-0.00	0.00	0.00
	151	8523.1	302.2	0.0	0.00	0.00	0.00
41	150	8315.4	302.2	0.0	-0.00	0.00	0.00
	151	-8315.4	302.2	0.0	0.00	0.00	0.00
42	150	-168.9	1369.9	0.0	-0.01	0.00	0.00
	151	168.9	1369.9	0.0	0.01	0.00	0.00
43	150	-463.2	1369.9	0.0	-0.01	0.00	0.00
	151	463.2	1369.9	0.0	0.01	0.00	0.00
44	150	-929.6	1369.9	0.0	-0.01	0.00	0.00

	151	929.6	1369.9	0.0	0.01	0.00	0.00
45	150	450.2	1369.9	0.0	-0.01	0.00	0.00
	151	-450.2	1369.9	0.0	0.01	0.00	0.00
46	150	766.7	1369.9	0.0	-0.01	0.00	0.00
	151	-766.7	1369.9	0.0	0.01	0.00	0.00
47	150	591.8	1369.9	0.0	-0.01	0.00	0.00
	151	-591.8	1369.9	0.0	0.01	0.00	0.00
48	150	125.3	1369.9	0.0	-0.01	0.00	0.00
	151	-125.3	1369.9	0.0	0.01	0.00	0.00
49	150	-1104.6	1369.9	0.0	-0.01	0.00	0.00
	151	1104.6	1369.9	0.0	0.01	0.00	0.00
50	150	-788.1	1369.9	0.0	-0.01	0.00	0.00
	151	788.1	1369.9	0.0	0.01	0.00	0.00
51	150	-339.9	302.2	0.0	-0.00	0.00	0.00
	151	339.9	302.2	0.0	0.00	0.00	0.00
52	150	-713.4	302.2	0.0	-0.00	0.00	0.00
	151	713.4	302.2	0.0	0.00	0.00	0.00
53	150	391.9	302.2	0.0	-0.00	0.00	0.00
	151	-391.9	302.2	0.0	0.00	0.00	0.00
54	150	645.6	302.2	0.0	-0.00	0.00	0.00
	151	-645.6	302.2	0.0	0.00	0.00	0.00
55	150	505.7	302.2	0.0	-0.00	0.00	0.00
	151	-505.7	302.2	0.0	0.00	0.00	0.00
56	150	132.1	302.2	0.0	-0.00	0.00	0.00
	151	-132.1	302.2	0.0	0.00	0.00	0.00
57	150	-853.3	302.2	0.0	-0.00	0.00	0.00
	151	853.3	302.2	0.0	0.00	0.00	0.00
58	150	-599.7	302.2	0.0	-0.00	0.00	0.00
	151	599.7	302.2	0.0	0.00	0.00	0.00
1	151	417.0	465.1	0.0	0.01	0.00	0.00
	152	-417.0	465.1	0.0	-0.01	0.00	0.00
2	151	688.3	2152.1	0.0	0.02	0.00	0.00
	152	-688.3	2152.1	0.0	-0.02	0.00	0.00
3	151	-11545.2	2961.8	194.3	0.03	0.00	0.00
	152	11545.2	2961.8	194.3	-0.03	0.00	0.00
4	151	-11638.5	2152.1	0.0	0.02	0.00	0.00
	152	11638.5	2152.1	0.0	-0.02	0.00	0.00
5	151	-11602.6	1544.8	-145.8	0.02	0.00	0.00
	152	11602.6	1544.8	-145.8	-0.02	0.00	0.00
6	151	-11502.4	2152.1	0.0	0.02	0.00	0.00
	152	11502.4	2152.1	0.0	-0.02	0.00	0.00
7	151	12979.3	2961.8	194.3	0.03	0.00	0.00
	152	-12979.3	2961.8	194.3	-0.03	0.00	0.00
8	151	12886.0	2152.1	0.0	0.02	0.00	0.00
	152	-12886.0	2152.1	0.0	-0.02	0.00	0.00
9	151	12921.9	1544.8	-145.8	0.01	0.00	0.00
	152	-12921.9	1544.8	-145.8	-0.01	0.00	0.00
10	151	13022.1	2152.1	0.0	0.02	0.00	0.00
	152	-13022.1	2152.1	0.0	-0.02	0.00	0.00
11	151	-11661.6	2658.2	323.9	0.03	0.00	0.00
	152	11661.6	2658.2	323.9	-0.03	0.00	0.00
12	151	12862.9	2658.2	323.9	0.03	0.00	0.00
	152	-12862.9	2658.2	323.9	-0.03	0.00	0.00
13	151	-11817.1	1308.6	0.0	0.01	0.00	0.00
	152	11817.1	1308.6	0.0	-0.01	0.00	0.00

	151	12707.4	1308.6	0.0	0.01	0.00	0.00
	152	-12707.4	1308.6	0.0	-0.01	0.00	0.00
15	151	-11757.3	296.4	-242.9	0.00	0.00	0.00
	152	11757.3	296.4	-242.9	-0.00	0.00	0.00
16	151	12767.2	296.4	-242.9	0.00	0.00	0.00
	152	-12767.2	296.4	-242.9	-0.00	0.00	0.00
17	151	-11590.3	1308.6	0.0	0.01	0.00	0.00
	152	11590.3	1308.6	0.0	-0.01	0.00	0.00
18	151	12934.2	1308.6	0.0	0.01	0.00	0.00
	152	-12934.2	1308.6	0.0	-0.01	0.00	0.00
19	151	-19855.6	2118.3	194.3	0.02	0.00	0.00
	152	19855.6	2118.3	194.3	-0.02	0.00	0.00
20	151	21018.5	2118.3	194.3	0.02	0.00	0.00
	152	-21018.5	2118.3	194.3	-0.02	0.00	0.00
21	151	-19948.9	1308.6	0.0	0.01	0.00	0.00
	152	19948.9	1308.6	0.0	-0.01	0.00	0.00
22	151	20925.2	1308.6	0.0	0.01	0.00	0.00
	152	-20925.2	1308.6	0.0	-0.01	0.00	0.00
23	151	-19913.1	701.3	-145.8	0.01	0.00	0.00
	152	19913.1	701.3	-145.8	-0.01	0.00	0.00
24	151	20961.1	701.3	-145.8	0.01	0.00	0.00
	152	-20961.1	701.3	-145.8	-0.01	0.00	0.00
25	151	-19812.8	1308.6	0.0	0.01	0.00	0.00
	152	19812.8	1308.6	0.0	-0.01	0.00	0.00
26	151	21061.3	1308.6	0.0	0.01	0.00	0.00
	152	-21061.3	1308.6	0.0	-0.01	0.00	0.00
27	151	294.5	1442.9	0.0	0.01	0.00	0.00
	152	-294.5	1442.9	0.0	-0.01	0.00	0.00
28	151	429.3	1442.9	0.0	0.01	0.00	0.00
	152	-429.3	1442.9	0.0	-0.01	0.00	0.00
29	151	231.1	1442.9	0.0	0.01	0.00	0.00
	152	-231.1	1442.9	0.0	-0.01	0.00	0.00
30	151	536.2	1442.9	0.0	0.01	0.00	0.00
	152	-536.2	1442.9	0.0	-0.01	0.00	0.00
31	151	562.7	1442.9	0.0	0.02	0.00	0.00
	152	-562.7	1442.9	0.0	-0.02	0.00	0.00
32	151	697.5	1442.9	0.0	0.02	0.00	0.00
	152	-697.5	1442.9	0.0	-0.02	0.00	0.00
33	151	680.4	1442.9	0.0	0.01	0.00	0.00
	152	-680.4	1442.9	0.0	-0.01	0.00	0.00
34	151	760.9	1442.9	0.0	0.01	0.00	0.00
	152	-760.9	1442.9	0.0	-0.01	0.00	0.00
35	151	405.6	880.6	0.0	0.01	0.00	0.00
	152	-405.6	880.6	0.0	-0.01	0.00	0.00
36	151	334.4	858.1	129.6	0.01	0.00	0.00
	152	-334.4	858.1	129.6	-0.01	0.00	0.00
37	151	272.2	318.2	0.0	0.00	0.00	0.00
	152	-272.2	318.2	0.0	-0.00	0.00	0.00
38	151	296.1	-86.6	-97.2	0.00	0.00	0.00
	152	-296.1	-86.6	-97.2	-0.00	0.00	0.00
39	151	362.9	318.2	0.0	0.00	0.00	0.00
	152	-362.9	318.2	0.0	-0.00	0.00	0.00
40	151	-7859.7	318.2	0.0	0.00	0.00	0.00
	152	7859.7	318.2	0.0	-0.00	0.00	0.00
41	151	8490.0	318.2	0.0	0.00	0.00	0.00
	152	-8490.0	318.2	0.0	-0.00	0.00	0.00

	151	496.0	1442.9	0.0	0.01	0.00	0.00
	152	-496.0	1442.9	0.0	-0.01	0.00	0.00
43	151	321.3	1442.9	0.0	0.01	0.00	0.00
	152	-321.3	1442.9	0.0	-0.01	0.00	0.00
44	151	443.2	1442.9	0.0	0.01	0.00	0.00
	152	-443.2	1442.9	0.0	-0.01	0.00	0.00
45	151	258.8	1442.9	0.0	0.01	0.00	0.00
	152	-258.8	1442.9	0.0	-0.01	0.00	0.00
46	151	327.1	1442.9	0.0	0.02	0.00	0.00
	152	-327.1	1442.9	0.0	-0.02	0.00	0.00
47	151	548.9	1442.9	0.0	0.02	0.00	0.00
	152	-548.9	1442.9	0.0	-0.02	0.00	0.00
48	151	670.7	1442.9	0.0	0.02	0.00	0.00
	152	-670.7	1442.9	0.0	-0.02	0.00	0.00
49	151	664.9	1442.9	0.0	0.01	0.00	0.00
	152	-664.9	1442.9	0.0	-0.01	0.00	0.00
50	151	733.2	1442.9	0.0	0.01	0.00	0.00
	152	-733.2	1442.9	0.0	-0.01	0.00	0.00
51	151	173.1	318.2	0.0	0.00	0.00	0.00
	152	-173.1	318.2	0.0	-0.00	0.00	0.00
52	151	272.0	318.2	0.0	0.00	0.00	0.00
	152	-272.0	318.2	0.0	-0.00	0.00	0.00
53	151	122.5	318.2	0.0	0.00	0.00	0.00
	152	-122.5	318.2	0.0	-0.00	0.00	0.00
54	151	178.1	318.2	0.0	0.01	0.00	0.00
	152	-178.1	318.2	0.0	-0.01	0.00	0.00
55	151	358.3	318.2	0.0	0.01	0.00	0.00
	152	-358.3	318.2	0.0	-0.01	0.00	0.00
56	151	457.3	318.2	0.0	0.01	0.00	0.00
	152	-457.3	318.2	0.0	-0.01	0.00	0.00
57	151	452.3	318.2	0.0	0.00	0.00	0.00
	152	-452.3	318.2	0.0	-0.00	0.00	0.00
58	151	507.8	318.2	0.0	0.00	0.00	0.00
	152	-507.8	318.2	0.0	-0.00	0.00	0.00
1	152	428.9	465.4	0.0	0.00	0.00	0.00
	153	-428.9	465.4	0.0	-0.00	0.00	0.00
2	152	705.9	2153.5	0.0	0.01	0.00	0.00
	153	-705.9	2153.5	0.0	-0.01	0.00	0.00
3	152	-11705.4	2963.7	194.5	0.02	0.00	0.00
	153	11705.4	2963.7	194.5	-0.02	0.00	0.00
4	152	-11795.0	2153.5	0.0	0.01	0.00	0.00
	153	11795.0	2153.5	0.0	-0.01	0.00	0.00
5	152	-11758.7	1545.8	-145.8	0.01	0.00	0.00
	153	11758.7	1545.8	-145.8	-0.01	0.00	0.00
6	152	-11664.8	2153.5	0.0	0.01	0.00	0.00
	153	11664.8	2153.5	0.0	-0.01	0.00	0.00
7	152	13171.3	2963.7	194.5	0.02	0.00	0.00
	153	-13171.3	2963.7	194.5	-0.02	0.00	0.00
8	152	13081.7	2153.5	0.0	0.01	0.00	0.00
	153	-13081.7	2153.5	0.0	-0.01	0.00	0.00
9	152	13118.0	1545.8	-145.8	0.01	0.00	0.00
	153	-13118.0	1545.8	-145.8	-0.01	0.00	0.00
10	152	13211.9	2153.5	0.0	0.01	0.00	0.00
	153	-13211.9	2153.5	0.0	-0.01	0.00	0.00
11	152	-11825.8	2659.9	324.1	0.02	0.00	0.00

	153	11825.8	2659.9	324.1	-0.02	0.00	0.00
12	152	13050.9	2659.9	324.1	0.02	0.00	0.00
	153	-13050.9	2659.9	324.1	-0.02	0.00	0.00
13	152	-11975.2	1309.4	0.0	0.01	0.00	0.00
	153	11975.2	1309.4	0.0	-0.01	0.00	0.00
14	152	12901.5	1309.4	0.0	0.01	0.00	0.00
	153	-12901.5	1309.4	0.0	-0.01	0.00	0.00
15	152	-11914.7	296.6	-243.1	0.00	0.00	0.00
	153	11914.7	296.6	-243.1	-0.00	0.00	0.00
16	152	12962.0	296.6	-243.1	0.00	0.00	0.00
	153	-12962.0	296.6	-243.1	-0.00	0.00	0.00
17	152	-11758.2	1309.4	0.0	0.01	0.00	0.00
	153	11758.2	1309.4	0.0	-0.01	0.00	0.00
18	152	13118.5	1309.4	0.0	0.01	0.00	0.00
	153	-13118.5	1309.4	0.0	-0.01	0.00	0.00
19	152	-20136.1	2119.7	194.5	0.01	0.00	0.00
	153	20136.1	2119.7	194.5	-0.01	0.00	0.00
20	152	21325.0	2119.7	194.5	0.01	0.00	0.00
	153	-21325.0	2119.7	194.5	-0.01	0.00	0.00
21	152	-20225.7	1309.4	0.0	0.01	0.00	0.00
	153	20225.7	1309.4	0.0	-0.01	0.00	0.00
22	152	21235.4	1309.4	0.0	0.01	0.00	0.00
	153	-21235.4	1309.4	0.0	-0.01	0.00	0.00
23	152	-20189.4	701.7	-145.8	0.01	0.00	0.00
	153	20189.4	701.7	-145.8	-0.01	0.00	0.00
24	152	21271.7	701.7	-145.8	0.00	0.00	0.00
	153	-21271.7	701.7	-145.8	-0.00	0.00	0.00
25	152	-20095.5	1309.4	0.0	0.01	0.00	0.00
	153	20095.5	1309.4	0.0	-0.01	0.00	0.00
26	152	21365.6	1309.4	0.0	0.01	0.00	0.00
	153	-21365.6	1309.4	0.0	-0.01	0.00	0.00
27	152	340.9	1443.8	0.0	0.01	0.00	0.00
	153	-340.9	1443.8	0.0	-0.01	0.00	0.00
28	152	446.2	1443.8	0.0	0.01	0.00	0.00
	153	-446.2	1443.8	0.0	-0.01	0.00	0.00
29	152	298.5	1443.8	0.0	0.01	0.00	0.00
	153	-298.5	1443.8	0.0	-0.01	0.00	0.00
30	152	543.3	1443.8	0.0	0.01	0.00	0.00
	153	-543.3	1443.8	0.0	-0.01	0.00	0.00
31	152	571.3	1443.8	0.0	0.01	0.00	0.00
	153	-571.3	1443.8	0.0	-0.01	0.00	0.00
32	152	676.6	1443.8	0.0	0.01	0.00	0.00
	153	-676.6	1443.8	0.0	-0.01	0.00	0.00
33	152	649.8	1443.8	0.0	0.01	0.00	0.00
	153	-649.8	1443.8	0.0	-0.01	0.00	0.00
34	152	719.0	1443.8	0.0	0.01	0.00	0.00
	153	-719.0	1443.8	0.0	-0.01	0.00	0.00
35	152	416.4	881.1	0.0	0.01	0.00	0.00
	153	-416.4	881.1	0.0	-0.01	0.00	0.00
36	152	342.1	858.6	129.6	0.01	0.00	0.00
	153	-342.1	858.6	129.6	-0.01	0.00	0.00
37	152	282.4	318.5	0.0	0.00	0.00	0.00
	153	-282.4	318.5	0.0	-0.00	0.00	0.00
38	152	306.6	-86.7	-97.2	0.00	0.00	0.00
	153	-306.6	-86.7	-97.2	-0.00	0.00	0.00
39	152	369.2	318.5	0.0	0.00	0.00	0.00

	153	-369.2	318.5	0.0	-0.00	0.00	0.00
40	152	-7968.2	318.5	0.0	0.00	0.00	0.00
	153	7968.2	318.5	0.0	-0.00	0.00	0.00
41	152	8616.3	318.5	0.0	0.00	0.00	0.00
	153	-8616.3	318.5	0.0	-0.00	0.00	0.00
42	152	508.8	1443.8	0.0	0.01	0.00	0.00
	153	-508.8	1443.8	0.0	-0.01	0.00	0.00
43	152	366.6	1443.8	0.0	0.01	0.00	0.00
	153	-366.6	1443.8	0.0	-0.01	0.00	0.00
44	152	459.4	1443.8	0.0	0.01	0.00	0.00
	153	-459.4	1443.8	0.0	-0.01	0.00	0.00
45	152	325.4	1443.8	0.0	0.01	0.00	0.00
	153	-325.4	1443.8	0.0	-0.01	0.00	0.00
46	152	382.8	1443.8	0.0	0.01	0.00	0.00
	153	-382.8	1443.8	0.0	-0.01	0.00	0.00
47	152	558.1	1443.8	0.0	0.01	0.00	0.00
	153	-558.1	1443.8	0.0	-0.01	0.00	0.00
48	152	650.9	1443.8	0.0	0.01	0.00	0.00
	153	-650.9	1443.8	0.0	-0.01	0.00	0.00
49	152	634.7	1443.8	0.0	0.01	0.00	0.00
	153	-634.7	1443.8	0.0	-0.01	0.00	0.00
50	152	692.1	1443.8	0.0	0.01	0.00	0.00
	153	-692.1	1443.8	0.0	-0.01	0.00	0.00
51	152	208.6	318.5	0.0	0.00	0.00	0.00
	153	-208.6	318.5	0.0	-0.00	0.00	0.00
52	152	284.1	318.5	0.0	0.00	0.00	0.00
	153	-284.1	318.5	0.0	-0.00	0.00	0.00
53	152	175.0	318.5	0.0	0.00	0.00	0.00
	153	-175.0	318.5	0.0	-0.00	0.00	0.00
54	152	221.6	318.5	0.0	0.00	0.00	0.00
	153	-221.6	318.5	0.0	-0.00	0.00	0.00
55	152	364.1	318.5	0.0	0.00	0.00	0.00
	153	-364.1	318.5	0.0	-0.00	0.00	0.00
56	152	439.5	318.5	0.0	0.00	0.00	0.00
	153	-439.5	318.5	0.0	-0.00	0.00	0.00
57	152	426.5	318.5	0.0	0.00	0.00	0.00
	153	-426.5	318.5	0.0	-0.00	0.00	0.00
58	152	473.1	318.5	0.0	0.00	0.00	0.00
	153	-473.1	318.5	0.0	-0.00	0.00	0.00
1	153	430.5	465.4	0.0	-0.00	0.00	0.00
	154	-430.5	465.4	0.0	0.00	0.00	0.00
2	153	709.8	2153.5	0.0	-0.01	0.00	0.00
	154	-709.8	2153.5	0.0	0.01	0.00	0.00
3	153	-11718.6	2963.7	194.5	-0.02	0.00	0.00
	154	11718.6	2963.7	194.5	0.02	0.00	0.00
4	153	-11809.9	2153.5	0.0	-0.01	0.00	0.00
	154	11809.9	2153.5	0.0	0.01	0.00	0.00
5	153	-11773.1	1545.8	-145.8	-0.01	0.00	0.00
	154	11773.1	1545.8	-145.8	0.01	0.00	0.00
6	153	-11681.6	2153.5	0.0	-0.01	0.00	0.00
	154	11681.6	2153.5	0.0	0.01	0.00	0.00
7	153	13194.4	2963.7	194.5	-0.02	0.00	0.00
	154	-13194.4	2963.7	194.5	0.02	0.00	0.00
8	153	13103.2	2153.5	0.0	-0.01	0.00	0.00
	154	-13103.2	2153.5	0.0	0.01	0.00	0.00

	153	13139.9	1545.8	-145.8	-0.01	0.00	0.00
	154	-13139.9	1545.8	-145.8	0.01	0.00	0.00
10	153	13231.4	2153.5	0.0	-0.01	0.00	0.00
	154	-13231.4	2153.5	0.0	0.01	0.00	0.00
11	153	-11839.5	2659.9	324.1	-0.02	0.00	0.00
	154	11839.5	2659.9	324.1	0.02	0.00	0.00
12	153	13073.5	2659.9	324.1	-0.02	0.00	0.00
	154	-13073.5	2659.9	324.1	0.02	0.00	0.00
13	153	-11991.6	1309.4	0.0	-0.01	0.00	0.00
	154	11991.6	1309.4	0.0	0.01	0.00	0.00
14	153	12921.4	1309.4	0.0	-0.01	0.00	0.00
	154	-12921.4	1309.4	0.0	0.01	0.00	0.00
15	153	-11930.3	296.6	-243.1	-0.00	0.00	0.00
	154	11930.3	296.6	-243.1	0.00	0.00	0.00
16	153	12982.7	296.6	-243.1	-0.00	0.00	0.00
	154	-12982.7	296.6	-243.1	0.00	0.00	0.00
17	153	-11777.8	1309.4	0.0	-0.01	0.00	0.00
	154	11777.8	1309.4	0.0	0.01	0.00	0.00
18	153	13135.2	1309.4	0.0	-0.01	0.00	0.00
	154	-13135.2	1309.4	0.0	0.01	0.00	0.00
19	153	-20162.6	2119.7	194.5	-0.01	0.00	0.00
	154	20162.6	2119.7	194.5	0.01	0.00	0.00
20	153	21359.1	2119.7	194.5	-0.01	0.00	0.00
	154	-21359.1	2119.7	194.5	0.01	0.00	0.00
21	153	-20253.8	1309.4	0.0	-0.01	0.00	0.00
	154	20253.8	1309.4	0.0	0.01	0.00	0.00
22	153	21267.9	1309.4	0.0	-0.01	0.00	0.00
	154	-21267.9	1309.4	0.0	0.01	0.00	0.00
23	153	-20217.1	701.7	-145.8	-0.01	0.00	0.00
	154	20217.1	701.7	-145.8	0.01	0.00	0.00
24	153	21304.6	701.7	-145.8	-0.00	0.00	0.00
	154	-21304.6	701.7	-145.8	0.00	0.00	0.00
25	153	-20125.6	1309.4	0.0	-0.01	0.00	0.00
	154	20125.6	1309.4	0.0	0.01	0.00	0.00
26	153	21396.1	1309.4	0.0	-0.01	0.00	0.00
	154	-21396.1	1309.4	0.0	0.01	0.00	0.00
27	153	321.3	1443.8	0.0	-0.01	0.00	0.00
	154	-321.3	1443.8	0.0	0.01	0.00	0.00
28	153	428.9	1443.8	0.0	-0.01	0.00	0.00
	154	-428.9	1443.8	0.0	0.01	0.00	0.00
29	153	291.1	1443.8	0.0	-0.01	0.00	0.00
	154	-291.1	1443.8	0.0	0.01	0.00	0.00
30	153	552.1	1443.8	0.0	-0.01	0.00	0.00
	154	-552.1	1443.8	0.0	0.01	0.00	0.00
31	153	593.6	1443.8	0.0	-0.01	0.00	0.00
	154	-593.6	1443.8	0.0	0.01	0.00	0.00
32	153	701.2	1443.8	0.0	-0.01	0.00	0.00
	154	-701.2	1443.8	0.0	0.01	0.00	0.00
33	153	649.8	1443.8	0.0	-0.01	0.00	0.00
	154	-649.8	1443.8	0.0	0.01	0.00	0.00
34	153	731.4	1443.8	0.0	-0.01	0.00	0.00
	154	-731.4	1443.8	0.0	0.01	0.00	0.00
35	153	418.2	881.1	0.0	-0.01	0.00	0.00
	154	-418.2	881.1	0.0	0.01	0.00	0.00
36	153	343.9	858.6	129.6	-0.01	0.00	0.00
	154	-343.9	858.6	129.6	0.01	0.00	0.00

	153	283.0	318.5	0.0	-0.00	0.00	0.00
	154	-283.0	318.5	0.0	0.00	0.00	0.00
38	153	307.5	-86.7	-97.2	-0.00	0.00	0.00
	154	-307.5	-86.7	-97.2	0.00	0.00	0.00
39	153	368.5	318.5	0.0	-0.00	0.00	0.00
	154	-368.5	318.5	0.0	0.00	0.00	0.00
40	153	-7979.2	318.5	0.0	-0.00	0.00	0.00
	154	7979.2	318.5	0.0	0.00	0.00	0.00
41	153	8629.5	318.5	0.0	-0.00	0.00	0.00
	154	-8629.5	318.5	0.0	0.00	0.00	0.00
42	153	511.3	1443.8	0.0	-0.01	0.00	0.00
	154	-511.3	1443.8	0.0	0.01	0.00	0.00
43	153	584.9	1443.8	0.0	-0.01	0.00	0.00
	154	-584.9	1443.8	0.0	0.01	0.00	0.00
44	153	684.5	1443.8	0.0	-0.01	0.00	0.00
	154	-684.5	1443.8	0.0	0.01	0.00	0.00
45	153	382.2	1443.8	0.0	-0.01	0.00	0.00
	154	-382.2	1443.8	0.0	0.01	0.00	0.00
46	153	308.2	1443.8	0.0	-0.01	0.00	0.00
	154	-308.2	1443.8	0.0	0.01	0.00	0.00
47	153	338.0	1443.8	0.0	-0.01	0.00	0.00
	154	-338.0	1443.8	0.0	0.01	0.00	0.00
48	153	437.7	1443.8	0.0	-0.01	0.00	0.00
	154	-437.7	1443.8	0.0	0.01	0.00	0.00
49	153	714.4	1443.8	0.0	-0.01	0.00	0.00
	154	-714.4	1443.8	0.0	0.01	0.00	0.00
50	153	640.3	1443.8	0.0	-0.01	0.00	0.00
	154	-640.3	1443.8	0.0	0.01	0.00	0.00
51	153	385.3	318.5	0.0	-0.00	0.00	0.00
	154	-385.3	318.5	0.0	0.00	0.00	0.00
52	153	466.3	318.5	0.0	-0.00	0.00	0.00
	154	-466.3	318.5	0.0	0.00	0.00	0.00
53	153	220.3	318.5	0.0	-0.00	0.00	0.00
	154	-220.3	318.5	0.0	0.00	0.00	0.00
54	153	159.9	318.5	0.0	-0.00	0.00	0.00
	154	-159.9	318.5	0.0	0.00	0.00	0.00
55	153	183.9	318.5	0.0	-0.00	0.00	0.00
	154	-183.9	318.5	0.0	0.00	0.00	0.00
56	153	264.9	318.5	0.0	-0.00	0.00	0.00
	154	-264.9	318.5	0.0	0.00	0.00	0.00
57	153	490.3	318.5	0.0	-0.00	0.00	0.00
	154	-490.3	318.5	0.0	0.00	0.00	0.00
58	153	429.9	318.5	0.0	-0.00	0.00	0.00
	154	-429.9	318.5	0.0	0.00	0.00	0.00
1	154	416.0	465.1	0.0	-0.01	0.00	0.00
	155	-416.0	465.1	0.0	0.01	0.00	0.00
2	154	691.4	2152.1	0.0	-0.02	0.00	0.00
	155	-691.4	2152.1	0.0	0.02	0.00	0.00
3	154	-11626.3	2961.8	194.3	-0.03	0.00	0.00
	155	11626.3	2961.8	194.3	0.03	0.00	0.00
4	154	-11723.0	2152.1	0.0	-0.02	0.00	0.00
	155	11723.0	2152.1	0.0	0.02	0.00	0.00
5	154	-11693.7	1544.8	-145.8	-0.02	0.00	0.00
	155	11693.7	1544.8	-145.8	0.02	0.00	0.00
6	154	-11601.0	2152.1	0.0	-0.02	0.00	0.00

	155	11601.0	2152.1	0.0	0.02	0.00	0.00
7	154	13080.3	2961.8	194.3	-0.03	0.00	0.00
	155	-13080.3	2961.8	194.3	0.03	0.00	0.00
8	154	12983.5	2152.1	0.0	-0.02	0.00	0.00
	155	-12983.5	2152.1	0.0	0.02	0.00	0.00
9	154	13012.9	1544.8	-145.8	-0.02	0.00	0.00
	155	-13012.9	1544.8	-145.8	0.02	0.00	0.00
10	154	13105.6	2152.1	0.0	-0.02	0.00	0.00
	155	-13105.6	2152.1	0.0	0.02	0.00	0.00
11	154	-11740.2	2658.2	323.9	-0.03	0.00	0.00
	155	11740.2	2658.2	323.9	0.03	0.00	0.00
12	154	12966.4	2658.2	323.9	-0.03	0.00	0.00
	155	-12966.4	2658.2	323.9	0.03	0.00	0.00
13	154	-11901.5	1308.6	0.0	-0.02	0.00	0.00
	155	11901.5	1308.6	0.0	0.02	0.00	0.00
14	154	12805.1	1308.6	0.0	-0.02	0.00	0.00
	155	-12805.1	1308.6	0.0	0.02	0.00	0.00
15	154	-11852.6	296.4	-242.9	-0.00	0.00	0.00
	155	11852.6	296.4	-242.9	0.00	0.00	0.00
16	154	12854.0	296.4	-242.9	-0.00	0.00	0.00
	155	-12854.0	296.4	-242.9	0.00	0.00	0.00
17	154	-11698.1	1308.6	0.0	-0.01	0.00	0.00
	155	11698.1	1308.6	0.0	0.01	0.00	0.00
18	154	13008.5	1308.6	0.0	-0.01	0.00	0.00
	155	-13008.5	1308.6	0.0	0.01	0.00	0.00
19	154	-19999.5	2118.3	194.3	-0.02	0.00	0.00
	155	19999.5	2118.3	194.3	0.02	0.00	0.00
20	154	21178.1	2118.3	194.3	-0.02	0.00	0.00
	155	-21178.1	2118.3	194.3	0.02	0.00	0.00
21	154	-20096.3	1308.6	0.0	-0.02	0.00	0.00
	155	20096.3	1308.6	0.0	0.02	0.00	0.00
22	154	21081.4	1308.6	0.0	-0.02	0.00	0.00
	155	-21081.4	1308.6	0.0	0.02	0.00	0.00
23	154	-20066.9	701.3	-145.8	-0.01	0.00	0.00
	155	20066.9	701.3	-145.8	0.01	0.00	0.00
24	154	21110.7	701.3	-145.8	-0.01	0.00	0.00
	155	-21110.7	701.3	-145.8	0.01	0.00	0.00
25	154	-19974.2	1308.6	0.0	-0.01	0.00	0.00
	155	19974.2	1308.6	0.0	0.01	0.00	0.00
26	154	21203.4	1308.6	0.0	-0.01	0.00	0.00
	155	-21203.4	1308.6	0.0	0.01	0.00	0.00
27	154	743.3	1442.9	0.0	-0.01	0.00	0.00
	155	-743.3	1442.9	0.0	0.01	0.00	0.00
28	154	607.9	1442.9	0.0	-0.01	0.00	0.00
	155	-607.9	1442.9	0.0	0.01	0.00	0.00
29	154	776.6	1442.9	0.0	-0.01	0.00	0.00
	155	-776.6	1442.9	0.0	0.01	0.00	0.00
30	154	444.1	1442.9	0.0	-0.02	0.00	0.00
	155	-444.1	1442.9	0.0	0.02	0.00	0.00
31	154	387.2	1442.9	0.0	-0.02	0.00	0.00
	155	-387.2	1442.9	0.0	0.02	0.00	0.00
32	154	251.8	1442.9	0.0	-0.02	0.00	0.00
	155	-251.8	1442.9	0.0	0.02	0.00	0.00
33	154	325.3	1442.9	0.0	-0.02	0.00	0.00
	155	-325.3	1442.9	0.0	0.02	0.00	0.00
34	154	218.5	1442.9	0.0	-0.02	0.00	0.00

	155	-218.5	1442.9	0.0	0.02	0.00	0.00
35	154	405.7	880.6	0.0	-0.01	0.00	0.00
	155	-405.7	880.6	0.0	0.01	0.00	0.00
36	154	337.7	858.1	129.6	-0.01	0.00	0.00
	155	-337.7	858.1	129.6	0.01	0.00	0.00
37	154	273.2	318.2	0.0	-0.01	0.00	0.00
	155	-273.2	318.2	0.0	0.01	0.00	0.00
38	154	292.7	-86.6	-97.2	-0.00	0.00	0.00
	155	-292.7	-86.6	-97.2	0.00	0.00	0.00
39	154	354.6	318.2	0.0	-0.00	0.00	0.00
	155	-354.6	318.2	0.0	0.00	0.00	0.00
40	154	-7921.6	318.2	0.0	-0.00	0.00	0.00
	155	7921.6	318.2	0.0	0.00	0.00	0.00
41	154	8549.5	318.2	0.0	-0.00	0.00	0.00
	155	-8549.5	318.2	0.0	0.00	0.00	0.00
42	154	497.5	1442.9	0.0	-0.02	0.00	0.00
	155	-497.5	1442.9	0.0	0.02	0.00	0.00
43	154	735.3	1442.9	0.0	-0.01	0.00	0.00
	155	-735.3	1442.9	0.0	0.01	0.00	0.00
44	154	601.8	1442.9	0.0	-0.01	0.00	0.00
	155	-601.8	1442.9	0.0	0.01	0.00	0.00
45	154	771.4	1442.9	0.0	-0.01	0.00	0.00
	155	-771.4	1442.9	0.0	0.01	0.00	0.00
46	154	668.8	1442.9	0.0	-0.01	0.00	0.00
	155	-668.8	1442.9	0.0	0.01	0.00	0.00
47	154	393.3	1442.9	0.0	-0.02	0.00	0.00
	155	-393.3	1442.9	0.0	0.02	0.00	0.00
48	154	259.7	1442.9	0.0	-0.02	0.00	0.00
	155	-259.7	1442.9	0.0	0.02	0.00	0.00
49	154	326.2	1442.9	0.0	-0.02	0.00	0.00
	155	-326.2	1442.9	0.0	0.02	0.00	0.00
50	154	223.6	1442.9	0.0	-0.02	0.00	0.00
	155	-223.6	1442.9	0.0	0.02	0.00	0.00
51	154	508.0	318.2	0.0	-0.00	0.00	0.00
	155	-508.0	318.2	0.0	0.00	0.00	0.00
52	154	399.6	318.2	0.0	-0.00	0.00	0.00
	155	-399.6	318.2	0.0	0.00	0.00	0.00
53	154	536.5	318.2	0.0	-0.00	0.00	0.00
	155	-536.5	318.2	0.0	0.00	0.00	0.00
54	154	452.6	318.2	0.0	-0.00	0.00	0.00
	155	-452.6	318.2	0.0	0.00	0.00	0.00
55	154	228.2	318.2	0.0	-0.01	0.00	0.00
	155	-228.2	318.2	0.0	0.01	0.00	0.00
56	154	119.9	318.2	0.0	-0.01	0.00	0.00
	155	-119.9	318.2	0.0	0.01	0.00	0.00
57	154	175.3	318.2	0.0	-0.01	0.00	0.00
	155	-175.3	318.2	0.0	0.01	0.00	0.00
58	154	91.4	318.2	0.0	-0.01	0.00	0.00
	155	-91.4	318.2	0.0	0.01	0.00	0.00
1	155	212.0	465.1	0.0	0.01	0.00	0.00
	156	-212.0	465.1	0.0	-0.01	0.00	0.00
2	155	483.9	2152.1	0.0	0.02	0.00	0.00
	156	-483.9	2152.1	0.0	-0.02	0.00	0.00
3	155	-11461.6	2961.8	194.3	0.03	0.00	0.00
	156	11461.6	2961.8	194.3	-0.03	0.00	0.00

	155	-11568.2	2152.1	0.0	0.02	0.00	0.00
	156	11568.2	2152.1	0.0	-0.02	0.00	0.00
5	155	-11551.3	1544.8	-145.8	0.02	0.00	0.00
	156	11551.3	1544.8	-145.8	-0.02	0.00	0.00
6	155	-11471.9	2152.1	0.0	0.02	0.00	0.00
	156	11471.9	2152.1	0.0	-0.02	0.00	0.00
7	155	12528.1	2961.8	194.3	0.03	0.00	0.00
	156	-12528.1	2961.8	194.3	-0.03	0.00	0.00
8	155	12421.6	2152.1	0.0	0.02	0.00	0.00
	156	-12421.6	2152.1	0.0	-0.02	0.00	0.00
9	155	12438.4	1544.8	-145.8	0.02	0.00	0.00
	156	-12438.4	1544.8	-145.8	-0.02	0.00	0.00
10	155	12517.8	2152.1	0.0	0.02	0.00	0.00
	156	-12517.8	2152.1	0.0	-0.02	0.00	0.00
11	155	-11564.6	2658.2	323.9	0.03	0.00	0.00
	156	11564.6	2658.2	323.9	-0.03	0.00	0.00
12	155	12425.1	2658.2	323.9	0.03	0.00	0.00
	156	-12425.1	2658.2	323.9	-0.03	0.00	0.00
13	155	-11742.2	1308.6	0.0	0.02	0.00	0.00
	156	11742.2	1308.6	0.0	-0.02	0.00	0.00
14	155	12247.5	1308.6	0.0	0.02	0.00	0.00
	156	-12247.5	1308.6	0.0	-0.02	0.00	0.00
15	155	-11714.1	296.4	-242.9	0.00	0.00	0.00
	156	11714.1	296.4	-242.9	-0.00	0.00	0.00
16	155	12275.6	296.4	-242.9	0.00	0.00	0.00
	156	-12275.6	296.4	-242.9	-0.00	0.00	0.00
17	155	-11581.8	1308.6	0.0	0.02	0.00	0.00
	156	11581.8	1308.6	0.0	-0.02	0.00	0.00
18	155	12407.9	1308.6	0.0	0.02	0.00	0.00
	156	-12407.9	1308.6	0.0	-0.02	0.00	0.00
19	155	-19594.1	2118.3	194.3	0.02	0.00	0.00
	156	19594.1	2118.3	194.3	-0.02	0.00	0.00
20	155	20388.7	2118.3	194.3	0.03	0.00	0.00
	156	-20388.7	2118.3	194.3	-0.03	0.00	0.00
21	155	-19700.7	1308.6	0.0	0.02	0.00	0.00
	156	19700.7	1308.6	0.0	-0.02	0.00	0.00
22	155	20282.2	1308.6	0.0	0.02	0.00	0.00
	156	-20282.2	1308.6	0.0	-0.02	0.00	0.00
23	155	-19683.8	701.3	-145.8	0.01	0.00	0.00
	156	19683.8	701.3	-145.8	-0.01	0.00	0.00
24	155	20299.1	701.3	-145.8	0.01	0.00	0.00
	156	-20299.1	701.3	-145.8	-0.01	0.00	0.00
25	155	-19604.4	1308.6	0.0	0.02	0.00	0.00
	156	19604.4	1308.6	0.0	-0.02	0.00	0.00
26	155	20378.5	1308.6	0.0	0.02	0.00	0.00
	156	-20378.5	1308.6	0.0	-0.02	0.00	0.00
27	155	544.9	1442.9	0.0	0.02	0.00	0.00
	156	-544.9	1442.9	0.0	-0.02	0.00	0.00
28	155	795.0	1442.9	0.0	0.02	0.00	0.00
	156	-795.0	1442.9	0.0	-0.02	0.00	0.00
29	155	20.1	1442.9	0.0	0.02	0.00	0.00
	156	-20.1	1442.9	0.0	-0.02	0.00	0.00
30	155	237.3	1442.9	0.0	0.02	0.00	0.00
	156	-237.3	1442.9	0.0	-0.02	0.00	0.00
31	155	-120.6	1442.9	0.0	0.02	0.00	0.00
	156	120.6	1442.9	0.0	-0.02	0.00	0.00

	155	129.5	1442.9	0.0	0.02	0.00	0.00
	156	-129.5	1442.9	0.0	-0.02	0.00	0.00
33	155	853.9	1442.9	0.0	0.02	0.00	0.00
	156	-853.9	1442.9	0.0	-0.02	0.00	0.00
34	155	654.2	1442.9	0.0	0.02	0.00	0.00
	156	-654.2	1442.9	0.0	-0.02	0.00	0.00
35	155	246.5	880.6	0.0	0.01	0.00	0.00
	156	-246.5	880.6	0.0	-0.01	0.00	0.00
36	155	188.8	858.1	129.6	0.01	0.00	0.00
	156	-188.8	858.1	129.6	-0.01	0.00	0.00
37	155	117.8	318.2	0.0	0.01	0.00	0.00
	156	-117.8	318.2	0.0	-0.01	0.00	0.00
38	155	129.0	-86.6	-97.2	0.00	0.00	0.00
	156	-129.0	-86.6	-97.2	-0.00	0.00	0.00
39	155	182.0	318.2	0.0	0.01	0.00	0.00
	156	-182.0	318.2	0.0	-0.01	0.00	0.00
40	155	-7840.7	318.2	0.0	0.00	0.00	0.00
	156	7840.7	318.2	0.0	-0.00	0.00	0.00
41	155	8152.5	318.2	0.0	0.01	0.00	0.00
	156	-8152.5	318.2	0.0	-0.01	0.00	0.00
42	155	337.2	1442.9	0.0	0.02	0.00	0.00
	156	-337.2	1442.9	0.0	-0.02	0.00	0.00
43	155	-117.4	1442.9	0.0	0.02	0.00	0.00
	156	117.4	1442.9	0.0	-0.02	0.00	0.00
44	155	140.1	1442.9	0.0	0.02	0.00	0.00
	156	-140.1	1442.9	0.0	-0.02	0.00	0.00
45	155	-189.7	1442.9	0.0	0.02	0.00	0.00
	156	189.7	1442.9	0.0	-0.02	0.00	0.00
46	155	5.8	1442.9	0.0	0.02	0.00	0.00
	156	-5.8	1442.9	0.0	-0.02	0.00	0.00
47	155	534.3	1442.9	0.0	0.02	0.00	0.00
	156	-534.3	1442.9	0.0	-0.02	0.00	0.00
48	155	791.8	1442.9	0.0	0.02	0.00	0.00
	156	-791.8	1442.9	0.0	-0.02	0.00	0.00
49	155	668.6	1442.9	0.0	0.02	0.00	0.00
	156	-668.6	1442.9	0.0	-0.02	0.00	0.00
50	155	864.1	1442.9	0.0	0.02	0.00	0.00
	156	-864.1	1442.9	0.0	-0.02	0.00	0.00
51	155	-214.9	318.2	0.0	0.00	0.00	0.00
	156	214.9	318.2	0.0	-0.00	0.00	0.00
52	155	-6.3	318.2	0.0	0.00	0.00	0.00
	156	6.3	318.2	0.0	-0.00	0.00	0.00
53	155	-271.7	318.2	0.0	0.01	0.00	0.00
	156	271.7	318.2	0.0	-0.01	0.00	0.00
54	155	-111.8	318.2	0.0	0.01	0.00	0.00
	156	111.8	318.2	0.0	-0.01	0.00	0.00
55	155	318.1	318.2	0.0	0.01	0.00	0.00
	156	-318.1	318.2	0.0	-0.01	0.00	0.00
56	155	526.7	318.2	0.0	0.01	0.00	0.00
	156	-526.7	318.2	0.0	-0.01	0.00	0.00
57	155	423.6	318.2	0.0	0.00	0.00	0.00
	156	-423.6	318.2	0.0	-0.00	0.00	0.00
58	155	583.4	318.2	0.0	0.00	0.00	0.00
	156	-583.4	318.2	0.0	-0.00	0.00	0.00
1	156	206.6	465.4	0.0	0.00	0.00	0.00

	157	-206.6	465.4	0.0	-0.00	0.00	0.00
2	156	487.5	2153.5	0.0	0.01	0.00	0.00
	157	-487.5	2153.5	0.0	-0.01	0.00	0.00
3	156	-11555.4	2963.7	194.5	0.02	0.00	0.00
	157	11555.4	2963.7	194.5	-0.02	0.00	0.00
4	156	-11651.3	2153.5	0.0	0.01	0.00	0.00
	157	11651.3	2153.5	0.0	-0.01	0.00	0.00
5	156	-11637.2	1545.8	-145.8	0.01	0.00	0.00
	157	11637.2	1545.8	-145.8	-0.01	0.00	0.00
6	156	-11566.0	2153.5	0.0	0.01	0.00	0.00
	157	11566.0	2153.5	0.0	-0.01	0.00	0.00
7	156	12620.4	2963.7	194.5	0.02	0.00	0.00
	157	-12620.4	2963.7	194.5	-0.02	0.00	0.00
8	156	12524.6	2153.5	0.0	0.01	0.00	0.00
	157	-12524.6	2153.5	0.0	-0.01	0.00	0.00
9	156	12538.7	1545.8	-145.8	0.01	0.00	0.00
	157	-12538.7	1545.8	-145.8	-0.01	0.00	0.00
10	156	12609.8	2153.5	0.0	0.01	0.00	0.00
	157	-12609.8	2153.5	0.0	-0.01	0.00	0.00
11	156	-11665.9	2659.9	324.1	0.02	0.00	0.00
	157	11665.9	2659.9	324.1	-0.02	0.00	0.00
12	156	12509.9	2659.9	324.1	0.02	0.00	0.00
	157	-12509.9	2659.9	324.1	-0.02	0.00	0.00
13	156	-11825.7	1309.4	0.0	0.01	0.00	0.00
	157	11825.7	1309.4	0.0	-0.01	0.00	0.00
14	156	12350.2	1309.4	0.0	0.01	0.00	0.00
	157	-12350.2	1309.4	0.0	-0.01	0.00	0.00
15	156	-11802.2	296.6	-243.1	0.00	0.00	0.00
	157	11802.2	296.6	-243.1	-0.00	0.00	0.00
16	156	12373.7	296.6	-243.1	0.00	0.00	0.00
	157	-12373.7	296.6	-243.1	-0.00	0.00	0.00
17	156	-11683.6	1309.4	0.0	0.01	0.00	0.00
	157	11683.6	1309.4	0.0	-0.01	0.00	0.00
18	156	12492.3	1309.4	0.0	0.01	0.00	0.00
	157	-12492.3	1309.4	0.0	-0.01	0.00	0.00
19	156	-19754.5	2119.7	194.5	0.02	0.00	0.00
	157	19754.5	2119.7	194.5	-0.02	0.00	0.00
20	156	20538.5	2119.7	194.5	0.01	0.00	0.00
	157	-20538.5	2119.7	194.5	-0.01	0.00	0.00
21	156	-19850.4	1309.4	0.0	0.01	0.00	0.00
	157	19850.4	1309.4	0.0	-0.01	0.00	0.00
22	156	20442.7	1309.4	0.0	0.01	0.00	0.00
	157	-20442.7	1309.4	0.0	-0.01	0.00	0.00
23	156	-19836.3	701.7	-145.8	0.01	0.00	0.00
	157	19836.3	701.7	-145.8	-0.01	0.00	0.00
24	156	20456.8	701.7	-145.8	0.01	0.00	0.00
	157	-20456.8	701.7	-145.8	-0.01	0.00	0.00
25	156	-19765.1	1309.4	0.0	0.01	0.00	0.00
	157	19765.1	1309.4	0.0	-0.01	0.00	0.00
26	156	20528.0	1309.4	0.0	0.01	0.00	0.00
	157	-20528.0	1309.4	0.0	-0.01	0.00	0.00
27	156	528.2	1443.8	0.0	0.01	0.00	0.00
	157	-528.2	1443.8	0.0	-0.01	0.00	0.00
28	156	714.6	1443.8	0.0	0.01	0.00	0.00
	157	-714.6	1443.8	0.0	-0.01	0.00	0.00
29	156	113.2	1443.8	0.0	0.01	0.00	0.00

	157	-113.2	1443.8	0.0	-0.01	0.00	0.00
30	156	254.4	1443.8	0.0	0.01	0.00	0.00
	157	-254.4	1443.8	0.0	-0.01	0.00	0.00
31	156	-36.4	1443.8	0.0	0.01	0.00	0.00
	157	36.4	1443.8	0.0	-0.01	0.00	0.00
32	156	150.0	1443.8	0.0	0.01	0.00	0.00
	157	-150.0	1443.8	0.0	-0.01	0.00	0.00
33	156	734.4	1443.8	0.0	0.01	0.00	0.00
	157	-734.4	1443.8	0.0	-0.01	0.00	0.00
34	156	565.0	1443.8	0.0	0.01	0.00	0.00
	157	-565.0	1443.8	0.0	-0.01	0.00	0.00
35	156	245.4	881.1	0.0	0.01	0.00	0.00
	157	-245.4	881.1	0.0	-0.01	0.00	0.00
36	156	181.8	858.6	129.6	0.01	0.00	0.00
	157	-181.8	858.6	129.6	-0.01	0.00	0.00
37	156	117.9	318.5	0.0	0.00	0.00	0.00
	157	-117.9	318.5	0.0	-0.00	0.00	0.00
38	156	127.3	-86.7	-97.2	0.00	0.00	0.00
	157	-127.3	-86.7	-97.2	-0.00	0.00	0.00
39	156	174.7	318.5	0.0	0.00	0.00	0.00
	157	-174.7	318.5	0.0	-0.00	0.00	0.00
40	156	-7906.8	318.5	0.0	0.00	0.00	0.00
	157	7906.8	318.5	0.0	-0.00	0.00	0.00
41	156	8210.4	318.5	0.0	0.00	0.00	0.00
	157	-8210.4	318.5	0.0	-0.00	0.00	0.00
42	156	339.1	1443.8	0.0	0.01	0.00	0.00
	157	-339.1	1443.8	0.0	-0.01	0.00	0.00
43	156	514.6	1443.8	0.0	0.01	0.00	0.00
	157	-514.6	1443.8	0.0	-0.01	0.00	0.00
44	156	706.0	1443.8	0.0	0.01	0.00	0.00
	157	-706.0	1443.8	0.0	-0.01	0.00	0.00
45	156	101.6	1443.8	0.0	0.01	0.00	0.00
	157	-101.6	1443.8	0.0	-0.01	0.00	0.00
46	156	-61.1	1443.8	0.0	0.01	0.00	0.00
	157	61.1	1443.8	0.0	-0.01	0.00	0.00
47	156	-27.8	1443.8	0.0	0.01	0.00	0.00
	157	27.8	1443.8	0.0	-0.01	0.00	0.00
48	156	163.6	1443.8	0.0	0.01	0.00	0.00
	157	-163.6	1443.8	0.0	-0.01	0.00	0.00
49	156	739.3	1443.8	0.0	0.01	0.00	0.00
	157	-739.3	1443.8	0.0	-0.01	0.00	0.00
50	156	576.6	1443.8	0.0	0.01	0.00	0.00
	157	-576.6	1443.8	0.0	-0.01	0.00	0.00
51	156	295.7	318.5	0.0	0.00	0.00	0.00
	157	-295.7	318.5	0.0	-0.00	0.00	0.00
52	156	450.7	318.5	0.0	0.00	0.00	0.00
	157	-450.7	318.5	0.0	-0.00	0.00	0.00
53	156	-40.1	318.5	0.0	0.00	0.00	0.00
	157	40.1	318.5	0.0	-0.00	0.00	0.00
54	156	-172.9	318.5	0.0	0.00	0.00	0.00
	157	172.9	318.5	0.0	-0.00	0.00	0.00
55	156	-147.1	318.5	0.0	0.00	0.00	0.00
	157	147.1	318.5	0.0	-0.00	0.00	0.00
56	156	7.8	318.5	0.0	0.00	0.00	0.00
	157	-7.8	318.5	0.0	-0.00	0.00	0.00
57	156	476.5	318.5	0.0	0.00	0.00	0.00

	157	-476.5	318.5	0.0	-0.00	0.00	0.00
58	156	343.7	318.5	0.0	0.00	0.00	0.00
	157	-343.7	318.5	0.0	-0.00	0.00	0.00
1	157	201.9	465.4	0.0	-0.00	0.00	0.00
	158	-201.9	465.4	0.0	0.00	0.00	0.00
2	157	486.8	2153.5	0.0	-0.01	0.00	0.00
	158	-486.8	2153.5	0.0	0.01	0.00	0.00
3	157	-11513.7	2963.7	194.5	-0.02	0.00	0.00
	158	11513.7	2963.7	194.5	0.02	0.00	0.00
4	157	-11606.2	2153.5	0.0	-0.01	0.00	0.00
	158	11606.2	2153.5	0.0	0.01	0.00	0.00
5	157	-11597.8	1545.8	-145.8	-0.01	0.00	0.00
	158	11597.8	1545.8	-145.8	0.01	0.00	0.00
6	157	-11529.2	2153.5	0.0	-0.01	0.00	0.00
	158	11529.2	2153.5	0.0	0.01	0.00	0.00
7	157	12579.8	2963.7	194.5	-0.02	0.00	0.00
	158	-12579.8	2963.7	194.5	0.02	0.00	0.00
8	157	12487.3	2153.5	0.0	-0.01	0.00	0.00
	158	-12487.3	2153.5	0.0	0.01	0.00	0.00
9	157	12495.7	1545.8	-145.8	-0.01	0.00	0.00
	158	-12495.7	1545.8	-145.8	0.01	0.00	0.00
10	157	12564.3	2153.5	0.0	-0.01	0.00	0.00
	158	-12564.3	2153.5	0.0	0.01	0.00	0.00
11	157	-11625.3	2659.9	324.1	-0.02	0.00	0.00
	158	11625.3	2659.9	324.1	0.02	0.00	0.00
12	157	12468.2	2659.9	324.1	-0.02	0.00	0.00
	158	-12468.2	2659.9	324.1	0.02	0.00	0.00
13	157	-11779.5	1309.4	0.0	-0.01	0.00	0.00
	158	11779.5	1309.4	0.0	0.01	0.00	0.00
14	157	12314.0	1309.4	0.0	-0.01	0.00	0.00
	158	-12314.0	1309.4	0.0	0.01	0.00	0.00
15	157	-11765.5	296.6	-243.1	-0.00	0.00	0.00
	158	11765.5	296.6	-243.1	0.00	0.00	0.00
16	157	12328.0	296.6	-243.1	-0.00	0.00	0.00
	158	-12328.0	296.6	-243.1	0.00	0.00	0.00
17	157	-11651.2	1309.4	0.0	-0.01	0.00	0.00
	158	11651.2	1309.4	0.0	0.01	0.00	0.00
18	157	12442.3	1309.4	0.0	-0.01	0.00	0.00
	158	-12442.3	1309.4	0.0	0.01	0.00	0.00
19	157	-19687.3	2119.7	194.5	-0.01	0.00	0.00
	158	19687.3	2119.7	194.5	0.01	0.00	0.00
20	157	20468.5	2119.7	194.5	-0.01	0.00	0.00
	158	-20468.5	2119.7	194.5	0.01	0.00	0.00
21	157	-19779.8	1309.4	0.0	-0.01	0.00	0.00
	158	19779.8	1309.4	0.0	0.01	0.00	0.00
22	157	20376.0	1309.4	0.0	-0.01	0.00	0.00
	158	-20376.0	1309.4	0.0	0.01	0.00	0.00
23	157	-19771.4	701.7	-145.8	-0.01	0.00	0.00
	158	19771.4	701.7	-145.8	0.01	0.00	0.00
24	157	20384.4	701.7	-145.8	-0.00	0.00	0.00
	158	-20384.4	701.7	-145.8	0.00	0.00	0.00
25	157	-19702.8	1309.4	0.0	-0.01	0.00	0.00
	158	19702.8	1309.4	0.0	0.01	0.00	0.00
26	157	20453.0	1309.4	0.0	-0.01	0.00	0.00
	158	-20453.0	1309.4	0.0	0.01	0.00	0.00

	157	533.9	1443.8	0.0	-0.01	0.00	0.00
	158	-533.9	1443.8	0.0	0.01	0.00	0.00
28	157	648.9	1443.8	0.0	-0.01	0.00	0.00
	158	-648.9	1443.8	0.0	0.01	0.00	0.00
29	157	222.5	1443.8	0.0	-0.01	0.00	0.00
	158	-222.5	1443.8	0.0	0.01	0.00	0.00
30	157	262.2	1443.8	0.0	-0.01	0.00	0.00
	158	-262.2	1443.8	0.0	0.01	0.00	0.00
31	157	27.5	1443.8	0.0	-0.01	0.00	0.00
	158	-27.5	1443.8	0.0	0.01	0.00	0.00
32	157	142.5	1443.8	0.0	-0.01	0.00	0.00
	158	-142.5	1443.8	0.0	0.01	0.00	0.00
33	157	605.9	1443.8	0.0	-0.01	0.00	0.00
	158	-605.9	1443.8	0.0	0.01	0.00	0.00
34	157	454.0	1443.8	0.0	-0.01	0.00	0.00
	158	-454.0	1443.8	0.0	0.01	0.00	0.00
35	157	243.3	881.1	0.0	-0.01	0.00	0.00
	158	-243.3	881.1	0.0	0.01	0.00	0.00
36	157	179.1	858.6	129.6	-0.01	0.00	0.00
	158	-179.1	858.6	129.6	0.01	0.00	0.00
37	157	117.5	318.5	0.0	-0.00	0.00	0.00
	158	-117.5	318.5	0.0	0.00	0.00	0.00
38	157	123.1	-86.7	-97.2	-0.00	0.00	0.00
	158	-123.1	-86.7	-97.2	0.00	0.00	0.00
39	157	168.8	318.5	0.0	-0.00	0.00	0.00
	158	-168.8	318.5	0.0	0.00	0.00	0.00
40	157	-7882.9	318.5	0.0	-0.00	0.00	0.00
	158	7882.9	318.5	0.0	0.00	0.00	0.00
41	157	8179.5	318.5	0.0	-0.00	0.00	0.00
	158	-8179.5	318.5	0.0	0.00	0.00	0.00
42	157	338.2	1443.8	0.0	-0.01	0.00	0.00
	158	-338.2	1443.8	0.0	0.01	0.00	0.00
43	157	519.2	1443.8	0.0	-0.01	0.00	0.00
	158	-519.2	1443.8	0.0	0.01	0.00	0.00
44	157	634.9	1443.8	0.0	-0.01	0.00	0.00
	158	-634.9	1443.8	0.0	0.01	0.00	0.00
45	157	217.1	1443.8	0.0	-0.01	0.00	0.00
	158	-217.1	1443.8	0.0	0.01	0.00	0.00
46	157	73.8	1443.8	0.0	-0.01	0.00	0.00
	158	-73.8	1443.8	0.0	0.01	0.00	0.00
47	157	41.5	1443.8	0.0	-0.01	0.00	0.00
	158	-41.5	1443.8	0.0	0.01	0.00	0.00
48	157	157.2	1443.8	0.0	-0.01	0.00	0.00
	158	-157.2	1443.8	0.0	0.01	0.00	0.00
49	157	602.7	1443.8	0.0	-0.01	0.00	0.00
	158	-602.7	1443.8	0.0	0.01	0.00	0.00
50	157	459.3	1443.8	0.0	-0.01	0.00	0.00
	158	-459.3	1443.8	0.0	0.01	0.00	0.00
51	157	296.2	318.5	0.0	-0.00	0.00	0.00
	158	-296.2	318.5	0.0	0.00	0.00	0.00
52	157	390.0	318.5	0.0	-0.00	0.00	0.00
	158	-390.0	318.5	0.0	0.00	0.00	0.00
53	157	50.3	318.5	0.0	-0.00	0.00	0.00
	158	-50.3	318.5	0.0	0.00	0.00	0.00
54	157	-66.6	318.5	0.0	-0.00	0.00	0.00
	158	66.6	318.5	0.0	0.00	0.00	0.00

	157	-93.4	318.5	0.0	-0.00	0.00	0.00
	158	93.4	318.5	0.0	0.00	0.00	0.00
56	157	0.4	318.5	0.0	-0.00	0.00	0.00
	158	-0.4	318.5	0.0	0.00	0.00	0.00
57	157	363.2	318.5	0.0	-0.00	0.00	0.00
	158	-363.2	318.5	0.0	0.00	0.00	0.00
58	157	246.3	318.5	0.0	-0.00	0.00	0.00
	158	-246.3	318.5	0.0	0.00	0.00	0.00
1	158	194.0	465.1	0.0	-0.01	0.00	0.00
	159	-194.0	465.1	0.0	0.01	0.00	0.00
2	158	477.3	2152.1	0.0	-0.03	0.00	0.00
	159	-477.3	2152.1	0.0	0.03	0.00	0.00
3	158	-11341.3	2961.8	194.3	-0.04	0.00	0.00
	159	11341.3	2961.8	194.3	0.04	0.00	0.00
4	158	-11435.5	2152.1	0.0	-0.03	0.00	0.00
	159	11435.5	2152.1	0.0	0.03	0.00	0.00
5	158	-11437.9	1544.8	-145.8	-0.02	0.00	0.00
	159	11437.9	1544.8	-145.8	0.02	0.00	0.00
6	158	-11368.2	2152.1	0.0	-0.03	0.00	0.00
	159	11368.2	2152.1	0.0	0.03	0.00	0.00
7	158	12402.2	2961.8	194.3	-0.04	0.00	0.00
	159	-12402.2	2961.8	194.3	0.04	0.00	0.00
8	158	12308.0	2152.1	0.0	-0.03	0.00	0.00
	159	-12308.0	2152.1	0.0	0.03	0.00	0.00
9	158	12305.6	1544.8	-145.8	-0.02	0.00	0.00
	159	-12305.6	1544.8	-145.8	0.02	0.00	0.00
10	158	12375.3	2152.1	0.0	-0.03	0.00	0.00
	159	-12375.3	2152.1	0.0	0.03	0.00	0.00
11	158	-11447.5	2658.2	323.9	-0.03	0.00	0.00
	159	11447.5	2658.2	323.9	0.03	0.00	0.00
12	158	12296.0	2658.2	323.9	-0.03	0.00	0.00
	159	-12296.0	2658.2	323.9	0.03	0.00	0.00
13	158	-11604.5	1308.6	0.0	-0.02	0.00	0.00
	159	11604.5	1308.6	0.0	0.02	0.00	0.00
14	158	12139.0	1308.6	0.0	-0.02	0.00	0.00
	159	-12139.0	1308.6	0.0	0.02	0.00	0.00
15	158	-11608.5	296.4	-242.9	-0.00	0.00	0.00
	159	11608.5	296.4	-242.9	0.00	0.00	0.00
16	158	12135.0	296.4	-242.9	-0.01	0.00	0.00
	159	-12135.0	296.4	-242.9	0.01	0.00	0.00
17	158	-11492.3	1308.6	0.0	-0.02	0.00	0.00
	159	11492.3	1308.6	0.0	0.02	0.00	0.00
18	158	12251.1	1308.6	0.0	-0.02	0.00	0.00
	159	-12251.1	1308.6	0.0	0.02	0.00	0.00
19	158	-19397.4	2118.3	194.3	-0.03	0.00	0.00
	159	19397.4	2118.3	194.3	0.03	0.00	0.00
20	158	20175.0	2118.3	194.3	-0.03	0.00	0.00
	159	-20175.0	2118.3	194.3	0.03	0.00	0.00
21	158	-19491.6	1308.6	0.0	-0.02	0.00	0.00
	159	19491.6	1308.6	0.0	0.02	0.00	0.00
22	158	20080.8	1308.6	0.0	-0.02	0.00	0.00
	159	-20080.8	1308.6	0.0	0.02	0.00	0.00
23	158	-19494.0	701.3	-145.8	-0.01	0.00	0.00
	159	19494.0	701.3	-145.8	0.01	0.00	0.00
24	158	20078.4	701.3	-145.8	-0.01	0.00	0.00

	159	-20078.4	701.3	-145.8	0.01	0.00	0.00
25	158	-19424.3	1308.6	0.0	-0.02	0.00	0.00
	159	19424.3	1308.6	0.0	0.02	0.00	0.00
26	158	20148.1	1308.6	0.0	-0.02	0.00	0.00
	159	-20148.1	1308.6	0.0	0.02	0.00	0.00
27	158	530.6	1442.9	0.0	-0.02	0.00	0.00
	159	-530.6	1442.9	0.0	0.02	0.00	0.00
28	158	597.2	1442.9	0.0	-0.02	0.00	0.00
	159	-597.2	1442.9	0.0	0.02	0.00	0.00
29	158	290.1	1442.9	0.0	-0.02	0.00	0.00
	159	-290.1	1442.9	0.0	0.02	0.00	0.00
30	158	261.6	1442.9	0.0	-0.02	0.00	0.00
	159	-261.6	1442.9	0.0	0.02	0.00	0.00
31	158	65.5	1442.9	0.0	-0.02	0.00	0.00
	159	-65.5	1442.9	0.0	0.02	0.00	0.00
32	158	132.1	1442.9	0.0	-0.02	0.00	0.00
	159	-132.1	1442.9	0.0	0.02	0.00	0.00
33	158	512.1	1442.9	0.0	-0.02	0.00	0.00
	159	-512.1	1442.9	0.0	0.02	0.00	0.00
34	158	372.5	1442.9	0.0	-0.02	0.00	0.00
	159	-372.5	1442.9	0.0	0.02	0.00	0.00
35	158	236.9	880.6	0.0	-0.01	0.00	0.00
	159	-236.9	880.6	0.0	0.01	0.00	0.00
36	158	177.9	858.1	129.6	-0.01	0.00	0.00
	159	-177.9	858.1	129.6	0.01	0.00	0.00
37	158	115.1	318.2	0.0	-0.01	0.00	0.00
	159	-115.1	318.2	0.0	0.01	0.00	0.00
38	158	113.5	-86.6	-97.2	-0.00	0.00	0.00
	159	-113.5	-86.6	-97.2	0.00	0.00	0.00
39	158	159.9	318.2	0.0	-0.01	0.00	0.00
	159	-159.9	318.2	0.0	0.01	0.00	0.00
40	158	-7772.1	318.2	0.0	-0.01	0.00	0.00
	159	7772.1	318.2	0.0	0.01	0.00	0.00
41	158	8056.9	318.2	0.0	-0.01	0.00	0.00
	159	-8056.9	318.2	0.0	0.01	0.00	0.00
42	158	331.3	1442.9	0.0	-0.02	0.00	0.00
	159	-331.3	1442.9	0.0	0.02	0.00	0.00
43	158	517.3	1442.9	0.0	-0.02	0.00	0.00
	159	-517.3	1442.9	0.0	0.02	0.00	0.00
44	158	577.2	1442.9	0.0	-0.02	0.00	0.00
	159	-577.2	1442.9	0.0	0.02	0.00	0.00
45	158	296.3	1442.9	0.0	-0.02	0.00	0.00
	159	-296.3	1442.9	0.0	0.02	0.00	0.00
46	158	166.8	1442.9	0.0	-0.02	0.00	0.00
	159	-166.8	1442.9	0.0	0.02	0.00	0.00
47	158	85.4	1442.9	0.0	-0.02	0.00	0.00
	159	-85.4	1442.9	0.0	0.02	0.00	0.00
48	158	145.3	1442.9	0.0	-0.02	0.00	0.00
	159	-145.3	1442.9	0.0	0.02	0.00	0.00
49	158	495.9	1442.9	0.0	-0.02	0.00	0.00
	159	-495.9	1442.9	0.0	0.02	0.00	0.00
50	158	366.3	1442.9	0.0	-0.02	0.00	0.00
	159	-366.3	1442.9	0.0	0.02	0.00	0.00
51	158	294.0	318.2	0.0	-0.00	0.00	0.00
	159	-294.0	318.2	0.0	0.00	0.00	0.00
52	158	342.7	318.2	0.0	-0.00	0.00	0.00

	159	-342.7	318.2	0.0	0.00	0.00	0.00
53	158	114.0	318.2	0.0	-0.00	0.00	0.00
	159	-114.0	318.2	0.0	0.00	0.00	0.00
54	158	8.4	318.2	0.0	-0.00	0.00	0.00
	159	-8.4	318.2	0.0	0.00	0.00	0.00
55	158	-57.9	318.2	0.0	-0.01	0.00	0.00
	159	57.9	318.2	0.0	0.01	0.00	0.00
56	158	-9.2	318.2	0.0	-0.01	0.00	0.00
	159	9.2	318.2	0.0	0.01	0.00	0.00
57	158	276.4	318.2	0.0	-0.01	0.00	0.00
	159	-276.4	318.2	0.0	0.01	0.00	0.00
58	158	170.8	318.2	0.0	-0.01	0.00	0.00
	159	-170.8	318.2	0.0	0.01	0.00	0.00
1	159	486.8	465.1	0.0	0.01	0.00	0.00
	160	-486.8	465.1	0.0	-0.01	0.00	0.00
2	159	1083.2	2152.1	0.0	0.02	0.00	0.00
	160	-1083.2	2152.1	0.0	-0.02	0.00	0.00
3	159	-8131.4	2961.8	194.3	0.03	0.00	0.00
	160	8131.4	2961.8	194.3	-0.03	0.00	0.00
4	159	-8181.8	2152.1	0.0	0.02	0.00	0.00
	160	8181.8	2152.1	0.0	-0.02	0.00	0.00
5	159	-8301.3	1544.8	-145.8	0.02	0.00	0.00
	160	8301.3	1544.8	-145.8	-0.02	0.00	0.00
6	159	-8237.8	2152.1	0.0	0.02	0.00	0.00
	160	8237.8	2152.1	0.0	-0.02	0.00	0.00
7	159	10468.1	2961.8	194.3	0.03	0.00	0.00
	160	-10468.1	2961.8	194.3	-0.03	0.00	0.00
8	159	10417.7	2152.1	0.0	0.02	0.00	0.00
	160	-10417.7	2152.1	0.0	-0.02	0.00	0.00
9	159	10298.2	1544.8	-145.8	0.01	0.00	0.00
	160	-10298.2	1544.8	-145.8	-0.01	0.00	0.00
10	159	10361.6	2152.1	0.0	0.02	0.00	0.00
	160	-10361.6	2152.1	0.0	-0.02	0.00	0.00
11	159	-8372.8	2658.2	323.9	0.03	0.00	0.00
	160	8372.8	2658.2	323.9	-0.03	0.00	0.00
12	159	10226.7	2658.2	323.9	0.02	0.00	0.00
	160	-10226.7	2658.2	323.9	-0.02	0.00	0.00
13	159	-8456.8	1308.6	0.0	0.01	0.00	0.00
	160	8456.8	1308.6	0.0	-0.01	0.00	0.00
14	159	10142.7	1308.6	0.0	0.01	0.00	0.00
	160	-10142.7	1308.6	0.0	-0.01	0.00	0.00
15	159	-8656.1	296.4	-242.9	0.00	0.00	0.00
	160	8656.1	296.4	-242.9	-0.00	0.00	0.00
16	159	9943.4	296.4	-242.9	0.00	0.00	0.00
	160	-9943.4	296.4	-242.9	-0.00	0.00	0.00
17	159	-8550.2	1308.6	0.0	0.01	0.00	0.00
	160	8550.2	1308.6	0.0	-0.01	0.00	0.00
18	159	10049.2	1308.6	0.0	0.01	0.00	0.00
	160	-10049.2	1308.6	0.0	-0.01	0.00	0.00
19	159	-14629.4	2118.3	194.3	0.02	0.00	0.00
	160	14629.4	2118.3	194.3	-0.02	0.00	0.00
20	159	16369.7	2118.3	194.3	0.02	0.00	0.00
	160	-16369.7	2118.3	194.3	-0.02	0.00	0.00
21	159	-14679.8	1308.6	0.0	0.01	0.00	0.00
	160	14679.8	1308.6	0.0	-0.01	0.00	0.00

	159	16319.4	1308.6	0.0	0.01	0.00	0.00
	160	-16319.4	1308.6	0.0	-0.01	0.00	0.00
23	159	-14799.4	701.3	-145.8	0.01	0.00	0.00
	160	14799.4	701.3	-145.8	-0.01	0.00	0.00
24	159	16199.8	701.3	-145.8	0.00	0.00	0.00
	160	-16199.8	701.3	-145.8	-0.00	0.00	0.00
25	159	-14735.9	1308.6	0.0	0.01	0.00	0.00
	160	14735.9	1308.6	0.0	-0.01	0.00	0.00
26	159	16263.3	1308.6	0.0	0.01	0.00	0.00
	160	-16263.3	1308.6	0.0	-0.01	0.00	0.00
27	159	983.0	1442.9	0.0	0.01	0.00	0.00
	160	-983.0	1442.9	0.0	-0.01	0.00	0.00
28	159	1296.9	1442.9	0.0	0.01	0.00	0.00
	160	-1296.9	1442.9	0.0	-0.01	0.00	0.00
29	159	350.3	1442.9	0.0	0.01	0.00	0.00
	160	-350.3	1442.9	0.0	-0.01	0.00	0.00
30	159	645.0	1442.9	0.0	0.01	0.00	0.00
	160	-645.0	1442.9	0.0	-0.01	0.00	0.00
31	159	221.6	1442.9	0.0	0.02	0.00	0.00
	160	-221.6	1442.9	0.0	-0.02	0.00	0.00
32	159	535.5	1442.9	0.0	0.01	0.00	0.00
	160	-535.5	1442.9	0.0	-0.01	0.00	0.00
33	159	1396.6	1442.9	0.0	0.01	0.00	0.00
	160	-1396.6	1442.9	0.0	-0.01	0.00	0.00
34	159	1168.2	1442.9	0.0	0.01	0.00	0.00
	160	-1168.2	1442.9	0.0	-0.01	0.00	0.00
35	159	560.4	880.6	0.0	0.01	0.00	0.00
	160	-560.4	880.6	0.0	-0.01	0.00	0.00
36	159	418.4	858.1	129.6	0.01	0.00	0.00
	160	-418.4	858.1	129.6	-0.01	0.00	0.00
37	159	384.8	318.2	0.0	0.00	0.00	0.00
	160	-384.8	318.2	0.0	-0.00	0.00	0.00
38	159	305.1	-86.6	-97.2	-0.00	0.00	0.00
	160	-305.1	-86.6	-97.2	0.00	0.00	0.00
39	159	347.4	318.2	0.0	0.00	0.00	0.00
	160	-347.4	318.2	0.0	-0.00	0.00	0.00
40	159	-5838.2	318.2	0.0	0.00	0.00	0.00
	160	5838.2	318.2	0.0	-0.00	0.00	0.00
41	159	6561.5	318.2	0.0	0.00	0.00	0.00
	160	-6561.5	318.2	0.0	-0.00	0.00	0.00
42	159	759.2	1442.9	0.0	0.01	0.00	0.00
	160	-759.2	1442.9	0.0	-0.01	0.00	0.00
43	159	956.7	1442.9	0.0	0.01	0.00	0.00
	160	-956.7	1442.9	0.0	-0.01	0.00	0.00
44	159	1281.7	1442.9	0.0	0.01	0.00	0.00
	160	-1281.7	1442.9	0.0	-0.01	0.00	0.00
45	159	325.7	1442.9	0.0	0.02	0.00	0.00
	160	-325.7	1442.9	0.0	-0.02	0.00	0.00
46	159	109.7	1442.9	0.0	0.02	0.00	0.00
	160	-109.7	1442.9	0.0	-0.02	0.00	0.00
47	159	236.8	1442.9	0.0	0.02	0.00	0.00
	160	-236.8	1442.9	0.0	-0.02	0.00	0.00
48	159	561.7	1442.9	0.0	0.01	0.00	0.00
	160	-561.7	1442.9	0.0	-0.01	0.00	0.00
49	159	1408.8	1442.9	0.0	0.01	0.00	0.00
	160	-1408.8	1442.9	0.0	-0.01	0.00	0.00

	159	1192.8	1442.9	0.0	0.01	0.00	0.00
	160	-1192.8	1442.9	0.0	-0.01	0.00	0.00
51	159	523.4	318.2	0.0	0.00	0.00	0.00
	160	-523.4	318.2	0.0	-0.00	0.00	0.00
52	159	785.6	318.2	0.0	0.00	0.00	0.00
	160	-785.6	318.2	0.0	-0.00	0.00	0.00
53	159	12.6	318.2	0.0	0.00	0.00	0.00
	160	-12.6	318.2	0.0	-0.00	0.00	0.00
54	159	-163.1	318.2	0.0	0.01	0.00	0.00
	160	163.1	318.2	0.0	-0.01	0.00	0.00
55	159	-62.3	318.2	0.0	0.01	0.00	0.00
	160	62.3	318.2	0.0	-0.01	0.00	0.00
56	159	199.8	318.2	0.0	0.00	0.00	0.00
	160	-199.8	318.2	0.0	-0.00	0.00	0.00
57	159	886.3	318.2	0.0	0.00	0.00	0.00
	160	-886.3	318.2	0.0	-0.00	0.00	0.00
58	159	710.6	318.2	0.0	0.00	0.00	0.00
	160	-710.6	318.2	0.0	-0.00	0.00	0.00
1	160	499.7	465.4	-0.0	0.00	0.00	0.00
	161	-499.7	465.4	-0.0	-0.00	0.00	0.00
2	160	1111.2	2153.5	-0.0	0.01	0.00	0.00
	161	-1111.2	2153.5	-0.0	-0.01	0.00	0.00
3	160	-8084.4	2963.7	194.5	0.02	0.00	0.00
	161	8084.4	2963.7	194.5	-0.02	0.00	0.00
4	160	-8118.9	2153.5	-0.0	0.01	0.00	0.00
	161	8118.9	2153.5	-0.0	-0.01	0.00	0.00
5	160	-8240.6	1545.8	-145.8	0.01	0.00	0.00
	161	8240.6	1545.8	-145.8	-0.01	0.00	0.00
6	160	-8187.0	2153.5	-0.0	0.01	0.00	0.00
	161	8187.0	2153.5	-0.0	-0.01	0.00	0.00
7	160	10460.5	2963.7	194.5	0.01	0.00	0.00
	161	-10460.5	2963.7	194.5	-0.01	0.00	0.00
8	160	10425.9	2153.5	-0.0	0.01	0.00	0.00
	161	-10425.9	2153.5	-0.0	-0.01	0.00	0.00
9	160	10304.2	1545.8	-145.8	0.01	0.00	0.00
	161	-10304.2	1545.8	-145.8	-0.01	0.00	0.00
10	160	10357.8	2153.5	-0.0	0.01	0.00	0.00
	161	-10357.8	2153.5	-0.0	-0.01	0.00	0.00
11	160	-8338.9	2659.9	324.1	0.02	0.00	0.00
	161	8338.9	2659.9	324.1	-0.02	0.00	0.00
12	160	10206.0	2659.9	324.1	0.01	0.00	0.00
	161	-10206.0	2659.9	324.1	-0.01	0.00	0.00
13	160	-8396.4	1309.4	-0.0	0.01	0.00	0.00
	161	8396.4	1309.4	-0.0	-0.01	0.00	0.00
14	160	10148.4	1309.4	-0.0	0.00	0.00	0.00
	161	-10148.4	1309.4	-0.0	-0.00	0.00	0.00
15	160	-8599.3	296.6	-243.1	0.00	0.00	0.00
	161	8599.3	296.6	-243.1	-0.00	0.00	0.00
16	160	9945.5	296.6	-243.1	-0.00	0.00	0.00
	161	-9945.5	296.6	-243.1	0.00	0.00	0.00
17	160	-8510.0	1309.4	-0.0	0.01	0.00	0.00
	161	8510.0	1309.4	-0.0	-0.01	0.00	0.00
18	160	10034.9	1309.4	-0.0	0.00	0.00	0.00
	161	-10034.9	1309.4	-0.0	-0.00	0.00	0.00
19	160	-14571.7	2119.7	194.5	0.02	0.00	0.00

	161	14571.7	2119.7	194.5	-0.02	0.00	0.00
20	160	16336.3	2119.7	194.5	0.01	0.00	0.00
	161	-16336.3	2119.7	194.5	-0.01	0.00	0.00
21	160	-14606.3	1309.4	-0.0	0.01	0.00	0.00
	161	14606.3	1309.4	-0.0	-0.01	0.00	0.00
22	160	16301.8	1309.4	-0.0	0.00	0.00	0.00
	161	-16301.8	1309.4	-0.0	-0.00	0.00	0.00
23	160	-14728.0	701.7	-145.8	0.01	0.00	0.00
	161	14728.0	701.7	-145.8	-0.01	0.00	0.00
24	160	16180.1	701.7	-145.8	-0.00	0.00	0.00
	161	-16180.1	701.7	-145.8	0.00	0.00	0.00
25	160	-14674.4	1309.4	-0.0	0.01	0.00	0.00
	161	14674.4	1309.4	-0.0	-0.01	0.00	0.00
26	160	16233.7	1309.4	-0.0	0.00	0.00	0.00
	161	-16233.7	1309.4	-0.0	-0.00	0.00	0.00
27	160	1032.4	1443.8	-0.0	0.01	0.00	0.00
	161	-1032.4	1443.8	-0.0	-0.01	0.00	0.00
28	160	1279.0	1443.8	-0.0	0.01	0.00	0.00
	161	-1279.0	1443.8	-0.0	-0.01	0.00	0.00
29	160	481.3	1443.8	-0.0	0.01	0.00	0.00
	161	-481.3	1443.8	-0.0	-0.01	0.00	0.00
30	160	666.3	1443.8	-0.0	0.01	0.00	0.00
	161	-666.3	1443.8	-0.0	-0.01	0.00	0.00
31	160	279.5	1443.8	-0.0	0.01	0.00	0.00
	161	-279.5	1443.8	-0.0	-0.01	0.00	0.00
32	160	526.0	1443.8	-0.0	0.01	0.00	0.00
	161	-526.0	1443.8	-0.0	-0.01	0.00	0.00
33	160	1303.1	1443.8	-0.0	0.01	0.00	0.00
	161	-1303.1	1443.8	-0.0	-0.01	0.00	0.00
34	160	1077.2	1443.8	-0.0	0.01	0.00	0.00
	161	-1077.2	1443.8	-0.0	-0.01	0.00	0.00
35	160	575.4	881.1	-0.0	0.00	0.00	0.00
	161	-575.4	881.1	-0.0	-0.00	0.00	0.00
36	160	422.8	858.6	129.6	0.01	0.00	0.00
	161	-422.8	858.6	129.6	-0.01	0.00	0.00
37	160	399.8	318.5	-0.0	0.00	0.00	0.00
	161	-399.8	318.5	-0.0	-0.00	0.00	0.00
38	160	318.6	-86.7	-97.2	-0.00	0.00	0.00
	161	-318.6	-86.7	-97.2	0.00	0.00	0.00
39	160	354.4	318.5	-0.0	0.00	0.00	0.00
	161	-354.4	318.5	-0.0	-0.00	0.00	0.00
40	160	-5810.0	318.5	-0.0	0.00	0.00	0.00
	161	5810.0	318.5	-0.0	-0.00	0.00	0.00
41	160	6553.2	318.5	-0.0	0.00	0.00	0.00
	161	-6553.2	318.5	-0.0	-0.00	0.00	0.00
42	160	779.2	1443.8	-0.0	0.01	0.00	0.00
	161	-779.2	1443.8	-0.0	-0.01	0.00	0.00
43	160	1004.1	1443.8	-0.0	0.01	0.00	0.00
	161	-1004.1	1443.8	-0.0	-0.01	0.00	0.00
44	160	1258.9	1443.8	-0.0	0.01	0.00	0.00
	161	-1258.9	1443.8	-0.0	-0.01	0.00	0.00
45	160	460.3	1443.8	-0.0	0.01	0.00	0.00
	161	-460.3	1443.8	-0.0	-0.01	0.00	0.00
46	160	248.9	1443.8	-0.0	0.01	0.00	0.00
	161	-248.9	1443.8	-0.0	-0.01	0.00	0.00
47	160	299.6	1443.8	-0.0	0.01	0.00	0.00

	161	-299.6	1443.8	-0.0	-0.01	0.00	0.00
48	160	554.4	1443.8	-0.0	0.01	0.00	0.00
	161	-554.4	1443.8	-0.0	-0.01	0.00	0.00
49	160	1309.6	1443.8	-0.0	0.01	0.00	0.00
	161	-1309.6	1443.8	-0.0	-0.01	0.00	0.00
50	160	1098.2	1443.8	-0.0	0.01	0.00	0.00
	161	-1098.2	1443.8	-0.0	-0.01	0.00	0.00
51	160	555.1	318.5	-0.0	0.00	0.00	0.00
	161	-555.1	318.5	-0.0	-0.00	0.00	0.00
52	160	760.5	318.5	-0.0	0.00	0.00	0.00
	161	-760.5	318.5	-0.0	-0.00	0.00	0.00
53	160	115.1	318.5	-0.0	0.00	0.00	0.00
	161	-115.1	318.5	-0.0	-0.00	0.00	0.00
54	160	-56.6	318.5	-0.0	0.00	0.00	0.00
	161	56.6	318.5	-0.0	-0.00	0.00	0.00
55	160	-17.4	318.5	-0.0	0.00	0.00	0.00
	161	17.4	318.5	-0.0	-0.00	0.00	0.00
56	160	188.0	318.5	-0.0	0.00	0.00	0.00
	161	-188.0	318.5	-0.0	-0.00	0.00	0.00
57	160	799.8	318.5	-0.0	0.00	0.00	0.00
	161	-799.8	318.5	-0.0	-0.00	0.00	0.00
58	160	628.0	318.5	-0.0	0.00	0.00	0.00
	161	-628.0	318.5	-0.0	-0.00	0.00	0.00
1	161	508.5	465.4	0.0	-0.00	0.00	0.00
	162	-508.5	465.4	0.0	0.00	0.00	0.00
2	161	1130.5	2153.5	0.0	-0.01	0.00	0.00
	162	-1130.5	2153.5	0.0	0.01	0.00	0.00
3	161	-7877.9	2963.7	194.5	-0.02	0.00	0.00
	162	7877.9	2963.7	194.5	0.02	0.00	0.00
4	161	-7900.5	2153.5	0.0	-0.01	0.00	0.00
	162	7900.5	2153.5	0.0	0.01	0.00	0.00
5	161	-8028.8	1545.8	-145.8	-0.01	0.00	0.00
	162	8028.8	1545.8	-145.8	0.01	0.00	0.00
6	161	-7981.2	2153.5	0.0	-0.01	0.00	0.00
	162	7981.2	2153.5	0.0	0.01	0.00	0.00
7	161	10284.7	2963.7	194.5	-0.02	0.00	0.00
	162	-10284.7	2963.7	194.5	0.02	0.00	0.00
8	161	10262.1	2153.5	0.0	-0.01	0.00	0.00
	162	-10262.1	2153.5	0.0	0.01	0.00	0.00
9	161	10133.7	1545.8	-145.8	-0.01	0.00	0.00
	162	-10133.7	1545.8	-145.8	0.01	0.00	0.00
10	161	10181.4	2153.5	0.0	-0.01	0.00	0.00
	162	-10181.4	2153.5	0.0	0.01	0.00	0.00
11	161	-8140.3	2659.9	324.1	-0.02	0.00	0.00
	162	8140.3	2659.9	324.1	0.02	0.00	0.00
12	161	10022.3	2659.9	324.1	-0.02	0.00	0.00
	162	-10022.3	2659.9	324.1	0.02	0.00	0.00
13	161	-8177.9	1309.4	0.0	-0.01	0.00	0.00
	162	8177.9	1309.4	0.0	0.01	0.00	0.00
14	161	9984.6	1309.4	0.0	-0.01	0.00	0.00
	162	-9984.6	1309.4	0.0	0.01	0.00	0.00
15	161	-8391.8	296.6	-243.1	-0.00	0.00	0.00
	162	8391.8	296.6	-243.1	0.00	0.00	0.00
16	161	9770.7	296.6	-243.1	-0.00	0.00	0.00
	162	-9770.7	296.6	-243.1	0.00	0.00	0.00

	161	-8312.4	1309.4	0.0	-0.01	0.00	0.00
	162	8312.4	1309.4	0.0	0.01	0.00	0.00
18	161	9850.2	1309.4	0.0	-0.01	0.00	0.00
	162	-9850.2	1309.4	0.0	0.01	0.00	0.00
19	161	-14243.1	2119.7	194.5	-0.01	0.00	0.00
	162	14243.1	2119.7	194.5	0.01	0.00	0.00
20	161	16027.9	2119.7	194.5	-0.01	0.00	0.00
	162	-16027.9	2119.7	194.5	0.01	0.00	0.00
21	161	-14265.7	1309.4	0.0	-0.01	0.00	0.00
	162	14265.7	1309.4	0.0	0.01	0.00	0.00
22	161	16005.3	1309.4	0.0	-0.01	0.00	0.00
	162	-16005.3	1309.4	0.0	0.01	0.00	0.00
23	161	-14394.0	701.7	-145.8	-0.00	0.00	0.00
	162	14394.0	701.7	-145.8	0.00	0.00	0.00
24	161	15876.9	701.7	-145.8	-0.01	0.00	0.00
	162	-15876.9	701.7	-145.8	0.01	0.00	0.00
25	161	-14346.3	1309.4	0.0	-0.01	0.00	0.00
	162	14346.3	1309.4	0.0	0.01	0.00	0.00
26	161	15924.6	1309.4	0.0	-0.01	0.00	0.00
	162	-15924.6	1309.4	0.0	0.01	0.00	0.00
27	161	1088.0	1443.8	0.0	-0.01	0.00	0.00
	162	-1088.0	1443.8	0.0	0.01	0.00	0.00
28	161	1260.6	1443.8	0.0	-0.01	0.00	0.00
	162	-1260.6	1443.8	0.0	0.01	0.00	0.00
29	161	619.8	1443.8	0.0	-0.01	0.00	0.00
	162	-619.8	1443.8	0.0	0.01	0.00	0.00
30	161	678.7	1443.8	0.0	-0.01	0.00	0.00
	162	-678.7	1443.8	0.0	0.01	0.00	0.00
31	161	325.6	1443.8	0.0	-0.01	0.00	0.00
	162	-325.6	1443.8	0.0	0.01	0.00	0.00
32	161	498.2	1443.8	0.0	-0.01	0.00	0.00
	162	-498.2	1443.8	0.0	0.01	0.00	0.00
33	161	1195.1	1443.8	0.0	-0.01	0.00	0.00
	162	-1195.1	1443.8	0.0	0.01	0.00	0.00
34	161	966.4	1443.8	0.0	-0.01	0.00	0.00
	162	-966.4	1443.8	0.0	0.01	0.00	0.00
35	161	585.8	881.1	0.0	-0.01	0.00	0.00
	162	-585.8	881.1	0.0	0.01	0.00	0.00
36	161	427.1	858.6	129.6	-0.01	0.00	0.00
	162	-427.1	858.6	129.6	0.01	0.00	0.00
37	161	412.0	318.5	0.0	-0.00	0.00	0.00
	162	-412.0	318.5	0.0	0.00	0.00	0.00
38	161	326.4	-86.7	-97.2	0.00	0.00	0.00
	162	-326.4	-86.7	-97.2	-0.00	0.00	0.00
39	161	358.2	318.5	0.0	-0.00	0.00	0.00
	162	-358.2	318.5	0.0	0.00	0.00	0.00
40	161	-5675.7	318.5	0.0	-0.00	0.00	0.00
	162	5675.7	318.5	0.0	0.00	0.00	0.00
41	161	6432.6	318.5	0.0	-0.00	0.00	0.00
	162	-6432.6	318.5	0.0	0.00	0.00	0.00
42	161	793.1	1443.8	0.0	-0.01	0.00	0.00
	162	-793.1	1443.8	0.0	0.01	0.00	0.00
43	161	1059.7	1443.8	0.0	-0.01	0.00	0.00
	162	-1059.7	1443.8	0.0	0.01	0.00	0.00
44	161	1236.3	1443.8	0.0	-0.01	0.00	0.00
	162	-1236.3	1443.8	0.0	0.01	0.00	0.00

	161	605.4	1443.8	0.0	-0.01	0.00	0.00
	162	-605.4	1443.8	0.0	0.01	0.00	0.00
46	161	392.5	1443.8	0.0	-0.01	0.00	0.00
	162	-392.5	1443.8	0.0	0.01	0.00	0.00
47	161	350.0	1443.8	0.0	-0.01	0.00	0.00
	162	-350.0	1443.8	0.0	0.01	0.00	0.00
48	161	526.5	1443.8	0.0	-0.01	0.00	0.00
	162	-526.5	1443.8	0.0	0.01	0.00	0.00
49	161	1193.8	1443.8	0.0	-0.01	0.00	0.00
	162	-1193.8	1443.8	0.0	0.01	0.00	0.00
50	161	980.8	1443.8	0.0	-0.01	0.00	0.00
	162	-980.8	1443.8	0.0	0.01	0.00	0.00
51	161	595.7	318.5	0.0	-0.00	0.00	0.00
	162	-595.7	318.5	0.0	0.00	0.00	0.00
52	161	738.0	318.5	0.0	-0.00	0.00	0.00
	162	-738.0	318.5	0.0	0.00	0.00	0.00
53	161	227.9	318.5	0.0	-0.00	0.00	0.00
	162	-227.9	318.5	0.0	0.00	0.00	0.00
54	161	54.8	318.5	0.0	-0.00	0.00	0.00
	162	-54.8	318.5	0.0	0.00	0.00	0.00
55	161	18.9	318.5	0.0	-0.00	0.00	0.00
	162	-18.9	318.5	0.0	0.00	0.00	0.00
56	161	161.2	318.5	0.0	-0.00	0.00	0.00
	162	-161.2	318.5	0.0	0.00	0.00	0.00
57	161	702.1	318.5	0.0	-0.00	0.00	0.00
	162	-702.1	318.5	0.0	0.00	0.00	0.00
58	161	529.0	318.5	0.0	-0.00	0.00	0.00
	162	-529.0	318.5	0.0	0.00	0.00	0.00
1	162	519.4	465.1	0.0	-0.00	0.00	0.00
	163	-519.4	465.1	0.0	0.00	0.00	0.00
2	162	1154.0	2152.1	0.0	-0.02	0.00	0.00
	163	-1154.0	2152.1	0.0	0.02	0.00	0.00
3	162	-7477.5	2961.8	194.3	-0.03	0.00	0.00
	163	7477.5	2961.8	194.3	0.03	0.00	0.00
4	162	-7486.3	2152.1	0.0	-0.02	0.00	0.00
	163	7486.3	2152.1	0.0	0.02	0.00	0.00
5	162	-7623.7	1544.8	-145.8	-0.01	0.00	0.00
	163	7623.7	1544.8	-145.8	0.01	0.00	0.00
6	162	-7582.3	2152.1	0.0	-0.02	0.00	0.00
	163	7582.3	2152.1	0.0	0.02	0.00	0.00
7	162	9922.5	2961.8	194.3	-0.02	0.00	0.00
	163	-9922.5	2961.8	194.3	0.02	0.00	0.00
8	162	9913.7	2152.1	0.0	-0.01	0.00	0.00
	163	-9913.7	2152.1	0.0	0.01	0.00	0.00
9	162	9776.3	1544.8	-145.8	-0.01	0.00	0.00
	163	-9776.3	1544.8	-145.8	0.01	0.00	0.00
10	162	9817.6	2152.1	0.0	-0.01	0.00	0.00
	163	-9817.6	2152.1	0.0	0.01	0.00	0.00
11	162	-7749.1	2658.2	323.9	-0.02	0.00	0.00
	163	7749.1	2658.2	323.9	0.02	0.00	0.00
12	162	9650.8	2658.2	323.9	-0.02	0.00	0.00
	163	-9650.8	2658.2	323.9	0.02	0.00	0.00
13	162	-7763.8	1308.6	0.0	-0.01	0.00	0.00
	163	7763.8	1308.6	0.0	0.01	0.00	0.00
14	162	9636.2	1308.6	0.0	-0.01	0.00	0.00

	163	-9636.2	1308.6	0.0	0.01	0.00	0.00
15	162	-7992.8	296.4	-242.9	-0.00	0.00	0.00
	163	7992.8	296.4	-242.9	0.00	0.00	0.00
16	162	9407.2	296.4	-242.9	0.00	0.00	0.00
	163	-9407.2	296.4	-242.9	-0.00	0.00	0.00
17	162	-7923.9	1308.6	0.0	-0.01	0.00	0.00
	163	7923.9	1308.6	0.0	0.01	0.00	0.00
18	162	9476.1	1308.6	0.0	-0.01	0.00	0.00
	163	-9476.1	1308.6	0.0	0.01	0.00	0.00
19	162	-13594.8	2118.3	194.3	-0.02	0.00	0.00
	163	13594.8	2118.3	194.3	0.02	0.00	0.00
20	162	15405.2	2118.3	194.3	-0.01	0.00	0.00
	163	-15405.2	2118.3	194.3	0.01	0.00	0.00
21	162	-13603.6	1308.6	0.0	-0.01	0.00	0.00
	163	13603.6	1308.6	0.0	0.01	0.00	0.00
22	162	15396.4	1308.6	0.0	-0.00	0.00	0.00
	163	-15396.4	1308.6	0.0	0.00	0.00	0.00
23	162	-13741.0	701.3	-145.8	-0.01	0.00	0.00
	163	13741.0	701.3	-145.8	0.01	0.00	0.00
24	162	15259.0	701.3	-145.8	0.00	0.00	0.00
	163	-15259.0	701.3	-145.8	-0.00	0.00	0.00
25	162	-13699.6	1308.6	0.0	-0.01	0.00	0.00
	163	13699.6	1308.6	0.0	0.01	0.00	0.00
26	162	15300.3	1308.6	0.0	-0.00	0.00	0.00
	163	-15300.3	1308.6	0.0	0.00	0.00	0.00
27	162	1157.7	1442.9	0.0	-0.01	0.00	0.00
	163	-1157.7	1442.9	0.0	0.01	0.00	0.00
28	162	1280.5	1442.9	0.0	-0.01	0.00	0.00
	163	-1280.5	1442.9	0.0	0.01	0.00	0.00
29	162	728.1	1442.9	0.0	-0.01	0.00	0.00
	163	-728.1	1442.9	0.0	0.01	0.00	0.00
30	162	687.3	1442.9	0.0	-0.01	0.00	0.00
	163	-687.3	1442.9	0.0	0.01	0.00	0.00
31	162	339.6	1442.9	0.0	-0.01	0.00	0.00
	163	-339.6	1442.9	0.0	0.01	0.00	0.00
32	162	462.4	1442.9	0.0	-0.01	0.00	0.00
	163	-462.4	1442.9	0.0	0.01	0.00	0.00
33	162	1137.5	1442.9	0.0	-0.01	0.00	0.00
	163	-1137.5	1442.9	0.0	0.01	0.00	0.00
34	162	892.0	1442.9	0.0	-0.01	0.00	0.00
	163	-892.0	1442.9	0.0	0.01	0.00	0.00
35	162	598.5	880.6	0.0	-0.01	0.00	0.00
	163	-598.5	880.6	0.0	0.01	0.00	0.00
36	162	432.6	858.1	129.6	-0.01	0.00	0.00
	163	-432.6	858.1	129.6	0.01	0.00	0.00
37	162	426.8	318.2	0.0	-0.00	0.00	0.00
	163	-426.8	318.2	0.0	0.00	0.00	0.00
38	162	335.2	-86.6	-97.2	0.00	0.00	0.00
	163	-335.2	-86.6	-97.2	-0.00	0.00	0.00
39	162	362.7	318.2	0.0	-0.00	0.00	0.00
	163	-362.7	318.2	0.0	0.00	0.00	0.00
40	162	-5413.0	318.2	0.0	-0.00	0.00	0.00
	163	5413.0	318.2	0.0	0.00	0.00	0.00
41	162	6186.9	318.2	0.0	0.00	0.00	0.00
	163	-6186.9	318.2	0.0	-0.00	0.00	0.00
42	162	810.0	1442.9	0.0	-0.01	0.00	0.00

	163	-810.0	1442.9	0.0	0.01	0.00	0.00
43	162	1132.1	1442.9	0.0	-0.01	0.00	0.00
	163	-1132.1	1442.9	0.0	0.01	0.00	0.00
44	162	1252.9	1442.9	0.0	-0.01	0.00	0.00
	163	-1252.9	1442.9	0.0	0.01	0.00	0.00
45	162	723.3	1442.9	0.0	-0.01	0.00	0.00
	163	-723.3	1442.9	0.0	0.01	0.00	0.00
46	162	493.8	1442.9	0.0	-0.01	0.00	0.00
	163	-493.8	1442.9	0.0	0.01	0.00	0.00
47	162	367.1	1442.9	0.0	-0.01	0.00	0.00
	163	-367.1	1442.9	0.0	0.01	0.00	0.00
48	162	488.0	1442.9	0.0	-0.01	0.00	0.00
	163	-488.0	1442.9	0.0	0.01	0.00	0.00
49	162	1126.2	1442.9	0.0	-0.01	0.00	0.00
	163	-1126.2	1442.9	0.0	0.01	0.00	0.00
50	162	896.8	1442.9	0.0	-0.01	0.00	0.00
	163	-896.8	1442.9	0.0	0.01	0.00	0.00
51	162	649.2	318.2	0.0	-0.00	0.00	0.00
	163	-649.2	318.2	0.0	0.00	0.00	0.00
52	162	746.6	318.2	0.0	-0.00	0.00	0.00
	163	-746.6	318.2	0.0	0.00	0.00	0.00
53	162	317.9	318.2	0.0	-0.00	0.00	0.00
	163	-317.9	318.2	0.0	0.00	0.00	0.00
54	162	131.3	318.2	0.0	-0.00	0.00	0.00
	163	-131.3	318.2	0.0	0.00	0.00	0.00
55	162	27.3	318.2	0.0	-0.00	0.00	0.00
	163	-27.3	318.2	0.0	0.00	0.00	0.00
56	162	124.7	318.2	0.0	-0.00	0.00	0.00
	163	-124.7	318.2	0.0	0.00	0.00	0.00
57	162	642.6	318.2	0.0	-0.00	0.00	0.00
	163	-642.6	318.2	0.0	0.00	0.00	0.00
58	162	456.0	318.2	0.0	-0.00	0.00	0.00
	163	-456.0	318.2	0.0	0.00	0.00	0.00
1	164	693.4	617.6	-8.2	-0.00	0.01	0.17
	178	-693.4	1116.3	8.2	0.00	0.01	-0.76
2	164	482.3	1482.5	-16.6	-0.01	0.02	0.69
	178	-482.3	2843.4	16.6	0.01	0.03	-1.74
3	164	-32115.7	1989.3	63.6	0.05	0.04	1.02
	178	32115.7	3580.7	275.3	-0.05	0.20	-1.99
4	164	-32656.7	1645.0	-60.5	0.06	0.11	0.89
	178	32656.7	2680.9	60.5	-0.06	0.08	-1.41
5	164	-30555.7	1202.0	-172.6	0.07	0.18	0.48
	178	30555.7	2190.7	-118.5	-0.07	-0.02	-1.26
6	164	-30047.1	1449.3	-62.9	0.06	0.12	0.57
	178	30047.1	2876.6	62.9	-0.06	0.08	-1.72
7	164	31346.9	1874.3	153.1	-0.09	-0.15	0.98
	178	-31346.9	3695.8	185.8	0.09	0.10	-2.32
8	164	30805.9	1529.9	29.0	-0.07	-0.08	0.85
	178	-30805.9	2795.9	-29.0	0.07	-0.01	-1.74
9	164	32906.9	1087.0	-83.1	-0.07	-0.01	0.44
	178	-32906.9	2305.7	-207.9	0.07	-0.11	-1.59
10	164	33415.4	1334.2	26.6	-0.08	-0.07	0.53
	178	-33415.4	2991.6	-26.6	0.08	-0.02	-2.05
11	164	-32587.9	1856.4	151.2	0.05	-0.02	0.97
	178	32587.9	3247.0	413.6	-0.05	0.26	-1.78

	164	30874.7	1741.4	240.7	-0.09	-0.21	0.93
	178	-30874.7	3362.1	324.1	0.09	0.17	-2.11
13	164	-33489.6	1282.5	-55.6	0.07	0.10	0.74
	178	33489.6	1747.3	55.6	-0.07	0.08	-0.81
14	164	29973.0	1167.5	33.9	-0.07	-0.09	0.70
	178	-29973.0	1862.4	-33.9	0.07	-0.02	-1.14
15	164	-29987.9	544.3	-242.6	0.08	0.22	0.06
	178	29987.9	930.3	-242.6	-0.08	-0.09	-0.56
16	164	33474.7	429.3	-153.1	-0.06	0.03	0.02
	178	-33474.7	1045.4	-332.1	0.06	-0.19	-0.89
17	164	-29140.3	956.4	-59.6	0.06	0.12	0.21
	178	29140.3	2073.5	59.6	-0.06	0.07	-1.32
18	164	34322.2	841.3	29.9	-0.08	-0.07	0.17
	178	-34322.2	2188.5	-29.9	0.08	-0.03	-1.65
19	164	-53164.3	1595.2	38.0	0.10	0.09	0.77
	178	53164.3	2678.8	300.9	-0.10	0.22	-1.39
20	164	52606.7	1403.5	187.1	-0.13	-0.22	0.71
	178	-52606.7	2870.5	151.7	0.13	0.06	-1.94
21	164	-53705.3	1250.9	-86.1	0.11	0.17	0.64
	178	53705.3	1779.0	86.1	-0.11	0.11	-0.81
22	164	52065.7	1059.2	63.1	-0.12	-0.15	0.57
	178	-52065.7	1970.7	-63.1	0.12	-0.06	-1.36
23	164	-51604.3	808.0	-198.2	0.12	0.24	0.23
	178	51604.3	1288.8	-92.9	-0.12	0.01	-0.66
24	164	54166.7	616.2	-49.1	-0.11	-0.07	0.17
	178	-54166.7	1480.5	-242.0	0.11	-0.16	-1.21
25	164	-51095.8	1055.2	-88.4	0.11	0.18	0.32
	178	51095.8	1974.7	88.4	-0.11	0.10	-1.12
26	164	54675.2	863.5	60.7	-0.12	-0.13	0.25
	178	-54675.2	2166.4	-60.7	0.12	-0.06	-1.67
27	164	5992.0	450.3	-25.9	-0.03	0.02	-0.47
	178	-5992.0	2550.7	25.9	0.03	0.06	-2.14
28	164	3016.5	955.6	-57.2	-0.05	0.04	0.35
	178	-3016.5	2045.3	57.2	0.05	0.15	-1.34
29	164	6562.7	92.4	31.4	0.02	-0.00	-1.05
	178	-6562.7	2908.6	-31.4	-0.02	-0.10	-2.71
30	164	-882.6	1133.1	-2.9	0.01	0.01	0.63
	178	882.6	1867.9	2.9	-0.01	-0.00	-1.05
31	164	-2295.5	1112.0	33.6	0.04	-0.01	0.60
	178	2295.5	1889.0	-33.6	-0.04	-0.10	-1.08
32	164	-5270.9	1617.3	2.3	0.02	0.01	1.41
	178	5270.9	1383.6	-2.3	-0.02	-0.01	-0.28
33	164	-3355.4	1776.8	-72.9	-0.05	0.04	1.67
	178	3355.4	1224.2	72.9	0.05	0.19	-0.03
34	164	-5841.7	1975.3	-55.0	-0.03	0.03	1.99
	178	5841.7	1025.7	55.0	0.03	0.14	0.28
35	164	430.9	745.6	-9.0	-0.00	0.01	0.30
	178	-430.9	1391.4	9.0	0.00	0.02	-0.88
36	164	-76.5	756.8	77.1	-0.01	-0.04	0.33
	178	76.5	1345.6	148.8	0.01	0.09	-0.84
37	164	-437.2	527.3	-5.6	0.00	0.00	0.24
	178	437.2	745.7	5.6	-0.00	0.01	-0.45
38	164	963.5	232.0	-80.4	0.01	0.05	-0.03
	178	-963.5	418.9	-113.7	-0.01	-0.05	-0.35
39	164	1302.5	396.8	-7.2	-0.00	0.01	0.02
	178	-1302.5	876.2	7.2	0.00	0.01	-0.65

	164	-20652.9	495.6	-36.0	0.05	0.07	0.14
	178	20652.9	777.4	36.0	-0.05	0.04	-0.45
41	164	21655.5	418.9	23.6	-0.05	-0.05	0.11
	178	-21655.5	854.1	-23.6	0.05	-0.02	-0.67
42	164	360.5	1033.8	-11.8	-0.01	0.02	0.47
	178	-360.5	1967.1	11.8	0.01	0.02	-1.21
43	164	6154.2	429.0	-26.0	-0.03	0.02	-0.50
	178	-6154.2	2572.0	26.0	0.03	0.06	-2.17
44	164	3065.6	957.1	-58.2	-0.06	0.04	0.35
	178	-3065.6	2043.9	58.2	0.06	0.15	-1.33
45	164	6783.0	51.4	32.8	0.02	-0.00	-1.11
	178	-6783.0	2949.6	-32.8	-0.02	-0.10	-2.77
46	164	4233.3	255.8	50.9	0.04	-0.01	-0.78
	178	-4233.3	2745.1	-50.9	-0.04	-0.15	-2.44
47	164	-2344.6	1110.6	34.6	0.04	-0.01	0.59
	178	2344.6	1890.4	-34.6	-0.04	-0.11	-1.09
48	164	-5433.1	1638.7	2.3	0.02	0.01	1.45
	178	5433.1	1362.3	-2.3	-0.02	-0.02	-0.25
49	164	-3512.3	1811.8	-74.6	-0.05	0.04	1.73
	178	3512.3	1189.2	74.6	0.05	0.20	0.02
50	164	-6061.9	2016.3	-56.4	-0.03	0.03	2.06
	178	6061.9	984.7	56.4	0.03	0.15	0.35
51	164	5235.7	-32.5	-17.5	-0.02	0.02	-0.67
	178	-5235.7	1305.5	17.5	0.02	0.04	-1.33
52	164	2732.6	392.8	-43.3	-0.04	0.03	0.02
	178	-2732.6	880.2	43.3	0.04	0.11	-0.66
53	164	5717.9	-334.7	29.6	0.02	-0.01	-1.15
	178	-5717.9	1607.7	-29.6	-0.02	-0.09	-1.81
54	164	3628.2	-168.5	44.1	0.04	-0.01	-0.89
	178	-3628.2	1441.4	-44.1	-0.04	-0.13	-1.55
55	164	-1730.1	521.7	30.9	0.04	-0.01	0.22
	178	1730.1	751.3	-30.9	-0.04	-0.09	-0.45
56	164	-4233.1	947.0	5.1	0.02	0.00	0.91
	178	4233.1	326.0	-5.1	-0.02	-0.02	0.22
57	164	-2625.7	1083.0	-56.5	-0.04	0.03	1.13
	178	2625.7	190.0	56.5	0.04	0.15	0.44
58	164	-4715.4	1249.3	-42.0	-0.02	0.02	1.40
	178	4715.4	23.7	42.0	0.02	0.11	0.70
1	178	-926.6	1862.4	42.2	-0.07	-0.04	1.38
	179	926.6	-967.4	-42.2	0.07	-0.02	0.72
2	178	-778.2	5272.2	168.3	-0.24	-0.16	4.08
	179	778.2	-2775.5	-168.3	0.24	-0.08	1.89
3	178	-43592.8	7287.8	573.2	-0.44	-0.52	6.02
	179	43592.8	-4022.3	-370.0	0.44	-0.18	2.36
4	178	-43915.5	5604.1	343.2	-0.34	-0.38	4.74
	179	43915.5	-3107.4	-343.2	0.34	-0.13	1.72
5	178	-43049.5	4230.6	185.0	-0.26	-0.28	3.53
	179	43049.5	-2310.5	-354.5	0.26	-0.12	1.32
6	178	-42752.5	5491.8	370.0	-0.34	-0.40	4.48
	179	42752.5	-2995.1	-370.0	0.34	-0.15	1.81
7	178	41448.2	6743.4	205.4	-0.25	-0.08	4.98
	179	-41448.2	-3477.9	-2.2	0.25	-0.07	2.60
8	178	41125.5	5059.8	-24.6	-0.15	0.06	3.69
	179	-41125.5	-2563.1	24.6	0.15	-0.02	1.96
9	178	41991.6	3686.2	-182.8	-0.08	0.15	2.48

	179	-41991.6	-1766.1	13.4	0.08	-0.00	1.56
10	178	42288.6	4947.4	2.2	-0.15	0.04	3.44
	179	-42288.6	-2450.7	-2.2	0.15	-0.04	2.05
11	178	-43863.1	6745.1	657.5	-0.42	-0.55	5.62
	179	43863.1	-3768.0	-318.9	0.42	-0.18	2.17
12	178	41177.9	6200.8	289.7	-0.24	-0.11	4.58
	179	-41177.9	-3223.6	48.9	0.24	-0.07	2.41
13	178	-44400.9	3939.1	274.3	-0.26	-0.31	3.48
	179	44400.9	-2243.2	-274.3	0.26	-0.09	1.10
14	178	40640.1	3394.7	-93.5	-0.07	0.12	2.44
	179	-40640.1	-1698.9	93.5	0.07	0.02	1.34
15	178	-42957.5	1649.8	10.5	-0.13	-0.16	1.46
	179	42957.5	-914.9	-293.0	0.13	-0.07	0.44
16	178	42083.5	1105.5	-357.3	0.06	0.27	0.42
	179	-42083.5	-370.6	74.8	-0.06	0.05	0.68
17	178	-42462.5	3751.8	318.9	-0.25	-0.34	3.06
	179	42462.5	-2056.0	-318.9	0.25	-0.13	1.25
18	178	42578.5	3207.5	-49.0	-0.06	0.09	2.01
	179	-42578.5	-1511.6	49.0	0.06	-0.02	1.49
19	178	-72014.1	5764.3	632.8	-0.42	-0.60	5.02
	179	72014.1	-3299.7	-429.6	0.42	-0.19	1.70
20	178	69721.0	4857.1	19.7	-0.10	0.12	3.28
	179	-69721.0	-2392.4	183.4	0.10	-0.00	2.09
21	178	-72336.7	4080.7	402.8	-0.32	-0.46	3.74
	179	72336.7	-2384.8	-402.8	0.32	-0.14	1.06
22	178	69398.3	3173.4	-210.2	-0.01	0.26	2.00
	179	-69398.3	-1477.6	210.2	0.01	0.05	1.45
23	178	-71470.7	2707.1	244.6	-0.24	-0.37	2.53
	179	71470.7	-1587.9	-414.1	0.24	-0.12	0.66
24	178	70264.4	1799.9	-368.5	0.07	0.35	0.79
	179	-70264.4	-680.6	199.0	-0.07	0.07	1.05
25	178	-71173.7	3968.3	429.6	-0.31	-0.48	3.48
	179	71173.7	-2272.5	-429.6	0.31	-0.16	1.14
26	178	70561.4	3061.1	-183.5	0.00	0.24	1.74
	179	-70561.4	-1365.2	183.5	-0.00	0.03	1.54
27	178	2164.5	3094.0	142.8	-0.01	-0.15	1.87
	179	-2164.5	-1375.2	-142.8	0.01	-0.07	1.27
28	178	1576.2	3349.8	261.0	0.05	-0.28	2.49
	179	-1576.2	-1631.0	-261.0	-0.05	-0.11	1.01
29	178	1105.4	3081.5	-56.7	-0.21	0.08	1.58
	179	-1105.4	-1362.8	56.7	0.21	0.01	1.68
30	178	-1371.4	3752.9	87.6	-0.22	-0.08	3.00
	179	1371.4	-2034.2	-87.6	0.22	-0.05	1.35
31	178	-2822.8	3911.0	-33.0	-0.39	0.05	3.13
	179	2822.8	-2192.3	33.0	0.39	-0.00	1.59
32	178	-3411.2	4166.8	85.2	-0.32	-0.08	3.75
	179	3411.2	-2448.1	-85.2	0.32	-0.05	1.34
33	178	-855.8	3934.1	337.4	-0.01	-0.36	3.65
	179	855.8	-2215.4	-337.4	0.01	-0.14	0.83
34	178	-2352.0	4179.2	284.7	-0.12	-0.30	4.03
	179	2352.0	-2460.5	-284.7	0.12	-0.12	0.93
35	178	-672.8	2493.8	72.0	-0.11	-0.07	1.91
	179	672.8	-1308.9	-72.0	0.11	-0.04	0.91
36	178	-918.3	2519.5	177.3	-0.12	-0.12	1.96
	179	918.3	-1356.0	-41.9	0.12	-0.04	0.92
37	178	-1133.5	1397.0	24.0	-0.06	-0.03	1.10

	179	1133.5	-746.1	-24.0	0.06	-0.01	0.49
38	178	-556.1	481.3	-81.5	-0.01	0.03	0.29
	179	556.1	-214.8	-31.5	0.01	0.00	0.22
39	178	-358.1	1322.1	41.9	-0.05	-0.04	0.93
	179	358.1	-671.2	-41.9	0.05	-0.02	0.55
40	178	-29069.3	1538.6	152.6	-0.12	-0.18	1.36
	179	29069.3	-887.7	-152.6	0.12	-0.05	0.44
41	178	27624.8	1175.7	-92.6	0.01	0.11	0.66
	179	-27624.8	-524.8	92.6	-0.01	0.02	0.60
42	178	-623.3	3630.4	114.0	-0.17	-0.11	2.81
	179	623.3	-1911.7	-114.0	0.17	-0.06	1.30
43	178	2256.9	3079.5	142.6	-0.00	-0.15	1.84
	179	-2256.9	-1360.8	-142.6	0.00	-0.06	1.26
44	178	1657.9	3343.8	265.0	0.06	-0.28	2.49
	179	-1657.9	-1625.1	-265.0	-0.06	-0.11	1.00
45	178	1149.3	3064.4	-62.9	-0.22	0.08	1.54
	179	-1149.3	-1345.7	62.9	0.22	0.01	1.70
46	178	-399.1	3315.6	-116.8	-0.33	0.15	1.92
	179	399.1	-1596.9	116.8	0.33	0.03	1.80
47	178	-2904.5	3917.0	-37.0	-0.40	0.06	3.13
	179	2904.5	-2198.3	37.0	0.40	-0.00	1.61
48	178	-3503.5	4181.2	85.4	-0.33	-0.08	3.77
	179	3503.5	-2462.5	-85.4	0.33	-0.05	1.34
49	178	-847.5	3945.1	344.8	-0.00	-0.37	3.69
	179	847.5	-2226.4	-344.8	0.00	-0.14	0.81
50	178	-2395.9	4196.4	290.9	-0.12	-0.31	4.08
	179	2395.9	-2477.6	-290.9	0.12	-0.12	0.91
51	178	1621.8	907.1	52.6	0.08	-0.06	0.22
	179	-1621.8	-256.1	-52.6	-0.08	-0.02	0.49
52	178	1132.4	1121.5	150.8	0.13	-0.17	0.74
	179	-1132.4	-470.5	-150.8	-0.13	-0.06	0.28
53	178	723.3	896.9	-112.2	-0.09	0.13	-0.02
	179	-723.3	-246.0	112.2	0.09	0.04	0.84
54	178	-536.4	1102.7	-155.2	-0.19	0.18	0.30
	179	536.4	-451.7	155.2	0.19	0.05	0.92
55	178	-2576.9	1592.9	-90.8	-0.24	0.11	1.28
	179	2576.9	-942.0	90.8	0.24	0.03	0.77
56	178	-3066.4	1807.3	7.4	-0.19	-0.00	1.80
	179	3066.4	-1156.4	-7.4	0.19	-0.01	0.55
57	178	-908.2	1611.7	215.2	0.08	-0.24	1.72
	179	908.2	-960.8	-215.2	-0.08	-0.08	0.12
58	178	-2167.8	1817.5	172.2	-0.02	-0.19	2.04
	179	2167.8	-1166.5	-172.2	0.02	-0.07	0.21
1	179	-932.4	341.8	21.4	0.00	0.01	-0.70
	180	932.4	553.8	-21.4	-0.00	-0.04	0.54
2	179	-788.8	1082.0	38.6	0.01	0.06	-1.84
	180	788.8	1416.3	-38.6	-0.01	-0.12	1.59
3	179	-43561.9	1689.1	-64.4	0.01	0.19	-2.29
	180	43561.9	1578.5	267.7	-0.01	0.06	2.37
4	179	-43885.9	1374.2	-143.6	0.01	0.14	-1.66
	180	43885.9	1124.1	143.6	-0.01	0.07	1.85
5	179	-43003.6	1039.7	-255.8	0.01	0.15	-1.27
	180	43003.6	881.6	86.2	-0.01	0.11	1.39
6	179	-42704.1	1271.2	-192.9	0.01	0.19	-1.75
	180	42704.1	1227.2	192.9	-0.01	0.10	1.78

	179	41377.1	1216.6	348.5	0.00	-0.01	-2.55
	180	-41377.1	2051.0	-145.2	-0.00	-0.36	1.94
8	179	41053.0	901.7	269.3	0.00	-0.06	-1.93
	180	-41053.0	1596.6	-269.3	-0.00	-0.34	1.41
9	179	41935.4	567.2	157.1	-0.00	-0.05	-1.54
	180	-41935.4	1354.1	-326.7	0.00	-0.31	0.96
10	179	42234.9	798.7	220.0	0.00	-0.01	-2.01
	180	-42234.9	1699.7	-220.0	-0.00	-0.32	1.34
11	179	-43836.0	1566.3	-4.0	0.01	0.18	-2.10
	180	43836.0	1412.9	342.8	-0.01	0.08	2.22
12	179	41102.9	1093.8	408.9	0.00	-0.02	-2.37
	180	-41102.9	1885.4	-70.1	-0.00	-0.34	1.78
13	179	-44376.1	1041.4	-136.0	0.01	0.10	-1.06
	180	44376.1	655.6	136.0	-0.01	0.10	1.35
14	179	40562.8	568.9	276.9	-0.00	-0.10	-1.33
	180	-40562.8	1128.1	-276.9	0.00	-0.31	0.92
15	179	-42905.6	484.0	-323.1	0.01	0.11	-0.41
	180	42905.6	251.4	40.4	-0.01	0.16	0.58
16	179	42033.4	11.5	89.8	-0.01	-0.08	-0.68
	180	-42033.4	723.9	-372.5	0.01	-0.26	0.15
17	179	-42406.3	869.7	-218.2	0.01	0.18	-1.20
	180	42406.3	827.3	218.2	-0.01	0.15	1.23
18	179	42532.6	397.2	194.7	-0.00	-0.02	-1.47
	180	-42532.6	1299.8	-194.7	0.00	-0.27	0.80
19	179	-71946.7	1476.5	-210.6	0.02	0.22	-1.63
	180	71946.7	989.8	413.9	-0.02	0.24	1.99
20	179	69618.3	689.0	477.5	-0.00	-0.10	-2.07
	180	-69618.3	1777.3	-274.2	0.00	-0.46	1.27
21	179	-72270.7	1161.6	-289.8	0.01	0.18	-1.00
	180	72270.7	535.4	289.8	-0.01	0.25	1.47
22	179	69294.2	374.1	398.4	-0.01	-0.15	-1.45
	180	-69294.2	1322.9	-398.4	0.01	-0.44	0.75
23	179	-71388.4	827.2	-402.1	0.01	0.19	-0.61
	180	71388.4	292.9	232.5	-0.01	0.28	1.01
24	179	70176.6	39.6	286.1	-0.01	-0.14	-1.06
	180	-70176.6	1080.4	-455.7	0.01	-0.41	0.29
25	179	-71088.8	1058.6	-339.2	0.01	0.22	-1.09
	180	71088.8	638.4	339.2	-0.01	0.28	1.40
26	179	70476.1	271.1	349.0	-0.01	-0.10	-1.53
	180	-70476.1	1425.9	-349.0	0.01	-0.42	0.68
27	179	2166.5	406.2	78.9	0.01	-0.02	-1.25
	180	-2166.5	1313.7	-78.9	-0.01	-0.10	0.78
28	179	1495.6	679.0	262.0	0.02	-0.17	-1.03
	180	-1495.6	1040.8	-262.0	-0.02	-0.22	0.97
29	179	1225.6	227.4	-234.1	-0.01	0.25	-1.59
	180	-1225.6	1492.5	234.1	0.01	0.09	0.70
30	179	-1369.9	801.7	-14.4	0.00	0.08	-1.31
	180	1369.9	918.2	14.4	-0.00	-0.06	1.16
31	179	-2758.0	804.8	-205.4	-0.01	0.26	-1.51
	180	2758.0	915.1	205.4	0.01	0.05	1.22
32	179	-3428.9	1077.6	-22.4	-0.00	0.11	-1.30
	180	3428.9	642.3	22.4	0.00	-0.07	1.42
33	179	-1010.7	1136.8	376.0	0.03	-0.25	-0.88
	180	1010.7	583.0	-376.0	-0.03	-0.31	1.36
34	179	-2488.1	1256.4	290.7	0.02	-0.17	-0.96
	180	2488.1	463.5	-290.7	-0.02	-0.26	1.49

	179	-679.1	495.2	22.5	0.00	0.03	-0.89
	180	679.1	690.5	-22.5	-0.00	-0.06	0.75
36	179	-929.3	495.7	85.8	0.00	0.02	-0.90
	180	929.3	668.6	49.8	-0.00	-0.05	0.77
37	179	-1145.4	285.7	33.0	0.00	-0.01	-0.48
	180	1145.4	365.7	-33.0	-0.00	-0.04	0.42
38	179	-557.1	62.7	-41.9	-0.00	-0.00	-0.22
	180	557.1	204.0	-71.2	0.00	-0.02	0.12
39	179	-357.4	217.0	0.1	0.00	0.02	-0.54
	180	357.4	434.4	-0.1	-0.00	-0.02	0.38
40	179	-29039.9	405.9	-120.8	0.00	0.07	-0.42
	180	29039.9	245.5	120.8	-0.00	0.11	0.54
41	179	27586.0	90.9	154.4	-0.00	-0.06	-0.60
	180	-27586.0	560.5	-154.4	0.00	-0.17	0.25
42	179	-631.2	741.9	28.3	0.00	0.04	-1.27
	180	631.2	978.0	-28.3	-0.00	-0.08	1.10
43	179	2254.0	395.6	81.4	0.01	-0.03	-1.25
	180	-2254.0	1324.3	-81.4	-0.01	-0.10	0.77
44	179	1570.8	680.2	272.9	0.02	-0.18	-1.02
	180	-1570.8	1039.7	-272.9	-0.02	-0.23	0.97
45	179	1270.5	206.3	-246.3	-0.01	0.26	-1.60
	180	-1270.5	1513.6	246.3	0.01	0.10	0.69
46	179	-255.7	328.7	-335.6	-0.02	0.35	-1.68
	180	255.7	1391.1	335.6	0.02	0.15	0.83
47	179	-2833.3	803.6	-216.4	-0.02	0.27	-1.52
	180	2833.3	916.3	216.4	0.02	0.06	1.22
48	179	-3516.5	1088.2	-24.8	-0.00	0.11	-1.30
	180	3516.5	631.6	24.8	0.00	-0.07	1.42
49	179	-1006.8	1155.1	392.2	0.03	-0.26	-0.86
	180	1006.8	564.8	-392.2	-0.03	-0.32	1.37
50	179	-2533.0	1277.5	302.9	0.02	-0.18	-0.94
	180	2533.0	442.4	-302.9	-0.02	-0.27	1.50
51	179	1625.7	-32.9	58.7	0.01	-0.05	-0.49
	180	-1625.7	684.3	-58.7	-0.01	-0.05	0.13
52	179	1065.4	196.5	212.4	0.02	-0.17	-0.31
	180	-1065.4	454.9	-212.4	-0.02	-0.15	0.29
53	179	828.5	-183.9	-203.7	-0.01	0.18	-0.78
	180	-828.5	835.3	203.7	0.01	0.12	0.07
54	179	-415.0	-83.9	-275.0	-0.02	0.25	-0.84
	180	415.0	735.3	275.0	0.02	0.16	0.18
55	179	-2519.3	300.4	-178.8	-0.01	0.19	-0.71
	180	2519.3	351.0	178.8	0.01	0.08	0.50
56	179	-3079.6	529.8	-25.1	-0.01	0.06	-0.53
	180	3079.6	121.6	25.1	0.01	-0.02	0.66
57	179	-1038.9	580.8	308.5	0.02	-0.24	-0.18
	180	1038.9	70.6	-308.5	-0.02	-0.22	0.62
58	179	-2282.4	680.8	237.3	0.01	-0.17	-0.25
	180	2282.4	-29.4	-237.3	-0.01	-0.18	0.73
1	180	-950.6	-1164.0	-48.0	0.07	0.02	-0.56
	181	950.6	2059.1	48.0	-0.07	0.05	-1.83
2	180	-820.0	-3086.6	-178.4	0.25	0.09	-1.65
	181	820.0	5583.3	178.4	-0.25	0.18	-4.78
3	180	-43625.7	-4100.7	244.2	0.42	-0.15	-2.44
	181	43625.7	7366.1	-41.0	-0.42	-0.07	-6.06
4	180	-43963.0	-3047.8	280.1	0.32	-0.18	-1.91

	181	43963.0	5544.5	-280.1	-0.32	-0.23	-4.46
5	180	-43063.6	-2358.7	258.5	0.25	-0.20	-1.44
	181	43063.6	4278.8	-428.0	-0.25	-0.31	-3.48
6	180	-42751.6	-3158.8	234.1	0.32	-0.17	-1.83
	181	42751.6	5655.4	-234.1	-0.32	-0.18	-4.70
7	180	41373.5	-4060.2	-623.6	0.28	0.38	-2.00
	181	-41373.5	7325.7	826.7	-0.28	0.70	-6.45
8	180	41036.3	-3007.4	-587.7	0.18	0.34	-1.47
	181	-41036.3	5504.0	587.7	-0.18	0.53	-4.85
9	180	41935.6	-2318.3	-609.2	0.11	0.33	-0.99
	181	-41935.6	4238.4	439.7	-0.11	0.45	-3.87
10	180	42247.7	-3118.3	-633.6	0.18	0.36	-1.39
	181	-42247.7	5615.0	633.6	-0.18	0.58	-5.09
11	180	-43895.1	-3801.9	301.8	0.39	-0.16	-2.28
	181	43895.1	6779.1	36.8	-0.39	-0.04	-5.56
12	180	41104.2	-3761.5	-565.9	0.25	0.37	-1.84
	181	-41104.2	6738.7	904.5	-0.25	0.72	-5.95
13	180	-44457.2	-2047.1	361.7	0.22	-0.22	-1.40
	181	44457.2	3743.0	-361.7	-0.22	-0.31	-2.89
14	180	40542.1	-2006.7	-506.1	0.09	0.30	-0.95
	181	-40542.1	3702.6	506.1	-0.09	0.45	-3.28
15	180	-42958.3	-898.7	325.7	0.11	-0.25	-0.61
	181	42958.3	1633.6	-608.2	-0.11	-0.45	-1.27
16	180	42041.0	-858.3	-542.0	-0.03	0.28	-0.16
	181	-42041.0	1593.2	259.6	0.03	0.31	-1.66
17	180	-42438.2	-2232.1	285.1	0.23	-0.20	-1.27
	181	42438.2	3928.0	-285.1	-0.23	-0.22	-3.30
18	180	42561.1	-2191.7	-582.7	0.09	0.33	-0.82
	181	-42561.1	3887.5	582.7	-0.09	0.54	-3.69
19	180	-72024.1	-3152.8	598.6	0.37	-0.35	-2.05
	181	72024.1	5617.5	-395.5	-0.37	-0.38	-4.45
20	180	69641.3	-3085.5	-847.6	0.14	0.52	-1.31
	181	-69641.3	5550.1	1050.8	-0.14	0.88	-5.10
21	180	-72361.4	-2100.0	634.5	0.27	-0.39	-1.52
	181	72361.4	3795.8	-634.5	-0.27	-0.55	-2.85
22	180	69304.1	-2032.6	-811.7	0.04	0.48	-0.77
	181	-69304.1	3728.5	811.7	-0.04	0.72	-3.50
23	180	-71462.0	-1410.9	613.0	0.20	-0.41	-1.04
	181	71462.0	2530.2	-782.5	-0.20	-0.63	-1.88
24	180	70203.4	-1343.5	-833.3	-0.03	0.47	-0.30
	181	-70203.4	2462.8	663.8	0.03	0.64	-2.52
25	180	-71150.0	-2210.9	588.6	0.27	-0.38	-1.44
	181	71150.0	3906.8	-588.6	-0.27	-0.50	-3.09
26	180	70515.5	-2143.6	-857.7	0.04	0.50	-0.70
	181	-70515.5	3839.4	857.7	-0.04	0.77	-3.74
27	180	2185.5	-2091.3	53.6	0.13	-0.04	-0.81
	181	-2185.5	3810.0	-53.6	-0.13	-0.04	-3.23
28	180	1354.0	-1830.5	329.0	0.12	-0.13	-1.05
	181	-1354.0	3549.2	-329.0	-0.12	-0.36	-2.61
29	180	1458.9	-2513.9	-485.6	0.17	0.17	-0.67
	181	-1458.9	4232.6	485.6	-0.17	0.55	-4.22
30	180	-1381.3	-2180.6	-213.1	0.18	0.10	-1.19
	181	1381.3	3899.4	213.1	-0.18	0.22	-3.41
31	180	-2662.2	-2429.4	-568.6	0.21	0.25	-1.22
	181	2662.2	4148.1	568.6	-0.21	0.60	-3.99
32	180	-3493.7	-2168.6	-293.2	0.21	0.15	-1.46

	181	3493.7	3887.3	293.2	-0.21	0.28	-3.37
33	180	-1312.8	-1644.6	432.6	0.14	-0.14	-1.47
	181	1312.8	3363.3	-432.6	-0.14	-0.50	-2.15
34	180	-2767.1	-1746.0	246.0	0.17	-0.05	-1.59
	181	2767.1	3464.7	-246.0	-0.17	-0.31	-2.38
35	180	-697.6	-1489.1	-76.3	0.11	0.04	-0.77
	181	697.6	2673.9	76.3	-0.11	0.08	-2.32
36	180	-945.2	-1510.8	-40.4	0.11	0.04	-0.79
	181	945.2	2674.3	175.9	-0.11	0.13	-2.31
37	180	-1170.1	-808.9	-16.5	0.05	0.01	-0.44
	181	1170.1	1459.8	16.5	-0.05	0.02	-1.24
38	180	-570.5	-349.5	-30.9	0.00	0.00	-0.12
	181	570.5	616.0	-82.1	-0.00	-0.04	-0.59
39	180	-362.5	-882.8	-47.1	0.05	0.02	-0.39
	181	362.5	1533.8	47.1	-0.05	0.05	-1.41
40	180	-29074.2	-861.7	256.4	0.09	-0.16	-0.56
	181	29074.2	1512.6	-256.4	-0.09	-0.22	-1.20
41	180	27591.9	-834.7	-322.1	0.00	0.19	-0.26
	181	-27591.9	1485.7	322.1	-0.00	0.29	-1.46
42	180	-654.1	-2129.9	-119.8	0.17	0.06	-1.13
	181	654.1	3848.7	119.8	-0.17	0.12	-3.30
43	180	2271.0	-2089.6	61.5	0.13	-0.04	-0.80
	181	-2271.0	3808.3	-61.5	-0.13	-0.05	-3.23
44	180	1419.3	-1816.6	349.8	0.12	-0.14	-1.05
	181	-1419.3	3535.3	-349.8	-0.12	-0.38	-2.58
45	180	1515.1	-2531.8	-502.7	0.17	0.18	-0.66
	181	-1515.1	4250.5	502.7	-0.17	0.57	-4.27
46	180	15.6	-2637.9	-697.9	0.20	0.27	-0.78
	181	-15.6	4356.6	697.9	-0.20	0.77	-4.50
47	180	-2727.6	-2443.3	-589.4	0.22	0.26	-1.22
	181	2727.6	4162.0	589.4	-0.22	0.62	-4.02
48	180	-3579.2	-2170.3	-301.1	0.21	0.16	-1.47
	181	3579.2	3889.0	301.1	-0.21	0.29	-3.37
49	180	-1323.8	-1622.0	458.3	0.14	-0.15	-1.48
	181	1323.8	3340.7	-458.3	-0.14	-0.53	-2.10
50	180	-2823.3	-1728.1	263.1	0.17	-0.06	-1.61
	181	2823.3	3446.8	-263.1	-0.17	-0.33	-2.33
51	180	1646.8	-816.7	112.6	0.02	-0.06	-0.14
	181	-1646.8	1467.6	-112.6	-0.02	-0.10	-1.27
52	180	950.0	-597.4	343.4	0.01	-0.14	-0.34
	181	-950.0	1248.4	-343.4	-0.01	-0.37	-0.75
53	180	1032.1	-1171.3	-339.3	0.05	0.11	-0.03
	181	-1032.1	1822.2	339.3	-0.05	0.39	-2.11
54	180	-191.7	-1256.0	-495.8	0.07	0.18	-0.13
	181	191.7	1906.9	495.8	-0.07	0.56	-2.30
55	180	-2432.3	-1099.0	-409.1	0.09	0.17	-0.48
	181	2432.3	1750.0	409.1	-0.09	0.44	-1.91
56	180	-3129.1	-879.8	-178.3	0.08	0.10	-0.68
	181	3129.1	1530.7	178.3	-0.08	0.17	-1.39
57	180	-1290.6	-440.5	430.0	0.02	-0.15	-0.69
	181	1290.6	1091.4	-430.0	-0.02	-0.49	-0.36
58	180	-2514.4	-525.2	273.5	0.04	-0.08	-0.80
	181	2514.4	1176.1	-273.5	-0.04	-0.33	-0.55
1	181	4566.7	2696.1	57.1	-0.04	-0.08	2.94
	182	-4566.7	-1753.3	-57.1	0.04	-0.01	0.54

	181	6102.3	7423.8	210.0	-0.13	-0.28	8.10
	182	-6102.3	-4794.1	-210.0	0.13	-0.05	1.44
3	181	-39379.1	10135.7	-432.0	-0.24	0.38	11.15
	182	39379.1	-6696.2	646.0	0.24	0.46	1.99
4	181	-40111.6	7798.4	-732.1	-0.19	0.63	8.63
	182	40111.6	-5168.7	732.1	0.19	0.52	1.50
5	181	-40305.3	5976.6	-1029.4	-0.15	0.91	6.54
	182	40305.3	-3954.3	850.8	0.15	0.56	1.21
6	181	-39738.9	7736.2	-788.7	-0.19	0.71	8.44
	182	39738.9	-5106.6	788.7	0.19	0.52	1.59
7	181	52662.3	9456.6	1526.3	-0.12	-1.55	10.30
	182	-52662.3	-6017.2	-1312.3	0.12	-0.67	1.78
8	181	51929.8	7119.4	1226.1	-0.08	-1.30	7.77
	182	-51929.8	-4489.7	-1226.1	0.08	-0.61	1.29
9	181	51736.1	5297.6	928.9	-0.04	-1.02	5.69
	182	-51736.1	-3275.2	-1107.4	0.04	-0.57	1.01
10	181	52302.5	7057.2	1169.6	-0.07	-1.22	7.59
	182	-52302.5	-4427.5	-1169.6	0.07	-0.61	1.38
11	181	-39787.4	9353.4	-283.7	-0.22	0.28	10.33
	182	39787.4	-6217.6	640.4	0.22	0.45	1.83
12	181	52254.0	8674.3	1674.5	-0.11	-1.65	9.48
	182	-52254.0	-5538.5	-1317.9	0.11	-0.68	1.63
13	181	-41008.2	5457.9	-783.9	-0.14	0.69	6.12
	182	41008.2	-3671.7	783.9	0.14	0.54	1.01
14	181	51033.2	4778.9	1174.3	-0.03	-1.24	5.26
	182	-51033.2	-2992.7	-1174.3	0.03	-0.59	0.81
15	181	-41331.1	2421.6	-1279.3	-0.08	1.17	2.64
	182	41331.1	-1647.6	981.8	0.08	0.60	0.54
16	181	50710.3	1742.6	678.9	0.03	-0.76	1.79
	182	-50710.3	-968.6	-976.4	-0.03	-0.53	0.33
17	181	-40387.1	5354.3	-878.2	-0.14	0.83	5.81
	182	40387.1	-3568.1	878.2	0.14	0.54	1.16
18	181	51654.3	4675.3	1080.0	-0.02	-1.10	4.95
	182	-51654.3	-2889.0	-1080.0	0.02	-0.59	0.95
19	181	-70827.4	7998.1	-1161.2	-0.23	1.12	8.86
	182	70827.4	-5402.2	1375.2	0.23	0.86	1.61
20	181	82574.9	6866.4	2102.5	-0.04	-2.09	7.44
	182	-82574.9	-4270.5	-1888.5	0.04	-1.02	1.26
21	181	-71559.9	5660.9	-1461.3	-0.18	1.37	6.33
	182	71559.9	-3874.7	1461.3	0.18	0.91	1.12
22	181	81842.4	4529.1	1802.4	0.01	-1.84	4.91
	182	-81842.4	-2742.9	-1802.4	-0.01	-0.97	0.77
23	181	-71753.6	3839.1	-1758.6	-0.14	1.66	4.25
	182	71753.6	-2660.2	1580.1	0.14	0.95	0.83
24	181	81648.7	2707.4	1505.1	0.05	-1.56	2.82
	182	-81648.7	-1528.5	-1683.7	-0.05	-0.93	0.48
25	181	-71187.2	5598.7	-1517.9	-0.18	1.46	6.15
	182	71187.2	-3812.5	1517.9	0.18	0.91	1.20
26	181	82215.1	4467.0	1745.8	0.01	-1.76	4.73
	182	-82215.1	-2680.8	-1745.8	-0.01	-0.97	0.86
27	181	5490.5	4790.9	-184.8	-0.06	0.17	4.89
	182	-5490.5	-2980.6	184.8	0.06	0.13	0.97
28	181	6172.3	4920.7	59.6	-0.07	-0.08	5.33
	182	-6172.3	-3110.4	-59.6	0.07	-0.00	0.71
29	181	3769.5	4822.5	-325.0	-0.07	0.30	4.69
	182	-3769.5	-3012.2	325.0	0.07	0.21	1.37

	181	4112.5	5195.7	206.5	-0.10	-0.27	5.73
	182	-4112.5	-3385.4	-206.5	0.10	-0.06	1.04
31	181	2846.0	5313.8	229.1	-0.10	-0.31	5.83
	182	-2846.0	-3503.5	-229.1	0.10	-0.06	1.28
32	181	3527.8	5443.6	473.5	-0.12	-0.56	6.28
	182	-3527.8	-3633.3	-473.5	0.12	-0.19	1.02
33	181	6042.2	5255.1	489.6	-0.10	-0.54	6.19
	182	-6042.2	-3444.8	-489.6	0.10	-0.22	0.52
34	181	5248.8	5412.0	613.8	-0.11	-0.69	6.47
	182	-5248.8	-3601.7	-613.8	0.11	-0.28	0.62
35	181	3997.3	3541.3	93.4	-0.06	-0.13	3.86
	182	-3997.3	-2293.4	-93.4	0.06	-0.02	0.69
36	181	3844.9	3546.9	267.2	-0.06	-0.26	3.90
	182	-3844.9	-2321.5	-124.5	0.06	-0.04	0.69
37	181	3356.6	1988.8	67.1	-0.03	-0.10	2.21
	182	-3356.6	-1303.1	-67.1	0.03	-0.01	0.36
38	181	3227.4	774.3	-131.1	-0.00	0.10	0.82
	182	-3227.4	-493.5	12.1	0.00	0.02	0.17
39	181	3605.0	1947.3	29.4	-0.02	-0.04	2.09
	182	-3605.0	-1261.7	-29.4	0.02	-0.01	0.42
40	181	-27195.1	2191.7	-610.3	-0.06	0.59	2.43
	182	27195.1	-1506.1	610.3	0.06	0.37	0.46
41	181	34165.8	1739.0	695.1	0.01	-0.70	1.86
	182	-34165.8	-1053.4	-695.1	-0.01	-0.39	0.32
42	181	4509.2	5117.2	144.4	-0.09	-0.19	5.58
	182	-4509.2	-3307.0	-144.4	0.09	-0.03	1.00
43	181	5530.2	4782.8	-187.9	-0.06	0.17	4.87
	182	-5530.2	-2972.5	187.9	0.06	0.13	0.97
44	181	6246.1	4916.5	65.7	-0.07	-0.09	5.33
	182	-6246.1	-3106.3	-65.7	0.07	-0.00	0.70
45	181	3729.7	4814.0	-339.9	-0.07	0.31	4.66
	182	-3729.7	-3003.7	339.9	0.07	0.22	1.39
46	181	2902.3	4974.5	-216.6	-0.08	0.17	4.95
	182	-2902.3	-3164.3	216.6	0.08	0.16	1.49
47	181	2772.2	5317.9	223.0	-0.11	-0.30	5.83
	182	-2772.2	-3507.6	-223.0	0.11	-0.06	1.29
48	181	3488.1	5451.7	476.6	-0.12	-0.56	6.30
	182	-3488.1	-3641.4	-476.6	0.12	-0.19	1.03
49	181	6116.1	5259.9	505.4	-0.10	-0.56	6.22
	182	-6116.1	-3449.6	-505.4	0.10	-0.23	0.50
50	181	5288.6	5420.4	628.6	-0.11	-0.70	6.51
	182	-5288.6	-3610.2	-628.6	0.11	-0.28	0.60
51	181	4311.9	1692.1	-225.6	-0.00	0.24	1.56
	182	-4311.9	-1006.5	225.6	0.00	0.12	0.37
52	181	4883.3	1800.9	-21.8	-0.01	0.03	1.94
	182	-4883.3	-1115.3	21.8	0.01	0.01	0.15
53	181	2866.7	1718.4	-347.1	-0.01	0.35	1.40
	182	-2866.7	-1032.8	347.1	0.01	0.20	0.71
54	181	2199.4	1849.8	-247.5	-0.02	0.24	1.63
	182	-2199.4	-1164.2	247.5	0.02	0.15	0.79
55	181	2087.4	2129.9	106.6	-0.04	-0.14	2.35
	182	-2087.4	-1444.3	-106.6	0.04	-0.03	0.63
56	181	2658.9	2238.7	310.4	-0.05	-0.35	2.73
	182	-2658.9	-1553.0	-310.4	0.05	-0.14	0.41
57	181	4771.4	2081.0	332.3	-0.03	-0.35	2.65
	182	-4771.4	-1395.4	-332.3	0.03	-0.17	-0.01

	181	4104.1	2212.3	431.9	-0.05	-0.47	2.89
	182	-4104.1	-1526.7	-431.9	0.05	-0.21	0.07
1	182	4595.5	1180.0	-9.6	0.03	0.05	-0.49
	183	-4595.5	-236.7	9.6	-0.03	-0.04	1.60
2	182	6155.3	3234.6	33.2	0.09	0.11	-1.32
	183	-6155.3	-603.2	-33.2	-0.09	-0.16	4.32
3	182	-39121.0	4240.7	392.6	0.12	-0.14	-1.76
	183	39121.0	-799.1	-178.5	-0.12	-0.31	5.70
4	182	-39845.4	3246.8	241.1	0.09	-0.17	-1.30
	183	39845.4	-615.4	-241.1	-0.09	-0.21	4.32
5	182	-39976.9	2456.4	28.1	0.06	-0.10	-1.02
	183	39976.9	-432.7	-206.8	-0.06	-0.09	3.28
6	182	-39424.1	3200.4	167.3	0.09	-0.09	-1.37
	183	39424.1	-569.0	-167.3	-0.09	-0.17	4.32
7	182	52429.7	4265.1	78.1	0.13	0.32	-1.71
	183	-52429.7	-823.5	136.0	-0.13	-0.27	5.69
8	182	51705.3	3271.2	-73.4	0.09	0.29	-1.26
	183	-51705.3	-639.8	73.4	-0.09	-0.17	4.31
9	182	51573.8	2480.8	-286.4	0.07	0.36	-0.98
	183	-51573.8	-457.1	107.7	-0.07	-0.05	3.27
10	182	52126.6	3224.8	-147.2	0.09	0.36	-1.33
	183	-52126.6	-593.4	147.2	-0.09	-0.13	4.31
11	182	-39568.3	3892.3	506.0	0.11	-0.18	-1.63
	183	39568.3	-754.6	-149.1	-0.11	-0.34	5.26
12	182	51982.4	3916.8	191.5	0.12	0.28	-1.58
	183	-51982.4	-779.0	165.4	-0.12	-0.30	5.25
13	182	-40775.6	2235.7	253.5	0.06	-0.23	-0.87
	183	40775.6	-448.4	-253.5	-0.06	-0.17	2.97
14	182	50775.1	2260.1	-61.0	0.06	0.23	-0.82
	183	-50775.1	-472.8	61.0	-0.06	-0.13	2.96
15	182	-40994.8	918.4	-101.5	0.01	-0.11	-0.40
	183	40994.8	-143.9	-196.3	-0.01	0.04	1.23
16	182	50556.0	942.8	-415.9	0.02	0.34	-0.36
	183	-50556.0	-168.3	118.2	-0.02	0.08	1.22
17	182	-40073.3	2158.4	130.4	0.06	-0.11	-0.99
	183	40073.3	-371.0	-130.4	-0.06	-0.10	2.96
18	182	51477.4	2182.8	-184.1	0.06	0.35	-0.94
	183	-51477.4	-395.5	184.1	-0.06	-0.06	2.95
19	182	-70417.9	3205.3	476.0	0.09	-0.32	-1.36
	183	70417.9	-607.7	-261.9	-0.09	-0.26	4.34
20	182	82166.7	3246.0	-48.1	0.09	0.44	-1.28
	183	-82166.7	-648.4	262.2	-0.09	-0.20	4.33
21	182	-71142.2	2211.3	324.5	0.06	-0.35	-0.91
	183	71142.2	-424.0	-324.5	-0.06	-0.16	2.97
22	182	81442.3	2252.0	-199.6	0.06	0.41	-0.83
	183	-81442.3	-464.7	199.6	-0.06	-0.10	2.95
23	182	-71273.7	1421.0	111.5	0.03	-0.28	-0.63
	183	71273.7	-241.3	-290.2	-0.03	-0.04	1.93
24	182	81310.8	1461.7	-412.6	0.03	0.48	-0.55
	183	-81310.8	-282.0	233.9	-0.03	0.02	1.91
25	182	-70720.9	2164.9	250.7	0.05	-0.27	-0.98
	183	70720.9	-377.6	-250.7	-0.05	-0.12	2.97
26	182	81863.6	2205.6	-273.4	0.06	0.48	-0.90
	183	-81863.6	-418.3	273.4	-0.06	-0.06	2.95
27	182	5575.7	2018.6	-134.1	0.05	-0.04	-0.89

	183	-5575.7	-207.1	134.1	-0.05	0.04	2.82
28	182	6055.7	2168.7	-72.5	0.05	-0.08	-0.66
	183	-6055.7	-357.3	72.5	-0.05	-0.04	2.85
29	182	4126.4	1939.0	-117.6	0.05	0.10	-1.24
	183	-4126.4	-127.6	117.6	-0.05	0.04	2.89
30	182	4164.0	2271.3	60.8	0.06	0.12	-0.95
	183	-4164.0	-459.8	-60.8	-0.06	-0.14	3.02
31	182	3034.7	2291.8	118.4	0.07	0.23	-1.16
	183	-3034.7	-480.4	-118.4	-0.07	-0.19	3.10
32	182	3514.7	2442.0	179.9	0.07	0.19	-0.93
	183	-3514.7	-630.5	-179.9	-0.07	-0.26	3.14
33	182	5726.3	2439.5	87.7	0.07	-0.03	-0.50
	183	-5726.3	-628.1	-87.7	-0.07	-0.20	2.99
34	182	4964.0	2521.5	163.4	0.07	0.05	-0.58
	183	-4964.0	-710.1	-163.4	-0.07	-0.27	3.07
35	182	4025.3	1545.4	8.7	0.04	0.06	-0.63
	183	-4025.3	-296.7	-8.7	-0.04	-0.07	2.07
36	182	3838.0	1539.4	129.2	0.04	0.03	-0.64
	183	-3838.0	-313.2	13.6	-0.04	-0.12	2.09
37	182	3355.0	876.8	28.2	0.02	0.00	-0.34
	183	-3355.0	-190.7	-28.2	-0.02	-0.05	1.17
38	182	3267.4	349.9	-113.8	0.00	0.05	-0.15
	183	-3267.4	-68.9	-5.3	-0.00	0.03	0.48
39	182	3635.9	845.9	-21.0	0.02	0.05	-0.38
	183	-3635.9	-159.8	21.0	-0.02	-0.02	1.17
40	182	-27011.6	852.4	99.2	0.02	-0.11	-0.38
	183	27011.6	-166.4	-99.2	-0.02	-0.04	1.17
41	182	34022.2	868.7	-110.4	0.02	0.19	-0.34
	183	-34022.2	-182.6	110.4	-0.02	-0.02	1.17
42	182	4545.2	2230.3	22.9	0.06	0.08	-0.91
	183	-4545.2	-418.8	-22.9	-0.06	-0.11	2.98
43	182	5614.2	2012.8	115.0	0.05	-0.04	-0.89
	183	-5614.2	-201.4	-115.0	-0.05	0.03	2.82
44	182	6117.1	2169.2	178.9	0.05	-0.08	-0.65
	183	-6117.1	-357.7	-178.9	-0.05	-0.04	2.85
45	182	4103.1	1927.8	-46.3	0.05	0.10	-1.26
	183	-4103.1	-116.4	46.3	-0.05	0.05	2.88
46	182	3310.8	2011.4	-120.7	0.05	0.18	-1.34
	183	-3310.8	-200.0	120.7	-0.05	-0.02	2.97
47	182	2973.3	2291.4	-133.0	0.07	0.23	-1.17
	183	-2973.3	-479.9	133.0	-0.07	-0.18	3.11
48	182	3476.2	2447.8	-69.2	0.07	0.19	-0.93
	183	-3476.2	-636.3	69.2	-0.07	-0.26	3.14
49	182	5779.6	2449.1	166.6	0.07	-0.03	-0.48
	183	-5779.6	-637.7	-166.6	-0.07	-0.21	2.99
50	182	4987.3	2532.7	92.2	0.07	0.05	-0.56
	183	-4987.3	-721.3	-92.2	-0.07	-0.27	3.07
51	182	4372.8	683.3	-131.6	0.01	-0.06	-0.34
	183	-4372.8	2.8	131.6	-0.01	0.09	1.04
52	182	4773.9	809.5	-80.5	0.01	-0.09	-0.15
	183	-4773.9	-123.4	80.5	-0.01	0.03	1.06
53	182	3157.2	615.9	-120.9	0.01	0.06	-0.64
	183	-3157.2	70.2	120.9	-0.01	0.10	1.09
54	182	2516.4	684.4	-60.6	0.01	0.13	-0.71
	183	-2516.4	1.7	60.6	-0.01	0.05	1.16
55	182	2236.7	911.6	69.3	0.02	0.17	-0.57

	183	-2236.7	-225.5	-69.3	-0.02	-0.09	1.27
56	182	2637.8	1037.8	120.5	0.03	0.13	-0.38
	183	-2637.8	-351.8	-120.5	-0.03	-0.15	1.30
57	182	4494.2	1036.7	49.4	0.02	-0.05	-0.01
	183	-4494.2	-350.6	-49.4	-0.02	-0.10	1.18
58	182	3853.4	1105.2	109.7	0.03	0.02	-0.08
	183	-3853.4	-419.1	-109.7	-0.03	-0.16	1.25
1	183	4609.6	-255.7	-29.3	-0.03	0.06	-1.60
	184	-4609.6	1199.0	29.3	0.03	-0.02	0.46
2	183	6168.6	-652.5	-73.5	-0.09	0.19	-4.31
	184	-6168.6	3283.9	73.5	0.09	-0.07	1.23
3	183	-39021.1	-787.1	-404.8	-0.12	0.46	-5.66
	184	39021.1	4228.7	618.9	0.12	0.34	1.74
4	183	-39765.4	-554.2	-413.1	-0.09	0.33	-4.29
	184	39765.4	3185.5	413.1	0.09	0.32	1.37
5	183	-39842.0	-409.3	-517.3	-0.06	0.29	-3.23
	184	39842.0	2433.0	338.6	0.06	0.38	1.01
6	183	-39285.2	-592.1	-485.8	-0.09	0.38	-4.27
	184	39285.2	3223.4	485.8	0.09	0.38	1.29
7	183	52316.7	-947.5	375.7	-0.13	0.11	-5.73
	184	-52316.7	4389.2	-161.6	0.13	-0.53	1.56
8	183	51572.5	-714.6	367.4	-0.10	-0.03	-4.36
	184	-51572.5	3346.0	-367.4	0.10	-0.55	1.19
9	183	51495.8	-569.8	263.2	-0.07	-0.06	-3.30
	184	-51495.8	2593.4	-441.9	0.07	-0.49	0.83
10	183	52052.6	-752.5	294.7	-0.10	0.02	-4.34
	184	-52052.6	3383.9	-294.7	0.10	-0.48	1.10
11	183	-39481.1	-731.9	-343.4	-0.11	0.47	-5.23
	184	39481.1	3869.6	700.3	0.11	0.35	1.63
12	183	51856.8	-892.3	437.1	-0.12	0.11	-5.29
	184	-51856.8	4030.1	-80.2	0.12	-0.52	1.45
13	183	-40721.5	-343.7	-357.2	-0.05	0.25	-2.95
	184	40721.5	2131.0	357.2	0.05	0.31	1.01
14	183	50616.3	-504.1	423.3	-0.06	-0.11	-3.01
	184	-50616.3	2291.5	-423.3	0.06	-0.55	0.83
15	183	-40849.3	-102.2	-530.8	-0.01	0.18	-1.18
	184	40849.3	876.7	233.1	0.01	0.42	0.42
16	183	50488.6	-262.7	249.6	-0.02	-0.17	-1.25
	184	-50488.6	1037.2	-547.4	0.02	-0.45	0.23
17	183	-39921.3	-406.8	-478.4	-0.06	0.33	-2.91
	184	39921.3	2194.2	478.4	0.06	0.42	0.88
18	183	51416.5	-567.3	302.0	-0.07	-0.03	-2.98
	184	-51416.5	2354.6	-302.0	0.07	-0.44	0.69
19	183	-70246.6	-535.2	-642.8	-0.08	0.52	-4.28
	184	70246.6	3132.8	857.0	0.08	0.65	1.41
20	183	81983.2	-802.6	658.0	-0.10	-0.07	-4.39
	184	-81983.2	3400.2	-443.8	0.10	-0.79	1.11
21	183	-70990.8	-302.3	-651.1	-0.05	0.39	-2.91
	184	70990.8	2089.6	651.1	0.05	0.63	1.04
22	183	81239.0	-569.7	649.7	-0.07	-0.20	-3.03
	184	-81239.0	2357.1	-649.7	0.07	-0.81	0.74
23	183	-71067.5	-157.4	-755.3	-0.03	0.35	-1.85
	184	71067.5	1337.1	576.7	0.03	0.69	0.69
24	183	81162.3	-424.8	545.5	-0.04	-0.24	-1.97
	184	-81162.3	1604.5	-724.1	0.04	-0.75	0.38

	183	-70510.7	-340.2	-723.9	-0.05	0.43	-2.89
	184	70510.7	2127.5	723.9	0.05	0.70	0.96
26	183	81719.1	-607.6	576.9	-0.07	-0.16	-3.00
	184	-81719.1	2394.9	-576.9	0.07	-0.75	0.66
27	183	5576.8	-437.0	131.6	-0.06	-0.06	-2.85
	184	-5576.8	2248.4	-131.6	0.06	-0.15	0.54
28	183	5899.4	-298.9	192.4	-0.06	-0.12	-2.88
	184	-5899.4	2110.4	-192.4	0.06	-0.20	0.78
29	183	4371.0	-657.2	-86.6	-0.07	0.15	-2.89
	184	-4371.0	2468.6	86.6	0.07	-0.02	0.39
30	183	4198.0	-477.8	-111.3	-0.06	0.19	-3.01
	184	-4198.0	2289.3	111.3	0.06	-0.01	0.91
31	183	3207.4	-606.0	-288.9	-0.07	0.37	-3.07
	184	-3207.4	2417.4	288.9	0.07	0.10	0.92
32	183	3530.0	-468.0	-228.1	-0.07	0.31	-3.10
	184	-3530.0	2279.4	228.1	0.07	0.05	1.17
33	183	5446.5	-197.0	116.2	-0.05	-0.03	-3.00
	184	-5446.5	2008.5	-116.2	0.05	-0.16	1.20
34	183	4735.7	-247.7	-9.9	-0.06	0.10	-3.07
	184	-4735.7	2059.2	9.9	0.06	-0.08	1.31
35	183	4033.7	-320.2	-33.5	-0.04	0.08	-2.07
	184	-4033.7	1569.0	33.5	0.04	-0.03	0.60
36	183	3833.6	-331.1	20.5	-0.04	0.11	-2.09
	184	-3833.6	1557.4	122.2	0.04	-0.03	0.61
37	183	3337.4	-175.9	15.0	-0.02	0.02	-1.18
	184	-3337.4	861.9	-15.0	0.02	-0.04	0.37
38	183	3286.3	-79.3	-54.5	-0.00	-0.00	-0.47
	184	-3286.3	360.2	-64.6	0.00	-0.00	0.13
39	183	3657.5	-201.1	-33.5	-0.02	0.05	-1.16
	184	-3657.5	887.2	33.5	0.02	-0.00	0.31
40	183	-26931.9	-134.4	-279.0	-0.02	0.16	-1.14
	184	26931.9	820.5	279.0	0.02	0.27	0.40
41	183	33960.0	-241.4	241.4	-0.02	-0.07	-1.19
	184	-33960.0	927.5	-241.4	0.02	-0.30	0.28
42	183	4553.4	-452.5	-48.3	-0.06	0.13	-2.98
	184	-4553.4	2263.9	48.3	0.06	-0.05	0.85
43	183	5612.2	-437.7	138.5	-0.06	-0.07	-2.85
	184	-5612.2	2249.1	-138.5	0.06	-0.15	0.53
44	183	5948.5	-293.6	201.5	-0.06	-0.13	-2.88
	184	-5948.5	2105.1	-201.5	0.06	-0.20	0.78
45	183	4361.0	-666.5	-87.8	-0.07	0.15	-2.89
	184	-4361.0	2477.9	87.8	0.07	-0.01	0.37
46	183	3624.8	-718.6	-218.8	-0.07	0.29	-2.95
	184	-3624.8	2530.0	218.8	0.07	0.06	0.49
47	183	3158.3	-611.3	-298.0	-0.07	0.38	-3.07
	184	-3158.3	2422.7	298.0	0.07	0.10	0.92
48	183	3494.6	-467.3	-235.0	-0.07	0.32	-3.10
	184	-3494.6	2278.7	235.0	0.07	0.06	1.17
49	183	5481.9	-186.4	122.2	-0.05	-0.04	-3.00
	184	-5481.9	1997.8	-122.2	0.05	-0.16	1.22
50	183	4745.8	-238.5	-8.7	-0.06	0.10	-3.07
	184	-4745.8	2049.9	8.7	0.06	-0.08	1.33
51	183	4374.5	-175.7	132.9	-0.02	-0.12	-1.06
	184	-4374.5	861.8	-132.9	0.02	-0.10	0.08
52	183	4643.3	-59.8	183.4	-0.02	-0.16	-1.09
	184	-4643.3	745.8	-183.4	0.02	-0.13	0.28

	183	3364.5	-360.1	-49.9	-0.03	0.07	-1.09
	184	-3364.5	1046.2	49.9	0.03	0.01	-0.05
54	183	2767.7	-402.2	-156.0	-0.03	0.17	-1.15
	184	-2767.7	1088.3	156.0	0.03	0.08	0.05
55	183	2384.9	-316.1	-221.0	-0.03	0.25	-1.24
	184	-2384.9	1002.2	221.0	0.03	0.11	0.39
56	183	2653.6	-200.2	-170.5	-0.02	0.20	-1.27
	184	-2653.6	886.2	170.5	0.02	0.07	0.60
57	183	4260.5	26.3	118.4	-0.01	-0.09	-1.19
	184	-4260.5	659.7	-118.4	0.01	-0.10	0.63
58	183	3663.6	-15.8	12.3	-0.02	0.02	-1.24
	184	-3663.6	701.8	-12.3	0.02	-0.04	0.72
1	184	4604.7	-1769.0	-87.8	0.02	0.01	-0.50
	185	-4604.7	2711.7	87.8	-0.02	0.13	-3.00
2	184	6138.0	-4830.3	-241.3	0.11	0.04	-1.36
	185	-6138.0	7460.0	241.3	-0.11	0.34	-8.24
3	184	-39091.3	-6624.0	363.3	0.20	-0.40	-1.91
	185	39091.3	10063.4	-149.3	-0.20	-0.00	-11.12
4	184	-39876.6	-5047.3	489.5	0.16	-0.45	-1.52
	185	39876.6	7677.0	-489.5	-0.16	-0.32	-8.42
5	184	-39920.9	-3868.1	484.9	0.11	-0.47	-1.12
	185	39920.9	5890.5	-663.4	-0.11	-0.43	-6.50
6	184	-39341.6	-5067.7	406.8	0.15	-0.43	-1.41
	185	39341.6	7697.4	-406.8	-0.15	-0.21	-8.56
7	184	52336.2	-6178.7	-996.1	0.13	0.57	-1.71
	185	-52336.2	9618.1	1210.1	-0.13	1.16	-10.63
8	184	51550.9	-4602.0	-869.9	0.09	0.51	-1.31
	185	-51550.9	7231.7	869.9	-0.09	0.84	-7.93
9	184	51506.6	-3422.8	-874.5	0.05	0.49	-0.91
	185	-51506.6	5445.2	696.0	-0.05	0.73	-6.01
10	184	52086.0	-4622.4	-952.6	0.08	0.53	-1.21
	185	-52086.0	7252.1	952.6	-0.08	0.96	-8.06
11	184	-39535.0	-6140.6	389.9	0.19	-0.38	-1.78
	185	39535.0	9276.3	-33.2	-0.19	0.05	-10.26
12	184	51892.5	-5695.3	-969.5	0.12	0.58	-1.58
	185	-51892.5	8831.1	1326.2	-0.12	1.21	-9.77
13	184	-40843.9	-3512.8	600.3	0.11	-0.47	-1.12
	185	40843.9	5299.0	-600.3	-0.11	-0.47	-5.76
14	184	50583.6	-3067.5	-759.0	0.05	0.49	-0.92
	185	-50583.6	4853.7	759.0	-0.05	0.69	-5.27
15	184	-40917.7	-1547.6	592.6	0.05	-0.51	-0.46
	185	40917.7	2321.6	-890.1	-0.05	-0.65	-2.56
16	184	50509.9	-1102.3	-766.8	-0.02	0.46	-0.26
	185	-50509.9	1876.3	469.3	0.02	0.51	-2.07
17	184	-39952.1	-3546.8	462.4	0.10	-0.44	-0.95
	185	39952.1	5333.0	-462.4	-0.10	-0.28	-5.98
18	184	51475.4	-3101.5	-897.0	0.03	0.52	-0.75
	185	-51475.4	4887.7	897.0	-0.03	0.88	-5.49
19	184	-70333.8	-5241.7	893.1	0.18	-0.73	-1.55
	185	70333.8	7837.6	-679.1	-0.18	-0.50	-8.67
20	184	82045.4	-4499.5	-1372.5	0.06	0.87	-1.21
	185	-82045.4	7095.5	1586.5	-0.06	1.44	-7.85
21	184	-71119.1	-3665.0	1019.4	0.13	-0.78	-1.15
	185	71119.1	5451.2	-1019.4	-0.13	-0.81	-5.97
22	184	81260.1	-2922.9	-1246.2	0.02	0.82	-0.81

	185	-81260.1	4709.1	1246.2	-0.02	1.13	-5.15
23	184	-71163.4	-2485.9	1014.8	0.09	-0.81	-0.75
	185	71163.4	3664.8	-1193.3	-0.09	-0.92	-4.05
24	184	81215.8	-1743.7	-1250.9	-0.02	0.80	-0.42
	185	-81215.8	2922.6	1072.4	0.02	1.02	-3.23
25	184	-70584.0	-3685.4	936.6	0.13	-0.77	-1.05
	185	70584.0	5471.6	-936.6	-0.13	-0.70	-6.10
26	184	81795.1	-2943.3	-1329.0	0.01	0.84	-0.71
	185	-81795.1	4729.5	1329.0	-0.01	1.24	-5.28
27	184	5488.3	-3270.8	133.7	0.07	-0.09	-0.63
	185	-5488.3	5081.0	-133.7	-0.07	-0.12	-5.64
28	184	5707.8	-3173.8	301.8	0.07	-0.17	-0.89
	185	-5707.8	4984.0	-301.8	-0.07	-0.30	-5.22
29	184	4485.6	-3461.5	-329.8	0.08	0.11	-0.44
	185	-4485.6	5271.8	329.8	-0.08	0.41	-6.29
30	184	4211.3	-3366.3	-278.6	0.08	0.08	-0.99
	185	-4211.3	5176.6	278.6	-0.08	0.36	-5.76
31	184	3354.8	-3492.4	-630.0	0.09	0.23	-0.99
	185	-3354.8	5302.7	630.0	-0.09	0.76	-6.14
32	184	3574.2	-3395.4	-461.8	0.08	0.15	-1.25
	185	-3574.2	5205.7	461.8	-0.08	0.57	-5.73
33	184	5217.0	-3138.2	230.7	0.07	-0.15	-1.32
	185	-5217.0	4948.5	-230.7	-0.07	-0.21	-4.92
34	184	4577.0	-3204.7	1.6	0.07	-0.05	-1.43
	185	-4577.0	5015.0	-1.6	-0.07	0.05	-5.07
35	184	4020.2	-2312.6	-112.9	0.05	0.02	-0.65
	185	-4020.2	3560.6	112.9	-0.05	0.16	-3.94
36	184	3832.1	-2339.5	-111.9	0.05	0.04	-0.67
	185	-3832.1	3564.9	254.5	-0.05	0.25	-3.95
37	184	3308.5	-1288.4	-27.7	0.02	0.00	-0.40
	185	-3308.5	1974.0	27.7	-0.02	0.04	-2.15
38	184	3279.0	-502.3	-30.8	-0.01	-0.01	-0.14
	185	-3279.0	783.0	-88.2	0.01	-0.03	-0.87
39	184	3665.2	-1302.0	-82.9	0.02	0.01	-0.33
	185	-3665.2	1987.6	82.9	-0.02	0.12	-2.23
40	184	-26966.7	-1440.6	391.4	0.04	-0.31	-0.43
	185	26966.7	2126.2	-391.4	-0.04	-0.30	-2.35
41	184	33984.9	-1143.7	-514.9	-0.00	0.33	-0.30
	185	-33984.9	1829.4	514.9	0.00	0.48	-2.03
42	184	4531.3	-3333.1	-164.1	0.08	0.03	-0.94
	185	-4531.3	5143.4	164.1	-0.08	0.23	-5.68
43	184	5743.6	-3274.3	144.5	0.07	-0.10	-0.61
	185	-5743.6	5084.6	-144.5	-0.07	-0.13	-5.64
44	184	5519.1	-3174.2	321.2	0.07	-0.18	-0.89
	185	-5519.1	4984.4	-321.2	-0.07	-0.32	-5.21
45	184	5235.5	-3467.4	-339.6	0.08	0.11	-0.42
	185	-5235.5	5277.7	339.6	-0.08	0.42	-6.32
46	184	4575.4	-3532.7	-577.7	0.09	0.22	-0.53
	185	-4575.4	5343.0	577.7	-0.09	0.69	-6.48
47	184	3543.5	-3492.0	-649.4	0.09	0.24	-0.98
	185	-3543.5	5302.3	649.4	-0.09	0.78	-6.16
48	184	3319.0	-3391.9	-472.7	0.08	0.15	-1.26
	185	-3319.0	5202.1	472.7	-0.08	0.58	-5.73
49	184	4487.1	-3133.5	249.6	0.07	-0.16	-1.34
	185	-4487.1	4943.8	-249.6	-0.07	-0.23	-4.89
50	184	3827.1	-3198.8	11.4	0.07	-0.06	-1.45

	185	-3827.1	5009.1	-11.4	-0.07	0.04	-5.04
51	184	4494.7	-1244.6	188.4	0.01	-0.09	-0.10
	185	-4494.7	1930.2	-188.4	-0.01	-0.20	-2.15
52	184	4312.4	-1164.1	329.4	0.01	-0.16	-0.33
	185	-4312.4	1849.7	-329.4	-0.01	-0.36	-1.81
53	184	4081.4	-1400.0	-200.5	0.02	0.08	0.05
	185	-4081.4	2085.6	200.5	-0.02	0.24	-2.70
54	184	3544.7	-1452.7	-392.9	0.03	0.16	-0.04
	185	-3544.7	2138.3	392.9	-0.03	0.46	-2.83
55	184	2705.8	-1420.2	-452.9	0.03	0.18	-0.40
	185	-2705.8	2105.9	452.9	-0.03	0.53	-2.57
56	184	2523.5	-1339.7	-311.9	0.02	0.11	-0.63
	185	-2523.5	2025.4	311.9	-0.02	0.38	-2.23
57	184	3473.5	-1131.7	269.4	0.01	-0.14	-0.69
	185	-3473.5	1817.3	-269.4	-0.01	-0.28	-1.55
58	184	2936.8	-1184.3	77.0	0.01	-0.06	-0.78
	185	-2936.8	1870.0	-77.0	-0.01	-0.06	-1.68
1	185	-382.1	2702.2	37.3	-0.02	-0.07	3.01
	186	382.1	-1759.5	-37.3	0.02	0.01	0.48
2	185	973.3	7415.2	200.5	-0.09	-0.28	8.20
	186	-973.3	-4785.5	-200.5	0.09	-0.03	1.32
3	185	-41834.7	9993.5	-345.0	-0.17	0.25	10.97
	186	41834.7	-6554.1	559.0	0.17	0.46	1.95
4	185	-42305.8	7657.3	-619.3	-0.13	0.48	8.42
	186	42305.8	-5027.6	619.3	0.13	0.49	1.49
5	185	-42614.9	5821.9	-897.2	-0.09	0.72	6.31
	186	42614.9	-3799.6	718.6	0.09	0.54	1.21
6	185	-42312.4	7586.3	-679.1	-0.12	0.54	8.23
	186	42312.4	-4956.6	679.1	0.12	0.52	1.57
7	185	44689.2	9595.9	1367.7	-0.10	-1.36	10.76
	186	-44689.2	-6156.5	-1153.7	0.10	-0.61	1.55
8	185	44218.1	7259.7	1093.4	-0.07	-1.12	8.21
	186	-44218.1	-4630.0	-1093.4	0.07	-0.58	1.08
9	185	43908.9	5424.3	815.5	-0.03	-0.88	6.09
	186	-43908.9	-3401.9	-994.1	0.03	-0.53	0.80
10	185	44211.4	7188.7	1033.6	-0.05	-1.06	8.01
	186	-44211.4	-4559.0	-1033.6	0.05	-0.56	1.16
11	185	-42209.8	9223.3	-219.4	-0.16	0.18	10.15
	186	42209.8	-6087.6	576.1	0.16	0.44	1.81
12	185	44314.1	8825.7	1493.3	-0.09	-1.43	9.93
	186	-44314.1	-5689.9	-1136.6	0.09	-0.63	1.41
13	185	-42995.0	5329.6	-676.6	-0.10	0.56	5.90
	186	42995.0	-3543.4	676.6	0.10	0.49	1.03
14	185	43528.9	4932.0	1036.1	-0.04	-1.04	5.68
	186	-43528.9	-3145.8	-1036.1	0.04	-0.58	0.63
15	185	-43510.2	2270.7	-1139.7	-0.04	0.97	2.37
	186	43510.2	-1496.7	842.1	0.04	0.58	0.57
16	185	43013.7	1873.0	573.0	0.03	-0.64	2.16
	186	-43013.7	-1099.0	-870.6	-0.03	-0.49	0.16
17	185	-43006.0	5211.3	-776.3	-0.08	0.67	5.58
	186	43006.0	-3425.1	776.3	0.08	0.54	1.17
18	185	43517.9	4813.7	936.4	-0.02	-0.93	5.36
	186	-43517.9	-3027.5	-936.4	0.02	-0.53	0.76
19	185	-71353.7	7769.6	-997.5	-0.15	0.89	8.44
	186	71353.7	-5173.6	1211.5	0.15	0.83	1.66

	185	72852.7	7106.8	1857.0	-0.04	-1.78	8.09
	186	-72852.7	-4510.9	-1643.0	0.04	-0.95	0.99
21	185	-71824.8	5433.3	-1271.8	-0.12	1.12	5.89
	186	71824.8	-3647.1	1271.8	0.12	0.86	1.20
22	185	72381.6	4770.6	1582.7	-0.01	-1.55	5.54
	186	-72381.6	-2984.4	-1582.7	0.01	-0.92	0.52
23	185	-72134.0	3598.0	-1549.7	-0.08	1.36	3.78
	186	72134.0	-2419.1	1371.2	0.08	0.92	0.92
24	185	72072.5	2935.2	1304.8	0.03	-1.31	3.42
	186	-72072.5	-1756.3	-1483.3	-0.03	-0.87	0.24
25	185	-71831.4	5362.3	-1331.6	-0.11	1.19	5.70
	186	71831.4	-3576.1	1331.6	0.11	0.89	1.28
26	185	72375.0	4699.6	1522.9	0.00	-1.48	5.35
	186	-72375.0	-2913.4	-1522.9	-0.00	-0.89	0.60
27	185	827.7	4821.3	-225.4	-0.04	0.20	4.99
	186	-827.7	-3011.0	225.4	0.04	0.16	0.89
28	185	2061.8	4951.9	-43.0	-0.05	-0.00	5.45
	186	-2061.8	-3141.6	43.0	0.05	0.07	0.63
29	185	-1211.6	4828.8	-249.4	-0.05	0.23	4.76
	186	1211.6	-3018.5	249.4	0.05	0.16	1.30
30	185	331.5	5183.6	216.2	-0.07	-0.28	5.80
	186	-331.5	-3373.3	-216.2	0.07	-0.06	0.96
31	185	-885.0	5278.2	313.7	-0.07	-0.38	5.88
	186	885.0	-3467.9	-313.7	0.07	-0.11	1.20
32	185	349.2	5408.8	496.0	-0.08	-0.58	6.34
	186	-349.2	-3598.6	-496.0	0.08	-0.19	0.94
33	185	2902.3	5264.2	358.4	-0.07	-0.44	6.30
	186	-2902.3	-3454.0	-358.4	0.07	-0.12	0.43
34	185	2388.5	5401.3	520.1	-0.08	-0.61	6.57
	186	-2388.5	-3591.0	-520.1	0.08	-0.20	0.52
35	185	136.6	3544.0	80.9	-0.04	-0.12	3.93
	186	-136.6	-2296.1	-80.9	0.04	-0.01	0.63
36	185	-12.6	3559.4	233.7	-0.04	-0.23	3.97
	186	12.6	-2333.9	-91.1	0.04	-0.03	0.63
37	185	-326.7	2001.9	50.9	-0.02	-0.07	2.27
	186	326.7	-1316.3	-50.9	0.02	-0.01	0.32
38	185	-532.7	778.3	-134.4	0.01	0.09	0.86
	186	532.7	-497.5	15.4	-0.01	0.03	0.13
39	185	-331.1	1954.6	11.0	-0.01	-0.03	2.15
	186	331.1	-1268.9	-11.0	0.01	0.01	0.37
40	185	-29156.5	2105.6	-544.4	-0.04	0.49	2.27
	186	29156.5	-1420.0	544.4	0.04	0.36	0.48
41	185	28526.1	1840.5	597.4	0.01	-0.58	2.13
	186	-28526.1	-1154.9	-597.4	-0.01	-0.35	0.21
42	185	588.4	5115.1	135.3	-0.06	-0.19	5.66
	186	-588.4	-3304.8	-135.3	0.06	-0.02	0.91
43	185	839.1	4819.1	-225.0	-0.04	0.20	4.97
	186	-839.1	-3008.8	225.0	0.04	0.16	0.89
44	185	2131.0	4954.1	-34.0	-0.05	-0.01	5.46
	186	-2131.0	-3143.9	34.0	0.05	0.07	0.61
45	185	-1295.7	4821.5	-262.5	-0.05	0.24	4.73
	186	1295.7	-3011.2	262.5	0.05	0.17	1.32
46	185	-1833.7	4958.6	-103.6	-0.06	0.07	5.00
	186	1833.7	-3148.3	103.6	0.06	0.09	1.42
47	185	-954.1	5276.0	304.6	-0.07	-0.37	5.87
	186	954.1	-3465.7	-304.6	0.07	-0.10	1.21

	185	337.7	5411.0	495.7	-0.08	-0.58	6.35
	186	-337.7	-3600.7	-495.7	0.08	-0.19	0.94
49	185	3010.5	5271.6	374.3	-0.07	-0.46	6.33
	186	-3010.5	-3461.3	-374.3	0.07	-0.13	0.41
50	185	2472.5	5408.6	533.2	-0.08	-0.63	6.60
	186	-2472.5	-3598.4	-533.2	0.08	-0.21	0.50
51	185	-118.7	1731.4	-264.2	0.00	0.27	1.64
	186	118.7	-1045.8	264.2	-0.00	0.15	0.33
52	185	918.6	1840.7	-111.2	-0.00	0.10	2.03
	186	-918.6	-1155.1	111.2	0.00	0.08	0.11
53	185	-1829.4	1734.8	-292.8	-0.00	0.30	1.44
	186	1829.4	-1049.2	292.8	0.00	0.16	0.67
54	185	-2258.5	1847.0	-164.2	-0.01	0.16	1.66
	186	2258.5	-1161.4	164.2	0.01	0.09	0.75
55	185	-1549.0	2105.4	164.3	-0.02	-0.19	2.37
	186	1549.0	-1419.8	-164.3	0.02	-0.06	0.59
56	185	-511.7	2214.7	317.3	-0.03	-0.36	2.76
	186	511.7	-1529.0	-317.3	0.03	-0.14	0.37
57	185	1628.1	2099.1	217.3	-0.02	-0.26	2.74
	186	-1628.1	-1413.4	-217.3	0.02	-0.08	-0.06
58	185	1199.0	2211.3	345.8	-0.02	-0.40	2.96
	186	-1199.0	-1525.6	-345.8	0.02	-0.15	0.02
1	186	-349.2	1190.8	6.6	0.03	0.03	-0.43
	187	349.2	-247.5	-6.6	-0.03	-0.04	1.55
2	186	1028.1	3257.7	48.7	0.11	0.09	-1.19
	187	-1028.1	-626.3	-48.7	-0.11	-0.16	4.22
3	186	-41639.7	4181.3	459.0	0.14	-0.21	-1.72
	187	41639.7	-739.6	-244.9	-0.14	-0.34	5.57
4	186	-42107.3	3184.0	296.0	0.10	-0.22	-1.30
	187	42107.3	-552.7	-296.0	-0.10	-0.24	4.22
5	186	-42384.3	2379.5	143.2	0.07	-0.21	-1.04
	187	42384.3	-355.8	-321.8	-0.07	-0.15	3.18
6	186	-42084.1	3129.1	272.3	0.10	-0.20	-1.37
	187	42084.1	-497.7	-272.3	-0.10	-0.22	4.20
7	186	44562.7	4390.3	-11.5	0.15	0.39	-1.43
	187	-44562.7	-948.7	225.6	-0.15	-0.21	5.60
8	186	44095.1	3393.1	-174.5	0.11	0.38	-1.00
	187	-44095.1	-761.7	174.5	-0.11	-0.11	4.25
9	186	43818.1	2588.6	-327.3	0.08	0.39	-0.74
	187	-43818.1	-564.9	148.6	-0.08	-0.02	3.21
10	186	44118.3	3338.2	-198.1	0.11	0.40	-1.07
	187	-44118.3	-706.8	198.1	-0.11	-0.09	4.23
11	186	-42039.4	3833.3	554.7	0.13	-0.23	-1.61
	187	42039.4	-695.5	-197.8	-0.13	-0.36	5.15
12	186	44163.0	4042.3	84.2	0.14	0.37	-1.31
	187	-44163.0	-904.6	272.7	-0.14	-0.22	5.18
13	186	-42818.8	2171.2	283.0	0.07	-0.25	-0.89
	187	42818.8	-383.8	-283.0	-0.07	-0.19	2.89
14	186	43383.5	2380.3	-187.5	0.08	0.35	-0.60
	187	-43383.5	-592.9	187.5	-0.08	-0.06	2.92
15	186	-43280.5	830.3	28.3	0.02	-0.24	-0.46
	187	43280.5	-55.8	-326.1	-0.02	-0.03	1.16
16	186	42921.9	1039.4	-442.1	0.02	0.36	-0.17
	187	-42921.9	-264.9	144.4	-0.02	0.10	1.19
17	186	-42780.1	2079.7	243.5	0.06	-0.23	-1.01

	187	42780.1	-292.3	-243.5	-0.06	-0.15	2.87
18	186	43422.3	2288.7	-226.9	0.07	0.38	-0.72
	187	-43422.3	-501.4	226.9	-0.07	-0.02	2.90
19	186	-71062.5	3078.1	594.8	0.10	-0.44	-1.45
	187	71062.5	-480.5	-380.6	-0.10	-0.33	4.23
20	186	72608.2	3426.6	-189.4	0.11	0.57	-0.95
	187	-72608.2	-829.0	403.5	-0.11	-0.10	4.28
21	186	-71530.1	2080.9	431.7	0.07	-0.45	-1.02
	187	71530.1	-293.5	-431.7	-0.07	-0.23	2.87
22	186	72140.5	2429.3	-352.4	0.08	0.56	-0.52
	187	-72140.5	-642.0	352.4	-0.08	-0.01	2.92
23	186	-71807.1	1276.4	279.0	0.03	-0.44	-0.76
	187	71807.1	-96.7	-457.6	-0.03	-0.13	1.83
24	186	71863.6	1624.8	-505.1	0.05	0.56	-0.26
	187	-71863.6	-445.2	326.5	-0.05	0.09	1.88
25	186	-71506.9	2026.0	408.1	0.06	-0.43	-1.09
	187	71506.9	-238.6	-408.1	-0.06	-0.21	2.86
26	186	72163.8	2374.4	-376.0	0.07	0.57	-0.59
	187	-72163.8	-587.1	376.0	-0.07	0.02	2.91
27	186	865.4	2040.9	-104.7	0.06	0.02	-0.79
	187	-865.4	-229.4	104.7	-0.06	0.06	2.80
28	186	1896.8	2194.0	-48.9	0.07	-0.02	-0.55
	187	-1896.8	-382.6	48.9	-0.07	0.00	2.78
29	186	-865.7	1953.1	-93.2	0.06	0.11	-1.17
	187	865.7	-141.7	93.2	-0.06	0.02	2.91
30	186	401.1	2286.2	65.2	0.08	0.08	-0.86
	187	-401.1	-474.8	-65.2	-0.08	-0.15	2.95
31	186	-642.3	2300.6	113.8	0.08	0.14	-1.08
	187	642.3	-489.1	-113.8	-0.08	-0.23	3.05
32	186	389.2	2453.7	169.5	0.09	0.10	-0.85
	187	-389.2	-642.3	-169.5	-0.09	-0.28	3.03
33	186	2572.5	2463.6	92.5	0.08	-0.02	-0.38
	187	-2572.5	-652.1	-92.5	-0.08	-0.16	2.84
34	186	2120.2	2541.5	158.1	0.09	0.02	-0.46
	187	-2120.2	-730.0	-158.1	-0.09	-0.24	2.92
35	186	168.1	1558.3	18.4	0.05	0.04	-0.56
	187	-168.1	-309.6	-18.4	-0.05	-0.07	2.02
36	186	-2.1	1554.8	121.1	0.05	0.03	-0.57
	187	2.1	-328.6	21.7	-0.05	-0.11	2.04
37	186	-313.8	890.0	12.4	0.02	0.02	-0.29
	187	313.8	-203.9	-12.4	-0.02	-0.04	1.14
38	186	-498.5	353.6	-89.5	0.00	0.02	-0.12
	187	498.5	-72.7	-29.6	-0.00	0.02	0.45
39	186	-298.3	853.4	-3.4	0.02	0.03	-0.34
	187	298.3	-167.3	3.4	-0.02	-0.02	1.13
40	186	-29025.1	799.7	161.2	0.02	-0.18	-0.41
	187	29025.1	-113.6	-161.2	-0.02	-0.08	1.12
41	186	28443.1	939.1	-152.5	0.03	0.22	-0.21
	187	-28443.1	-253.0	152.5	-0.03	0.01	1.14
42	186	627.3	2247.3	32.4	0.07	0.06	-0.82
	187	-627.3	-435.9	-32.4	-0.07	-0.11	2.91
43	186	872.9	2036.0	-101.1	0.06	0.02	-0.79
	187	-872.9	-224.6	101.1	-0.06	0.05	2.80
44	186	1952.3	2195.7	-43.9	0.07	-0.02	-0.54
	187	-1952.3	-384.2	43.9	-0.07	-0.00	2.78
45	186	-936.2	1941.8	-94.3	0.06	0.11	-1.19

	187	936.2	-130.3	94.3	-0.06	0.02	2.91
46	186	-1407.4	2020.6	-31.3	0.06	0.14	-1.28
	187	1407.4	-209.2	31.3	-0.06	-0.06	2.98
47	186	-697.8	2298.9	108.8	0.08	0.14	-1.09
	187	697.8	-487.5	-108.8	-0.08	-0.22	3.05
48	186	381.6	2458.5	166.0	0.09	0.10	-0.84
	187	-381.6	-647.1	-166.0	-0.09	-0.27	3.03
49	186	2661.9	2473.9	96.2	0.08	-0.02	-0.36
	187	-2661.9	-662.5	-96.2	-0.08	-0.16	2.85
50	186	2190.7	2552.8	159.2	0.09	0.02	-0.45
	187	-2190.7	-741.4	-159.2	-0.09	-0.24	2.92
51	186	-97.4	697.5	-103.7	0.01	-0.01	-0.29
	187	97.4	-11.5	103.7	-0.01	0.10	1.04
52	186	769.3	826.2	-57.9	0.02	-0.04	-0.09
	187	-769.3	-140.2	57.9	-0.02	0.06	1.03
53	186	-1547.4	622.6	-97.5	0.01	0.06	-0.61
	187	1547.4	63.4	97.5	-0.01	0.07	1.13
54	186	-1923.5	687.1	-46.4	0.01	0.09	-0.68
	187	1923.5	-1.1	46.4	-0.01	0.01	1.19
55	186	-1351.2	912.5	66.6	0.03	0.09	-0.54
	187	1351.2	-226.5	-66.6	-0.03	-0.12	1.24
56	186	-484.6	1041.2	112.4	0.04	0.06	-0.33
	187	484.6	-355.1	-112.4	-0.04	-0.16	1.23
57	186	1341.5	1051.6	55.1	0.03	-0.04	0.06
	187	-1341.5	-365.5	-55.1	-0.03	-0.07	1.08
58	186	965.4	1116.1	106.2	0.04	-0.01	-0.02
	187	-965.4	-430.0	-106.2	-0.04	-0.14	1.14
1	187	-344.3	-227.8	-10.5	-0.03	0.05	-1.55
	188	344.3	1171.1	10.5	0.03	-0.03	0.46
2	187	1031.3	-585.6	-49.4	-0.10	0.17	-4.22
	188	-1031.3	3217.0	49.4	0.10	-0.09	1.25
3	187	-41618.7	-784.2	-310.5	-0.13	0.39	-5.56
	188	41618.7	4225.9	524.7	0.13	0.26	1.64
4	187	-42101.9	-567.8	-330.7	-0.10	0.27	-4.21
	188	42101.9	3199.1	330.7	0.10	0.25	1.26
5	187	-42368.6	-441.8	-375.3	-0.07	0.19	-3.17
	188	42368.6	2465.5	196.6	0.07	0.26	0.89
6	187	-42054.8	-611.5	-353.4	-0.10	0.28	-4.19
	188	42054.8	3242.8	353.4	0.10	0.27	1.18
7	187	44553.8	-776.3	276.3	-0.14	0.18	-5.60
	188	-44553.8	4217.9	-62.2	0.14	-0.44	1.70
8	187	44070.6	-559.8	256.1	-0.10	0.06	-4.26
	188	-44070.6	3191.2	-256.1	0.10	-0.46	1.32
9	187	43803.9	-433.8	211.6	-0.08	-0.02	-3.21
	188	-43803.9	2457.5	-390.2	0.08	-0.45	0.95
10	187	44117.7	-603.5	233.4	-0.11	0.07	-4.24
	188	-44117.7	3234.9	-233.4	0.11	-0.43	1.24
11	187	-42015.6	-735.1	-269.5	-0.12	0.41	-5.13
	188	42015.6	3872.8	626.4	0.12	0.29	1.53
12	187	44156.9	-727.1	317.3	-0.13	0.20	-5.18
	188	-44156.9	3864.9	39.6	0.13	-0.41	1.59
13	187	-42821.0	-374.3	-303.1	-0.06	0.21	-2.88
	188	42821.0	2161.6	303.1	0.06	0.27	0.90
14	187	43351.6	-366.3	283.7	-0.07	-0.01	-2.93
	188	-43351.6	2153.7	-283.7	0.07	-0.44	0.96

	187	-43265.5	-164.3	-377.4	-0.02	0.07	-1.15
	188	43265.5	938.9	79.7	0.02	0.29	0.29
16	187	42907.0	-156.4	209.4	-0.02	-0.14	-1.20
	188	-42907.0	930.9	-507.2	0.02	-0.42	0.35
17	187	-42742.5	-447.1	-341.0	-0.06	0.23	-2.85
	188	42742.5	2234.4	341.0	0.06	0.31	0.75
18	187	43430.1	-439.1	245.8	-0.07	0.01	-2.90
	188	-43430.1	2226.5	-245.8	0.07	-0.40	0.81
19	187	-71030.7	-608.0	-486.7	-0.10	0.40	-4.21
	188	71030.7	3205.6	700.8	0.10	0.53	1.23
20	187	72590.3	-594.7	491.4	-0.11	0.05	-4.29
	188	-72590.3	3192.3	-277.2	0.11	-0.65	1.33
21	187	-71513.9	-391.5	-506.8	-0.06	0.28	-2.86
	188	71513.9	2178.8	506.8	0.06	0.51	0.85
22	187	72107.0	-378.2	471.2	-0.07	-0.07	-2.94
	188	-72107.0	2165.6	-471.2	0.07	-0.66	0.95
23	187	-71780.6	-265.5	-551.4	-0.03	0.20	-1.82
	188	71780.6	1445.2	372.8	0.03	0.52	0.48
24	187	71840.3	-252.3	426.7	-0.04	-0.15	-1.90
	188	-71840.3	1431.9	-605.3	0.04	-0.65	0.58
25	187	-71466.8	-435.2	-529.6	-0.06	0.29	-2.84
	188	71466.8	2222.5	529.6	0.06	0.54	0.76
26	187	72154.1	-421.9	448.5	-0.07	-0.06	-2.92
	188	-72154.1	2209.3	-448.5	0.07	-0.64	0.86
27	187	859.8	-384.0	74.5	-0.07	-0.03	-2.79
	188	-859.8	2195.5	-74.5	0.07	-0.12	0.54
28	187	1706.0	-232.9	130.8	-0.06	-0.08	-2.81
	188	-1706.0	2044.3	-130.8	0.06	-0.16	0.79
29	187	-584.7	-628.8	-86.1	-0.08	0.15	-2.84
	188	584.7	2440.2	86.1	0.08	-0.02	0.38
30	187	433.6	-435.5	-73.6	-0.07	0.16	-2.95
	188	-433.6	2247.0	73.6	0.07	-0.04	0.92
31	187	-446.8	-579.5	-196.7	-0.08	0.30	-3.02
	188	446.8	2391.0	196.7	0.08	0.03	0.93
32	187	399.4	-428.4	-140.4	-0.07	0.25	-3.04
	188	-399.4	2239.8	140.4	0.07	-0.01	1.18
33	187	2235.9	-125.0	101.5	-0.06	-0.02	-2.91
	188	-2235.9	1936.4	-101.5	0.06	-0.15	1.22
34	187	1843.9	-183.6	20.2	-0.06	0.08	-2.98
	188	-1843.9	1995.0	-20.2	0.06	-0.11	1.34
35	187	171.1	-286.9	-20.0	-0.05	0.07	-2.02
	188	-171.1	1535.7	20.0	0.05	-0.04	0.60
36	187	3.4	-297.4	14.5	-0.05	0.11	-2.04
	188	-3.4	1523.6	128.2	0.05	-0.02	0.62
37	187	-318.7	-153.1	1.1	-0.02	0.03	-1.14
	188	318.7	839.1	-1.1	0.02	-0.03	0.37
38	187	-496.5	-69.1	-28.6	-0.00	-0.02	-0.45
	188	496.5	350.0	-90.5	0.00	-0.03	0.12
39	187	-287.3	-182.2	-14.0	-0.02	0.04	-1.13
	188	287.3	868.3	14.0	0.02	-0.02	0.31
40	187	-29011.6	-170.3	-202.6	-0.02	0.11	-1.12
	188	29011.6	856.4	202.6	0.02	0.21	0.31
41	187	28436.8	-165.0	188.6	-0.02	-0.04	-1.15
	188	-28436.8	851.1	-188.6	0.02	-0.26	0.35
42	187	629.6	-406.2	-33.0	-0.07	0.11	-2.91
	188	-629.6	2217.6	33.0	0.07	-0.06	0.86

	187	864.4	-385.1	75.7	-0.07	-0.02	-2.79
	188	-864.4	2196.6	-75.7	0.07	-0.12	0.53
44	187	1749.9	-227.5	132.6	-0.06	-0.08	-2.81
	188	-1749.9	2038.9	-132.6	0.06	-0.16	0.80
45	187	-643.0	-639.0	-86.8	-0.08	0.15	-2.84
	188	643.0	2450.5	86.8	0.08	-0.02	0.36
46	187	-1049.5	-699.0	-169.1	-0.08	0.25	-2.91
	188	1049.5	2510.4	169.1	0.08	0.03	0.48
47	187	-490.7	-584.9	-198.6	-0.08	0.30	-3.01
	188	490.7	2396.4	198.6	0.08	0.03	0.92
48	187	394.8	-427.3	-141.6	-0.07	0.25	-3.03
	188	-394.8	2238.7	141.6	0.07	-0.01	1.19
49	187	2308.7	-113.4	103.2	-0.06	-0.02	-2.91
	188	-2308.7	1924.9	-103.2	0.06	-0.15	1.24
50	187	1902.2	-173.4	20.9	-0.06	0.08	-2.98
	188	-1902.2	1984.8	-20.9	0.06	-0.11	1.36
51	187	-101.5	-150.0	81.2	-0.02	-0.08	-1.03
	188	101.5	836.1	-81.2	0.02	-0.07	0.07
52	187	609.4	-23.0	126.9	-0.02	-0.12	-1.05
	188	-609.4	709.1	-126.9	0.02	-0.10	0.28
53	187	-1309.8	-355.0	-49.7	-0.03	0.06	-1.08
	188	1309.8	1041.1	49.7	0.03	0.01	-0.07
54	187	-1634.6	-403.7	-116.4	-0.03	0.14	-1.13
	188	1634.6	1089.7	116.4	0.03	0.05	0.03
55	187	-1184.2	-312.3	-140.9	-0.03	0.19	-1.21
	188	1184.2	998.3	140.9	0.03	0.05	0.39
56	187	-473.4	-185.3	-95.2	-0.02	0.15	-1.23
	188	473.4	871.3	95.2	0.02	0.02	0.60
57	187	1059.8	68.4	102.4	-0.01	-0.07	-1.13
	188	-1059.8	617.7	-102.4	0.01	-0.09	0.64
58	187	735.0	19.7	35.7	-0.02	0.01	-1.19
	188	-735.0	666.4	-35.7	0.02	-0.06	0.74
1	188	-364.5	-1726.5	-62.4	0.01	0.01	-0.50
	189	364.5	2669.3	62.4	-0.01	0.09	-2.93
2	188	985.2	-4723.2	-222.2	0.08	0.04	-1.38
	189	-985.2	7352.9	222.2	-0.08	0.30	-8.05
3	188	-41770.9	-6566.6	451.9	0.15	-0.41	-1.84
	189	41770.9	10006.0	-237.9	-0.15	-0.13	-11.10
4	188	-42289.8	-5017.1	566.9	0.12	-0.47	-1.44
	189	42289.8	7646.8	-566.9	-0.12	-0.42	-8.45
5	188	-42564.9	-3862.4	621.9	0.08	-0.50	-1.04
	189	42564.9	5884.8	-800.4	-0.08	-0.61	-6.57
6	188	-42220.8	-5042.5	534.9	0.11	-0.46	-1.34
	189	42220.8	7672.2	-534.9	-0.11	-0.38	-8.59
7	188	44664.2	-5962.8	-1100.5	0.08	0.60	-1.83
	189	-44664.2	9402.2	1314.5	-0.08	1.28	-10.17
8	188	44145.2	-4413.3	-985.6	0.05	0.55	-1.43
	189	-44145.2	7043.0	985.6	-0.05	0.99	-7.52
9	188	43870.1	-3258.6	-930.5	0.02	0.52	-1.03
	189	-43870.1	5281.0	752.0	-0.02	0.80	-5.64
10	188	44214.2	-4438.7	-1017.5	0.04	0.56	-1.33
	189	-44214.2	7068.4	1017.5	-0.04	1.03	-7.65
11	188	-42138.1	-6095.9	463.7	0.15	-0.40	-1.71
	189	42138.1	9231.7	-107.0	-0.15	-0.05	-10.26
12	188	44296.9	-5492.1	-1088.7	0.08	0.62	-1.70

	189	-44296.9	8627.9	1445.4	-0.08	1.36	-9.33
13	188	-43003.1	-3513.4	655.3	0.09	-0.49	-1.04
	189	43003.1	5299.6	-655.3	-0.09	-0.54	-5.85
14	188	43431.9	-2909.6	-897.1	0.02	0.53	-1.02
	189	-43431.9	4695.8	897.1	-0.02	0.87	-4.92
15	188	-43461.6	-1588.9	747.1	0.03	-0.54	-0.37
	189	43461.6	2363.0	-1044.6	-0.03	-0.86	-2.72
16	188	42973.4	-985.1	-805.4	-0.04	0.47	-0.36
	189	-42973.4	1759.2	507.8	0.04	0.55	-1.78
17	188	-42888.1	-3555.8	602.1	0.08	-0.47	-0.87
	189	42888.1	5342.0	-602.1	-0.08	-0.47	-6.08
18	188	43547.0	-2952.0	-950.3	0.01	0.54	-0.86
	189	-43547.0	4738.2	950.3	-0.01	0.94	-5.14
19	188	-71257.4	-5269.5	1049.3	0.14	-0.77	-1.41
	189	71257.4	7865.5	-835.3	-0.14	-0.70	-8.85
20	188	72801.0	-4263.2	-1538.1	0.03	0.92	-1.39
	189	-72801.0	6859.1	1752.1	-0.03	1.65	-7.30
21	188	-71776.4	-3720.0	1164.2	0.11	-0.82	-1.00
	189	71776.4	5506.2	-1164.2	-0.11	-0.99	-6.20
22	188	72282.0	-2713.7	-1423.1	-0.01	0.87	-0.99
	189	-72282.0	4499.9	1423.1	0.01	1.35	-4.65
23	188	-72051.5	-2565.3	1219.3	0.07	-0.86	-0.61
	189	72051.5	3744.2	-1397.8	-0.07	-1.18	-4.32
24	188	72006.9	-1559.0	-1368.1	-0.04	0.84	-0.59
	189	-72006.9	2737.9	1189.6	0.04	1.16	-2.77
25	188	-71707.4	-3745.5	1132.3	0.10	-0.82	-0.91
	189	71707.4	5531.7	-1132.3	-0.10	-0.95	-6.34
26	188	72351.0	-2739.1	-1455.1	-0.01	0.88	-0.89
	189	-72351.0	4525.3	1455.1	0.01	1.39	-4.78
27	188	796.9	-3178.2	60.0	0.04	-0.07	-0.63
	189	-796.9	4988.4	-60.0	-0.04	-0.02	-5.47
28	188	1444.4	-3055.4	226.0	0.03	-0.15	-0.91
	189	-1444.4	4865.7	-226.0	-0.03	-0.21	-5.01
29	188	-324.9	-3421.5	-339.5	0.06	0.12	-0.44
	189	324.9	5231.7	339.5	-0.06	0.41	-6.23
30	188	440.2	-3302.5	-239.2	0.06	0.07	-1.01
	189	-440.2	5112.8	239.2	-0.06	0.30	-5.64
31	188	-249.9	-3464.0	-528.0	0.07	0.21	-1.00
	189	249.9	5274.2	528.0	-0.07	0.62	-6.09
32	188	397.6	-3341.2	-362.0	0.07	0.13	-1.28
	189	-397.6	5151.4	362.0	-0.07	0.44	-5.63
33	188	1833.5	-3012.1	213.9	0.03	-0.14	-1.36
	189	-1833.5	4822.4	-213.9	-0.03	-0.19	-4.68
34	188	1519.5	-3097.9	37.5	0.04	-0.06	-1.47
	189	-1519.5	4908.2	-37.5	-0.04	0.00	-4.87
35	188	147.3	-2260.8	-97.7	0.03	0.02	-0.66
	189	-147.3	3508.7	97.7	-0.03	0.14	-3.85
36	188	5.1	-2289.6	-112.5	0.03	0.04	-0.67
	189	-5.1	3515.0	255.2	-0.03	0.25	-3.86
37	188	-340.9	-1256.6	-35.9	0.01	0.00	-0.40
	189	340.9	1942.2	35.9	-0.01	0.05	-2.10
38	188	-524.3	-486.8	0.8	-0.01	-0.02	-0.14
	189	524.3	767.5	-119.8	0.01	-0.07	-0.84
39	188	-294.9	-1273.5	-57.2	0.01	0.01	-0.34
	189	294.9	1959.1	57.2	-0.01	0.08	-2.19
40	188	-29114.2	-1463.2	473.0	0.03	-0.33	-0.37

	189	29114.2	2148.8	-473.0	-0.03	-0.40	-2.45
41	188	28509.1	-1060.6	-561.9	-0.02	0.34	-0.36
	189	-28509.1	1746.3	561.9	0.02	0.53	-1.83
42	188	597.3	-3259.7	-151.0	0.05	0.03	-0.95
	189	-597.3	5069.9	151.0	-0.05	0.21	-5.55
43	188	799.5	-3185.7	59.8	0.04	-0.07	-0.62
	189	-799.5	4995.9	-59.8	-0.04	-0.03	-5.48
44	188	1476.9	-3058.4	231.7	0.03	-0.15	-0.91
	189	-1476.9	4868.7	-231.7	-0.03	-0.21	-4.99
45	188	-369.5	-3430.5	-348.4	0.06	0.12	-0.42
	189	369.5	5240.7	348.4	-0.06	0.42	-6.27
46	188	-694.0	-3513.0	-526.5	0.07	0.21	-0.53
	189	694.0	5323.3	526.5	-0.07	0.62	-6.45
47	188	-282.4	-3460.9	-533.7	0.07	0.21	-1.00
	189	282.4	5271.2	533.7	-0.07	0.63	-6.11
48	188	395.0	-3333.7	-361.9	0.06	0.13	-1.29
	189	-395.0	5143.9	361.9	-0.06	0.44	-5.62
49	188	1888.6	-3006.3	224.5	0.03	-0.15	-1.38
	189	-1888.6	4816.6	-224.5	-0.03	-0.20	-4.65
50	188	1564.0	-3088.9	46.4	0.04	-0.07	-1.49
	189	-1564.0	4899.2	-46.4	-0.04	-0.01	-4.84
51	188	-142.0	-1201.4	126.4	-0.00	-0.08	-0.10
	189	142.0	1887.0	-126.4	0.00	-0.12	-2.08
52	188	401.8	-1098.8	264.0	-0.01	-0.14	-0.33
	189	-401.8	1784.4	-264.0	0.01	-0.27	-1.69
53	188	-1079.1	-1399.3	-201.8	0.02	0.08	0.07
	189	1079.1	2084.9	201.8	-0.02	0.24	-2.71
54	188	-1338.6	-1466.4	-345.6	0.02	0.15	-0.03
	189	1338.6	2152.0	345.6	-0.02	0.39	-2.87
55	188	-1006.9	-1425.0	-352.9	0.02	0.15	-0.40
	189	1006.9	2110.6	352.9	-0.02	0.40	-2.59
56	188	-463.2	-1322.4	-215.4	0.02	0.08	-0.64
	189	463.2	2008.0	215.4	-0.02	0.25	-2.20
57	188	733.5	-1057.4	256.7	-0.01	-0.14	-0.71
	189	-733.5	1743.0	-256.7	0.01	-0.26	-1.41
58	188	474.0	-1124.5	112.9	-0.00	-0.07	-0.80
	189	-474.0	1810.1	-112.9	0.00	-0.11	-1.56
1	189	2236.6	2819.5	55.6	-0.05	-0.09	3.25
	190	-2236.6	-1876.7	-55.6	0.05	0.01	0.42
2	189	5529.2	7646.8	205.9	-0.15	-0.30	8.66
	190	-5529.2	-5017.2	-205.9	0.15	-0.02	1.23
3	189	-25308.8	10275.8	-311.3	-0.22	0.22	11.50
	190	25308.8	-6836.4	525.3	0.22	0.44	1.87
4	189	-26706.5	7888.9	-590.0	-0.17	0.45	8.85
	190	26706.5	-5259.2	590.0	0.17	0.47	1.42
5	189	-27952.1	6006.2	-825.6	-0.12	0.64	6.66
	190	27952.1	-3983.8	647.0	0.12	0.51	1.15
6	189	-26954.1	7808.9	-617.0	-0.16	0.48	8.65
	190	26954.1	-5179.3	617.0	0.16	0.48	1.50
7	189	39404.3	9888.6	1303.0	-0.21	-1.30	11.35
	190	-39404.3	-6449.2	-1089.0	0.21	-0.56	1.41
8	189	38006.6	7501.7	1024.4	-0.15	-1.07	8.70
	190	-38006.6	-4872.1	-1024.4	0.15	-0.53	0.96
9	189	36761.0	5619.0	788.8	-0.10	-0.88	6.51
	190	-36761.0	-3596.7	-967.3	0.10	-0.50	0.69

	189	37759.0	7421.8	997.3	-0.14	-1.04	8.50
	190	-37759.0	-4792.1	-997.3	0.14	-0.52	1.04
11	189	-25942.7	9485.7	-193.1	-0.21	0.15	10.63
	190	25942.7	-6349.9	549.8	0.21	0.43	1.74
12	189	38770.4	9098.5	1421.2	-0.19	-1.36	10.48
	190	-38770.4	-5962.8	-1064.5	0.19	-0.58	1.28
13	189	-28272.3	5507.5	-657.6	-0.13	0.55	6.22
	190	28272.3	-3721.3	657.6	0.13	0.48	0.99
14	189	36440.8	5120.4	956.8	-0.11	-0.97	6.07
	190	-36440.8	-3334.2	-956.8	0.11	-0.52	0.53
15	189	-30348.2	2369.7	-1050.2	-0.04	0.87	2.56
	190	30348.2	-1595.7	752.7	0.04	0.54	0.53
16	189	34364.9	1982.5	564.1	-0.02	-0.65	2.42
	190	-34364.9	-1208.5	-861.7	0.02	-0.46	0.08
17	189	-28684.9	5374.3	-702.7	-0.10	0.59	5.88
	190	28684.9	-3588.1	702.7	0.10	0.50	1.12
18	189	36028.2	4987.1	911.7	-0.08	-0.92	5.74
	190	-36028.2	-3200.9	-911.7	0.08	-0.50	0.66
19	189	-48526.1	7991.1	-924.6	-0.18	0.82	8.84
	190	48526.1	-5395.2	1138.6	0.18	0.79	1.61
20	189	59329.1	7345.9	1766.0	-0.15	-1.71	8.59
	190	-59329.1	-4750.0	-1552.0	0.15	-0.88	0.85
21	189	-49923.8	5604.3	-1203.2	-0.13	1.06	6.19
	190	49923.8	-3818.1	1203.2	0.13	0.82	1.16
22	189	57931.3	4959.0	1487.3	-0.09	-1.47	5.95
	190	-57931.3	-3172.8	-1487.3	0.09	-0.85	0.40
23	189	-51169.4	3721.6	-1438.8	-0.07	1.25	4.00
	190	51169.4	-2542.7	1260.3	0.07	0.85	0.89
24	189	56685.8	3076.3	1251.7	-0.04	-1.28	3.75
	190	-56685.8	-1897.4	-1430.3	0.04	-0.82	0.13
25	189	-50171.4	5524.3	-1230.3	-0.11	1.09	5.99
	190	50171.4	-3738.1	1230.3	0.11	0.83	1.24
26	189	57683.7	4879.1	1460.3	-0.08	-1.44	5.74
	190	-57683.7	-3092.9	-1460.3	0.08	-0.84	0.48
27	189	3973.2	4983.9	-157.5	-0.08	0.11	5.29
	190	-3973.2	-3173.7	157.5	0.08	0.13	0.82
28	189	5230.5	5129.0	11.3	-0.09	-0.07	5.79
	190	-5230.5	-3318.8	-11.3	0.09	0.05	0.54
29	189	1979.7	4969.1	-205.7	-0.08	0.17	5.02
	190	-1979.7	-3158.8	205.7	0.08	0.15	1.25
30	189	3623.5	5343.3	203.1	-0.11	-0.27	6.12
	190	-3623.5	-3533.0	-203.1	0.11	-0.05	0.89
31	189	2468.1	5425.1	267.5	-0.12	-0.34	6.18
	190	-2468.1	-3614.8	-267.5	0.12	-0.08	1.15
32	189	3725.3	5570.2	436.3	-0.13	-0.52	6.68
	190	-3725.3	-3760.0	-436.3	0.13	-0.16	0.87
33	189	6170.4	5452.8	357.0	-0.12	-0.44	6.68
	190	-6170.4	-3642.5	-357.0	0.12	-0.11	0.34
34	189	5718.9	5585.1	484.5	-0.13	-0.58	6.95
	190	-5718.9	-3774.8	-484.5	0.13	-0.18	0.44
35	189	2751.8	3668.0	89.3	-0.07	-0.13	4.18
	190	-2751.8	-2420.0	-89.3	0.07	-0.00	0.57
36	189	2666.6	3682.4	232.5	-0.08	-0.23	4.22
	190	-2666.6	-2457.0	-89.9	0.08	-0.02	0.58
37	189	1734.8	2091.2	46.8	-0.04	-0.07	2.45
	190	-1734.8	-1405.5	-46.8	0.04	-0.00	0.28

	189	904.4	836.0	-110.3	-0.01	0.06	0.99
	190	-904.4	-555.3	-8.7	0.01	0.02	0.10
39	189	1569.7	2037.8	28.7	-0.03	-0.05	2.32
	190	-1569.7	-1352.2	-28.7	0.03	0.01	0.33
40	189	-19916.8	2187.9	-498.9	-0.04	0.44	2.43
	190	19916.8	-1502.3	498.9	0.04	0.34	0.46
41	189	23225.3	1929.8	577.3	-0.03	-0.57	2.33
	190	-23225.3	-1244.2	-577.3	0.03	-0.33	0.15
42	189	3849.3	5277.1	139.4	-0.11	-0.20	5.98
	190	-3849.3	-3466.8	-139.4	0.11	-0.01	0.85
43	189	3973.0	4984.7	-155.5	-0.08	0.11	5.28
	190	-3973.0	-3174.4	155.5	0.08	0.13	0.82
44	189	5287.1	5135.9	19.9	-0.09	-0.08	5.80
	190	-5287.1	-3325.6	-19.9	0.09	0.05	0.53
45	189	1893.3	4960.1	-215.1	-0.08	0.18	4.98
	190	-1893.3	-3149.8	215.1	0.08	0.15	1.27
46	189	1424.9	5090.1	-90.8	-0.09	0.05	5.25
	190	-1424.9	-3279.8	90.8	0.09	0.09	1.37
47	189	2411.5	5418.3	258.9	-0.12	-0.33	6.17
	190	-2411.5	-3608.0	-258.9	0.12	-0.08	1.16
48	189	3725.6	5569.4	434.3	-0.13	-0.52	6.69
	190	-3725.6	-3759.2	-434.3	0.13	-0.16	0.87
49	189	6273.7	5464.0	369.6	-0.12	-0.46	6.72
	190	-6273.7	-3653.8	-369.6	0.12	-0.12	0.32
50	189	5805.2	5594.1	493.9	-0.13	-0.59	6.98
	190	-5805.2	-3783.8	-493.9	0.13	-0.18	0.42
51	189	1754.6	1820.5	-198.3	-0.01	0.19	1.80
	190	-1754.6	-1134.9	198.3	0.01	0.12	0.28
52	189	2811.8	1942.5	-57.7	-0.02	0.03	2.22
	190	-2811.8	-1256.9	57.7	0.02	0.06	0.05
53	189	81.0	1802.3	-245.3	-0.01	0.24	1.57
	190	-81.0	-1116.7	245.3	0.01	0.14	0.64
54	189	-296.4	1908.7	-144.9	-0.02	0.14	1.79
	190	296.4	-1223.1	144.9	0.02	0.09	0.73
55	189	496.6	2175.1	136.1	-0.05	-0.16	2.53
	190	-496.6	-1489.5	-136.1	0.05	-0.05	0.56
56	189	1553.8	2297.2	276.7	-0.06	-0.32	2.95
	190	-1553.8	-1611.5	-276.7	0.06	-0.11	0.33
57	189	3604.9	2209.0	223.4	-0.05	-0.27	2.97
	190	-3604.9	-1523.4	-223.4	0.05	-0.08	-0.12
58	189	3227.5	2315.4	323.7	-0.06	-0.37	3.18
	190	-3227.5	-1629.7	-323.7	0.06	-0.13	-0.04
1	190	2256.8	1280.1	17.4	0.02	0.03	-0.38
	191	-2256.8	-336.8	-17.4	-0.02	-0.05	1.65
2	190	5576.2	3430.6	55.8	0.07	0.08	-1.11
	191	-5576.2	-799.3	-55.8	-0.07	-0.17	4.42
3	190	-25157.6	4409.7	467.5	0.12	-0.20	-1.66
	191	25157.6	-968.1	-253.4	-0.12	-0.37	5.86
4	190	-26554.6	3373.9	305.3	0.09	-0.21	-1.24
	191	26554.6	-742.5	-305.3	-0.09	-0.26	4.46
5	190	-27797.3	2533.8	187.5	0.07	-0.24	-1.00
	191	27797.3	-510.2	-366.2	-0.07	-0.19	3.38
6	190	-26791.6	3313.0	304.7	0.09	-0.22	-1.32
	191	26791.6	-681.6	-304.7	-0.09	-0.26	4.44
7	190	39342.0	4592.3	-45.4	0.07	0.42	-1.32

	191	-39342.0	-1150.7	259.5	-0.07	-0.18	5.81
8	190	37945.0	3556.4	-207.6	0.04	0.40	-0.90
	191	-37945.0	-925.1	207.6	-0.04	-0.08	4.41
9	190	36702.3	2716.4	-325.4	0.02	0.37	-0.66
	191	-36702.3	-692.7	146.7	-0.02	-0.01	3.32
10	190	37708.0	3495.5	-208.2	0.04	0.40	-0.98
	191	-37708.0	-864.2	208.2	-0.04	-0.07	4.39
11	190	-25806.6	4048.1	551.8	0.11	-0.21	-1.54
	191	25806.6	-910.3	-194.9	-0.11	-0.37	5.42
12	190	38692.9	4230.6	38.9	0.06	0.40	-1.20
	191	-38692.9	-1092.9	318.0	-0.06	-0.18	5.36
13	190	-28134.9	2321.6	281.4	0.07	-0.24	-0.85
	191	28134.9	-534.3	-281.4	-0.07	-0.20	3.08
14	190	36364.6	2504.2	-231.5	0.02	0.38	-0.51
	191	-36364.6	-716.9	231.5	-0.02	-0.01	3.03
15	190	-30206.1	921.6	85.1	0.03	-0.28	-0.45
	191	30206.1	-147.0	-382.9	-0.03	-0.09	1.28
16	190	34293.5	1104.1	-427.8	-0.02	0.33	-0.10
	191	-34293.5	-329.6	130.0	0.02	0.10	1.22
17	190	-28529.9	2220.2	280.5	0.07	-0.24	-0.98
	191	28529.9	-432.8	-280.5	-0.07	-0.20	3.05
18	190	35969.6	2402.7	-232.4	0.02	0.37	-0.64
	191	-35969.6	-615.4	232.4	-0.02	-0.01	3.00
19	190	-48317.1	3273.6	619.3	0.11	-0.43	-1.41
	191	48317.1	-676.0	-405.1	-0.11	-0.37	4.49
20	190	59182.1	3577.9	-235.6	0.03	0.59	-0.84
	191	-59182.1	-980.3	449.7	-0.03	-0.06	4.40
21	190	-49714.1	2237.8	457.1	0.09	-0.45	-0.99
	191	49714.1	-450.4	-457.1	-0.09	-0.27	3.09
22	190	57785.1	2542.0	-397.8	0.00	0.58	-0.42
	191	-57785.1	-754.7	397.8	-0.00	0.05	3.00
23	190	-50956.8	1397.7	339.3	0.06	-0.47	-0.75
	191	50956.8	-218.1	-517.9	-0.06	-0.20	2.01
24	190	56542.4	1702.0	-515.6	-0.02	0.55	-0.18
	191	-56542.4	-522.3	336.9	0.02	0.12	1.92
25	190	-49951.1	2176.9	456.5	0.08	-0.45	-1.07
	191	49951.1	-389.5	-456.5	-0.08	-0.26	3.07
26	190	57548.1	2481.1	-398.4	-0.00	0.57	-0.50
	191	-57548.1	-693.8	398.4	0.00	0.05	2.98
27	190	3988.9	2150.7	-63.0	0.04	0.01	-0.73
	191	-3988.9	-339.3	63.0	-0.04	0.02	2.92
28	190	5044.9	2317.9	-10.3	0.04	-0.02	-0.48
	191	-5044.9	-506.5	10.3	-0.04	-0.03	2.94
29	190	2312.8	2049.5	-73.0	0.04	0.10	-1.13
	191	-2312.8	-238.1	73.0	-0.04	-0.00	2.98
30	190	3692.2	2408.7	59.0	0.05	0.08	-0.81
	191	-3692.2	-597.3	-59.0	-0.05	-0.15	3.09
31	190	2720.2	2419.0	84.1	0.05	0.14	-1.05
	191	-2720.2	-607.6	-84.1	-0.05	-0.20	3.17
32	190	3776.2	2586.2	136.8	0.05	0.11	-0.80
	191	-3776.2	-774.8	-136.8	-0.05	-0.25	3.19
33	190	5832.9	2606.9	102.7	0.05	-0.02	-0.31
	191	-5832.9	-795.5	-102.7	-0.05	-0.17	3.05
34	190	5452.3	2687.4	146.8	0.05	0.02	-0.40
	191	-5452.3	-876.0	-146.8	-0.05	-0.23	3.12
35	190	2776.1	1651.6	24.1	0.03	0.04	-0.52

	191	-2776.1	-402.9	-24.1	-0.03	-0.08	2.13
36	190	2680.3	1648.4	114.8	0.03	0.04	-0.53
	191	-2680.3	-422.1	28.0	-0.03	-0.10	2.15
37	190	1748.9	957.8	6.6	0.01	0.03	-0.25
	191	-1748.9	-271.7	-6.6	-0.01	-0.04	1.21
38	190	920.5	397.8	-71.9	-0.00	0.01	-0.09
	191	-920.5	-116.8	-47.2	0.00	0.01	0.49
39	190	1590.9	917.2	6.2	0.01	0.02	-0.30
	191	-1590.9	-231.1	-6.2	-0.01	-0.03	1.20
40	190	-19830.3	873.9	182.3	0.03	-0.19	-0.39
	191	19830.3	-187.9	-182.3	-0.03	-0.10	1.22
41	190	23169.4	995.6	-159.7	-0.01	0.22	-0.16
	191	-23169.4	-309.6	159.7	0.01	0.03	1.18
42	190	3882.5	2368.5	36.9	0.05	0.06	-0.77
	191	-3882.5	-557.0	-36.9	-0.05	-0.12	3.05
43	190	3987.9	2145.3	-59.8	0.04	0.01	-0.73
	191	-3987.9	-333.9	59.8	-0.04	0.01	2.92
44	190	5091.5	2320.0	-5.4	0.04	-0.02	-0.47
	191	-5091.5	-508.6	5.4	-0.04	-0.04	2.94
45	190	2240.4	2036.6	-74.6	0.04	0.10	-1.15
	191	-2240.4	-225.2	74.6	-0.04	-0.00	2.98
46	190	1846.1	2118.1	-32.9	0.04	0.14	-1.24
	191	-1846.1	-306.7	32.9	-0.04	-0.06	3.06
47	190	2673.6	2416.9	79.2	0.05	0.14	-1.06
	191	-2673.6	-605.5	-79.2	-0.05	-0.19	3.16
48	190	3777.2	2591.6	133.7	0.05	0.10	-0.80
	191	-3777.2	-780.2	-133.7	-0.05	-0.24	3.18
49	190	5919.0	2618.8	106.8	0.05	-0.02	-0.29
	191	-5919.0	-807.4	-106.8	-0.05	-0.17	3.05
50	190	5524.7	2700.3	148.5	0.05	0.02	-0.38
	191	-5524.7	-888.9	-148.5	-0.05	-0.23	3.12
51	190	1755.6	753.5	-66.6	0.01	-0.02	-0.25
	191	-1755.6	-67.5	66.6	-0.01	0.07	1.10
52	190	2643.6	894.2	-23.0	0.01	-0.05	-0.04
	191	-2643.6	-208.2	23.0	-0.01	0.03	1.11
53	190	348.6	667.0	-78.2	0.01	0.05	-0.58
	191	-348.6	19.1	78.2	-0.01	0.06	1.15
54	190	30.6	733.5	-44.6	0.01	0.08	-0.66
	191	-30.6	-47.5	44.6	-0.01	0.01	1.21
55	190	695.6	975.3	45.6	0.02	0.09	-0.51
	191	-695.6	-289.3	-45.6	-0.02	-0.10	1.29
56	190	1583.6	1116.0	89.2	0.02	0.06	-0.31
	191	-1583.6	-430.0	-89.2	-0.02	-0.14	1.31
57	190	3308.6	1136.0	67.2	0.01	-0.04	0.11
	191	-3308.6	-450.0	-67.2	-0.01	-0.08	1.20
58	190	2990.6	1202.6	100.8	0.02	-0.01	0.03
	191	-2990.6	-516.5	-100.8	-0.02	-0.13	1.26
1	191	2251.2	-189.6	-10.4	-0.02	0.05	-1.65
	192	-2251.2	1133.0	10.4	0.02	-0.03	0.61
2	191	5573.1	-516.5	-65.6	-0.08	0.18	-4.42
	192	-5573.1	3147.9	65.6	0.08	-0.07	1.56
3	191	-25177.8	-637.1	-336.5	-0.10	0.41	-5.85
	192	25177.8	4078.8	550.6	0.10	0.28	2.16
4	191	-26598.1	-433.4	-355.4	-0.07	0.28	-4.45
	192	26598.1	3064.8	355.4	0.07	0.28	1.72

	191	-27862.3	-325.1	-363.5	-0.04	0.17	-3.38
	192	27862.3	2348.7	184.9	0.04	0.26	1.29
6	191	-26829.1	-482.8	-354.4	-0.07	0.28	-4.43
	192	26829.1	3114.2	354.4	0.07	0.27	1.62
7	191	39406.3	-751.1	229.0	-0.12	0.21	-5.82
	192	-39406.3	4192.7	-14.9	0.12	-0.40	1.95
8	191	37986.0	-547.4	210.1	-0.09	0.08	-4.42
	192	-37986.0	3178.8	-210.1	0.09	-0.41	1.51
9	191	36721.9	-439.0	202.0	-0.06	-0.03	-3.35
	192	-36721.9	2462.7	-380.6	0.06	-0.43	1.08
10	191	37755.1	-596.8	211.1	-0.09	0.08	-4.40
	192	-37755.1	3228.2	-211.1	0.09	-0.41	1.41
11	191	-25811.3	-592.1	-301.0	-0.09	0.44	-5.40
	192	25811.3	3729.9	657.9	0.09	0.31	2.02
12	191	38772.8	-706.1	264.5	-0.11	0.24	-5.37
	192	-38772.8	3843.9	92.4	0.11	-0.38	1.81
13	191	-28178.5	-252.6	-332.5	-0.03	0.22	-3.07
	192	28178.5	2040.0	332.5	0.03	0.30	1.28
14	191	36405.7	-366.6	233.0	-0.06	0.02	-3.04
	192	-36405.7	2154.0	-233.0	0.06	-0.38	1.07
15	191	-30285.4	-72.0	-346.0	0.00	0.04	-1.28
	192	30285.4	846.5	48.3	-0.00	0.27	0.56
16	191	34298.8	-186.0	219.4	-0.02	-0.16	-1.25
	192	-34298.8	960.5	-517.2	0.02	-0.42	0.36
17	191	-28563.4	-335.0	-330.9	-0.04	0.22	-3.04
	192	28563.4	2122.3	330.9	0.04	0.30	1.12
18	191	36020.8	-448.9	234.5	-0.06	0.02	-3.01
	192	-36020.8	2236.3	-234.5	0.06	-0.39	0.91
19	191	-48366.8	-435.7	-497.4	-0.06	0.42	-4.47
	192	48366.8	3033.3	711.5	0.06	0.53	1.76
20	191	59273.4	-625.7	445.1	-0.09	0.08	-4.42
	192	-59273.4	3223.3	-231.0	0.09	-0.61	1.41
21	191	-49787.1	-232.0	-516.3	-0.03	0.28	-3.07
	192	49787.1	2019.4	516.3	0.03	0.52	1.31
22	191	57853.1	-422.0	426.2	-0.06	-0.05	-3.02
	192	-57853.1	2209.3	-426.2	0.06	-0.61	0.97
23	191	-51051.2	-123.6	-524.4	-0.01	0.18	-2.00
	192	51051.2	1303.3	345.8	0.01	0.50	0.88
24	191	56589.0	-313.6	418.1	-0.04	-0.16	-1.95
	192	-56589.0	1493.2	-596.7	0.04	-0.63	0.54
25	191	-50018.0	-281.4	-515.4	-0.03	0.28	-3.05
	192	50018.0	2068.8	515.4	0.03	0.52	1.22
26	191	57622.2	-471.4	427.1	-0.07	-0.05	-3.00
	192	-57622.2	2258.7	-427.1	0.07	-0.62	0.87
27	191	3972.6	-330.5	69.4	-0.05	-0.03	-2.93
	192	-3972.6	2141.9	-69.4	0.05	-0.09	0.74
28	191	4840.5	-173.6	117.8	-0.04	-0.08	-2.97
	192	-4840.5	1985.0	-117.8	0.04	-0.12	1.02
29	191	2591.9	-587.3	-84.0	-0.06	0.15	-2.96
	192	-2591.9	2398.7	84.0	0.06	-0.02	0.56
30	191	3722.8	-389.1	-86.3	-0.05	0.17	-3.09
	192	-3722.8	2200.6	86.3	0.05	-0.03	1.14
31	191	2920.7	-541.4	-207.3	-0.06	0.32	-3.15
	192	-2920.7	2352.8	207.3	0.06	0.02	1.14
32	191	3788.6	-384.5	-158.9	-0.05	0.27	-3.18
	192	-3788.6	2196.0	158.9	0.05	-0.01	1.42

	191	5484.9	-64.5	77.5	-0.04	-0.01	-3.08
	192	-5484.9	1875.9	-77.5	0.04	-0.12	1.48
34	191	5169.3	-127.7	-5.6	-0.04	0.09	-3.15
	192	-5169.3	1939.2	5.6	0.04	-0.08	1.60
35	191	2773.3	-248.6	-26.4	-0.03	0.08	-2.13
	192	-2773.3	1497.3	26.4	0.03	-0.04	0.77
36	191	2693.5	-258.0	-0.1	-0.03	0.13	-2.14
	192	-2693.5	1484.3	142.9	0.03	-0.01	0.78
37	191	1746.6	-122.2	-12.7	-0.01	0.04	-1.21
	192	-1746.6	808.3	12.7	0.01	-0.02	0.49
38	191	903.8	-50.0	-18.1	0.00	-0.03	-0.50
	192	-903.8	330.9	-101.0	-0.00	-0.03	0.20
39	191	1592.6	-155.2	-12.1	-0.01	0.04	-1.20
	192	-1592.6	841.2	12.1	0.01	-0.02	0.42
40	191	-19862.0	-101.6	-196.5	-0.00	0.10	-1.22
	192	19862.0	787.7	196.5	0.00	0.21	0.52
41	191	23194.1	-177.6	180.5	-0.02	-0.03	-1.20
	192	-23194.1	863.7	-180.5	0.02	-0.25	0.38
42	191	3880.6	-357.5	-44.8	-0.05	0.12	-3.06
	192	-3880.6	2168.9	44.8	0.05	-0.05	1.08
43	191	3971.5	-331.9	65.0	-0.05	-0.02	-2.94
	192	-3971.5	2143.3	-65.0	0.05	-0.09	0.73
44	191	4878.6	-168.5	115.0	-0.04	-0.07	-2.97
	192	-4878.6	1979.9	-115.0	0.04	-0.12	1.02
45	191	2532.1	-597.7	-87.7	-0.06	0.15	-2.96
	192	-2532.1	2409.1	87.7	0.06	-0.02	0.54
46	191	2205.4	-662.1	-168.5	-0.06	0.25	-3.03
	192	-2205.4	2473.5	168.5	0.06	0.02	0.66
47	191	2882.6	-546.5	-204.5	-0.06	0.31	-3.14
	192	-2882.6	2358.0	204.5	0.06	0.02	1.14
48	191	3789.7	-383.1	-154.5	-0.05	0.26	-3.17
	192	-3789.7	2194.5	154.5	0.05	-0.01	1.43
49	191	5555.7	-52.9	79.0	-0.04	-0.01	-3.09
	192	-5555.7	1864.4	-79.0	0.04	-0.12	1.50
50	191	5229.1	-117.3	-1.8	-0.04	0.09	-3.15
	192	-5229.1	1928.8	1.8	0.04	-0.08	1.62
51	191	1741.0	-118.1	81.3	-0.01	-0.08	-1.11
	192	-1741.0	804.2	-81.3	0.01	-0.06	0.17
52	191	2471.0	13.5	121.4	-0.01	-0.12	-1.14
	192	-2471.0	672.5	-121.4	0.01	-0.08	0.40
53	191	581.3	-332.9	-42.0	-0.02	0.06	-1.13
	192	-581.3	1018.9	42.0	0.02	0.01	0.01
54	191	317.3	-385.2	-107.6	-0.02	0.14	-1.18
	192	-317.3	1071.3	107.6	0.02	0.03	0.11
55	191	861.0	-292.7	-137.4	-0.02	0.19	-1.27
	192	-861.0	978.8	137.4	0.02	0.04	0.50
56	191	1591.0	-161.1	-97.3	-0.01	0.15	-1.30
	192	-1591.0	847.1	97.3	0.01	0.01	0.73
57	191	3014.7	106.1	91.6	-0.00	-0.07	-1.23
	192	-3014.7	580.0	-91.6	0.00	-0.08	0.79
58	191	2750.7	53.7	26.0	-0.00	0.01	-1.28
	192	-2750.7	632.4	-26.0	0.00	-0.05	0.89
1	192	2212.7	-1764.0	1.4	0.08	-0.02	-0.65
	193	-2212.7	2706.7	-1.4	-0.08	0.02	-2.84
2	192	5501.3	-4812.0	-105.1	0.21	-0.01	-1.68

	193	-5501.3	7441.7	105.1	-0.21	0.17	-7.89
3	192	-25406.9	-6534.4	575.9	0.26	-0.47	-2.35
	193	25406.9	9973.8	-361.9	-0.26	-0.26	-10.55
4	192	-26881.4	-4979.5	738.2	0.20	-0.56	-1.88
	193	26881.4	7609.2	-738.2	-0.20	-0.60	-7.95
5	192	-28182.6	-3827.3	830.8	0.14	-0.60	-1.44
	193	28182.6	5849.7	-1009.3	-0.14	-0.83	-6.12
6	192	-27100.8	-5008.3	708.2	0.19	-0.54	-1.78
	193	27100.8	7638.0	-708.2	-0.19	-0.56	-8.09
7	192	39596.5	-6175.1	-1092.2	0.29	0.61	-2.04
	193	-39596.5	9614.5	1306.2	-0.29	1.26	-10.29
8	192	38122.1	-4620.2	-929.8	0.23	0.52	-1.58
	193	-38122.1	7249.9	929.8	-0.23	0.93	-7.69
9	192	36820.8	-3468.0	-837.2	0.17	0.48	-1.13
	193	-36820.8	5490.4	658.7	-0.17	0.69	-5.86
10	192	37902.6	-4649.0	-959.9	0.22	0.54	-1.48
	193	-37902.6	7278.7	959.9	-0.22	0.96	-7.84
11	192	-25988.9	-6038.9	527.1	0.25	-0.42	-2.18
	193	25988.9	9174.7	-170.4	-0.25	-0.12	-9.71
12	192	39014.5	-5679.6	-1141.0	0.27	0.66	-1.87
	193	-39014.5	8815.3	1497.6	-0.27	1.40	-9.45
13	192	-28446.3	-3447.4	797.7	0.14	-0.57	-1.41
	193	28446.3	5233.6	-797.7	-0.14	-0.68	-5.37
14	192	36557.1	-3088.0	-870.3	0.16	0.52	-1.10
	193	-36557.1	4874.3	870.3	-0.16	0.84	-5.12
15	192	-30615.0	-1527.1	952.0	0.04	-0.65	-0.67
	193	30615.0	2301.1	-1249.5	-0.04	-1.07	-2.32
16	192	34388.4	-1167.8	-716.1	0.07	0.43	-0.36
	193	-34388.4	1941.8	418.5	-0.07	0.45	-2.07
17	192	-28812.1	-3495.4	747.6	0.13	-0.54	-1.24
	193	28812.1	5281.6	-747.6	-0.13	-0.63	-5.61
18	192	36191.4	-3136.1	-920.5	0.15	0.54	-0.93
	193	-36191.4	4922.3	920.5	-0.15	0.90	-5.36
19	192	-48719.0	-5130.2	1185.1	0.19	-0.84	-1.94
	193	48719.0	7726.1	-971.1	-0.19	-0.85	-8.11
20	192	59620.0	-4531.3	-1595.0	0.23	0.97	-1.42
	193	-59620.0	7127.3	1809.0	-0.23	1.69	-7.68
21	192	-50193.5	-3575.3	1347.5	0.12	-0.92	-1.47
	193	50193.5	5361.5	-1347.5	-0.12	-1.18	-5.51
22	192	58145.6	-2976.4	-1432.6	0.17	0.88	-0.96
	193	-58145.6	4762.6	1432.6	-0.17	1.36	-5.08
23	192	-51494.7	-2423.1	1440.0	0.07	-0.97	-1.03
	193	51494.7	3602.0	-1618.6	-0.07	-1.42	-3.67
24	192	56844.3	-1824.2	-1340.0	0.11	0.83	-0.52
	193	-56844.3	3003.1	1161.5	-0.11	1.12	-3.25
25	192	-50412.9	-3604.1	1317.4	0.12	-0.91	-1.37
	193	50412.9	5390.3	-1317.4	-0.12	-1.15	-5.65
26	192	57926.1	-3005.2	-1462.7	0.16	0.89	-0.86
	193	-57926.1	4791.4	1462.7	-0.16	1.39	-5.23
27	192	3073.9	-3252.0	188.3	0.13	-0.13	-0.82
	193	-3073.9	5062.2	-188.3	-0.13	-0.17	-5.35
28	192	3733.5	-3145.0	392.9	0.13	-0.22	-1.12
	193	-3733.5	4955.3	-392.9	-0.13	-0.39	-4.89
29	192	2602.8	-3462.4	-301.5	0.13	0.10	-0.60
	193	-2602.8	5272.7	301.5	-0.13	0.37	-6.12
30	192	3958.0	-3357.6	-175.6	0.15	0.04	-1.22

	193	-3958.0	5167.9	175.6	-0.15	0.23	-5.54
31	192	3926.7	-3496.8	-528.9	0.15	0.21	-1.20
	193	-3926.7	5307.1	528.9	-0.15	0.62	-6.00
32	192	4586.3	-3389.9	-324.3	0.16	0.11	-1.50
	193	-4586.3	5200.1	324.3	-0.16	0.40	-5.53
33	192	4801.5	-3105.9	380.7	0.15	-0.22	-1.61
	193	-4801.5	4916.2	-380.7	-0.15	-0.38	-4.57
34	192	5057.3	-3179.4	165.5	0.15	-0.12	-1.72
	193	-5057.3	4989.7	-165.5	-0.15	-0.14	-4.76
35	192	2733.9	-2304.9	-32.5	0.10	-0.01	-0.82
	193	-2733.9	3552.9	32.5	-0.10	0.06	-3.76
36	192	2700.0	-2317.4	-99.1	0.10	0.04	-0.82
	193	-2700.0	3542.9	241.7	-0.10	0.23	-3.76
37	192	1717.0	-1280.8	9.2	0.06	-0.02	-0.51
	193	-1717.0	1966.4	-9.2	-0.06	0.01	-2.02
38	192	849.5	-512.7	70.9	0.02	-0.05	-0.22
	193	-849.5	793.4	-189.9	-0.02	-0.15	-0.80
39	192	1570.7	-1300.0	-10.9	0.05	-0.01	-0.45
	193	-1570.7	1985.6	10.9	-0.05	0.03	-2.12
40	192	-20030.1	-1408.7	559.0	0.05	-0.38	-0.58
	193	20030.1	2094.3	-559.0	-0.05	-0.50	-2.16
41	192	23305.5	-1169.1	-553.0	0.06	0.34	-0.37
	193	-23305.5	1854.8	553.0	-0.06	0.52	-1.99
42	192	3830.1	-3320.9	-68.0	0.14	-0.01	-1.16
	193	-3830.1	5131.2	68.0	-0.14	0.12	-5.44
43	192	3046.8	-3259.2	177.3	0.13	-0.12	-0.81
	193	-3046.8	5069.5	-177.3	-0.13	-0.15	-5.36
44	192	3736.3	-3149.4	390.2	0.13	-0.22	-1.12
	193	-3736.3	4959.6	-390.2	-0.13	-0.39	-4.87
45	192	2549.4	-3468.9	-317.3	0.13	0.11	-0.58
	193	-2549.4	5279.2	317.3	-0.13	0.39	-6.15
46	192	2812.6	-3538.9	-528.3	0.14	0.20	-0.69
	193	-2812.6	5349.2	528.3	-0.14	0.62	-6.35
47	192	3923.9	-3492.4	-526.2	0.15	0.20	-1.20
	193	-3923.9	5302.7	526.2	-0.15	0.62	-6.01
48	192	4613.3	-3382.6	-313.3	0.16	0.11	-1.52
	193	-4613.3	5192.9	313.3	-0.16	0.38	-5.52
49	192	4847.6	-3102.9	392.3	0.15	-0.22	-1.63
	193	-4847.6	4913.2	-392.3	-0.15	-0.39	-4.53
50	192	5110.7	-3172.9	181.3	0.15	-0.12	-1.75
	193	-5110.7	4983.1	-181.3	-0.15	-0.16	-4.73
51	192	1004.1	-1238.2	202.1	0.05	-0.11	-0.19
	193	-1004.1	1923.8	-202.1	-0.05	-0.21	-2.00
52	192	1559.1	-1149.5	372.8	0.05	-0.19	-0.44
	193	-1559.1	1835.1	-372.8	-0.05	-0.39	-1.61
53	192	605.7	-1408.2	-196.2	0.05	0.08	-0.00
	193	-605.7	2093.8	196.2	-0.05	0.23	-2.64
54	192	819.3	-1465.2	-366.8	0.05	0.16	-0.10
	193	-819.3	2150.9	366.8	-0.05	0.42	-2.80
55	192	1716.2	-1428.3	-366.8	0.06	0.16	-0.51
	193	-1716.2	2114.0	366.8	-0.06	0.42	-2.53
56	192	2271.3	-1339.7	-196.1	0.07	0.08	-0.76
	193	-2271.3	2025.3	196.1	-0.07	0.23	-2.14
57	192	2456.0	-1112.6	372.8	0.06	-0.19	-0.85
	193	-2456.0	1798.2	-372.8	-0.06	-0.40	-1.34
58	192	2669.6	-1169.6	202.1	0.06	-0.11	-0.95

	193	-2669.6	1855.3	-202.1	-0.06	-0.21	-1.50
1	28	-16.5	282.3	0.0	-0.01	0.00	-0.00
	37	16.5	279.1	0.0	0.01	0.00	0.00
2	28	-194.8	1117.6	0.0	-0.02	0.00	0.00
	37	194.8	1099.9	0.0	0.02	0.00	-0.00
3	28	-3124.1	1518.5	92.8	-0.03	0.00	0.00
	37	3116.5	1493.9	91.2	0.03	0.00	-0.00
4	28	-3295.2	1117.6	0.0	-0.02	0.00	0.00
	37	3295.2	1099.9	0.0	0.02	0.00	-0.00
5	28	-3197.4	816.9	-69.6	-0.02	0.00	0.00
	37	3203.2	804.4	-68.4	0.02	0.00	-0.00
6	28	-3077.6	1117.6	0.0	-0.02	0.00	0.00
	37	3077.6	1099.9	0.0	0.02	0.00	-0.00
7	28	2818.1	1518.5	92.8	-0.02	0.00	0.00
	37	-2825.7	1493.9	91.2	0.02	0.00	-0.00
8	28	2647.0	1117.6	0.0	-0.01	0.00	0.00
	37	-2647.0	1099.9	0.0	0.01	0.00	-0.00
9	28	2744.8	816.9	-69.6	-0.01	0.00	0.00
	37	-2739.0	804.4	-68.4	0.01	0.00	-0.00
10	28	2864.6	1117.6	0.0	-0.02	0.00	0.00
	37	-2864.6	1099.9	0.0	0.02	0.00	-0.00
11	28	-3007.2	1368.2	154.7	-0.03	0.00	0.00
	37	2994.4	1346.2	152.0	0.03	0.00	-0.00
12	28	2935.1	1368.2	154.7	-0.02	0.00	0.00
	37	-2947.8	1346.2	152.0	0.02	0.00	-0.00
13	28	-3292.3	700.0	0.0	-0.01	0.00	0.00
	37	3292.3	689.5	0.0	0.01	0.00	-0.00
14	28	2649.9	700.0	0.0	-0.00	0.00	-0.00
	37	-2649.9	689.5	0.0	0.00	0.00	0.00
15	28	-3129.3	198.8	-116.0	-0.01	0.00	0.00
	37	3138.9	197.0	-114.0	0.01	0.00	-0.00
16	28	2812.9	198.8	-116.0	-0.00	0.00	-0.00
	37	-2803.3	197.0	-114.0	0.00	0.00	0.00
17	28	-2929.6	700.0	0.0	-0.02	0.00	0.00
	37	2929.6	689.5	0.0	0.02	0.00	-0.00
18	28	3012.6	700.0	0.0	-0.01	0.00	0.00
	37	-3012.6	689.5	0.0	0.01	0.00	-0.00
19	28	-5015.7	1100.9	92.8	-0.03	0.00	0.00
	37	5008.0	1083.5	91.2	0.03	0.00	-0.00
20	28	4888.0	1100.9	92.8	-0.01	0.00	-0.00
	37	-4895.6	1083.5	91.2	0.01	0.00	0.00
21	28	-5186.8	700.0	0.0	-0.01	0.00	0.00
	37	5186.8	689.5	0.0	0.01	0.00	-0.00
22	28	4716.9	700.0	0.0	-0.00	0.00	-0.00
	37	-4716.9	689.5	0.0	0.00	0.00	0.00
23	28	-5089.0	399.3	-69.6	-0.01	0.00	0.00
	37	5094.7	394.0	-68.4	0.01	0.00	-0.00
24	28	4814.7	399.3	-69.6	-0.00	0.00	-0.00
	37	-4808.9	394.0	-68.4	0.00	0.00	0.00
25	28	-4969.2	700.0	0.0	-0.02	0.00	0.00
	37	4969.2	689.5	0.0	0.02	0.00	-0.00
26	28	4934.5	700.0	0.0	-0.01	0.00	-0.00
	37	-4934.5	689.5	0.0	0.01	0.00	0.00
27	28	-1221.8	754.5	0.0	-0.02	0.00	0.00
	37	1221.8	742.7	0.0	0.02	0.00	-0.00

	28	-646.0	754.5	0.0	-0.02	0.00	0.00
	37	646.0	742.7	0.0	0.02	0.00	-0.00
29	28	-1330.7	754.5	0.0	-0.01	0.00	0.00
	37	1330.7	742.7	0.0	0.01	0.00	-0.00
30	28	111.5	754.5	0.0	-0.01	0.00	0.00
	37	-111.5	742.7	0.0	0.01	0.00	-0.00
31	28	386.5	754.5	0.0	-0.01	0.00	0.00
	37	-386.5	742.7	0.0	0.01	0.00	-0.00
32	28	962.3	754.5	0.0	-0.01	0.00	0.00
	37	-962.3	742.7	0.0	0.01	0.00	-0.00
33	28	588.8	754.5	0.0	-0.01	0.00	0.00
	37	-588.8	742.7	0.0	0.01	0.00	-0.00
34	28	1071.3	754.5	0.0	-0.01	0.00	0.00
	37	-1071.3	742.7	0.0	0.01	0.00	-0.00
35	28	-70.3	476.1	0.0	-0.01	0.00	0.00
	37	70.3	469.1	0.0	0.01	0.00	-0.00
36	28	17.0	464.9	61.9	-0.01	0.00	-0.00
	37	-22.1	458.1	60.8	0.01	0.00	0.00
37	28	-97.1	197.6	0.0	-0.00	0.00	-0.00
	37	97.1	195.5	0.0	0.00	0.00	0.00
38	28	-31.9	-2.8	-46.4	-0.00	0.00	-0.00
	37	35.7	-1.6	-45.6	0.00	0.00	0.00
39	28	48.0	197.6	0.0	-0.01	0.00	-0.00
	37	-48.0	195.5	0.0	0.01	0.00	0.00
40	28	-1991.6	197.6	0.0	-0.01	0.00	0.00
	37	1991.6	195.5	0.0	0.01	0.00	-0.00
41	28	1969.9	197.6	0.0	-0.00	0.00	-0.00
	37	-1969.9	195.5	0.0	0.00	0.00	0.00
42	28	-129.7	754.5	0.0	-0.01	0.00	0.00
	37	129.7	742.7	0.0	0.01	0.00	-0.00
43	28	-1253.4	754.5	0.0	-0.02	0.00	0.00
	37	1253.4	742.7	0.0	0.02	0.00	-0.00
44	28	-656.2	754.5	0.0	-0.02	0.00	0.00
	37	656.2	742.7	0.0	0.02	0.00	-0.00
45	28	-1372.6	754.5	0.0	-0.01	0.00	0.00
	37	1372.6	742.7	0.0	0.01	0.00	-0.00
46	28	-877.5	754.5	0.0	-0.01	0.00	0.00
	37	877.5	742.7	0.0	0.01	0.00	-0.00
47	28	396.8	754.5	0.0	-0.01	0.00	0.00
	37	-396.8	742.7	0.0	0.01	0.00	-0.00
48	28	994.0	754.5	0.0	-0.01	0.00	0.00
	37	-994.0	742.7	0.0	0.01	0.00	-0.00
49	28	618.1	754.5	0.0	-0.01	0.00	0.00
	37	-618.1	742.7	0.0	0.01	0.00	-0.00
50	28	1113.1	754.5	0.0	-0.01	0.00	0.00
	37	-1113.1	742.7	0.0	0.01	0.00	-0.00
51	28	-929.1	197.6	0.0	-0.01	0.00	0.00
	37	929.1	195.5	0.0	0.01	0.00	-0.00
52	28	-445.1	197.6	0.0	-0.01	0.00	0.00
	37	445.1	195.5	0.0	0.01	0.00	-0.00
53	28	-1020.5	197.6	0.0	-0.00	0.00	-0.00
	37	1020.5	195.5	0.0	0.00	0.00	0.00
54	28	-614.7	197.6	0.0	-0.00	0.00	-0.00
	37	614.7	195.5	0.0	0.00	0.00	0.00
55	28	423.4	197.6	0.0	-0.00	0.00	-0.00
	37	-423.4	195.5	0.0	0.00	0.00	0.00

	28	907.4	197.6	0.0	-0.00	0.00	-0.00
	37	-907.4	195.5	0.0	0.00	0.00	0.00
57	28	593.0	197.6	0.0	-0.01	0.00	-0.00
	37	-593.0	195.5	0.0	0.01	0.00	0.00
58	28	998.7	197.6	0.0	-0.00	0.00	-0.00
	37	-998.7	195.5	0.0	0.00	0.00	0.00

- En.Ex.Sys. WinStrand
- Sollecitazioni nelle travi

- Sollecitazioni nelle travi di fondazione

- Convenzioni adottate

Le sollecitazioni nelle travi di fondazione sono da intendersi nel sistema di riferimento locale dell'elemento, e si riferiscono all'asta. L'orientamento della trave nello spazio è definito a mezzo del nodo *K*.

La terna di riferimento locale dell'asta è così disposta

Per quanto concerne i segni positivi assunti per le varie componenti di sollecitaione si assumono come positivi i versi e le sollecitazioni se così diretti:

La trave è da considerarsi appoggiata su un sottospazio elastico a comportamento bilatero (terreno alla Winkler).

Comb.	Nodo	Pressione [MPa]	Mt [kNm]	Taglio [N]	MFlet. [kNm]
1	1	0.05	3.27	-14466.0	-4.88
	2	0.04	-3.29	-1032.6	-8.34
2	1	0.05	4.93	-15956.4	-5.23
	2	0.04	-5.09	-4201.7	-5.61
3	1	0.06	18.02	-19451.0	5.53
	2	0.04	-16.94	-19208.1	9.40
4	1	0.06	18.58	-19879.3	5.48
	2	0.05	-17.40	-20622.4	10.62
5	1	0.06	16.91	-18551.9	4.74
	2	0.04	-15.80	-17719.0	8.12
6	1	0.06	16.57	-17957.5	5.10
	2	0.04	-15.56	-16614.0	7.29
7	1	0.04	-6.95	-13564.5	-15.40
	2	0.04	5.51	9253.8	-19.28
8	1	0.04	-6.39	-13992.7	-15.45
	2	0.04	5.06	7839.5	-18.07
9	1	0.04	-8.06	-12665.4	-16.19
	2	0.04	6.66	10742.9	-20.56
10	1	0.04	-8.40	-12070.9	-15.83
	2	0.04	6.89	11848.0	-21.40
11	1	0.06	17.60	-19073.4	5.89
	2	0.04	-16.46	-18140.5	8.48
12	1	0.04	-7.37	-13186.9	-15.04
	2	0.04	5.99	10321.4	-20.20
13	1	0.06	18.53	-19787.2	5.81
	2	0.05	-17.22	-20497.8	10.51
14	1	0.04	-6.44	-13900.6	-15.12
	2	0.04	5.23	7964.1	-18.18
15	1	0.06	15.74	-17575.0	4.59
	2	0.04	-14.56	-15658.7	6.35
16	1	0.04	-9.23	-11688.4	-16.34
	2	0.04	7.90	12803.2	-22.34
17	1	0.06	15.18	-16584.2	5.18
	2	0.04	-14.16	-13817.0	4.96
18	1	0.04	-9.80	-10697.6	-15.75
	2	0.04	8.30	14644.9	-23.73
19	1	0.07	25.52	-20668.0	12.68
	2	0.04	-23.53	-27110.9	17.60
20	1	0.04	-16.10	-10857.1	-22.21
	2	0.04	13.90	20325.7	-30.21
21	1	0.07	26.08	-21096.3	12.63
	2	0.05	-23.99	-28525.2	18.82
22	1	0.04	-15.54	-11285.3	-22.25
	2	0.04	13.44	18911.3	-28.99
23	1	0.07	24.40	-19769.0	11.89
	2	0.04	-22.39	-25621.8	16.32
24	1	0.03	-17.21	-9958.0	-22.99
	2	0.04	15.04	21814.7	-31.49
25	1	0.07	24.06	-19174.5	12.25
	2	0.04	-22.15	-24516.7	15.48
26	1	0.03	-17.56	-9363.5	-22.63
	2	0.04	15.28	22919.8	-32.33
27	1	0.03	-2.15	-12545.8	-8.44
	2	0.03	1.44	5463.2	-12.55

28	1	0.03	1.22	-17156.3	-10.77
	2	0.03	-1.55	3400.3	-16.12
29	1	0.03	-2.91	-5148.1	-1.73
	2	0.03	2.02	2003.1	-0.65
30	1	0.04	5.41	-11101.9	-2.19
	2	0.03	-5.45	-6463.9	0.02
31	1	0.04	6.89	-6777.9	2.97
	2	0.03	-6.86	-11299.4	9.53
32	1	0.05	10.26	-11388.4	0.64
	2	0.03	-9.85	-13362.3	5.96
33	1	0.04	8.31	-20516.5	-9.49
	2	0.03	-7.94	-4873.3	-12.56
34	1	0.04	11.02	-18786.1	-6.07
	2	0.03	-10.43	-9902.1	-5.94
35	1	0.04	3.50	-11470.3	-3.78
	2	0.03	-3.61	-2893.2	-4.21
36	1	0.04	3.36	-11341.1	-3.47
	2	0.03	-3.43	-2353.8	-4.67
37	1	0.04	3.73	-11626.6	-3.51
	2	0.03	-3.73	-3296.7	-3.86
38	1	0.04	2.61	-10741.7	-4.00
	2	0.03	-2.66	-1361.1	-5.52
39	1	0.04	2.39	-10345.4	-3.76
	2	0.03	-2.50	-624.4	-6.08
40	1	0.04	11.27	-12935.7	3.31
	2	0.03	-10.49	-11324.1	4.44
41	1	0.03	-5.37	-9011.3	-10.64
	2	0.03	4.48	7650.5	-14.68
42	1	0.04	4.06	-11967.1	-3.90
	2	0.03	-4.21	-3949.5	-3.30
43	1	0.03	-2.32	-12532.8	-8.61
	2	0.03	1.59	5763.4	-12.89
44	1	0.03	1.17	-17349.6	-11.06
	2	0.03	-1.50	3665.5	-16.65
45	1	0.03	-3.15	-4831.5	-1.61
	2	0.03	2.23	2146.2	-0.48
46	1	0.03	-0.37	-3047.0	1.96
	2	0.03	-0.32	-3052.2	6.40
47	1	0.04	6.94	-6584.7	3.26
	2	0.03	-6.91	-11564.5	10.06
48	1	0.05	10.43	-11401.4	0.81
	2	0.03	-10.01	-13662.5	6.30
49	1	0.04	8.48	-20887.2	-9.75
	2	0.03	-8.09	-4846.9	-12.99
50	1	0.04	11.26	-19102.7	-6.19
	2	0.03	-10.64	-10045.3	-6.11
51	1	0.03	-2.26	-11444.3	-7.49
	2	0.03	1.73	6074.9	-12.91
52	1	0.03	0.57	-15321.4	-9.44
	2	0.03	-0.78	4356.5	-15.91
53	1	0.03	-2.90	-5234.5	-1.86
	2	0.03	2.22	3142.9	-2.91
54	1	0.03	-0.62	-3788.9	1.02
	2	0.03	0.13	-1088.6	2.67
55	1	0.04	5.33	-6625.7	2.11
	2	0.03	-5.24	-8030.2	5.67
56	1	0.04	8.16	-10502.8	0.16
	2	0.03	-7.75	-9748.5	2.68
57	1	0.04	6.52	-18158.1	-8.36

	2	0.03	-6.14	-2585.0	-12.90
58	1	0.04	8.80	-16712.5	-5.48
	2	0.03	-8.23	-6816.6	-7.33
1	2	0.04	-0.53	826.6	5.02
	3	0.04	0.30	-696.9	-0.88
2	2	0.04	-0.55	-2473.5	2.83
	3	0.04	-0.02	-3889.0	0.96
3	2	0.04	1.20	5045.1	24.13
	3	0.04	-1.15	-11996.5	13.39
4	2	0.05	2.14	3214.4	23.04
	3	0.04	-2.08	-14652.2	15.23
5	2	0.04	1.77	3845.1	21.33
	3	0.04	-1.65	-11338.7	11.86
6	2	0.04	1.04	5528.2	22.43
	3	0.04	-0.96	-9034.4	10.29
7	2	0.04	-2.95	-8748.6	-15.51
	3	0.04	1.68	3541.7	-9.90
8	2	0.04	-2.02	-10579.3	-16.60
	3	0.04	0.75	886.0	-8.06
9	2	0.04	-2.38	-9948.7	-18.31
	3	0.04	1.18	4199.5	-11.42
10	2	0.04	-3.11	-8265.5	-17.21
	3	0.04	1.87	6503.8	-12.99
11	2	0.04	0.99	7109.7	26.22
	3	0.04	-0.80	-10626.1	12.99
12	2	0.04	-3.16	-6684.1	-13.42
	3	0.04	2.03	4912.1	-10.29
13	2	0.05	2.55	4058.5	24.39
	3	0.04	-2.34	-15052.2	16.06
14	2	0.04	-1.60	-9735.2	-15.25
	3	0.04	0.48	486.0	-7.23
15	2	0.04	1.94	5109.6	21.54
	3	0.04	-1.63	-9529.8	10.46
16	2	0.04	-2.21	-8684.2	-18.10
	3	0.04	1.20	6008.4	-12.83
17	2	0.04	0.72	7914.8	23.37
	3	0.04	-0.48	-5689.3	7.83
18	2	0.04	-3.43	-5879.0	-16.27
	3	0.04	2.34	9848.9	-15.45
19	2	0.04	2.59	11293.1	38.44
	3	0.04	-1.93	-15579.9	20.23
20	2	0.04	-4.33	-11696.5	-27.62
	3	0.04	2.78	10317.1	-18.58
21	2	0.05	3.53	9462.4	37.35
	3	0.04	-2.86	-18235.5	22.07
22	2	0.04	-3.39	-13527.2	-28.72
	3	0.04	1.85	7661.5	-16.74
23	2	0.04	3.16	10093.0	35.64
	3	0.04	-2.43	-14922.1	18.71
24	2	0.04	-3.76	-12896.6	-30.43
	3	0.04	2.28	10974.9	-20.10
25	2	0.04	2.43	11776.2	36.73
	3	0.04	-1.74	-12617.8	17.13
26	2	0.04	-4.49	-11213.4	-29.33
	3	0.04	2.97	13279.2	-21.68
27	2	0.03	-1.55	-10161.6	-20.28
	3	0.03	0.80	4178.6	-13.23
28	2	0.03	-0.58	-12981.1	-15.58

	3	0.03	0.03	1650.1	-9.87
29	2	0.03	-2.14	-719.3	-12.25
	3	0.03	1.25	2361.2	-8.01
30	2	0.03	-0.06	-144.7	7.15
	3	0.03	-0.41	-5939.2	5.44
31	2	0.03	-0.00	7417.9	18.31
	3	0.03	-0.47	-9442.3	12.91
32	2	0.03	0.97	4598.4	23.00
	3	0.03	-1.24	-11970.8	16.27
33	2	0.03	1.09	-10117.7	3.40
	3	0.03	-1.32	-6067.1	3.21
34	2	0.03	1.55	-4843.9	14.97
	3	0.03	-1.70	-10153.4	11.05
35	2	0.03	-0.29	-1681.6	2.09
	3	0.03	-0.11	-2832.1	0.91
36	2	0.03	-0.50	-167.1	3.81
	3	0.03	0.18	-1993.7	0.82
37	2	0.03	0.12	-1387.5	3.08
	3	0.03	-0.43	-3764.1	2.04
38	2	0.03	-0.12	-967.1	1.94
	3	0.03	-0.15	-1555.2	-0.20
39	2	0.03	-0.61	155.0	2.67
	3	0.03	0.31	-19.0	-1.25
40	2	0.03	1.10	4016.4	16.03
	3	0.03	-0.95	-6947.5	8.05
41	2	0.03	-1.67	-5179.5	-10.39
	3	0.03	0.94	3411.3	-7.47
42	2	0.03	-0.29	-2781.6	1.36
	3	0.03	-0.22	-3896.1	1.52
43	2	0.03	-1.59	-10436.8	-21.06
	3	0.03	0.83	4397.4	-13.68
44	2	0.03	-0.58	-13399.5	-16.21
	3	0.03	0.02	1848.5	-10.30
45	2	0.03	-2.21	-584.8	-12.71
	3	0.03	1.31	2457.9	-8.17
46	2	0.03	-1.74	4897.2	-0.71
	3	0.03	0.92	-1753.6	-0.06
47	2	0.03	-0.01	7836.3	18.94
	3	0.03	-0.47	-9640.6	13.34
48	2	0.03	1.00	4873.6	23.78
	3	0.03	-1.27	-12189.6	16.72
49	2	0.03	1.15	-10460.4	3.44
	3	0.03	-1.36	-6038.6	3.10
50	2	0.03	1.63	-4978.5	15.43
	3	0.03	-1.75	-10250.0	11.21
51	2	0.03	-1.34	-6797.5	-15.37
	3	0.03	0.85	5000.9	-12.08
52	2	0.03	-0.52	-9163.5	-11.46
	3	0.03	0.20	2915.7	-9.32
53	2	0.03	-1.83	1142.2	-8.56
	3	0.03	1.23	3425.2	-7.61
54	2	0.03	-1.44	5581.6	1.18
	3	0.03	0.91	-10.6	-1.02
55	2	0.03	-0.04	8000.4	17.10
	3	0.03	-0.21	-6451.8	9.90
56	2	0.03	0.77	5634.3	21.01
	3	0.03	-0.86	-8537.0	12.67
57	2	0.03	0.88	-6744.7	4.46
	3	0.03	-0.93	-3525.5	1.60

58	2	0.03	1.27	-2305.3	14.21
	3	0.03	-1.24	-6961.3	8.20
1	3	0.04	0.67	-1431.2	-2.39
	4	0.04	-0.93	-1581.8	1.91
2	3	0.04	1.33	-4604.4	-4.53
	4	0.04	-1.99	-6115.6	6.37
3	3	0.04	2.00	-3889.0	-1.03
	4	0.04	-2.26	-8577.6	9.33
4	3	0.04	2.38	-6800.6	-3.11
	4	0.05	-2.77	-12541.4	12.96
5	3	0.04	2.01	-5236.1	-3.18
	4	0.04	-2.25	-7898.9	7.52
6	3	0.04	1.69	-2634.2	-1.22
	4	0.04	-1.88	-4670.3	4.69
7	3	0.04	0.64	-3852.3	-5.70
	4	0.04	-1.73	-4374.9	5.34
8	3	0.04	1.03	-6764.0	-7.79
	4	0.04	-2.24	-8338.7	8.97
9	3	0.04	0.65	-5199.4	-7.86
	4	0.04	-1.73	-3696.3	3.53
10	3	0.04	0.34	-2597.5	-5.89
	4	0.04	-1.35	-467.7	0.70
11	3	0.04	1.67	-1813.2	0.82
	4	0.04	-1.73	-6551.0	7.75
12	3	0.04	0.31	-1776.6	-3.85
	4	0.04	-1.20	-2348.4	3.76
13	3	0.04	2.31	-6666.0	-2.66
	4	0.05	-2.58	-13157.4	13.79
14	3	0.04	0.96	-6629.3	-7.33
	4	0.04	-2.05	-8954.8	9.80
15	3	0.04	1.68	-4058.4	-2.78
	4	0.04	-1.72	-5420.0	4.73
16	3	0.04	0.33	-4021.8	-7.45
	4	0.04	-1.19	-1217.3	0.74
17	3	0.04	1.15	278.1	0.51
	4	0.04	-1.09	-39.0	0.02
18	3	0.04	-0.20	314.7	-4.17
	4	0.04	-0.56	4163.6	-3.97
19	3	0.04	2.12	-2314.6	1.60
	4	0.04	-1.90	-7711.5	8.44
20	3	0.04	-0.13	-2253.5	-6.19
	4	0.04	-1.02	-707.1	1.79
21	3	0.04	2.51	-5226.2	-0.49
	4	0.05	-2.41	-11675.3	12.06
22	3	0.04	0.25	-5165.2	-8.27
	4	0.04	-1.53	-4670.9	5.41
23	3	0.04	2.13	-3661.7	-0.56
	4	0.04	-1.90	-7032.9	6.62
24	3	0.04	-0.13	-3600.6	-8.35
	4	0.04	-1.02	-28.5	-0.02
25	3	0.04	1.81	-1059.8	1.41
	4	0.04	-1.52	-3804.3	3.79
26	3	0.04	-0.44	-998.7	-6.38
	4	0.04	-0.64	3200.1	-2.86
27	3	0.03	0.27	-8771.6	-12.64
	4	0.03	-0.91	303.7	-7.02
28	3	0.03	0.65	-11480.9	-16.24
	4	0.03	-1.22	-1928.4	-3.61

29	3	0.03	0.15	-1532.3	-1.09
	4	0.03	-0.87	-349.4	-3.45
30	3	0.03	1.07	-2552.0	-0.79
	4	0.03	-1.67	-6861.2	8.71
31	3	0.03	1.21	2881.0	8.36
	4	0.03	-1.83	-9002.2	14.56
32	3	0.03	1.59	171.7	4.76
	4	0.03	-2.14	-11234.3	17.97
33	3	0.03	1.43	-10563.3	-13.08
	4	0.03	-1.91	-7789.5	7.92
34	3	0.03	1.71	-7067.5	-6.79
	4	0.03	-2.18	-10581.2	14.39
35	3	0.03	0.71	-3242.2	-3.23
	4	0.03	-1.17	-3954.0	3.99
36	3	0.03	0.49	-1695.4	-1.73
	4	0.03	-0.82	-2683.1	3.15
37	3	0.03	0.75	-3636.4	-3.13
	4	0.03	-1.16	-5325.7	5.56
38	3	0.03	0.50	-2593.4	-3.17
	4	0.03	-0.81	-2230.7	1.94
39	3	0.03	0.29	-858.8	-1.86
	4	0.03	-0.56	-78.3	0.05
40	3	0.03	0.95	-2196.7	-0.96
	4	0.03	-0.99	-3843.6	3.83
41	3	0.03	0.04	-2172.3	-4.07
	4	0.03	-0.64	-1041.9	1.17
42	3	0.03	0.93	-4299.9	-3.94
	4	0.03	-1.53	-5465.3	5.47
43	3	0.03	0.25	-8945.0	-12.96
	4	0.03	-0.89	402.4	-7.38
44	3	0.03	0.65	-11805.8	-16.74
	4	0.03	-1.22	-1718.9	-4.03
45	3	0.03	0.12	-1354.6	-0.91
	4	0.03	-0.85	-487.5	-3.47
46	3	0.03	0.41	2290.7	5.63
	4	0.03	-1.13	-3371.8	3.24
47	3	0.03	1.21	3205.9	8.87
	4	0.03	-1.84	-9211.7	14.97
48	3	0.03	1.61	345.1	5.09
	4	0.03	-2.16	-11333.1	18.32
49	3	0.03	1.45	-10890.5	-13.51
	4	0.03	-1.92	-7558.8	7.70
50	3	0.03	1.74	-7245.3	-6.96
	4	0.03	-2.21	-10443.1	14.41
51	3	0.03	-0.06	-5948.3	-9.84
	4	0.03	-0.30	2337.2	-7.94
52	3	0.03	0.26	-8230.2	-12.86
	4	0.03	-0.56	604.6	-5.22
53	3	0.03	-0.16	147.3	-0.14
	4	0.03	-0.26	1619.0	-4.76
54	3	0.03	0.08	3090.2	5.16
	4	0.03	-0.50	-729.2	0.69
55	3	0.03	0.73	3861.2	7.83
	4	0.03	-1.07	-5490.0	10.22
56	3	0.03	1.05	1579.3	4.81
	4	0.03	-1.33	-7222.6	12.94
57	3	0.03	0.91	-7459.1	-10.19
	4	0.03	-1.13	-4156.3	4.31
58	3	0.03	1.15	-4516.3	-4.89

	4	0.03	-1.37	-6504.4	9.76
1	4	0.04	-0.81	-1593.7	-1.01
	5	0.04	0.46	-1891.0	2.30
2	4	0.04	-1.35	-5854.1	-4.46
	5	0.04	0.31	-6135.9	5.97
3	4	0.04	-1.19	-7108.1	-7.18
	5	0.04	0.71	142.1	-5.99
4	4	0.05	-1.42	-11405.4	-11.10
	5	0.04	0.72	-3734.5	-2.89
5	4	0.04	-1.16	-8058.9	-9.18
	5	0.04	0.69	1289.8	-8.29
6	4	0.04	-1.00	-4442.3	-5.83
	5	0.04	0.64	4518.0	-10.77
7	4	0.04	-1.54	-3577.7	0.41
	5	0.04	-0.07	-13636.4	20.38
8	4	0.04	-1.77	-7875.0	-3.51
	5	0.05	-0.06	-17512.9	23.49
9	4	0.04	-1.50	-4528.5	-1.59
	5	0.04	-0.09	-12488.7	18.09
10	4	0.04	-1.34	-911.8	1.76
	5	0.04	-0.14	-9260.5	15.61
11	4	0.04	-0.94	-4637.1	-4.74
	5	0.04	0.80	1857.1	-7.02
12	4	0.04	-1.28	-1106.7	2.85
	5	0.04	0.02	-11921.4	19.36
13	4	0.05	-1.33	-11799.4	-11.28
	5	0.04	0.81	-4603.9	-1.85
14	4	0.04	-1.67	-8269.0	-3.69
	5	0.05	0.04	-18382.3	24.53
15	4	0.04	-0.88	-6221.9	-8.08
	5	0.04	0.76	3769.9	-10.84
16	4	0.04	-1.23	-2691.4	-0.49
	5	0.04	-0.02	-10008.6	15.54
17	4	0.04	-0.61	-194.1	-2.50
	5	0.04	0.68	9150.2	-14.98
18	4	0.04	-0.95	3336.4	5.09
	5	0.04	-0.10	-4628.3	11.40
19	4	0.04	-0.81	-6154.7	-7.98
	5	0.04	1.05	6857.4	-16.63
20	4	0.04	-1.38	-270.7	4.67
	5	0.04	-0.25	-16106.7	27.34
21	4	0.05	-1.04	-10452.1	-11.91
	5	0.04	1.06	2980.8	-13.53
22	4	0.04	-1.62	-4568.0	0.74
	5	0.05	-0.24	-19983.3	30.44
23	4	0.04	-0.78	-7105.6	-9.99
	5	0.04	1.03	8005.0	-18.92
24	4	0.04	-1.35	-1221.5	2.66
	5	0.04	-0.27	-14959.1	25.05
25	4	0.04	-0.62	-3488.9	-6.64
	5	0.04	0.98	11233.2	-21.40
26	4	0.04	-1.19	2395.2	6.01
	5	0.04	-0.32	-11730.9	22.56
27	4	0.03	-1.10	-9568.7	-14.77
	5	0.03	0.09	4078.3	-12.91
28	4	0.03	-0.95	-11763.8	-18.05
	5	0.03	0.22	1032.3	-8.35
29	4	0.03	-1.33	-3270.8	-2.40

	5	0.03	-0.03	2018.7	-7.29
30	4	0.03	-1.15	-3726.0	-0.52
	5	0.03	0.23	-7869.3	9.69
31	4	0.03	-1.28	1108.6	9.68
	5	0.03	0.21	-11959.6	18.35
32	4	0.03	-1.14	-1086.5	6.41
	5	0.03	0.34	-15005.6	22.91
33	4	0.03	-0.85	-10587.6	-13.31
	5	0.03	0.42	-8134.6	7.92
34	4	0.03	-0.91	-7384.5	-5.97
	5	0.03	0.46	-12946.0	17.29
35	4	0.03	-0.94	-3907.5	-3.03
	5	0.03	0.27	-4048.7	3.77
36	4	0.03	-0.78	-2146.6	-1.17
	5	0.03	0.32	-3041.2	3.36
37	4	0.03	-0.93	-5011.5	-3.79
	5	0.03	0.33	-5625.6	5.43
38	4	0.03	-0.75	-2780.5	-2.51
	5	0.03	0.31	-2276.1	1.83
39	4	0.03	-0.65	-369.4	-0.27
	5	0.03	0.28	-123.9	0.18
40	4	0.03	-0.65	-3664.2	-4.41
	5	0.03	0.58	1959.1	-6.24
41	4	0.03	-0.88	-1310.6	0.64
	5	0.03	0.06	-7226.5	11.34
42	4	0.03	-1.12	-5327.6	-4.18
	5	0.03	0.21	-5463.6	5.00
43	4	0.03	-1.10	-9774.6	-15.17
	5	0.03	0.09	4307.4	-13.47
44	4	0.03	-0.95	-11970.6	-18.56
	5	0.03	0.22	1380.7	-8.92
45	4	0.03	-1.33	-3331.2	-2.34
	5	0.03	-0.02	1906.6	-7.44
46	4	0.03	-1.39	-4.2	5.26
	5	0.03	0.02	-3078.0	2.28
47	4	0.03	-1.29	1315.3	10.19
	5	0.03	0.21	-12307.9	18.92
48	4	0.03	-1.14	-880.6	6.80
	5	0.03	0.34	-15234.7	23.47
49	4	0.03	-0.85	-10651.0	-13.63
	5	0.03	0.41	-7849.3	7.72
50	4	0.03	-0.91	-7324.0	-6.03
	5	0.03	0.45	-12833.9	17.44
51	4	0.03	-0.75	-6096.9	-10.81
	5	0.03	0.21	5301.9	-12.44
52	4	0.03	-0.63	-7858.3	-13.53
	5	0.03	0.32	2924.0	-8.76
53	4	0.03	-0.94	-898.9	-0.45
	5	0.03	0.13	3353.5	-7.53
54	4	0.03	-0.98	1795.3	5.72
	5	0.03	0.16	-694.6	0.36
55	4	0.03	-0.90	2883.5	9.76
	5	0.03	0.31	-8191.5	13.86
56	4	0.03	-0.78	1122.2	7.04
	5	0.03	0.42	-10569.4	17.54
57	4	0.03	-0.55	-6770.1	-9.49
	5	0.03	0.48	-4572.9	4.74
58	4	0.03	-0.59	-4075.9	-3.32
	5	0.03	0.51	-8620.9	12.63

1	5	0.04	-3.86	-1403.5	-3.52
	6	0.04	3.98	2550.5	-0.90
2	5	0.04	-6.06	-5843.6	-8.50
	6	0.04	5.95	1896.2	-1.44
3	5	0.04	-10.15	-18711.9	-19.23
	6	0.05	10.64	9388.7	-33.18
4	5	0.04	-11.45	-22920.9	-23.11
	6	0.05	11.91	7701.4	-33.52
5	5	0.04	-10.62	-19915.8	-20.42
	6	0.05	11.15	10011.2	-36.06
6	5	0.04	-9.60	-16272.7	-17.21
	6	0.05	10.11	11667.3	-35.76
7	5	0.04	-1.46	8310.2	3.50
	6	0.03	0.71	-6262.5	33.37
8	5	0.05	-2.76	4101.2	-0.38
	6	0.03	1.98	-7949.9	33.03
9	5	0.04	-1.94	7106.3	2.31
	6	0.03	1.22	-5640.0	30.50
10	5	0.04	-0.91	10749.4	5.52
	6	0.03	0.18	-3983.9	30.80
11	5	0.04	-8.88	-16063.3	-16.32
	6	0.05	9.47	9493.7	-31.89
12	5	0.04	-0.19	10958.8	6.41
	6	0.03	-0.46	-6157.5	34.67
13	5	0.04	-11.05	-23078.2	-22.78
	6	0.05	11.59	6681.5	-32.45
14	5	0.05	-2.36	3943.9	-0.05
	6	0.03	1.66	-8969.7	34.11
15	5	0.04	-9.67	-18069.8	-18.29
	6	0.05	10.33	10531.3	-36.68
16	5	0.04	-0.99	8952.3	4.43
	6	0.03	0.40	-5120.0	29.87
17	5	0.04	-7.96	-11998.0	-12.94
	6	0.05	8.59	13291.5	-36.18
18	5	0.04	0.72	15024.1	9.79
	6	0.03	-1.34	-2359.7	30.38
19	5	0.04	-11.94	-25499.2	-24.32
	6	0.05	12.96	14932.9	-55.10
20	5	0.04	2.53	19537.6	13.57
	6	0.03	-3.58	-11152.5	55.83
21	5	0.04	-13.24	-29708.1	-28.20
	6	0.05	14.23	13245.6	-55.44
22	5	0.05	1.23	15328.7	9.69
	6	0.03	-2.31	-12839.8	55.49
23	5	0.04	-12.42	-26703.1	-25.50
	6	0.05	13.48	15555.4	-57.98
24	5	0.04	2.06	18333.7	12.38
	6	0.03	-3.07	-10530.0	52.95
25	5	0.04	-11.39	-23060.0	-22.29
	6	0.05	12.44	17211.5	-57.67
26	5	0.04	3.08	21976.8	15.59
	6	0.02	-4.11	-8873.8	53.26
27	5	0.03	-7.62	-11721.1	-12.73
	6	0.03	7.69	4080.8	-20.64
28	5	0.03	-8.38	-13907.5	-14.52
	6	0.04	8.52	2193.6	-16.26
29	5	0.03	-4.46	-3977.3	-5.76
	6	0.03	4.28	4095.8	-13.34

30	5	0.03	-3.78	-3170.2	-4.58
	6	0.03	3.56	-923.9	4.59
31	5	0.03	-1.13	3116.0	1.19
	6	0.02	0.70	-2167.0	14.80
32	5	0.03	-1.89	929.6	-0.61
	6	0.02	1.53	-4054.2	19.18
33	5	0.03	-7.00	-11265.3	-11.75
	6	0.03	7.04	-2194.9	1.24
34	5	0.03	-5.05	-6814.2	-7.58
	6	0.03	4.94	-4069.2	11.88
35	5	0.03	-4.02	-3915.7	-5.01
	6	0.03	3.96	231.4	-0.55
36	5	0.03	-3.12	-2007.1	-2.92
	6	0.03	3.12	227.4	0.66
37	5	0.03	-3.99	-4813.1	-5.51
	6	0.03	3.97	-897.5	0.43
38	5	0.03	-3.44	-2809.7	-3.71
	6	0.03	3.46	642.4	-1.26
39	5	0.03	-2.75	-381.0	-1.57
	6	0.03	2.77	1746.5	-1.06
40	5	0.03	-6.18	-11443.0	-10.92
	6	0.03	6.61	5666.6	-22.55
41	5	0.03	-0.39	6571.7	4.23
	6	0.02	-0.01	-4767.6	21.82
42	5	0.03	-4.75	-5395.8	-6.67
	6	0.03	4.61	13.3	-0.73
43	5	0.03	-7.73	-11994.7	-12.96
	6	0.03	7.81	4112.1	-21.34
44	5	0.03	-8.51	-14172.6	-14.80
	6	0.04	8.65	2383.4	-16.85
45	5	0.03	-4.46	-4072.3	-5.77
	6	0.03	4.29	3864.7	-13.73
46	5	0.03	-2.45	540.5	-1.44
	6	0.02	2.12	1924.0	-2.71
47	5	0.03	-1.00	3381.1	1.46
	6	0.02	0.57	-2356.8	15.39
48	5	0.03	-1.78	1203.2	-0.38
	6	0.02	1.42	-4085.4	19.88
49	5	0.03	-7.06	-11332.0	-11.89
	6	0.03	7.11	-1897.4	1.25
50	5	0.03	-5.05	-6719.3	-7.57
	6	0.03	4.94	-3838.1	12.27
51	5	0.03	-5.70	-7798.7	-8.46
	6	0.03	5.90	3781.4	-17.09
52	5	0.03	-6.33	-9552.8	-9.94
	6	0.03	6.58	2373.8	-13.46
53	5	0.03	-3.06	-1384.2	-2.64
	6	0.03	3.05	3583.8	-10.88
54	5	0.03	-1.42	2359.9	0.87
	6	0.03	1.28	2006.9	-1.94
55	5	0.03	-0.24	4681.5	3.25
	6	0.02	0.02	-1474.9	12.73
56	5	0.03	-0.87	2927.4	1.77
	6	0.02	0.70	-2882.4	16.35
57	5	0.03	-5.15	-7231.2	-7.56
	6	0.03	5.32	-1108.0	1.20
58	5	0.03	-3.52	-3487.1	-4.05
	6	0.03	3.56	-2684.8	10.15

1	13	0.04	1.36	-29166.6	-0.22
	14	0.05	-1.23	-50680.4	29.88
2	13	0.05	2.54	-30374.4	0.71
	14	0.05	-2.46	-60446.1	39.90
3	13	0.05	2.66	-23688.0	12.58
	14	0.05	-2.43	-71919.6	57.90
4	13	0.05	0.96	-23780.6	10.82
	14	0.05	-0.60	-65394.4	50.40
5	13	0.04	0.86	-24407.3	8.54
	14	0.05	-0.54	-60511.4	44.56
6	13	0.05	2.16	-24065.0	10.46
	14	0.05	-1.95	-65775.1	50.62
7	13	0.05	4.48	-36475.8	-7.10
	14	0.06	-4.65	-61749.3	36.87
8	13	0.04	2.78	-36568.3	-8.86
	14	0.05	-2.82	-55224.1	29.37
9	13	0.04	2.68	-37195.1	-11.14
	14	0.05	-2.76	-50341.0	23.53
10	13	0.04	3.98	-36852.7	-9.22
	14	0.06	-4.17	-55604.8	29.59
11	13	0.05	2.75	-22889.2	13.46
	14	0.05	-2.54	-71295.7	57.88
12	13	0.05	4.58	-35676.9	-6.22
	14	0.06	-4.76	-61125.4	36.85
13	13	0.05	-0.08	-23043.4	10.53
	14	0.05	0.51	-60420.4	45.38
14	13	0.04	1.75	-35831.1	-9.15
	14	0.05	-1.70	-50250.0	24.35
15	13	0.04	-0.25	-24088.0	6.72
	14	0.05	0.61	-52281.9	35.65
16	13	0.04	1.58	-36875.7	-12.96
	14	0.05	-1.60	-42111.6	14.62
17	13	0.05	1.93	-23517.4	9.93
	14	0.05	-1.74	-61054.8	45.75
18	13	0.04	3.75	-36305.2	-9.75
	14	0.05	-3.95	-50884.4	24.72
19	13	0.05	1.46	-18821.6	18.67
	14	0.05	-1.08	-70426.9	59.90
20	13	0.04	4.50	-40134.5	-14.13
	14	0.06	-4.77	-53476.3	24.85
21	13	0.05	-0.24	-18914.1	16.91
	14	0.05	0.75	-63901.7	52.40
22	13	0.04	2.80	-40227.0	-15.89
	14	0.05	-2.94	-46951.1	17.35
23	13	0.04	-0.34	-19540.9	14.63
	14	0.05	0.81	-59018.6	46.56
24	13	0.04	2.70	-40853.8	-18.17
	14	0.05	-2.88	-42068.1	11.51
25	13	0.05	0.96	-19198.5	16.56
	14	0.05	-0.60	-64282.4	52.62
26	13	0.04	4.00	-40511.4	-16.25
	14	0.05	-4.29	-47331.8	17.57
27	13	0.03	1.90	-26937.1	-9.10
	14	0.04	-1.84	-34680.6	14.41
28	13	0.03	0.83	-25716.6	-7.22
	14	0.04	-0.53	-32232.1	10.58
29	13	0.03	3.59	-24541.3	-5.15
	14	0.04	-3.89	-44254.4	30.65
30	13	0.03	2.18	-19233.4	3.23

	14	0.04	-2.17	-45931.2	34.36
31	13	0.04	3.15	-16024.0	8.43
	14	0.04	-3.36	-53872.7	48.05
32	13	0.03	2.09	-14803.6	10.30
	14	0.04	-2.05	-51424.2	44.22
33	13	0.03	0.03	-20473.2	1.10
	14	0.04	0.46	-36092.7	17.89
34	13	0.03	0.40	-17199.3	6.36
	14	0.04	0.01	-41850.4	27.98
35	13	0.03	1.60	-20467.7	0.29
	14	0.04	-1.53	-39797.1	25.97
36	13	0.03	1.89	-19870.1	1.33
	14	0.04	-1.84	-40800.8	27.63
37	13	0.03	0.76	-19931.8	0.15
	14	0.04	-0.62	-36450.7	22.62
38	13	0.03	0.70	-20349.7	-1.37
	14	0.03	-0.58	-33195.3	18.73
39	13	0.03	1.56	-20121.5	-0.09
	14	0.04	-1.52	-36704.5	22.77
40	13	0.03	0.60	-15802.6	6.54
	14	0.03	-0.39	-39932.0	29.64
41	13	0.03	1.82	-24327.7	-6.58
	14	0.04	-1.86	-33151.8	15.62
42	13	0.03	1.99	-20870.3	0.60
	14	0.04	-1.94	-43052.4	29.32
43	13	0.03	1.90	-27136.0	-9.43
	14	0.04	-1.83	-34384.4	13.88
44	13	0.03	0.79	-25885.6	-7.50
	14	0.04	-0.47	-31806.0	9.87
45	13	0.03	3.65	-24646.6	-5.34
	14	0.04	-3.98	-44362.5	30.76
46	13	0.03	4.04	-21262.3	0.10
	14	0.04	-4.45	-50336.8	41.23
47	13	0.04	3.20	-15855.1	8.70
	14	0.04	-3.41	-54298.8	48.76
48	13	0.03	2.09	-14604.6	10.63
	14	0.04	-2.05	-51720.4	44.75
49	13	0.03	-0.05	-20478.4	1.10
	14	0.04	0.57	-35767.9	17.41
50	13	0.03	0.34	-17094.1	6.54
	14	0.04	0.09	-41742.2	27.87
51	13	0.03	1.14	-25167.3	-8.18
	14	0.04	-1.04	-29497.1	10.09
52	13	0.03	0.24	-24144.0	-6.61
	14	0.04	0.06	-27434.0	6.86
53	13	0.03	2.54	-23147.7	-4.86
	14	0.04	-2.76	-37557.6	23.76
54	13	0.03	2.86	-20393.4	-0.44
	14	0.04	-3.14	-42403.4	32.25
55	13	0.03	2.18	-15986.3	6.56
	14	0.04	-2.31	-45649.8	38.40
56	13	0.03	1.28	-14963.0	8.14
	14	0.03	-1.21	-43586.7	35.18
57	13	0.03	-0.44	-19736.9	0.39
	14	0.03	0.90	-30680.4	13.01
58	13	0.03	-0.12	-16982.6	4.81
	14	0.03	0.51	-35526.2	21.51
1	14	0.05	6.99	-30459.4	-23.98

	15	0.06	-7.66	-32111.3	10.44
2	14	0.05	6.62	-41830.4	-33.07
	15	0.07	-7.42	-41591.6	14.11
3	14	0.05	6.30	-36164.7	-18.94
	15	0.07	-6.87	-45929.7	21.14
4	14	0.05	6.27	-31059.7	-14.26
	15	0.06	-6.50	-43912.6	20.07
5	14	0.05	7.12	-28660.3	-13.88
	15	0.06	-7.49	-39919.3	16.43
6	14	0.05	7.28	-32380.0	-16.98
	15	0.06	-7.93	-41935.8	17.85
7	14	0.06	6.00	-56172.2	-53.15
	15	0.07	-7.26	-44101.1	12.34
8	14	0.05	5.97	-51067.2	-48.47
	15	0.07	-6.90	-42084.0	11.27
9	14	0.05	6.82	-48667.8	-48.09
	15	0.07	-7.89	-38090.7	7.63
10	14	0.06	6.97	-52387.5	-51.18
	15	0.07	-8.33	-40107.2	9.06
11	14	0.05	6.18	-33371.3	-16.39
	15	0.06	-6.75	-43472.0	21.06
12	14	0.06	5.87	-53378.7	-50.59
	15	0.07	-7.15	-41643.4	12.27
13	14	0.05	6.13	-24862.8	-8.59
	15	0.06	-6.14	-40110.2	19.28
14	14	0.05	5.83	-44870.3	-42.79
	15	0.06	-6.53	-38281.6	10.48
15	14	0.05	7.54	-20863.9	-7.94
	15	0.06	-7.79	-33454.7	13.21
16	14	0.05	7.24	-40871.4	-42.15
	15	0.06	-8.19	-31626.1	4.42
17	14	0.05	7.80	-27063.4	-13.10
	15	0.06	-8.53	-36815.6	15.58
18	14	0.05	7.50	-47070.9	-47.31
	15	0.06	-8.92	-34987.0	6.79
19	14	0.05	6.59	-23810.1	-3.00
	15	0.06	-6.86	-41799.0	22.24
20	14	0.06	6.08	-57155.8	-60.01
	15	0.07	-7.51	-38751.4	7.58
21	14	0.05	6.56	-18705.0	1.68
	15	0.06	-6.49	-39782.0	21.17
22	14	0.05	6.06	-52050.8	-55.33
	15	0.06	-7.15	-36734.3	6.51
23	14	0.05	7.41	-16305.6	2.07
	15	0.06	-7.48	-35788.6	17.53
24	14	0.05	6.90	-49651.4	-54.94
	15	0.06	-8.14	-32741.0	2.87
25	14	0.05	7.56	-20025.4	-1.03
	15	0.06	-7.92	-37805.2	18.95
26	14	0.05	7.06	-53371.1	-58.04
	15	0.06	-8.58	-34757.6	4.29
27	14	0.04	5.59	-41857.1	-45.93
	15	0.05	-6.74	-25928.7	-0.48
28	14	0.04	4.33	-39058.6	-41.61
	15	0.05	-4.93	-23593.2	-3.12
29	14	0.04	6.56	-38430.1	-37.54
	15	0.05	-8.11	-32118.5	10.94
30	14	0.04	4.02	-28030.0	-18.86
	15	0.05	-4.46	-31195.8	13.67

31	14	0.04	4.14	-22737.4	-7.60
	15	0.05	-4.62	-35828.5	23.32
32	14	0.04	2.88	-19938.9	-3.28
	15	0.04	-2.82	-33493.0	20.68
33	14	0.04	2.35	-29101.7	-23.16
	15	0.04	-2.08	-24333.3	2.12
34	14	0.04	1.91	-23365.8	-11.67
	15	0.04	-1.45	-27303.2	9.26
35	14	0.04	4.36	-27107.6	-21.58
	15	0.04	-4.86	-26550.7	8.88
36	14	0.04	4.17	-26209.3	-20.53
	15	0.04	-4.70	-25673.1	9.41
37	14	0.04	4.15	-22805.9	-17.41
	15	0.04	-4.46	-24328.4	8.70
38	14	0.03	4.72	-21206.4	-17.15
	15	0.04	-5.12	-21666.2	6.27
39	14	0.04	4.82	-23686.2	-19.22
	15	0.04	-5.41	-23010.6	7.22
40	14	0.03	4.58	-16648.1	-7.14
	15	0.04	-4.81	-24000.2	10.59
41	14	0.04	4.38	-29986.4	-29.95
	15	0.04	-5.07	-22781.1	4.72
42	14	0.04	4.24	-30898.0	-24.60
	15	0.05	-4.78	-29710.8	10.10
43	14	0.04	5.61	-42192.5	-46.63
	15	0.05	-6.79	-25776.5	-0.84
44	14	0.04	4.34	-39327.9	-42.21
	15	0.05	-4.94	-23331.4	-3.61
45	14	0.04	6.58	-38631.0	-37.91
	15	0.05	-8.18	-32238.8	11.01
46	14	0.04	6.13	-32713.6	-26.02
	15	0.05	-7.53	-35333.0	18.41
47	14	0.04	4.13	-22468.0	-7.00
	15	0.05	-4.61	-36090.2	23.81
48	14	0.04	2.86	-19603.4	-2.58
	15	0.04	-2.77	-33645.2	21.04
49	14	0.04	2.34	-29082.3	-23.19
	15	0.04	-2.03	-24088.7	1.79
50	14	0.04	1.89	-23165.0	-11.30
	15	0.04	-1.38	-27182.9	9.19
51	14	0.04	5.60	-32532.8	-36.48
	15	0.04	-6.57	-20201.9	-1.24
52	14	0.04	4.57	-30185.1	-32.86
	15	0.04	-5.08	-18249.6	-3.47
53	14	0.04	6.38	-29642.6	-29.41
	15	0.05	-7.69	-25395.0	8.36
54	14	0.04	6.02	-24817.6	-19.73
	15	0.04	-7.16	-27894.0	14.37
55	14	0.04	4.39	-16449.5	-4.23
	15	0.04	-4.80	-28531.7	18.78
56	14	0.03	3.36	-14101.8	-0.61
	15	0.04	-3.31	-26579.4	16.55
57	14	0.03	2.95	-21816.9	-17.36
	15	0.04	-2.72	-18887.3	0.94
58	14	0.03	2.59	-16991.9	-7.68
	15	0.04	-2.19	-21386.3	6.95
1	15	0.06	1.32	134.5	-4.77
	16	0.07	-1.45	-2140.1	4.40

2	15	0.07	1.76	-4442.4	-7.93
	16	0.08	-1.93	-9403.2	11.65
3	15	0.07	2.38	-4256.9	-7.26
	16	0.08	-2.55	-9763.2	12.03
4	15	0.06	1.93	-3810.4	-6.82
	16	0.08	-2.06	-10426.2	12.92
5	15	0.06	2.45	-2888.5	-6.26
	16	0.08	-2.62	-9109.4	11.13
6	15	0.06	2.77	-3301.5	-6.57
	16	0.08	-2.96	-8883.6	10.81
7	15	0.07	1.06	-6266.7	-9.87
	16	0.08	-1.23	-9744.9	12.19
8	15	0.07	0.61	-5820.2	-9.43
	16	0.08	-0.74	-10408.0	13.08
9	15	0.07	1.14	-4898.3	-8.87
	16	0.08	-1.29	-9091.2	11.29
10	15	0.07	1.45	-5311.2	-9.18
	16	0.08	-1.64	-8865.4	10.97
11	15	0.06	2.13	-2514.8	-6.10
	16	0.07	-2.29	-6365.5	8.71
12	15	0.07	0.81	-4524.5	-8.71
	16	0.07	-0.96	-6347.3	8.87
13	15	0.06	1.38	-1770.6	-5.37
	16	0.07	-1.47	-7470.6	10.20
14	15	0.06	0.06	-3780.4	-7.98
	16	0.07	-0.15	-7452.3	10.36
15	15	0.06	2.25	-234.1	-4.43
	16	0.07	-2.40	-5275.9	7.21
16	15	0.06	0.93	-2243.9	-7.04
	16	0.07	-1.08	-5257.7	7.37
17	15	0.06	2.78	-922.3	-4.95
	16	0.07	-2.98	-4899.6	6.68
18	15	0.06	1.46	-2932.1	-7.56
	16	0.07	-1.65	-4881.4	6.83
19	15	0.06	2.60	-1298.5	-4.81
	16	0.07	-2.75	-6137.7	8.35
20	15	0.07	0.40	-4648.2	-9.16
	16	0.07	-0.55	-6107.3	8.62
21	15	0.06	2.15	-852.1	-4.37
	16	0.07	-2.27	-6800.7	9.25
22	15	0.06	-0.05	-4201.7	-8.72
	16	0.07	-0.06	-6770.4	9.51
23	15	0.06	2.67	69.8	-3.81
	16	0.07	-2.82	-5483.9	7.45
24	15	0.06	0.47	-3279.8	-8.16
	16	0.07	-0.62	-5453.6	7.71
25	15	0.06	2.98	-343.1	-4.12
	16	0.07	-3.17	-5258.1	7.13
26	15	0.06	0.79	-3692.7	-8.47
	16	0.07	-0.96	-5227.8	7.39
27	15	0.05	1.67	-9007.0	-13.97
	16	0.06	-1.78	-5773.6	2.93
28	15	0.05	1.05	-7566.7	-12.08
	16	0.05	-1.14	-2828.9	-0.55
29	15	0.05	2.28	-7613.2	-11.25
	16	0.06	-2.43	-11379.7	12.32
30	15	0.05	1.17	-2577.8	-3.89
	16	0.05	-1.28	-8332.4	11.08
31	15	0.05	1.38	-223.8	0.09

	16	0.05	-1.51	-11975.4	18.14
32	15	0.04	0.76	1216.5	1.97
	16	0.05	-0.87	-9030.7	14.66
33	15	0.04	0.23	-2812.3	-4.96
	16	0.05	-0.30	-1564.0	0.70
34	15	0.04	0.15	-177.4	-0.75
	16	0.05	-0.22	-3424.6	5.26
35	15	0.04	1.06	-2369.6	-4.94
	16	0.05	-1.17	-4981.1	6.38
36	15	0.04	0.89	-1390.3	-4.31
	16	0.05	-0.98	-2793.9	4.27
37	15	0.04	0.59	-1092.6	-4.02
	16	0.05	-0.66	-3236.0	4.86
38	15	0.04	0.94	-478.0	-3.64
	16	0.05	-1.03	-2358.1	3.67
39	15	0.04	1.15	-753.3	-3.85
	16	0.05	-1.26	-2207.6	3.45
40	15	0.04	1.35	-174.1	-3.02
	16	0.05	-1.45	-2566.1	3.91
41	15	0.04	0.48	-1513.9	-4.76
	16	0.05	-0.57	-2554.0	4.01
42	15	0.05	1.21	-3895.3	-6.00
	16	0.05	-1.32	-7402.1	8.79
43	15	0.05	1.64	-9158.3	-14.19
	16	0.06	-1.75	-5576.3	2.58
44	15	0.05	1.08	-7681.4	-12.30
	16	0.05	-1.16	-2781.4	-0.76
45	15	0.05	2.20	-7714.0	-11.32
	16	0.06	-2.34	-11093.5	11.98
46	15	0.05	2.11	-4999.3	-6.97
	16	0.06	-2.26	-13027.4	16.71
47	15	0.05	1.35	-109.1	0.31
	16	0.05	-1.48	-12022.9	18.34
48	15	0.04	0.79	1367.7	2.20
	16	0.05	-0.90	-9227.9	15.01
49	15	0.04	0.32	-2791.3	-5.03
	16	0.05	-0.39	-1776.8	0.88
50	15	0.04	0.23	-76.5	-0.68
	16	0.05	-0.31	-3710.8	5.61
51	15	0.04	1.26	-5140.3	-10.57
	16	0.05	-1.35	-1086.7	-1.09
52	15	0.04	0.80	-3931.7	-9.02
	16	0.05	-0.88	1174.7	-3.78
53	15	0.05	1.71	-3965.9	-8.24
	16	0.05	-1.83	-5547.8	6.53
54	15	0.04	1.64	-1750.7	-4.70
	16	0.05	-1.77	-7110.3	10.37
55	15	0.04	1.03	2243.6	1.24
	16	0.05	-1.14	-6294.8	11.70
56	15	0.04	0.57	3452.2	2.79
	16	0.05	-0.66	-4033.4	9.01
57	15	0.04	0.19	62.7	-3.08
	16	0.05	-0.25	1990.1	-2.45
58	15	0.04	0.12	2277.9	0.46
	16	0.04	-0.18	427.7	1.39
1	16	0.07	-0.10	-3309.1	-2.60
	17	0.07	-0.19	-3588.5	3.78
2	16	0.08	-0.13	-10537.1	-8.68

	17	0.08	-0.22	-10991.6	10.49
3	16	0.08	-0.04	-10967.3	-9.98
	17	0.07	-0.35	-8012.5	4.47
4	16	0.08	-0.00	-11951.8	-11.26
	17	0.08	-0.31	-8263.3	4.34
5	16	0.08	-0.04	-11881.6	-12.27
	17	0.07	-0.35	-6931.1	2.33
6	16	0.08	-0.05	-11290.0	-11.31
	17	0.07	-0.41	-7161.2	2.91
7	16	0.08	-0.21	-9102.9	-4.86
	17	0.08	-0.08	-15147.2	18.83
8	16	0.08	-0.17	-10087.4	-6.13
	17	0.08	-0.04	-15398.0	18.70
9	16	0.08	-0.21	-10017.3	-7.14
	17	0.08	-0.08	-14065.8	16.69
10	16	0.08	-0.22	-9425.6	-6.19
	17	0.08	-0.14	-14295.9	17.27
11	16	0.07	-0.03	-7018.6	-6.10
	17	0.07	-0.34	-4703.2	1.89
12	16	0.07	-0.20	-5154.2	-0.98
	17	0.07	-0.07	-11837.9	16.26
13	16	0.07	0.04	-8659.4	-8.23
	17	0.07	-0.26	-5121.2	1.67
14	16	0.07	-0.13	-6795.0	-3.11
	17	0.07	0.00	-12255.9	16.03
15	16	0.07	-0.03	-8542.5	-9.91
	17	0.07	-0.33	-2900.9	-1.68
16	16	0.07	-0.20	-6678.1	-4.78
	17	0.07	-0.06	-10035.6	12.69
17	16	0.07	-0.04	-7556.4	-8.31
	17	0.07	-0.43	-3284.3	-0.71
18	16	0.07	-0.21	-5692.1	-3.19
	17	0.07	-0.16	-10419.0	13.65
19	16	0.07	0.03	-7974.7	-8.65
	17	0.07	-0.43	-1932.8	-3.67
20	16	0.07	-0.25	-4867.5	-0.11
	17	0.07	0.02	-13823.9	20.27
21	16	0.07	0.07	-8959.2	-9.92
	17	0.07	-0.38	-2183.5	-3.81
22	16	0.07	-0.21	-5852.0	-1.39
	17	0.07	0.06	-14074.7	20.13
23	16	0.07	0.03	-8889.0	-10.93
	17	0.07	-0.42	-851.4	-5.81
24	16	0.07	-0.25	-5781.8	-2.39
	17	0.07	0.03	-12742.5	18.12
25	16	0.07	0.02	-8297.4	-9.98
	17	0.07	-0.48	-1081.4	-5.23
26	16	0.07	-0.26	-5190.2	-1.44
	17	0.07	-0.04	-12972.6	18.71
27	16	0.06	-0.47	-13668.1	-17.05
	17	0.05	0.22	-5132.8	-0.16
28	16	0.05	-0.18	-10453.3	-13.50
	17	0.05	-0.06	-1910.2	-3.60
29	16	0.06	-0.62	-14715.0	-15.24
	17	0.06	0.39	-12375.8	10.74
30	16	0.05	-0.01	-7039.9	-4.24
	17	0.05	-0.22	-9990.6	10.93
31	16	0.05	0.03	-5943.7	-0.07
	17	0.06	-0.25	-15085.3	19.54

32	16	0.05	0.31	-2729.0	3.48
	17	0.05	-0.53	-11862.8	16.11
33	16	0.05	0.32	-3999.3	-3.42
	17	0.05	-0.55	-1633.9	-0.70
34	16	0.05	0.47	-1682.0	1.67
	17	0.05	-0.69	-4619.7	5.21
35	16	0.05	-0.07	-5789.2	-4.76
	17	0.05	-0.14	-6030.1	5.74
36	16	0.05	-0.06	-3045.1	-1.89
	17	0.05	-0.13	-3954.6	4.28
37	16	0.05	-0.03	-3701.5	-2.74
	17	0.05	-0.10	-4121.8	4.19
38	16	0.05	-0.06	-3654.7	-3.42
	17	0.05	-0.13	-3233.6	2.85
39	16	0.05	-0.06	-3260.3	-2.78
	17	0.05	-0.17	-3387.0	3.24
40	16	0.05	-0.00	-4001.3	-4.44
	17	0.05	-0.22	-1184.1	-1.29
41	16	0.05	-0.12	-2758.4	-1.02
	17	0.05	-0.04	-5940.6	8.29
42	16	0.05	-0.08	-8198.5	-6.79
	17	0.05	-0.15	-8497.8	7.97
43	16	0.06	-0.47	-13700.4	-17.27
	17	0.05	0.22	-4835.8	-0.59
44	16	0.05	-0.19	-10648.7	-13.83
	17	0.05	-0.05	-1860.0	-3.85
45	16	0.06	-0.62	-14477.6	-15.14
	17	0.06	0.37	-11912.5	10.36
46	16	0.06	-0.47	-12092.0	-9.88
	17	0.06	0.23	-15002.4	16.48
47	16	0.05	0.03	-5748.4	0.26
	17	0.06	-0.26	-15135.5	19.80
48	16	0.05	0.31	-2696.6	3.69
	17	0.05	-0.53	-12159.7	16.53
49	16	0.05	0.31	-4305.1	-3.69
	17	0.05	-0.53	-1993.1	-0.53
50	16	0.05	0.46	-1919.4	1.57
	17	0.05	-0.68	-5083.0	5.59
51	16	0.05	-0.38	-7871.3	-11.28
	17	0.05	0.17	-587.7	-3.46
52	16	0.05	-0.15	-5383.9	-8.47
	17	0.05	-0.05	1829.4	-6.11
53	16	0.05	-0.50	-8499.8	-9.55
	17	0.05	0.29	-6335.9	5.44
54	16	0.05	-0.38	-6551.1	-5.27
	17	0.05	0.18	-8845.8	10.41
55	16	0.05	0.03	-1375.7	3.01
	17	0.05	-0.22	-8954.1	13.12
56	16	0.05	0.26	1111.6	5.81
	17	0.05	-0.44	-6537.0	10.46
57	16	0.05	0.26	-208.5	-0.20
	17	0.04	-0.44	1721.1	-3.41
58	16	0.04	0.38	1740.1	4.09
	17	0.04	-0.56	-788.8	1.57
1	17	0.07	-0.27	-3870.0	-6.36
	18	0.06	0.12	3255.5	-3.00
2	17	0.08	-0.47	-11452.7	-14.75
	18	0.06	0.28	2512.9	-4.56

3	17	0.07	0.61	-17608.9	-20.49
	18	0.07	-0.85	5597.1	-18.01
4	17	0.08	0.93	-18962.4	-22.88
	18	0.07	-1.14	7193.3	-20.04
5	17	0.07	0.78	-18657.8	-21.84
	18	0.07	-1.03	6446.1	-20.49
6	17	0.07	0.57	-17814.8	-20.07
	18	0.08	-0.85	4848.7	-18.57
7	17	0.08	-1.73	-4160.7	-7.54
	18	0.05	1.61	-1491.1	11.57
8	17	0.08	-1.40	-5514.2	-9.93
	18	0.05	1.32	105.1	9.54
9	17	0.08	-1.55	-5209.6	-8.89
	18	0.06	1.43	-642.2	9.10
10	17	0.08	-1.76	-4366.6	-7.11
	18	0.06	1.61	-2239.6	11.02
11	17	0.07	0.64	-13438.9	-15.81
	18	0.07	-0.87	5661.9	-16.34
12	17	0.07	-1.69	9.3	-2.86
	18	0.05	1.59	-1426.3	13.24
13	17	0.07	1.18	-15694.8	-19.79
	18	0.07	-1.34	8322.1	-19.71
14	17	0.07	-1.15	-2246.6	-6.84
	18	0.05	1.11	1233.9	9.87
15	17	0.07	0.93	-15187.1	-18.06
	18	0.07	-1.16	7076.8	-20.46
16	17	0.07	-1.41	-1739.0	-5.11
	18	0.05	1.30	-11.4	9.12
17	17	0.07	0.58	-13782.1	-15.10
	18	0.08	-0.87	4414.5	-17.26
18	17	0.07	-1.75	-333.9	-2.15
	18	0.06	1.59	-2673.8	12.32
19	17	0.07	1.48	-18300.2	-20.62
	18	0.08	-1.75	8331.2	-27.09
20	17	0.07	-2.41	4113.4	0.97
	18	0.05	2.34	-3482.5	22.21
21	17	0.07	1.81	-19653.8	-23.01
	18	0.08	-2.04	9927.3	-29.12
22	17	0.07	-2.09	2759.9	-1.41
	18	0.05	2.06	-1886.4	20.19
23	17	0.07	1.65	-19349.2	-21.97
	18	0.08	-1.93	9180.1	-29.56
24	17	0.07	-2.24	3064.5	-0.38
	18	0.05	2.17	-2633.6	19.74
25	17	0.07	1.45	-18506.2	-20.19
	18	0.08	-1.75	7582.7	-27.64
26	17	0.07	-2.44	3907.5	1.40
	18	0.05	2.34	-4231.0	21.66
27	17	0.05	0.44	-15453.1	-18.55
	18	0.05	-0.92	3853.9	-13.58
28	17	0.05	0.79	-12477.9	-16.04
	18	0.05	-0.59	6008.1	-16.21
29	17	0.06	-0.56	-15347.7	-17.02
	18	0.06	-0.67	-1322.9	-2.25
30	17	0.05	-0.51	-7323.5	-9.00
	18	0.04	0.39	-15.3	0.45
31	17	0.06	-1.29	-5234.7	-5.79
	18	0.04	0.84	-3755.8	10.02
32	17	0.05	-0.94	-2259.5	-3.27

	18	0.04	1.16	-1601.6	7.39
33	17	0.05	0.58	-5430.4	-8.64
	18	0.04	0.39	5858.1	-11.01
34	17	0.05	0.06	-2364.9	-4.81
	18	0.04	0.92	3575.2	-3.93
35	17	0.05	-0.19	-6328.7	-8.12
	18	0.05	0.07	1373.7	-2.57
36	17	0.05	-0.18	-3422.6	-4.84
	18	0.04	0.08	1314.7	-1.16
37	17	0.05	0.03	-4324.9	-6.43
	18	0.04	-0.11	2378.8	-2.51
38	17	0.05	-0.07	-4121.9	-5.74
	18	0.04	-0.04	1880.7	-2.81
39	17	0.05	-0.21	-3559.8	-4.55
	18	0.05	0.08	815.7	-1.53
40	17	0.05	0.66	-8283.9	-9.64
	18	0.05	-0.80	3984.0	-11.91
41	17	0.05	-0.90	681.6	-1.00
	18	0.04	0.83	-741.5	7.81
42	17	0.05	-0.25	-8856.3	-10.91
	18	0.05	0.12	1126.2	-3.09
43	17	0.05	0.49	-15528.0	-18.71
	18	0.05	-0.93	4083.2	-13.97
44	17	0.05	0.80	-12757.7	-16.32
	18	0.05	-0.64	6045.1	-16.65
45	17	0.06	-0.50	-15059.5	-16.88
	18	0.05	-0.64	-962.3	-2.30
46	17	0.06	-1.04	-11887.6	-12.92
	18	0.05	-0.09	-3325.1	5.03
47	17	0.06	-1.30	-4955.0	-5.50
	18	0.04	0.89	-3792.8	10.46
48	17	0.05	-0.99	-2184.6	-3.11
	18	0.04	1.18	-1830.9	7.79
49	17	0.05	0.54	-5825.0	-8.90
	18	0.04	0.34	5577.4	-11.22
50	17	0.05	0.01	-2653.1	-4.94
	18	0.04	0.88	3214.6	-3.89
51	17	0.05	0.48	-9230.7	-11.67
	18	0.05	-0.84	4024.1	-10.90
52	17	0.05	0.73	-6971.6	-9.72
	18	0.05	-0.60	5616.1	-13.07
53	17	0.05	-0.33	-8856.4	-10.19
	18	0.05	-0.60	-72.5	-1.41
54	17	0.05	-0.76	-6276.4	-6.97
	18	0.05	-0.16	-1991.8	4.55
55	17	0.05	-0.98	-630.7	-0.93
	18	0.04	0.63	-2373.7	8.97
56	17	0.05	-0.72	1628.4	1.02
	18	0.04	0.87	-781.6	6.79
57	17	0.04	0.52	-1326.0	-3.68
	18	0.04	0.19	5234.3	-8.65
58	17	0.04	0.08	1254.0	-0.46
	18	0.04	0.63	3315.0	-2.69
1	19	0.04	-0.10	-27812.0	2.09
	20	0.05	0.06	-62938.8	43.52
2	19	0.05	0.03	-28313.9	4.39
	20	0.06	-0.09	-78921.6	60.92
3	19	0.05	1.75	-25129.1	11.98

	20	0.06	-2.01	-90028.1	75.35
4	19	0.05	0.89	-25333.9	9.87
	20	0.06	-1.06	-80971.6	65.21
5	19	0.04	1.59	-27260.4	5.17
	20	0.06	-1.85	-70140.8	51.44
6	19	0.05	2.33	-26476.5	7.94
	20	0.06	-2.68	-78227.8	60.93
7	19	0.05	-1.50	-29308.1	4.01
	20	0.07	1.66	-90184.0	73.41
8	19	0.05	-2.36	-29512.8	1.89
	20	0.06	2.61	-81127.5	63.27
9	19	0.04	-1.67	-31439.4	-2.80
	20	0.06	1.82	-70296.7	49.51
10	19	0.04	-0.93	-30655.4	-0.03
	20	0.06	0.99	-78383.7	58.99
11	19	0.05	1.75	-24148.0	13.23
	20	0.06	-2.00	-89493.0	75.63
12	19	0.05	-1.51	-28326.9	5.26
	20	0.07	1.67	-89648.9	73.69
13	19	0.05	0.32	-24489.2	9.70
	20	0.06	-0.41	-74398.9	58.72
14	19	0.04	-2.93	-28668.1	1.73
	20	0.06	3.26	-74554.8	56.78
15	19	0.04	1.47	-27700.1	1.87
	20	0.05	-1.73	-56347.5	35.78
16	19	0.04	-1.78	-31879.1	-6.10
	20	0.05	1.94	-56503.4	33.84
17	19	0.04	2.71	-26393.5	6.49
	20	0.06	-3.11	-69825.9	51.59
18	19	0.04	-0.55	-30572.5	-1.48
	20	0.06	0.56	-69981.8	49.66
19	19	0.05	2.77	-23485.2	13.49
	20	0.06	-3.16	-81984.8	67.30
20	19	0.05	-2.65	-30450.1	0.20
	20	0.07	2.95	-82244.6	64.07
21	19	0.05	1.91	-23689.9	11.37
	20	0.06	-2.21	-72928.3	57.15
22	19	0.04	-3.51	-30654.9	-1.91
	20	0.06	3.90	-73188.1	53.92
23	19	0.04	2.60	-25616.5	6.67
	20	0.05	-3.00	-62097.4	43.39
24	19	0.04	-2.82	-32581.4	-6.61
	20	0.06	3.11	-62357.2	40.16
25	19	0.04	3.35	-24832.5	9.44
	20	0.06	-3.83	-70184.5	52.88
26	19	0.04	-2.08	-31797.4	-3.84
	20	0.06	2.29	-70444.3	49.65
27	19	0.03	-0.33	-22559.6	-2.82
	20	0.04	0.32	-48145.0	32.38
28	19	0.03	-3.47	-21900.1	-1.71
	20	0.04	3.91	-49677.4	34.65
29	19	0.03	4.66	-21121.0	0.03
	20	0.05	-5.39	-52499.9	38.64
30	19	0.03	0.58	-18129.0	5.43
	20	0.05	-0.70	-60319.0	50.07
31	19	0.03	3.48	-16250.6	9.01
	20	0.05	-4.00	-65695.5	57.85
32	19	0.03	0.35	-15591.0	10.12
	20	0.05	-0.41	-67227.9	60.12

33	19	0.03	-5.80	-18922.4	3.72
	20	0.04	6.59	-57607.9	46.21
34	19	0.03	-4.65	-17029.7	7.27
	20	0.05	5.29	-62873.0	53.86
35	19	0.03	-0.04	-18908.0	2.88
	20	0.04	0.00	-52358.9	40.45
36	19	0.03	-0.02	-18010.5	4.52
	20	0.04	-0.01	-54487.6	43.63
37	19	0.03	-0.59	-18147.0	3.10
	20	0.04	0.62	-48449.9	36.86
38	19	0.03	-0.13	-19431.4	-0.03
	20	0.04	0.09	-41229.4	27.69
39	19	0.03	0.36	-18908.7	1.82
	20	0.04	-0.46	-46620.7	34.01
40	19	0.03	1.00	-17347.7	4.77
	20	0.04	-1.18	-46979.3	35.30
41	19	0.03	-1.17	-20133.7	-0.54
	20	0.04	1.27	-47083.2	34.00
42	19	0.03	0.01	-19075.3	3.65
	20	0.05	-0.05	-57686.4	46.25
43	19	0.03	-0.36	-22551.0	-2.80
	20	0.04	0.34	-48234.9	32.51
44	19	0.03	-3.65	-21885.1	-1.69
	20	0.04	4.11	-49751.5	34.76
45	19	0.03	4.89	-21128.1	0.03
	20	0.05	-5.64	-52551.0	38.71
46	19	0.03	6.09	-19242.5	3.57
	20	0.05	-7.01	-57766.9	46.28
47	19	0.03	3.66	-16265.6	9.00
	20	0.05	-4.20	-65621.4	57.74
48	19	0.03	0.37	-15599.6	10.11
	20	0.05	-0.44	-67137.9	59.99
49	19	0.03	-6.08	-18908.2	3.73
	20	0.04	6.91	-57606.0	46.22
50	19	0.03	-4.87	-17022.6	7.27
	20	0.05	5.55	-62821.9	53.79
51	19	0.03	-0.37	-21576.7	-3.15
	20	0.04	0.35	-39323.2	23.44
52	19	0.03	-3.01	-21032.2	-2.24
	20	0.04	3.38	-40563.5	25.28
53	19	0.03	3.84	-20417.3	-0.84
	20	0.04	-4.45	-42837.7	28.50
54	19	0.03	4.81	-18879.1	2.04
	20	0.04	-5.54	-47090.4	34.67
55	19	0.03	2.85	-16449.2	6.47
	20	0.04	-3.29	-53499.0	44.02
56	19	0.03	0.20	-15904.7	7.38
	20	0.04	-0.26	-54739.4	45.86
57	19	0.03	-4.97	-18602.3	2.19
	20	0.04	5.64	-46972.1	34.63
58	19	0.03	-4.00	-17064.1	5.07
	20	0.04	4.55	-51224.9	40.80
1	20	0.05	-0.25	-50305.5	-43.14
	21	0.07	0.22	-42163.0	3.96
2	20	0.06	-0.21	-69636.5	-59.98
	21	0.08	0.15	-54528.3	4.50
3	20	0.06	-0.61	-72391.5	-57.60
	21	0.08	0.15	-60729.2	9.29

4	20	0.06	-0.40	-63452.7	-50.00
	21	0.08	0.13	-54433.1	6.42
5	20	0.06	-0.77	-61097.9	-50.78
	21	0.08	0.34	-46358.0	-10.31
6	20	0.06	-0.99	-66570.4	-54.60
	21	0.08	0.39	-52181.8	-3.78
7	20	0.07	0.37	-79961.7	-70.35
	21	0.08	-0.06	-64671.1	21.46
8	20	0.06	0.58	-71022.9	-62.75
	21	0.08	-0.08	-58375.0	18.60
9	20	0.06	0.21	-68668.0	-63.53
	21	0.08	0.13	-50299.9	1.87
10	20	0.06	-0.01	-74140.6	-67.36
	21	0.08	0.18	-56123.7	8.40
11	20	0.06	-0.57	-67086.2	-51.85
	21	0.08	0.11	-59994.4	16.26
12	20	0.07	0.41	-74656.3	-64.61
	21	0.08	-0.10	-63936.3	28.44
13	20	0.06	-0.22	-52188.1	-39.18
	21	0.07	0.08	-49500.9	11.49
14	20	0.06	0.76	-59758.3	-51.94
	21	0.07	-0.13	-53442.8	23.67
15	20	0.05	-0.84	-48263.4	-40.48
	21	0.07	0.42	-36042.4	-16.40
16	20	0.05	0.14	-55833.5	-53.23
	21	0.07	0.21	-39984.3	-4.22
17	20	0.06	-1.19	-57384.3	-46.85
	21	0.08	0.50	-45748.8	-5.52
18	20	0.06	-0.21	-64954.5	-59.61
	21	0.07	0.29	-49690.7	6.66
19	20	0.06	-0.95	-60202.7	-44.93
	21	0.08	0.25	-53232.6	4.96
20	20	0.07	0.68	-72819.6	-66.19
	21	0.07	-0.10	-59802.4	25.25
21	20	0.06	-0.75	-51263.9	-37.33
	21	0.07	0.23	-46936.5	2.09
22	20	0.06	0.89	-63880.8	-58.59
	21	0.07	-0.12	-53506.3	22.39
23	20	0.05	-1.12	-48909.0	-38.11
	21	0.07	0.44	-38861.4	-14.64
24	20	0.06	0.52	-61525.9	-59.36
	21	0.07	0.09	-45431.2	5.65
25	20	0.06	-1.33	-54381.6	-41.93
	21	0.08	0.49	-44685.2	-8.11
26	20	0.06	0.30	-66998.5	-63.19
	21	0.07	0.14	-51255.0	12.18
27	20	0.04	0.09	-58334.3	-54.36
	21	0.06	-0.07	-35321.1	-21.97
28	20	0.04	2.44	-57276.6	-52.95
	21	0.06	-1.75	-34770.9	-18.07
29	20	0.05	-3.63	-55419.6	-50.23
	21	0.06	2.59	-38299.9	-10.52
30	20	0.05	-0.57	-50100.7	-42.93
	21	0.05	0.40	-39386.1	9.71
31	20	0.05	-2.73	-46480.8	-37.86
	21	0.05	1.95	-41998.1	23.76
32	20	0.05	-0.38	-45423.1	-36.45
	21	0.05	0.27	-41447.9	27.67
33	20	0.04	4.19	-51893.9	-45.53

	21	0.06	-3.00	-36466.0	2.49
34	20	0.05	3.34	-48337.8	-40.58
	21	0.05	-2.40	-38469.1	16.21
35	20	0.04	-0.16	-45435.0	-39.79
	21	0.05	0.12	-34262.7	2.66
36	20	0.04	-0.11	-43351.5	-36.85
	21	0.05	0.07	-35588.8	9.73
37	20	0.04	0.03	-37392.3	-31.78
	21	0.05	0.06	-31391.4	7.82
38	20	0.04	-0.22	-35822.4	-32.30
	21	0.05	0.20	-26008.0	-3.33
39	20	0.04	-0.36	-39470.8	-34.85
	21	0.05	0.23	-29890.6	1.02
40	20	0.04	-0.50	-36468.0	-29.93
	21	0.05	0.21	-28827.0	-1.58
41	20	0.04	0.16	-41514.8	-38.43
	21	0.05	0.07	-31454.9	6.54
42	20	0.05	-0.15	-51878.7	-45.41
	21	0.06	0.10	-38384.5	2.85
43	20	0.04	0.10	-58297.9	-54.31
	21	0.06	-0.08	-35341.1	-21.76
44	20	0.04	2.56	-57240.6	-52.91
	21	0.06	-1.84	-34802.4	-17.89
45	20	0.05	-3.80	-55408.1	-50.20
	21	0.06	2.71	-38288.6	-10.41
46	20	0.05	-4.68	-51873.8	-45.28
	21	0.06	3.35	-40276.3	3.19
47	20	0.05	-2.85	-46516.8	-37.91
	21	0.05	2.03	-41966.7	23.58
48	20	0.05	-0.39	-45459.5	-36.50
	21	0.05	0.28	-41427.9	27.46
49	20	0.04	4.39	-51883.6	-45.53
	21	0.06	-3.15	-36492.8	2.50
50	20	0.05	3.51	-48349.3	-40.61
	21	0.05	-2.51	-38480.4	16.11
51	20	0.04	0.03	-44227.2	-41.44
	21	0.06	-0.00	-27661.6	-17.59
52	20	0.04	2.01	-43361.8	-40.30
	21	0.05	-1.41	-27223.4	-14.42
53	20	0.04	-3.11	-41874.5	-38.10
	21	0.05	2.24	-30061.8	-8.34
54	20	0.04	-3.82	-38992.7	-34.09
	21	0.05	2.75	-31680.8	2.75
55	20	0.04	-2.34	-34620.9	-28.07
	21	0.04	1.70	-33058.5	19.38
56	20	0.04	-0.37	-33755.6	-26.93
	21	0.04	0.29	-32620.3	22.55
57	20	0.04	3.48	-38990.1	-34.28
	21	0.05	-2.47	-28601.1	2.22
58	20	0.04	2.77	-36108.3	-30.27
	21	0.05	-1.96	-30220.1	13.31
1	22	0.04	-0.43	-24735.1	3.57
	23	0.05	0.49	-63412.2	45.79
2	22	0.04	-1.00	-24916.5	6.51
	23	0.06	1.13	-80145.6	63.99
3	22	0.04	3.42	-20511.6	15.88
	23	0.06	-3.92	-90977.4	78.00
4	22	0.04	2.92	-20962.1	13.39

	23	0.06	-3.37	-81600.3	67.48
5	22	0.04	3.77	-22988.1	8.43
	23	0.06	-4.34	-70230.3	53.09
6	22	0.04	4.29	-21980.9	11.54
	23	0.06	-4.91	-78614.9	62.94
7	22	0.04	-5.83	-26731.6	5.08
	23	0.07	6.68	-92662.4	78.05
8	22	0.04	-6.34	-27182.1	2.58
	23	0.07	7.23	-83285.3	67.53
9	22	0.04	-5.49	-29208.1	-2.37
	23	0.06	6.26	-71915.3	53.14
10	22	0.04	-4.97	-28201.0	0.74
	23	0.06	5.69	-80299.9	62.99
11	22	0.04	3.58	-19557.6	17.07
	23	0.06	-4.09	-90393.5	78.26
12	22	0.04	-5.68	-25777.7	6.26
	23	0.07	6.52	-92078.6	78.31
13	22	0.04	2.73	-20308.5	12.90
	23	0.06	-3.16	-74765.1	60.72
14	22	0.04	-6.52	-26528.5	2.10
	23	0.06	7.44	-76450.1	60.77
15	22	0.04	4.15	-23685.1	4.65
	23	0.05	-4.78	-55815.1	36.73
16	22	0.04	-5.10	-29905.1	-6.16
	23	0.06	5.82	-57500.1	36.78
17	22	0.04	5.02	-22006.5	9.83
	23	0.06	-5.73	-69789.4	53.16
18	22	0.04	-4.23	-28226.5	-0.97
	23	0.06	4.87	-71474.4	53.21
19	22	0.04	6.80	-18347.6	18.02
	23	0.06	-7.78	-82049.0	68.88
20	22	0.04	-8.63	-28714.3	0.01
	23	0.07	9.89	-84857.4	68.97
21	22	0.04	6.29	-18798.1	15.52
	23	0.06	-7.23	-72671.9	58.36
22	22	0.04	-9.13	-29164.8	-2.49
	23	0.06	10.44	-75480.3	58.45
23	22	0.04	7.14	-20824.0	10.57
	23	0.05	-8.20	-61301.9	43.97
24	22	0.04	-8.28	-31190.7	-7.44
	23	0.06	9.47	-64110.3	44.05
25	22	0.04	7.66	-19816.9	13.68
	23	0.05	-8.77	-69686.5	53.83
26	22	0.04	-7.76	-30183.6	-4.33
	23	0.06	8.90	-72494.9	53.91
27	22	0.03	-1.03	-19009.5	0.59
	23	0.04	1.16	-49584.1	35.42
28	22	0.03	-4.40	-19492.7	-0.20
	23	0.04	4.95	-50563.6	36.83
29	22	0.03	4.30	-16502.1	5.08
	23	0.05	-4.84	-54380.3	42.43
30	22	0.03	-0.10	-15641.1	6.84
	23	0.05	0.13	-61103.3	52.22
31	22	0.03	2.98	-13455.7	10.81
	23	0.05	-3.34	-66552.5	60.18
32	22	0.03	-0.38	-13938.9	10.02
	23	0.05	0.45	-67531.9	61.60
33	22	0.03	-6.91	-18112.5	2.46
	23	0.05	7.80	-57645.2	47.15

34	22	0.03	-5.71	-16446.4	5.53
	23	0.05	6.45	-62735.7	54.58
35	22	0.03	-0.51	-16413.7	4.33
	23	0.04	0.59	-52980.2	42.44
36	22	0.03	-0.46	-15490.0	6.00
	23	0.04	0.53	-55185.2	45.73
37	22	0.03	-0.79	-15790.3	4.33
	23	0.04	0.90	-48933.9	38.72
38	22	0.03	-0.22	-17141.0	1.03
	23	0.04	0.26	-41353.9	29.12
39	22	0.03	0.12	-16469.6	3.10
	23	0.04	-0.12	-46943.6	35.69
40	22	0.03	2.76	-14279.9	6.95
	23	0.04	-3.16	-46840.7	36.36
41	22	0.03	-3.41	-18426.6	-0.25
	23	0.04	3.91	-47964.1	36.39
42	22	0.03	-0.71	-16474.2	5.30
	23	0.05	0.80	-58558.0	48.51
43	22	0.03	-1.06	-18891.0	0.80
	23	0.04	1.18	-49954.7	35.96
44	22	0.03	-4.58	-19374.1	0.02
	23	0.04	5.15	-50897.8	37.32
45	22	0.03	4.53	-16466.5	5.13
	23	0.05	-5.11	-54546.7	42.68
46	22	0.03	5.80	-14871.5	8.07
	23	0.05	-6.53	-59425.7	49.80
47	22	0.03	3.17	-13574.3	10.59
	23	0.05	-3.55	-66218.2	59.70
48	22	0.03	-0.36	-14057.5	9.81
	23	0.05	0.43	-67161.3	61.06
49	22	0.03	-7.21	-18076.9	2.54
	23	0.05	8.13	-57690.3	47.21
50	22	0.03	-5.94	-16481.9	5.48
	23	0.05	6.72	-62569.3	54.33
51	22	0.03	-0.60	-18323.5	-0.32
	23	0.04	0.67	-40387.5	26.14
52	22	0.03	-3.43	-18713.2	-0.95
	23	0.04	3.86	-41156.4	27.25
53	22	0.03	3.89	-16353.2	3.20
	23	0.04	-4.38	-44131.7	31.62
54	22	0.03	4.91	-15054.2	5.59
	23	0.04	-5.52	-48109.9	37.43
55	22	0.03	2.79	-13993.4	7.65
	23	0.04	-3.12	-53648.3	45.50
56	22	0.03	-0.05	-14383.1	7.02
	23	0.04	0.07	-54417.3	46.61
57	22	0.03	-5.55	-17652.4	1.11
	23	0.04	6.26	-46694.8	35.32
58	22	0.03	-4.53	-16353.4	3.50
	23	0.04	5.13	-50673.1	41.13
1	23	0.05	0.01	-51613.5	-45.24
	24	0.07	0.12	-42651.6	3.58
2	23	0.06	0.01	-71823.8	-62.86
	24	0.08	0.27	-55720.1	4.18
3	23	0.06	-2.38	-74808.2	-61.51
	24	0.08	1.61	-60700.9	6.51
4	23	0.06	-2.15	-65472.5	-53.39
	24	0.08	1.48	-54421.1	3.97

5	23	0.06	-2.60	-62888.1	-54.16
	24	0.08	1.73	-45626.6	-13.82
6	23	0.06	-2.79	-68603.6	-58.31
	24	0.08	1.82	-51467.0	-7.32
7	23	0.07	2.64	-82635.0	-72.81
	24	0.08	-1.20	-67879.4	24.41
8	23	0.07	2.86	-73299.3	-64.69
	24	0.08	-1.34	-61599.6	21.87
9	23	0.06	2.42	-70714.9	-65.46
	24	0.08	-1.09	-52805.1	4.07
10	23	0.06	2.22	-76430.4	-69.61
	24	0.08	-0.99	-58645.5	10.57
11	23	0.06	-2.30	-69301.6	-55.57
	24	0.08	1.50	-59880.0	13.73
12	23	0.07	2.72	-77128.4	-66.87
	24	0.08	-1.31	-67058.6	31.63
13	23	0.06	-1.92	-53742.1	-42.04
	24	0.07	1.27	-49413.7	9.50
14	23	0.06	3.09	-61568.9	-53.34
	24	0.07	-1.54	-56592.2	27.39
15	23	0.05	-2.66	-49434.8	-43.32
	24	0.07	1.69	-34756.1	-20.16
16	23	0.06	2.35	-57261.6	-54.62
	24	0.07	-1.13	-41934.7	-2.26
17	23	0.06	-2.98	-58960.6	-50.24
	24	0.08	1.85	-44490.1	-9.32
18	23	0.06	2.03	-66787.5	-61.54
	24	0.07	-0.96	-51668.6	8.58
19	23	0.06	-4.05	-62094.1	-48.94
	24	0.08	2.48	-51773.8	0.25
20	23	0.07	4.31	-75138.8	-67.77
	24	0.08	-2.21	-63738.0	30.07
21	23	0.06	-3.82	-52758.4	-40.82
	24	0.07	2.34	-45494.0	-2.29
22	23	0.06	4.53	-65803.1	-59.65
	24	0.07	-2.35	-57458.2	27.53
23	23	0.05	-4.27	-50174.0	-41.59
	24	0.07	2.59	-36699.5	-20.09
24	23	0.06	4.09	-63218.7	-60.42
	24	0.07	-2.10	-48663.7	9.74
25	23	0.05	-4.46	-55889.5	-45.74
	24	0.08	2.69	-42539.8	-13.58
26	23	0.06	3.89	-68934.2	-64.57
	24	0.07	-2.00	-54504.1	16.24
27	23	0.04	0.27	-58582.5	-54.82
	24	0.06	-0.01	-35493.0	-20.91
28	23	0.04	2.57	-59226.2	-55.67
	24	0.06	-1.67	-36105.1	-18.39
29	23	0.05	-3.41	-53999.1	-48.40
	24	0.06	2.65	-37172.5	-8.27
30	23	0.05	-0.42	-51786.9	-45.18
	24	0.05	0.51	-40244.5	9.29
31	23	0.05	-2.56	-47632.7	-39.33
	24	0.05	2.07	-42332.2	23.61
32	23	0.05	-0.26	-48276.3	-40.18
	24	0.05	0.41	-42944.3	26.14
33	23	0.05	4.26	-56144.7	-51.24
	24	0.06	-2.87	-39213.0	0.14
34	23	0.05	3.41	-52859.8	-46.60

	24	0.06	-2.25	-41264.8	13.50
35	23	0.04	0.00	-46692.6	-41.63
	24	0.05	0.15	-34862.5	2.42
36	23	0.04	0.08	-44554.4	-38.62
	24	0.05	0.06	-36219.7	9.74
37	23	0.04	0.23	-38330.6	-33.21
	24	0.05	-0.03	-32033.1	8.04
38	23	0.04	-0.06	-36607.7	-33.72
	24	0.05	0.14	-26170.1	-3.82
39	23	0.04	-0.19	-40418.0	-36.49
	24	0.05	0.20	-30063.7	0.52
40	23	0.04	-1.67	-37346.9	-31.99
	24	0.05	1.04	-28113.4	-3.75
41	23	0.04	1.67	-42564.8	-39.52
	24	0.05	-0.84	-32899.1	8.18
42	23	0.05	0.00	-53429.4	-47.50
	24	0.06	0.20	-39218.6	2.61
43	23	0.04	0.27	-58370.3	-54.52
	24	0.06	-0.02	-35624.0	-19.96
44	23	0.04	2.68	-58989.2	-55.33
	24	0.06	-1.75	-36244.7	-17.53
45	23	0.05	-3.58	-53973.0	-48.38
	24	0.06	2.76	-37198.9	-7.84
46	23	0.05	-4.46	-50822.8	-43.92
	24	0.05	3.41	-39169.4	4.97
47	23	0.05	-2.68	-47869.6	-39.67
	24	0.05	2.15	-42192.6	22.76
48	23	0.05	-0.27	-48488.5	-40.48
	24	0.05	0.42	-42813.3	25.19
49	23	0.05	4.46	-56036.0	-51.08
	24	0.06	-3.01	-39267.9	0.25
50	23	0.05	3.58	-52885.8	-46.62
	24	0.06	-2.36	-41238.4	13.07
51	23	0.04	0.22	-43983.4	-41.48
	24	0.05	-0.08	-27575.1	-16.19
52	23	0.04	2.16	-44485.9	-42.14
	24	0.06	-1.47	-28078.5	-14.21
53	23	0.04	-2.88	-40401.9	-36.47
	24	0.05	2.16	-28863.5	-6.31
54	23	0.04	-3.59	-37834.6	-32.84
	24	0.05	2.69	-30471.2	4.14
55	23	0.04	-2.16	-35425.8	-29.37
	24	0.05	1.67	-32934.1	18.64
56	23	0.04	-0.22	-35928.3	-30.03
	24	0.05	0.28	-33437.5	20.63
57	23	0.04	3.59	-42077.1	-38.67
	24	0.05	-2.48	-30541.4	0.29
58	23	0.04	2.88	-39509.8	-35.04
	24	0.05	-1.96	-32149.1	10.74
1	25	0.05	-1.81	-11833.6	-1.31
	26	0.05	0.79	-29028.3	25.67
2	25	0.05	1.00	-14881.7	-2.67
	26	0.06	-2.53	-35398.1	31.12
3	25	0.06	4.99	-26310.1	-3.17
	26	0.06	-9.79	-41493.2	30.35
4	25	0.06	2.92	-24342.6	-2.75
	26	0.06	-7.27	-37659.4	27.23
5	25	0.06	3.46	-24571.1	-4.60

	26	0.06	-7.81	-32182.7	20.42
6	25	0.06	4.92	-25878.5	-4.30
	26	0.06	-9.63	-35847.4	23.76
7	25	0.05	-1.20	-5536.3	-0.86
	26	0.06	2.43	-39727.0	43.03
8	25	0.05	-3.27	-3568.8	-0.44
	26	0.06	4.94	-35893.2	39.91
9	25	0.04	-2.74	-3797.2	-2.29
	26	0.06	4.40	-30416.5	33.10
10	25	0.05	-1.27	-5104.7	-1.99
	26	0.06	2.58	-34081.2	36.44
11	25	0.06	4.19	-25480.4	-2.05
	26	0.06	-8.89	-41783.0	31.34
12	25	0.05	-2.00	-4706.6	0.26
	26	0.06	3.32	-40016.8	44.01
13	25	0.06	0.74	-22201.3	-1.35
	26	0.06	-4.70	-35393.2	26.14
14	25	0.04	-5.45	-1427.4	0.95
	26	0.06	7.51	-33627.0	38.82
15	25	0.06	1.63	-22582.0	-4.43
	26	0.05	-5.60	-26265.5	14.79
16	25	0.04	-4.56	-1808.1	-2.13
	26	0.05	6.61	-24499.3	27.46
17	25	0.06	4.07	-24761.1	-3.94
	26	0.06	-8.64	-32373.3	20.36
18	25	0.04	-2.12	-3987.3	-1.63
	26	0.06	3.58	-30607.1	33.04
19	25	0.07	5.66	-31710.7	-3.26
	26	0.06	-12.20	-38897.0	23.40
20	25	0.04	-4.66	2912.4	0.59
	26	0.06	8.16	-35953.4	44.53
21	25	0.07	3.58	-29743.2	-2.84
	26	0.06	-9.68	-35063.2	20.28
22	25	0.04	-6.74	4879.9	1.01
	26	0.06	10.67	-32119.5	41.41
23	25	0.07	4.12	-29971.7	-4.69
	26	0.05	-10.22	-29586.5	13.47
24	25	0.04	-6.20	4651.5	-0.84
	26	0.06	10.13	-26642.9	34.60
25	25	0.07	5.58	-31279.1	-4.39
	26	0.06	-12.04	-33251.2	16.82
26	25	0.04	-4.74	3344.0	-0.55
	26	0.06	8.31	-30307.5	37.94
27	25	0.04	4.08	-15279.6	-5.62
	26	0.04	-5.96	-21588.5	14.91
28	25	0.04	1.80	-11833.4	-4.46
	26	0.04	-2.86	-20547.8	16.57
29	25	0.04	5.21	-17594.5	-4.92
	26	0.04	-7.82	-26780.2	18.55
30	25	0.04	0.12	-10388.8	-1.21
	26	0.04	-1.16	-28455.1	26.10
31	25	0.04	-0.27	-10406.2	0.26
	26	0.04	-0.95	-32953.0	30.85
32	25	0.04	-2.54	-6960.0	1.42
	26	0.04	2.14	-31912.3	32.51
33	25	0.03	-2.37	-6107.1	-1.04
	26	0.04	2.50	-23311.2	24.08
34	25	0.04	-3.67	-4645.1	0.72
	26	0.04	4.00	-26720.5	28.87

35	25	0.04	-0.17	-10103.8	-1.64
	26	0.04	-0.80	-24627.1	21.89
36	25	0.04	-0.50	-9782.1	-0.75
	26	0.04	-0.46	-25978.5	23.79
37	25	0.04	-1.88	-8470.4	-0.47
	26	0.04	1.21	-23422.6	21.71
38	25	0.04	-1.52	-8622.7	-1.71
	26	0.04	0.86	-19771.5	17.17
39	25	0.04	-0.55	-9494.4	-1.51
	26	0.04	-0.36	-22214.6	19.40
40	25	0.04	0.96	-16012.4	-1.96
	26	0.04	-3.77	-23092.5	15.85
41	25	0.03	-3.16	-2163.1	-0.42
	26	0.04	4.38	-21915.1	24.30
42	25	0.04	0.77	-11119.8	-2.10
	26	0.04	-1.91	-26750.4	23.71
43	25	0.04	4.06	-15406.2	-5.50
	26	0.04	-6.00	-21953.8	15.35
44	25	0.04	1.69	-11809.2	-4.30
	26	0.04	-2.77	-20914.2	17.04
45	25	0.04	5.35	-17861.3	-4.95
	26	0.04	-8.05	-26888.1	18.64
46	25	0.04	4.09	-16368.5	-3.27
	26	0.04	-6.56	-30077.9	23.15
47	25	0.04	-0.15	-10430.4	0.10
	26	0.04	-1.05	-32586.5	30.38
48	25	0.04	-2.52	-6833.3	1.31
	26	0.04	2.19	-31547.0	32.07
49	25	0.03	-2.55	-5871.0	-0.93
	26	0.04	2.74	-23422.8	24.27
50	25	0.04	-3.81	-4378.3	0.75
	26	0.04	4.23	-26612.7	28.78
51	25	0.04	1.56	-12564.5	-3.97
	26	0.04	-3.00	-18595.1	13.27
52	25	0.03	-0.35	-9666.9	-3.00
	26	0.04	-0.40	-17756.1	14.63
53	25	0.04	2.59	-14525.5	-3.50
	26	0.04	-4.63	-22603.7	15.97
54	25	0.04	1.56	-13308.8	-2.13
	26	0.04	-3.43	-25200.7	19.64
55	25	0.04	-1.85	-8508.6	0.61
	26	0.04	1.01	-27251.5	25.53
56	25	0.04	-3.76	-5611.0	1.58
	26	0.04	3.61	-26412.5	26.89
57	25	0.03	-3.76	-4866.7	-0.26
	26	0.04	4.04	-19806.9	20.51
58	25	0.03	-4.79	-3650.0	1.12
	26	0.04	5.24	-22403.9	24.19
1	26	0.05	-3.39	-41804.9	-27.21
	27	0.06	2.39	-36595.6	2.92
2	26	0.06	-2.89	-51251.5	-33.13
	27	0.07	0.84	-46076.2	3.63
3	26	0.06	-7.48	-53235.5	-22.74
	27	0.08	0.74	-59676.2	5.23
4	26	0.06	-7.41	-48741.8	-20.35
	27	0.08	1.48	-54537.3	3.53
5	26	0.06	-6.98	-48642.7	-21.87
	27	0.08	0.96	-51128.3	-6.23

6	26	0.06	-7.22	-51315.4	-22.67
	27	0.08	0.58	-55399.8	-2.56
7	26	0.06	1.17	-54640.6	-44.63
	27	0.06	0.63	-42263.7	14.77
8	26	0.06	1.25	-50146.9	-42.25
	27	0.06	1.37	-37124.7	13.07
9	26	0.06	1.68	-50047.7	-43.76
	27	0.06	0.85	-33715.7	3.30
10	26	0.06	1.43	-52720.5	-44.56
	27	0.06	0.47	-37987.3	6.98
11	26	0.06	-7.91	-50303.3	-20.15
	27	0.08	1.42	-58198.4	9.11
12	26	0.06	0.75	-51708.4	-42.04
	27	0.06	1.31	-40785.9	18.65
13	26	0.06	-7.78	-42813.7	-16.17
	27	0.07	2.65	-49633.5	6.29
14	26	0.06	0.87	-44218.8	-38.07
	27	0.06	2.54	-32221.0	15.82
15	26	0.05	-7.07	-42648.5	-18.70
	27	0.07	1.78	-43951.9	-9.99
16	26	0.05	1.59	-44053.6	-40.60
	27	0.06	1.66	-26539.3	-0.45
17	26	0.06	-7.47	-47103.1	-20.03
	27	0.08	1.15	-51071.1	-3.86
18	26	0.06	1.18	-48508.2	-41.93
	27	0.06	1.04	-33658.5	5.67
19	26	0.06	-10.62	-48043.9	-12.48
	27	0.08	1.56	-60740.1	1.69
20	26	0.06	3.81	-50385.7	-48.97
	27	0.05	1.37	-31719.2	17.59
21	26	0.06	-10.54	-43550.1	-10.09
	27	0.08	2.30	-55601.2	-0.01
22	26	0.06	3.88	-45891.9	-46.58
	27	0.05	2.11	-26580.2	15.89
23	26	0.05	-10.11	-43451.0	-11.61
	27	0.08	1.77	-52192.2	-9.77
24	26	0.06	4.31	-45792.8	-48.10
	27	0.05	1.58	-23171.2	6.13
25	26	0.06	-10.36	-46123.7	-12.41
	27	0.08	1.40	-56463.7	-6.09
26	26	0.06	4.07	-48465.6	-48.90
	27	0.05	1.21	-27442.8	9.80
27	26	0.04	-0.81	-42579.2	-28.78
	27	0.06	-1.34	-36747.2	-9.57
28	26	0.04	1.29	-41561.4	-30.04
	27	0.06	-2.38	-33824.1	-11.18
29	26	0.04	-4.73	-40789.2	-24.22
	27	0.06	1.39	-38564.6	1.38
30	26	0.04	-2.49	-36540.9	-23.68
	27	0.05	0.95	-32327.4	6.45
31	26	0.04	-5.01	-34072.3	-19.97
	27	0.05	2.98	-32196.0	16.32
32	26	0.04	-2.91	-33054.5	-21.23
	27	0.04	1.94	-29272.9	14.71
33	26	0.04	2.27	-37396.6	-28.42
	27	0.05	-2.09	-28820.9	-4.01
34	26	0.04	1.01	-34844.5	-25.78
	27	0.05	-0.79	-27455.6	3.76
35	26	0.04	-2.03	-34668.0	-23.03

	27	0.05	0.82	-29849.9	2.33
36	26	0.04	-2.37	-33310.2	-21.43
	27	0.05	1.24	-29952.2	6.33
37	26	0.04	-2.32	-30314.4	-19.83
	27	0.04	1.73	-26526.2	5.20
38	26	0.04	-2.04	-30248.3	-20.85
	27	0.05	1.38	-24253.5	-1.31
39	26	0.04	-2.20	-32030.1	-21.38
	27	0.05	1.13	-27101.2	1.14
40	26	0.04	-5.08	-31050.8	-13.76
	27	0.05	1.37	-32493.9	-1.09
41	26	0.04	0.69	-31987.5	-28.35
	27	0.04	1.30	-20885.5	5.27
42	26	0.04	-1.86	-37816.9	-25.00
	27	0.05	0.30	-33010.1	2.57
43	26	0.04	-0.94	-42341.1	-28.49
	27	0.06	-1.18	-36749.7	-8.83
44	26	0.04	1.25	-41296.8	-29.78
	27	0.06	-2.22	-33706.1	-10.39
45	26	0.04	-4.90	-40758.0	-24.09
	27	0.06	1.44	-38748.1	1.52
46	26	0.04	-6.11	-38356.7	-21.61
	27	0.05	2.64	-37417.4	8.83
47	26	0.04	-4.97	-34336.9	-20.22
	27	0.05	2.82	-32314.1	15.53
48	26	0.04	-2.78	-33292.7	-21.51
	27	0.04	1.78	-29270.4	13.96
49	26	0.04	2.38	-37277.1	-28.40
	27	0.05	-2.04	-28602.7	-3.69
50	26	0.04	1.17	-34875.8	-25.92
	27	0.05	-0.84	-27272.0	3.62
51	26	0.04	-1.45	-35204.7	-23.90
	27	0.05	0.13	-29717.1	-7.19
52	26	0.04	0.31	-34362.0	-24.94
	27	0.05	-0.71	-27266.3	-8.46
53	26	0.04	-4.64	-33903.0	-20.33
	27	0.05	2.25	-31315.0	1.23
54	26	0.04	-5.61	-31944.5	-18.31
	27	0.05	3.23	-30233.8	7.18
55	26	0.04	-4.70	-28676.3	-17.17
	27	0.04	3.38	-26113.0	12.64
56	26	0.04	-2.95	-27833.5	-18.21
	27	0.04	2.54	-23662.2	11.38
57	26	0.04	1.22	-31093.8	-23.80
	27	0.04	-0.55	-23145.5	-3.00
58	26	0.04	0.25	-29135.2	-21.78
	27	0.04	0.42	-22064.3	2.96
1	1	0.05	-3.93	-12202.5	-3.42
	8	0.05	3.11	-18754.0	14.64
2	1	0.05	-4.40	-13954.2	-4.25
	8	0.05	3.63	-21942.8	17.36
3	1	0.06	-5.46	-13470.2	19.01
	8	0.05	3.52	-34602.0	24.07
4	1	0.06	-5.46	-13522.6	19.50
	8	0.05	3.56	-33493.7	22.78
5	1	0.06	-5.48	-12011.4	18.73
	8	0.05	3.71	-31367.1	21.61
6	1	0.06	-5.26	-12070.9	18.02

	8	0.05	3.43	-32054.0	22.46
7	1	0.04	-3.51	-15982.8	-27.16
	8	0.05	3.76	-12929.5	13.49
8	1	0.04	-3.52	-16035.2	-26.67
	8	0.05	3.80	-11821.2	12.19
9	1	0.04	-3.54	-14524.0	-27.44
	8	0.05	3.95	-9694.6	11.03
10	1	0.04	-3.32	-14583.4	-28.14
	8	0.05	3.68	-10381.5	11.88
11	1	0.06	-5.27	-13109.3	19.55
	8	0.05	3.26	-34222.9	23.66
12	1	0.04	-3.33	-15621.8	-26.62
	8	0.05	3.51	-12550.4	13.07
13	1	0.06	-5.28	-13196.6	20.36
	8	0.05	3.33	-32375.8	21.50
14	1	0.04	-3.34	-15709.2	-25.80
	8	0.05	3.57	-10703.3	10.92
15	1	0.06	-5.32	-10677.9	19.08
	8	0.05	3.58	-28831.5	19.55
16	1	0.04	-3.38	-13190.5	-27.09
	8	0.05	3.82	-7159.0	8.97
17	1	0.06	-4.95	-10777.0	17.90
	8	0.05	3.12	-29976.3	20.97
18	1	0.04	-3.00	-13289.6	-28.26
	8	0.05	3.37	-8303.8	10.39
19	1	0.07	-5.87	-11756.8	34.81
	8	0.05	3.17	-40231.8	26.24
20	1	0.04	-2.63	-15944.5	-42.13
	8	0.05	3.58	-4110.9	8.60
21	1	0.07	-5.87	-11809.3	35.30
	8	0.05	3.21	-39123.5	24.94
22	1	0.04	-2.63	-15996.9	-41.64
	8	0.05	3.63	-3002.7	7.30
23	1	0.07	-5.89	-10298.0	34.53
	8	0.05	3.36	-36996.9	23.78
24	1	0.03	-2.65	-14485.7	-42.41
	8	0.05	3.78	-876.1	6.14
25	1	0.07	-5.67	-10357.5	33.83
	8	0.05	3.09	-37683.8	24.63
26	1	0.03	-2.43	-14545.1	-43.11
	8	0.05	3.50	-1563.0	6.99
27	1	0.03	-3.89	-4564.5	-2.53
	8	0.04	3.96	-11742.8	14.23
28	1	0.03	-5.19	-2742.4	4.20
	8	0.04	5.15	-15119.8	16.95
29	1	0.03	-1.51	-11634.1	-13.46
	8	0.04	1.32	-9866.8	9.12
30	1	0.04	-2.93	-12834.9	-4.86
	8	0.04	2.23	-17264.2	12.01
31	1	0.04	-1.41	-18689.7	-11.30
	8	0.04	0.38	-17639.6	8.73
32	1	0.05	-2.71	-16867.7	-4.56
	8	0.04	1.57	-21016.6	11.45
33	1	0.04	-5.84	-5560.5	9.00
	8	0.04	5.28	-21123.6	18.21
34	1	0.04	-5.10	-9798.1	6.37
	8	0.04	4.21	-22892.6	16.56
35	1	0.04	-3.14	-10132.2	-3.27
	8	0.04	2.59	-15316.8	11.93

36	1	0.04	-3.04	-10063.2	-2.87
	8	0.04	2.42	-15469.2	11.97
37	1	0.04	-3.04	-10098.1	-2.54
	8	0.04	2.45	-14730.4	11.11
38	1	0.04	-3.06	-9090.6	-3.06
	8	0.04	2.55	-13312.6	10.33
39	1	0.04	-2.91	-9130.3	-3.53
	8	0.04	2.36	-13770.6	10.90
40	1	0.04	-3.63	-8710.8	12.40
	8	0.04	2.33	-21478.1	14.55
41	1	0.03	-2.34	-10385.8	-18.38
	8	0.04	2.50	-7029.7	7.50
42	1	0.04	-3.30	-10716.1	-3.55
	8	0.04	2.76	-16379.7	12.84
43	1	0.03	-3.92	-4336.2	-2.48
	8	0.04	4.01	-11604.6	14.30
44	1	0.03	-5.29	-2443.1	4.57
	8	0.04	5.27	-15122.7	17.16
45	1	0.03	-1.41	-11673.3	-13.93
	8	0.04	1.23	-9611.3	8.93
46	1	0.03	-0.63	-16069.1	-16.68
	8	0.04	0.11	-11421.0	7.20
47	1	0.04	-1.31	-18989.0	-11.66
	8	0.04	0.26	-17636.7	8.52
48	1	0.05	-2.68	-17096.0	-4.61
	8	0.04	1.52	-21154.8	11.38
49	1	0.04	-5.98	-5363.1	9.59
	8	0.04	5.42	-21338.4	18.48
50	1	0.04	-5.19	-9758.9	6.83
	8	0.04	4.29	-23148.1	16.75
51	1	0.03	-3.48	-4364.4	-2.16
	8	0.04	3.42	-10361.8	12.19
52	1	0.03	-4.58	-2843.7	3.51
	8	0.04	4.42	-13201.7	14.48
53	1	0.03	-1.47	-10299.6	-11.33
	8	0.04	1.20	-8779.1	7.89
54	1	0.03	-0.84	-13866.2	-13.53
	8	0.04	0.29	-10262.4	6.51
55	1	0.04	-1.39	-16252.9	-9.49
	8	0.04	0.41	-15306.1	7.57
56	1	0.04	-2.49	-14732.1	-3.82
	8	0.04	1.41	-18146.0	9.86
57	1	0.04	-5.13	-5230.4	7.55
	8	0.03	4.54	-18245.4	15.54
58	1	0.04	-4.50	-8796.9	5.35
	8	0.04	3.63	-19728.7	14.15
1	8	0.05	-2.86	-17851.0	-15.34
	13	0.04	2.26	-6556.1	1.70
2	8	0.05	-3.83	-21219.8	-17.43
	13	0.05	3.45	-10602.3	5.05
3	8	0.05	-9.78	-11599.6	4.15
	13	0.05	8.38	-21418.0	21.95
4	8	0.05	-8.95	-9038.6	6.84
	13	0.05	7.52	-19476.2	21.11
5	8	0.05	-7.96	-8931.9	4.94
	13	0.04	6.61	-16359.1	17.23
6	8	0.05	-8.70	-10961.5	2.77
	13	0.05	7.34	-17870.7	17.83

7	8	0.05	0.19	-33866.3	-39.97
	13	0.05	0.44	-5411.5	-6.62
8	8	0.05	1.02	-31305.2	-37.28
	13	0.04	-0.42	-3469.7	-7.47
9	8	0.05	2.01	-31198.5	-39.18
	13	0.04	-1.33	-352.6	-11.34
10	8	0.05	1.27	-33228.1	-41.35
	13	0.04	-0.60	-1864.2	-10.74
11	8	0.05	-9.93	-10924.1	4.87
	13	0.05	8.42	-21269.9	22.02
12	8	0.05	0.04	-33190.7	-39.25
	13	0.05	0.49	-5263.5	-6.56
13	8	0.05	-8.55	-6655.7	9.35
	13	0.05	6.98	-18033.6	20.61
14	8	0.05	1.41	-28922.3	-34.77
	13	0.04	-0.95	-2027.1	-7.97
15	8	0.05	-6.90	-6477.8	6.18
	13	0.04	5.47	-12838.5	14.14
16	8	0.05	3.07	-28744.4	-37.94
	13	0.04	-2.47	3168.0	-14.43
17	8	0.05	-8.13	-9860.4	2.58
	13	0.05	6.68	-15357.8	15.15
18	8	0.05	1.83	-32127.0	-41.54
	13	0.04	-1.25	648.7	-13.42
19	8	0.05	-12.61	-2493.1	19.90
	13	0.05	10.43	-24730.4	29.80
20	8	0.05	4.00	-39604.1	-53.63
	13	0.04	-2.80	1947.0	-17.82
21	8	0.05	-11.78	68.0	22.59
	13	0.05	9.57	-22788.6	28.95
22	8	0.05	4.83	-37043.1	-50.95
	13	0.04	-3.66	3888.9	-18.67
23	8	0.05	-10.79	174.7	20.69
	13	0.04	8.66	-19671.5	25.08
24	8	0.05	5.82	-36936.4	-52.85
	13	0.04	-4.57	7005.9	-22.55
25	8	0.05	-11.53	-1854.9	18.52
	13	0.05	9.39	-21183.1	25.68
26	8	0.05	5.08	-38965.9	-55.01
	13	0.04	-3.84	5494.3	-21.94
27	8	0.04	0.97	-15191.1	-26.25
	13	0.03	-0.40	181.4	-8.88
28	8	0.04	0.13	-9998.3	-16.75
	13	0.03	0.27	-3284.4	-1.35
29	8	0.04	-0.47	-23633.6	-31.31
	13	0.03	0.74	-797.7	-10.85
30	8	0.04	-3.93	-17022.8	-10.31
	13	0.03	3.49	-10879.1	7.54
31	8	0.04	-5.93	-22003.5	-9.04
	13	0.04	5.07	-14168.7	10.58
32	8	0.04	-6.77	-16810.7	0.46
	13	0.03	5.74	-17634.5	18.11
33	8	0.04	-3.26	-6324.5	0.36
	13	0.03	2.96	-12350.3	14.24
34	8	0.04	-5.33	-8368.2	5.52
	13	0.03	4.60	-16655.4	20.08
35	8	0.04	-2.57	-14878.0	-12.20
	13	0.03	2.28	-7377.8	3.50
36	8	0.04	-2.89	-14763.9	-11.82

	13	0.03	2.52	-7904.1	4.12
37	8	0.04	-2.34	-13056.5	-10.03
	13	0.03	1.94	-6609.6	3.56
38	8	0.04	-1.68	-12985.4	-11.30
	13	0.03	1.34	-4531.5	0.97
39	8	0.04	-2.17	-14338.4	-12.74
	13	0.03	1.82	-5539.3	1.37
40	8	0.04	-5.57	-6332.9	3.20
	13	0.03	4.52	-11364.6	11.90
41	8	0.04	1.07	-21177.3	-26.21
	13	0.03	-0.77	-693.6	-7.15
42	8	0.04	-2.90	-16000.9	-12.90
	13	0.03	2.67	-8726.6	4.62
43	8	0.04	1.10	-22210.9	-26.63
	13	0.03	-0.50	436.5	-9.26
44	8	0.04	0.25	-16789.2	-16.74
	13	0.03	0.18	-3139.3	-1.45
45	8	0.04	-0.41	-26086.8	-32.02
	13	0.03	0.70	-554.3	-11.40
46	8	0.04	-2.55	-23987.3	-26.74
	13	0.03	2.40	-4979.4	-5.42
47	8	0.04	-6.04	-15212.6	-9.05
	13	0.04	5.17	-14313.8	10.68
48	8	0.04	-6.89	-9790.9	0.84
	13	0.03	5.84	-17889.6	18.49
49	8	0.04	-3.25	-8014.5	0.95
	13	0.03	2.95	-12473.7	14.65
50	8	0.04	-5.39	-5915.0	6.23
	13	0.03	4.65	-16898.8	20.63
51	8	0.04	1.01	-18783.4	-22.71
	13	0.03	-0.70	1457.9	-8.96
52	8	0.04	0.31	-14417.1	-14.72
	13	0.03	-0.15	-1452.7	-2.63
53	8	0.04	-0.22	-21885.7	-26.98
	13	0.03	0.27	631.3	-10.62
54	8	0.04	-1.96	-20178.6	-22.65
	13	0.03	1.65	-2987.7	-5.72
55	8	0.04	-4.80	-13093.0	-8.29
	13	0.03	3.91	-10605.6	7.39
56	8	0.04	-5.50	-8726.8	-0.30
	13	0.03	4.46	-13516.1	13.71
57	8	0.03	-2.54	-7331.5	-0.36
	13	0.03	2.11	-9070.6	10.47
58	8	0.04	-4.28	-5624.4	3.97
	13	0.03	3.49	-12689.6	15.38
1	13	0.04	-2.62	-4718.1	-1.92
	19	0.04	2.69	-6253.4	5.92
2	13	0.05	-3.34	-9142.5	-5.86
	19	0.05	4.07	-11461.6	11.07
3	13	0.05	-4.66	-13120.9	-8.02
	19	0.05	4.97	-15834.9	14.25
4	13	0.05	-4.24	-9601.4	-3.96
	19	0.05	4.27	-13229.2	12.50
5	13	0.04	-3.85	-7628.1	-3.18
	19	0.04	3.79	-8573.2	6.73
6	13	0.05	-4.17	-10509.4	-6.48
	19	0.05	4.27	-10957.5	8.40
7	13	0.05	-2.90	-11295.9	-9.11

	19	0.05	4.53	-15210.4	16.31
8	13	0.04	-2.48	-7776.5	-5.05
	19	0.05	3.83	-12604.7	14.56
9	13	0.04	-2.10	-5803.1	-4.26
	19	0.04	3.34	-7948.8	8.79
10	13	0.04	-2.41	-8684.5	-7.57
	19	0.04	3.82	-10333.0	10.46
11	13	0.05	-4.59	-12952.6	-7.85
	19	0.05	4.74	-15938.1	14.48
12	13	0.05	-2.84	-11127.7	-8.94
	19	0.05	4.29	-15313.6	16.54
13	13	0.05	-3.89	-7086.9	-1.09
	19	0.05	3.57	-11595.2	11.57
14	13	0.04	-2.14	-5262.0	-2.18
	19	0.04	3.13	-10970.8	13.63
15	13	0.04	-3.25	-3797.9	0.22
	19	0.04	2.76	-3835.4	1.94
16	13	0.04	-1.50	-1973.0	-0.86
	19	0.04	2.31	-3210.9	4.00
17	13	0.05	-3.78	-8600.2	-5.29
	19	0.04	3.56	-7809.1	4.73
18	13	0.04	-2.02	-6775.3	-6.38
	19	0.04	3.11	-7184.6	6.79
19	13	0.05	-4.88	-11517.0	-5.69
	19	0.05	4.43	-13438.9	10.99
20	13	0.04	-1.96	-8475.4	-7.50
	19	0.05	3.69	-12398.1	14.42
21	13	0.05	-4.46	-7997.5	-1.63
	19	0.05	3.73	-10833.2	9.24
22	13	0.04	-1.54	-4956.0	-3.44
	19	0.04	2.99	-9792.4	12.67
23	13	0.04	-4.08	-6024.2	-0.84
	19	0.04	3.25	-6177.3	3.47
24	13	0.04	-1.16	-2982.6	-2.65
	19	0.04	2.50	-5136.5	6.90
25	13	0.05	-4.39	-8905.5	-4.15
	19	0.04	3.73	-8561.6	5.14
26	13	0.04	-1.47	-5864.0	-5.96
	19	0.04	2.98	-7520.7	8.57
27	13	0.03	-1.09	-4315.3	-3.02
	19	0.03	2.12	-2982.0	-1.66
28	13	0.03	-1.49	-1430.5	3.12
	19	0.03	2.44	-6051.4	5.74
29	13	0.03	-1.50	-11096.7	-13.91
	19	0.03	2.39	-2918.1	-5.28
30	13	0.03	-2.91	-9216.5	-6.89
	19	0.03	3.47	-11048.4	11.37
31	13	0.04	-3.59	-14074.6	-13.69
	19	0.03	3.95	-13030.8	12.69
32	13	0.03	-3.99	-11189.8	-7.56
	19	0.03	4.27	-16100.2	20.10
33	13	0.03	-2.83	-1480.7	6.54
	19	0.03	3.45	-13149.4	19.41
34	13	0.03	-3.58	-4408.5	3.34
	19	0.03	4.00	-16164.1	23.71
35	13	0.03	-2.30	-6277.8	-3.97
	19	0.03	2.73	-7805.0	7.50
36	13	0.03	-2.35	-6846.9	-4.46
	19	0.03	2.73	-8776.3	8.59

37	13	0.03	-2.07	-4500.6	-1.76
	19	0.03	2.26	-7039.1	7.43
38	13	0.03	-1.82	-3185.0	-1.23
	19	0.03	1.94	-3935.2	3.58
39	13	0.03	-2.03	-5105.9	-3.44
	19	0.03	2.26	-5524.7	4.69
40	13	0.03	-2.64	-5411.3	-2.30
	19	0.03	2.42	-6277.1	5.10
41	13	0.03	-1.48	-4194.6	-3.02
	19	0.03	2.13	-5860.8	6.47
42	13	0.03	-2.54	-7752.6	-5.29
	19	0.03	3.19	-9541.1	9.22
43	13	0.03	-1.05	-4177.4	-2.89
	19	0.03	2.09	-2903.7	-1.90
44	13	0.03	-1.46	-1136.3	3.56
	19	0.03	2.41	-6096.2	5.83
45	13	0.03	-1.47	-11292.4	-14.34
	19	0.03	2.37	-2707.9	-5.84
46	13	0.03	-2.24	-14349.8	-17.72
	19	0.03	2.94	-5732.6	-1.49
47	13	0.04	-3.62	-14368.9	-14.14
	19	0.03	3.98	-12986.0	12.60
48	13	0.03	-4.03	-11327.8	-7.69
	19	0.03	4.30	-16178.4	20.33
49	13	0.03	-2.84	-1155.4	7.14
	19	0.03	3.45	-13349.6	19.93
50	13	0.03	-3.61	-4212.8	3.77
	19	0.03	4.02	-16374.2	24.28
51	13	0.03	-0.84	-1913.0	-0.75
	19	0.03	1.37	-649.9	-3.27
52	13	0.03	-1.18	515.9	4.41
	19	0.03	1.64	-3232.4	2.97
53	13	0.03	-1.18	-7619.7	-9.92
	19	0.03	1.60	-526.4	-6.39
54	13	0.03	-1.81	-10082.3	-12.62
	19	0.03	2.06	-3003.1	-2.82
55	13	0.03	-2.94	-10121.8	-9.73
	19	0.03	2.91	-8905.4	8.61
56	13	0.03	-3.28	-7692.9	-4.57
	19	0.03	3.18	-11488.0	14.84
57	13	0.03	-2.30	476.4	7.30
	19	0.03	2.49	-9134.8	14.40
58	13	0.03	-2.93	-1986.2	4.60
	19	0.03	2.95	-11611.4	17.96
1	19	0.04	-0.61	-6647.4	-7.87
	22	0.04	1.41	-2087.3	1.48
2	19	0.05	-0.22	-11915.3	-12.89
	22	0.04	1.89	-7691.7	7.36
3	19	0.05	-0.13	-18621.6	-22.18
	22	0.04	1.57	-7963.4	1.86
4	19	0.05	-0.31	-14995.2	-17.94
	22	0.04	1.35	-5218.4	-0.33
5	19	0.04	-0.37	-11590.6	-15.75
	22	0.04	1.21	-210.6	-6.33
6	19	0.05	-0.26	-14926.3	-19.64
	22	0.04	1.36	-2742.7	-4.33
7	19	0.05	-0.02	-13080.3	-10.81
	22	0.04	2.64	-16103.4	22.04

8	19	0.05	-0.19	-9453.8	-6.57
	22	0.04	2.42	-13358.3	19.85
9	19	0.04	-0.26	-6049.2	-4.38
	22	0.04	2.28	-8350.5	13.84
10	19	0.04	-0.15	-9384.9	-8.27
	22	0.04	2.42	-10882.7	15.85
11	19	0.05	-0.23	-18611.4	-22.07
	22	0.04	1.47	-8055.7	1.98
12	19	0.05	-0.11	-13070.0	-10.70
	22	0.04	2.53	-16195.7	22.16
13	19	0.05	-0.52	-12567.4	-15.01
	22	0.04	1.10	-3480.6	-1.67
14	19	0.04	-0.40	-7026.0	-3.63
	22	0.04	2.17	-11620.6	18.51
15	19	0.04	-0.63	-6893.0	-11.35
	22	0.04	0.88	4865.7	-11.67
16	19	0.04	-0.51	-1351.6	0.02
	22	0.04	1.94	-3274.3	8.50
17	19	0.04	-0.45	-12452.5	-17.84
	22	0.04	1.11	645.4	-8.34
18	19	0.04	-0.33	-6911.1	-6.47
	22	0.04	2.18	-7494.6	11.84
19	19	0.05	-0.37	-17834.8	-23.46
	22	0.04	0.97	-2447.9	-7.80
20	19	0.05	-0.17	-8599.2	-4.51
	22	0.04	2.75	-16014.5	25.82
21	19	0.05	-0.54	-14208.4	-19.22
	22	0.04	0.75	297.1	-9.99
22	19	0.04	-0.35	-4972.8	-0.27
	22	0.04	2.53	-13269.5	23.63
23	19	0.04	-0.61	-10803.7	-17.03
	22	0.04	0.62	5304.9	-16.00
24	19	0.04	-0.41	-1568.1	1.92
	22	0.04	2.40	-8261.7	17.63
25	19	0.04	-0.50	-14139.4	-20.92
	22	0.04	0.76	2772.8	-14.00
26	19	0.04	-0.30	-4903.8	-1.97
	22	0.04	2.54	-10793.9	19.63
27	19	0.03	0.27	-7972.2	-9.54
	22	0.03	1.16	-528.1	-3.79
28	19	0.03	0.15	-4932.3	-2.03
	22	0.03	1.30	-3606.7	3.34
29	19	0.03	0.19	-13927.2	-21.67
	22	0.03	1.17	-175.2	-7.46
30	19	0.03	-0.18	-10925.0	-12.04
	22	0.03	1.53	-8082.5	8.41
31	19	0.03	-0.33	-14853.4	-19.17
	22	0.03	1.63	-9782.0	9.50
32	19	0.03	-0.45	-11813.5	-11.66
	22	0.03	1.76	-12860.7	16.63
33	19	0.03	-0.20	-3794.1	3.36
	22	0.03	1.61	-10437.4	16.32
34	19	0.03	-0.38	-5858.5	0.47
	22	0.03	1.75	-13213.6	20.30
35	19	0.03	-0.22	-8136.9	-8.93
	22	0.03	1.30	-4826.3	4.46
36	19	0.03	-0.25	-9004.6	-9.65
	22	0.03	1.28	-5852.6	5.56
37	19	0.03	-0.37	-6587.0	-6.83

	22	0.03	1.13	-4022.6	4.10
38	19	0.03	-0.41	-4317.3	-5.37
	22	0.03	1.04	-684.1	0.10
39	19	0.03	-0.34	-6541.1	-7.96
	22	0.03	1.14	-2372.2	1.43
40	19	0.03	-0.39	-8228.0	-11.04
	22	0.03	0.79	-244.8	-4.22
41	19	0.03	-0.31	-4533.8	-3.46
	22	0.03	1.50	-5671.5	9.23
42	19	0.03	-0.09	-9892.9	-10.60
	22	0.03	1.46	-6694.4	6.42
43	19	0.03	0.27	-8055.2	-9.58
	22	0.03	1.16	-545.7	-3.96
44	19	0.03	0.15	-4880.6	-1.74
	22	0.03	1.29	-3764.1	3.50
45	19	0.03	0.20	-14156.4	-22.20
	22	0.03	1.17	31.4	-8.01
46	19	0.03	0.02	-16211.4	-25.16
	22	0.03	1.31	-2692.3	-4.02
47	19	0.03	-0.34	-14905.1	-19.46
	22	0.03	1.63	-9624.7	9.34
48	19	0.03	-0.46	-11730.5	-11.62
	22	0.03	1.77	-12843.1	16.80
49	19	0.03	-0.20	-3574.3	3.96
	22	0.03	1.62	-10696.5	16.86
50	19	0.03	-0.38	-5629.3	1.00
	22	0.03	1.76	-13420.2	20.85
51	19	0.03	-0.05	-4894.5	-6.44
	22	0.03	0.89	2050.6	-5.94
52	19	0.03	-0.15	-2344.2	-0.12
	22	0.03	1.00	-544.1	0.07
53	19	0.03	-0.11	-9803.0	-16.58
	22	0.03	0.90	2479.8	-9.15
54	19	0.03	-0.26	-11459.9	-18.97
	22	0.03	1.02	253.0	-5.89
55	19	0.03	-0.55	-10417.6	-14.38
	22	0.03	1.28	-5372.2	4.93
56	19	0.03	-0.65	-7867.3	-8.07
	22	0.03	1.39	-7966.9	10.94
57	19	0.03	-0.44	-1301.9	4.46
	22	0.03	1.27	-6169.3	10.89
58	19	0.03	-0.59	-2958.8	2.08
	22	0.03	1.38	-8396.1	14.15
1	22	0.04	1.99	-3884.1	-1.84
	25	0.05	-1.33	-14994.0	4.15
2	22	0.04	3.90	-9181.9	-7.48
	25	0.05	-2.67	-16947.3	1.29
3	22	0.04	7.42	-21783.0	-30.00
	25	0.06	-7.27	-11006.4	-42.78
4	22	0.04	6.36	-18146.9	-25.45
	25	0.06	-6.41	-10138.7	-39.37
5	22	0.04	5.81	-14629.3	-22.80
	25	0.06	-5.98	-6862.1	-42.24
6	22	0.04	6.60	-17984.2	-26.95
	25	0.06	-6.66	-7870.6	-44.84
7	22	0.04	2.26	-4590.4	6.97
	25	0.05	0.44	-27477.3	44.65
8	22	0.04	1.19	-954.4	11.51

	25	0.05	1.30	-26609.6	48.06
9	22	0.04	0.65	2563.2	14.16
	25	0.04	1.74	-23333.0	45.19
10	22	0.04	1.43	-791.7	10.01
	25	0.05	1.06	-24341.5	42.59
11	22	0.04	7.10	-21803.9	-29.87
	25	0.06	-7.09	-11559.5	-41.58
12	22	0.04	1.93	-4611.3	7.10
	25	0.05	0.62	-28030.4	45.85
13	22	0.04	5.31	-15743.8	-22.29
	25	0.06	-5.66	-10113.3	-35.90
14	22	0.04	0.15	1448.7	14.67
	25	0.04	2.06	-26584.2	51.53
15	22	0.04	4.41	-9881.2	-17.87
	25	0.06	-4.94	-4652.3	-40.69
16	22	0.04	-0.75	7311.4	19.09
	25	0.04	2.78	-21123.2	46.74
17	22	0.04	5.72	-15472.7	-24.79
	25	0.06	-6.07	-6333.1	-45.02
18	22	0.04	0.55	1719.9	12.17
	25	0.04	1.65	-22804.0	42.41
19	22	0.04	8.19	-24864.9	-39.50
	25	0.07	-9.17	-4539.5	-70.49
20	22	0.04	-0.42	3789.4	22.11
	25	0.04	3.69	-31991.0	75.22
21	22	0.04	7.12	-21228.9	-34.96
	25	0.07	-8.31	-3671.7	-67.08
22	22	0.04	-1.49	7425.4	26.65
	25	0.04	4.55	-31123.2	78.63
23	22	0.04	6.58	-17711.3	-32.30
	25	0.07	-7.88	-395.2	-69.95
24	22	0.04	-2.03	10943.0	29.31
	25	0.04	4.98	-27846.7	75.76
25	22	0.04	7.37	-21066.2	-36.46
	25	0.07	-8.55	-1403.6	-72.55
26	22	0.04	-1.24	7588.1	25.15
	25	0.04	4.30	-28855.1	73.16
27	22	0.03	2.99	-5589.9	-5.03
	25	0.04	-1.94	-7932.3	-12.25
28	22	0.03	2.21	-2357.3	2.34
	25	0.04	-0.93	-9677.4	-1.31
29	22	0.03	4.31	-11975.4	-17.25
	25	0.04	-3.63	-8692.9	-19.54
30	22	0.03	3.34	-8828.4	-8.08
	25	0.04	-2.39	-13998.3	3.38
31	22	0.03	4.14	-13058.8	-15.40
	25	0.04	-3.41	-15922.2	3.38
32	22	0.03	3.35	-9826.2	-8.03
	25	0.04	-2.40	-17667.3	14.32
33	22	0.03	1.69	-1200.0	7.31
	25	0.03	-0.27	-14509.8	16.92
34	22	0.03	2.03	-3440.7	4.19
	25	0.04	-0.71	-16906.8	21.61
35	22	0.03	2.54	-5942.1	-4.65
	25	0.04	-1.72	-12148.7	1.99
36	22	0.03	2.52	-6846.0	-5.46
	25	0.04	-1.77	-13027.4	2.70
37	22	0.03	1.81	-4422.0	-2.43
	25	0.04	-1.19	-12448.9	4.98

38	22	0.03	1.45	-2076.9	-0.66
	25	0.04	-0.91	-10264.5	3.06
39	22	0.03	1.97	-4313.5	-3.43
	25	0.04	-1.36	-10936.8	1.33
40	22	0.03	3.62	-9907.0	-15.09
	25	0.04	-3.85	-6007.4	-26.20
41	22	0.03	0.18	1554.7	9.55
	25	0.03	1.30	-16988.0	32.08
42	22	0.03	3.17	-7708.0	-6.53
	25	0.04	-2.17	-12799.8	1.04
43	22	0.03	3.01	-5775.8	-5.15
	25	0.04	-1.97	-8097.1	-12.67
44	22	0.03	2.19	-2408.2	2.54
	25	0.04	-0.92	-9916.2	-1.23
45	22	0.03	4.37	-12235.9	-17.78
	25	0.04	-3.71	-8630.1	-20.42
46	22	0.03	4.71	-14405.5	-20.92
	25	0.04	-4.14	-10906.0	-15.63
47	22	0.03	4.15	-13007.9	-15.60
	25	0.04	-3.43	-15683.4	3.30
48	22	0.03	3.33	-9640.3	-7.91
	25	0.04	-2.38	-17502.5	14.74
49	22	0.03	1.63	-1010.6	7.86
	25	0.03	-0.20	-14693.6	17.70
50	22	0.03	1.97	-3180.2	4.72
	25	0.04	-0.64	-16969.5	22.49
51	22	0.03	1.77	-2601.0	-1.64
	25	0.04	-1.10	-7668.2	-8.17
52	22	0.03	1.11	110.4	4.56
	25	0.03	-0.26	-9134.5	1.04
53	22	0.03	2.86	-7816.0	-11.82
	25	0.04	-2.51	-8124.9	-14.36
54	22	0.03	3.14	-9574.5	-14.36
	25	0.04	-2.86	-9982.7	-10.46
55	22	0.03	2.69	-8462.8	-10.10
	25	0.04	-2.29	-13860.8	4.84
56	22	0.03	2.03	-5751.3	-3.90
	25	0.04	-1.44	-15327.1	14.05
57	22	0.03	0.66	1222.2	8.82
	25	0.03	0.32	-13012.6	16.34
58	22	0.03	0.93	-536.3	6.29
	25	0.03	-0.04	-14870.4	20.24
1	2	0.04	-2.41	-25127.3	4.17
	9	0.05	2.22	-58598.5	39.47
2	2	0.04	-2.26	-25318.3	6.65
	9	0.06	2.04	-69238.1	50.56
3	2	0.04	4.91	-19092.0	22.38
	9	0.06	-6.43	-77624.4	58.36
4	2	0.05	4.93	-19385.5	23.04
	9	0.06	-6.43	-78854.1	59.67
5	2	0.04	3.37	-19750.8	20.61
	9	0.06	-4.69	-73994.1	54.75
6	2	0.04	3.56	-19530.9	19.81
	9	0.06	-4.91	-73049.7	53.89
7	2	0.04	-7.81	-30821.9	-7.08
	9	0.06	8.67	-65018.2	46.91
8	2	0.04	-7.80	-31115.3	-6.42
	9	0.06	8.68	-66248.0	48.22

9	2	0.04	-9.35	-31480.6	-8.85
	9	0.06	10.42	-61387.9	43.30
10	2	0.04	-9.16	-31260.8	-9.65
	9	0.06	10.19	-60443.5	42.44
11	2	0.04	5.38	-18755.6	21.80
	9	0.06	-6.96	-73693.3	54.19
12	2	0.04	-7.34	-30485.5	-7.66
	9	0.06	8.14	-61087.2	42.74
13	2	0.05	5.40	-19244.8	22.90
	9	0.06	-6.96	-75742.9	56.37
14	2	0.04	-7.32	-30974.6	-6.56
	9	0.06	8.15	-63136.8	44.92
15	2	0.04	2.81	-19853.6	18.85
	9	0.05	-4.05	-67642.9	48.18
16	2	0.04	-9.91	-31583.5	-10.61
	9	0.05	11.05	-55036.7	36.73
17	2	0.04	3.13	-19487.2	17.52
	9	0.05	-4.43	-66068.9	46.75
18	2	0.04	-9.59	-31217.1	-11.94
	9	0.05	10.68	-53462.7	35.30
19	2	0.04	9.08	-15086.6	30.96
	9	0.06	-11.38	-76506.6	56.63
20	2	0.04	-12.13	-34636.4	-18.14
	9	0.06	13.79	-55496.3	37.54
21	2	0.05	9.09	-15380.0	31.62
	9	0.06	-11.38	-77736.4	57.94
22	2	0.04	-12.11	-34929.8	-17.48
	9	0.06	13.80	-56726.1	38.85
23	2	0.04	7.54	-15745.3	29.18
	9	0.05	-9.64	-72876.3	53.02
24	2	0.04	-13.67	-35295.1	-19.91
	9	0.05	15.54	-51866.1	33.93
25	2	0.04	7.73	-15525.5	28.39
	9	0.05	-9.86	-71931.9	52.16
26	2	0.04	-13.47	-35075.3	-20.71
	9	0.05	15.32	-50921.7	33.08
27	2	0.03	-12.34	-19814.6	-1.93
	9	0.04	13.38	-45575.3	33.14
28	2	0.03	-16.15	-17859.8	3.39
	9	0.04	17.50	-49174.5	37.04
29	2	0.03	1.00	-20804.4	-4.97
	9	0.04	-1.28	-43294.3	30.58
30	2	0.03	2.27	-16439.8	6.61
	9	0.04	-2.85	-50936.9	38.76
31	2	0.03	13.07	-16126.3	7.12
	9	0.04	-14.76	-51055.3	38.80
32	2	0.03	9.26	-14171.5	12.44
	9	0.04	-10.63	-54654.5	42.69
33	2	0.03	-11.70	-14288.2	12.77
	9	0.04	12.47	-55291.6	43.56
34	2	0.03	-4.08	-13181.7	15.48
	9	0.04	4.03	-56935.6	45.25
35	2	0.03	-1.59	-16929.4	4.43
	9	0.04	1.43	-46568.4	34.22
36	2	0.03	-1.10	-16624.9	4.27
	9	0.04	0.87	-44410.6	31.90
37	2	0.03	-1.09	-16820.5	4.71
	9	0.04	0.88	-45230.4	32.77
38	2	0.03	-2.12	-17064.1	3.08

	9	0.04	2.04	-41990.4	29.49
39	2	0.03	-1.99	-16917.5	2.55
	9	0.04	1.89	-41360.8	28.92
40	2	0.03	2.60	-12955.8	13.42
	9	0.04	-3.55	-47223.9	34.34
41	2	0.03	-5.88	-20775.7	-6.22
	9	0.04	6.52	-38819.8	26.70
42	2	0.03	-1.54	-16993.1	5.26
	9	0.04	1.37	-50114.9	37.92
43	2	0.03	-12.74	-19901.0	-2.16
	9	0.04	13.82	-45421.9	32.98
44	2	0.03	-16.75	-17863.8	3.39
	9	0.04	18.16	-49178.8	37.05
45	2	0.03	1.19	-20955.1	-5.38
	9	0.04	-1.48	-43009.1	30.27
46	2	0.03	9.11	-19821.5	-2.60
	9	0.04	-10.25	-44697.8	32.01
47	2	0.03	13.68	-16122.3	7.12
	9	0.04	-15.42	-51051.1	38.79
48	2	0.03	9.66	-14085.1	12.67
	9	0.04	-11.07	-54808.0	42.85
49	2	0.03	-12.19	-14164.6	13.12
	9	0.04	13.00	-55532.0	43.82
50	2	0.03	-4.27	-13031.0	15.90
	9	0.04	4.23	-57220.8	45.56
51	2	0.03	-10.73	-19238.2	-2.44
	9	0.04	11.60	-39203.2	26.51
52	2	0.03	-13.94	-17592.5	2.04
	9	0.04	15.07	-42233.5	29.78
53	2	0.03	0.50	-20073.4	-5.00
	9	0.04	-0.74	-37280.2	24.34
54	2	0.03	6.92	-19143.6	-2.72
	9	0.04	-7.85	-38662.2	25.77
55	2	0.03	10.67	-16139.0	5.16
	9	0.04	-12.09	-43810.1	31.25
56	2	0.03	7.46	-14493.4	9.64
	9	0.04	-8.62	-46840.5	34.53
57	2	0.03	-10.19	-14587.9	9.93
	9	0.04	10.83	-47381.4	35.27
58	2	0.03	-3.77	-13658.2	12.21
	9	0.04	3.72	-48763.5	36.69
1	9	0.05	-3.51	-27753.7	-38.26
	14	0.05	3.79	-4054.8	-4.92
2	9	0.06	-4.03	-39619.8	-48.97
	14	0.05	4.32	-12104.1	-1.84
3	9	0.06	-12.70	-40394.5	-48.73
	14	0.05	11.43	-14720.6	2.30
4	9	0.06	-12.88	-39910.0	-49.40
	14	0.05	11.64	-11190.7	0.84
5	9	0.06	-11.37	-35846.4	-46.03
	14	0.05	10.37	-7687.4	-1.88
6	9	0.06	-11.40	-36430.8	-45.84
	14	0.05	10.34	-10246.0	-1.07
7	9	0.06	3.23	-44071.2	-52.32
	14	0.06	-1.68	-17539.6	-1.21
8	9	0.06	3.06	-43586.7	-52.99
	14	0.05	-1.46	-14009.7	-2.66
9	9	0.06	4.57	-39523.0	-49.63

	14	0.05	-2.73	-10506.4	-5.38
10	9	0.06	4.54	-40107.5	-49.43
	14	0.06	-2.76	-13065.0	-4.58
11	9	0.06	-12.91	-36203.5	-44.40
	14	0.05	11.53	-13380.0	2.35
12	9	0.06	3.02	-39880.1	-47.99
	14	0.06	-1.58	-16199.0	-1.16
13	9	0.06	-13.20	-35396.0	-45.53
	14	0.05	11.89	-7496.8	-0.08
14	9	0.06	2.74	-39072.6	-49.12
	14	0.05	-1.21	-10315.8	-3.58
15	9	0.05	-10.68	-28623.2	-39.92
	14	0.05	9.77	-1658.1	-4.61
16	9	0.05	5.25	-32299.9	-43.51
	14	0.05	-3.33	-4477.1	-8.12
17	9	0.05	-10.73	-29597.3	-39.59
	14	0.05	9.72	-5922.3	-3.27
18	9	0.05	5.20	-33273.9	-43.18
	14	0.05	-3.38	-8741.3	-6.78
19	9	0.06	-17.75	-33235.9	-42.17
	14	0.05	15.53	-9756.3	1.93
20	9	0.06	8.80	-39363.6	-48.16
	14	0.06	-6.31	-14454.6	-3.92
21	9	0.06	-17.92	-32751.4	-42.85
	14	0.05	15.75	-6226.4	0.47
22	9	0.06	8.63	-38879.2	-48.83
	14	0.05	-6.09	-10924.7	-5.37
23	9	0.05	-16.42	-28687.8	-39.48
	14	0.05	14.47	-2723.2	-2.25
24	9	0.05	10.14	-34815.5	-45.47
	14	0.05	-7.37	-7421.5	-8.09
25	9	0.05	-16.44	-29272.2	-39.29
	14	0.05	14.44	-5281.7	-1.45
26	9	0.05	10.11	-35399.9	-45.27
	14	0.05	-7.40	-9980.0	-7.29
27	9	0.04	6.32	-30352.5	-36.17
	14	0.04	-4.48	-10506.0	-0.11
28	9	0.04	9.48	-28842.6	-33.41
	14	0.04	-7.22	-12426.5	5.93
29	9	0.04	-4.87	-32892.3	-40.77
	14	0.04	4.90	-7445.8	-9.65
30	9	0.04	-6.01	-31042.9	-37.36
	14	0.04	5.63	-9944.0	-1.72
31	9	0.04	-15.09	-32576.2	-40.13
	14	0.04	13.19	-8164.1	-7.23
32	9	0.04	-11.92	-31066.3	-37.37
	14	0.04	10.45	-10084.6	-1.19
33	9	0.04	5.68	-27859.4	-31.58
	14	0.04	-4.23	-13847.4	10.48
34	9	0.04	-0.74	-28526.5	-32.77
	14	0.04	1.07	-13144.8	8.34
35	9	0.04	-2.63	-26754.0	-33.20
	14	0.04	2.81	-7612.2	-1.68
36	9	0.04	-2.92	-24540.7	-30.66
	14	0.04	3.00	-7613.2	-1.12
37	9	0.04	-3.04	-24217.7	-31.11
	14	0.04	3.14	-5259.9	-2.09
38	9	0.04	-2.03	-21508.6	-28.87
	14	0.03	2.29	-2924.4	-3.90

39	9	0.04	-2.05	-21898.2	-28.74
	14	0.04	2.27	-4630.1	-3.37
40	9	0.04	-7.77	-21573.1	-28.43
	14	0.03	7.00	-3989.5	-1.54
41	9	0.04	2.86	-24024.2	-30.83
	14	0.04	-1.74	-5868.8	-3.88
42	9	0.04	-2.80	-30709.4	-36.77
	14	0.04	2.98	-10295.3	-0.65
43	9	0.04	6.66	-30328.3	-36.13
	14	0.04	-4.76	-10522.7	-0.08
44	9	0.04	9.98	-28741.0	-33.23
	14	0.04	-7.63	-12535.7	6.24
45	9	0.04	-5.00	-33002.6	-40.98
	14	0.04	5.02	-7310.5	-10.08
46	9	0.04	-11.67	-33707.4	-42.23
	14	0.04	10.52	-6570.1	-12.32
47	9	0.04	-15.58	-32677.8	-40.31
	14	0.04	13.60	-8054.9	-7.55
48	9	0.04	-12.27	-31090.4	-37.41
	14	0.04	10.73	-10067.9	-1.22
49	9	0.04	6.06	-27711.4	-31.31
	14	0.04	-4.56	-14020.5	11.01
50	9	0.04	-0.61	-28416.2	-32.57
	14	0.04	0.95	-13280.2	8.77
51	9	0.04	5.23	-22498.3	-29.13
	14	0.04	-3.66	-5107.4	-2.25
52	9	0.04	7.89	-21224.8	-26.80
	14	0.04	-5.96	-6725.1	2.84
53	9	0.04	-4.17	-24640.1	-33.01
	14	0.04	4.22	-2529.1	-10.29
54	9	0.04	-9.58	-25202.3	-34.01
	14	0.04	8.69	-1936.9	-12.09
55	9	0.04	-12.79	-24372.5	-32.46
	14	0.04	11.22	-3133.2	-8.25
56	9	0.04	-10.14	-23098.9	-30.14
	14	0.03	8.92	-4750.9	-3.17
57	9	0.04	4.67	-20394.9	-25.25
	14	0.03	-3.43	-7921.4	6.67
58	9	0.04	-0.73	-20957.2	-26.25
	14	0.03	1.04	-7329.2	4.87
1	3	0.04	-3.97	-26960.2	-0.62
	10	0.05	4.32	-51270.2	31.71
2	3	0.04	-4.66	-28651.6	-0.48
	10	0.05	5.09	-60202.9	40.38
3	3	0.04	-3.55	-24525.3	6.39
	10	0.05	3.76	-62516.5	45.61
4	3	0.04	-3.92	-24012.5	8.76
	10	0.05	4.19	-69750.4	54.51
5	3	0.04	-4.48	-23910.2	7.15
	10	0.05	4.79	-63681.3	47.79
6	3	0.04	-4.14	-24381.7	4.94
	10	0.05	4.39	-57912.9	40.74
7	3	0.04	-4.77	-33482.8	-8.22
	10	0.06	5.32	-56570.4	32.67
8	3	0.04	-5.14	-32970.0	-5.86
	10	0.06	5.75	-63804.3	41.57
9	3	0.04	-5.70	-32867.7	-7.47
	10	0.06	6.34	-57735.2	34.85

10	3	0.04	-5.36	-33339.2	-9.67
	10	0.05	5.94	-51966.8	27.79
11	3	0.04	-2.87	-23914.6	6.04
	10	0.05	3.00	-57610.6	40.45
12	3	0.04	-4.09	-32872.1	-8.57
	10	0.05	4.56	-51664.5	27.51
13	3	0.04	-3.48	-23059.8	9.98
	10	0.05	3.72	-69667.0	55.29
14	3	0.04	-4.70	-32017.3	-4.63
	10	0.06	5.28	-63720.9	42.34
15	3	0.04	-4.42	-22889.4	7.30
	10	0.05	4.72	-59552.0	44.09
16	3	0.04	-5.64	-31846.9	-7.31
	10	0.05	6.27	-53605.9	31.14
17	3	0.04	-3.85	-23675.2	3.62
	10	0.05	4.05	-49937.9	32.33
18	3	0.04	-5.07	-32632.7	-10.99
	10	0.05	5.61	-43991.8	19.38
19	3	0.04	-2.80	-20693.8	11.20
	10	0.05	2.86	-60032.2	45.59
20	3	0.04	-4.83	-35622.9	-13.16
	10	0.05	5.45	-50122.1	24.02
21	3	0.04	-3.17	-20180.9	13.56
	10	0.05	3.29	-67266.0	54.50
22	3	0.04	-5.19	-35110.1	-10.80
	10	0.06	5.88	-57355.9	32.92
23	3	0.04	-3.73	-20078.7	11.95
	10	0.05	3.88	-61197.0	47.77
24	3	0.04	-5.76	-35007.8	-12.40
	10	0.05	6.48	-51286.9	26.20
25	3	0.04	-3.39	-20550.2	9.75
	10	0.05	3.48	-55428.6	40.72
26	3	0.04	-5.41	-35479.3	-14.61
	10	0.05	6.08	-45518.5	19.14
27	3	0.03	-7.44	-21405.3	0.26
	10	0.04	8.23	-44281.6	31.56
28	3	0.03	-8.85	-19656.9	3.66
	10	0.04	9.77	-48741.9	38.24
29	3	0.03	-2.33	-22675.9	-5.10
	10	0.04	2.57	-37318.2	21.12
30	3	0.03	-1.69	-19102.4	-0.61
	10	0.04	1.82	-43243.6	30.01
31	3	0.03	2.49	-19207.3	-3.70
	10	0.04	-2.81	-39253.6	24.03
32	3	0.03	1.09	-17458.9	-0.29
	10	0.04	-1.27	-43713.9	30.71
33	3	0.03	-7.01	-16847.8	6.24
	10	0.04	7.70	-52185.8	43.41
34	3	0.03	-4.03	-16188.4	5.06
	10	0.04	4.39	-50677.4	41.15
35	3	0.03	-2.95	-18868.3	-0.06
	10	0.04	3.22	-41020.2	28.25
36	3	0.03	-2.38	-18539.5	-0.39
	10	0.04	2.59	-37603.1	24.53
37	3	0.03	-2.62	-18197.6	1.18
	10	0.04	2.88	-42425.6	30.46
38	3	0.03	-3.00	-18129.4	0.11
	10	0.04	3.28	-38379.6	25.98
39	3	0.03	-2.77	-18443.7	-1.36

	10	0.04	3.01	-34534.0	21.28
40	3	0.03	-2.31	-15318.7	4.77
	10	0.04	2.44	-40024.7	29.67
41	3	0.03	-3.12	-21290.3	-4.98
	10	0.04	3.48	-36060.6	21.04
42	3	0.03	-3.18	-19432.1	-0.02
	10	0.04	3.48	-43997.8	31.13
43	3	0.03	-7.61	-21477.4	0.27
	10	0.04	8.41	-44314.3	31.59
44	3	0.03	-9.07	-19656.3	3.81
	10	0.04	10.01	-48953.0	38.54
45	3	0.03	-2.29	-22807.6	-5.31
	10	0.04	2.52	-37057.4	20.73
46	3	0.03	0.80	-22126.8	-6.54
	10	0.04	-0.92	-35475.9	18.37
47	3	0.03	2.71	-19207.9	-3.85
	10	0.04	-3.06	-39042.5	23.73
48	3	0.03	1.25	-17386.8	-0.30
	10	0.04	-1.45	-43681.2	30.68
49	3	0.03	-7.16	-16737.4	6.50
	10	0.04	7.87	-52519.7	43.90
50	3	0.03	-4.07	-16056.6	5.27
	10	0.04	4.43	-50938.1	41.54
51	3	0.03	-6.31	-19961.4	0.13
	10	0.04	6.97	-38291.6	25.72
52	3	0.03	-7.48	-18494.0	2.98
	10	0.04	8.25	-42024.3	31.32
53	3	0.03	-2.02	-21027.2	-4.36
	10	0.04	2.21	-32456.0	16.98
54	3	0.03	0.49	-20473.2	-5.36
	10	0.04	-0.57	-31186.9	15.08
55	3	0.03	2.05	-18115.0	-3.20
	10	0.04	-2.33	-34061.0	19.39
56	3	0.03	0.88	-16647.6	-0.34
	10	0.04	-1.04	-37793.8	24.99
57	3	0.03	-5.92	-16135.8	5.15
	10	0.04	6.50	-44898.5	35.63
58	3	0.03	-3.41	-15581.8	4.15
	10	0.04	3.71	-43629.3	33.73
1	10	0.05	-4.34	-33700.9	-29.67
	15	0.06	5.65	-33834.1	14.60
2	10	0.05	-4.97	-44514.8	-38.20
	15	0.07	6.52	-44937.1	22.17
3	10	0.05	-6.56	-35188.5	-22.26
	15	0.07	7.87	-50459.1	34.07
4	10	0.05	-6.53	-39003.2	-25.67
	15	0.06	7.96	-51163.7	35.90
5	10	0.05	-6.19	-34911.5	-23.17
	15	0.06	7.68	-45953.3	29.81
6	10	0.05	-6.29	-32331.8	-21.06
	15	0.06	7.68	-45418.6	28.00
7	10	0.06	-3.76	-54166.6	-53.09
	15	0.07	5.36	-44628.3	15.21
8	10	0.06	-3.73	-57981.3	-56.50
	15	0.07	5.45	-45333.0	17.04
9	10	0.06	-3.39	-53889.5	-54.01
	15	0.07	5.17	-40122.5	10.95
10	10	0.05	-3.49	-51309.9	-51.89

	15	0.07	5.17	-39587.8	9.14
11	10	0.05	-6.37	-29890.0	-17.64
	15	0.06	7.49	-46645.4	31.93
12	10	0.05	-3.57	-48868.1	-48.47
	15	0.07	4.99	-40814.6	13.07
13	10	0.05	-6.32	-36247.9	-23.32
	15	0.06	7.65	-47819.8	34.98
14	10	0.06	-3.52	-55226.0	-54.15
	15	0.06	5.14	-41989.0	16.12
15	10	0.05	-5.76	-29428.3	-19.16
	15	0.06	7.18	-39135.7	24.82
16	10	0.05	-2.96	-48406.3	-49.99
	15	0.06	4.68	-33305.0	5.96
17	10	0.05	-5.93	-25128.8	-15.64
	15	0.06	7.18	-38244.6	21.81
18	10	0.05	-3.12	-44106.9	-46.47
	15	0.06	4.68	-32413.8	2.95
19	10	0.05	-7.18	-23455.5	-7.71
	15	0.06	8.27	-46851.2	36.57
20	10	0.05	-2.51	-55085.6	-59.10
	15	0.07	4.09	-37133.3	5.14
21	10	0.05	-7.15	-27270.2	-11.12
	15	0.06	8.36	-47555.8	38.40
22	10	0.06	-2.48	-58900.4	-62.51
	15	0.06	4.18	-37837.9	6.97
23	10	0.05	-6.81	-23178.4	-8.63
	15	0.06	8.08	-42345.4	32.30
24	10	0.05	-2.14	-54808.6	-60.02
	15	0.06	3.90	-32627.5	0.87
25	10	0.05	-6.91	-20598.8	-6.52
	15	0.06	8.08	-41810.7	30.49
26	10	0.05	-2.24	-52228.9	-57.90
	15	0.06	3.90	-32092.8	-0.93
27	10	0.04	-0.25	-38047.8	-36.74
	15	0.05	2.04	-32720.6	16.28
28	10	0.04	1.17	-34593.7	-30.19
	15	0.05	0.75	-36456.4	27.36
29	10	0.04	-4.58	-40379.1	-41.63
	15	0.05	5.67	-26596.9	-1.05
30	10	0.04	-4.52	-33166.5	-28.36
	15	0.05	5.35	-31310.2	13.64
31	10	0.04	-7.91	-33195.0	-28.89
	15	0.05	8.12	-27677.1	3.70
32	10	0.04	-6.49	-29741.0	-22.34
	15	0.04	6.83	-31412.9	14.77
33	10	0.04	0.14	-28865.5	-19.80
	15	0.04	1.37	-39049.6	35.88
34	10	0.04	-2.16	-27409.7	-17.45
	15	0.04	3.20	-37536.5	32.10
35	10	0.04	-3.16	-30289.7	-26.69
	15	0.04	4.15	-28365.8	13.00
36	10	0.04	-3.07	-26793.5	-23.49
	15	0.04	3.92	-26402.6	12.12
37	10	0.04	-3.06	-29336.7	-25.77
	15	0.04	3.98	-26872.3	13.34
38	10	0.04	-2.83	-26608.9	-24.11
	15	0.04	3.79	-23398.7	9.28
39	10	0.04	-2.90	-24889.1	-22.70
	15	0.04	3.79	-23042.2	8.07

40	10	0.04	-3.88	-20359.0	-13.57
	15	0.04	4.69	-26608.4	16.76
41	10	0.04	-2.01	-33011.1	-34.13
	15	0.04	3.02	-22721.2	4.19
42	10	0.04	-3.37	-33894.4	-29.54
	15	0.05	4.44	-32066.7	15.53
43	10	0.04	-0.13	-38176.1	-37.00
	15	0.05	1.95	-32775.1	16.33
44	10	0.04	1.37	-34594.3	-30.19
	15	0.05	0.58	-36683.4	27.86
45	10	0.04	-4.67	-40611.4	-42.10
	15	0.05	5.76	-26351.6	-1.73
46	10	0.04	-7.06	-39116.9	-39.67
	15	0.05	7.66	-24754.1	-5.67
47	10	0.04	-8.11	-33194.5	-28.89
	15	0.05	8.29	-27450.0	3.19
48	10	0.04	-6.61	-29612.6	-22.08
	15	0.04	6.92	-31358.3	14.72
49	10	0.04	0.32	-28671.9	-19.41
	15	0.04	1.21	-39379.3	36.72
50	10	0.04	-2.07	-27177.4	-16.98
	15	0.04	3.11	-37781.8	32.78
51	10	0.04	-0.32	-30166.9	-29.88
	15	0.04	1.84	-25218.4	11.12
52	10	0.04	0.88	-27276.8	-24.40
	15	0.04	0.75	-28357.1	20.41
53	10	0.04	-3.97	-32112.9	-33.98
	15	0.05	4.90	-20070.6	-3.41
54	10	0.04	-5.91	-30890.9	-32.00
	15	0.04	6.44	-18796.8	-6.59
55	10	0.04	-6.77	-26093.4	-23.30
	15	0.04	6.96	-20972.5	0.54
56	10	0.04	-5.58	-23203.3	-17.81
	15	0.04	5.87	-24111.1	9.83
57	10	0.04	0.01	-22479.3	-15.69
	15	0.04	1.27	-30532.8	27.54
58	10	0.04	-1.93	-21257.2	-13.72
	15	0.04	2.81	-29259.0	24.36
1	15	0.06	-0.61	206.4	-3.82
	21	0.07	0.83	-3725.2	4.06
2	15	0.07	-0.81	-5996.0	-9.68
	21	0.08	1.08	-12164.7	12.50
3	15	0.07	-0.91	-5618.7	-8.09
	21	0.08	1.18	-13557.6	12.99
4	15	0.06	-0.79	-3615.3	-5.04
	21	0.08	1.06	-10908.9	10.98
5	15	0.06	-1.38	-2874.1	-5.08
	21	0.08	1.70	-10570.7	10.23
6	15	0.06	-1.28	-4631.8	-7.97
	21	0.08	1.59	-11780.4	10.71
7	15	0.07	-0.20	-9551.6	-14.72
	21	0.08	0.41	-14359.3	15.36
8	15	0.07	-0.09	-7548.2	-11.67
	21	0.08	0.30	-11710.6	13.35
9	15	0.07	-0.67	-6806.9	-11.71
	21	0.08	0.94	-11372.4	12.60
10	15	0.07	-0.58	-8564.7	-14.60
	21	0.08	0.82	-12582.1	13.08

11	15	0.06	-0.64	-3577.0	-6.31
	21	0.08	0.87	-10533.7	9.88
12	15	0.07	0.07	-7509.8	-12.94
	21	0.08	0.10	-11335.5	12.25
13	15	0.06	-0.45	-238.0	-1.23
	21	0.07	0.68	-6119.2	6.54
14	15	0.06	0.26	-4170.8	-7.86
	21	0.07	-0.09	-6920.9	8.90
15	15	0.06	-1.42	997.4	-1.30
	21	0.07	1.74	-5555.5	5.29
16	15	0.06	-0.71	-2935.4	-7.93
	21	0.07	0.97	-6357.2	7.65
17	15	0.06	-1.26	-1932.2	-6.12
	21	0.08	1.55	-7571.7	6.09
18	15	0.06	-0.55	-5865.1	-12.75
	21	0.07	0.78	-8373.4	8.45
19	15	0.06	-1.04	-1206.6	-2.95
	21	0.08	1.31	-9070.6	7.98
20	15	0.07	0.13	-7761.3	-14.00
	21	0.07	0.04	-10406.8	11.92
21	15	0.06	-0.93	796.8	0.10
	21	0.07	1.19	-6421.9	5.97
22	15	0.06	0.25	-5757.9	-10.96
	21	0.07	-0.08	-7758.1	9.91
23	15	0.06	-1.51	1538.1	0.05
	21	0.07	1.83	-6083.7	5.22
24	15	0.06	-0.34	-5016.7	-11.00
	21	0.07	0.56	-7419.9	9.16
25	15	0.06	-1.42	-219.7	-2.84
	21	0.08	1.72	-7293.4	5.70
26	15	0.06	-0.24	-6774.5	-13.89
	21	0.07	0.45	-8629.6	9.64
27	15	0.05	-1.41	-9638.3	-15.19
	21	0.06	1.69	-14448.2	14.12
28	15	0.05	-1.59	-6062.3	-8.26
	21	0.06	1.90	-15811.6	17.91
29	15	0.05	-0.51	-11899.4	-20.28
	21	0.06	0.70	-8845.7	5.20
30	15	0.05	-0.24	-4301.5	-6.19
	21	0.05	0.39	-7679.1	7.67
31	15	0.05	0.54	-4178.7	-6.67
	21	0.05	-0.47	-2985.5	1.29
32	15	0.04	0.35	-602.7	0.26
	21	0.05	-0.27	-4348.9	5.08
33	15	0.04	-1.13	20.5	2.80
	21	0.06	1.38	-13390.2	17.84
34	15	0.04	-0.55	1658.4	5.35
	21	0.05	0.73	-9951.4	13.99
35	15	0.04	-0.46	-3053.0	-5.51
	21	0.05	0.63	-6585.4	6.78
36	15	0.04	-0.23	-2045.0	-4.71
	21	0.05	0.36	-4968.1	5.08
37	15	0.04	-0.15	-709.4	-2.68
	21	0.05	0.28	-3202.3	3.74
38	15	0.04	-0.54	-215.3	-2.71
	21	0.05	0.71	-2976.8	3.24
39	15	0.04	-0.48	-1387.1	-4.64
	21	0.05	0.63	-3783.3	3.56
40	15	0.04	-0.63	325.4	-1.35

	21	0.05	0.80	-3505.0	3.18
41	15	0.04	-0.16	-2296.5	-5.77
	21	0.05	0.29	-4039.5	4.76
42	15	0.05	-0.53	-5120.5	-7.46
	21	0.06	0.71	-9398.5	9.60
43	15	0.05	-1.39	-9766.1	-15.44
	21	0.06	1.67	-14398.6	14.03
44	15	0.05	-1.57	-6068.2	-8.27
	21	0.06	1.87	-15775.4	17.95
45	15	0.05	-0.51	-12122.7	-20.73
	21	0.06	0.70	-8810.3	4.98
46	15	0.05	0.06	-10444.7	-18.09
	21	0.06	0.07	-5397.2	1.14
47	15	0.05	0.51	-4172.8	-6.66
	21	0.05	-0.45	-3021.7	1.24
48	15	0.04	0.33	-474.9	0.51
	21	0.05	-0.25	-4398.5	5.16
49	15	0.04	-1.11	203.7	3.16
	21	0.06	1.36	-13399.9	18.05
50	15	0.04	-0.54	1881.7	5.80
	21	0.05	0.72	-9986.8	14.22
51	15	0.04	-1.10	-4768.8	-10.03
	21	0.06	1.33	-7844.5	7.57
52	15	0.04	-1.24	-1783.4	-4.25
	21	0.05	1.49	-8950.1	10.71
53	15	0.05	-0.38	-6648.5	-14.27
	21	0.05	0.54	-3317.0	0.27
54	15	0.04	0.08	-5274.2	-12.12
	21	0.05	0.02	-541.9	-2.83
55	15	0.04	0.45	-187.8	-2.88
	21	0.04	-0.40	1405.6	-2.78
56	15	0.04	0.31	2797.6	2.90
	21	0.04	-0.24	300.0	0.37
57	15	0.04	-0.87	3303.0	5.00
	21	0.05	1.07	-7002.6	10.77
58	15	0.04	-0.41	4677.3	7.15
	21	0.05	0.56	-4227.5	7.66
1	21	0.07	0.10	-4834.0	-4.45
	24	0.07	0.18	-5805.4	6.24
2	21	0.08	0.11	-13681.3	-12.89
	24	0.08	0.24	-15514.2	16.28
3	21	0.08	0.04	-17629.8	-18.97
	24	0.08	0.32	-15458.9	12.48
4	21	0.08	0.05	-13624.3	-14.35
	24	0.08	0.31	-12181.4	9.75
5	21	0.08	0.07	-14316.7	-15.73
	24	0.08	0.38	-11753.2	8.54
6	21	0.08	0.06	-16603.6	-18.61
	24	0.08	0.37	-13298.7	9.57
7	21	0.08	0.14	-13705.2	-10.68
	24	0.08	0.10	-19997.1	24.78
8	21	0.08	0.14	-9699.7	-6.06
	24	0.08	0.08	-16719.7	22.05
9	21	0.08	0.17	-10392.1	-7.44
	24	0.08	0.16	-16291.5	20.84
10	21	0.08	0.16	-12679.1	-10.32
	24	0.08	0.14	-17836.9	21.87
11	21	0.08	0.03	-14530.2	-16.04

	24	0.08	0.27	-12080.4	9.03
12	21	0.08	0.12	-10605.6	-7.75
	24	0.08	0.05	-16618.6	21.32
13	21	0.07	0.04	-7854.3	-8.34
	24	0.07	0.25	-6617.9	4.47
14	21	0.07	0.13	-3929.8	-0.05
	24	0.07	0.02	-11156.2	16.77
15	21	0.07	0.08	-9008.4	-10.65
	24	0.07	0.37	-5904.2	2.45
16	21	0.07	0.18	-5083.8	-2.36
	24	0.07	0.15	-10442.5	14.75
17	21	0.08	0.07	-12819.9	-15.45
	24	0.08	0.34	-8480.0	4.18
18	21	0.07	0.16	-8895.4	-7.16
	24	0.07	0.12	-13018.3	16.47
19	21	0.08	0.01	-14514.3	-17.51
	24	0.08	0.37	-9091.7	3.36
20	21	0.07	0.17	-7973.3	-3.70
	24	0.08	-0.01	-16655.5	23.86
21	21	0.07	0.01	-10508.8	-12.89
	24	0.07	0.35	-5814.3	0.63
22	21	0.07	0.17	-3967.8	0.92
	24	0.07	-0.02	-13378.0	21.12
23	21	0.07	0.04	-11201.2	-14.28
	24	0.07	0.43	-5386.1	-0.58
24	21	0.07	0.20	-4660.2	-0.47
	24	0.07	0.05	-12949.8	19.91
25	21	0.08	0.03	-13488.1	-17.16
	24	0.08	0.41	-6931.5	0.45
26	21	0.07	0.19	-6947.2	-3.34
	24	0.07	0.04	-14495.3	20.95
27	21	0.06	0.74	-18123.6	-19.26
	24	0.06	-0.49	-16929.7	16.53
28	21	0.06	0.55	-15818.4	-14.68
	24	0.06	-0.31	-18629.8	20.49
29	21	0.06	0.56	-16239.9	-19.62
	24	0.06	-0.29	-10727.5	7.55
30	21	0.05	-0.10	-8477.9	-7.71
	24	0.05	0.34	-9944.8	10.43
31	21	0.05	-0.42	-5057.4	-5.02
	24	0.05	0.64	-4876.0	4.10
32	21	0.05	-0.60	-2752.1	-0.44
	24	0.05	0.82	-6576.1	8.07
33	21	0.06	-0.07	-8555.8	-4.35
	24	0.06	0.29	-16394.4	20.77
34	21	0.05	-0.42	-4635.9	-0.08
	24	0.06	0.63	-12778.3	17.04
35	21	0.05	0.07	-7488.8	-7.04
	24	0.05	0.15	-8516.6	8.95
36	21	0.05	0.05	-5863.7	-5.52
	24	0.05	0.10	-6756.3	7.16
37	21	0.05	0.06	-3193.4	-2.44
	24	0.05	0.09	-4571.3	5.34
38	21	0.05	0.08	-3655.0	-3.36
	24	0.05	0.14	-4285.8	4.54
39	21	0.05	0.07	-5179.6	-5.28
	24	0.05	0.13	-5316.1	5.22
40	21	0.05	0.03	-5847.8	-6.99
	24	0.05	0.20	-3767.6	1.50

41	21	0.05	0.10	-3231.4	-1.47
	24	0.05	0.05	-6793.1	9.70
42	21	0.06	0.07	-10437.9	-9.85
	24	0.06	0.17	-11752.9	12.30
43	21	0.06	0.73	-18096.7	-19.34
	24	0.06	-0.46	-16676.8	16.23
44	21	0.06	0.55	-15708.4	-14.57
	24	0.06	-0.29	-18425.2	20.35
45	21	0.06	0.54	-16357.8	-19.94
	24	0.06	-0.28	-10578.3	7.22
46	21	0.06	0.20	-12479.0	-15.67
	24	0.05	0.05	-7099.4	3.63
47	21	0.05	-0.41	-5167.3	-5.13
	24	0.05	0.63	-5080.6	4.24
48	21	0.05	-0.59	-2779.0	-0.36
	24	0.05	0.79	-6829.0	8.36
49	21	0.06	-0.06	-8396.8	-4.03
	24	0.06	0.28	-16406.4	20.97
50	21	0.05	-0.41	-4518.0	0.24
	24	0.06	0.61	-12927.5	17.37
51	21	0.06	0.60	-10791.2	-11.97
	24	0.05	-0.39	-9294.1	8.80
52	21	0.05	0.46	-8854.3	-8.11
	24	0.06	-0.25	-10700.6	12.12
53	21	0.05	0.45	-9352.9	-12.40
	24	0.05	-0.24	-4351.3	1.53
54	21	0.05	0.18	-6183.0	-8.91
	24	0.05	0.03	-1521.1	-1.39
55	21	0.04	-0.32	-225.0	-0.34
	24	0.05	0.50	139.8	-0.92
56	21	0.04	-0.47	1712.0	3.51
	24	0.05	0.64	-1266.7	2.39
57	21	0.05	-0.04	-2896.3	0.46
	24	0.05	0.22	-9039.7	12.59
58	21	0.05	-0.32	273.6	3.94
	24	0.05	0.49	-6209.5	9.67
1	24	0.07	0.42	-4921.0	-5.94
	27	0.06	-0.15	2372.9	-6.12
2	24	0.08	0.44	-13996.2	-15.49
	27	0.07	-0.11	-1405.8	-7.42
3	24	0.08	-0.28	-20933.4	-28.23
	27	0.08	0.69	2607.5	-28.70
4	24	0.08	-0.18	-16916.8	-23.27
	27	0.08	0.57	3375.5	-25.90
5	24	0.08	0.08	-17583.8	-24.49
	27	0.08	0.41	2707.7	-25.78
6	24	0.08	-0.09	-19859.3	-27.56
	27	0.08	0.56	2719.2	-28.39
7	24	0.08	0.77	-11073.5	-7.22
	27	0.06	-0.59	-5663.0	10.59
8	24	0.08	0.87	-7056.8	-2.26
	27	0.06	-0.70	-4895.0	13.39
9	24	0.08	1.12	-7723.8	-3.48
	27	0.06	-0.87	-5562.8	13.51
10	24	0.08	0.95	-9999.3	-6.55
	27	0.06	-0.72	-5551.3	10.90
11	24	0.08	-0.42	-17734.0	-24.94
	27	0.08	0.77	4415.5	-29.13

12	24	0.08	0.63	-7874.0	-3.93
	27	0.06	-0.51	-3854.9	10.16
13	24	0.07	-0.25	-11039.5	-16.68
	27	0.07	0.58	5695.5	-24.47
14	24	0.07	0.79	-1179.6	4.33
	27	0.06	-0.70	-2574.9	14.82
15	24	0.07	0.17	-12151.2	-18.71
	27	0.07	0.30	4582.5	-24.27
16	24	0.07	1.21	-2291.2	2.30
	27	0.06	-0.98	-3687.9	15.02
17	24	0.08	-0.11	-15943.7	-23.82
	27	0.08	0.56	4601.7	-28.61
18	24	0.07	0.93	-6083.7	-2.81
	27	0.06	-0.72	-3668.8	10.68
19	24	0.08	-0.64	-19682.5	-30.46
	27	0.08	1.09	7253.7	-41.14
20	24	0.08	1.10	-3249.2	4.56
	27	0.05	-1.04	-6530.5	24.34
21	24	0.07	-0.54	-15665.8	-25.50
	27	0.08	0.98	8021.7	-38.35
22	24	0.07	1.20	767.5	9.52
	27	0.05	-1.15	-5762.4	27.14
23	24	0.07	-0.28	-16332.8	-26.72
	27	0.08	0.81	7353.9	-38.23
24	24	0.07	1.46	100.5	8.30
	27	0.05	-1.32	-6430.2	27.26
25	24	0.08	-0.45	-18608.3	-29.78
	27	0.08	0.97	7365.3	-40.83
26	24	0.07	1.29	-2175.0	5.23
	27	0.05	-1.16	-6418.8	24.66
27	24	0.06	0.67	-17899.6	-20.69
	27	0.06	0.46	-5731.0	-3.73
28	24	0.06	0.81	-16048.6	-16.52
	27	0.06	0.31	-7327.6	2.11
29	24	0.06	0.16	-15675.8	-20.74
	27	0.06	0.35	-597.8	-13.38
30	24	0.05	0.10	-8833.7	-9.67
	27	0.05	-0.14	-455.5	-6.07
31	24	0.05	-0.32	-5375.9	-6.94
	27	0.05	-0.35	3613.2	-11.82
32	24	0.05	-0.18	-3525.0	-2.78
	27	0.04	-0.50	2016.7	-5.98
33	24	0.06	0.63	-9505.9	-6.85
	27	0.05	-0.15	-5919.8	6.10
34	24	0.06	0.34	-5748.8	-2.73
	27	0.05	-0.39	-3116.5	3.67
35	24	0.05	0.24	-7687.2	-8.55
	27	0.05	-0.03	-597.6	-4.42
36	24	0.05	0.10	-6000.3	-6.85
	27	0.05	0.06	580.7	-5.07
37	24	0.05	0.17	-3322.5	-3.55
	27	0.04	-0.02	1092.7	-3.20
38	24	0.05	0.34	-3767.2	-4.36
	27	0.05	-0.13	647.5	-3.12
39	24	0.05	0.22	-5284.2	-6.40
	27	0.05	-0.03	655.1	-4.86
40	24	0.05	-0.12	-7948.8	-12.37
	27	0.05	0.38	3418.8	-17.08
41	24	0.05	0.58	-1375.5	1.64

	27	0.04	-0.48	-2094.8	9.12
42	24	0.06	0.25	-10712.3	-11.73
	27	0.05	-0.02	-1857.2	-4.85
43	24	0.06	0.64	-17682.2	-20.57
	27	0.06	-0.31	-5427.0	-3.83
44	24	0.06	0.78	-15769.5	-16.23
	27	0.06	-0.46	-7077.7	2.27
45	24	0.06	0.15	-15704.3	-20.97
	27	0.06	0.12	-424.5	-13.80
46	24	0.05	-0.13	-12096.2	-16.97
	27	0.05	0.34	2212.6	-16.24
47	24	0.05	-0.28	-5655.1	-7.24
	27	0.05	0.42	3363.3	-11.98
48	24	0.05	-0.14	-3742.3	-2.89
	27	0.04	0.27	1712.6	-5.88
49	24	0.06	0.62	-9328.4	-6.50
	27	0.05	-0.38	-5926.9	6.54
50	24	0.06	0.35	-5720.3	-2.50
	27	0.05	-0.16	-3289.8	4.09
51	24	0.05	0.55	-10343.1	-12.56
	27	0.05	-0.28	-2247.5	-3.15
52	24	0.06	0.66	-8798.7	-9.06
	27	0.05	-0.41	-3576.4	1.76
53	24	0.05	0.15	-8708.7	-12.83
	27	0.05	0.06	1804.6	-11.18
54	24	0.05	-0.07	-5763.5	-9.56
	27	0.05	0.24	3948.9	-13.15
55	24	0.05	-0.20	-525.5	-1.67
	27	0.04	0.31	4900.4	-9.72
56	24	0.05	-0.09	1018.8	1.83
	27	0.04	0.19	3571.5	-4.81
57	24	0.05	0.53	-3560.8	-1.17
	27	0.04	-0.34	-2625.0	5.19
58	24	0.05	0.31	-615.5	2.10
	27	0.04	-0.16	-480.6	3.22
1	4	0.04	0.80	-26323.0	1.76
	11	0.05	-0.88	-57037.5	37.69
2	4	0.04	1.78	-26864.8	3.85
	11	0.06	-1.98	-70946.8	52.67
3	4	0.04	1.04	-24459.6	8.29
	11	0.06	-1.22	-71620.1	54.74
4	4	0.05	0.89	-23005.0	12.55
	11	0.06	-1.10	-82973.1	68.83
5	4	0.04	-0.13	-24542.7	8.40
	11	0.06	0.07	-71933.8	55.05
6	4	0.04	0.11	-25617.7	4.88
	11	0.05	-0.17	-63245.2	44.45
7	4	0.04	3.81	-29186.1	-0.72
	11	0.06	-4.15	-69921.8	50.24
8	4	0.04	3.66	-27731.5	3.54
	11	0.06	-4.03	-81274.8	64.33
9	4	0.04	2.64	-29269.2	-0.61
	11	0.06	-2.86	-70235.5	50.55
10	4	0.04	2.88	-30344.2	-4.13
	11	0.06	-3.10	-61546.9	39.95
11	4	0.04	0.98	-24160.7	7.20
	11	0.05	-1.15	-64548.3	47.14
12	4	0.04	3.74	-28887.2	-1.80

	11	0.06	-4.07	-62850.0	42.63
13	4	0.05	0.74	-21736.4	14.30
	11	0.06	-0.94	-83469.9	70.61
14	4	0.04	3.51	-26462.9	5.30
	11	0.06	-3.87	-81771.7	66.11
15	4	0.04	-0.98	-24299.3	7.38
	11	0.05	1.00	-65071.0	47.66
16	4	0.04	1.79	-29025.8	-1.62
	11	0.06	-1.92	-63372.7	43.15
17	4	0.04	-0.57	-26090.8	1.52
	11	0.05	0.61	-50590.1	29.99
18	4	0.04	2.20	-30817.4	-7.49
	11	0.05	-2.32	-48891.8	25.49
19	4	0.04	-0.38	-22613.2	10.24
	11	0.05	0.30	-65231.6	48.76
20	4	0.04	4.24	-30490.7	-4.76
	11	0.06	-4.58	-62401.1	41.25
21	4	0.05	-0.52	-21158.6	14.50
	11	0.06	0.42	-76584.6	62.84
22	4	0.04	4.10	-29036.1	-0.50
	11	0.06	-4.46	-73754.1	55.34
23	4	0.04	-1.55	-22696.3	10.35
	11	0.05	1.59	-65545.2	49.07
24	4	0.04	3.07	-30573.8	-4.65
	11	0.06	-3.29	-62714.7	41.56
25	4	0.04	-1.30	-23771.2	6.83
	11	0.05	1.35	-56856.6	38.47
26	4	0.04	3.32	-31648.8	-8.17
	11	0.05	-3.52	-54026.2	30.96
27	4	0.03	-3.24	-20003.0	0.69
	11	0.04	3.66	-50875.0	35.06
28	4	0.03	-4.78	-18535.6	3.45
	11	0.04	5.35	-55296.9	41.47
29	4	0.03	2.24	-20850.6	-1.77
	11	0.04	-2.45	-44811.1	28.90
30	4	0.03	2.84	-17664.2	3.49
	11	0.04	-3.18	-51405.0	40.74
31	4	0.03	7.29	-17533.6	2.87
	11	0.04	-8.17	-48289.0	38.86
32	4	0.03	5.75	-16066.3	5.63
	11	0.04	-6.48	-52710.8	45.27
33	4	0.03	-2.89	-15959.4	7.43
	11	0.04	3.18	-59550.6	50.29
34	4	0.03	0.27	-15218.6	8.09
	11	0.04	-0.37	-58774.8	51.43
35	4	0.03	0.93	-17854.0	2.46
	11	0.04	-1.04	-47156.5	35.17
36	4	0.03	1.03	-17645.5	1.73
	11	0.04	-1.15	-42402.9	30.06
37	4	0.03	0.93	-16675.7	4.57
	11	0.04	-1.07	-49971.5	39.45
38	4	0.03	0.25	-17700.9	1.80
	11	0.04	-0.29	-42611.9	30.27
39	4	0.03	0.41	-18417.5	-0.55
	11	0.04	-0.45	-36819.6	23.20
40	4	0.03	-0.32	-16097.9	4.77
	11	0.04	0.30	-43086.1	31.68
41	4	0.03	1.53	-19248.9	-1.23
	11	0.04	-1.65	-41954.0	28.68

42	4	0.03	1.26	-18034.6	3.16
	11	0.04	-1.41	-51792.9	40.17
43	4	0.03	-3.41	-19992.5	0.73
	11	0.04	3.85	-51023.6	35.20
44	4	0.03	-5.03	-18610.9	3.36
	11	0.04	5.63	-55222.3	41.27
45	4	0.03	2.32	-20717.3	-1.56
	11	0.04	-2.53	-45194.1	29.47
46	4	0.03	5.60	-19957.1	-0.89
	11	0.04	-6.22	-44396.1	30.63
47	4	0.03	7.54	-17458.3	2.96
	11	0.04	-8.45	-48363.5	39.06
48	4	0.03	5.92	-16076.8	5.59
	11	0.04	-6.67	-52562.2	45.13
49	4	0.03	-3.09	-16112.1	7.21
	11	0.04	3.40	-59189.7	49.70
50	4	0.03	0.19	-15351.9	7.88
	11	0.04	-0.29	-58391.7	50.86
51	4	0.03	-3.18	-19272.0	-0.21
	11	0.04	3.59	-41885.8	26.15
52	4	0.03	-4.48	-18146.8	1.93
	11	0.04	5.02	-45292.4	31.08
53	4	0.03	1.43	-19859.6	-2.07
	11	0.04	-1.55	-37163.1	21.50
54	4	0.03	4.09	-19238.0	-1.52
	11	0.04	-4.54	-36521.7	22.44
55	4	0.03	5.68	-17200.1	1.61
	11	0.04	-6.37	-39747.7	29.29
56	4	0.03	4.39	-16074.8	3.75
	11	0.04	-4.95	-43154.2	34.22
57	4	0.03	-2.89	-16108.8	5.06
	11	0.04	3.19	-48518.4	37.93
58	4	0.03	-0.23	-15487.2	5.60
	11	0.04	0.20	-47877.0	38.87
1	11	0.05	-0.20	-44163.3	-37.01
	16	0.07	0.04	-40774.2	5.10
2	11	0.06	-0.22	-60989.2	-51.39
	16	0.08	-0.20	-52127.3	6.03
3	11	0.06	0.12	-56899.7	-44.55
	16	0.08	-0.49	-50629.6	1.97
4	11	0.06	-0.20	-60782.3	-45.01
	16	0.08	-0.16	-59678.4	17.75
5	11	0.06	0.13	-56831.8	-44.22
	16	0.08	-0.24	-51089.8	2.80
6	11	0.05	0.38	-53910.7	-43.73
	16	0.08	-0.52	-44670.0	-8.75
7	11	0.06	-0.54	-65161.3	-58.61
	16	0.08	-0.22	-53121.5	9.16
8	11	0.06	-0.86	-69043.8	-59.06
	16	0.08	0.12	-62170.2	24.94
9	11	0.06	-0.52	-65093.3	-58.28
	16	0.08	0.04	-53581.7	9.98
10	11	0.06	-0.28	-62172.3	-57.79
	16	0.08	-0.24	-47161.9	-1.57
11	11	0.05	0.13	-48514.3	-37.48
	16	0.07	-0.48	-44785.2	1.20
12	11	0.06	-0.53	-56775.8	-51.54
	16	0.07	-0.20	-47277.0	8.39

13	11	0.06	-0.41	-54985.1	-38.24
	16	0.07	0.08	-59866.4	27.50
14	11	0.06	-1.07	-63246.7	-52.30
	16	0.07	0.36	-62358.3	34.68
15	11	0.05	0.15	-48401.0	-36.94
	16	0.07	-0.05	-45552.2	2.57
16	11	0.06	-0.50	-56662.6	-50.99
	16	0.07	0.22	-48044.1	9.76
17	11	0.05	0.57	-43532.6	-36.11
	16	0.07	-0.52	-34852.6	-16.67
18	11	0.05	-0.09	-51794.1	-50.17
	16	0.07	-0.25	-37344.4	-9.49
19	11	0.05	0.34	-45732.9	-32.68
	16	0.07	-0.47	-44122.4	-0.88
20	11	0.06	-0.75	-59502.2	-56.10
	16	0.07	-0.01	-48275.5	11.09
21	11	0.06	0.02	-49615.4	-33.13
	16	0.07	-0.13	-53171.2	14.90
22	11	0.06	-1.08	-63384.7	-56.56
	16	0.07	0.33	-57324.3	26.87
23	11	0.05	0.36	-45665.0	-32.35
	16	0.07	-0.21	-44582.6	-0.06
24	11	0.06	-0.74	-59434.2	-55.77
	16	0.07	0.25	-48735.8	11.91
25	11	0.05	0.61	-42743.9	-31.85
	16	0.07	-0.49	-38162.8	-11.61
26	11	0.05	-0.49	-56513.1	-55.28
	16	0.07	-0.03	-42316.0	0.36
27	11	0.04	2.25	-48324.3	-39.91
	16	0.06	-1.61	-37287.3	1.58
28	11	0.04	3.26	-45425.2	-35.82
	16	0.05	-2.40	-38992.2	12.97
29	11	0.04	-0.94	-50798.5	-45.55
	16	0.06	0.58	-34306.8	-14.05
30	11	0.04	-0.99	-45188.3	-39.48
	16	0.05	0.36	-36298.6	2.94
31	11	0.04	-3.51	-45729.8	-42.40
	16	0.05	2.03	-34454.8	-5.09
32	11	0.04	-2.51	-42830.7	-38.31
	16	0.05	1.23	-36159.7	6.30
33	11	0.04	2.42	-41134.9	-31.92
	16	0.05	-2.05	-39989.9	23.93
34	11	0.04	0.69	-40356.5	-32.66
	16	0.05	-0.96	-39140.2	21.93
35	11	0.04	-0.12	-39968.9	-34.31
	16	0.05	-0.11	-32939.1	3.63
36	11	0.04	-0.11	-34387.7	-29.64
	16	0.05	-0.13	-28986.9	3.01
37	11	0.04	-0.33	-36976.1	-29.95
	16	0.05	0.09	-35019.4	13.53
38	11	0.04	-0.10	-34342.4	-29.42
	16	0.05	0.04	-29293.7	3.56
39	11	0.04	0.06	-32395.1	-29.10
	16	0.05	-0.15	-25013.8	-4.14
40	11	0.04	0.10	-31606.4	-24.84
	16	0.05	-0.12	-28324.1	0.93
41	11	0.04	-0.34	-37114.1	-34.21
	16	0.05	0.06	-29985.3	5.72
42	11	0.04	-0.13	-45577.5	-39.11

	16	0.05	-0.19	-36723.5	3.94
43	11	0.04	2.35	-48278.1	-39.78
	16	0.06	-1.67	-37386.7	1.94
44	11	0.04	3.40	-45520.8	-35.90
	16	0.05	-2.49	-39002.0	12.76
45	11	0.04	-0.98	-50569.6	-45.20
	16	0.06	0.61	-34472.6	-13.07
46	11	0.04	-2.78	-49776.4	-45.97
	16	0.06	1.75	-33590.0	-15.11
47	11	0.04	-3.65	-45634.2	-42.32
	16	0.05	2.12	-34445.0	-4.88
48	11	0.04	-2.60	-42876.9	-38.43
	16	0.05	1.30	-36060.3	5.94
49	11	0.04	2.53	-41378.6	-32.25
	16	0.05	-2.13	-39857.0	22.99
50	11	0.04	0.73	-40585.5	-33.01
	16	0.05	-0.99	-38974.4	20.94
51	11	0.04	1.89	-36564.0	-30.07
	16	0.05	-1.23	-29687.2	1.69
52	11	0.04	2.73	-34324.0	-26.91
	16	0.05	-1.89	-30995.4	10.47
53	11	0.04	-0.79	-38418.7	-34.47
	16	0.05	0.61	-27330.4	-10.48
54	11	0.04	-2.25	-37768.4	-35.09
	16	0.05	1.52	-26618.4	-12.14
55	11	0.04	-2.97	-34396.4	-32.13
	16	0.05	1.83	-27314.1	-3.82
56	11	0.04	-2.13	-32156.4	-28.97
	16	0.05	1.17	-28622.3	4.96
57	11	0.04	2.01	-30952.0	-23.95
	16	0.05	-1.58	-31691.0	18.78
58	11	0.04	0.55	-30301.8	-24.57
	16	0.04	-0.67	-30979.1	17.13
1	5	0.04	-0.85	-25585.4	3.16
	12	0.05	0.87	-55259.5	35.38
2	5	0.04	-1.86	-25725.2	5.94
	12	0.06	1.97	-68806.5	49.87
3	5	0.04	-5.42	-20568.5	12.92
	12	0.05	6.12	-67387.3	50.08
4	5	0.04	-5.99	-18945.1	17.50
	12	0.06	6.77	-78324.8	63.57
5	5	0.04	-6.33	-20102.2	13.39
	12	0.05	7.14	-67247.0	50.08
6	5	0.04	-5.87	-21347.4	9.56
	12	0.05	6.61	-58781.5	39.77
7	5	0.04	2.68	-31380.2	-1.55
	12	0.06	-3.28	-70375.7	49.65
8	5	0.05	2.11	-29756.7	3.02
	12	0.06	-2.63	-81313.2	63.14
9	5	0.04	1.77	-30913.8	-1.08
	12	0.06	-2.26	-70235.4	49.65
10	5	0.04	2.23	-32159.0	-4.91
	12	0.06	-2.79	-61769.9	39.34
11	5	0.04	-4.59	-20664.7	11.37
	12	0.05	5.20	-60663.8	42.84
12	5	0.04	3.51	-31476.4	-3.10
	12	0.06	-4.20	-63652.1	42.41
13	5	0.04	-5.54	-17958.9	18.99

	12	0.06	6.29	-78893.0	65.32
14	5	0.05	2.56	-28770.6	4.51
	12	0.06	-3.12	-81881.4	64.89
15	5	0.04	-6.10	-19887.4	12.15
	12	0.05	6.91	-60429.9	42.84
16	5	0.04	2.00	-30699.1	-2.32
	12	0.06	-2.50	-63418.2	42.41
17	5	0.04	-5.34	-21962.7	5.77
	12	0.05	6.01	-46320.7	25.65
18	5	0.04	2.76	-32774.4	-8.70
	12	0.05	-3.39	-49309.1	25.22
19	5	0.04	-7.62	-16894.7	16.36
	12	0.05	8.70	-59617.7	42.98
20	5	0.04	5.88	-34914.2	-7.76
	12	0.06	-6.97	-64598.3	42.26
21	5	0.04	-8.19	-15271.2	20.93
	12	0.05	9.35	-70555.2	56.47
22	5	0.05	5.31	-33290.7	-3.19
	12	0.06	-6.31	-75535.8	55.75
23	5	0.04	-8.53	-16428.4	16.83
	12	0.05	9.72	-59477.3	42.98
24	5	0.04	4.97	-34447.8	-7.29
	12	0.06	-5.94	-64457.9	42.27
25	5	0.04	-8.07	-17673.6	13.00
	12	0.05	9.19	-51011.8	32.67
26	5	0.04	5.43	-35693.0	-11.12
	12	0.06	-6.48	-55992.5	31.95
27	5	0.03	-7.25	-14841.1	6.53
	12	0.04	8.17	-46599.4	34.03
28	5	0.03	-5.82	-13538.2	9.04
	12	0.04	6.56	-50962.0	40.21
29	5	0.03	-5.25	-18474.2	1.52
	12	0.04	5.86	-42526.3	27.47
30	5	0.03	0.29	-18113.9	3.93
	12	0.04	-0.40	-50668.7	38.32
31	5	0.03	3.24	-20878.4	0.59
	12	0.04	-3.78	-49504.0	35.88
32	5	0.03	4.68	-19575.5	3.11
	12	0.04	-5.39	-53866.6	42.05
33	5	0.03	-0.47	-14131.2	9.89
	12	0.04	0.50	-57068.3	48.06
34	5	0.03	2.68	-15942.4	8.11
	12	0.04	-3.08	-57939.6	48.62
35	5	0.03	-0.95	-17161.7	3.89
	12	0.04	1.02	-45717.3	33.21
36	5	0.03	-0.29	-17281.2	2.80
	12	0.04	0.29	-41251.6	28.38
37	5	0.03	-0.67	-16198.8	5.85
	12	0.04	0.72	-48543.3	37.38
38	5	0.03	-0.90	-16970.3	3.11
	12	0.04	0.97	-41158.0	28.38
39	5	0.03	-0.59	-17800.4	0.56
	12	0.04	0.61	-35514.4	21.51
40	5	0.03	-3.32	-13511.2	7.79
	12	0.04	3.79	-40205.5	28.53
41	5	0.03	2.08	-20719.0	-1.86
	12	0.04	-2.48	-42197.7	28.24
42	5	0.03	-1.29	-17208.3	4.82
	12	0.04	1.39	-50233.0	38.04

43	5	0.03	-5.99	-14703.3	6.73
	12	0.04	6.76	-46755.8	34.33
44	5	0.03	-7.48	-13461.7	9.04
	12	0.04	8.43	-50730.5	39.96
45	5	0.03	-0.44	-18339.9	1.88
	12	0.04	0.46	-43161.5	28.40
46	5	0.03	2.83	-20215.4	0.04
	12	0.04	-3.26	-44055.4	28.94
47	5	0.03	4.91	-20954.9	0.59
	12	0.04	-5.65	-49735.5	36.13
48	5	0.03	3.42	-19713.3	2.91
	12	0.04	-3.98	-53710.2	41.75
49	5	0.03	-5.40	-14201.3	9.60
	12	0.04	6.04	-56410.6	47.15
50	5	0.03	-2.13	-16076.8	7.76
	12	0.04	2.32	-57304.5	47.69
51	5	0.03	-4.44	-15080.4	4.51
	12	0.04	5.02	-38370.7	25.36
52	5	0.03	-5.63	-14076.7	6.39
	12	0.04	6.36	-41608.1	29.94
53	5	0.03	0.04	-18026.9	0.58
	12	0.04	-0.07	-35442.2	20.53
54	5	0.03	2.70	-19548.9	-0.92
	12	0.04	-3.09	-36169.5	20.97
55	5	0.03	4.40	-20153.5	-0.46
	12	0.04	-5.05	-40795.1	26.83
56	5	0.03	3.21	-19149.8	1.42
	12	0.04	-3.71	-44032.6	31.41
57	5	0.03	-3.93	-14681.3	6.84
	12	0.04	4.40	-46233.7	35.80
58	5	0.03	-1.28	-16203.2	5.35
	12	0.04	1.38	-46961.1	36.24
1	12	0.05	0.74	-42050.1	-35.18
	17	0.07	-0.73	-39272.5	3.67
2	12	0.06	1.11	-58332.2	-49.18
	17	0.08	-0.92	-50187.1	4.31
3	12	0.05	3.38	-53486.7	-43.99
	17	0.07	-2.28	-44168.9	-5.99
4	12	0.06	3.90	-57125.3	-44.70
	17	0.08	-2.68	-52216.4	8.79
5	12	0.05	3.69	-53163.5	-44.06
	17	0.07	-2.38	-43369.3	-6.44
6	12	0.05	3.22	-50630.2	-43.59
	17	0.07	-2.00	-37764.1	-17.61
7	12	0.06	-1.48	-63525.3	-54.30
	17	0.08	0.53	-57073.6	15.11
8	12	0.06	-0.96	-67163.9	-55.01
	17	0.08	0.13	-65121.1	29.89
9	12	0.06	-1.17	-63202.2	-54.37
	17	0.08	0.43	-56273.9	14.66
10	12	0.06	-1.65	-60668.8	-53.90
	17	0.08	0.81	-50668.7	3.49
11	12	0.05	3.09	-45461.5	-36.96
	17	0.07	-2.15	-39001.1	-6.16
12	12	0.06	-1.78	-55500.2	-47.27
	17	0.07	0.66	-51905.8	14.95
13	12	0.06	3.95	-51525.9	-38.15
	17	0.07	-2.82	-52413.6	18.48

14	12	0.06	-0.92	-61564.5	-48.46
	17	0.07	-0.01	-65318.3	39.58
15	12	0.05	3.60	-44922.9	-37.08
	17	0.07	-2.32	-37668.4	-6.90
16	12	0.06	-1.26	-54961.6	-47.38
	17	0.07	0.49	-50573.0	14.20
17	12	0.05	2.81	-40700.7	-36.29
	17	0.07	-1.69	-28326.4	-25.52
18	12	0.05	-2.05	-50739.4	-46.60
	17	0.07	1.12	-41231.0	-4.41
19	12	0.05	4.82	-41999.4	-33.55
	17	0.07	-3.12	-34410.1	-13.35
20	12	0.06	-3.29	-58730.5	-50.73
	17	0.07	1.56	-55917.9	21.82
21	12	0.05	5.33	-45638.0	-34.27
	17	0.07	-3.52	-42457.6	1.43
22	12	0.06	-2.77	-62369.1	-51.45
	17	0.07	1.16	-63965.4	36.60
23	12	0.05	5.13	-41676.3	-33.62
	17	0.07	-3.22	-33610.5	-13.80
24	12	0.06	-2.98	-58407.4	-50.80
	17	0.07	1.46	-55118.2	21.37
25	12	0.05	4.65	-39142.9	-33.15
	17	0.07	-2.84	-28005.3	-24.97
26	12	0.06	-3.45	-55874.0	-50.33
	17	0.07	1.84	-49513.0	10.20
27	12	0.04	3.25	-42810.1	-38.68
	17	0.05	-2.03	-30561.3	-5.49
28	12	0.04	4.43	-40054.7	-35.00
	17	0.05	-3.02	-32048.1	5.24
29	12	0.04	-0.28	-47533.9	-43.36
	17	0.06	0.48	-31691.1	-15.99
30	12	0.04	-0.16	-44235.2	-37.55
	17	0.05	-0.02	-36624.3	3.62
31	12	0.04	-2.90	-47122.1	-39.77
	17	0.06	1.83	-38745.3	0.27
32	12	0.04	-1.72	-44366.7	-36.09
	17	0.05	0.84	-40232.2	11.00
33	12	0.04	3.65	-38349.3	-31.08
	17	0.05	-2.82	-36647.1	19.77
34	12	0.04	1.81	-39642.9	-31.41
	17	0.05	-1.67	-39102.3	21.50
35	12	0.04	0.64	-38161.0	-32.72
	17	0.05	-0.53	-31758.5	2.54
36	12	0.04	0.41	-32849.6	-28.02
	17	0.05	-0.43	-28409.8	2.48
37	12	0.04	0.75	-35275.3	-28.50
	17	0.05	-0.70	-33774.8	12.34
38	12	0.04	0.62	-32634.2	-28.07
	17	0.05	-0.50	-27876.7	2.19
39	12	0.04	0.30	-30945.3	-27.75
	17	0.05	-0.25	-24139.9	-5.26
40	12	0.04	2.14	-29387.5	-24.61
	17	0.05	-1.40	-23818.8	-4.71
41	12	0.04	-1.10	-36079.9	-31.48
	17	0.05	0.47	-32421.9	9.36
42	12	0.04	0.77	-43588.4	-37.38
	17	0.05	-0.59	-35396.7	2.75
43	12	0.04	3.35	-42621.4	-38.54

	17	0.05	-2.09	-30450.5	-5.07
44	12	0.04	4.59	-40082.9	-35.16
	17	0.05	-3.13	-31880.6	4.74
45	12	0.04	-0.35	-47148.5	-42.86
	17	0.06	0.54	-31743.8	-14.47
46	12	0.04	-2.27	-48490.2	-43.18
	17	0.06	1.74	-34282.5	-12.72
47	12	0.04	-3.06	-47093.9	-39.61
	17	0.06	1.94	-38912.8	0.77
48	12	0.04	-1.81	-44555.3	-36.23
	17	0.05	0.90	-40342.9	10.58
49	12	0.04	3.80	-38686.5	-31.59
	17	0.05	-2.93	-36510.9	18.23
50	12	0.04	1.88	-40028.3	-31.91
	17	0.05	-1.73	-39049.6	19.98
51	12	0.04	2.61	-31954.2	-28.99
	17	0.05	-1.67	-24093.2	-4.06
52	12	0.04	3.60	-29892.7	-26.24
	17	0.05	-2.51	-25261.4	3.93
53	12	0.04	-0.36	-35626.5	-32.50
	17	0.05	0.43	-25140.4	-11.71
54	12	0.04	-1.91	-36712.6	-32.76
	17	0.05	1.41	-27206.2	-10.27
55	12	0.04	-2.57	-35574.7	-29.86
	17	0.05	1.57	-30979.3	0.72
56	12	0.04	-1.58	-33513.2	-27.11
	17	0.05	0.74	-32147.5	8.70
57	12	0.04	2.95	-28754.8	-23.33
	17	0.04	-2.34	-29034.5	14.92
58	12	0.04	1.39	-29840.9	-23.59
	17	0.04	-1.36	-31100.3	16.35
1	6	0.04	0.22	-27902.9	-4.76
	7	0.04	-0.48	-33308.7	11.22
2	6	0.04	0.41	-29909.9	-6.70
	7	0.04	-0.73	-35588.3	13.10
3	6	0.05	-2.19	-39177.3	-8.46
	7	0.04	3.95	-36667.5	8.27
4	6	0.05	-2.24	-40172.5	-7.93
	7	0.04	4.04	-40672.1	12.83
5	6	0.05	-3.06	-40421.1	-8.97
	7	0.04	5.07	-36965.8	7.78
6	6	0.05	-3.02	-39434.1	-9.57
	7	0.04	4.97	-33541.6	4.03
7	6	0.03	3.96	-19315.2	-4.39
	7	0.04	-6.63	-34189.6	18.46
8	6	0.03	3.90	-20310.4	-3.87
	7	0.04	-6.53	-38194.2	23.02
9	6	0.03	3.08	-20559.1	-4.90
	7	0.04	-5.51	-34487.8	17.97
10	6	0.03	3.12	-19572.0	-5.51
	7	0.04	-5.61	-31063.6	14.22
11	6	0.05	-1.96	-37731.4	-7.31
	7	0.04	3.67	-35421.2	7.50
12	6	0.03	4.18	-17869.3	-3.24
	7	0.04	-6.91	-32943.3	17.69
13	6	0.05	-2.05	-39390.1	-6.43
	7	0.04	3.83	-42095.5	15.11
14	6	0.03	4.10	-19528.0	-2.37

	7	0.04	-6.75	-39617.6	25.30
15	6	0.05	-3.42	-39804.5	-8.16
	7	0.04	5.53	-35918.3	6.69
16	6	0.03	2.72	-19942.4	-4.09
	7	0.04	-5.04	-33440.4	16.88
17	6	0.05	-3.36	-38159.4	-9.17
	7	0.04	5.37	-30211.3	0.44
18	6	0.03	2.79	-18297.3	-5.10
	7	0.04	-5.21	-27733.4	10.63
19	6	0.05	-4.33	-44794.5	-8.84
	7	0.04	7.60	-36353.7	3.93
20	6	0.03	5.91	-11691.0	-2.07
	7	0.04	-10.03	-32223.8	20.91
21	6	0.05	-4.38	-45789.7	-8.32
	7	0.04	7.70	-40358.3	8.50
22	6	0.03	5.86	-12686.2	-1.54
	7	0.04	-9.93	-36228.4	25.48
23	6	0.05	-5.20	-46038.3	-9.35
	7	0.04	8.72	-36651.9	3.44
24	6	0.03	5.04	-12934.9	-2.58
	7	0.04	-8.91	-32522.0	20.42
25	6	0.05	-5.17	-45051.3	-9.96
	7	0.04	8.62	-33227.7	-0.30
26	6	0.02	5.08	-11947.8	-3.18
	7	0.04	-9.01	-29097.9	16.68
27	6	0.03	-4.25	-28853.3	-9.58
	7	0.03	5.74	-26863.3	5.60
28	6	0.04	-3.16	-30971.3	-7.80
	7	0.03	4.33	-29854.3	9.78
29	6	0.03	-2.66	-20324.7	-9.12
	7	0.03	3.47	-21749.1	2.86
30	6	0.03	1.60	-18662.4	-3.97
	7	0.03	-2.22	-25341.8	11.64
31	6	0.02	3.91	-11545.7	-2.32
	7	0.03	-5.43	-22221.7	11.68
32	6	0.02	5.00	-13663.7	-0.54
	7	0.03	-6.84	-25212.7	15.86
33	6	0.03	0.96	-27384.6	-3.18
	7	0.03	-1.21	-31719.4	16.78
34	6	0.03	3.41	-22192.3	-1.00
	7	0.03	-4.57	-30326.9	18.60
35	6	0.03	0.31	-20589.5	-4.41
	7	0.03	-0.46	-25278.1	10.10
36	6	0.03	0.57	-19478.1	-3.58
	7	0.03	-0.79	-24411.8	9.65
37	6	0.03	0.53	-20141.6	-3.23
	7	0.03	-0.72	-27081.5	12.70
38	6	0.03	-0.01	-20307.4	-3.92
	7	0.03	-0.04	-24610.6	9.33
39	6	0.03	0.01	-19649.3	-4.33
	7	0.03	-0.11	-22327.8	6.83
40	6	0.03	-1.80	-26541.2	-5.12
	7	0.03	3.15	-25344.3	6.08
41	6	0.02	2.30	-13299.8	-2.41
	7	0.03	-3.91	-23692.3	12.87
42	6	0.03	0.37	-21258.5	-5.06
	7	0.03	-0.55	-26038.0	10.73
43	6	0.03	-4.39	-29134.4	-9.65
	7	0.03	5.96	-27086.1	5.72

44	6	0.04	-3.31	-31306.5	-7.98
	7	0.03	4.53	-29798.1	9.49
45	6	0.03	-2.69	-20327.0	-8.96
	7	0.03	3.57	-22239.3	3.50
46	6	0.02	-0.16	-14949.8	-6.71
	7	0.03	0.10	-20796.8	5.37
47	6	0.02	4.06	-11210.5	-2.14
	7	0.03	-5.62	-22277.9	11.97
48	6	0.02	5.14	-13382.6	-0.47
	7	0.03	-7.05	-24989.9	15.74
49	6	0.03	0.91	-27567.2	-3.41
	7	0.03	-1.20	-31279.2	16.09
50	6	0.03	3.44	-22190.1	-1.16
	7	0.03	-4.67	-29836.7	17.96
51	6	0.03	-3.61	-28073.5	-7.49
	7	0.03	4.90	-25363.6	5.40
52	6	0.03	-2.74	-26320.8	-6.14
	7	0.03	3.74	-27564.9	8.47
53	6	0.03	-2.23	-25024.5	-6.94
	7	0.03	2.95	-21433.2	3.59
54	6	0.03	-0.17	-20658.6	-5.11
	7	0.03	0.13	-20265.6	5.11
55	6	0.02	3.25	-13520.2	-1.39
	7	0.03	-4.50	-21471.7	10.48
56	6	0.02	4.12	-11767.6	-0.04
	7	0.03	-5.65	-23673.0	13.56
57	6	0.03	0.67	-19182.5	-2.42
	7	0.03	-0.89	-28770.9	13.84
58	6	0.03	2.73	-14816.5	-0.59
	7	0.03	-3.71	-27603.4	15.37
1	7	0.04	1.36	-18833.8	-11.92
	18	0.06	-1.91	-28841.2	2.80
2	7	0.04	2.13	-23188.3	-14.20
	18	0.06	-2.89	-33759.0	2.83
3	7	0.04	5.45	-23230.1	-4.42
	18	0.07	-3.24	-42793.5	-1.33
4	7	0.04	5.97	-22685.2	-2.01
	18	0.07	-3.76	-45857.6	7.12
5	7	0.04	5.45	-23683.9	-3.78
	18	0.07	-2.81	-44692.5	-0.39
6	7	0.04	4.97	-24448.4	-6.09
	18	0.08	-2.37	-42447.3	-7.59
7	7	0.04	-1.16	-22658.8	-24.68
	18	0.05	-3.02	-22662.2	5.96
8	7	0.04	-0.64	-22113.9	-22.26
	18	0.05	-3.53	-25726.3	14.41
9	7	0.04	-1.16	-23112.6	-24.04
	18	0.06	-2.58	-24561.2	6.89
10	7	0.04	-1.65	-23877.1	-26.35
	18	0.06	-2.14	-22316.0	-0.30
11	7	0.04	5.07	-20890.3	-3.52
	18	0.07	-2.92	-39647.1	-1.68
12	7	0.04	-1.54	-20319.0	-23.77
	18	0.05	-2.69	-19515.8	5.60
13	7	0.04	5.94	-19982.1	0.51
	18	0.07	-3.78	-44753.9	12.40
14	7	0.04	-0.67	-19410.9	-19.74
	18	0.05	-3.55	-24622.6	19.69

15	7	0.04	5.07	-21646.6	-2.45
	18	0.07	-2.20	-42812.1	-0.13
16	7	0.04	-1.54	-21075.4	-22.70
	18	0.05	-1.97	-22680.8	7.16
17	7	0.04	4.26	-22920.8	-6.29
	18	0.08	-1.46	-39070.1	-12.12
18	7	0.04	-2.35	-22349.5	-26.55
	18	0.06	-1.23	-18938.8	-4.83
19	7	0.04	7.27	-21243.3	3.47
	18	0.08	-2.83	-47045.0	-3.77
20	7	0.04	-3.75	-20291.1	-30.29
	18	0.05	-2.45	-13492.8	8.37
21	7	0.04	7.79	-20698.4	5.88
	18	0.08	-3.35	-50109.1	4.68
22	7	0.04	-3.23	-19746.3	-27.87
	18	0.05	-2.97	-16556.9	16.82
23	7	0.04	7.27	-21697.1	4.11
	18	0.08	-2.40	-48944.0	-2.84
24	7	0.04	-3.75	-20745.0	-29.65
	18	0.05	-2.02	-15391.8	9.31
25	7	0.04	6.78	-22461.6	1.80
	18	0.08	-1.95	-46698.8	-10.03
26	7	0.04	-4.24	-21509.4	-31.95
	18	0.05	-1.57	-13146.6	2.11
27	7	0.03	3.11	-22637.9	-9.71
	18	0.05	-0.66	-35374.4	2.69
28	7	0.03	4.38	-20090.4	-7.28
	18	0.05	-1.75	-33021.8	9.50
29	7	0.03	0.06	-23392.9	-14.61
	18	0.06	0.08	-31305.9	-8.08
30	7	0.03	0.83	-17246.7	-12.32
	18	0.04	-2.19	-21545.0	0.86
31	7	0.03	-1.37	-16303.4	-15.59
	18	0.04	-2.17	-15908.1	-5.36
32	7	0.03	-0.10	-13755.9	-13.16
	18	0.04	-3.26	-13555.5	1.45
33	7	0.03	4.30	-14901.3	-6.49
	18	0.04	-3.54	-23463.9	14.63
34	7	0.03	2.95	-13001.0	-8.26
	18	0.04	-4.00	-17624.0	12.22
35	7	0.03	1.25	-16745.4	-10.67
	18	0.05	-1.63	-22825.7	2.06
36	7	0.03	0.99	-15131.4	-10.14
	18	0.04	-1.47	-20498.9	1.71
37	7	0.03	1.34	-14768.1	-8.53
	18	0.04	-1.81	-22541.7	7.34
38	7	0.03	0.99	-15433.9	-9.72
	18	0.04	-1.18	-21764.9	2.33
39	7	0.03	0.67	-15943.6	-11.25
	18	0.05	-0.88	-20268.1	-2.46
40	7	0.03	3.19	-15484.4	-3.16
	18	0.05	-1.38	-27896.8	-0.38
41	7	0.03	-1.22	-15103.5	-16.66
	18	0.04	-1.23	-14476.0	4.48
42	7	0.03	1.50	-18196.9	-11.43
	18	0.05	-1.96	-24465.0	2.07
43	7	0.03	3.18	-22642.3	-9.50
	18	0.05	-0.64	-35720.1	3.14
44	7	0.03	4.51	-20315.1	-7.31

	18	0.05	-1.74	-33350.1	9.27
45	7	0.03	0.00	-23060.1	-14.19
	18	0.05	0.12	-31436.0	-6.90
46	7	0.03	-1.40	-21091.0	-16.00
	18	0.05	-0.34	-25394.0	-9.38
47	7	0.03	-1.50	-16078.7	-15.56
	18	0.04	-2.17	-15579.8	-5.13
48	7	0.03	-0.17	-13751.5	-13.37
	18	0.04	-3.28	-13209.8	1.00
49	7	0.03	4.41	-15302.8	-6.86
	18	0.04	-3.58	-23536.0	13.53
50	7	0.03	3.01	-13333.7	-8.68
	18	0.04	-4.04	-17493.9	11.05
51	7	0.03	2.35	-18905.8	-8.34
	18	0.05	-0.24	-30343.0	2.92
52	7	0.03	3.40	-17011.4	-6.55
	18	0.05	-1.13	-28409.6	7.90
53	7	0.03	-0.21	-19250.8	-12.15
	18	0.05	0.37	-26865.6	-5.25
54	7	0.03	-1.34	-17652.0	-13.63
	18	0.05	-0.01	-21951.7	-7.27
55	7	0.03	-1.43	-13576.5	-13.27
	18	0.04	-1.49	-13963.2	-3.80
56	7	0.03	-0.37	-11682.1	-11.48
	18	0.04	-2.38	-12029.8	1.18
57	7	0.03	3.31	-12935.9	-6.19
	18	0.04	-2.61	-20421.1	11.37
58	7	0.03	2.18	-11337.1	-7.67
	18	0.04	-2.98	-15507.2	9.35

SOLLECITAZIONI MASSIME NELLE ASTE

Pilastro Sezione numero 3 Rett. pilastro 50x25

Sforzo normale	Min asta 100 177	936.8 [N]	Comb. 18	Max asta 23 129	126547.5 [N]	Comb. 7
Taglio piano 1-2	Min asta 27 70	-25282.1 [N]	Comb. 19	Max asta 24 66	17307.2 [N]	Comb. 22
Taglio piano 1-3	Min asta 100 177	-49870.4 [N]	Comb. 25	Max asta 100 177	50062.9 [N]	Comb. 22
Momento torcente	Min asta 97 168	-3.76 [kNm]	Comb. 46	Max asta 97 168	4.19 [kNm]	Comb. 49
Momento Flet. piano 1-2	Min asta 27 70	-39.58 [kNm]	Comb. 19	Max asta 27 70	41.32 [kNm]	Comb. 19
Momento Flet. piano 1-3	Min asta 6 100	-53.59 [kNm]	Comb. 23	Max asta 6 100	52.77 [kNm]	Comb. 23

Pilastro Sezione numero 4 Rett. pilastro 25x50

Sforzo normale	Min asta 1 95	836.8 [N]	Comb. 51	Max asta 12 116	110647.1 [N]	Comb. 8
Taglio piano 1-2	Min asta 105 193	-65384.8 [N]	Comb. 20	Max asta 105 193	56743.7 [N]	Comb. 23
Taglio piano 1-3	Min asta 95 164	-27855.4 [N]	Comb. 22	Max asta 95 164	24642.7 [N]	Comb. 25
Momento torcente	Min asta 102 181	-4.11 [kNm]	Comb. 46	Max asta 102 181	3.98 [kNm]	Comb. 49
Momento Flet. piano	Min asta 25	-66.97	Comb.	Max asta 25	71.90	Comb.

1-2	105	[kNm]	25	105	[kNm]	22
Momento Flet. piano 1-3	Min asta 17 51	-25.68 [kNm]	Comb. 23	Max asta 18 52	27.16 [kNm]	Comb. 23

Trave Sezione numero 1 Rett. trave c.a. 25x40

Sforzo normale	Min asta 102 103	-139558.1 [N]	Comb. 20	Max asta 102 103	132335.1 [N]	Comb. 23
Taglio piano 1-2	Min asta 128 129	-40459.4 [N]	Comb. 3	Max asta 129 130	44262.9 [N]	Comb. 7
Taglio piano 1-3	Min asta 54 50	-11975.2 [N]	Comb. 26	Max asta 54 50	12107.4 [N]	Comb. 21
Momento torcente	Min asta 163 133	-5.83 [kNm]	Comb. 20	Max asta 49 59	4.20 [kNm]	Comb. 7
Momento Flet. piano 1-2	Min asta 131 132	-32.73 [kNm]	Comb. 7	Max asta 129 130	55.65 [kNm]	Comb. 7
Momento Flet. piano 1-3	Min asta 54 50	-13.06 [kNm]	Comb. 23	Max asta 61 62	12.33 [kNm]	Comb. 19

Trave Sezione numero 2 Rett. trave legno 20x40

Sforzo normale	Min asta 49 28	-7434.9 [N]	Comb. 19	Max asta 49 28	6338.3 [N]	Comb. 24
Taglio piano 1-2	Min asta 49 28	-203.7 [N]	Comb. 23	Max asta 49 28	6162.3 [N]	Comb. 7
Taglio piano 1-3	Min asta 49 28	-518.0 [N]	Comb. 20	Max asta 49 28	524.8 [N]	Comb. 46
Momento torcente	Min asta 49 28	-0.02 [kNm]	Comb. 12	Max asta 49 28	0.02 [kNm]	Comb. 13
Momento Flet. piano 1-2	Min asta 49 28	-0.00 [kNm]	Comb. 41	Max asta 49 28	9.50 [kNm]	Comb. 7
Momento Flet. piano 1-3	Min asta 49 28	-1.01 [kNm]	Comb. 49	Max asta 49 28	1.03 [kNm]	Comb. 46

Trave Sezione numero 3 Rett. trave legno 14x28

Sforzo normale	Min asta 180 181	-72361.4 [N]	Comb. 21	Max asta 181 182	82574.9 [N]	Comb. 20
Taglio piano 1-2	Min asta 174 175	-10082.2 [N]	Comb. 4	Max asta 189 190	10275.8 [N]	Comb. 3
Taglio piano 1-3	Min asta 168 169	-2605.6 [N]	Comb. 22	Max asta 168 169	2393.4 [N]	Comb. 25
Momento torcente	Min asta 178 179	-0.44 [kNm]	Comb. 3	Max asta 165 166	0.50 [kNm]	Comb. 4
Momento Flet. piano 1-2	Min asta 190 191	-5.86 [kNm]	Comb. 3	Max asta 189 190	11.50 [kNm]	Comb. 3
Momento Flet. piano 1-3	Min asta 168 169	-2.33 [kNm]	Comb. 22	Max asta 168 169	2.14 [kNm]	Comb. 25

Trave Sezione numero 4 Rett. trave legno 12x24

Sforzo normale	Min asta 117 80	-17442.2 [N]	Comb. 21	Max asta 80 58	17839.8 [N]	Comb. 26
Taglio piano 1-2	Min asta 157 127	-5133.0 [N]	Comb. 7	Max asta 117 80	5179.1 [N]	Comb. 8
Taglio piano 1-3	Min asta 70 47	-1054.8 [N]	Comb. 23	Max asta 52 36	1060.1 [N]	Comb. 25
Momento torcente	Min asta 156 126	-0.17 [kNm]	Comb. 7	Max asta 158 128	0.17 [kNm]	Comb. 7
Momento Flet. piano 1-2	Min asta 80 58	-5.53 [kNm]	Comb. 8	Max asta 117 80	5.71 [kNm]	Comb. 4
Momento Flet. piano 1-3	Min asta 70 47	-1.44 [kNm]	Comb. 23	Max asta 52 36	1.44 [kNm]	Comb. 25

Trave Sezione numero 5 Rett. trave legno 8x14

Sforzo normale	Min asta 83 84	-22364.1 [N]	Comb. 21	Max asta 153 154	21396.1 [N]	Comb. 26

Taglio piano 1-2	Min asta 71 82	-4871.2 [N]	Comb. 3	Max asta 72 71	4871.2 [N]	Comb. 4
Taglio piano 1-3	Min asta 71 82	-534.7 [N]	Comb. 11	Max asta 72 71	534.7 [N]	Comb. 13
Momento torcente	Min asta 158 159	-0.04 [kNm]	Comb. 7	Max asta 155 156	0.03 [kNm]	Comb. 7
Momento Flet. piano 1-2	Min asta 72 71	-2.45 [kNm]	Comb. 4	Max asta 71 82	0.07 [kNm]	Comb. 38
Momento Flet. piano 1-3	Min asta 72 71	-0.27 [kNm]	Comb. 13	Max asta 79 80	0.21 [kNm]	Comb. 13

Trave Sezione numero 6 Rett. cordolo c.a. 30x30

Sforzo normale	Min asta 103 104	-129039.7 [N]	Comb. 20	Max asta 103 104	129465.7 [N]	Comb. 23
Taglio piano 1-2	Min asta 95 101	-6762.7 [N]	Comb. 45	Max asta 95 101	5865.1 [N]	Comb. 50
Taglio piano 1-3	Min asta 95 101	-5423.6 [N]	Comb. 23	Max asta 95 101	5353.1 [N]	Comb. 20
Momento torcente	Min asta 95 101	-1.75 [kNm]	Comb. 22	Max asta 95 101	1.31 [kNm]	Comb. 23
Momento Flet. piano 1-2	Min asta 95 101	-11.17 [kNm]	Comb. 45	Max asta 95 101	10.47 [kNm]	Comb. 45
Momento Flet. piano 1-3	Min asta 95 101	-9.41 [kNm]	Comb. 23	Max asta 95 101	9.46 [kNm]	Comb. 20

Biella Sezione numero 1 Rett. biella collegamento

Sforzo normale	Min asta 23 26	-2039579.7 [N]	Comb. 20	Max asta 23 26	2039579.7 [N]	Comb. 19
Taglio piano 1-2	Min asta 23 26	-24375.0 [N]	Comb. 1	Max asta 23 26	24375.0 [N]	Comb. 1
Taglio piano 1-3	Min asta 7 12	-0.0 [N]	Comb. 19	Max asta 7 12	0.0 [N]	Comb. 20

- Verifiche pilastri

- Modalità di verifica

I pilastri vengono verificati (a discrezione dell'operatore) secondo le seguenti modalità:

- Presso-tenso flessione deviata.
- Presso-tenso flessione retta. In tale caso viene svolta prima la verifica a presso-tenso flessione considerando come azioni agenti lo sforzo normale ed il momento M_x agente sulla sezione poi, disgiuntamente, considerando come azioni agenti lo sforzo normale e l'altro momento M_y. A discrezione dell'operatore tali momenti (a favore della sicurezza) possono essere incrementati di un fattore di amplificazione anch'esso a discrezione dell'utente.

Per ogni pilastro le veriche vengono svolte sia nella sezione di sommità che in quella di base in tutte le combinazioni di carico.

Nelle stampe vengono quindi riportate per le due sezioni di verifica succitate:

La combinazione di carico, le sollecitazioni (sforzo normale e momenti) che inducono le massime tensioni nel calcestruzzo, nel ferro teso e nel ferro compresso.

Il programma, per ogni sezione, una volta posizionati i ferri d'angolo sulla sezione, introduce lungo i bordi eventuali ferri di completamento così da rispettare l'interasse massimo fra i ferri imposto dall'operatore.

La verifica procede considerando (quanto a diametri) fissi i ferri di bordo, eventualmente introdotti, ed incrementando negli angoli il numero di ferri presenti ovvero il diametro degli stessi.

Tutti gli angoli della sezione vengono armati nella stesso modo sia quanto a diametro dei ferri presenti che quanto a numero di ferri.

Si noti che in ottemperanza a quanto prescritto nel punto **3.1.3** del *D.M. 14 febbraio 1992*, il programma, qualora la tensione media dell'intera sezione superi la tensione ammissibile per compressione semplice, considera tale situazione non verificata benchè possa risultare soddisfatta la verifica a pressoflessione utilizzando la sigma massima del calcestruzzo impiegato.

- Sezioni Impiegate:

Sezione Numero	Info	Dimensioni	Criterio	Calces.	f_{cd} [MPa]	τ_{rd} [MPa]	σ_{RARE} [MPa]	σ_{FREQ} [MPa]	σ_{QP} [MPa]	Acciaio	f_{yd} [MPa]	σ_{yRARE} [MPa]	σ_{yFREQ} [MPa]	σ_{yQP} [MPa]	Coprif. [mm]	Verifica
4	Rett. pilastro 25x50	B 250 [mm] H 500 [mm]	Verpil	C25/30	14.17	0.30	15.00	25.00	11.25	B 450 C	391.30	360.00	450.00	450.00	30.0	Deviata
3	Rett. pilastro 50x25	B 500 [mm] H 250 [mm]	Verpil	C25/30	14.17	0.30	15.00	25.00	11.25	B 450 C	391.30	360.00	450.00	450.00	30.0	Deviata

- Verifiche Pilastri:

Fattore di sovraresistenza $\gamma_{R,d}$=1.10

EC2. 4.3.2.4.4. Verifica a taglio con il metodo dell'inclinazione variabile del traliccio. cotg θ = 1.00

- Pilastro: 1/95 / L 4.00[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 4000.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
1	21	-60801.3	43.37	3.86	1.00	1.00	0.27
95	21	-43462.5	-33.74	-3.31	1.00	1.00	0.22

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.00	4.00	98896.4	215256.3	46122.4	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
1	Ft. 40	-34433.7	16.10	1.44	42.98
	Fc. 40	-34433.7	16.10	1.44	-26.59
	ClsMax 40	-34433.7	16.10	1.44	-2.41
	ClsMed 40	-34433.7	16.10	1.44	-0.98
95	Ft. 40	-21096.2	-12.78	-1.08	37.67
	Fc. 40	-21096.2	-12.78	-1.08	-20.52

	ClsMax 40	-21096.2	-12.78	-1.08	-1.89
	ClsMed 40	-21096.2	-12.78	-1.08	-0.77
Combinazioni Quasi Permanenti					
1	Ft. 42	-51942.2	1.60	-0.11	-3.60
	Fc. 42	-51942.2	1.60	-0.11	-6.85
	ClsMax 42	-51942.2	1.60	-0.11	-0.49
	ClsMed 42	-51942.2	1.60	-0.11	-0.35
95	Ft. 42	-38604.7	-1.53	0.67	-1.46
	Fc. 42	-38604.7	-1.53	0.67	-6.31
	ClsMax 42	-38604.7	-1.53	0.67	-0.48
	ClsMed 42	-38604.7	-1.53	0.67	-0.26

- Pilastro: 95/164 / L 0.83[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/50.0' x 833.1**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
95	13	-97700.1	32.37	1.35	1.00	1.00	0.17
164	31	-50961.8	4.25	-13.13	1.00	1.00	0.18

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.00	0.83	505912.4	561442.2	216518.2	232932.2	ø 8/50.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
Combinazioni Frequenti					
95	Ft. 37	-55597.6	9.51	1.40	10.35
	Fc. 37	-55597.6	9.51	1.40	-18.38
	ClsMax 37	-55597.6	9.51	1.40	-1.52
	ClsMed 37	-55597.6	9.51	1.40	-0.61
164	Ft. 37	-42260.1	-8.76	-2.97	20.09
	Fc. 37	-42260.1	-8.76	-2.97	-21.08
	ClsMax 37	-42260.1	-8.76	-2.97	-1.90
	ClsMed 37	-42260.1	-8.76	-2.97	-0.64
Combinazioni Quasi Permanenti					
95	Ft. 42	-66020.4	1.06	1.54	-3.29
	Fc. 42	-66020.4	1.06	1.54	-9.99
	ClsMax 42	-66020.4	1.06	1.54	-0.77
	ClsMed 42	-66020.4	1.06	1.54	-0.44
164	Ft. 42	-52682.9	-2.31	-3.60	5.20
	Fc. 42	-52682.9	-2.31	-3.60	-14.04
	ClsMax 42	-52682.9	-2.31	-3.60	-1.24
	ClsMed 42	-52682.9	-2.31	-3.60	-0.52

- Pilastro: 2/96 / L 3.70[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 3700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
2	13	-92588.8	27.17	-10.23	1.00	1.00	0.43
96	13	-75250.1	-22.92	13.90	1.00	1.00	0.38

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	4.00	44446.3	97243.0	76293.5	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Frequenti				
2	Ft. 37	-54718.6	8.88	-1.47	44.22
	Fc. 37	-54718.6	8.88	-1.47	-24.91
	ClsMax 37	-54718.6	8.88	-1.47	-2.89
	ClsMed 37	-54718.6	8.88	-1.47	-1.34
96	Ft. 37	-41381.1	-8.22	3.22	51.79
	Fc. 37	-41381.1	-8.22	3.22	-25.62
	ClsMax 37	-41381.1	-8.22	3.22	-3.01
	ClsMed 37	-41381.1	-8.22	3.22	-1.26
	Combinazioni Quasi Permanenti				
2	Ft. 42	-64721.4	0.66	-2.16	-3.58
	Fc. 42	-64721.4	0.66	-2.16	-9.86
	ClsMax 42	-64721.4	0.66	-2.16	-0.73
	ClsMed 42	-64721.4	0.66	-2.16	-0.45
96	Ft. 42	-51383.9	-1.99	4.43	3.25
	Fc. 42	-51383.9	-1.99	4.43	-13.37
	ClsMax 42	-51383.9	-1.99	4.43	-1.09
	ClsMed 42	-51383.9	-1.99	4.43	-0.42

- Pilastro: 96/165 / L 0.90[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8 4br./80.0' x 896.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
96	21	-49700.3	27.08	11.81	1.00	1.00	0.49
165	21	-33450.3	-22.81	-6.82	1.00	1.00	0.43

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.00	0.90	177663.7	182330.5	302417.7	363460.5	ø 8 4br./80.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
96	Ft. 40	-32578.5	10.21	4.66	80.75
	Fc. 40	-32578.5	10.21	4.66	-31.00
	ClsMax 40	-32578.5	10.21	4.66	-3.93
	ClsMed 40	-32578.5	10.21	4.66	-1.59
165	Ft. 40	-20078.5	-9.78	-2.83	82.57
	Fc. 40	-20078.5	-9.78	-2.83	-24.74
	ClsMax 40	-20078.5	-9.78	-2.83	-3.52
	ClsMed 40	-20078.5	-9.78	-2.83	-1.51
		Combinazioni Quasi Permanenti			
96	Ft. 42	-37349.5	1.32	0.47	-1.32
	Fc. 42	-37349.5	1.32	0.47	-6.43
	ClsMax 42	-37349.5	1.32	0.47	-0.51
	ClsMed 42	-37349.5	1.32	0.47	-0.26
165	Ft. 42	-24849.5	-3.51	-0.81	15.67
	Fc. 42	-24849.5	-3.51	-0.81	-10.57
	ClsMax 42	-24849.5	-3.51	-0.81	-1.16
	ClsMed 42	-24849.5	-3.51	-0.81	-0.52

- Pilastro: 3/97 / L 3.70[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 3700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
3	24	-7425.3	12.03	4.70	1.00	1.00	0.24
97	19	-26236.7	-5.21	-13.88	1.00	1.00	0.14

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	4.00	38019.9	97243.0	99574.4	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
3	Ft. 41	-7514.4	6.59	1.37	59.32
	Fc. 41	-7514.4	6.59	1.37	-14.53
	ClsMax 41	-7514.4	6.59	1.37	-2.28
	ClsMed 41	-7514.4	6.59	1.37	-1.02
97	Ft. 40	-9561.5	-1.41	-5.43	24.35
	Fc. 40	-9561.5	-1.41	-5.43	-12.88
	ClsMax 40	-9561.5	-1.41	-5.43	-1.25
	ClsMed 40	-9561.5	-1.41	-5.43	-0.42
		Combinazioni Quasi Permanenti			

3	Ft. 42	-16566.6	2.68	-0.73	13.89
	Fc. 42	-16566.6	2.68	-0.73	-8.05
	ClsMax 42	-16566.6	2.68	-0.73	-0.92
	ClsMed 42	-16566.6	2.68	-0.73	-0.40
97	Ft. 42	-13329.1	-2.91	-1.11	19.31
	Fc. 42	-13329.1	-2.91	-1.11	-8.88
	ClsMax 42	-13329.1	-2.91	-1.11	-1.07
	ClsMed 42	-13329.1	-2.91	-1.11	-0.45

- Pilastro: 97/168 / L 0.90[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8 4br.x2br./50.0' x 896.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
97	19	-79618.3	7.43	41.37	1.00	1.00	0.32
168	19	-62279.5	-9.20	-32.31	1.00	1.00	0.28

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.00	0.90	166921.1	291728.9	371269.7	382884.4	ø 8 4br.x2br./50.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Frequenti				
97	Ft. 40	-41819.6	2.66	15.50	50.81
	Fc. 40	-41819.6	2.66	15.50	-32.78
	ClsMax 40	-41819.6	2.66	15.50	-3.00
	ClsMed 40	-41819.6	2.66	15.50	-1.10
168	Ft. 40	-28482.1	-3.22	-12.46	50.38
	Fc. 40	-28482.1	-3.22	-12.46	-29.62
	ClsMax 40	-28482.1	-3.22	-12.46	-2.83
	ClsMed 40	-28482.1	-3.22	-12.46	-0.96
	Combinazioni Quasi Permanenti				
97	Ft. 42	-65495.7	1.64	1.73	-2.52
	Fc. 42	-65495.7	1.64	1.73	-11.09
	ClsMax 42	-65495.7	1.64	1.73	-0.86
	ClsMed 42	-65495.7	1.64	1.73	-0.45
168	Ft. 42	-52158.2	-3.17	-2.30	3.63
	Fc. 42	-52158.2	-3.17	-2.30	-13.46
	ClsMax 42	-52158.2	-3.17	-2.30	-1.16
	ClsMed 42	-52158.2	-3.17	-2.30	-0.47

- Pilastro: 4/98 / L 3.70[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 3700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
4	33	-67377.5	40.84	1.39	1.00	1.00	0.74
98	34	-55842.7	-29.40	-8.33	1.00	1.00	0.53

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	4.00	45687.3	97243.0	54356.9	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Frequenti				
4	Ft. 40	-50457.3	11.96	3.51	80.19
	Fc. 40	-50457.3	11.96	3.51	-33.86
	ClsMax 40	-50457.3	11.96	3.51	-4.23
	ClsMed 40	-50457.3	11.96	3.51	-1.83
98	Ft. 40	-40457.3	-8.52	-2.19	53.01
	Fc. 40	-40457.3	-8.52	-2.19	-24.06
	ClsMax 40	-40457.3	-8.52	-2.19	-2.95
	ClsMed 40	-40457.3	-8.52	-2.19	-1.30
	Combinazioni Quasi Permanenti				
4	Ft. 42	-70793.3	4.50	0.20	1.61
	Fc. 42	-70793.3	4.50	0.20	-15.11
	ClsMax 42	-70793.3	4.50	0.20	-1.32
	ClsMed 42	-70793.3	4.50	0.20	-0.65
98	Ft. 42	-60793.3	-4.78	1.53	7.76
	Fc. 42	-60793.3	-4.78	1.53	-16.81
	ClsMax 42	-60793.3	-4.78	1.53	-1.53
	ClsMed 42	-60793.3	-4.78	1.53	-0.68

- Pilastro: 98/171 / L 0.90[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8 4br./80.0' x 896.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
98	14	-76605.7	34.40	6.89	1.00	1.00	0.60
171	17	-34308.6	14.59	-0.96	1.00	1.00	0.25

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.00	0.90	154808.6	182330.5	332737.5	363460.5	ø 8 4br./80.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N	Mx	My	σ

		[N]	[kNm]	[kNm]	[MPa]
		Combinazioni Frequenti			
98	Ft. 37	-41956.8	12.84	2.03	91.87
	Fc. 37	-41956.8	12.84	2.03	-31.17
	ClsMax 37	-41956.8	12.84	2.03	-4.28
	ClsMed 37	-41956.8	12.84	2.03	-1.97
171	Ft. 39	-20481.7	6.37	-1.97	48.02
	Fc. 39	-20481.7	6.37	-1.97	-17.44
	ClsMax 39	-20481.7	6.37	-1.97	-2.29
	ClsMed 39	-20481.7	6.37	-1.97	-0.98
		Combinazioni Quasi Permanenti			
98	Ft. 42	-52324.2	2.54	2.20	1.32
	Fc. 42	-52324.2	2.54	2.20	-11.90
	ClsMax 42	-52324.2	2.54	2.20	-0.99
	ClsMed 42	-52324.2	2.54	2.20	-0.41
171	Ft. 42	-42324.2	4.13	-4.88	19.00
	Fc. 42	-42324.2	4.13	-4.88	-19.61
	ClsMax 42	-42324.2	4.13	-4.88	-1.85
	ClsMed 42	-42324.2	4.13	-4.88	-0.66

- Pilastro: 5/99 / L 3.70[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 3700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
5	14	-79820.7	38.43	9.21	1.00	1.00	0.68
99	25	-34592.8	16.26	23.19	1.00	1.00	0.35

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	4.00	45352.1	97243.0	76071.9	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
5	Ft. 37	-42221.5	12.27	-1.54	85.15
	Fc. 41	-37680.9	8.41	6.81	-32.54
	ClsMax 37	-42221.5	12.27	-1.54	-4.02
	ClsMed 37	-42221.5	12.27	-1.54	-1.88
99	Ft. 40	-23286.8	5.45	10.32	61.52
	Fc. 40	-23286.8	5.45	10.32	-32.08
	ClsMax 40	-23286.8	5.45	10.32	-3.35
	ClsMed 40	-23286.8	5.45	10.32	-1.12
		Combinazioni Quasi Permanenti			
5	Ft. 42	-52750.8	2.35	-2.35	0.96
	Fc. 42	-52750.8	2.35	-2.35	-11.72
	ClsMax 42	-52750.8	2.35	-2.35	-0.96

	ClsMed 42	-52750.8	2.35	-2.35	-0.40
99	Ft. 42	-42750.8	4.01	4.95	17.96
	Fc. 42	-42750.8	4.01	4.95	-19.37
	ClsMax 42	-42750.8	4.01	4.95	-1.81
	ClsMed 42	-42750.8	4.01	4.95	-0.64

- Pilastro: 99/175 / L 0.90[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8 4br./80.0' x 896.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
99	22	-18443.3	18.88	23.15	1.00	1.00	0.42
175	25	-26116.1	9.73	22.43	1.00	1.00	0.25

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.00	0.90	146990.4	182330.5	304403.6	363460.5	ø 8 4br./80.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
99	Ft. 41	-15217.4	5.31	9.04	62.97
	Fc. 41	-15217.4	5.31	9.04	-29.06
	ClsMax 41	-15217.4	5.31	9.04	-3.17
	ClsMed 37	-20162.9	7.23	-0.70	-1.11
175	Ft. 40	-13912.8	3.72	9.32	52.59
	Fc. 40	-13912.8	3.72	9.32	-25.83
	ClsMax 40	-13912.8	3.72	9.32	-2.66
	ClsMed 40	-13912.8	3.72	9.32	-0.89
		Combinazioni Quasi Permanenti			
99	Ft. 42	-23338.8	2.19	-1.13	6.36
	Fc. 42	-23338.8	2.19	-1.13	-8.14
	ClsMax 42	-23338.8	2.19	-1.13	-0.77
	ClsMed 42	-23338.8	2.19	-1.13	-0.32
175	Ft. 42	-13338.8	2.95	1.52	20.64
	Fc. 42	-13338.8	2.95	1.52	-9.76
	ClsMax 42	-13338.8	2.95	1.52	-1.15
	ClsMed 42	-13338.8	2.95	1.52	-0.46

- Pilastro: 6/100 / L 3.70[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 3700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr

6	29	-38634.1	-23.52	-2.75	1.00	1.00	0.43
100	29	-26134.1	15.57	1.50	1.00	1.00	0.28

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	4.00	39411.1	97243.0	77645.3	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
6	Ft. 40	-31852.8	-4.94	2.74	27.71
	Fc. 40	-31852.8	-4.94	2.74	-17.50
	ClsMax 40	-31852.8	-4.94	2.74	-1.90
	ClsMed 40	-31852.8	-4.94	2.74	-0.76
100	Ft. 40	-19352.8	5.62	-1.82	41.54
	Fc. 40	-19352.8	5.62	-1.82	-15.71
	ClsMax 40	-19352.8	5.62	-1.82	-2.03
	ClsMed 40	-19352.8	5.62	-1.82	-0.87
		Combinazioni Quasi Permanenti			
6	Ft. 42	-38509.3	-1.38	0.55	-1.28
	Fc. 42	-38509.3	-1.38	0.55	-6.72
	ClsMax 42	-38509.3	-1.38	0.55	-0.54
	ClsMed 42	-38509.3	-1.38	0.55	-0.27
100	Ft. 42	-26009.3	3.06	-0.82	11.06
	Fc. 42	-26009.3	3.06	-0.82	-9.76
	ClsMax 42	-26009.3	3.06	-0.82	-1.01
	ClsMed 42	-26009.3	3.06	-0.82	-0.45

- Pilastro: 100/177 / L 0.90[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8 4br./80.0' x 896.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
100	24	-10950.1	-9.01	4.40	1.00	1.00	0.17
177	19	-25635.6	0.88	-8.54	1.00	1.00	0.05

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.00	0.90	158246.6	182330.5	289149.4	363460.5	ø 8 4br./80.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			

100	Ft. 41	-9398.7	-5.54	1.02	47.02
	Fc. 41	-9398.7	-5.54	1.02	-12.43
	ClsMax 41	-9398.7	-5.54	1.02	-1.89
	ClsMed 41	-9398.7	-5.54	1.02	-0.85
177	Ft. 40	-8840.9	0.34	-2.90	8.09
	Fc. 40	-8840.9	0.34	-2.90	-5.68
	ClsMax 40	-8840.9	0.34	-2.90	-0.50
	ClsMed 40	-8840.9	0.34	-2.90	-0.20
Combinazioni Quasi Permanenti					
100	Ft. 42	-18013.5	-4.08	-0.87	25.97
	Fc. 42	-18013.5	-4.08	-0.87	-10.98
	ClsMax 42	-18013.5	-4.08	-0.87	-1.38
	ClsMed 42	-18013.5	-4.08	-0.87	-0.62
177	Ft. 42	-14776.0	0.17	-1.17	-0.13
	Fc. 42	-14776.0	0.17	-1.17	-2.94
	ClsMax 42	-14776.0	0.17	-1.17	-0.22
	ClsMed 42	-14776.0	0.17	-1.17	-0.10

- Pilastro: 7/118 / L 4.02[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 4018.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
7	26	-23908.6	-60.67	-20.20	1.00	1.00	0.56
118	21	-16655.6	-54.82	-19.12	1.00	1.00	0.52

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.13	4.14	93976.7	215256.3	46287.2	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
Combinazioni Frequenti					
7	Ft. 41	-19397.1	-23.75	-8.31	115.76
	Fc. 41	-19397.1	-23.75	-8.31	-55.79
	ClsMax 41	-19397.1	-23.75	-8.31	-5.82
	ClsMed 41	-19397.1	-23.75	-8.31	-1.94
118	Ft. 41	-6897.1	20.45	8.12	113.38
	Fc. 40	-9146.5	-21.85	-7.38	-50.15
	ClsMax 41	-6897.1	20.45	8.12	-5.40
	ClsMed 41	-6897.1	20.45	8.12	-1.80
Combinazioni Quasi Permanenti					
7	Ft. 42	-22683.2	0.51	-0.60	-0.89
	Fc. 42	-22683.2	0.51	-0.60	-3.67
	ClsMax 42	-22683.2	0.51	-0.60	-0.29
	ClsMed 42	-22683.2	0.51	-0.60	-0.15
118	Ft. 42	-10183.2	-1.40	0.24	1.04
	Fc. 42	-10183.2	-1.40	0.24	-2.86
	ClsMax 42	-10183.2	-1.40	0.24	-0.23

	ClsMed 42	-10183.2	-1.40	0.24	-0.09

- Pilastro: 8/101 / L 3.80[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 3800.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
8	32	-74201.4	-1.09	23.67	1.41	1.00	0.32
101	32	-60863.9	1.09	-19.93	1.00	1.00	0.27

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.20	4.00	92357.5	215256.3	50039.2	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
	Combinazioni Frequenti				
8	Ft. 36	-60339.1	-0.12	6.77	18.49
	Fc. 36	-60339.1	-0.12	6.77	-18.49
	ClsMax 36	-60339.1	-0.12	6.77	-1.95
	ClsMed 36	-60339.1	-0.12	6.77	-0.97
101	Ft. 36	-47001.6	0.37	-6.52	24.05
	Fc. 36	-47001.6	0.37	-6.52	-17.19
	ClsMax 36	-47001.6	0.37	-6.52	-1.93
	ClsMed 36	-47001.6	0.37	-6.52	-0.94
	Combinazioni Quasi Permanenti				
8	Ft. 42	-72065.1	-0.19	0.84	-5.76
	Fc. 42	-72065.1	-0.19	0.84	-8.73
	ClsMax 42	-72065.1	-0.19	0.84	-0.64
	ClsMed 42	-72065.1	-0.19	0.84	-0.48
101	Ft. 42	-58727.6	0.54	-2.14	-2.10
	Fc. 42	-58727.6	0.54	-2.14	-9.71
	ClsMax 42	-58727.6	0.54	-2.14	-0.78
	ClsMed 42	-58727.6	0.54	-2.14	-0.39

- Pilastro: 101/178 / L 0.90[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 10/50.0' x 896.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
101	32	-51223.7	-0.62	28.39	1.00	1.00	0.43
178	27	-55218.2	-0.15	18.91	1.00	1.00	0.26

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.00	0.90	355059.2	363460.5	178392.6	227913.2	ø 10/50.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
101	Ft. 36	-46420.7	-0.37	9.32	46.30
	Fc. 36	-46420.7	-0.37	9.32	-22.08
	ClsMax 36	-46420.7	-0.37	9.32	-2.78
	ClsMed 36	-46420.7	-0.37	9.32	-1.37
178	Ft. 38	-22639.8	-0.12	5.77	32.35
	Fc. 40	-28179.8	3.14	4.82	-16.73
	ClsMax 40	-28179.8	3.14	4.82	-1.84
	ClsMed 38	-22639.8	-0.12	5.77	-0.85
		Combinazioni Quasi Permanenti			
101	Ft. 42	-58220.9	-0.15	2.07	-2.51
	Fc. 42	-58220.9	-0.15	2.07	-9.20
	ClsMax 42	-58220.9	-0.15	2.07	-0.74
	ClsMed 42	-58220.9	-0.15	2.07	-0.39
178	Ft. 42	-48220.9	0.25	4.80	10.75
	Fc. 42	-48220.9	0.25	4.80	-13.77
	ClsMax 42	-48220.9	0.25	4.80	-1.39
	ClsMed 42	-48220.9	0.25	4.80	-0.68

- Pilastro: 9/48 / L 2.90[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 2900.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
9	21	-80652.8	15.09	29.30	1.00	1.00	0.32
48	21	-67652.8	-6.92	-13.89	1.00	1.00	0.14

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	3.20	54536.1	97243.0	108852.0	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
9	Ft. 40	-45847.0	5.90	11.31	50.11
	Fc. 40	-45847.0	5.90	11.31	-35.33
	ClsMax 40	-45847.0	5.90	11.31	-3.45
	ClsMed 40	-45847.0	5.90	11.31	-1.15
48	Ft. 40	-35847.0	-2.85	-5.44	15.10

	Fc. 40	-35847.0	-2.85	-5.44	-16.90
	ClsMax 40	-35847.0	-2.85	-5.44	-1.53
	ClsMed 40	-35847.0	-2.85	-5.44	-0.52
Combinazioni Quasi Permanenti					
9	Ft. 42	-57874.3	1.15	1.43	-2.80
	Fc. 42	-57874.3	1.15	1.43	-9.22
	ClsMax 42	-57874.3	1.15	1.43	-0.70
	ClsMed 42	-57874.3	1.15	1.43	-0.40
48	Ft. 42	-47874.3	-0.86	-2.94	-0.75
	Fc. 42	-47874.3	-0.86	-2.94	-9.19
	ClsMax 42	-47874.3	-0.86	-2.94	-0.71
	ClsMed 42	-47874.3	-0.86	-2.94	-0.33

- Pilastro: 48/106 / L 0.87[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8 4br.x2br./50.0' x 865.1**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
48	21	-67652.8	-6.92	-13.89	1.00	1.00	0.14
106	21	-63314.0	-14.27	-28.30	1.00	1.00	0.32

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.00	0.87	176295.2	291728.9	383332.9	392884.4	ø 8 4br.x2br./50.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
Combinazioni Frequenti					
48	Ft. 40	-35847.0	-2.85	-5.44	15.10
	Fc. 40	-35847.0	-2.85	-5.44	-16.90
	ClsMax 40	-35847.0	-2.85	-5.44	-1.53
	ClsMed 40	-35847.0	-2.85	-5.44	-0.52
106	Ft. 40	-32509.5	-5.78	-11.03	58.84
	Fc. 40	-32509.5	-5.78	-11.03	-34.39
	ClsMax 40	-32509.5	-5.78	-11.03	-3.49
	ClsMed 40	-32509.5	-5.78	-11.03	-1.16
Combinazioni Quasi Permanenti					
48	Ft. 42	-47874.3	-0.86	-2.94	-0.75
	Fc. 42	-47874.3	-0.86	-2.94	-9.19
	ClsMax 42	-47874.3	-0.86	-2.94	-0.71
	ClsMed 42	-47874.3	-0.86	-2.94	-0.33
106	Ft. 42	-44536.8	-1.53	-4.39	3.20
	Fc. 42	-44536.8	-1.53	-4.39	-11.89
	ClsMax 42	-44536.8	-1.53	-4.39	-0.97
	ClsMed 42	-44536.8	-1.53	-4.39	-0.37

- Pilastro: 10/109 / L 4.02[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 4018.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
10	25	-8543.5	-47.81	-20.23	1.00	1.00	0.50
109	22	-14454.9	-7.16	-10.21	1.00	1.00	0.17

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.13	4.14	48694.3	215256.3	35790.8	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
10	Ft. 40	-7307.2	-19.30	-8.09	109.35
	Fc. 40	-7307.2	-19.30	-8.09	-48.01
	ClsMax 40	-7307.2	-19.30	-8.09	-5.24
	ClsMed 40	-7307.2	-19.30	-8.09	-1.75
109	Ft. 41	-7518.2	-2.97	-4.02	33.94
	Fc. 41	-7518.2	-2.97	-4.02	-13.08
	ClsMax 41	-7518.2	-2.97	-4.02	-1.65
	ClsMed 41	-7518.2	-2.97	-4.02	-0.62
		Combinazioni Quasi Permanenti			
10	Ft. 42	-11362.6	-2.09	-0.68	4.08
	Fc. 42	-11362.6	-2.09	-0.68	-4.97
	ClsMax 42	-11362.6	-2.09	-0.68	-0.44
	ClsMed 42	-11362.6	-2.09	-0.68	-0.15
109	Ft. 42	-8125.1	-2.46	-2.13	17.09
	Fc. 42	-8125.1	-2.46	-2.13	-8.82
	ClsMax 42	-8125.1	-2.46	-2.13	-0.98
	ClsMed 42	-8125.1	-2.46	-2.13	-0.34

- Pilastro: 11/112 / L 4.02[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 4018.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
11	26	-23368.9	-9.92	-48.18	1.00	1.00	0.82
112	26	-7118.9	4.55	41.47	1.00	1.00	0.72

- Verifiche a Taglio

Da	A	Vdx	Vrx	Vdy	Vry	Staffe

[m]	[m]	[N]	[N]	[N]	[N]	
0.13	4.14	66083.1	215256.3	40846.0	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
11	Ft. 41	-18304.7	-3.40	-19.19	151.16
	Fc. 41	-18304.7	-3.40	-19.19	-40.11
	ClsMax 41	-18304.7	-3.40	-19.19	-6.23
	ClsMed 41	-18304.7	-3.40	-19.19	-2.85
112	Ft. 41	-5804.7	1.54	16.46	133.63
	Fc. 40	-7763.6	-2.32	-16.28	-31.74
	ClsMax 40	-7763.6	-2.32	-16.28	-5.19
	ClsMed 41	-5804.7	1.54	16.46	-2.43
		Combinazioni Quasi Permanenti			
11	Ft. 42	-23724.2	0.76	-0.39	-1.08
	Fc. 42	-23724.2	0.76	-0.39	-3.69
	ClsMax 42	-23724.2	0.76	-0.39	-0.28
	ClsMed 42	-23724.2	0.76	-0.39	-0.16
112	Ft. 42	-11224.2	-0.86	-0.44	0.49
	Fc. 42	-11224.2	-0.86	-0.44	-2.67
	ClsMax 42	-11224.2	-0.86	-0.44	-0.22
	ClsMed 42	-11224.2	-0.86	-0.44	-0.09

- Pilastro: 12/116 / L 4.02[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 4018.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
12	25	-10740.1	-4.57	-34.45	1.00	1.00	0.59
116	32	-7267.0	-1.20	-3.81	1.00	1.00	0.06

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.13	4.14	65876.3	215256.3	39311.5	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
12	Ft. 40	-7053.9	-2.07	-14.04	114.04
	Fc. 40	-7053.9	-2.07	-14.04	-27.56
	ClsMax 40	-7053.9	-2.07	-14.04	-4.49
	ClsMed 40	-7053.9	-2.07	-14.04	-2.08
116	Ft. 37	-5277.5	-1.00	-1.21	8.34
	Fc. 37	-5277.5	-1.00	-1.21	-4.40

	ClsMax 37	-5277.5	-1.00	-1.21	-0.50
	ClsMed 37	-5277.5	-1.00	-1.21	-0.19
Combinazioni Quasi Permanenti					
12	Ft. 42	-10581.7	-0.86	-1.87	9.93
	Fc. 42	-10581.7	-0.86	-1.87	-5.88
	ClsMax 42	-10581.7	-0.86	-1.87	-0.66
	ClsMed 42	-10581.7	-0.86	-1.87	-0.28
116	Ft. 42	-7344.2	-1.33	-1.62	11.02
	Fc. 42	-7344.2	-1.33	-1.62	-5.91
	ClsMax 42	-7344.2	-1.33	-1.62	-0.67
	ClsMed 42	-7344.2	-1.33	-1.62	-0.25

- Pilastro: 13/102 / L 3.50[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 3500.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
13	27	-26860.5	-60.39	-4.57	4.21	1.00	0.43
102	27	-14360.5	60.39	2.46	7.64	1.00	0.44

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	3.80	99863.4	215256.3	51686.8	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
Combinazioni Frequenti					
13	Ft. 40	-24431.8	-16.55	2.54	55.39
	Fc. 40	-24431.8	-16.55	2.54	-30.01
	ClsMax 40	-24431.8	-16.55	2.54	-2.85
	ClsMed 40	-24431.8	-16.55	2.54	-1.03
102	Ft. 40	-11931.8	12.72	-1.73	45.99
	Fc. 40	-11931.8	12.72	-1.73	-21.91
	ClsMax 40	-11931.8	12.72	-1.73	-2.12
	ClsMed 40	-11931.8	12.72	-1.73	-0.78
Combinazioni Quasi Permanenti					
13	Ft. 42	-30876.6	-0.81	0.67	-1.33
	Fc. 42	-30876.6	-0.81	0.67	-4.89
	ClsMax 42	-30876.6	-0.81	0.67	-0.38
	ClsMed 42	-30876.6	-0.81	0.67	-0.21
102	Ft. 42	-18376.7	1.33	-0.91	1.27
	Fc. 42	-18376.7	1.33	-0.91	-4.71
	ClsMax 42	-18376.7	1.33	-0.91	-0.40
	ClsMed 42	-18376.7	1.33	-0.91	-0.15

- Pilastro: 102/181 / L 0.70[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/50.0' x 696.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
102	28	-14694.7	46.34	1.79	12.04	1.00	0.33
181	19	-25567.2	-0.51	-8.43	1.00	1.00	0.11

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.20	0.90	530406.7	561442.2	182733.7	272932.2	ø 8/50.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
102	Ft. 40	-12088.7	9.72	-1.82	35.49
	Fc. 40	-12088.7	9.72	-1.82	-18.50
	ClsMax 40	-12088.7	9.72	-1.82	-1.79
	ClsMed 40	-12088.7	9.72	-1.82	-0.62
181	Ft. 40	-8851.2	-0.18	-2.89	18.03
	Fc. 36	-12333.4	-0.81	-2.13	-6.44
	ClsMax 40	-8851.2	-0.18	-2.89	-0.88
	ClsMed 40	-8851.2	-0.18	-2.89	-0.43
		Combinazioni Quasi Permanenti			
102	Ft. 42	-18220.7	2.55	-0.98	3.92
	Fc. 42	-18220.7	2.55	-0.98	-6.48
	ClsMax 42	-18220.7	2.55	-0.98	-0.56
	ClsMed 42	-18220.7	2.55	-0.98	-0.20
181	Ft. 42	-14983.2	-1.05	-1.32	3.81
	Fc. 42	-14983.2	-1.05	-1.32	-5.24
	ClsMax 42	-14983.2	-1.05	-1.32	-0.49
	ClsMed 42	-14983.2	-1.05	-1.32	-0.19

- Pilastro: 14/121 / L 4.02[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 4018.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
14	21	-43642.7	13.21	24.75	1.00	1.00	0.30
121	21	-27392.7	-7.34	-19.45	1.00	1.00	0.20

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.13	4.14	37229.4	97243.0	88929.9	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
14	Ft. 40	-24462.8	4.76	9.41	51.64
	Fc. 40	-24462.8	4.76	9.41	-28.86
	ClsMax 40	-24462.8	4.76	9.41	-2.95
	ClsMed 40	-24462.8	4.76	9.41	-0.98
121	Ft. 40	-11962.8	-2.72	-7.44	39.43
	Fc. 40	-11962.8	-2.72	-7.44	-19.98
	ClsMax 40	-11962.8	-2.72	-7.44	-2.02
	ClsMed 40	-11962.8	-2.72	-7.44	-0.67
		Combinazioni Quasi Permanenti			
14	Ft. 42	-27628.1	0.69	0.76	-1.03
	Fc. 42	-27628.1	0.69	0.76	-4.71
	ClsMax 42	-27628.1	0.69	0.76	-0.37
	ClsMed 42	-27628.1	0.69	0.76	-0.19
121	Ft. 42	-15128.1	-0.90	-0.73	1.09
	Fc. 42	-15128.1	-0.90	-0.73	-3.95
	ClsMax 42	-15128.1	-0.90	-0.73	-0.34
	ClsMed 42	-15128.1	-0.90	-0.73	-0.14

- Pilastro: 15/49 / L 2.70[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 2697.1**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
15	23	-23496.9	-5.05	-12.19	1.00	1.00	0.19
49	23	-19288.2	-13.99	1.17	1.00	1.00	0.09

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	3.00	145449.4	215256.3	63094.1	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
15	Ft. 40	-12383.3	-2.22	-4.91	36.17
	Fc. 40	-12383.3	-2.22	-4.91	-13.80
	ClsMax 40	-12383.3	-2.22	-4.91	-1.79
	ClsMed 40	-12383.3	-2.22	-4.91	-0.74
49	Ft. 40	-9145.8	-5.91	0.44	17.55
	Fc. 40	-9145.8	-5.91	0.44	-9.25
	ClsMax 40	-9145.8	-5.91	0.44	-0.85
	ClsMed 40	-9145.8	-5.91	0.44	-0.35
		Combinazioni Quasi Permanenti			
15	Ft. 42	-15078.4	-0.87	-0.99	1.64
	Fc. 42	-15078.4	-0.87	-0.99	-4.19

	ClsMax 42	-15078.4	-0.87	-0.99	-0.37
	ClsMed 42	-15078.4	-0.87	-0.99	-0.15
49	Ft. 42	-11840.9	-1.42	0.85	3.07
	Fc. 42	-11840.9	-1.42	0.85	-4.46
	ClsMax 42	-11840.9	-1.42	0.85	-0.40
	ClsMed 42	-11840.9	-1.42	0.85	-0.14

- Pilastro: 16/50 / L 2.70[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 2700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
16	32	-28058.3	1.16	20.02	1.13	1.00	0.31
50	32	-15558.3	-1.16	-11.28	1.00	1.00	0.18

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	3.00	104129.7	215256.3	65502.3	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
16	Ft. 40	-23605.7	3.13	-0.26	1.44
	Fc. 37	-27012.9	2.48	0.84	-6.47
	ClsMax 37	-27012.9	2.48	0.84	-0.52
	ClsMed 37	-27012.9	2.48	0.84	-0.21
50	Ft. 37	-14512.9	-1.80	-0.73	2.40
	Fc. 37	-14512.9	-1.80	-0.73	-4.71
	ClsMax 37	-14512.9	-1.80	-0.73	-0.40
	ClsMed 37	-14512.9	-1.80	-0.73	-0.14
		Combinazioni Quasi Permanenti			
16	Ft. 42	-28827.5	0.51	0.03	-2.38
	Fc. 42	-28827.5	0.51	0.03	-3.42
	ClsMax 42	-28827.5	0.51	0.03	-0.24
	ClsMed 42	-28827.5	0.51	0.03	-0.19
50	Ft. 42	-16327.5	-0.83	-0.37	-0.31
	Fc. 42	-16327.5	-0.83	-0.37	-2.98
	ClsMax 42	-16327.5	-0.83	-0.37	-0.23
	ClsMed 42	-16327.5	-0.83	-0.37	-0.11

- Pilastro: 17/51 / L 2.70[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 2700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
17	31	-14717.7	0.68	7.18	1.23	8.35	0.11
51	13	-27217.2	-9.24	-6.78	1.00	1.00	0.12

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	3.00	106526.2	215256.3	68219.9	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
17	Ft. 40	-11660.3	-2.51	0.16	3.23
	Fc. 40	-11660.3	-2.51	0.16	-4.25
	ClsMax 40	-11660.3	-2.51	0.16	-0.35
	ClsMed 40	-11660.3	-2.51	0.16	-0.15
51	Ft. 37	-11327.1	-2.55	-2.96	21.75
	Fc. 37	-11327.1	-2.55	-2.96	-10.82
	ClsMax 37	-11327.1	-2.55	-2.96	-1.24
	ClsMed 37	-11327.1	-2.55	-2.96	-0.46
		Combinazioni Quasi Permanenti			
17	Ft. 42	-16264.7	-0.89	-0.44	-0.14
	Fc. 42	-16264.7	-0.89	-0.44	-3.13
	ClsMax 42	-16264.7	-0.89	-0.44	-0.25
	ClsMed 42	-16264.7	-0.89	-0.44	-0.11
51	Ft. 42	-13027.2	-1.07	-3.81	24.45
	Fc. 42	-13027.2	-1.07	-3.81	-9.95
	ClsMax 42	-13027.2	-1.07	-3.81	-1.28
	ClsMed 42	-13027.2	-1.07	-3.81	-0.57

- Pilastro: 18/52 / L 2.70[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 2700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
18	25	-29500.3	2.58	-35.63	1.00	1.00	0.58
52	25	-13250.3	-1.85	30.28	1.00	1.00	0.51

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	3.00	127295.7	215256.3	67981.3	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]

		Combinazioni Frequenti			
18	Ft. 40	-22995.1	2.18	-13.85	101.85
	Fc. 40	-22995.1	2.18	-13.85	-29.83
	ClsMax 40	-22995.1	2.18	-13.85	-4.44
	ClsMed 40	-22995.1	2.18	-13.85	-2.05
52	Ft. 40	-10495.1	-1.51	11.98	93.76
	Fc. 40	-10495.1	-1.51	11.98	-23.70
	ClsMax 40	-10495.1	-1.51	11.98	-3.79
	ClsMed 40	-10495.1	-1.51	11.98	-1.77
		Combinazioni Quasi Permanenti			
18	Ft. 42	-28067.7	0.28	-0.38	-1.98
	Fc. 42	-28067.7	0.28	-0.38	-3.67
	ClsMax 42	-28067.7	0.28	-0.38	-0.27
	ClsMed 42	-28067.7	0.28	-0.38	-0.19
52	Ft. 42	-15567.7	-0.69	0.98	1.16
	Fc. 42	-15567.7	-0.69	0.98	-3.95
	ClsMax 42	-15567.7	-0.69	0.98	-0.34
	ClsMed 42	-15567.7	-0.69	0.98	-0.14

- Pilastro: 19/103 / L 3.50[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 3500.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	a_{12}	a_{13}	Sd/Sr
19	32	-77180.6	46.65	22.26	209.23	1.00	0.47
103	32	-63843.1	-46.65	-19.09	41.20	1.00	0.44

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	3.80	117577.9	215256.3	40503.3	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
19	Ft. 36	-62239.7	0.62	7.11	20.69
	Fc. 36	-62239.7	0.62	7.11	-20.04
	ClsMax 36	-62239.7	0.62	7.11	-2.10
	ClsMed 36	-62239.7	0.62	7.11	-1.01
103	Ft. 36	-48902.2	-1.28	-6.86	27.04
	Fc. 36	-48902.2	-1.28	-6.86	-19.43
	ClsMax 36	-48902.2	-1.28	-6.86	-2.15
	ClsMed 36	-48902.2	-1.28	-6.86	-0.99
		Combinazioni Quasi Permanenti			
19	Ft. 42	-74487.4	0.81	1.01	-5.19
	Fc. 42	-74487.4	0.81	1.01	-9.79
	ClsMax 42	-74487.4	0.81	1.01	-0.72
	ClsMed 42	-74487.4	0.81	1.01	-0.50
103	Ft. 42	-61149.9	-1.68	-2.34	-0.93

	Fc. 42	-61149.9	-1.68	-2.34	-11.34
	ClsMax 42	-61149.9	-1.68	-2.34	-0.92
	ClsMed 42	-61149.9	-1.68	-2.34	-0.42

- Pilastro: 103/185 / L 0.70[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/50.0' x 696.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
103	20	-83642.7	26.21	28.98	1.00	1.00	0.46
185	23	-45418.3	21.80	14.76	1.00	1.00	0.27

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.20	0.90	474757.7	561442.2	233455.6	262932.2	ø 8/50.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
103	Ft. 41	-41067.7	10.50	7.55	56.59
	Fc. 41	-41067.7	10.50	7.55	-34.93
	ClsMax 41	-41067.7	10.50	7.55	-3.66
	ClsMed 36	-48976.2	0.37	9.53	-1.40
185	Ft. 40	-29829.8	8.43	5.49	43.13
	Fc. 40	-29829.8	8.43	5.49	-26.65
	ClsMax 40	-29829.8	8.43	5.49	-2.77
	ClsMed 40	-29829.8	8.43	5.49	-0.93
		Combinazioni Quasi Permanenti			
103	Ft. 42	-61683.8	0.76	2.20	-2.10
	Fc. 42	-61683.8	0.76	2.20	-10.31
	ClsMax 42	-61683.8	0.76	2.20	-0.83
	ClsMed 42	-61683.8	0.76	2.20	-0.41
185	Ft. 42	-51683.8	-1.83	4.59	10.29
	Fc. 42	-51683.8	-1.83	4.59	-15.71
	ClsMax 42	-51683.8	-1.83	4.59	-1.49
	ClsMed 42	-51683.8	-1.83	4.59	-0.65

- Pilastro: 20/125 / L 4.02[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 4018.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
20	21	-26815.4	-5.25	24.94	1.00	1.00	0.22
125	21	-22606.6	-8.95	6.40	1.00	1.00	0.16

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.13	4.14	32848.2	97243.0	81472.1	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
20	Ft. 40	-11010.2	-1.59	9.79	44.04
	Fc. 40	-11010.2	-1.59	9.79	-19.86
	ClsMax 40	-11010.2	-1.59	9.79	-1.94
	ClsMed 40	-11010.2	-1.59	9.79	-0.70
125	Ft. 37	-10743.7	-2.43	3.42	23.09
	Fc. 37	-10743.7	-2.43	3.42	-12.12
	ClsMax 37	-10743.7	-2.43	3.42	-1.30
	ClsMed 37	-10743.7	-2.43	3.42	-0.44
		Combinazioni Quasi Permanenti			
20	Ft. 42	-15474.5	-0.73	1.30	1.36
	Fc. 42	-15474.5	-0.73	1.30	-4.30
	ClsMax 42	-15474.5	-0.73	1.30	-0.36
	ClsMed 42	-15474.5	-0.73	1.30	-0.14
125	Ft. 42	-12237.0	-1.02	4.70	16.78
	Fc. 42	-12237.0	-1.02	4.70	-10.59
	ClsMax 42	-12237.0	-1.02	4.70	-0.99
	ClsMed 42	-12237.0	-1.02	4.70	-0.35

- Pilastro: 21/62 / L 2.70[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 2700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
21	23	-30482.9	4.12	-52.77	1.00	1.00	0.45
62	25	-11589.7	-1.74	53.20	1.00	1.00	0.48

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	3.00	63681.7	97243.0	115164.4	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			

21	Ft. 41	-18067.4	-2.42	19.52	87.38
	Fc. 41	-18067.4	-2.42	19.52	-36.69
	ClsMax 41	-18067.4	-2.42	19.52	-3.57
	ClsMed 40	-20874.7	1.49	-20.76	-1.40
62	Ft. 40	-8374.7	-1.12	21.26	97.70
	Fc. 40	-8374.7	-1.12	21.26	-33.33
	ClsMax 40	-8374.7	-1.12	21.26	-3.29
	ClsMed 40	-8374.7	-1.12	21.26	-1.41
Combinazioni Quasi Permanenti					
21	Ft. 42	-21245.2	-0.44	-1.10	-0.43
	Fc. 42	-21245.2	-0.44	-1.10	-3.99
	ClsMax 42	-21245.2	-0.44	-1.10	-0.31
	ClsMed 42	-21245.2	-0.44	-1.10	-0.15
62	Ft. 42	-8745.2	-0.15	1.42	1.47
	Fc. 42	-8745.2	-0.15	1.42	-2.81
	ClsMax 42	-8745.2	-0.15	1.42	-0.23
	ClsMed 42	-8745.2	-0.15	1.42	-0.10

- Pilastro: 22/104 / L 3.70[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 3700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
22	22	-26243.4	71.90	-3.54	1.00	1.00	0.51
104	25	-16432.8	66.73	-2.56	1.00	1.00	0.49

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	4.00	110126.9	215256.3	42688.6	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
Combinazioni Frequenti					
22	Ft. 41	-19151.1	28.92	-1.72	100.41
	Fc. 41	-19151.1	28.92	-1.72	-41.73
	ClsMax 41	-19151.1	28.92	-1.72	-4.00
	ClsMed 41	-19151.1	28.92	-1.72	-1.69
104	Ft. 40	-9519.7	26.34	-1.24	95.25
	Fc. 40	-9519.7	26.34	-1.24	-36.05
	ClsMax 40	-9519.7	26.34	-1.24	-3.50
	ClsMed 40	-9519.7	26.34	-1.24	-1.51
Combinazioni Quasi Permanenti					
22	Ft. 42	-23919.6	1.80	0.08	-0.64
	Fc. 42	-23919.6	1.80	0.08	-4.17
	ClsMax 42	-23919.6	1.80	0.08	-0.31
	ClsMed 42	-23919.6	1.80	0.08	-0.16
104	Ft. 42	-11419.6	2.33	-0.35	3.39
	Fc. 42	-11419.6	2.33	-0.35	-4.45

	ClsMax 42	-11419.6	2.33	-0.35	-0.38
	ClsMed 42	-11419.6	2.33	-0.35	-0.15

- Pilastro: 104/189 / L 0.90[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/50.0' x 896.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	a_{12}	a_{13}	Sd/Sr
104	19	-18746.4	63.16	-3.52	1.00	1.00	0.46
189	20	-10800.5	14.01	2.66	1.00	1.00	0.11

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.00	0.90	431484.7	461442.2	131807.8	172932.2	ø 8/50.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
104	Ft. 40	-9027.5	24.82	-1.19	89.81
	Fc. 40	-9027.5	24.82	-1.19	-34.06
	ClsMax 40	-9027.5	24.82	-1.19	-3.31
	ClsMed 40	-9027.5	24.82	-1.19	-1.43
189	Ft. 36	-7345.7	5.53	-1.02	19.80
	Fc. 36	-7345.7	5.53	-1.02	-10.50
	ClsMax 36	-7345.7	5.53	-1.02	-1.01
	ClsMed 36	-7345.7	5.53	-1.02	-0.35
		Combinazioni Quasi Permanenti			
104	Ft. 42	-11723.9	3.40	-0.29	6.53
	Fc. 42	-11723.9	3.40	-0.29	-5.78
	ClsMax 42	-11723.9	3.40	-0.29	-0.50
	ClsMed 42	-11723.9	3.40	-0.29	-0.21
189	Ft. 42	-8486.4	7.61	-0.46	24.25
	Fc. 42	-8486.4	7.61	-0.46	-11.31
	ClsMax 42	-8486.4	7.61	-0.46	-1.06
	ClsMed 42	-8486.4	7.61	-0.46	-0.45

- Pilastro: 23/129 / L 4.02[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 4018.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	a_{12}	a_{13}	Sd/Sr
23	21	-14799.4	-3.90	50.62	1.00	1.00	0.46
129	26	-2021.0	5.46	4.03	1.00	1.00	0.12

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.13	4.14	36023.4	97243.0	86024.3	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
23	Ft. 40	-7648.0	-1.10	20.09	92.71
	Fc. 40	-7648.0	-1.10	20.09	-31.61
	ClsMax 40	-7648.0	-1.10	20.09	-3.12
	ClsMed 40	-7648.0	-1.10	20.09	-1.34
129	Ft. 41	-3096.4	1.75	1.89	18.93
	Fc. 41	-3096.4	1.75	1.89	-7.28
	ClsMax 41	-3096.4	1.75	1.89	-0.87
	ClsMed 41	-3096.4	1.75	1.89	-0.30
		Combinazioni Quasi Permanenti			
23	Ft. 42	-8862.8	-0.11	1.64	2.00
	Fc. 42	-8862.8	-0.11	1.64	-3.05
	ClsMax 42	-8862.8	-0.11	1.64	-0.25
	ClsMed 42	-8862.8	-0.11	1.64	-0.11
129	Ft. 42	-5625.3	-0.00	1.71	3.75
	Fc. 42	-5625.3	-0.00	1.71	-2.75
	ClsMax 42	-5625.3	-0.00	1.71	-0.23
	ClsMed 42	-5625.3	-0.00	1.71	-0.11

- Pilastro: 24/66 / L 2.70[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 2700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
24	26	-37152.3	-15.28	13.25	1.00	1.00	0.29
66	13	-31283.9	-13.18	10.48	1.00	1.00	0.24

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	3.00	49477.4	97243.0	109480.1	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
24	Ft. 41	-28445.8	-3.79	5.12	26.11
	Fc. 41	-28445.8	-3.79	5.12	-18.93
	ClsMax 41	-28445.8	-3.79	5.12	-1.89

	ClsMed 39	-27921.4	-4.43	-0.57	-0.66
66	Ft. 40	-17141.1	-2.81	6.52	31.89
	Fc. 40	-17141.1	-2.81	6.52	-18.78
	ClsMax 40	-17141.1	-2.81	6.52	-1.87
	ClsMed 37	-18162.1	-4.13	1.08	-0.63
Combinazioni Quasi Permanenti					
24	Ft. 42	-33884.9	-0.70	-0.96	-1.47
	Fc. 42	-33884.9	-0.70	-0.96	-5.57
	ClsMax 42	-33884.9	-0.70	-0.96	-0.43
	ClsMed 42	-33884.9	-0.70	-0.96	-0.23
66	Ft. 42	-20547.4	-0.55	1.50	0.28
	Fc. 42	-20547.4	-0.55	1.50	-4.51
	ClsMax 42	-20547.4	-0.55	1.50	-0.36
	ClsMed 42	-20547.4	-0.55	1.50	-0.15

- Pilastro: 25/105 / L 3.70[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/75.0' x 3700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
25	24	-48060.7	14.44	-13.51	1.00	1.00	0.22
105	19	-45227.2	28.99	-10.02	1.00	1.00	0.25

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	4.00	78984.2	215256.3	45013.9	97243.0	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
Combinazioni Frequenti					
25	Ft. 41	-35152.6	5.07	-4.05	20.87
	Fc. 40	-35393.3	-8.85	2.10	-18.82
	ClsMax 41	-35152.6	5.07	-4.05	-1.80
	ClsMed 41	-35152.6	5.07	-4.05	-0.64
105	Ft. 40	-22055.8	11.11	-2.66	38.02
	Fc. 40	-22055.8	11.11	-2.66	-23.23
	ClsMax 40	-22055.8	11.11	-2.66	-2.22
	ClsMed 40	-22055.8	11.11	-2.66	-0.75
Combinazioni Quasi Permanenti					
25	Ft. 42	-45817.3	-3.77	-1.29	1.17
	Fc. 42	-45817.3	-3.77	-1.29	-10.23
	ClsMax 42	-45817.3	-3.77	-1.29	-0.82
	ClsMed 42	-45817.3	-3.77	-1.29	-0.34
105	Ft. 42	-32479.8	9.42	-0.69	17.74
	Fc. 42	-32479.8	9.42	-0.69	-15.74
	ClsMax 42	-32479.8	9.42	-0.69	-1.35
	ClsMed 42	-32479.8	9.42	-0.69	-0.58

- Pilastro: 105/193 / L 0.90[m] / Sezione 4 B 250 [mm]H 500 [mm]

Af: **8 ø 16 Af=1608 [mm²] < 1ϕ16 x 4 V + 1ϕ16 x 2 B + 1ϕ16 x 2 H >**

Staffe: **ø 8/50.0' x 896.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
105	22	-32342.7	29.25	17.04	1.00	1.00	0.34
193	25	-36098.4	38.62	8.82	1.00	1.00	0.30

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.00	0.90	391031.1	461442.2	171966.3	172932.2	ø 8/50.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
105	Ft. 41	-22980.3	10.42	5.75	55.04
	Fc. 41	-22980.3	10.42	5.75	-30.02
	ClsMax 41	-22980.3	10.42	5.75	-3.18
	ClsMed 41	-22980.3	10.42	5.75	-1.06
193	Ft. 40	-19075.0	16.31	4.41	67.48
	Fc. 40	-19075.0	16.31	4.41	-35.07
	ClsMax 40	-19075.0	16.31	4.41	-3.50
	ClsMed 40	-19075.0	16.31	4.41	-1.17
		Combinazioni Quasi Permanenti			
105	Ft. 42	-34867.2	-4.55	2.59	10.27
	Fc. 42	-34867.2	-4.55	2.59	-13.85
	ClsMax 42	-34867.2	-4.55	2.59	-1.25
	ClsMed 42	-34867.2	-4.55	2.59	-0.43
193	Ft. 42	-24867.2	11.24	3.60	41.79
	Fc. 42	-24867.2	11.24	3.60	-26.17
	ClsMax 42	-24867.2	11.24	3.60	-2.55
	ClsMed 42	-24867.2	11.24	3.60	-0.85

- Pilastro: 26/133 / L 4.02[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 4018.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
26	26	-28048.9	-48.02	-8.58	1.00	1.00	0.96
133	21	-10325.6	-37.77	-6.43	1.00	1.00	0.78

- Verifiche a Taglio

Da	A	Vdx	Vrx	Vdy	Vry	Staffe

[m]	[m]	[N]	[N]	[N]	[N]	
0.13	4.14	38277.6	97243.0	59251.5	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
26	Ft. 41	-18607.0	-18.71	-3.57	169.96
	Fc. 41	-18607.0	-18.71	-3.57	-40.10
	ClsMax 41	-18607.0	-18.71	-3.57	-6.42
	ClsMed 41	-18607.0	-18.71	-3.57	-2.88
133	Ft. 40	-5710.9	-14.56	-2.57	139.00
	Fc. 40	-5710.9	-14.56	-2.57	-29.19
	ClsMax 40	-5710.9	-14.56	-2.57	-4.96
	ClsMed 40	-5710.9	-14.56	-2.57	-2.24
		Combinazioni Quasi Permanenti			
26	Ft. 42	-22780.6	-0.06	0.13	-2.15
	Fc. 42	-22780.6	-0.06	0.13	-2.58
	ClsMax 42	-22780.6	-0.06	0.13	-0.18
	ClsMed 42	-22780.6	-0.06	0.13	-0.16
133	Ft. 42	-10280.6	-0.93	-0.73	3.01
	Fc. 42	-10280.6	-0.93	-0.73	-3.85
	ClsMax 42	-10280.6	-0.93	-0.73	-0.36
	ClsMed 42	-10280.6	-0.93	-0.73	-0.14

- Pilastro: 27/70 / L 2.70[m] / Sezione 3 B 500 [mm]H 250 [mm]

Af: **4 ø 14 + 6 ø 12 Af=1294 [mm²] < 1ϕ14 x 4 V + 2ϕ12 x 2 B + 1ϕ12 x 2 H >**

Staffe: **ø 8/75.0' x 2700.0**

- Verifiche a Presso-Flessione S.L.U.

Nodo	Comb	N	Mx	My	α_{12}	α_{13}	Sd/Sr
27	25	-13043.9	-23.35	-5.92	1.00	1.00	0.47
70	34	-6927.8	-4.40	-0.81	1.00	1.00	0.08

- Verifiche a Taglio

Da [m]	A [m]	Vdx [N]	Vrx [N]	Vdy [N]	Vry [N]	Staffe
0.30	3.00	55312.7	97243.0	55813.6	215256.3	ø 8/75.0'

- Verifiche a Presso-Flessione S.L.E.

Nodo	Comb	N [N]	Mx [kNm]	My [kNm]	σ [MPa]
		Combinazioni Frequenti			
27	Ft. 40	-6760.7	-9.70	-2.39	91.79
	Fc. 40	-6760.7	-9.70	-2.39	-21.52
	ClsMax 40	-6760.7	-9.70	-2.39	-3.43
	ClsMed 40	-6760.7	-9.70	-2.39	-1.50
70	Ft. 36	-5040.2	-1.13	-0.84	8.61

	Fc. 36	-5040.2	-1.13	-0.84	-4.23
	ClsMax 36	-5040.2	-1.13	-0.84	-0.48
	ClsMed 36	-5040.2	-1.13	-0.84	-0.18
Combinazioni Quasi Permanenti					
27	Ft. 42	-10337.1	-2.60	-0.95	18.41
	Fc. 42	-10337.1	-2.60	-0.95	-7.68
	ClsMax 42	-10337.1	-2.60	-0.95	-0.95
	ClsMed 42	-10337.1	-2.60	-0.95	-0.40
70	Ft. 42	-7099.6	-1.60	-1.19	12.20
	Fc. 42	-7099.6	-1.60	-1.19	-5.98
	ClsMax 42	-7099.6	-1.60	-1.19	-0.68
	ClsMed 42	-7099.6	-1.60	-1.19	-0.25

- Verifiche travi

- Modalità di verifica

Le travi vengono progettate-verificate a flessione retta e taglio nel piano longitudinale della trave sulla base dell'inviluppo delle sollecitazioni, in conformità al *Decreto Legge del 26 Marzo 1980* e successivi aggiornamenti.

Viene comunque sempre predisposta l'armatura minima mentre gli sforzi di taglio vengono integralmente assorbiti dalle staffe.

Le operazioni di progetto-verifica vengono condotte, per ogni asta, in tre diverse sezioni e precisamente in corrispondenza dei fili esterni dei pilastri e della sezione in campata nella quale viene riscontrato il massimo momento positivo (negativo).

I momenti si intendono postivi se tendono le fibre di intradosso (inferiori).

Per quanto concerne il progetto e la verifica delle travi a taglio esse vengono condotte nel modo seguente:

- Si controlla se la trave necessita o meno di armatura aggiuntiva a taglio:
    1. Se non occorre armatura aggiuntiva a taglio si procede a disporre la staffatura minima di regolamento e la progettazione ha termine.
    2. Se occorre armatura aggiuntiva a taglio la staffatuta viene progettata andando a suddividere la trave, a seconda del caso, in uno, tre o cinque conci:
        - due tronchi in prossimità degli appoggi di lunghezza pari all'altezza della sezione;
        - due altri (eventuali) tronchi dall'ascissa precedente a quella in cui il taglio può essere assorbito con la sola staffatura minima da regolamento
        - un restante (eventuale) concio di chiusura centrale.
- In ogni caso l'armatura a taglio si intende simmetrica rispetto alla mezzeria della trave e viene progettata considerando, rispetto alla mezzeria, la zona della trave più sollecitata.

Per quanto concerne le verifiche a taglio esse vengono condotte suddividendo la trave in cinque conci:

due tronchi in prossimità degli appoggi di lunghezza pari all'altezza della sezione; due altri (eventuali) tronchi dall'ascissa precedente a quella in cui il taglio può essere assorbito con la sola staffatura minima da regolamento; il restante (eventuale) concio di chiusura centrale.

L'armatura a taglio si intende simmetrica rispetto alla mezzeria della trave e viene progettata considerando, rispetto alla mezzeria, la zona della trave più sollecitata.

Simbologia utilizzata:

Af Es.
Area di ferro all'estradosso

Af In.
Area di ferro all'intradosso

Sigb.Es.
Tensione del calcestruzzo estradosso

Sigb. In.
Tensione del calcestruzzo intradosso

Sigf. Es.
Tensione dell'acciaio estradosso

Sigf. In.
Tensione dell'acciaio intradosso

- Sezioni Impiegate: Trave

Sez. Num.	Info	Dimens.	Criterio	Calc.	f_{cd} [MPa]	τ_{rd} [MPa]	σ_{RARE} [MPa]	σ_{FREQ} [MPa]	σ_{QP} [MPa]	Acciaio	f_{yd} [MPa]	σ_{yRARE} [MPa]	σ_{yFREQ} [MPa]	σ_{yQP} [MPa]	Coprif. [mm]
1	Rett. trave c.a. 25x40	B 250 [mm] H 400 [mm]	Vertrav	C25/30	14.17	0.30	15.00	25.00	11.25	B 450 C	391.30	360.00	450.00	450.00	30.0

- Sezioni Impiegate: Trave di fondazione

Sez. Num.	Info	Dimensioni	Criterio	Calc.	f_{cd} [MPa]	τ_{rd} [MPa]	σ_{RARE} [MPa]	σ_{FREQ} [MPa]	σ_{QP} [MPa]	Acciaio	f_{yd} [MPa]	σ_{yRARE} [MPa]	σ_{yFREQ} [MPa]	σ_{yQP} [MPa]	Copriferro [mm]
2	Rett. trave 100x60	B 1000 [mm] H 600 [mm] Terreno numero 1	Verfond	C25/30	14.17	0.30	15.00	25.00	11.25	B 450 C	391.30	360.00	450.00	450.00	30.0
3	Rett. trave coll.40x60	B 400 [mm] H 600 [mm] Terreno numero 1	Verfond	C25/30	14.17	0.30	15.00	25.00	11.25	B 450 C	391.30	360.00	450.00	450.00	30.0

EC2. 4.3.2.4.4. Verifica a taglio con il metodo dell'inclinazione variabile del traliccio. cotg θ = 1.00

Verifica a fessurazione indiretta

Fattore di sovraresistenza Travi $\gamma_{R,d}$=1.00
Fattore di sovraresistenza Fondazioni $\gamma_{R,d}$=1.10

- Verifiche Travate :

- Travata: ***103 Travata 106 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
106	0.12	249	345			8.91	33.47	0.12	-3.80	-45.13	0.13					
				S.L.E. Freq.		2.75			-0.44			0.10	0.68	21.14	3.83	OK
				S.L.E. Q.P.		2.45			0.00			0.00	0.61	18.87	3.42	OK
Camp.	0.80	402	371	5950.4	0.82	3.87	52.06	0.14	-7.06	-48.33	0.13					

				S.L.E. Freq.		0.00			-2.73			0.57	0.00	4.41	21.26	OK
				S.L.E. Q.P.		0.00			-2.04			0.42	0.00	3.30	15.89	OK
119	1.48	351	147			2.33	45.91	0.13	-9.31	-20.94	0.11					
				S.L.E. Freq.		0.00			-4.11			1.28	0.00	3.00	21.22	OK
				S.L.E. Q.P.		0.00			-4.77			1.49	0.00	3.48	24.63	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
119	0.00	347	147			2.34	45.45	0.13	-9.36	-20.94	0.11					
				S.L.E. Freq.		0.00			-4.13			1.29	0.00	3.24	19.13	OK
				S.L.E. Q.P.		0.00			-4.80			1.50	0.00	3.76	22.23	OK
Camp.	0.74	308	388	7447.3	1.03	0.00	40.74	0.13	-7.79	-50.38	0.14					
				S.L.E. Freq.		0.00			-3.33			0.70	0.00	5.74	26.00	OK
				S.L.E. Q.P.		0.00			-3.90			0.82	0.00	6.71	30.40	OK
120	1.48	351	142			2.34	45.98	0.13	-2.89	-20.36	0.11					
				S.L.E. Freq.		0.00			-0.76			0.24	0.00	0.58	3.63	OK
				S.L.E. Q.P.		0.00			-0.50			0.16	0.00	0.38	2.37	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
120	0.00	355	142			3.52	46.44	0.13	-2.63	-20.37	0.11					
				S.L.E. Freq.		0.00			-0.76			0.24	0.00	0.55	3.85	OK
				S.L.E. Q.P.		0.00			-0.47			0.15	0.00	0.35	2.41	OK
Camp.	0.68	402	367	7661.2	1.05	16.24	52.06	0.14	-1.04	-47.75	0.13					
				S.L.E. Freq.		4.89			-0.51			0.11	1.00	38.20	7.34	OK
				S.L.E. Q.P.		6.40			-0.62			0.13	1.30	49.97	9.60	OK
121	1.36	476	399			28.88	60.98	0.15	0.00	-51.69	0.14					
				S.L.E. Freq.		11.98			0.00			0.00	2.27	55.24	13.98	OK
				S.L.E. Q.P.		15.40			0.00			0.00	2.92	70.97	17.96	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
121	0.12	476	399			34.42	60.98	0.15	0.00	-51.69	0.14					
				S.L.E. Freq.		14.54			0.00			0.00	2.76	65.94	16.38	OK
				S.L.E. Q.P.		18.94			0.00			0.00	3.59	85.89	21.33	OK
Camp.	0.84	402	377	7661.2	1.17	15.17	52.06	0.14	-1.22	-49.06	0.13					
				S.L.E. Freq.		4.09			-0.56			0.12	0.83	31.93	6.28	OK
				S.L.E. Q.P.		5.26			-0.69			0.14	1.07	41.08	8.08	OK
122	1.56	354	140			2.79	46.24	0.13	-11.14	-20.15	0.11					
				S.L.E. Freq.		0.00			-4.43			1.41	0.00	3.15	21.28	OK
				S.L.E. Q.P.		0.00			-6.04			1.93	0.00	4.30	29.03	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
122	0.00	350	140			6.71	45.78	0.13	-13.88	-20.15	0.11					
				S.L.E. Freq.		0.00			-4.45			1.42	0.00	3.47	22.61	OK
				S.L.E. Q.P.		0.00			-6.08			1.94	0.00	4.74	30.90	OK
Camp.	0.78	308	402	7661.2	1.17	0.00	40.74	0.13	-22.98	-52.08	0.14					
				S.L.E. Freq.		0.00			-8.93			1.85	0.00	15.36	69.71	OK
				S.L.E. Q.P.		0.00			-11.85			2.45	0.00	20.38	92.51	OK
123	1.56	310	145			6.71	40.97	0.12	-26.85	-20.71	0.10					
				S.L.E. Freq.		0.00			-11.12			3.51	0.00	9.00	54.52	OK
				S.L.E. Q.P.		0.00			-14.80			4.68	0.00	11.98	72.60	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
123	0.00	310	145			6.73	40.97	0.12	-26.92	-20.71	0.10					
				S.L.E. Freq.		0.00			-11.11			3.51	0.00	9.00	54.51	OK
				S.L.E. Q.P.		0.00			-14.80			4.68	0.00	11.98	72.59	OK
Camp.	0.78	308	402	7661.2	1.17	0.00	40.74	0.13	-21.44	-52.08	0.14					
				S.L.E. Freq.		0.00			-8.27			1.71	0.00	14.23	64.60	OK
				S.L.E. Q.P.		0.00			-10.90			2.26	0.00	18.75	85.11	OK
124	1.56	350	140			6.73	45.78	0.13	-10.45	-20.15	0.11					
				S.L.E. Freq.		0.00			-3.14			1.00	0.00	2.45	15.97	OK

				S.L.E. Q.P.		0.00			-4.18			1.34	0.00	3.26	21.27	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
124	0.00	354	140			1.87	46.24	0.13	-7.49	-20.15	0.11					
				S.L.E. Freq.		0.00			-3.11			0.99	0.00	2.21	14.96	OK
				S.L.E. Q.P.		0.00			-4.14			1.32	0.00	2.94	19.90	OK
Camp.	0.72	402	377	7661.2	1.17	20.62	52.06	0.14	-1.15	-49.06	0.13					
				S.L.E. Freq.		6.05			-0.56			0.12	1.23	47.26	9.29	OK
				S.L.E. Q.P.		8.08			-0.69			0.14	1.64	63.15	12.42	OK
125	1.44	471	389			41.18	60.44	0.15	0.00	-50.48	0.14					
				S.L.E. Freq.		17.15			0.00			0.00	3.27	78.50	19.42	OK
				S.L.E. Q.P.		22.69			0.00			0.00	4.33	103.85	25.69	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
125	0.12	471	389			39.94	60.44	0.15	0.00	-50.48	0.14					
				S.L.E. Freq.		16.69			0.00			0.00	3.19	76.39	18.89	OK
				S.L.E. Q.P.		22.05			0.00			0.00	4.21	100.94	24.97	OK
Camp.	0.84	402	377	7661.2	1.17	20.84	52.06	0.14	-1.15	-49.06	0.13					
				S.L.E. Freq.		6.07			-0.56			0.12	1.23	47.43	9.33	OK
				S.L.E. Q.P.		8.10			-0.69			0.14	1.65	63.31	12.45	OK
126	1.56	354	140			2.58	46.24	0.13	-7.35	-20.15	0.11					
				S.L.E. Freq.		0.00			-2.61			0.83	0.00	1.86	12.54	OK
				S.L.E. Q.P.		0.00			-3.46			1.11	0.00	2.46	16.63	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
126	0.00	350	140			5.74	45.78	0.13	-9.91	-20.15	0.11					
				S.L.E. Freq.		0.00			-2.64			0.84	0.00	2.06	13.42	OK
				S.L.E. Q.P.		0.00			-3.51			1.12	0.00	2.74	17.86	OK
Camp.	0.78	308	402	7661.2	1.17	0.00	40.74	0.13	-18.69	-52.08	0.14					
				S.L.E. Freq.		0.00			-7.26			1.50	0.00	12.48	56.67	OK
				S.L.E. Q.P.		0.00			-9.52			1.97	0.00	16.38	74.37	OK
127	1.56	310	145			5.74	40.97	0.12	-22.95	-20.71	0.10					
				S.L.E. Freq.		0.00			-9.58			3.03	0.00	7.76	47.00	OK
				S.L.E. Q.P.		0.00			-12.72			4.02	0.00	10.30	62.38	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
127	0.00	310	145			5.74	40.97	0.12	-22.97	-20.71	0.10					
				S.L.E. Freq.		0.00			-9.58			3.03	0.00	7.76	47.01	OK
				S.L.E. Q.P.		0.00			-12.72			4.02	0.00	10.30	62.39	OK
Camp.	0.78	308	402	7661.2	1.17	0.00	40.74	0.13	-18.34	-52.08	0.14					
				S.L.E. Freq.		0.00			-6.87			1.42	0.00	11.82	53.65	OK
				S.L.E. Q.P.		0.00			-9.05			1.87	0.00	15.56	70.64	OK
128	1.56	350	140			5.74	45.78	0.13	-8.29	-20.15	0.11					
				S.L.E. Freq.		0.00			-1.87			0.60	0.00	1.45	9.49	OK
				S.L.E. Q.P.		0.00			-2.56			0.82	0.00	1.99	12.99	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
128	0.00	354	140			2.36	46.24	0.13	-5.39	-20.15	0.11					
				S.L.E. Freq.		0.00			-1.83			0.59	0.00	1.30	8.81	OK
				S.L.E. Q.P.		0.00			-2.50			0.80	0.00	1.78	12.03	OK
Camp.	0.72	402	377	7661.2	1.17	24.54	52.06	0.14	-1.15	-49.06	0.13					
				S.L.E. Freq.		7.22			-0.56			0.12	1.47	56.38	11.09	OK
				S.L.E. Q.P.		9.52			-0.69			0.14	1.93	74.38	14.62	OK
129	1.44	471	389			45.18	60.44	0.15	0.00	-50.48	0.14					
				S.L.E. Freq.		18.21			0.00			0.00	3.48	83.33	20.61	OK
				S.L.E. Q.P.		23.93			0.00			0.00	4.57	109.52	27.09	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
129	0.12	471	389			50.18	60.44	0.15	0.00	-50.48	0.14					

				S.L.E. Freq.		19.74			0.00			0.00	3.77	90.36	22.35	OK
				S.L.E. Q.P.		25.97			0.00			0.00	4.96	118.88	29.40	OK
Camp.	0.84	402	377	7661.2	1.17	27.44	52.06	0.14	-1.15	-49.06	0.13					
				S.L.E. Freq.		7.53			-0.56			0.12	1.53	58.80	11.56	OK
				S.L.E. Q.P.		9.95			-0.69			0.14	2.02	77.69	15.28	OK
130	1.56	354	140			4.03	46.24	0.13	-9.29	-20.15	0.11					
				S.L.E. Freq.		0.00			-3.44			1.10	0.00	2.45	16.53	OK
				S.L.E. Q.P.		0.00			-3.70			1.18	0.00	2.63	17.79	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
130	0.00	350	140			8.14	45.78	0.13	-12.21	-20.15	0.11					
				S.L.E. Freq.		0.00			-3.41			1.09	0.00	2.66	17.35	OK
				S.L.E. Q.P.		0.00			-3.73			1.19	0.00	2.91	18.97	OK
Camp.	0.78	308	402	7661.2	1.17	0.00	40.74	0.13	-23.93	-52.08	0.14					
				S.L.E. Freq.		0.00			-9.15			1.90	0.00	15.74	71.43	OK
				S.L.E. Q.P.		0.00			-12.04			2.50	0.00	20.72	94.04	OK
131	1.56	310	235			8.14	40.97	0.12	-32.54	-31.72	0.11					
				S.L.E. Freq.		0.00			-13.24			3.38	0.00	12.18	101.29	OK
				S.L.E. Q.P.		0.00			-17.54			4.48	0.00	16.14	134.19	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
131	0.00	310	235			8.18	40.97	0.12	-32.71	-31.72	0.11					
				S.L.E. Freq.		0.00			-13.23			3.38	0.00	12.18	101.25	OK
				S.L.E. Q.P.		0.00			-17.53			4.48	0.00	16.13	134.12	OK
Camp.	0.78	308	402	7661.2	1.17	0.00	40.74	0.13	-32.15	-52.08	0.14					
				S.L.E. Freq.		0.00			-12.34			2.56	0.00	21.23	96.39	OK
				S.L.E. Q.P.		0.00			-16.23			3.36	0.00	27.93	126.77	OK
132	1.56	356	228			8.18	46.59	0.13	-27.48	-30.94	0.12					
				S.L.E. Freq.		0.00			-9.16			2.34	0.00	8.20	72.14	OK
				S.L.E. Q.P.		0.00			-12.12			3.10	0.00	10.85	95.45	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
132	0.00	360	228			6.44	47.05	0.13	-25.77	-30.95	0.12					
				S.L.E. Freq.		0.00			-9.15			2.34	0.00	7.89	72.04	OK
				S.L.E. Q.P.		0.00			-12.09			3.09	0.00	10.43	95.22	OK
Camp.	0.72	402	376	7661.2	1.17	11.88	52.06	0.14	-16.49	-48.87	0.13					
				S.L.E. Freq.		2.81			-5.47			1.13	0.57	21.96	42.64	OK
				S.L.E. Q.P.		0.00			-2.33			0.48	0.00	3.77	18.19	OK
133	1.44	249	345			27.15	33.47	0.12	-7.37	-45.13	0.13					
				S.L.E. Freq.		10.49			-0.42			0.09	2.60	80.68	14.62	OK
				S.L.E. Q.P.		9.81			0.00			0.00	2.43	75.42	13.67	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 106 119 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.12	0.48	0.36	66088.1	39837.1	283754.2	168050.9	ø 8 2br. 75.0'
0.48	1.13	0.65	68516.9	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.13	1.48	0.36	69757.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 119 120 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	47641.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.13	0.77	46847.0	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.13	1.48	0.36	48489.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 120 121 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	75686.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.00	0.65	74044.1	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.00	1.36	0.36	71063.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'

							Trave 121 122 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.12	0.48	0.36	66768.3	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.48	1.21	0.73	70113.9	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.21	1.56	0.36	71756.7	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 122 123 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	46148.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	44506.0	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.56	0.36	42705.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 123 124 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	42705.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	44506.0	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.56	0.36	46148.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 124 125 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	70911.6	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.08	0.73	69268.8	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.08	1.44	0.36	65923.2	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 125 126 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.12	0.48	0.36	65923.2	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.48	1.21	0.73	69268.8	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.21	1.56	0.36	70911.6	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 126 127 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	46148.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	44506.0	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.56	0.36	42705.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 127 128 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	42705.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	44506.0	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.56	0.36	46148.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 128 129 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	70911.6	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.08	0.73	69268.8	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.08	1.44	0.36	65923.2	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 129 130 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.12	0.48	0.36	65923.2	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.48	1.21	0.73	69268.8	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.21	1.56	0.36	70911.6	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 130 131 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	53188.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	51546.0	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.56	0.36	47618.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 131 132 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	49614.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	52063.9	36162.9	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.56	0.36	53706.7	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 132 133 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	67756.5	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.08	0.73	66113.7	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.08	1.44	0.36	62768.1	39837.1	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***11 Travata 112 141 171***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
112	0.21	265	402			12.83	35.36	0.12	-5.60	-52.07	0.14					
				S.L.E. Freq.		5.08			-0.07			0.01	1.21	39.15	8.05	OK
				S.L.E. Q.P.		3.30			0.00			0.00	0.78	25.41	5.23	OK
Camp.	0.90	402	379	3160.3	0.53	6.99	52.06	0.14	-6.37	-49.30	0.14					
				S.L.E. Freq.		1.30			-1.75			0.36	0.26	10.13	13.64	OK
				S.L.E. Q.P.		0.00			-0.40			0.08	0.00	0.65	3.15	OK
141	1.60	397	140			1.60	51.47	0.14	-6.33	-20.18	0.11					
				S.L.E. Freq.		0.00			-2.76			0.88	0.00	2.02	11.96	OK
				S.L.E. Q.P.		0.00			-2.66			0.84	0.00	1.94	11.52	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
141	0.05	397	140			1.61	51.47	0.14	-5.84	-20.18	0.11					
				S.L.E. Freq.		0.00			-2.75			0.87	0.00	1.83	15.07	OK
				S.L.E. Q.P.		0.00			-2.79			0.89	0.00	1.86	15.31	OK
Camp.	0.75	402	402	3160.3	0.53	1.60	52.06	0.14	-5.14	-52.06	0.14					
				S.L.E. Freq.		0.00			-2.37			0.48	0.00	3.84	18.54	OK
				S.L.E. Q.P.		0.00			-1.97			0.40	0.00	3.19	15.41	OK
171	1.44	312	382			6.89	41.14	0.13	-6.36	-49.62	0.14					
				S.L.E. Freq.		1.87			-2.02			0.43	0.42	14.49	15.75	OK
				S.L.E. Q.P.		0.04			-0.03			0.01	0.01	0.34	0.26	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 112 141 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.22	0.57	0.35	73938.1	41924.0	283754.2	168050.9	ø 8 2br. 75.0'
0.57	1.24	0.67	75593.0	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.24	1.60	0.35	76464.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 141 171 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.05	0.40	0.36	74337.7	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.09	0.68	73470.9	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.09	1.44	0.36	71807.4	41209.9	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***13 Travata 112 75 50***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
112	0.31	344	402			17.46	44.96	0.13	-3.75	-52.07	0.14					
				S.L.E. Freq.		7.53			0.00			0.00	1.61	58.51	12.16	OK
				S.L.E. Q.P.		4.86			0.00			0.00	1.04	37.79	7.85	OK
Camp.	1.27	402	402	3160.3	1.03	5.26	52.06	0.14	-5.93	-52.06	0.14					
				S.L.E. Freq.		0.17			-2.12			0.43	0.03	3.43	16.55	OK

				S.L.E. Q.P.		0.00			-1.37			0.28	0.00	2.22	10.71	OK
75	2.24	396	160			2.69	51.34	0.14	-10.69	-22.63	0.11					
				S.L.E. Freq.		0.00			-4.66			1.39	0.00	3.26	26.15	OK
				S.L.E. Q.P.		0.00			-5.03			1.50	0.00	3.52	28.26	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
75	0.05	396	160			2.89	51.34	0.14	-11.37	-22.63	0.11					
				S.L.E. Freq.		0.00			-4.87			1.45	0.00	3.84	19.23	OK
				S.L.E. Q.P.		0.00			-5.07			1.51	0.00	4.00	20.01	OK
Camp.	1.06	402	402	3160.3	1.03	4.57	52.06	0.14	-11.26	-52.06	0.14					
				S.L.E. Freq.		0.24			-4.66			0.94	0.05	7.53	36.37	OK
				S.L.E. Q.P.		0.00			-2.26			0.46	0.00	3.66	17.66	OK
50	2.08	265	402			11.50	35.36	0.12	-8.34	-52.07	0.14					
				S.L.E. Freq.		5.02			-1.91			0.40	1.20	38.69	14.93	OK
				S.L.E. Q.P.		3.08			0.00			0.00	0.73	23.72	4.88	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 112 75 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.40	0.74	0.34	52055.6	41924.0	283754.2	168050.9	ø 8 2br. 75.0'
0.74	1.90	1.16	55190.4	36795.0	283754.2	84025.5	ø 8 2br. 150.0'
1.90	2.24	0.34	56102.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 75 50 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.05	0.40	0.35	53581.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.72	1.31	52711.7	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.72	2.07	0.35	49490.7	41924.0	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***24 Travata 193 163 133 94 70***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
193	0.20	312	382			4.02	41.14	0.13	-4.48	-49.62	0.14					
				S.L.E. Freq.		1.24			-1.68			0.36	0.28	9.60	13.11	OK
				S.L.E. Q.P.		0.00			-0.30			0.06	0.00	0.39	2.32	OK
Camp.	0.90	402	402	3160.3	0.53	1.07	52.06	0.14	-4.40	-52.06	0.14					
				S.L.E. Freq.		0.00			-2.23			0.45	0.00	3.61	17.44	OK
				S.L.E. Q.P.		0.00			-1.66			0.33	0.00	2.68	12.93	OK
163	1.60	403	130			1.13	52.24	0.15	-3.69	-18.92	0.11					
				S.L.E. Freq.		0.00			-1.86			0.61	0.00	1.18	11.00	OK
				S.L.E. Q.P.		0.00			-1.83			0.60	0.00	1.16	10.81	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
163	0.05	403	130			0.85	52.24	0.15	-3.40	-18.92	0.11					
				S.L.E. Freq.		0.00			-1.78			0.59	0.00	1.27	7.24	OK
				S.L.E. Q.P.		0.00			-1.68			0.55	0.00	1.20	6.84	OK
Camp.	0.74	417	369	3160.3	0.53	4.06	53.84	0.14	-2.43	-48.04	0.13					
				S.L.E. Freq.		0.80			-0.40			0.08	0.16	6.05	3.15	OK
				S.L.E. Q.P.		0.47			-0.40			0.08	0.09	3.54	3.15	OK
133	1.44	565	373			8.34	71.79	0.16	-0.68	-48.54	0.13					
				S.L.E. Freq.		4.19			0.00			0.00	0.75	19.63	5.09	OK
				S.L.E. Q.P.		3.81			0.00			0.00	0.69	17.85	4.63	OK

												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
133	0.31	565	373			10.31	71.79	0.16	-1.43	-48.54	0.13					
				S.L.E. Freq.		5.01			0.00			0.00	0.90	27.42	5.90	OK
				S.L.E. Q.P.		4.02			0.00			0.00	0.72	21.98	4.73	OK
Camp.	1.27	402	402	3160.3	1.03	2.68	52.06	0.14	-5.06	-52.06	0.14					
				S.L.E. Freq.		0.00			-2.03			0.41	0.00	3.28	15.83	OK
				S.L.E. Q.P.		0.00			-1.26			0.25	0.00	2.04	9.85	OK
94	2.24	401	165			2.11	51.98	0.14	-8.40	-23.23	0.11					
				S.L.E. Freq.		0.00			-4.05			1.19	0.00	2.93	22.99	OK
				S.L.E. Q.P.		0.00			-3.94			1.16	0.00	2.85	22.37	OK
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
94	0.05	401	165			2.16	51.98	0.14	-8.61	-23.23	0.11					
				S.L.E. Freq.		0.00			-4.09			1.20	0.00	3.25	15.68	OK
				S.L.E. Q.P.		0.00			-3.97			1.16	0.00	3.16	15.22	OK
Camp.	1.06	402	402	3160.3	1.03	2.88	52.06	0.14	-7.70	-52.06	0.14					
				S.L.E. Freq.		0.00			-2.93			0.59	0.00	4.74	22.88	OK
				S.L.E. Q.P.		0.00			-1.95			0.39	0.00	3.16	15.25	OK
70	2.08	265	402			9.03	35.36	0.12	-4.33	-52.07	0.14					
				S.L.E. Freq.		3.48			0.00			0.00	0.83	26.79	5.51	OK
				S.L.E. Q.P.		2.60			0.00			0.00	0.62	20.01	4.12	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
					Trave 193 163 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40		
0.20	0.56	0.36	72361.8	41209.9	283754.2	168050.9	ø 8 2br. 75.0'
0.56	1.24	0.68	74025.3	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.24	1.60	0.36	74892.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
					Trave 163 133 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40		
0.05	0.40	0.35	74477.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.07	0.67	73606.7	36042.2	283754.2	126038.2	ø 8 2br. 100.0'
1.07	1.43	0.35	71951.8	40892.6	283754.2	168050.9	ø 8 2br. 75.0'
					Trave 133 94 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40		
0.40	0.74	0.34	51397.3	40484.0	283754.2	168050.9	ø 8 2br. 75.0'
0.74	1.90	1.16	53697.5	37013.3	283754.2	84025.5	ø 8 2br. 150.0'
1.90	2.24	0.34	54609.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
					Trave 94 70 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40		
0.05	0.40	0.35	53893.2	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.72	1.31	53023.9	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.72	2.07	0.35	49802.9	41924.0	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***28 Travata 189 159 129 90 66***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
189	0.20	312	382			6.07	41.14	0.13	-5.21	-49.62	0.14					
				S.L.E. Freq.		1.90			-1.69			0.36	0.42	14.70	13.21	OK
				S.L.E. Q.P.		0.31			0.00			0.00	0.07	2.39	0.48	OK
Camp.	0.90	402	402	3160.3	0.53	1.58	52.06	0.14	-4.85	-52.06	0.14					
				S.L.E. Freq.		0.00			-2.37			0.48	0.00	3.84	18.53	OK

				S.L.E. Q.P.		0.00			-1.92			0.39	0.00	3.10	14.97	OK
159	1.60	403	130			1.42	52.24	0.15	-5.65	-18.92	0.11					
				S.L.E. Freq.		0.00			-2.82			0.93	0.00	1.78	16.68	OK
				S.L.E. Q.P.		0.00			-2.95			0.97	0.00	1.87	17.44	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
159	0.05	403	130			1.46	52.24	0.15	-5.82	-18.92	0.11					
				S.L.E. Freq.		0.00			-2.81			0.93	0.00	2.01	11.42	OK
				S.L.E. Q.P.		0.00			-2.84			0.93	0.00	2.02	11.51	OK
Camp.	0.74	417	369	3160.3	0.53	5.03	53.84	0.14	-5.34	-48.04	0.13					
				S.L.E. Freq.		0.63			-1.61			0.33	0.13	4.75	12.55	OK
				S.L.E. Q.P.		0.00			-0.59			0.12	0.00	0.94	4.59	OK
129	1.44	565	373			10.19	71.79	0.16	-3.65	-48.54	0.13					
				S.L.E. Freq.		4.11			0.00			0.00	0.74	19.24	4.99	OK
				S.L.E. Q.P.		2.90			0.00			0.00	0.52	13.57	3.52	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
129	0.31	565	373			13.41	71.79	0.16	-3.80	-48.54	0.13					
				S.L.E. Freq.		6.38			0.00			0.00	1.15	34.92	7.51	OK
				S.L.E. Q.P.		4.63			0.00			0.00	0.83	25.32	5.45	OK
Camp.	1.27	402	402	3160.3	1.03	3.31	52.06	0.14	-5.09	-52.06	0.14					
				S.L.E. Freq.		0.00			-1.89			0.38	0.00	3.05	14.74	OK
				S.L.E. Q.P.		0.00			-1.55			0.31	0.00	2.50	12.09	OK
90	2.24	401	165			2.74	51.98	0.14	-10.89	-23.23	0.11					
				S.L.E. Freq.		0.00			-4.58			1.34	0.00	3.32	26.02	OK
				S.L.E. Q.P.		0.00			-5.17			1.52	0.00	3.75	29.39	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
90	0.05	401	165			2.83	51.98	0.14	-11.26	-23.23	0.11					
				S.L.E. Freq.		0.00			-4.73			1.39	0.00	3.77	18.15	OK
				S.L.E. Q.P.		0.00			-5.20			1.53	0.00	4.14	19.93	OK
Camp.	1.06	402	402	3160.3	1.03	5.65	52.06	0.14	-10.55	-52.06	0.14					
				S.L.E. Freq.		0.04			-3.78			0.76	0.01	6.11	29.52	OK
				S.L.E. Q.P.		0.00			-2.14			0.43	0.00	3.45	16.69	OK
66	2.08	265	402			14.11	35.36	0.12	-7.58	-52.07	0.14					
				S.L.E. Freq.		4.57			-0.32			0.07	1.09	35.26	7.25	OK
				S.L.E. Q.P.		3.46			0.00			0.00	0.82	26.63	5.48	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 189 159 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.20	0.56	0.36	72361.8	41209.9	283754.2	168050.9	ø 8 2br. 75.0'
0.56	1.24	0.68	74025.3	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.24	1.60	0.36	74892.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 159 129 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.05	0.40	0.35	74477.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.07	0.67	73606.7	36042.2	283754.2	126038.2	ø 8 2br. 100.0'
1.07	1.43	0.35	71951.8	40892.6	283754.2	168050.9	ø 8 2br. 75.0'
Trave 129 90 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.40	0.74	0.34	51397.3	40484.0	283754.2	168050.9	ø 8 2br. 75.0'
0.74	1.90	1.16	53697.5	37013.3	283754.2	84025.5	ø 8 2br. 150.0'
1.90	2.24	0.34	54609.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 90 66 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.05	0.40	0.35	53893.2	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.72	1.31	53023.9	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.72	2.07	0.35	49802.9	41924.0	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***32 Travata 185 155 125 86 62***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
185	0.20	312	382			6.14	41.14	0.13	-5.56	-49.62	0.14					
				S.L.E. Freq.		1.90			-1.90			0.40	0.43	14.73	14.78	OK
				S.L.E. Q.P.		0.21			0.00			0.00	0.05	1.60	0.32	OK
Camp.	0.90	402	402	3160.3	0.53	1.58	52.06	0.14	-4.96	-52.06	0.14					
				S.L.E. Freq.		0.00			-2.39			0.48	0.00	3.87	18.68	OK
				S.L.E. Q.P.		0.00			-1.93			0.39	0.00	3.12	15.08	OK
155	1.60	403	130			1.41	52.24	0.15	-5.64	-18.92	0.11					
				S.L.E. Freq.		0.00			-2.74			0.90	0.00	1.73	16.21	OK
				S.L.E. Q.P.		0.00			-2.88			0.95	0.00	1.82	17.00	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
155	0.05	403	130			1.46	52.24	0.15	-5.84	-18.92	0.11					
				S.L.E. Freq.		0.00			-2.72			0.89	0.00	1.94	11.03	OK
				S.L.E. Q.P.		0.00			-2.75			0.90	0.00	1.96	11.16	OK
Camp.	0.74	417	369	3160.3	0.53	5.81	53.84	0.14	-5.34	-48.04	0.13					
				S.L.E. Freq.		1.00			-1.43			0.30	0.20	7.56	11.10	OK
				S.L.E. Q.P.		0.00			-0.43			0.09	0.00	0.69	3.36	OK
125	1.44	565	373			11.22	71.79	0.16	-3.97	-48.54	0.13					
				S.L.E. Freq.		4.66			0.00			0.00	0.84	21.84	5.66	OK
				S.L.E. Q.P.		3.16			0.00			0.00	0.57	14.80	3.84	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
125	0.31	565	373			14.16	71.79	0.16	-4.33	-48.54	0.13					
				S.L.E. Freq.		6.44			0.00			0.00	1.16	35.26	7.59	OK
				S.L.E. Q.P.		4.77			0.00			0.00	0.86	26.07	5.61	OK
Camp.	1.27	402	402	3160.3	1.03	3.80	52.06	0.14	-5.36	-52.06	0.14					
				S.L.E. Freq.		0.00			-1.98			0.40	0.00	3.21	15.50	OK
				S.L.E. Q.P.		0.00			-1.48			0.30	0.00	2.39	11.56	OK
86	2.24	401	165			2.70	51.98	0.14	-10.75	-23.23	0.11					
				S.L.E. Freq.		0.00			-4.56			1.34	0.00	3.30	25.90	OK
				S.L.E. Q.P.		0.00			-5.17			1.52	0.00	3.75	29.36	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
86	0.05	401	165			2.77	51.98	0.14	-11.03	-23.23	0.11					
				S.L.E. Freq.		0.00			-4.71			1.38	0.00	3.75	18.07	OK
				S.L.E. Q.P.		0.00			-5.20			1.53	0.00	4.14	19.94	OK
Camp.	1.06	402	402	3160.3	1.03	6.08	52.06	0.14	-10.04	-52.06	0.14					
				S.L.E. Freq.		0.01			-3.78			0.76	0.00	6.11	29.53	OK
				S.L.E. Q.P.		0.00			-2.21			0.44	0.00	3.57	17.23	OK
62	2.08	265	402			14.82	35.36	0.12	-8.49	-52.07	0.14					
				S.L.E. Freq.		4.43			-0.34			0.07	1.05	34.14	7.02	OK
				S.L.E. Q.P.		3.32			0.00			0.00	0.79	25.58	5.26	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 185 155 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.20	0.56	0.36	72361.8	41209.9	283754.2	168050.9	ø 8 2br. 75.0'
0.56	1.24	0.68	74025.3	36042.2	283754.2	100830.5	ø 8 2br. 125.0'

1.24	1.60	0.36	74892.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 155 125 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.05	0.40	0.35	74477.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.07	0.67	73606.7	36042.2	283754.2	126038.2	ø 8 2br. 100.0'
1.07	1.43	0.35	71951.8	40892.6	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 125 86 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.40	0.74	0.34	51397.3	40484.0	283754.2	168050.9	ø 8 2br. 75.0'
0.74	1.90	1.16	53697.5	37013.3	283754.2	84025.5	ø 8 2br. 150.0'
1.90	2.24	0.34	54609.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 86 62 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.05	0.40	0.35	53893.2	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.72	1.31	53023.9	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.72	2.07	0.35	49802.9	41924.0	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***36 Travata 51 79 116***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
51	0.21	265	402			14.22	35.36	0.12	-9.63	-52.07	0.14					
				S.L.E. Freq.		5.12			-1.50			0.32	1.22	39.45	11.73	OK
				S.L.E. Q.P.		3.49			0.00			0.00	0.83	26.89	5.53	OK
Camp.	1.22	402	402	3160.3	1.03	6.31	52.06	0.14	-12.19	-52.06	0.14					
				S.L.E. Freq.		0.31			-4.48			0.90	0.06	7.25	35.02	OK
				S.L.E. Q.P.		0.00			-2.14			0.43	0.00	3.45	16.69	OK
79	2.24	396	160			3.10	51.34	0.14	-12.06	-22.63	0.11					
				S.L.E. Freq.		0.00			-4.94			1.47	0.00	3.89	19.48	OK
				S.L.E. Q.P.		0.00			-5.23			1.56	0.00	4.13	20.65	OK
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
79	0.05	396	160			2.83	51.34	0.14	-11.26	-22.63	0.11					
				S.L.E. Freq.		0.00			-4.73			1.41	0.00	3.31	26.57	OK
				S.L.E. Q.P.		0.00			-5.20			1.55	0.00	3.64	29.20	OK
Camp.	1.02	402	402	3160.3	1.03	4.21	52.06	0.14	-5.06	-52.06	0.14					
				S.L.E. Freq.		0.14			-1.94			0.39	0.03	3.14	15.16	OK
				S.L.E. Q.P.		0.00			-1.41			0.28	0.00	2.28	11.03	OK
116	1.98	344	402			15.66	44.96	0.13	-2.32	-52.07	0.14					
				S.L.E. Freq.		7.48			0.00			0.00	1.60	58.14	12.08	OK
				S.L.E. Q.P.		4.94			0.00			0.00	1.06	38.39	7.98	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
							Trave 51 79 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.22	0.57	0.35	49490.7	41924.0	283754.2	168050.9	ø 8 2br. 75.0'
0.57	1.89	1.31	52711.7	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.89	2.24	0.35	53581.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 79 116 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.05	0.39	0.34	56102.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.39	1.55	1.16	55190.4	36795.0	283754.2	84025.5	ø 8 2br. 150.0'
1.55	1.88	0.34	52055.6	41924.0	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***38 Travata 52 81 118***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
52	0.21	265	402			9.38	35.36	0.12	-5.25	-52.07	0.14					
				S.L.E. Freq.		3.67			-0.37			0.08	0.87	28.28	5.82	OK
				S.L.E. Q.P.		2.49			0.00			0.00	0.59	19.19	3.95	OK
Camp.	1.22	402	402	3160.3	1.03	3.36	52.06	0.14	-8.38	-52.06	0.14					
				S.L.E. Freq.		0.00			-3.35			0.68	0.00	5.42	26.20	OK
				S.L.E. Q.P.		0.00			-1.99			0.40	0.00	3.22	15.55	OK
81	2.24	396	160			2.20	51.34	0.14	-8.73	-22.63	0.11					
				S.L.E. Freq.		0.00			-4.00			1.19	0.00	3.16	15.79	OK
				S.L.E. Q.P.		0.00			-3.94			1.17	0.00	3.11	15.55	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
81	0.05	396	160			2.12	51.34	0.14	-8.42	-22.63	0.11					
				S.L.E. Freq.		0.00			-3.95			1.17	0.00	2.76	22.16	OK
				S.L.E. Q.P.		0.00			-3.89			1.16	0.00	2.72	21.86	OK
Camp.	1.02	402	402	3160.3	1.03	3.65	52.06	0.14	-4.94	-52.06	0.14					
				S.L.E. Freq.		0.23			-1.73			0.35	0.05	2.79	13.48	OK
				S.L.E. Q.P.		0.00			-0.97			0.20	0.00	1.57	7.60	OK
118	1.98	344	402			12.51	44.96	0.13	-1.06	-52.07	0.14					
				S.L.E. Freq.		6.09			0.00			0.00	1.30	47.31	9.83	OK
				S.L.E. Q.P.		4.61			0.00			0.00	0.99	35.82	7.44	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 52 81 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.22	0.57	0.35	49490.7	41924.0	283754.2	168050.9	ø 8 2br. 75.0'
0.57	1.89	1.31	52711.7	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.89	2.24	0.35	53581.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 81 118 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.05	0.39	0.34	56102.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.39	1.55	1.16	55190.4	36795.0	283754.2	84025.5	ø 8 2br. 150.0'
1.55	1.88	0.34	52055.6	41924.0	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***42 Travata 175 145 116***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
175	0.20	312	382			6.41	41.14	0.13	-6.17	-49.62	0.14					
				S.L.E. Freq.		1.68			-1.95			0.41	0.38	13.02	15.19	OK
				S.L.E. Q.P.		0.03			-0.08			0.02	0.01	0.23	0.60	OK
Camp.	0.90	402	402	3160.3	0.53	1.49	52.06	0.14	-5.23	-52.06	0.14					
				S.L.E. Freq.		0.00			-2.44			0.49	0.00	3.94	19.03	OK
				S.L.E. Q.P.		0.00			-2.03			0.41	0.00	3.29	15.87	OK
145	1.60	397	140			1.55	51.47	0.14	-5.65	-20.18	0.11					
				S.L.E. Freq.		0.00			-2.76			0.88	0.00	1.84	15.13	OK
				S.L.E. Q.P.		0.00			-2.85			0.90	0.00	1.90	15.62	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																

145	0.05	397	140			1.48	51.47	0.14	-5.91	-20.18	0.11					
				S.L.E. Freq.		0.00			-2.76			0.88	0.00	2.02	11.96	OK
				S.L.E. Q.P.		0.00			-2.71			0.86	0.00	1.98	11.72	OK
Camp.	0.74	402	379	3160.3	0.53	6.08	52.06	0.14	-5.58	-49.30	0.14					
				S.L.E. Freq.		1.17			-1.57			0.32	0.24	9.17	12.27	OK
				S.L.E. Q.P.		0.00			-0.40			0.08	0.00	0.65	3.15	OK
116	1.44	265	402			11.68	35.36	0.12	-3.80	-52.07	0.14					
				S.L.E. Freq.		4.69			0.00			0.00	1.12	36.15	7.44	OK
				S.L.E. Q.P.		3.66			0.00			0.00	0.87	28.22	5.81	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
				Trave 175 145 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40			
0.20	0.56	0.36	71807.4	41209.9	283754.2	168050.9	ø 8 2br. 75.0'
0.56	1.24	0.68	73470.9	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.24	1.60	0.36	74337.7	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
				Trave 145 116 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40			
0.05	0.40	0.35	76464.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.07	0.67	75593.0	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.07	1.43	0.35	73938.1	41924.0	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***43 Travata 177 147 118***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
									Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
177	0.20	312	382			3.70	41.14	0.13	-5.48	-49.62	0.14					
				S.L.E. Freq.		0.91			-2.09			0.44	0.20	7.04	16.28	OK
				S.L.E. Q.P.		0.00			-0.71			0.15	0.00	0.93	5.53	OK
Camp.	0.90	402	402	3160.3	0.53	0.60	52.06	0.14	-4.78	-52.06	0.14					
				S.L.E. Freq.		0.00			-2.38			0.48	0.00	3.85	18.58	OK
				S.L.E. Q.P.		0.00			-1.86			0.37	0.00	3.00	14.50	OK
147	1.60	397	140			1.38	51.47	0.14	-3.89	-20.18	0.11					
				S.L.E. Freq.		0.00			-1.91			0.61	0.00	1.27	10.48	OK
				S.L.E. Q.P.		0.00			-1.81			0.58	0.00	1.21	9.94	OK
									Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
147	0.05	397	140			0.90	51.47	0.14	-3.59	-20.18	0.11					
				S.L.E. Freq.		0.00			-1.82			0.58	0.00	1.33	7.89	OK
				S.L.E. Q.P.		0.00			-1.63			0.52	0.00	1.19	7.07	OK
Camp.	0.74	402	379	3160.3	0.53	5.10	52.06	0.14	-2.34	-49.30	0.14					
				S.L.E. Freq.		1.38			-0.40			0.08	0.28	10.77	3.15	OK
				S.L.E. Q.P.		0.84			-0.40			0.08	0.17	6.54	3.15	OK
118	1.44	265	402			10.12	35.36	0.12	0.00	-52.07	0.14					
				S.L.E. Freq.		4.91			0.00			0.00	1.17	37.83	7.78	OK
				S.L.E. Q.P.		4.50			0.00			0.00	1.07	34.68	7.13	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
				Trave 177 147 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40			
0.20	0.56	0.36	71807.4	41209.9	283754.2	168050.9	ø 8 2br. 75.0'
0.56	1.24	0.68	73470.9	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.24	1.60	0.36	74337.7	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
				Trave 147 118 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40			
0.05	0.40	0.35	76464.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.07	0.67	75593.0	36042.2	283754.2	100830.5	ø 8 2br. 125.0'

1.07	1.43	0.35	73938.1	41924.0	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***48 Travata 164 134 106***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
164	0.25	300	380			9.06	39.71	0.13	-6.28	-49.43	0.14					
				S.L.E. Freq.		3.35			-0.99			0.21	0.76	25.92	7.71	OK
				S.L.E. Q.P.		1.56			0.00			0.00	0.36	12.10	2.40	OK
Camp.	1.26	402	402	4299.4	1.42	2.45	52.06	0.14	-6.94	-52.06	0.14					
				S.L.E. Freq.		0.00			-3.30			0.66	0.00	5.33	25.75	OK
				S.L.E. Q.P.		0.00			-2.73			0.55	0.00	4.41	21.32	OK
134	2.26	399	185			1.75	51.66	0.14	-6.45	-25.71	0.11					
				S.L.E. Freq.		0.00			-3.05			0.85	0.00	2.49	17.38	OK
				S.L.E. Q.P.		0.00			-3.71			1.03	0.00	3.03	21.13	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
134	0.03	399	185			1.52	51.66	0.14	-6.03	-25.71	0.11					
				S.L.E. Freq.		0.00			-2.95			0.82	0.00	2.48	14.50	OK
				S.L.E. Q.P.		0.00			-3.59			1.00	0.00	3.02	17.63	OK
Camp.	1.09	402	402	4299.4	1.42	7.06	52.06	0.14	-3.57	-52.06	0.14					
				S.L.E. Freq.		2.37			-0.97			0.20	0.48	18.52	7.57	OK
				S.L.E. Q.P.		1.07			-1.01			0.20	0.22	8.37	7.85	OK
106	2.15	245	402			18.05	32.92	0.12	0.00	-52.08	0.14					
				S.L.E. Freq.		9.46			0.00			0.00	2.33	72.73	14.84	OK
				S.L.E. Q.P.		9.13			0.00			0.00	2.25	70.22	14.33	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 164 134 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.30	0.64	0.35	48425.9	41153.7	283754.2	168050.9	ø 8 2br. 75.0'
0.64	1.91	1.27	52576.7	36721.0	283754.2	84025.5	ø 8 2br. 150.0'
1.91	2.26	0.35	53877.2	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 134 106 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.03	0.39	0.36	52239.7	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.39	1.79	1.40	51322.3	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.79	2.15	0.36	47050.3	41924.0	283754.2	168050.9	ø 8 2br. 75.0'

-Travata: ***58 Travata 106 71 49***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40 **Area tirante a taglio insufficiente**																
106	0.21	300	402			18.12	39.71	0.13	0.00	-52.07	0.14					
				S.L.E. Freq.		8.41			0.00			0.00	1.90	65.06	13.49	OK
				S.L.E. Q.P.		9.83			0.00			0.00	2.22	76.09	15.77	OK
Camp.	1.69	402	402	4727.2	3.01	2.16	52.06	0.14	-9.91	-52.06	0.14					
				S.L.E. Freq.		0.00			-4.17			0.84	0.00	6.75	32.61	OK
				S.L.E. Q.P.		0.00			-3.41			0.69	0.00	5.51	26.62	OK
71	3.16	483	151			4.29	61.86	0.16	-17.06	-21.60	0.11					
				S.L.E. Freq.		0.00			-7.52			2.26	0.00	6.28	46.90	OK
				S.L.E. Q.P.		0.00			-9.13			2.74	0.00	7.63	56.99	OK

Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40 **Area tirante a taglio insufficiente**																
71	0.03	483	151			4.25	61.86	0.16	-16.92	-21.60	0.11					
				S.L.E. Freq.		0.00			-7.45			2.24	0.00	6.65	37.16	OK
				S.L.E. Q.P.		0.00			-9.09			2.73	0.00	8.12	45.35	OK
Camp.	1.54	402	402	4727.2	3.01	2.35	52.06	0.14	-6.26	-52.06	0.14					
				S.L.E. Freq.		0.00			-2.73			0.55	0.00	4.42	21.35	OK
				S.L.E. Q.P.		0.00			-2.33			0.47	0.00	3.77	18.23	OK
49	3.05	245	402			23.74	32.92	0.12	0.00	-52.08	0.14					
				S.L.E. Freq.		11.24			0.00			0.00	2.77	86.46	17.64	OK
				S.L.E. Q.P.		12.26			0.00			0.00	3.02	94.30	19.24	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 106 71 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.23	0.58	0.35	35318.3	41924.0	283754.2	168050.9	ø 8 2br. 75.0'
0.58	2.80	2.22	42840.1	36077.2	283754.2	63019.1	ø 8 2br. 200.0'
2.80	3.16	0.35	44285.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 71 49 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.03	0.39	0.36	42572.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.39	2.69	2.30	41654.7	36042.2	283754.2	63019.1	ø 8 2br. 200.0'
2.69	3.05	0.36	34108.3	41924.0	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***65 Travata 82 121 151 181***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
82	0.05	164	278			3.04	23.08	0.11	-12.10	-36.90	0.12					
				S.L.E. Freq.		0.00			-4.45			1.12	0.00	3.31	34.28	OK
				S.L.E. Q.P.		0.00			-5.44			1.36	0.00	4.05	41.90	OK
Camp.	1.02	402	402	3160.3	1.03	7.70	52.06	0.14	-8.18	-52.06	0.14					
				S.L.E. Freq.		1.74			-3.04			0.61	0.35	13.57	23.76	OK
				S.L.E. Q.P.		0.00			-0.91			0.18	0.00	1.48	7.14	OK
121	1.98	563	368			19.53	71.51	0.16	-4.63	-47.86	0.13					
				S.L.E. Freq.		8.32			0.00			0.00	1.50	45.44	9.63	OK
				S.L.E. Q.P.		6.42			0.00			0.00	1.16	35.04	7.43	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
121	0.21	563	368			17.74	71.51	0.16	-9.96	-47.86	0.13					
				S.L.E. Freq.		7.88			-2.69			0.54	1.42	37.05	17.20	OK
				S.L.E. Q.P.		3.25			0.00			0.00	0.59	15.30	3.96	OK
Camp.	0.90	402	369	3160.3	0.53	10.28	52.06	0.14	-9.27	-48.04	0.13					
				S.L.E. Freq.		2.92			-3.14			0.65	0.60	22.83	24.48	OK
				S.L.E. Q.P.		0.00			-0.40			0.08	0.00	0.65	3.15	OK
151	1.60	403	130			2.50	52.24	0.15	-7.00	-18.92	0.11					
				S.L.E. Freq.		0.00			-2.49			0.82	0.00	1.78	10.12	OK
				S.L.E. Q.P.		0.00			-2.73			0.90	0.00	1.95	11.08	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
151	0.05	403	130			2.58	52.24	0.15	-5.97	-18.92	0.11					
				S.L.E. Freq.		0.00			-2.57			0.85	0.00	1.63	15.19	OK
				S.L.E. Q.P.		0.00			-2.86			0.94	0.00	1.81	16.90	OK
Camp.	0.75	402	402	3160.3	0.53	4.24	52.06	0.14	-7.95	-52.06	0.14					
				S.L.E. Freq.		0.31			-3.25			0.66	0.06	5.26	25.40	OK
				S.L.E. Q.P.		0.00			-2.00			0.40	0.00	3.23	15.62	OK
181	1.44	312	382			10.48	41.14	0.13	-10.15	-49.62	0.14					
				S.L.E. Freq.		4.00			-4.06			0.86	0.90	30.99	31.68	OK

			S.L.E. Q.P.	0.05			-0.03			0.01	0.01	0.39	0.20	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
							Trave 82 121 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.05	0.39	0.34	54333.8	37056.7	283754.2	168050.9	ø 8 2br. 75.0'
0.39	1.55	1.16	57463.6	41924.0	283754.2	84025.5	ø 8 2br. 150.0'
1.55	1.88	0.34	58376.1	40272.5	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 121 151 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.22	0.57	0.35	71459.3	40685.5	283754.2	168050.9	ø 8 2br. 75.0'
0.57	1.24	0.67	73114.2	36042.2	283754.2	126038.2	ø 8 2br. 100.0'
1.24	1.60	0.35	73985.3	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 151 181 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.05	0.40	0.36	74892.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.09	0.68	74025.3	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.09	1.44	0.36	72361.8	41209.9	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***66 Travata 82 49***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
82	0.05	201	227			2.69	27.49	0.11	-10.69	-30.76	0.11					
				S.L.E. Freq.		0.00			-4.53			1.22	0.00	3.95	34.66	OK
				S.L.E. Q.P.		0.00			-5.54			1.49	0.00	4.83	42.45	OK
Camp.	1.13	402	402	3160.3	1.03	1.74	52.06	0.14	-6.56	-52.06	0.14					
				S.L.E. Freq.		0.00			-3.06			0.62	0.00	4.94	23.87	OK
				S.L.E. Q.P.		0.00			-2.91			0.59	0.00	4.70	22.71	OK
49	2.21	217	350			9.94	29.52	0.12	-5.23	-45.79	0.13					
				S.L.E. Freq.		3.54			-0.33			0.07	0.93	27.14	4.89	OK
				S.L.E. Q.P.		2.56			0.00			0.00	0.67	19.60	3.53	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
							Trave 82 49 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.05	0.41	0.36	36621.3	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.41	1.85	1.45	35755.9	41924.0	283754.2	50415.3	ø 8 2br. 250.0'
1.85	2.21	0.36	32241.6	40042.4	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***7 Travata 109 138 168***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
109	0.21	265	402			16.72	35.36	0.12	-10.61	-52.07	0.14					
				S.L.E. Freq.		7.05			-3.20			0.67	1.68	54.36	25.02	OK
				S.L.E. Q.P.		2.41			0.00			0.00	0.57	18.57	3.82	OK
Camp.	0.90	402	379	3160.3	0.53	9.39	52.06	0.14	-9.62	-49.30	0.14					
				S.L.E. Freq.		2.31			-3.43			0.71	0.47	18.06	26.71	OK
				S.L.E. Q.P.		0.00			-0.88			0.18	0.00	1.43	6.89	OK
138	1.60	397	140			2.67	51.47	0.14	-6.97	-20.18	0.11					
				S.L.E. Freq.		0.00			-2.74			0.87	0.00	2.00	11.84	OK
				S.L.E. Q.P.		0.00			-2.99			0.95	0.00	2.18	12.93	OK

Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
138	0.05	397	140			2.69	51.47	0.14	-5.99	-20.18	0.11					
				S.L.E. Freq.		0.00			-2.78			0.88	0.00	1.85	15.23	OK
				S.L.E. Q.P.		0.00			-3.08			0.98	0.00	2.05	16.87	OK
Camp.	0.75	402	402	3160.3	0.53	4.62	52.06	0.14	-8.40	-52.06	0.14					
				S.L.E. Freq.		0.50			-3.42			0.69	0.10	5.52	26.69	OK
				S.L.E. Q.P.		0.00			-2.03			0.41	0.00	3.27	15.82	OK
168	1.44	312	382			11.10	41.14	0.13	-10.58	-49.62	0.14					
				S.L.E. Freq.		4.40			-4.03			0.85	0.98	34.07	31.44	OK
				S.L.E. Q.P.		0.22			0.00			0.00	0.05	1.68	0.34	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 109 138 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.22	0.57	0.35	73938.1	41924.0	283754.2	168050.9	ø 8 2br. 75.0'
0.57	1.24	0.67	75593.0	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.24	1.60	0.35	76464.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 138 168 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.05	0.40	0.36	74337.7	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.09	0.68	73470.9	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.09	1.44	0.36	71807.4	41209.9	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***70 Travata 1 2 3 4 5 6***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
1	0.15	817	1131			18.88	165.65	0.07	-21.42	-226.98	0.08					
				S.L.E. Freq.		5.08			-9.30			0.28	0.17	8.11	14.98	OK
				S.L.E. Q.P.		0.00			-2.20			0.07	0.00	0.40	3.55	OK
Camp.	1.43	1206	1206			19.16	241.94	0.08	-5.34	-241.94	0.08					
				S.L.E. Freq.		8.93			0.00			0.00	0.25	14.39	2.28	OK
				S.L.E. Q.P.		5.83			0.00			0.00	0.17	9.39	1.49	OK
2	2.70	1251	2413			27.79	251.27	0.08	-18.55	-470.97	0.11					
				S.L.E. Freq.		13.15			-2.24			0.05	0.34	18.79	2.93	OK
				S.L.E. Q.P.		4.03			0.00			0.00	0.10	5.76	0.90	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
2	0.50	1251	2413			36.10	251.27	0.08	-27.84	-470.97	0.11					
				S.L.E. Freq.		15.19			-9.36			0.20	0.39	21.02	7.72	OK
				S.L.E. Q.P.		1.87			0.00			0.00	0.05	2.59	0.42	OK
Camp.	2.22	1206	1206			20.97	241.94	0.08	-13.59	-241.94	0.08					
				S.L.E. Freq.		4.92			-0.40			0.01	0.14	7.93	1.26	OK
				S.L.E. Q.P.		3.23			0.00			0.00	0.09	5.20	0.83	OK
3	3.95	1243	2413			19.05	249.78	0.08	-18.51	-470.94	0.11					
				S.L.E. Freq.		6.78			-6.69			0.15	0.17	9.44	5.52	OK
				S.L.E. Q.P.		0.00			-0.78			0.02	0.00	0.16	0.64	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
3	0.50	1243	2413			8.54	249.78	0.08	-15.40	-470.94	0.11					
				S.L.E. Freq.		0.00			-3.64			0.08	0.00	0.77	3.00	OK

				S.L.E. Q.P.		0.00			-3.12			0.07	0.00	0.66	2.57	OK
Camp.	2.10	1206	1206			2.94	241.94	0.08	-3.18	-241.94	0.08					
				S.L.E. Freq.		0.74			-0.81			0.02	0.02	1.19	1.31	OK
				S.L.E. Q.P.		0.45			0.00			0.00	0.01	0.72	0.11	OK
4	3.70	1327	2413			4.00	266.23	0.08	-12.74	-471.27	0.11					
				S.L.E. Freq.		0.00			-4.54			0.10	0.00	1.02	3.75	OK
				S.L.E. Q.P.		0.00			-4.43			0.10	0.00	1.00	3.65	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
4	0.50	1327	2413			10.75	266.23	0.08	-17.52	-471.27	0.11					
				S.L.E. Freq.		0.88			-3.73			0.08	0.02	1.16	3.07	OK
				S.L.E. Q.P.		0.00			-3.19			0.07	0.00	0.65	2.63	OK
Camp.	3.13	1206	1206			8.38	241.94	0.08	-2.34	-241.94	0.08					
				S.L.E. Freq.		2.68			0.00			0.00	0.08	4.32	0.69	OK
				S.L.E. Q.P.		2.77			0.00			0.00	0.08	4.47	0.71	OK
5	5.75	1336	2413			27.12	268.05	0.08	-27.45	-471.30	0.11					
				S.L.E. Freq.		5.85			-9.95			0.21	0.15	7.59	8.20	OK
				S.L.E. Q.P.		0.00			-3.97			0.09	0.00	0.81	3.27	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
5	0.50	1336	2413			15.50	268.05	0.08	-22.29	-471.30	0.11					
				S.L.E. Freq.		2.88			-8.64			0.19	0.07	4.15	7.12	OK
				S.L.E. Q.P.		0.00			-5.64			0.12	0.00	1.28	4.65	OK
Camp.	1.72	1206	1206			26.48	241.94	0.08	-29.20	-241.94	0.08					
				S.L.E. Freq.		7.91			-9.10			0.26	0.22	12.75	14.66	OK
				S.L.E. Q.P.		0.00			-0.60			0.02	0.00	0.15	0.97	OK
6	2.95	1206	1206			54.61	241.94	0.08	-53.29	-241.94	0.08					
				S.L.E. Freq.		21.31			-20.75			0.59	0.60	34.35	33.45	OK
				S.L.E. Q.P.		0.71			0.00			0.00	0.02	1.15	0.18	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	TSd [kNm]	Trd1 [kNm]	Trd2 [kNm]	Staffe
Trave di fondazione 1 2 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.15	2.43	2.28	27362.6	196877.1	1772666.7	393692.3	25915.8	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 2 3 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.76	3.69	2.94	19435.7	196877.1	1772666.7	393692.3	4401.7	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 3 4 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.75	3.45	2.69	12074.3	196877.1	1772666.7	393692.3	2741.2	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 4 5 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.77	5.48	4.71	18840.2	196877.1	1772666.7	393692.3	1701.9	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 5 6 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.74	2.71	1.97	29383.2	196877.1	1772666.7	393692.3	14129.5	421647.9	263686.0	ø 8 2br. 50.0'

- Travata: ***72 Travata 13 14 15 16 17 18***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																

13	0.15	817	1131			24.03	165.65	0.07	-12.30	-226.98	0.08					
				S.L.E. Freq.		8.71			-3.12			0.09	0.29	13.90	5.02	OK
				S.L.E. Q.P.		3.53			0.00			0.00	0.12	5.63	0.87	OK
Camp.	1.55	1206	1206			20.22	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		11.61			0.00			0.00	0.33	18.71	2.97	OK
				S.L.E. Q.P.		11.09			0.00			0.00	0.31	17.88	2.84	OK
14	2.95	801	2413			12.63	162.54	0.08	-46.50	-469.05	0.12					
				S.L.E. Freq.		0.00			-22.09			0.50	0.00	2.83	18.26	OK
				S.L.E. Q.P.		0.00			-21.23			0.48	0.00	2.72	17.56	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
14	0.25	801	2413			12.25	162.54	0.08	-49.02	-469.05	0.12					
				S.L.E. Freq.		0.00			-24.15			0.54	0.00	3.01	19.97	OK
				S.L.E. Q.P.		0.00			-18.66			0.42	0.00	2.32	15.43	OK
Camp.	2.29	1206	1206			23.17	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		13.35			0.00			0.00	0.38	21.51	3.41	OK
				S.L.E. Q.P.		14.94			0.00			0.00	0.42	24.08	3.82	OK
15	4.33	521	1810			14.22	106.63	0.07	-19.04	-355.90	0.10					
				S.L.E. Freq.		0.00			-7.77			0.20	0.00	0.72	8.49	OK
				S.L.E. Q.P.		0.00			-6.63			0.17	0.00	0.61	7.24	OK
Trave di fondazione Sez. 3 Rett. 400x600 [mm] trave coll.40x60																
15	0.13	404	1810			4.17	81.63	0.08	-14.15	-339.09	0.22					
				S.L.E. Freq.		0.00			-4.65			0.21	0.00	0.85	5.27	OK
				S.L.E. Q.P.		0.00			-5.52			0.25	0.00	1.01	6.26	OK
Camp.	2.10	603	603			0.32	120.21	0.09	-3.35	-120.21	0.09					
				S.L.E. Freq.		0.00			-1.99			0.13	0.00	1.20	6.44	OK
				S.L.E. Q.P.		0.00			-1.23			0.08	0.00	0.74	3.98	OK
16	4.08	347	1206			4.17	70.25	0.08	-16.49	-231.81	0.14					
				S.L.E. Freq.		0.00			-5.79			0.30	0.00	1.41	9.66	OK
				S.L.E. Q.P.		0.00			-7.92			0.41	0.00	1.92	13.21	OK
Trave di fondazione Sez. 3 Rett. 400x600 [mm] trave coll.40x60																
16	0.13	347	1206			6.71	70.25	0.08	-16.98	-231.81	0.14					
				S.L.E. Freq.		0.00			-4.16			0.22	0.00	0.82	6.95	OK
				S.L.E. Q.P.		0.00			-5.83			0.30	0.00	1.15	9.73	OK
Camp.	3.13	603	603			9.35	120.21	0.09	-0.62	-120.21	0.09					
				S.L.E. Freq.		2.90			0.00			0.00	0.18	9.41	1.75	OK
				S.L.E. Q.P.		4.12			0.00			0.00	0.26	13.36	2.48	OK
17	6.13	324	1206			8.18	65.84	0.08	-21.83	-231.66	0.15					
				S.L.E. Freq.		1.41			-7.58			0.39	0.10	2.64	12.66	OK
				S.L.E. Q.P.		0.00			-6.98			0.36	0.00	1.26	11.65	OK
Trave di fondazione Sez. 3 Rett. 400x600 [mm] trave coll.40x60																
17	0.13	324	1206			5.47	65.84	0.08	-20.60	-231.66	0.15					
				S.L.E. Freq.		0.00			-8.62			0.45	0.00	2.07	14.39	OK
				S.L.E. Q.P.		0.00			-9.84			0.51	0.00	2.36	16.43	OK
Camp.	1.72	603	603			11.59	120.21	0.09	-12.44	-120.21	0.09					

				S.L.E. Freq.		2.85			-4.16			0.26	0.18	9.25	13.49	OK
				S.L.E. Q.P.		0.00			-0.52			0.03	0.00	0.32	1.70	OK
18	3.32	408	565			28.36	82.36	0.08	-21.71	-112.70	0.08					
				S.L.E. Freq.		11.39			-7.69			0.52	0.85	36.55	24.92	OK
				S.L.E. Q.P.		2.95			0.00			0.00	0.22	9.45	1.75	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	TSd [kNm]	Trd1 [kNm]	Trd2 [kNm]	Staffe
Trave di fondazione 13 14 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.15	2.90	2.75	65152.7	196877.1	1772666.7	393692.3	4740.3	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 14 15 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.30	4.33	4.03	53350.1	196877.1	1772666.7	393692.3	8854.6	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 15 16 Sez. 3 Rett. 400x600 [mm] trave coll.40x60										
0.13	4.08	3.95	10108.2	78750.8	709066.6	131230.8	3159.6	108213.6	35246.6	ø 8 2br. 150.0'
Trave di fondazione 16 17 Sez. 3 Rett. 400x600 [mm] trave coll.40x60										
0.13	6.13	6.00	14732.8	78750.8	709066.6	131230.8	688.3	108213.6	35246.6	ø 8 2br. 150.0'
Trave di fondazione 17 18 Sez. 3 Rett. 400x600 [mm] trave coll.40x60										
0.13	3.32	3.20	19340.8	78750.8	709066.6	131230.8	2438.0	108213.6	35246.6	ø 8 2br. 150.0'

- Travata: ***73 Travata 19 20 21***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
19	0.15	817	1131			20.71	165.65	0.07	-1.99	-226.98	0.08					
				S.L.E. Freq.		7.18			0.00			0.00	0.24	11.45	1.78	OK
				S.L.E. Q.P.		6.30			0.00			0.00	0.21	10.06	1.56	OK
Camp.	1.55	1206	1206			20.05	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		10.45			0.00			0.00	0.30	16.85	2.67	OK
				S.L.E. Q.P.		9.50			0.00			0.00	0.27	15.32	2.43	OK
20	2.95	811	2413			14.86	164.63	0.08	-58.72	-469.10	0.12					
				S.L.E. Freq.		0.00			-33.37			0.75	0.00	4.27	27.59	OK
				S.L.E. Q.P.		0.00			-35.40			0.79	0.00	4.53	29.27	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
20	0.25	811	2413			13.75	164.63	0.08	-55.08	-469.10	0.12					
				S.L.E. Freq.		0.00			-31.04			0.70	0.00	3.93	25.66	OK
				S.L.E. Q.P.		0.00			-35.41			0.80	0.00	4.48	29.28	OK
Camp.	2.23	1206	1206			39.66	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		20.87			0.00			0.00	0.59	33.64	5.34	OK
				S.L.E. Q.P.		23.56			0.00			0.00	0.67	37.98	6.02	OK
21	4.20	894	1206			35.90	180.97	0.07	-19.94	-241.67	0.08					
				S.L.E. Freq.		8.11			-3.09			0.09	0.26	12.96	4.98	OK
				S.L.E. Q.P.		4.30			-0.03			0.00	0.14	6.87	1.12	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	TSd [kNm]	Trd1 [kNm]	Trd2 [kNm]	Staffe
Trave di fondazione 19 20 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.15	2.90	2.75	81039.2	196877.1	1772666.7	393692.3	6520.5	421647.9	263686.0	ø 8 2br. 50.0'

Trave di fondazione 20 21 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.30	4.15	3.85	73788.8	196877.1	1772666.7	393692.3	4115.5	421647.9	263686.0	ø 8 2br. 50.0'

- Travata: ***74 Travata 22 23 24***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
22	0.15	817	1131			23.39	165.65	0.07	-3.01	-226.98	0.08					
				S.L.E. Freq.		8.92			0.00			0.00	0.30	14.23	2.21	OK
				S.L.E. Q.P.		7.58			0.00			0.00	0.25	12.10	1.88	OK
Camp.	1.55	1206	1206			20.01	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		9.77			0.00			0.00	0.28	15.75	2.50	OK
				S.L.E. Q.P.		8.57			0.00			0.00	0.24	13.81	2.19	OK
23	2.95	811	2413			15.48	164.63	0.08	-61.17	-469.10	0.12					
				S.L.E. Freq.		0.00			-35.34			0.79	0.00	4.52	29.22	OK
				S.L.E. Q.P.		0.00			-37.49			0.84	0.00	4.80	31.00	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
23	0.25	811	2413			14.24	164.63	0.08	-57.02	-469.10	0.12					
				S.L.E. Freq.		0.00			-32.62			0.73	0.00	4.13	26.97	OK
				S.L.E. Q.P.		0.00			-37.20			0.84	0.00	4.71	30.76	OK
Camp.	2.23	1206	1206			40.67	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		21.10			0.00			0.00	0.60	34.00	5.39	OK
				S.L.E. Q.P.		23.93			0.00			0.00	0.68	38.57	6.12	OK
24	4.20	894	1206			36.48	180.97	0.07	-19.61	-241.67	0.08					
				S.L.E. Freq.		8.91			-2.98			0.09	0.29	14.25	4.81	OK
				S.L.E. Q.P.		4.68			-0.03			0.00	0.15	7.48	1.22	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	TSd [kNm]	Trd1 [kNm]	Trd2 [kNm]	Staffe
Trave di fondazione 22 23 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.15	2.90	2.75	82825.0	196877.1	1772666.7	393692.3	10328.6	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 23 24 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.30	4.15	3.85	76238.8	196877.1	1772666.7	393692.3	4416.6	421647.9	263686.0	ø 8 2br. 50.0'

- Travata: ***75 Travata 25 26 27***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
25	0.15	817	1131			9.74	165.65	0.07	-3.77	-226.98	0.08					
				S.L.E. Freq.		0.71			-0.52			0.02	0.02	1.14	0.83	OK

				S.L.E. Q.P.		0.02			-0.57			0.02	0.00	0.10	0.91	OK
Camp.	1.55	1206	1206			15.71	241.94	0.08	-11.64	-241.94	0.08					
				S.L.E. Freq.		6.66			-2.44			0.07	0.19	10.73	3.93	OK
				S.L.E. Q.P.		2.37			0.00			0.00	0.07	3.82	0.61	OK
26	2.95	811	2413			9.55	164.63	0.08	-37.75	-469.10	0.12					
				S.L.E. Freq.		0.00			-20.17			0.45	0.00	2.58	16.68	OK
				S.L.E. Q.P.		0.00			-18.66			0.42	0.00	2.39	15.43	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
26	0.25	811	2413			9.91	164.63	0.08	-39.65	-469.10	0.12					
				S.L.E. Freq.		0.00			-22.22			0.50	0.00	2.81	18.37	OK
				S.L.E. Q.P.		0.00			-17.75			0.40	0.00	2.25	14.68	OK
Camp.	2.23	1206	1206			49.42	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		25.86			0.00			0.00	0.73	41.68	6.61	OK
				S.L.E. Q.P.		22.97			0.00			0.00	0.65	37.02	5.87	OK
27	4.20	894	1206			29.20	180.97	0.07	-11.64	-241.67	0.08					
				S.L.E. Freq.		7.10			-1.37			0.04	0.23	11.35	2.21	OK
				S.L.E. Q.P.		3.59			-0.03			0.00	0.11	5.74	0.94	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	TSd [kNm]	Trd1 [kNm]	Trd2 [kNm]	Staffe
Trave di fondazione 25 26 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.15	2.90	2.75	37871.0	196877.1	1772666.7	393692.3	11756.7	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 26 27 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.30	4.15	3.85	51967.8	196877.1	1772666.7	393692.3	10175.7	421647.9	263686.0	ø 8 2br. 50.0'

- Travata: ***81 Travata 49 53 54 50 55 56 57 51 58 52***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
49	0.13	249	387			14.88	33.48	0.12	0.00	-50.24	0.14					
				S.L.E. Freq.		6.86			0.00			0.00	1.68	52.80	10.48	OK
				S.L.E. Q.P.		8.28			0.00			0.00	2.03	63.69	12.64	OK
Camp.	0.76	406	346	6580.0	0.81	8.85	52.54	0.14	-2.10	-45.26	0.13					
				S.L.E. Freq.		2.85			-0.42			0.09	0.58	22.02	4.07	OK
				S.L.E. Q.P.		2.70			-0.49			0.11	0.55	20.90	3.86	OK
53	1.40	410	136			2.14	53.00	0.15	-3.80	-19.69	0.11					
				S.L.E. Freq.		0.31			-1.11			0.36	0.07	1.31	5.74	OK
				S.L.E. Q.P.		0.00			-1.20			0.39	0.00	0.85	6.20	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
53	0.00	410	136			1.17	53.00	0.15	-4.25	-19.69	0.11					
				S.L.E. Freq.		0.32			-1.12			0.36	0.07	1.34	5.36	OK
				S.L.E. Q.P.		0.00			-1.19			0.38	0.00	0.83	5.73	OK
Camp.	0.70	402	367	7344.1	0.90	0.19	52.06	0.14	-4.52	-47.75	0.13					
				S.L.E. Freq.		0.00			-1.57			0.33	0.00	2.53	12.20	OK
				S.L.E. Q.P.		0.00			-1.81			0.38	0.00	2.93	14.13	OK
54	1.40	401	135			2.78	51.96	0.14	-3.28	-19.55	0.11					
				S.L.E. Freq.		0.46			-0.64			0.21	0.10	1.94	3.11	OK
				S.L.E. Q.P.		0.00			-0.25			0.08	0.00	0.17	1.21	OK

												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
54	0.00	401	135			4.69	51.96	0.14	-3.27	-19.55	0.11					
				S.L.E. Freq.		0.50			-0.67			0.22	0.11	2.08	3.44	OK
				S.L.E. Q.P.		0.00			-0.25			0.08	0.00	0.17	1.28	OK
Camp.	0.64	401	345	7344.1	0.90	13.17	51.94	0.14	-1.01	-45.13	0.13					
				S.L.E. Freq.		4.09			-0.44			0.09	0.84	31.63	5.84	OK
				S.L.E. Q.P.		5.41			-0.54			0.12	1.11	41.82	7.72	OK
50	1.28	473	394			23.48	60.70	0.15	0.00	-51.06	0.14					
				S.L.E. Freq.		9.83			0.00			0.00	1.87	45.12	11.27	OK
				S.L.E. Q.P.		12.87			0.00			0.00	2.45	59.06	14.75	OK
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
50	0.12	473	394			32.89	60.70	0.15	0.00	-51.06	0.14					
				S.L.E. Freq.		13.19			0.00			0.00	2.51	60.18	14.93	OK
				S.L.E. Q.P.		17.13			0.00			0.00	3.26	78.15	19.39	OK
Camp.	0.84	402	377	7344.1	1.12	14.49	52.06	0.14	-2.48	-49.06	0.13					
				S.L.E. Freq.		3.41			-0.55			0.11	0.69	26.66	5.24	OK
				S.L.E. Q.P.		4.40			-0.67			0.14	0.89	34.38	6.76	OK
55	1.56	354	140			2.59	46.25	0.13	-10.38	-20.15	0.11					
				S.L.E. Freq.		0.00			-4.65			1.49	0.00	3.31	22.47	OK
				S.L.E. Q.P.		0.00			-6.03			1.93	0.00	4.30	29.13	OK
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
55	0.00	350	140			6.49	45.78	0.13	-12.77	-20.15	0.11					
				S.L.E. Freq.		0.00			-4.63			1.48	0.00	3.61	23.44	OK
				S.L.E. Q.P.		0.00			-6.01			1.92	0.00	4.68	30.41	OK
Camp.	0.78	308	402	7344.1	1.12	0.00	40.74	0.13	-21.91	-52.08	0.14					
				S.L.E. Freq.		0.00			-9.05			1.88	0.00	15.57	70.68	OK
				S.L.E. Q.P.		0.00			-11.66			2.42	0.00	20.06	91.04	OK
56	1.57	309	144			6.49	40.90	0.12	-25.94	-20.61	0.10					
				S.L.E. Freq.		0.00			-11.23			3.56	0.00	9.06	55.15	OK
				S.L.E. Q.P.		0.00			-14.58			4.62	0.00	11.76	71.59	OK
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
56	0.00	309	144			6.46	40.90	0.12	-25.85	-20.61	0.10					
				S.L.E. Freq.		0.00			-11.23			3.56	0.00	9.06	55.16	OK
				S.L.E. Q.P.		0.00			-14.58			4.62	0.00	11.76	71.62	OK
Camp.	0.78	308	402	7344.1	1.12	0.00	40.74	0.13	-22.93	-52.08	0.14					
				S.L.E. Freq.		0.00			-9.03			1.87	0.00	15.53	70.49	OK
				S.L.E. Q.P.		0.00			-11.65			2.41	0.00	20.04	90.98	OK
57	1.57	350	140			6.46	45.78	0.13	-15.20	-20.15	0.11					
				S.L.E. Freq.		0.00			-4.73			1.51	0.00	3.68	23.95	OK
				S.L.E. Q.P.		0.00			-5.99			1.91	0.00	4.66	30.31	OK
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
57	0.00	354	140			3.23	46.25	0.13	-12.92	-20.15	0.11					
				S.L.E. Freq.		0.00			-4.70			1.50	0.00	3.35	22.68	OK
				S.L.E. Q.P.		0.00			-6.02			1.92	0.00	4.29	29.08	OK
Camp.	0.72	402	377	7344.1	1.12	14.27	52.06	0.14	-2.16	-49.06	0.13					
				S.L.E. Freq.		3.77			-0.55			0.11	0.77	29.48	5.80	OK
				S.L.E. Q.P.		4.42			-0.67			0.14	0.90	34.56	6.80	OK
51	1.43	477	385			31.29	61.17	0.15	0.00	-50.02	0.14					
				S.L.E. Freq.		13.30			0.00			0.00	2.53	60.18	15.11	OK
				S.L.E. Q.P.		17.17			0.00			0.00	3.27	77.71	19.51	OK
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
51	0.13	477	240			32.08	61.18	0.16	-3.21	-32.43	0.12					
				S.L.E. Freq.		12.56			0.00			0.00	2.50	58.02	9.38	OK

				S.L.E. Q.P.		12.96			0.00			0.00	2.58	59.88	9.68	OK
Camp.	0.93	402	402	7344.1	1.37	14.13	52.06	0.14	-1.83	-52.06	0.14					
				S.L.E. Freq.		3.74			-0.67			0.14	0.75	29.24	6.05	OK
				S.L.E. Q.P.		3.91			-0.82			0.17	0.79	30.52	6.41	OK
58	1.73	402	125			3.47	52.06	0.15	-8.50	-18.37	0.11					
				S.L.E. Freq.		0.97			-3.24			1.08	0.21	4.10	16.84	OK
				S.L.E. Q.P.		0.00			-2.29			0.77	0.00	1.52	11.92	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
58	0.00	402	125			4.47	52.06	0.15	-9.84	-18.37	0.11					
				S.L.E. Freq.		0.85			-3.12			1.05	0.19	3.56	15.44	OK
				S.L.E. Q.P.		0.00			-2.30			0.77	0.00	1.50	11.35	OK
Camp.	0.80	402	402	7344.1	1.37	11.42	52.06	0.14	-15.36	-52.06	0.14					
				S.L.E. Freq.		3.30			-5.76			1.16	0.67	25.81	44.98	OK
				S.L.E. Q.P.		0.00			-2.16			0.44	0.00	3.49	16.88	OK
52	1.60	249	345			19.68	33.47	0.12	-17.89	-45.13	0.13					
				S.L.E. Freq.		7.59			-6.56			1.47	1.88	58.37	50.96	OK
				S.L.E. Q.P.		0.83			0.00			0.00	0.21	6.37	1.15	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 49 53 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.13	0.48	0.36	80049.2	41392.3	283754.2	168050.9	ø 8 2br. 75.0'
0.48	1.04	0.56	82373.8	36042.2	283754.2	126038.2	ø 8 2br. 100.0'
1.04	1.40	0.36	83929.2	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 53 54 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	54948.6	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.04	0.69	53359.9	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.04	1.40	0.36	54303.3	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 54 50 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	83929.2	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	0.92	0.56	82340.6	36042.2	283754.2	126038.2	ø 8 2br. 100.0'
0.92	1.28	0.36	79828.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 50 55 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.12	0.48	0.36	66478.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.48	1.20	0.72	69705.4	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.20	1.56	0.36	71294.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 55 56 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	45915.3	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	44326.6	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.57	0.36	42498.6	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 56 57 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	42498.6	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	44326.6	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.57	0.36	45915.3	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 57 51 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	70564.3	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.08	0.72	68975.6	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.08	1.43	0.36	65749.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 51 58 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.13	0.48	0.36	53011.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.48	1.37	0.89	55067.1	36042.2	283754.2	84025.5	ø 8 2br. 150.0'

1.37	1.73	0.36	56655.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 58 52 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	64595.5	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.24	0.89	63006.8	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.24	1.60	0.36	59044.0	39837.1	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***87 Travata 106 107 108 109 110 111 112 113 114 115 116 117 118***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
106	0.25	298	402			15.29	39.44	0.13	-6.69	-52.07	0.14					
				S.L.E. Freq.		6.02			-0.89			0.18	1.36	46.56	9.65	OK
				S.L.E. Q.P.		4.77			0.00			0.00	1.08	36.89	7.64	OK
Camp.	0.87	394	329	5950.4	0.82	9.05	51.03	0.14	-9.34	-43.22	0.13					
				S.L.E. Freq.		1.92			-3.46			0.76	0.40	15.02	26.83	OK
				S.L.E. Q.P.		0.00			-0.89			0.19	0.00	1.41	6.89	OK
107	1.48	356	132			2.93	46.48	0.13	-11.71	-19.10	0.11					
				S.L.E. Freq.		0.00			-4.90			1.61	0.00	3.42	23.89	OK
				S.L.E. Q.P.		0.00			-4.93			1.62	0.00	3.45	24.05	OK
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
107	0.00	352	132			2.98	46.02	0.13	-11.82	-19.09	0.11					
				S.L.E. Freq.		0.00			-4.90			1.61	0.00	3.63	25.24	OK
				S.L.E. Q.P.		0.00			-4.95			1.63	0.00	3.67	25.50	OK
Camp.	0.74	308	388	7447.3	1.03	0.00	40.74	0.13	-11.81	-50.38	0.14					
				S.L.E. Freq.		0.00			-4.66			0.98	0.00	8.03	36.37	OK
				S.L.E. Q.P.		0.00			-5.84			1.23	0.00	10.06	45.56	OK
108	1.48	351	142			2.98	45.98	0.13	-8.83	-20.36	0.11					
				S.L.E. Freq.		0.00			-3.32			1.05	0.00	2.56	15.88	OK
				S.L.E. Q.P.		0.00			-4.23			1.34	0.00	3.26	20.23	OK
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
108	0.00	355	142			1.89	46.44	0.13	-7.55	-20.37	0.11					
				S.L.E. Freq.		0.00			-3.30			1.05	0.00	2.41	16.79	OK
				S.L.E. Q.P.		0.00			-4.20			1.33	0.00	3.07	21.37	OK
Camp.	0.68	402	367	7661.2	1.05	6.72	52.06	0.14	-3.23	-47.75	0.13					
				S.L.E. Freq.		1.19			-0.51			0.11	0.24	9.31	3.96	OK
				S.L.E. Q.P.		1.00			-0.62			0.13	0.20	7.81	4.87	OK
109	1.36	478	403			16.51	61.21	0.15	0.00	-52.19	0.14					
				S.L.E. Freq.		6.55			0.00			0.00	1.24	30.09	7.63	OK
				S.L.E. Q.P.		8.33			0.00			0.00	1.58	38.25	9.70	OK
												Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40				
109	0.13	478	403			14.04	61.21	0.15	0.00	-52.19	0.14					
				S.L.E. Freq.		6.03			0.00			0.00	1.14	27.45	6.88	OK
				S.L.E. Q.P.		7.69			0.00			0.00	1.45	34.98	8.77	OK
Camp.	0.76	404	345	7661.2	0.94	5.63	52.26	0.14	-2.25	-45.13	0.13					

				S.L.E. Freq.		1.06			-0.45			0.10	0.22	8.17	3.52	OK
				S.L.E. Q.P.		1.26			-0.56			0.12	0.26	9.68	4.32	OK
110	1.40	401	135			1.64	51.96	0.14	-6.57	-19.55	0.11					
				S.L.E. Freq.		0.00			-2.38			0.77	0.00	1.63	12.26	OK
				S.L.E. Q.P.		0.00			-3.30			1.06	0.00	2.25	16.95	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
110	0.00	401	135			1.69	51.96	0.14	-6.74	-19.55	0.11					
				S.L.E. Freq.		0.00			-2.39			0.77	0.00	1.67	11.59	OK
				S.L.E. Q.P.		0.00			-3.31			1.07	0.00	2.31	16.03	OK
Camp.	0.70	402	367	7661.2	0.94	0.00	52.06	0.14	-6.41	-47.75	0.13					
				S.L.E. Freq.		0.00			-2.32			0.48	0.00	3.74	18.03	OK
				S.L.E. Q.P.		0.00			-3.07			0.64	0.00	4.97	23.93	OK
111	1.40	401	135			1.96	51.96	0.14	-3.50	-19.55	0.11					
				S.L.E. Freq.		0.09			-0.54			0.17	0.02	0.40	2.60	OK
				S.L.E. Q.P.		0.00			-0.57			0.18	0.00	0.40	2.76	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
111	0.00	401	135			3.85	51.96	0.14	-2.91	-19.55	0.11					
				S.L.E. Freq.		0.08			-0.51			0.16	0.02	0.35	2.60	OK
				S.L.E. Q.P.		0.00			-0.55			0.18	0.00	0.38	2.83	OK
Camp.	0.64	401	345	7661.2	0.94	15.97	51.94	0.14	-0.92	-45.13	0.13					
				S.L.E. Freq.		4.93			-0.45			0.10	1.01	38.13	7.03	OK
				S.L.E. Q.P.		6.55			-0.56			0.12	1.35	50.67	9.35	OK
112	1.28	473	394			28.50	60.70	0.15	0.00	-51.06	0.14					
				S.L.E. Freq.		11.76			0.00			0.00	2.24	53.97	13.48	OK
				S.L.E. Q.P.		15.53			0.00			0.00	2.95	71.23	17.79	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
112	0.12	473	394			34.74	60.70	0.15	0.00	-51.06	0.14					
				S.L.E. Freq.		14.82			0.00			0.00	2.82	67.62	16.78	OK
				S.L.E. Q.P.		19.54			0.00			0.00	3.72	89.16	22.12	OK
Camp.	0.84	402	377	7661.2	1.17	15.48	52.06	0.14	-1.15	-49.06	0.13					
				S.L.E. Freq.		4.01			-0.56			0.12	0.82	31.34	6.16	OK
				S.L.E. Q.P.		5.36			-0.69			0.14	1.09	41.85	8.23	OK
113	1.56	354	140			3.08	46.25	0.13	-12.31	-20.15	0.11					
				S.L.E. Freq.		0.00			-4.87			1.55	0.00	3.47	23.50	OK
				S.L.E. Q.P.		0.00			-6.45			2.06	0.00	4.60	31.16	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
113	0.00	350	140			7.36	45.78	0.13	-14.99	-20.15	0.11					
				S.L.E. Freq.		0.00			-4.88			1.56	0.00	3.80	24.72	OK
				S.L.E. Q.P.		0.00			-6.49			2.07	0.00	5.05	32.83	OK
Camp.	0.78	308	402	7661.2	1.17	0.00	40.74	0.13	-24.53	-52.08	0.14					
				S.L.E. Freq.		0.00			-9.76			2.02	0.00	16.79	76.20	OK
				S.L.E. Q.P.		0.00			-12.82			2.66	0.00	22.06	100.12	OK
114	1.57	309	234			7.36	40.90	0.12	-29.44	-31.61	0.11					
				S.L.E. Freq.		0.00			-12.34			3.16	0.00	11.33	94.72	OK
				S.L.E. Q.P.		0.00			-16.33			4.18	0.00	15.01	125.41	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
114	0.00	309	234			7.37	40.90	0.12	-29.46	-31.61	0.11					
				S.L.E. Freq.		0.00			-12.33			3.16	0.00	11.33	94.71	OK
				S.L.E. Q.P.		0.00			-16.33			4.18	0.00	15.00	125.40	OK
Camp.	0.78	308	402	7661.2	1.17	0.00	40.74	0.13	-25.21	-52.08	0.14					
				S.L.E. Freq.		0.00			-9.90			2.05	0.00	17.03	77.32	OK
				S.L.E. Q.P.		0.00			-13.01			2.70	0.00	22.39	101.61	OK
115	1.57	350	140			7.37	45.78	0.13	-15.61	-20.15	0.11					
				S.L.E. Freq.		0.00			-5.21			1.66	0.00	4.06	26.38	OK

				S.L.E. Q.P.		0.00			-6.87			2.19	0.00	5.35	34.78	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
115	0.00	354	140			3.21	46.25	0.13	-12.84	-20.15	0.11					
				S.L.E. Freq.		0.00			-5.17			1.65	0.00	3.68	24.96	OK
				S.L.E. Q.P.		0.00			-6.84			2.18	0.00	4.87	33.01	OK
Camp.	0.72	402	377	7661.2	1.17	15.46	52.06	0.14	-1.15	-49.06	0.13					
				S.L.E. Freq.		3.59			-0.56			0.12	0.73	28.08	5.52	OK
				S.L.E. Q.P.		4.80			-0.69			0.14	0.97	37.48	7.37	OK
116	1.43	477	385			35.41	61.17	0.15	0.00	-50.02	0.14					
				S.L.E. Freq.		14.27			0.00			0.00	2.72	64.60	16.22	OK
				S.L.E. Q.P.		18.81			0.00			0.00	3.58	85.13	21.37	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
116	0.13	477	385			29.03	61.17	0.15	0.00	-50.02	0.14					
				S.L.E. Freq.		10.80			0.00			0.00	2.05	49.83	12.04	OK
				S.L.E. Q.P.		14.03			0.00			0.00	2.67	64.75	15.65	OK
Camp.	0.93	402	402	7661.2	1.42	13.31	52.06	0.14	-1.41	-52.06	0.14					
				S.L.E. Freq.		3.26			-0.69			0.14	0.66	25.49	5.39	OK
				S.L.E. Q.P.		4.26			-0.85			0.17	0.86	33.27	6.89	OK
117	1.73	402	125			1.19	52.06	0.15	-4.76	-18.37	0.11					
				S.L.E. Freq.		0.00			-1.90			0.64	0.00	1.26	9.90	OK
				S.L.E. Q.P.		0.00			-2.56			0.86	0.00	1.69	13.31	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
117	0.00	402	125			2.79	52.06	0.15	-5.79	-18.37	0.11					
				S.L.E. Freq.		0.00			-1.90			0.64	0.00	1.24	9.41	OK
				S.L.E. Q.P.		0.00			-2.56			0.86	0.00	1.67	12.64	OK
Camp.	0.80	402	402	7661.2	1.42	5.97	52.06	0.14	-10.08	-52.06	0.14					
				S.L.E. Freq.		1.20			-3.63			0.73	0.24	9.39	28.34	OK
				S.L.E. Q.P.		0.00			-2.26			0.46	0.00	3.65	17.64	OK
118	1.60	249	345			13.42	33.47	0.12	-11.17	-45.13	0.13					
				S.L.E. Freq.		5.39			-4.04			0.91	1.34	41.46	31.41	OK
				S.L.E. Q.P.		0.99			0.00			0.00	0.25	7.63	1.38	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 106 107 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.30	0.64	0.34	79238.9	41924.0	283754.2	168050.9	ø 8 2br. 75.0'
0.64	1.14	0.50	81326.0	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.14	1.48	0.34	82845.5	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 107 108 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	48025.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.13	0.77	46494.0	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.13	1.48	0.36	47249.6	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 108 109 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	76056.7	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.00	0.65	74413.9	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.00	1.36	0.36	71432.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 109 110 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.13	0.48	0.36	80681.4	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.48	1.04	0.56	83279.5	36042.2	283754.2	126038.2	ø 8 2br. 100.0'
1.04	1.40	0.36	84922.3	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 110 111 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	54313.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'

0.36	1.04	0.69	52670.2	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.04	1.40	0.36	54313.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 111 112 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	84035.7	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	0.92	0.56	82392.9	36042.2	283754.2	126038.2	ø 8 2br. 100.0'
0.92	1.28	0.36	79794.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 112 113 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.12	0.48	0.36	66433.4	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.48	1.20	0.72	69769.8	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.20	1.56	0.36	71412.6	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 113 114 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	53065.4	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	51422.6	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.57	0.36	47486.3	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 114 115 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	47486.3	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	51422.6	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.57	0.36	53065.4	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 115 116 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	70682.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.08	0.72	69040.0	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.08	1.43	0.36	65703.7	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 116 117 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.13	0.48	0.36	62036.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.48	1.37	0.89	66134.7	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.37	1.73	0.36	67777.5	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 117 118 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	64726.6	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.24	0.89	63083.8	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.24	1.60	0.36	58986.1	39837.1	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***88 Travata 2 9 14***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
2	0.15	817	1131			35.68	165.65	0.07	-15.68	-226.98	0.08					
				S.L.E. Freq.		15.18			-3.27			0.10	0.51	24.22	5.26	OK
				S.L.E. Q.P.		7.62			0.00			0.00	0.25	12.15	1.89	OK
Camp.	1.61	1206	1206			28.87	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		13.04			0.00			0.00	0.37	21.01	3.33	OK
				S.L.E. Q.P.		10.09			0.00			0.00	0.29	16.26	2.58	OK
9	3.08	562	2413			12.62	114.83	0.07	-50.66	-467.90	0.13					
				S.L.E. Freq.		0.00			-28.65			0.66	0.00	2.53	23.72	OK
				S.L.E. Q.P.		0.00			-31.90			0.73	0.00	2.82	26.42	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																

9	0.12	562	2413			12.06	114.83	0.07	-47.73	-467.90	0.13					
				S.L.E. Freq.		0.00			-29.97			0.69	0.00	2.22	24.83	OK
				S.L.E. Q.P.		0.00			-33.07			0.76	0.00	2.45	27.39	OK
Camp.	2.22	1206	1206			10.53	241.94	0.08	-2.84	-241.94	0.08					
				S.L.E. Freq.		3.25			0.00			0.00	0.09	5.24	0.83	OK
				S.L.E. Q.P.		4.53			0.00			0.00	0.13	7.30	1.16	OK
14	4.32	817	1131			16.36	165.65	0.07	-9.10	-226.98	0.08					
				S.L.E. Freq.		4.55			0.00			0.00	0.15	7.26	1.13	OK
				S.L.E. Q.P.		1.84			0.00			0.00	0.06	2.94	0.46	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	TSd [kNm]	Trd1 [kNm]	Trd2 [kNm]	Staffe
Trave di fondazione 2 9 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.15	3.08	2.92	74060.2	196877.1	1772666.7	393692.3	17415.1	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 9 14 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.12	4.32	4.20	42199.8	196877.1	1772666.7	393692.3	17814.8	421647.9	263686.0	ø 8 2br. 50.0'

- Travata: ***9 Travata 109 72 49***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
109	0.31	344	402			19.46	44.96	0.13	-7.83	-52.07	0.14					
				S.L.E. Freq.		7.83			-0.78			0.16	1.68	60.82	12.64	OK
				S.L.E. Q.P.		4.70			0.00			0.00	1.01	36.49	7.58	OK
Camp.	1.27	402	402	3160.3	1.03	7.61	52.06	0.14	-7.99	-52.06	0.14					
				S.L.E. Freq.		1.55			-3.27			0.66	0.31	12.12	25.53	OK
				S.L.E. Q.P.		0.00			-1.06			0.21	0.00	1.72	8.29	OK
72	2.24	396	160			2.06	51.34	0.14	-8.20	-22.63	0.11					
				S.L.E. Freq.		0.00			-3.80			1.13	0.00	2.66	21.36	OK
				S.L.E. Q.P.		0.00			-4.18			1.24	0.00	2.92	23.45	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
72	0.05	396	160			2.03	51.34	0.14	-8.09	-22.63	0.11					
				S.L.E. Freq.		0.00			-3.87			1.15	0.00	3.06	15.28	OK
				S.L.E. Q.P.		0.00			-4.15			1.24	0.00	3.27	16.38	OK
Camp.	1.06	402	402	3160.3	1.03	6.14	52.06	0.14	-6.72	-52.06	0.14					
				S.L.E. Freq.		0.64			-2.48			0.50	0.13	4.98	19.34	OK
				S.L.E. Q.P.		0.00			-0.79			0.16	0.00	1.27	6.15	OK
49	2.08	265	402			16.14	35.36	0.12	-5.60	-52.07	0.14					
				S.L.E. Freq.		6.85			-0.11			0.02	1.63	52.83	10.87	OK
				S.L.E. Q.P.		5.79			0.00			0.00	1.38	44.63	9.18	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 109 72 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.40	0.74	0.34	52055.6	41924.0	283754.2	168050.9	ø 8 2br. 75.0'
0.74	1.90	1.16	55190.4	36795.0	283754.2	84025.5	ø 8 2br. 150.0'
1.90	2.24	0.34	56102.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 72 49 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.05	0.40	0.35	53581.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.40	1.72	1.31	52711.7	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.72	2.07	0.35	49490.7	41924.0	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***90 Travata 1 8 13 19 22 25***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
1	0.15	817	1131			37.80	165.65	0.07	-40.86	-226.98	0.08					
				S.L.E. Freq.		13.54			-16.84			0.50	0.45	21.60	27.11	OK
				S.L.E. Q.P.		0.00			-2.04			0.06	0.00	0.37	3.28	OK
Camp.	1.58	1206	1206			30.03	241.94	0.08	-21.94	-241.94	0.08					
				S.L.E. Freq.		10.86			-5.83			0.17	0.31	17.51	9.40	OK
				S.L.E. Q.P.		2.66			0.00			0.00	0.08	4.28	0.68	OK
8	3.00	689	2413			10.34	140.20	0.07	-21.72	-468.53	0.12					
				S.L.E. Freq.		0.00			-10.40			0.24	0.00	1.15	8.61	OK
				S.L.E. Q.P.		0.00			-9.75			0.22	0.00	1.08	8.07	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
8	0.20	689	2413			22.44	140.20	0.07	-47.49	-468.53	0.12					
				S.L.E. Freq.		4.35			-22.14			0.50	0.14	5.15	18.32	OK
				S.L.E. Q.P.		0.00			-9.86			0.22	0.00	1.02	8.16	OK
Camp.	2.07	1206	1206			20.95	241.94	0.08	-10.98	-241.94	0.08					
				S.L.E. Freq.		4.95			0.00			0.00	0.14	7.98	1.27	OK
				S.L.E. Q.P.		4.59			0.00			0.00	0.13	7.39	1.17	OK
13	3.95	1345	2413			21.16	269.65	0.08	-25.00	-471.34	0.11					
				S.L.E. Freq.		7.25			-9.69			0.21	0.18	10.16	7.99	OK
				S.L.E. Q.P.		0.00			-2.95			0.06	0.00	0.65	2.43	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
13	0.50	1345	2413			8.32	269.65	0.08	-13.22	-471.34	0.11					
				S.L.E. Freq.		0.00			-3.19			0.07	0.00	0.67	2.63	OK
				S.L.E. Q.P.		0.00			-3.84			0.08	0.00	0.81	3.17	OK
Camp.	3.13	1206	1206			9.00	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		4.09			0.00			0.00	0.12	6.59	1.04	OK
				S.L.E. Q.P.		4.51			0.00			0.00	0.13	7.26	1.15	OK
19	5.75	1437	2413			8.32	287.63	0.08	-22.75	-471.68	0.11					
				S.L.E. Freq.		0.00			-6.94			0.15	0.00	1.53	5.71	OK
				S.L.E. Q.P.		0.00			-7.42			0.16	0.00	1.64	6.11	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
19	0.50	1437	2413			9.01	287.63	0.08	-21.06	-471.68	0.11					
				S.L.E. Freq.		0.00			-9.48			0.20	0.00	2.12	7.81	OK
				S.L.E. Q.P.		0.00			-8.73			0.19	0.00	1.95	7.19	OK
Camp.	3.13	1206	1206			9.48	241.94	0.08	-2.13	-241.94	0.08					
				S.L.E. Freq.		3.03			0.00			0.00	0.09	4.89	0.78	OK
				S.L.E. Q.P.		3.37			0.00			0.00	0.10	5.44	0.86	OK
22	5.75	1453	2413			24.35	290.81	0.08	-35.68	-471.74	0.11					
				S.L.E. Freq.		4.25			-8.12			0.17	0.10	5.63	6.69	OK
				S.L.E. Q.P.		0.00			-5.15			0.11	0.00	1.15	4.24	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
22	0.50	1453	2413			28.23	290.81	0.08	-34.90	-	0.11					

										471.74						
				S.L.E. Freq.		9.22			-13.14			0.28	0.22	12.26	10.82	OK
				S.L.E. Q.P.		0.00			-5.05			0.11	0.00	1.13	4.16	OK
Camp.	3.13	1206	1206			29.58	241.94	0.08	-9.16	-241.94	0.08					
				S.L.E. Freq.		11.60			0.00			0.00	0.33	18.70	2.97	OK
				S.L.E. Q.P.		8.28			0.00			0.00	0.23	13.35	2.12	OK
25	5.75	1206	1206			72.13	241.94	0.08	-72.38	-241.94	0.08					
				S.L.E. Freq.		27.02			-28.77			0.81	0.77	43.56	46.37	OK
				S.L.E. Q.P.		1.56			-0.31			0.01	0.04	2.51	0.49	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	TSd [kNm]	Trd1 [kNm]	Trd2 [kNm]	Staffe
Trave di fondazione 1 8 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.15	3.00	2.85	38368.3	196877.1	1772666.7	393692.3	5801.0	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 8 13 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.20	3.67	3.47	36953.3	196877.1	1772666.7	393692.3	12459.3	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 13 19 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.77	5.48	4.71	14636.5	196877.1	1772666.7	393692.3	4932.0	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 19 22 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.77	5.48	4.71	17645.9	196877.1	1772666.7	393692.3	2655.4	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 22 25 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.77	5.48	4.71	31787.5	196877.1	1772666.7	393692.3	9083.5	421647.9	263686.0	ø 8 2br. 50.0'

- Travata: ***92 Travata 3 10 15 21 24 27***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
3	0.15	817	1131			19.68	165.65	0.07	-9.52	-226.98	0.08					
				S.L.E. Freq.		6.89			-1.97			0.06	0.23	10.99	3.17	OK
				S.L.E. Q.P.		2.71			0.00			0.00	0.09	4.33	0.67	OK
Camp.	1.55	1206	1206			18.63	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		9.90			0.00			0.00	0.28	15.95	2.53	OK
				S.L.E. Q.P.		9.73			0.00			0.00	0.28	15.68	2.49	OK
10	2.95	791	2413			10.66	160.57	0.08	-42.13	-469.01	0.12					
				S.L.E. Freq.		0.00			-22.50			0.51	0.00	2.89	18.60	OK
				S.L.E. Q.P.		0.00			-22.89			0.51	0.00	2.94	18.93	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
10	0.25	791	2413			12.79	160.57	0.08	-51.19	-469.01	0.12					
				S.L.E. Freq.		0.00			-27.75			0.62	0.00	3.40	22.94	OK
				S.L.E. Q.P.		0.00			-23.02			0.52	0.00	2.82	19.04	OK
Camp.	2.22	1206	1206			20.87	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		11.68			0.00			0.00	0.33	18.83	2.99	OK
				S.L.E. Q.P.		12.95			0.00			0.00	0.37	20.88	3.31	OK
15	4.20	827	1810			14.38	167.74	0.07	-29.89	-356.73	0.10					
				S.L.E. Freq.		0.07			-11.74			0.29	0.00	1.82	12.80	OK
				S.L.E. Q.P.		0.00			-9.51			0.24	0.00	1.47	10.36	OK

Trave di fondazione Sez. 3 Rett. 400x600 [mm] trave coll.40x60																
15	0.25	593	1810			6.57	119.11	0.08	-19.88	-341.49	0.19					
				S.L.E. Freq.		0.00			-5.30			0.23	0.00	1.41	5.98	OK
				S.L.E. Q.P.		0.00			-6.46			0.28	0.00	1.72	7.29	OK
Camp.	3.19	603	603			3.99	120.21	0.09	-0.80	-120.21	0.09					
				S.L.E. Freq.		1.24			-0.15			0.01	0.08	4.02	0.75	OK
				S.L.E. Q.P.		2.30			0.00			0.00	0.15	7.46	1.39	OK
21	6.13	390	1206			5.01	78.95	0.08	-16.06	-232.11	0.14					
				S.L.E. Freq.		0.00			-6.02			0.31	0.00	1.42	10.04	OK
				S.L.E. Q.P.		0.00			-8.50			0.44	0.00	2.01	14.18	OK
Trave di fondazione Sez. 3 Rett. 400x600 [mm] trave coll.40x60																
21	0.13	390	1206			5.89	78.95	0.08	-19.47	-232.11	0.14					
				S.L.E. Freq.		0.00			-6.33			0.32	0.00	1.52	10.55	OK
				S.L.E. Q.P.		0.00			-8.63			0.44	0.00	2.07	14.39	OK
Camp.	3.13	603	603			7.56	120.21	0.09	0.00	-120.21	0.09					
				S.L.E. Freq.		3.39			0.00			0.00	0.21	10.99	2.04	OK
				S.L.E. Q.P.		4.70			0.00			0.00	0.30	15.25	2.83	OK
24	6.13	393	1206			6.01	79.47	0.08	-22.41	-232.12	0.14					
				S.L.E. Freq.		0.00			-8.89			0.46	0.00	2.15	14.82	OK
				S.L.E. Q.P.		0.00			-10.92			0.56	0.00	2.65	18.20	OK
Trave di fondazione Sez. 3 Rett. 400x600 [mm] trave coll.40x60																
24	0.13	393	1206			9.75	79.47	0.08	-28.10	-232.12	0.14					
				S.L.E. Freq.		1.77			-11.42			0.58	0.12	3.63	19.04	OK
				S.L.E. Q.P.		0.00			-10.48			0.54	0.00	2.47	17.48	OK
Camp.	3.13	603	603			12.08	120.21	0.09	-4.51	-120.21	0.09					
				S.L.E. Freq.		3.77			-0.49			0.03	0.24	12.24	2.27	OK
				S.L.E. Q.P.		4.39			0.00			0.00	0.28	14.24	2.65	OK
27	6.13	408	565			40.11	82.36	0.08	-26.37	-112.70	0.08					
				S.L.E. Freq.		16.60			-8.82			0.60	1.24	53.27	28.59	OK
				S.L.E. Q.P.		5.04			0.00			0.00	0.38	16.18	2.99	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	TSd [kNm]	Trd1 [kNm]	Trd2 [kNm]	Staffe
Trave di fondazione 3 10 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.15	2.90	2.75	62803.6	196877.1	1772666.7	393692.3	9680.7	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 10 15 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.30	4.15	3.85	54923.8	196877.1	1772666.7	393692.3	8268.5	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 15 21 Sez. 3 Rett. 400x600 [mm] trave coll.40x60										
0.30	6.13	5.83	13604.8	78750.8	709066.6	131230.8	1887.0	108213.6	35246.6	ø 8 2br. 150.0'
Trave di fondazione 21 24 Sez. 3 Rett. 400x600 [mm] trave coll.40x60										
0.13	6.13	6.00	19149.5	78750.8	709066.6	131230.8	814.0	108213.6	35246.6	ø 8 2br. 150.0'
Trave di fondazione 24 27 Sez. 3 Rett. 400x600 [mm] trave coll.40x60										
0.13	6.13	6.00	20053.4	78750.8	709066.6	131230.8	1452.1	108213.6	35246.6	ø 8 2br. 150.0'

- Travata: ***93 Travata 4 11 16***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
4	0.00	871	1206			19.04	176.31	0.07	-8.17	-241.65	0.08					
				S.L.E. Freq.		4.77			-1.23			0.04	0.15	7.62	1.99	OK
				S.L.E. Q.P.		3.16			0.00			0.00	0.10	5.05	0.83	OK
Camp.	1.48	1206	1206			20.50	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		10.85			0.00			0.00	0.31	17.48	2.77	OK
				S.L.E. Q.P.		10.24			0.00			0.00	0.29	16.50	2.62	OK
11	2.95	804	2413			13.86	163.12	0.08	-54.83	-469.07	0.12					
				S.L.E. Freq.		0.00			-30.04			0.67	0.00	3.80	24.84	OK
				S.L.E. Q.P.		0.00			-30.43			0.68	0.00	3.85	25.16	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
11	0.25	804	2413			11.51	163.12	0.08	-46.11	-469.07	0.12					
				S.L.E. Freq.		0.00			-27.04			0.61	0.00	3.42	22.36	OK
				S.L.E. Q.P.		0.00			-30.32			0.68	0.00	3.84	25.07	OK
Camp.	2.22	1206	1206			36.58	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		19.48			0.00			0.00	0.55	31.40	4.98	OK
				S.L.E. Q.P.		21.90			0.00			0.00	0.62	35.30	5.60	OK
16	4.20	894	1206			30.73	180.97	0.07	-23.03	-241.67	0.08					
				S.L.E. Freq.		8.71			-6.98			0.20	0.28	13.93	11.25	OK
				S.L.E. Q.P.		2.91			-0.04			0.00	0.09	4.65	0.76	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	TSd [kNm]	Trd1 [kNm]	Trd2 [kNm]	Staffe
Trave di fondazione 4 11 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.00	2.90	2.90	75383.6	196877.1	1772666.7	393692.3	8091.3	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 11 16 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.30	4.15	3.85	63736.0	196877.1	1772666.7	393692.3	3434.4	421647.9	263686.0	ø 8 2br. 50.0'

- Travata: ***94 Travata 5 12 17***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
5	0.00	871	1206			24.07	176.31	0.07	-11.12	-241.65	0.08					
				S.L.E. Freq.		7.79			-1.86			0.05	0.25	12.45	3.00	OK
				S.L.E. Q.P.		4.82			0.00			0.00	0.16	7.70	1.26	OK
Camp.	1.48	1206	1206			22.33	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		11.72			0.00			0.00	0.33	18.89	3.00	OK
				S.L.E. Q.P.		11.14			0.00			0.00	0.32	17.95	2.85	OK
12	2.95	804	2413			12.74	163.12	0.08	-50.39	-469.07	0.12					
				S.L.E. Freq.		0.00			-28.23			0.63	0.00	3.57	23.34	OK
				S.L.E. Q.P.		0.00			-28.60			0.64	0.00	3.62	23.65	OK
Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
12	0.25	804	2413			10.55	163.12	0.08	-42.26	-	0.12					

										469.07						
				S.L.E. Freq.		0.00			-25.35			0.57	0.00	3.21	20.96	OK
				S.L.E. Q.P.		0.00			-28.97			0.65	0.00	3.67	23.96	OK
Camp.	2.22	1206	1206			36.05	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		19.18			0.00			0.00	0.54	30.91	4.90	OK
				S.L.E. Q.P.		21.53			0.00			0.00	0.61	34.70	5.50	OK
17	4.20	894	1206			35.14	180.97	0.07	-27.35	-241.67	0.08					
				S.L.E. Freq.		9.66			-6.02			0.17	0.31	15.45	9.71	OK
				S.L.E. Q.P.		3.82			-0.03			0.00	0.12	6.12	1.00	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	TSd [kNm]	Trd1 [kNm]	Trd2 [kNm]	Staffe
Trave di fondazione 5 12 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.00	2.90	2.90	73248.3	196877.1	1772666.7	393692.3	9620.3	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 12 17 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.30	4.15	3.85	61878.5	196877.1	1772666.7	393692.3	5228.6	421647.9	263686.0	ø 8 2br. 50.0'

- Travata: ***94 Travata 49 59 60 61 62 63 64 65 66 67 68 69 70***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
49	0.25	298	402			28.73	39.44	0.13	0.00	-52.07	0.14					
				S.L.E. Freq.		13.43			0.00			0.00	3.04	103.85	21.52	OK
				S.L.E. Q.P.		17.01			0.00			0.00	3.86	131.57	27.26	OK
Camp.	0.91	397	355	6743.8	1.03	15.63	51.43	0.14	-1.48	-46.39	0.13					
				S.L.E. Freq.		4.78			-0.51			0.11	0.98	37.35	7.00	OK
				S.L.E. Q.P.		6.01			-0.61			0.13	1.24	46.91	8.79	OK
59	1.56	349	145			4.30	45.73	0.13	-7.54	-20.76	0.11					
				S.L.E. Freq.		0.00			-2.52			0.79	0.00	1.79	12.35	OK
				S.L.E. Q.P.		0.00			-3.03			0.95	0.00	2.16	14.85	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
59	0.00	346	145			5.53	45.27	0.13	-9.94	-20.75	0.11					
				S.L.E. Freq.		0.00			-2.51			0.79	0.00	2.00	12.35	OK
				S.L.E. Q.P.		0.00			-3.02			0.95	0.00	2.40	14.82	OK
Camp.	0.78	308	402	7382.1	1.13	0.00	40.74	0.13	-18.52	-52.08	0.14					
				S.L.E. Freq.		0.00			-6.91			1.43	0.00	11.89	53.95	OK
				S.L.E. Q.P.		0.00			-8.88			1.84	0.00	15.28	69.35	OK
60	1.56	310	145			5.53	40.97	0.12	-22.11	-20.71	0.10					
				S.L.E. Freq.		0.00			-9.19			2.90	0.00	7.44	45.06	OK
				S.L.E. Q.P.		0.00			-12.01			3.80	0.00	9.72	58.91	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
60	0.00	310	145			5.54	40.97	0.12	-22.17	-20.71	0.10					
				S.L.E. Freq.		0.00			-9.17			2.90	0.00	7.43	45.00	OK
				S.L.E. Q.P.		0.00			-12.00			3.79	0.00	9.71	58.85	OK
Camp.	0.78	308	402	7344.1	1.12	0.00	40.74	0.13	-18.63	-52.08	0.14					
				S.L.E. Freq.		0.00			-7.13			1.48	0.00	12.26	55.67	OK
				S.L.E. Q.P.		0.00			-9.23			1.91	0.00	15.87	72.04	OK
61	1.56	350	140			5.54	45.78	0.13	-10.14	-20.15	0.11					
				S.L.E. Freq.		0.00			-2.85			0.91	0.00	2.22	14.48	OK
				S.L.E. Q.P.		0.00			-3.73			1.19	0.00	2.91	18.96	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
61	0.00	354	140			1.96	46.24	0.13	-7.85	-20.15	0.11					

				S.L.E. Freq.		0.00			-2.89			0.92	0.00	2.06	13.91	OK
				S.L.E. Q.P.		0.00			-3.74			1.19	0.00	2.66	17.98	OK
Camp.	0.72	402	377	7344.1	1.12	16.70	52.06	0.14	-1.10	-49.06	0.13					
				S.L.E. Freq.		5.05			-0.55			0.11	1.03	39.49	7.76	OK
				S.L.E. Q.P.		6.56			-0.67			0.14	1.33	51.25	10.08	OK
62	1.44	471	389			34.01	60.44	0.15	0.00	-50.48	0.14					
				S.L.E. Freq.		14.76			0.00			0.00	2.82	67.56	16.71	OK
				S.L.E. Q.P.		19.17			0.00			0.00	3.66	87.73	21.70	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
62	0.12	471	389			37.50	60.44	0.15	0.00	-50.48	0.14					
				S.L.E. Freq.		14.75			0.00			0.00	2.82	67.52	16.70	OK
				S.L.E. Q.P.		19.14			0.00			0.00	3.65	87.58	21.66	OK
Camp.	0.84	402	377	7344.1	1.12	19.33	52.06	0.14	-1.10	-49.06	0.13					
				S.L.E. Freq.		5.26			-0.55			0.11	1.07	41.08	8.08	OK
				S.L.E. Q.P.		6.68			-0.67			0.14	1.36	52.19	10.26	OK
63	1.56	354	140			1.72	46.24	0.13	-6.89	-20.15	0.11					
				S.L.E. Freq.		0.00			-2.67			0.85	0.00	1.90	12.82	OK
				S.L.E. Q.P.		0.00			-3.47			1.11	0.00	2.47	16.68	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
63	0.00	350	140			5.03	45.78	0.13	-9.12	-20.15	0.11					
				S.L.E. Freq.		0.00			-2.65			0.85	0.00	2.06	13.45	OK
				S.L.E. Q.P.		0.00			-3.44			1.10	0.00	2.68	17.51	OK
Camp.	0.78	308	402	7344.1	1.12	0.00	40.74	0.13	-16.53	-52.08	0.14					
				S.L.E. Freq.		0.00			-6.81			1.41	0.00	11.71	53.15	OK
				S.L.E. Q.P.		0.00			-8.76			1.81	0.00	15.06	68.36	OK
64	1.56	353	145			5.03	46.24	0.13	-20.13	-20.78	0.11					
				S.L.E. Freq.		0.00			-8.73			2.74	0.00	6.91	42.86	OK
				S.L.E. Q.P.		0.00			-11.34			3.56	0.00	8.98	55.68	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
64	0.00	357	145			5.02	46.70	0.13	-20.07	-20.79	0.11					
				S.L.E. Freq.		0.00			-8.73			2.74	0.00	6.43	42.85	OK
				S.L.E. Q.P.		0.00			-11.34			3.56	0.00	8.35	55.68	OK
Camp.	0.78	402	402	7344.1	1.12	0.00	52.06	0.14	-16.93	-52.06	0.14					
				S.L.E. Freq.		0.00			-6.29			1.27	0.00	10.17	49.13	OK
				S.L.E. Q.P.		0.00			-8.11			1.63	0.00	13.11	63.33	OK
65	1.56	397	140			5.02	51.49	0.14	-9.45	-20.21	0.11					
				S.L.E. Freq.		0.87			-3.03			0.96	0.19	3.70	15.42	OK
				S.L.E. Q.P.		0.00			-2.15			0.68	0.00	1.52	10.92	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
65	0.00	397	140			5.43	51.49	0.14	-7.77	-20.21	0.11					
				S.L.E. Freq.		0.83			-3.02			0.96	0.18	3.48	14.52	OK
				S.L.E. Q.P.		0.00			-2.17			0.69	0.00	1.51	10.45	OK
Camp.	0.72	402	377	7344.1	1.12	22.90	52.06	0.14	-1.10	-49.06	0.13					
				S.L.E. Freq.		6.67			-0.55			0.11	1.36	52.11	10.25	OK
				S.L.E. Q.P.		8.57			-0.67			0.14	1.74	66.92	13.16	OK
66	1.44	471	389			40.63	60.44	0.15	0.00	-50.48	0.14					
				S.L.E. Freq.		16.72			0.00			0.00	3.19	76.55	18.93	OK
				S.L.E. Q.P.		21.61			0.00			0.00	4.13	98.91	24.46	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
66	0.12	471	389			49.79	60.44	0.15	0.00	-50.48	0.14					
				S.L.E. Freq.		19.08			0.00			0.00	3.64	87.31	21.60	OK
				S.L.E. Q.P.		23.19			0.00			0.00	4.43	106.16	26.26	OK
Camp.	0.84	402	377	7344.1	1.12	28.14	52.06	0.14	-4.31	-49.06	0.13					
				S.L.E. Freq.		8.80			-0.55			0.11	1.79	68.74	13.52	OK

				S.L.E. Q.P.		8.74			-0.67			0.14	1.78	68.30	13.43	OK
67	1.56	354	140			5.49	46.24	0.13	-9.28	-20.15	0.11					
				S.L.E. Freq.		0.00			-3.58			1.14	0.00	2.55	17.23	OK
				S.L.E. Q.P.		0.00			-3.40			1.09	0.00	2.42	16.35	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
67	0.00	350	140			7.40	45.78	0.13	-11.38	-20.15	0.11					
				S.L.E. Freq.		0.13			-3.68			1.18	0.03	2.87	18.71	OK
				S.L.E. Q.P.		0.00			-3.38			1.08	0.00	2.63	17.17	OK
Camp.	0.78	308	402	7344.1	1.12	0.00	40.74	0.13	-21.32	-52.08	0.14					
				S.L.E. Freq.		0.00			-8.41			1.74	0.00	14.46	65.64	OK
				S.L.E. Q.P.		0.00			-10.85			2.25	0.00	18.67	84.75	OK
68	1.56	353	235			7.40	46.23	0.13	-29.61	-31.75	0.12					
				S.L.E. Freq.		0.00			-12.00			3.03	0.00	10.80	91.86	OK
				S.L.E. Q.P.		0.00			-15.60			3.94	0.00	14.05	119.47	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
68	0.00	357	235			7.69	46.69	0.13	-30.09	-31.76	0.12					
				S.L.E. Freq.		0.00			-12.00			3.03	0.00	10.27	91.87	OK
				S.L.E. Q.P.		0.00			-15.60			3.94	0.00	13.36	119.48	OK
Camp.	0.78	402	402	7344.1	1.12	0.00	52.06	0.14	-30.77	-52.06	0.14					
				S.L.E. Freq.		0.00			-11.57			2.33	0.00	18.70	90.37	OK
				S.L.E. Q.P.		0.00			-14.51			2.93	0.00	23.46	113.37	OK
69	1.56	404	228			7.69	52.29	0.14	-29.68	-30.97	0.12					
				S.L.E. Freq.		0.10			-11.47			2.90	0.02	9.54	90.35	OK
				S.L.E. Q.P.		0.00			-10.70			2.70	0.00	8.90	84.27	OK
Trave Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40																
69	0.00	404	228			7.88	52.29	0.14	-29.20	-30.97	0.12					
				S.L.E. Freq.		0.01			-11.41			2.89	0.00	9.63	89.94	OK
				S.L.E. Q.P.		0.00			-10.73			2.71	0.00	9.04	84.50	OK
Camp.	0.72	402	376	7344.1	1.12	20.10	52.06	0.14	-22.77	-48.87	0.13					
				S.L.E. Freq.		6.08			-8.18			1.69	1.24	47.47	63.71	OK
				S.L.E. Q.P.		0.00			-1.96			0.40	0.00	3.16	15.25	OK
70	1.44	249	345			34.14	33.47	0.12	-15.12	-45.13	0.13					
				S.L.E. Freq.		13.62			-3.46			0.78	3.38	104.77	26.86	OK
				S.L.E. Q.P.		9.11			0.00			0.00	2.26	70.09	12.71	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	Staffe
Trave 49 59 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.30	0.64	0.34	73613.4	41924.0	283754.2	168050.9	ø 8 2br. 75.0'
0.64	1.22	0.58	76256.9	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.22	1.56	0.34	77915.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 59 60 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	45720.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	44120.2	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.56	0.36	42982.5	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 60 61 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	42587.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	44441.3	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.56	0.36	46030.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
Trave 61 62 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40							
0.00	0.36	0.36	70792.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.08	0.73	69204.2	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.08	1.44	0.36	65968.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'

							Trave 62 63 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.12	0.48	0.36	65968.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.48	1.21	0.73	69204.2	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.21	1.56	0.36	70792.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 63 64 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	46072.3	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	44483.6	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.56	0.36	45958.0	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 64 65 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	46294.1	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	48142.6	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.56	0.36	49731.3	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 65 66 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	74443.7	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.08	0.73	72855.0	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.08	1.44	0.36	69619.6	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 66 67 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.12	0.48	0.36	65968.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.48	1.21	0.73	69204.2	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.21	1.56	0.36	70792.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 67 68 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	53093.5	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	51504.9	36042.2	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.56	0.36	47707.2	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 68 69 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	53177.9	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.21	0.85	55676.1	36162.9	283754.2	84025.5	ø 8 2br. 150.0'
1.21	1.56	0.36	57264.8	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
							Trave 69 70 Sez. 1 Rett. 250x400 [mm] trave c.a. 25x40
0.00	0.36	0.36	71285.4	36042.2	283754.2	168050.9	ø 8 2br. 75.0'
0.36	1.08	0.73	69696.8	36042.2	283754.2	100830.5	ø 8 2br. 125.0'
1.08	1.44	0.36	66461.4	39837.1	283754.2	168050.9	ø 8 2br. 75.0'

- Travata: ***95 Travata 6 7 18***

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [N/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
									Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60							
6	0.00	871	1206			4.69	176.31	0.07	-10.54	-241.65	0.08					
				S.L.E. Freq.		0.00			-5.12			0.15	0.00	0.98	8.26	OK
				S.L.E. Q.P.		0.00			-5.06			0.15	0.00	0.97	8.16	OK
Camp.	1.47	1206	1206			25.84	241.94	0.08	0.00	-241.94	0.08					
				S.L.E. Freq.		14.65			0.00			0.00	0.41	23.61	3.75	OK
				S.L.E. Q.P.		10.75			0.00			0.00	0.30	17.32	2.75	OK
7	2.95	804	2413			13.11	163.12	0.08	-18.75	-469.07	0.12					
				S.L.E. Freq.		0.23			-8.48			0.19	0.01	1.07	7.01	OK
				S.L.E. Q.P.		0.00			-5.90			0.13	0.00	0.75	4.87	OK

Trave di fondazione Sez. 2 Rett. 1000x600 [mm] trave 100x60																
7	0.25	804	2413			14.72	163.12	0.08	-27.74	-469.07	0.12					
				S.L.E. Freq.		0.00			-13.72			0.31	0.00	1.74	11.34	OK
				S.L.E. Q.P.		0.00			-7.89			0.18	0.00	1.00	6.53	OK
Camp.	2.22	1206	1206			41.06	241.94	0.08	-2.55	-241.94	0.08					
				S.L.E. Freq.		20.21			0.00			0.00	0.57	32.57	5.17	OK
				S.L.E. Q.P.		15.18			0.00			0.00	0.43	24.47	3.88	OK
18	4.20	894	1206			27.05	180.97	0.07	-15.06	-241.67	0.08					
				S.L.E. Freq.		6.16			-3.15			0.09	0.20	9.85	5.08	OK
				S.L.E. Q.P.		2.46			-0.02			0.00	0.08	3.93	0.64	OK

Da [m]	A [m]	Dx [m]	VSd [N]	Vrd_c [N]	VRd_{max} [N]	Vrd_s [N]	TSd [kNm]	Trd1 [kNm]	Trd2 [kNm]	Staffe
Trave di fondazione 6 7 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.00	2.90	2.90	46038.3	196877.1	1772666.7	393692.3	9743.3	421647.9	263686.0	ø 8 2br. 50.0'
Trave di fondazione 7 18 Sez. 2 Rett. 1000x600 [mm] trave 100x60										
0.30	4.15	3.85	42532.8	196877.1	1772666.7	393692.3	7562.7	421647.9	263686.0	ø 8 2br. 50.0'

Teramo, maggio 2010

I progettisti

Architetti Ilario Tottone e Maurizio De Siati