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SUMMARY REPORT ON
GEOPHYSICAL SURVEYS

SILVER GHOST PROJECT
SKEENA MINING DIVISION, B.C.

FOR
EQUITY SILVER MINES LTD.

BY
INTERPRETEX RESOURCES LTD.

Vancouver, B.C.
July, 1990

T.R. Matich

1.0 INTRODUCTION

A geophysical program consisting of electromagnetic (VLF-EM) and magnetic surveys was carried out on a single grid located on the Silver Ghost claim group in the Skeena Mining Division, B.C. The survey was carried out in July, 1990.

2.0 OBJECTIVES

- to establish a correlation between magnetic minerals and mineralized trends,
- to test the effectiveness of VLF-EM in following possible mineralized trends and to establish new unrecognized conductive trends,
- to establish geophysical areas of interest for future exploration.

3.0 SURVEY SPECIFICATIONS

Survey Parameters

- survey line separation - 100 m.
- survey station spacing - 12.5 m.
- VLF-EM and magnetic survey total 20.0 km.

Equipment Parameters

- VLF-EM and Magnetic Surveys
 - Scintrex Omni Plus combined VLF-EM and magnetometer
 - Dip Angle (in-phase) and Quadrature (out-of-phase) measured in percent at each station
 - VLF-EM Field Strength measured at each station
 - transmitting stations used - NLK (24.8 kHz) - Seattle, Wa.
- NSS (24.0 kHz) - Cutler, Ma.
 - earth's total magnetic field measured in gammas (nT)
 - magnetic variations controlled by automatic magnetic base station recording every 30 seconds
 - instrument accuracy +/- 0.1 nT.

Equipment Specifications - see Appendix I

4.0 DATA

Calculations

Total Field Magnetic Survey

Total field magnetic readings were individually corrected for variations in the earth's magnetic field using magnetic base station values. The formula used for magnetic corrections was;

$$\text{CTFR} = \text{TFR} + (\text{DBL} - \text{BSR})$$

where: CTFR = Corrected Total Field Reading

TFR = Total Field Reading

DBL = Datum Base Level

BSR = Base Station Reading

Presentation

- Magnetic data were profiled and are presented on Figure # 1 at a scale of 1:2500
- Magnetic data were contoured and are presented on Figure # 2 at a scale of 1:2500
- Cutler VLF-EM in-phase, out-of-phase and field strength readings are presented in profile form on Figure # 3 at a scale of 1:2500
- Seattle VLF-EM in-phase, out-of-phase and field strength readings are presented in profile form on Figure # 4 at a scale of 1:2500
- The geophysical interpretation and magnetic contours, trend enhanced along interpreted lineaments, are presented on Figure # 5 at a scale of 1:2500

5.0 INTERPRETATION

Discussion of Results

VLF-EM data collected over the Silver Ghost grid were noise free and no cultural conductors were observed. The Cutler and Seattle transmitters generated similar data, but the Cutler data set was interpreted as the primary frequency because it exhibited the most active response, probably due to better conductor coupling.

VLF-EM data were observed to be quite responsive and numerous northwest and northeast conductors were interpreted over the survey area. The VLF-EM interpretation has outlined three areas where conductors are concentrated. These areas are labeled conductor systems "C1", "C2" and "C3" on Figure # 3.

Conductor system "C1" is located in the southeast portion of the grid and contains three subparallel conductors running from line 200E to line 700E. As well this system contains one other shorter and weaker conductor. Conductors within conductor system "C1" trend east northeast and appear to be abruptly terminated between lines 100E and 200E to the west and conductor "C2" to the east. VLF-EM response ranges from medium to strong with individual anomalies characterized by short wavelengths and moderate to strong quadrature response.

Conductor "C2" is a long, northwest trending feature accompanied by two shorter, subparallel conductors between lines 100W to 100E. The western portion of conductor "C2" is characterized by numerous closely spaced conductors exhibiting medium to strong response and short wavelengths. Due to the complex, closely spaced anomalies within this system, delineating individual conductors was difficult. In order to more accurately define the multiple conductors discovered in this portion of the grid a more detailed survey would be required.

Conductor system "C3" is located in the northwest portion of the grid and contains numerous short, northwest trending conductors. VLF-EM response is similar to system "C1" response.

Three individual conductors, labeled "C4", "C5" and "C6" on Figure #3, are not located within the conductor systems discussed above.. Conductor "C4" is a weak, northwest trending feature that is interesting due to its association with a mapped mineralized shear zone. Conductor "C4" is characterized by weak VLF-EM response and a short wavelength. Trending east northeast, Conductor "C5" lies immediately to the north of "C4" and is characterized by strong response with short wavelengths. Conductor "C6" is located in the northern portion of the grid between lines 400E and 600E. This east-west trending conductor exhibits strong response and short wavelengths.

Total field magnetic data over the Silver Ghost grid were noise free with no cultural sources observed. Magnetic readings range from 57143 nT to 57593 nT. The magnetic datum value for the total field magnetic profile map, Figure # 1, was determined by statistical analysis to be 57250 nT. This datum value, which graphically shows if a magnetic reading is above or below the mean value for the grid, was also the threshold between dashed and solid contours on the total field magnetic contour map, Figure # 2.

The majority of the grid is characterized by relatively quiet magnetic activity. Three magnetic features were interpreted to be of interest and are labeled lineaments "L1" to "L3" on Figure # 2. Magnetic lineament "L1" is a relatively long, northwest trending series of weak magnetic highs. These magnetic highs exhibit monopolar response and range from 100 to 200 nT. above background values. The only correlation with VLF-EM results was between the subparallel magnetic lineament "L1" and conductor "C2".

Magnetic lineament "L2" is a northeast trending feature which exhibits a similar type of response as discussed above. Lineament "L2" intersects "L1" at line 100W.

Magnetic lineament "L3" is a northwest trending high feature which exhibits the strongest response observed on the grid. Lineament "L3" exhibits a closely spaced double monopolar response along its entire strike length.

Conclusions

The numerous VLF-EM conductors discovered on the grid are primarily interpreted to represent conductive structures. Stronger anomalies in the vicinity of conductor intersections may represent structural traps or fault dilations and are interpreted to be the best candidates for further exploration in the area. The predominantly short wavelength VLF-EM anomalies discovered by the present survey show that conductors in the area are mostly near surface and narrow. In addition, conductors often have a strong quadrature response indicating moderate conductance (conductivity-thickness product). A narrow conductor, such as those discovered here, would need to be fairly conductive in order to generate the strong quadrature responses discovered by the present survey. This implies that many conductors have good conductivity and suggests that some may contain sulphide minerals.

Conductor "C2" is interpreted to be the best geophysical target for further exploration. This conductor exhibits the strongest response discovered in the area and also roughly follows magnetic lineament "L1". The moderate conductance of conductor "C2" indicates that it probably represents a structural feature and from the complex and closely spaced anomalies concentrated around the western portion of the conductor, possibly a breccia or fault zone.

The weak conductor labeled "C4" is believed to represent the mineralized shear zone located at the origin of the grid. Conductor "C4" is interesting because the relatively strong quadrature response indicates a significantly strong, but narrow and short conductor. Since "C2" trends in the same direction it is possible that "C2" represents a similar and more conductive, possibly mineralized feature.

Conductor systems "C1" and "C3" are interpreted to represent structural features. Conductor system "C1" may reflect splay faults related to "C2" since most of system "C1" conductors intersect and terminate at conductor "C2".

Weak background magnetic response over the grid has allowed the delineation of subtle magnetic features. Relatively weak magnetic high features discovered by the present survey are interpreted to represent slightly basic (possibly fault controlled) dykes.

6. RECOMMENDATIONS

VLF-EM and magnetic methods have outlined magnetic and conductive trends warranting follow-up exploration. Surface geological investigations are recommended to determine the importance of targets discussed in order of priority in the conclusions section above.

If further geophysical surveys are planned, a vertical loop electromagnetic survey is recommended to more accurately define the conductance and location of strong VLF-EM conductors. A horizontal loop survey would be unnecessarily expensive because most conductors appear to be near surface. If disseminated mineralization is believed to be present, an induced polarization-resistivity survey is recommended to determine chargeable and resistive zones in the area.

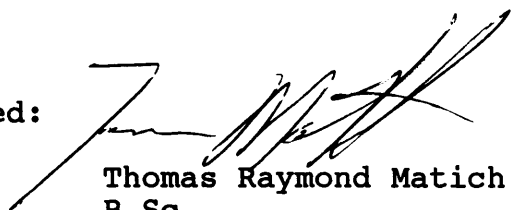
CERTIFICATE

I, Thomas Raymond Matich, Geophysicist of Surrey, British Columbia, Canada, hereby certify that:

1. I received a B.Sc. degree in Geophysics from the University of British Columbia in 1982.
2. I currently reside at 13914 116 Ave, in the Municipality of Surrey, in the Province of British Columbia.
3. I have been practising my profession since graduation.
4. This report may be used for the development of the property, provided that no portion will be used out of context in such a manner as to convey meanings different from that set out in the whole.
5. Consent is hereby given to the company for which this report was prepared to reproduce the report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

Date: Aug 12, 1990
Surrey,
British Columbia

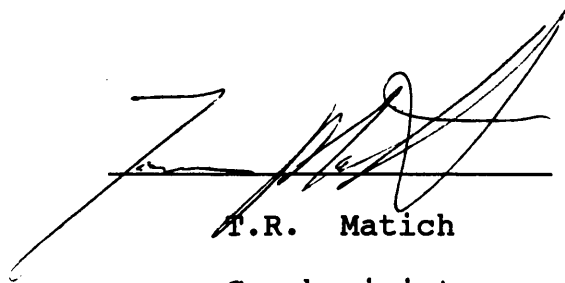
Signed:


Thomas Raymond Matich
B.Sc.

Respectfully Submitted

INTERPRETEX RESOURCES LTD.

Vancouver, British Columbia

A handwritten signature in black ink, appearing to be 'T.R. Matich', is written over a horizontal line. The signature is stylized and somewhat cursive.

T.R. Matich

Geophysicist

AUTHOR'S NOTE

Data interpreted in this report were accumulated without supervision by Interpretex Resources Ltd. and were supplied by the Client to the writer(s). These data and the locations on the ground from which these data were accumulated are, except when specified otherwise by the writer(s), assumed to be reliable and correct and were interpreted using this assumption.

APPENDIX I

Equipment Specifications

OMNIPUS VLF/Magnetometer System

EDA

Specifications*

Frequency Tuning Range	15 to 30 kHz, with bandwidth of 150 Hz; tuning range accommodates new Puerto Rico station at 28.5 kHz
Transmitting Stations Measured	Up to 3 stations can be automatically measured at any given grid location within frequency tuning range
Recorded VLF Magnetic Parameters	Total field strength, total dip, vertical quadrature (or alternately, horizontal amplitude)
Standard Memory Capacity	800 combined VLF magnetic and VLF electric measurements as well as gradiometer and magnetometer readings
Display	Custom designed, ruggedized liquid crystal display with built-in heater and an operating temperature range from -40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal strength status monitor and function descriptors.
RS232C Serial I/O Interface	2400 baud rate, 8 data bits, 2 stop bits, no parity
Test Mode	A. Diagnostic Testing (data and programmable memory) B. Self Test (hardware)
Sensor Head	Contains 3 orthogonally mounted coils with automatic tilt compensation
Operating Environmental Range	-40°C to +55°C; 0 - 100% relative humidity; Weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid 18V DC battery cartridge or belt; 18V DC disposable battery belt; 12V DC external power source for base station operation only.
Weights and Dimensions	
Instrument Console	2.8 kg, 128 x 150 x 250 mm
Sensor Head	2.1 kg, 130 dia. x 130 mm
VLF Electronics Module	1.1 kg, 40 x 150 x 250 mm
Lead Acid Battery Cartridge	1.8 kg, 235 x 105 x 90 mm
Lead Acid Battery Belt	1.8 kg, 540 x 100 x 40 mm
Disposable Battery Belt	1.2 kg, 540 x 100 x 40 mm

*Preliminary

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OMNIV 'Tie-Line' Magnetometer



Specifications

Dynamic Range	18,000 to 110,000 gammas. Roll-over display feature suppresses first significant digit upon exceeding 100,000 gammas.
Tuning Method	Tuning value is calculated accurately utilizing a specially developed tuning algorithm
Automatic Fine Tuning	± 15% relative to ambient field strength of last stored value
Display Resolution	0.1 gamma
Processing Sensitivity	± 0.02 gamma
Statistical Error Resolution	0.01 gamma
Absolute Accuracy	± 1 gamma at 50,000 gammas at 23°C ± 2 gamma over total temperature range
Standard Memory Capacity	
Total Field or Gradient	1,200 data blocks or sets of readings
Tie-Line Points	100 data blocks or sets of readings
Base Station	5,000 data blocks or sets of readings
Display	Custom designed, ruggedized liquid crystal display with an operating temperature range from -40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
RS 232 Serial I/O Interface	2400 baud, 8 data bits, 2 stop bits, no parity
Gradient Tolerance	6,000 gammas per meter (field proven)
Test Mode	A. Diagnostic testing (data and programmable memory) B. Self Test (hardware)
Sensor	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy.
Gradient Sensors	0.5 meter sensor separation (standard), normalized to gammas/meter. Optional 1.0 meter sensor separation available. Horizontal sensors optional.
Sensor Cable	Remains flexible in temperature range specified, includes strain-relief connector
Cycling Time (Base Station Mode)	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range	-40°C to +55°C; 0-100% relative humidity; weather proof
Power Supply	Non magnetic rechargeable sealed lead-acid battery cartridge or belt; rechargeable NiCad or Disposable battery cartridge or belt; or 12V DC power source option for base station operation.
Battery Cartridge/Belt Life	2,000 to 5,000 readings, for sealed lead acid power supply, depending upon ambient temperature and rate of readings
Weights and Dimensions	
Instrument Console Only	2.8 kg, 238 x 150 x 250mm
NiCad or Alkaline Battery Cartridge	1.2 kg, 235 x 105 x 90mm
NiCad or Alkaline Battery Belt	1.2 kg, 540 x 100 x 40mm
Lead-Acid Battery Cartridge	1.8 kg, 235 x 105 x 90mm
Lead-Acid Battery Belt	1.8 kg, 540 x 100 x 40mm
Sensor	1.2 kg, 56mm diameter x 200mm
Gradient Sensor (0.5m separation - standard)	2.1 kg, 56mm diameter x 790mm
Gradient Sensor (1.0m separation - optional)	2.2 kg, 56mm diameter x 1300mm
Standard System Complement	Instrument console; sensor; 3-meter cable, aluminum sectional sensor staff, power supply, harness assembly, operations manual.
Base Station Option	Standard system plus 30 meter cable
Gradiometer Option	Standard system plus 0.5 meter sensor

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APPENDIX II

Data Listing

INTERPRETEX RESOURCES LTD. Data Listing

Area: SKEENA, B.C. Current File Name: SGDAT.WR1
 Grid: SILVER GHOST From File Name: SG.XYZ
 Date: July, 1990

INSTRUMENT TYPE: EDA Omni Plus VLF-EM/Magnetometer System

(Line & Station + = Northings and Eastings,
 - = Southings and Westings)

DATA TYPE(S):	DATA DETAILS:
#1. Total Field Magnetic Values	Corrected total magnetic field
#2. VLF-EM In-Phase Values	Cutler Transmitter - facing north
#3. VLF-EM Quadrature	Cutler Transmitter - facing north
#4. VLF-EM Field Strength	Cutler total field strength
#5. VLF-EM In-Phase Values	Seattle Transmitter - facing north
#6. VLF-EM Quadrature	Seattle Transmitter - facing north
#7. VLF-EM Field Strength	Seattle total field strength

E/W	N/S	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.
LINE #	STATION							
line -1000								
-1000	-250	57220.1	2.1	-0.2	4.7	-3.3	-0.1	42.2
-1000	-237.5	57218.3	2.0	-0.5	4.7	-4.5	-1.2	41.3
-1000	-225	57200.5	2.6	-0.2	4.6	-4.4	-1.3	40.6
-1000	-212.5	57192.8	2.4	-0.1	4.6	-4.6	-1.5	40.2
-1000	-200	57189.3	3.7	-1.0	4.5	-4.1	-2.4	39.0
-1000	-187.5	57190.3	7.2	1.8	4.5	-2.9	-4.5	38.7
-1000	-175	57195.4	5.4	3.3	4.7	-0.6	-5.8	38.7
-1000	-162.5	57211.1	-1.7	0.2	4.8	5.0	-5.5	37.6
-1000	-150	57208.5	-1.3	-2.6	4.3	12.9	-3.2	36.8
-1000	-137.5	57194.9	8.8	2.8	4.2	16.5	-3.9	36.5
-1000	-125	57201.4	10.7	3.0	4.3	17.2	-5.2	36.3
-1000	-112.5	57198.5	8.8	-0.3	4.3	16.3	-4.8	35.7
-1000	-100	57196.8	13.8	4.2	4.2	19.3	-4.8	35.5
-1000	-87.5	57192.7	25.0	9.6	4.4	24.1	-3.7	36.1
-1000	-75	57204.0	18.4	4.2	5.6	20.7	-0.7	39.2
-1000	-62.5	57202.5	-5.2	0.4	5.2	6.9	2.7	39.0
-1000	-50	57220.4	-4.2	1.4	4.7	7.9	4.6	39.2
-1000	-37.5	57223.0	-0.8	-0.6	4.4	10.4	4.3	40.2
-1000	-25	57231.2	6.4	0.1	4.2	14.1	6.0	40.5
-1000	-12.5	57218.6	15.6	3.3	4.4	16.8	4.9	41.6
-1000	0	57207.4	18.5	5.0	4.5	15.9	3.3	42.5
-1000	12.5	57207.8	20.6	6.0	4.7	17.2	3.0	42.9
-1000	25	57217.0	21.9	4.5	4.7	17.5	3.2	43.1
-1000	37.5	57236.0	22.5	6.1	5.0	18.7	4.0	42.7
-1000	50	57205.6	22.9	4.8	5.0	17.1	2.3	42.5
-1000	62.5	57194.3	10.5	-5.2	5.7	15.8	1.6	42.6
-1000	75	57197.0	7.7	-5.7	5.1	16.0	2.6	42.6
-1000	87.5	57195.0	15.5	0.9	4.9	20.9	4.4	42.7
-1000	100	57229.1	17.5	3.4	5.5	21.0	5.0	44.8
-1000	112.5	57352.2	5.7	-2.1	5.7	16.6	0.9	44.4
-1000	125	57356.3	2.7	-1.8	5.1	17.8	1.7	43.7
-1000	137.5	57342.0	8.2	-0.1	4.9	21.6	1.7	43.6
-1000	150	57593.7	12.7	1.2	4.8	25.2	3.6	44.0
-1000	162.5	57476.3	19.0	5.4	4.8	31.9	6.6	45.8
-1000	175	57360.3	22.8	1.7	5.1	36.3	4.9	48.3
-1000	187.5	57234.3	15.7	0.1	5.5	27.4	-0.4	54.1
-1000	200	57199.2	11.3	-0.5	5.3	20.9	-1.2	54.2

-1000	212.5	57199.4	12.8	1.3	5.0	20.1	-1.1	53.7
-1000	225	57218.1	16.8	4.7	4.8	20.1	-1.2	53.9
-1000	237.5	57200.0	26.1	9.2	4.9	23.3	-1.5	53.1
-1000	250	57229.2	30.4	8.5	5.4	26.2	-0.5	52.8
-1000	262.5	57193.1	21.0	3.9	5.9	23.8	-0.6	54.4
-1000	275	57189.9	10.2	3.5	5.5	19.5	-0.3	56.3
-1000	287.5	57190.7	12.8	3.5	5.2	18.7	-2.4	57.0
-1000	300	57190.9	15.8	3.8	5.3	17.2	-4.1	57.3
-1000	312.5	57202.5	12.3	1.9	5.5	15.3	-4.0	56.5
-1000	325	57215.6	9.9	2.5	5.4	13.7	-1.3	56.1
-1000	350	57192.0	10.5	2.6	5.2	11.8	-0.3	57.0
-1000	362.5	57188.3	11.1	2.0	5.4	7.6	-2.7	56.6
-1000	375	57184.7	10.7	2.1	5.3	5.6	-2.3	54.7
-1000	387.5	57194.5	12.2	5.9	5.5	8.0	2.3	54.5
-1000	400	57196.6	6.9	1.2	5.5	5.5	2.1	55.9
-1000	412.5	57201.4	6.0	0.8	5.5	5.0	2.0	55.4
-1000	425	57201.7	5.5	4.5	5.4	4.9	3.2	55.2
-1000	437.5	57205.1	3.1	2.1	5.3	4.3	1.7	55.0
-1000	450	57203.4	3.3	1.4	5.2	3.4	0.8	54.8
-1000	462.5	57205.0	3.8	0.6	5.0	4.1	0.4	53.6
-1000	475	57206.3	4.5	0.9	4.6	4.2	0.1	52.7
-1000	487.5	57204.3	8.2	1.5	4.9	5.6	-0.2	51.8
-1000	500	57204.4	7.5	1.0	4.9	5.6	-0.2	51.9

line -900

-900	-275	57228.3	-0.1	-3.3	4.4	0.5	-1.5	40.7
-900	-262.5	57227.0	1.6	-2.9	4.4	1.8	-1.5	41.2
-900	-250	57216.1	4.1	-1.9	4.3	3.6	-1.0	41.1
-900	-237.5	57208.4	4.9	-3.7	4.4	3.5	-0.9	41.5
-900	-225	57205.8	4.2	-5.7	4.4	0.7	-1.5	41.0
-900	-212.5	57205.8	7.1	-6.3	4.3	0.3	-1.0	40.2
-900	-200	57200.9	9.0	-3.8	4.3	0.1	-1.5	40.0
-900	-187.5	57209.4	10.4	-2.7	4.3	0.7	-1.2	39.8
-900	-175	57201.7	13.4	-1.8	4.4	3.7	-0.2	40.0
-900	-162.5	57204.1	12.7	-1.0	4.4	7.2	0.2	40.4
-900	-150	57222.1	13.1	-0.2	4.4	11.1	-0.2	41.2
-900	-137.5	57230.6	14.0	-4.0	4.4	18.4	0.7	42.0
-900	-125	57196.6	15.0	-4.2	4.5	23.0	0.1	42.6
-900	-112.5	57205.7	12.0	-5.9	4.4	25.8	-0.1	43.4
-900	-100	57216.3	17.3	-4.1	4.3	31.0	1.6	44.0
-900	-87.5	57238.5	18.1	-1.2	4.5	29.9	0.2	45.6
-900	-75	57257.7	13.9	-3.9	4.6	26.8	0.9	45.3
-900	-62.5	57225.3	13.2	-3.1	4.5	24.6	2.7	44.8
-900	-50	57246.5	15.2	-2.1	4.3	22.1	3.1	43.5
-900	-37.5	57269.3	19.8	-0.1	4.3	22.9	3.8	42.3
-900	-25	57281.8	23.3	-0.5	4.4	23.2	2.1	43.2
-900	-12.5	57337.0	25.3	-0.9	4.4	20.1	-0.9	42.7
-900	0	57345.6	30.3	-3.2	4.5	22.4	-0.3	42.2
-900	12.5	57310.8	32.9	-0.6	4.6	20.4	-1.4	42.0
-900	25	57398.6	37.4	0.1	5.0	24.2	0.6	42.6
-900	37.5	57414.5	37.3	1.4	5.4	27.0	1.2	43.3
-900	50	57318.6	32.4	2.9	5.9	30.3	1.8	44.0
-900	62.5	57260.3	17.4	-3.5	6.0	33.3	1.8	45.0
-900	75	57217.4	13.1	-5.7	5.4	33.4	-0.3	46.6
-900	87.5	57205.1	15.2	-5.2	5.1	33.2	-1.7	47.9
-900	100	57218.0	18.7	-4.0	5.1	32.8	-2.9	49.2
-900	112.5	57239.5	21.7	-5.1	5.2	30.9	-5.5	49.9
-900	125	57233.5	23.1	-5.4	5.3	28.9	-6.8	50.9
-900	137.5	57233.5	20.4	-5.5	5.5	25.7	-8.3	51.7
-900	150	57219.6	15.1	-4.5	5.5	20.9	-7.5	52.4
-900	162.5	57219.7	14.3	-3.7	5.4	19.3	-6.3	52.9

-900	175	57207.4	13.5	-2.7	5.3	17.4	-4.4	53.3
-900	187.5	57193.2	12.1	-4.2	5.4	14.7	-4.2	53.7
-900	200	57210.9	12.0	-5.5	5.2	13.6	-2.7	53.5
-900	212.5	57210.3	12.1	-5.3	5.2	14.1	-1.8	54.0
-900	225	57194.5	10.7	-3.6	5.3	11.4	-2.6	54.4
-900	237.5	57190.8	8.0	-4.1	5.1	10.9	-2.1	55.1
-900	250	57195.6	8.2	-0.4	4.7	10.1	-3.3	54.3
-900	262.5	57190.1	12.9	2.3	4.6	12.4	-2.6	53.3
-900	275	57218.1	23.6	5.7	5.0	16.9	-2.5	53.5
-900	287.5	57238.5	11.8	-2.4	5.7	13.4	-2.9	54.6
-900	300	57197.7	1.8	-3.3	5.1	10.2	-1.1	53.0
-900	312.5	57176.7	4.8	2.3	4.8	11.0	-0.4	52.6
-900	325	57194.3	11.5	2.5	4.7	13.3	0.4	51.4
-900	337.5	57200.2	12.7	1.3	5.2	13.6	0.9	53.0
-900	350	57199.2	6.6	2.2	4.9	12.0	2.1	53.3
-900	362.5	57210.8	9.1	4.3	4.9	12.7	3.1	53.9
-900	375	57215.0	10.0	5.4	5.1	11.8	3.5	54.2
-900	387.5	57221.6	5.4	2.7	5.3	9.0	2.8	54.0
-900	400	57204.4	-0.7	-1.9	5.2	5.4	1.0	53.3
-900	412.5	57234.4	-0.8	-0.3	4.9	5.3	0.9	52.8
-900	425	57204.2	0.1	0.2	4.8	5.8	2.2	53.1
-900	437.5	57209.8	-0.1	0.9	4.7	6.1	2.3	53.1
-900	450	57207.9	3.4	2.4	4.7	7.2	3.3	53.3
-900	462.5	57209.5	-0.3	-2.8	4.6	7.0	2.4	53.3
-900	475	57209.5	-0.3	-4.5	4.5	6.7	2.4	53.1
-900	487.5	57205.4	3.6	-1.7	4.3	6.8	1.7	53.2
-900	500	57235.4	11.7	1.9	4.2	7.0	1.4	52.6

line -800

-800	-200	57237.9	20.4	7.6	3.9	22.6	0.6	38.9
-800	-187.5	57255.1	20.3	6.2	4.0	21.0	0.0	39.8
-800	-175	57237.1	16.7	8.0	4.1	17.8	-0.7	39.6
-800	-162.5	57212.3	12.9	7.3	4.1	16.2	1.1	39.0
-800	-150	57189.6	10.2	6.8	4.1	15.8	1.8	38.0
-800	-137.5	57226.8	10.0	4.1	4.0	18.4	1.8	37.6
-800	-125	57291.4	15.5	5.0	4.0	23.4	3.3	37.2
-800	-112.5	57273.3	19.4	5.8	4.1	29.7	7.0	39.8
-800	-100	57477.9	20.2	5.2	4.2	33.5	6.9	42.1
-800	-87.5	57228.3	21.7	2.1	4.2	38.0	7.4	43.8
-800	-75	57212.0	24.7	0.0	4.2	40.5	7.8	44.5
-800	-62.5	57233.0	26.8	1.0	4.3	40.2	6.7	45.3
-800	-50	57241.1	25.3	-0.9	4.3	37.4	6.6	46.0
-800	-37.5	57236.0	24.5	-1.3	4.4	37.3	6.2	45.4
-800	-25	57231.2	23.0	-2.9	4.5	36.3	5.5	45.1
-800	-12.5	57234.2	23.2	-2.8	4.5	36.2	5.4	45.6
-800	0	57234.3	23.6	-3.1	4.5	35.1	5.5	46.3
-800	12.5	57236.1	21.9	-3.5	4.6	33.5	4.8	47.8
-800	25	57216.1	21.2	-4.3	4.5	31.4	4.3	47.9
-800	37.5	57213.1	22.9	-4.8	4.5	29.1	3.8	48.2
-800	50	57213.2	22.4	-3.4	4.5	27.6	4.2	48.5
-800	62.5	57229.9	26.4	-2.9	4.7	27.3	4.1	49.3
-800	75	57224.3	24.9	-4.0	4.9	27.1	3.7	50.0
-800	87.5	57199.4	24.5	-3.1	5.0	26.8	3.5	50.4
-800	100	57196.0	22.5	-6.9	5	25.5	2.5	50.5
-800	112.5	57199.3	9.7	-9	5.3	26.3	-0.6	51.9
-800	125	57189	8.6	-10.7	4.9	28.7	-3	53.5
-800	137.5	57202.4	15.7	-9	4.6	39.1	-6.6	59.1
-800	150	57224.4	24.2	-11.8	4.8	58.6	-7.4	62.2
-800	162.5	57226	11.9	-10.9	5.7	34.2	-10.5	63.4
-800	175	57189.9	3	-11.2	5.4	21.9	-9.7	59.7
-800	187.5	57188.5	1.8	-7.1	5	16.8	-6.2	55.9

-800	200	57253.4	5.6	-2.2	4.7	15	-3.5	54.9
-800	212.5	57232.1	9.2	0.1	4.7	14.2	-2.9	53.5
-800	225	57230.7	8.5	1.8	4.8	12.6	-1.8	52.9
-800	237.5	57228.3	8	-0.3	5	12.2	-1.3	51.9
-800	250	57222.3	1.2	-3.4	5	10.4	-0.3	52
-800	262.5	57216.7	0.9	-5.7	4.6	10.4	0	51.1
-800	275	57208.1	2.1	-5.2	4.4	10.5	-0.3	51
-800	287.5	57205.1	8.3	-3	4.2	11.5	-1.2	50.1
-800	300	57201.5	14.8	0.3	4.1	13.5	-1.3	49.5
-800	312.5	57211.8	24.4	5.8	4.6	17.2	-1.8	49.4
-800	325	57221.7	15.5	-1.1	5	14.9	-2.3	50.5
-800	337.5	57205.2	9.5	-1.8	4.8	12.7	-1.5	51
-800	350	57214.9	10.1	2	4.7	12.8	-1.1	51.7
-800	362.5	57211.3	8.4	3.2	4.6	11.1	-0.4	53.3
-800	375	57211.1	10.8	4.8	4.7	9.7	-0.3	53.8
-800	387.5	57217.1	9	4.4	4.7	9	1.1	53.7
-800	400	57217.3	8.9	4.8	4.7	8.2	1.5	53.7
-800	412.5	57219.7	9.4	5.3	4.7	7.6	2.1	53.7
-800	425	57218.2	9.8	6.3	4.8	7.2	2.5	53.2
-800	437.5	57213.2	5.8	5.5	4.9	4.7	2.1	53.1
-800	450	57210.9	0.6	3.3	4.8	2.7	1.6	53
-800	462.5	57210.9	0	4.1	4.7	2.4	1	51.4
-800	475	57216.9	-1.3	0.1	4.5	4.1	2.2	51
-800	487.5	57217.1	2.5	3.2	4.4	5.8	2	50.7
-800	500	57221.1	0.5	-0.1	4.3	5.7	0.5	50.4
line -700								
-700	-250	57456.6	2.4	1.5	3.8	11.9	11.2	39.9
-700	-237.5	57438	5.2	1.9	3.8	13	10.1	40.2
-700	-225	57228	8.1	2.4	3.7	12.9	9.4	40.5
-700	-212.5	57188.5	11.4	3.6	3.8	14.1	8.5	41.4
-700	-200	57201.6	13	5.1	3.7	15.5	9.9	41.5
-700	-187.5	57213.5	15.3	5.7	3.7	16.4	10.7	42.5
-700	-175	57230.3	16.8	4	3.8	17.6	10.8	42.8
-700	-162.5	57226.3	18.9	3.7	3.9	17.9	11.5	43.2
-700	-150	57215.4	19.5	2.7	4	18	10.2	44.1
-700	-137.5	57234.2	21.1	2.9	4.1	18.5	11.9	44.4
-700	-125	57212	21.3	2.4	4.1	18.9	12.7	45
-700	-112.5	57205.3	24.1	0.4	4.1	18.7	11.9	45.5
-700	-100	57205.9	22.5	-0.4	4.2	18.7	12.6	47
-700	-87.5	57207.1	23.2	0.1	4.2	17.5	12.1	46.9
-700	-75	57207.6	23.2	-2.2	4.2	17.5	12.1	47.2
-700	-62.5	57225.2	21.6	-3.6	4.3	16.1	10.8	48
-700	-50	57229.6	18.3	-5.8	4.3	12.5	7.5	47.8
-700	-37.5	57219.1	16.9	-7.4	4.2	10	6.3	47
-700	-25	57214.4	18.8	-7.3	4.2	9.1	6.6	46.9
-700	-12.5	57210.6	19.5	-8.9	4.1	10.1	7.4	46.3
-700	0	57210.8	21.3	-4.1	4.1	9.6	7.8	46.6
-700	12.5	57223.8	20.8	-8.3	4.2	10.6	8	45.7
-700	25	57204.9	22.4	-5.5	4.1	10.8	8	45.9
-700	37.5	57205.6	23.8	-4.5	4.2	11	8.1	46.4
-700	50	57216.2	25.4	-2.5	4.3	11.5	7.6	46.7
-700	62.5	57216.2	25.1	-2.7	4.3	11.3	6.4	47.4
-700	75	57210.6	25.4	-2.5	4.5	11.4	6.3	48.2
-700	87.5	57211	25.1	-0.2	4.6	10.8	5.5	48.3
-700	100	57212.7	22.6	-0.1	4.8	11.5	4.3	48.4
-700	112.5	57214.6	20.1	-0.9	4.9	11.4	3.9	48.6
-700	125	57216.6	12	-5.9	5	11.7	3.4	48.9
-700	137.5	57217.2	9.7	-7.7	5	10.9	2.5	48.4
-700	150	57211.3	4.7	-9.4	4.9	10.1	1.5	48.9
-700	162.5	57213	4.6	-9.8	4.8	10	0.9	48.6

-700	175	57213.1	5.5	-9.1	4.8	10.6	0.7	48.8
-700	187.5	57209.5	2.8	-9.3	4.8	9.6	0.5	48.8
-700	200	57221.1	1.6	-9.2	4.8	10	0.6	48.2
-700	212.5	57222.8	-1.4	-8.7	4.6	10.2	1.1	47.8
-700	225	57227	0	-6.6	4.5	12	2	47.4
-700	237.5	57237.8	1.7	-2.2	4.3	13.1	2.1	47.2
-700	250	57225.8	2.6	-1	4.4	12	1.7	48.2
-700	262.5	57207.3	2.3	-3.7	4.3	11.2	0.9	47.9
-700	275	57223.7	7.8	0	4.2	12.8	1.5	47
-700	287.5	57193.6	11.1	1.2	4.7	15.7	2.8	48.3
-700	300	57205.1	-3.6	-7.6	4.8	10.8	-0.8	48.9
-700	312.5	57209.3	-9.3	-10.1	4.3	8.7	-2.3	48.1
-700	325	57205.4	-4.6	-10.8	3.9	10.2	-2.6	47.4
-700	337.5	57207	3.1	-5.7	3.7	12.1	-3	47.9
-700	350	57212.9	12.4	-2.6	3.7	13.5	-3.9	48.6
-700	362.5	57222.4	21.7	-1.2	3.8	14.8	-5.5	49.1
-700	375	57213.3	23.2	-11	4.6	19.6	-6.8	53.2
-700	387.5	57201.3	13.4	-8.9	4.8	22.3	-10.6	56.2
-700	400	57202.1	1.2	-7.5	4.5	10.4	-11.2	55.2
-700	412.5	57210.2	-8	0.1	4.2	5.5	-2.3	53.9
-700	425	57206.9	-6.2	4.1	3.8	0.6	-0.2	51.6
-700	437.5	57213.8	0.7	6	3.7	-0.5	0.6	49.7
-700	450	57214.1	3.2	6.5	3.8	-1.3	0.7	48.6
-700	462.5	57214.3	6.6	4.5	3.8	-1.7	0	47.5
-700	475	57208.1	9.1	3.7	3.8	-3.6	-1	46.6
-700	487.5	57209.7	11.5	3.5	3.9	-3	-1.6	46.4
-700	500	57202.4	16.6	5	4	-4.4	-2.9	46

line -600

-600	-225	57212.7	14	15.7	3.3	14.8	7.5	37
-600	-212.5	57216.8	15.1	14.3	3.4	14.5	7.7	37.3
-600	-200	57214.2	15.8	12.1	3.4	14.6	8.2	37.7
-600	-187.5	57213.2	17.4	11.4	3.4	13.7	7.9	38.3
-600	-175	57214.9	17.4	10.4	3.5	14.4	9.1	38.8
-600	-162.5	57213.1	19.4	11.7	3.5	15.3	9.9	39.3
-600	-150	57214.7	19.5	9.1	3.5	15	10.4	39.9
-600	-137.5	57207.4	19.1	8.7	3.5	13.5	9	41.1
-600	-125	57214	19.5	7.3	3.5	10.9	6.2	41.3
-600	-112.5	57214.7	20.9	6.6	3.5	11.2	6	41.8
-600	-100	57212.6	21.1	6.3	3.6	10.5	5.2	41.4
-600	-87.5	57215.6	21.6	5.6	3.7	10.1	4.6	41.8
-600	-75	57222.4	20.7	3.4	3.7	9.7	4.7	42
-600	-62.5	57223.2	20.8	-0.9	3.8	10.3	6.6	41.9
-600	-50	57224.9	20	-0.2	3.8	10.2	6.3	42.3
-600	-37.5	57211.1	19.2	-0.4	3.8	10.6	6.5	42.2
-600	-25	57218.2	17.5	-0.6	3.8	11.1	6.1	42.1
-600	-12.5	57213	17	-0.2	3.8	10.6	5.6	42.4
-600	0	57215.3	17.8	-1.5	3.9	11.5	6.4	42.4
-600	12.5	57215	16.9	-3.3	3.9	12.2	6.5	42.8
-600	25	57227	18	-2.4	3.9	12.3	6.1	43.4
-600	37.5	57216	18.9	-3.8	4	12.1	5.4	43.4
-600	50	57222.4	18.8	-3.1	3.9	12.3	5.2	43.5
-600	62.5	57231.9	19.3	-3	4	11.5	4.2	44
-600	75	57230.9	17.7	-5.5	4.1	11	3.6	44.3
-600	87.5	57228.1	16.5	-9.2	4.1	9.4	1.5	43.6
-600	100	57222.2	15.1	-11.1	4.1	8.4	1.4	43.5
-600	112.5	57222.1	17.4	-11.5	4.1	8	0.5	43.4
-600	125	57211.8	19.4	-10.3	4	8.7	0.6	43
-600	137.5	57213.3	21.8	-7.3	4.1	9.7	1.1	43.5
-600	150	57216.7	23.9	-3.6	4.2	11.1	0.8	43.2
-600	162.5	57219.1	20.6	-4.3	4.4	11.1	1.2	44.3

-600	175	57220.1	20.5	-6.1	4.5	10.3	1	44.7
-600	187.5	57218.2	19.1	-3.8	4.7	10.5	0.3	45
-600	200	57222.6	13	-7.3	4.8	10.1	0.1	45.2
-600	212.5	57213.7	7.9	-10.6	4.8	9.2	-0.7	45
-600	225	57212.9	3.4	-11.1	4.6	8.3	0	44.9
-600	237.5	57214.1	2.6	-10.2	4.6	7.4	0	45
-600	250	57211.6	1.7	-9.7	4.4	6.3	0.2	45
-600	262.5	57213.7	3.9	-3.4	4.2	6.7	1.1	44.8
-600	275	57218.7	3.2	-5	4.4	7.4	1.2	45.2
-600	287.5	57220.1	4.9	0.2	4.2	8.2	0.8	45.3
-600	300	57217.2	6	4.9	4.2	7.9	1.1	46.1
-600	312.5	57217	7.4	5.2	4.2	8.4	0.8	46.1
-600	325	57219.8	10.6	7.1	4.3	8.8	1	46.4
-600	337.5	57218.8	4.5	0.5	4.5	7.4	1.9	46.9
-600	350	57216.5	-0.6	-3.1	4.4	4.5	2.1	47.7
-600	362.5	57214.7	-0.7	-2.7	4.3	2.9	1.3	47.7
-600	375	57213.7	-4.1	-3.8	4.3	1.2	1.2	46.8
-600	387.5	57214.2	-5.7	-5.4	4.1	1.4	1.4	46.1
-600	400	57213.9	-5.4	-4.9	3.9	0.4	1.5	44.7
-600	412.5	57214.7	-3	-3.2	3.8	0.8	1.4	43.9
-600	425	57211.8	1.4	-3.4	3.7	1.1	1.5	43.3
-600	437.5	57212.9	4.2	-4.1	3.6	2	1.2	42.9
-600	450	57207.9	7.3	-4.1	3.6	2.6	0.2	43.2
-600	462.5	57217.9	11.9	-1.8	3.6	4	0	43.5
-600	475	57217.5	14.2	2.5	3.6	4.7	0	43.6
-600	487.5	57207.8	18.2	3	3.7	8	0.7	44.4
-600	500	57276.5	-20	-2.3	3.8	-9.1	0.1	45.3
line -500								
-500	-500	57277.3	-6.1	1.1	6.9	-7.4	4.7	43.5
-500	-487.5	57288.5	-9.7	-0.5	6.6	-10.2	4.2	42.7
-500	-475	57302.4	-12.5	-2.8	6.2	-13.2	4.2	41.7
-500	-462.5	57314.8	-9.8	-3.4	5.6	-13.1	2.4	40.1
-500	-450	57298.9	-6.1	-6.7	5.4	-14.9	-0.6	39.6
-500	-437.5	57294.7	1.6	-7.2	5	-18.2	-5.7	38
-500	-425	57336.3	12.1	-4.2	4.9	-16.2	-7.6	36.7
-500	-412.5	57277.4	21.5	-1.6	5.5	-2.8	-5.4	35.5
-500	-400	57293.4	19.4	-2.1	5.5	3.1	-2.5	36
-500	-387.5	57419	23.5	1.6	5.5	10.6	-0.7	36.3
-500	-375	57181.2	27.8	6	5.7	21.3	4.7	39
-500	-362.5	57187.4	26.6	3.7	6.3	19.7	2.6	43.1
-500	-350	57187.6	18.8	1.7	6.5	13.8	0	43
-500	-337.5	57211.8	14.9	1.9	6.3	9.7	-0.8	42.8
-500	-325	57210.1	14.3	4.1	6.2	10.2	0.2	42.8
-500	-312.5	57208.1	14.7	6.9	6.3	11.6	1.2	42.8
-500	-300	57211.6	16	9	6.3	13.1	2.9	42.5
-500	-287.5	57212	15.9	11.1	6.4	13.8	2	43.4
-500	-275	57225.9	14	11.8	6.4	14.2	2.7	43.8
-500	-262.5	57227.4	11.1	14.6	6.3	14.1	2.3	43.6
-500	-250	57231.2	12.7	19	6.2	17.1	3.6	43.1
-500	-237.5	57220.2	16.2	23.5	6.3	20.5	6.5	43.2
-500	-225	57213.4	19.1	25.8	6.4	21.4	6.5	44
-500	-225	57213.8	18.9	26.6	6.4	22	5	43.3
-500	-200	57222.7	17.4	16.4	6.5	16.1	6.8	45.7
-500	-187.5	57230.4	17.4	15.8	6.5	16.3	8.2	45.8
-500	-175	57224.8	19.1	16.7	6.6	16	8.4	46.2
-500	-162.5	57223.7	16.9	10.5	6.8	13	6.1	47.5
-500	-150	57222.8	14.5	6.6	6.7	9.3	4.5	47.9
-500	-137.5	57222.5	14.3	4.7	6.6	8.7	4.3	47.9
-500	-125	57222.5	14.1	4.3	6.4	8	3.7	47.8
-500	-112.5	57215.5	15.2	4.6	6.4	7.2	4.4	48.1

-500	-100	57219.5	15.8	4.7	6.4	7.4	4.4	48
-500	-87.5	57218.5	17.2	4.6	6.3	7.5	4.9	48.1
-500	-75	57216.1	19.1	6.7	6.3	7.8	5.2	48.3
-500	-62.5	57219.6	21.6	8.1	6.3	8.7	6.9	48.5
-500	-50	57221	21.8	7.2	6.5	8.2	6.5	49
-500	-37.5	57224.1	21.6	4.8	6.6	7.9	5.3	49.4
-500	-25	57221.9	19.9	2.5	6.7	7.3	4.5	49.4
-500	-12.5	57226.3	18.6	-1.2	6.6	6.6	2.7	49.7
-500	0	57226	18.2	-3.4	6.6	5.6	2.4	49.1
-500	12.5	57214.6	20.3	-1.6	6.6	6.1	2.2	49.7
-500	25	57222.8	22.3	0	6.6	7.4	3.1	49.8
-500	37.5	57249	21.3	-3	6.8	5.1	-0.5	50.7
-500	50	57211.8	21.4	-4.4	6.7	2.7	-4.6	50.8
-500	62.5	57229.6	21.8	-4.4	6.9	5.5	-2.2	50.4
-500	75	57224.4	19.9	-6.4	6.9	7.5	-0.3	50
-500	87.5	57216.4	20.3	-6.3	6.9	8.4	0.2	50.6
-500	100	57215	21	-5.9	7	9.6	0.9	51
-500	112.5	57221.6	20.1	-6.1	7.1	9.8	0	50.8
-500	125	57227.2	20.1	-6.1	7.1	9.9	0	50.9
-500	137.5	57215.3	19	-6.9	7.3	11.2	1.2	50.8
-500	150	57229.6	16.9	-7.9	7.4	11.6	2.2	51.6
-500	162.5	57245.1	15.2	-9.2	7.4	10.9	2.1	52.2
-500	175	57211.2	14.4	-11	7.3	10	1.7	51.7
-500	187.5	57227.1	15.6	-10.2	7.2	10.1	0.8	52.7
-500	200	57221.7	17.5	-9.9	7.2	9.1	-0.7	52.3
-500	212.5	57221.4	18.5	-8.6	7.3	7.7	-1.8	52.1
-500	225	57215.8	19	-8.1	7.4	8	-1.7	52.1
-500	237.5	57217.8	17.8	-7.3	7.7	8.3	-1.1	52.3
-500	250	57231.4	17.7	-7.1	8	7.9	-2.1	53
-500	262.5	57216.4	10.8	-7.7	8.2	6.6	-1.2	53.6
-500	275	57218.2	7.2	-7.9	8.2	5.8	-0.1	54.2
-500	287.5	57220.9	0.6	-7.6	8.2	3.1	0	54.5
-500	300	57219.5	-2.7	-8	7.8	1.3	0.2	54.3
-500	312.5	57218.6	-1.4	-5.3	7.6	1.1	0.8	54.1
-500	325	57219.5	-3.5	-3.7	7.6	-0.2	1.4	54.9
-500	337.5	57237.4	-7.6	-5	7.1	-3.9	1.1	54.3
-500	350	57219.4	-4	-1	6.9	-2.3	1.5	53.7
-500	362.5	57216.5	-3.8	3.2	6.9	-0.9	1.6	53.7
-500	375	57215.7	-2.4	5.5	6.7	0.2	2	53.8
-500	387.5	57215.1	2.6	7	6.7	1.8	2	54.7
-500	400	57216.1	2.5	5.2	6.8	1	2.6	55.1
-500	412.5	57218	-0.5	3.1	6.7	-1.1	2.1	54.6
-500	425	57217.9	0.9	1.9	6.5	-1.4	1.5	53.6
-500	437.5	57218.2	5	2.2	6.4	-0.2	0.8	53.2
-500	450	57213.7	-1.4	-3.1	6.5	2.4	2.4	53.2
-500	462.5	57239.4	-1.5	-3.8	6	6.3	3.1	52
-500	475	57218.1	1.8	-1.9	5.9	7	2.7	51.2
-500	487.5	57214.8	5.4	-2.3	5.8	8.4	2.3	50.2
-500	500	57212.9	9.6	-0.8	5.8	9.2	1.3	49.8
line -400								
-400	-500	57216.9	-11.1	2.4	6.2	2.7	-0.7	38.6
-400	-487.5	57194.6	-10.8	1.8	6	4.2	-1.3	38.7
-400	-475	57177.9	-6.1	1.4	5.6	7.4	-1.3	39.2
-400	-462.5	57168.5	-2.9	1	5.6	9.3	-1.6	39.7
-400	-450	57170.9	-1.4	0.2	5.5	9.4	-1.9	40.7
-400	-437.5	57172.6	0.3	-1.3	5.4	9.7	-2.2	41.4
-400	-425	57177	2.6	-2.2	5.3	10.1	-2.7	42.3
-400	-412.5	57179.3	6.4	-4	5.1	9	-3.9	43.1
-400	-400	57176.6	10	-4.9	5.1	9.1	-4.2	41.6
-400	-387.5	57183.4	19	-3	5.3	9.7	-5.8	43.1

-400	-375	57184.9	16.6	-3.1	5.8	5.2	-6.8	42.1
-400	-362.5	57197.2	12.5	-0.9	5.8	3.3	-4.1	40.6
-400	-350	57218.7	10	-1.3	5.6	3.3	-2.5	40.4
-400	-337.5	57218.4	11.7	0.3	5.6	4	-2.1	40.6
-400	-325	57209.5	14.4	2	5.4	4.1	-1.8	40.2
-400	-312.5	57203.9	17	3.3	5.4	3.9	-2	40
-400	-300	57218.4	20	5.4	5.4	5.4	-2.5	39.5
-400	-287.5	57213.1	24	8.3	5.6	6.7	-3.3	38.9
-400	-275	57205.2	23.8	11.8	6	10.1	-0.5	39.1
-400	-262.5	57197.8	20.4	10.7	6.1	10	0.1	39.8
-400	-250	57193.1	20.4	15.6	6.1	11	1.2	40.5
-400	-237.5	57202.6	23.7	20.7	6.2	12.9	0.3	40.6
-400	-225	57226.9	23.5	20.5	6.5	15.6	1.7	41.6
-400	-212.5	57212.3	22.2	20.8	6.7	18.3	4	42.7
-400	-200	57206.2	20.9	21.1	6.8	21	7	43.4
-400	-187.5	57214.5	21.8	20.5	6.9	21.3	6.5	44.6
-400	-175	57219.1	20	18.4	7.1	18.4	5.9	46
-400	-162.5	57217.2	18.2	16.7	7.1	15.6	4.1	46.5
-400	-150	57233.2	17.2	13.8	7.3	10.8	1.7	46.7
-400	-137.5	57229.1	11.9	7.1	7.2	7	0	45.3
-400	-125	57233.7	9.2	4.4	6.9	5	-0.4	44
-400	-112.5	57235.2	8.1	3.6	6.8	4.6	-0.6	43.7
-400	-100	57238.3	7.5	1.7	6.6	3.6	-1.3	43.1
-400	-87.5	57240.8	7.9	1	6.4	3.2	-1.4	42.8
-400	-75	57242.6	8.5	1.6	6.4	4.1	-1.1	42.2
-400	-62.5	57239.4	10.7	2.9	6.3	4.4	-1.9	42.2
-400	-50	57245.9	13.8	4.8	6.3	4.8	-2.5	42.1
-400	-37.5	57280.4	18	7.7	6.4	5.6	-3.4	42
-400	-25	57346.8	18.8	5.7	6.8	5.3	-3.9	41.7
-400	-12.5	57299.4	9.4	-2.7	6.9	3.6	-2.1	41.3
-400	0	57264.9	6.1	-7.3	6.6	2.3	-4.1	41.2
-400	12.5	57222.4	8.5	-6.6	6.4	3.9	-3.4	41.2
-400	25	57229.7	10.9	-4.9	6.4	5.3	-2.7	41.3
-400	37.5	57230.1	10.4	-7.1	6.4	4.9	-3.9	41.9
-400	50	57224.8	12.2	-8	6.2	5.1	-4.1	41.5
-400	62.5	57209.5	15.1	-5.8	6.2	6.2	-3.6	42.1
-400	75	57219.1	17.6	-4.3	6.2	6.5	-3.5	42.2
-400	87.5	57222.6	18.5	-3.7	6.3	6.2	-4.4	42.1
-400	100	57218	20.3	-2.5	6.4	7.6	-3.7	42.2
-400	112.5	57224.2	21.2	-2.6	6.6	7.9	-3.7	42.5
-400	125	57224	21.7	-2.3	6.7	7.8	-4.6	43.2
-400	137.5	57230.2	21.4	-3.5	6.8	7.4	-5.4	42.8
-400	150	57215.2	21.2	-3.7	6.9	7.9	-5	43.6
-400	162.5	57218.7	20.8	-4.5	7.1	7.5	-5.1	43.4
-400	175	57224.7	17.2	-7.7	7.1	7.1	-5.8	43.8
-400	187.5	57223.3	17.6	-7.7	7.1	7.6	-5.8	44.6
-400	200	57227.4	15.2	-8.1	7.1	8	-4.5	44.3
-400	212.5	57221.3	13.4	-9.9	7.1	9.2	-3.8	44.7
-400	225	57219.9	12.3	-12.4	7	10	-3.2	45.3
-400	237.5	57228.2	12.6	-12	7	10	-1.5	46
-400	250	57226.9	14.2	-12.3	7	8.7	-3	46.6
-400	262.5	57229.3	14.7	-11.5	7.1	7.1	-5.5	46.4
-400	275	57225.3	15	-10.8	7.2	5.8	-7.3	46.8
-400	287.5	57233.6	13.7	-11	7.4	3.8	-8.4	46.5
-400	300	57221.6	9.3	-12.3	7.5	1.1	-9.1	46.2
-400	312.5	57220.9	6.7	-12.2	7.4	-0.9	-8.7	45.6
-400	325	57220.8	4.8	-10	7.2	-2	-8.3	44.9
-400	337.5	57222.5	2.5	-8.6	7.2	-1.7	-7.7	44
-400	350	57222	-1.4	-7.6	6.9	-0.5	-5.8	43.8
-400	362.5	57223.8	-1.3	-5.7	6.6	1.5	-3.4	43.4

-400	375	57220.3	-0.2	-4	6.4	2.8	-2.7	43.4
-400	387.5	57219.8	3	-1.2	6.5	2.4	-3.1	43.1
-400	400	57222.5	0.8	-3.3	6.4	1	-3	42
-400	412.5	57224.3	-3.4	-4.3	6.3	0.5	-3.6	40.8
-400	425	57222.6	-3.3	-2.4	6.1	2.3	-2.8	39.7
-400	437.5	57222.7	-2.6	-2	5.8	2.6	-3.7	39.4
-400	450	57251.7	1.7	0.6	5.5	5.6	-4.5	39.1
-400	462.5	57245.8	1.6	-0.4	5.4	9	-2.6	39.2
-400	475	57297.7	9.6	4.1	5.3	14.5	-1.1	39
-400	487.5	57284.6	14.9	6.2	5.3	18.5	-0.8	39.6
-400	500	57210.7	20.8	7.7	5.5	23	0.7	42.2
line -300								
-300	-137.5	57226.9	17.4	11.7	4.7	12.2	3.7	38.9
-300	-125	57228.4	18	12.4	4.5	12.2	2.5	39.1
-300	-112.5	57224.8	17.4	11	4.5	12.2	2.1	39.3
-300	-100	57233.9	17.1	10.6	4.6	12.3	1.4	39.9
-300	-87.5	57225.2	17.9	9.2	4.6	11.2	-0.7	40.3
-300	-75	57219.4	13.8	5.5	4.7	10.1	-1.7	40
-300	-62.5	57222.6	11.5	1.7	4.7	9.5	-2	39.7
-300	-50	57225.3	10.9	0.4	4.6	10	-1.5	39.6
-300	-37.5	57222.5	10.7	0	4.4	10.4	-1.9	39.3
-300	-25	57225.7	11.1	1.2	4.5	11	-1.2	39.5
-300	-12.5	57244.2	12.1	-0.3	4.4	11.3	-1.6	39.8
-300	0	57231.6	15.7	0.8	4.5	10.6	-3.5	40.1
-300	12.5	57223.3	18.5	2.4	4.5	11.5	-4.3	39.8
-300	25	57234.5	22.6	5.6	4.5	12.4	-6.6	40.1
-300	37.5	57238.7	24.4	4.8	4.9	12.1	-7.5	40.1
-300	50	57223.6	3.5	-10.7	5.1	11.2	-4.3	40.2
-300	62.5	57239.4	9.2	-9.4	4.7	10.9	-5.8	41.2
-300	75	57242	13.2	-9.2	4.6	8.4	-8.9	41.6
-300	87.5	57281.1	18.2	-7	4.7	8.6	-11.6	41.5
-300	100	57357.6	18.6	-5.2	4.7	10	-9.9	40.9
-300	112.5	57254.7	19.6	-5.6	4.7	11	-8.5	40.7
-300	125	57229.9	21.4	-3.9	4.9	11.8	-7.4	41.6
-300	137.5	57226.7	22.1	-4.1	5	12.1	-8.1	41.6
-300	150	57225.5	22.4	-3.7	5.1	11.5	-8.2	41.7
-300	162.5	57232.2	22.8	-3.9	5.2	11.5	-8.2	41.8
-300	175	57227.6	22.8	-4.2	5.2	11.6	-8.1	42.2
-300	187.5	57233.5	23.3	-3.1	5.4	11.5	-8.2	42.1
-300	200	57225	23	-2.9	5.6	11.4	-8.2	42.3
-300	212.5	57221.2	21.3	-5.2	5.8	10.8	-9.4	42.9
-300	225	57226.1	18.8	-7.8	5.8	10.4	-10.5	42.8
-300	237.5	57225.3	15.3	-10.2	5.8	9.2	-10.5	43.3
-300	250	57220.1	15.2	-12	5.8	8.2	-11.7	42.6
-300	262.5	57222.4	15	-13	5.8	8.6	-11.4	42.7
-300	275	57224.1	17	-12.2	5.8	9.1	-10.8	42.5
-300	287.5	57222.7	17.9	-11.7	5.8	10.1	-10.3	42.6
-300	300	57223.6	19.3	-11	5.7	10	-10	43.1
-300	312.5	57221.8	21.1	-7.9	5.9	11.2	-8.3	43.7
-300	325	57223.1	21.1	-6.4	6	11.8	-7.2	44
-300	337.5	57225.3	22.6	-2.1	6.5	13.5	-4.7	45.1
-300	350	57223	14.5	-2.9	6.7	9.2	-3.1	46.3
-300	362.5	57218.4	7	-2.9	6.3	5.4	-1.3	45.4
-300	375	57218.9	6	-1.1	6.1	6.2	0.2	44.6
-300	387.5	57219.2	5.9	1.5	5.9	7	2.4	45.3
-300	400	57219.6	5.9	2.5	5.8	6.4	2.5	46.1
-300	412.5	57242.7	7.2	1.9	5.5	8.4	4.1	44.6
-300	425	57262.4	10.7	3.8	5.3	13	6.1	45.8
-300	437.5	57228	14.9	5.5	5.4	16.1	6.6	46.4
-300	450	57216.4	15.6	3.9	5.5	16	5.5	47.4

-300	462.5	57258.6	15.4	3.9	5.7	15.8	3.8	47.9
-300	475	57261.9	14.8	3.7	5.8	14.9	3.2	48.6
-300	487.5	57251.2	11.7	4.4	5.9	13.1	4.6	49.4
-300	500	57260	8.7	5.8	6.2	8.8	6	50
line -200								
-200	-325	57208.2	30.6	5.6	3.9	-0.9	-6.5	30.6
-200	-312.5	57210.9	45.1	15.2	4.3	10.8	-5.2	30.7
-200	-300	57210.2	30.3	4.8	4.8	10.5	-2.1	32.4
-200	-287.5	57209.5	30.7	8.8	4.7	11.1	-1.3	33.3
-200	-275	57219.4	35	12.9	4.9	11.5	-3.4	34.4
-200	-262.5	57224.6	31.2	7.2	5.2	10.8	-3.8	35
-200	-250	57224.2	29.5	10.4	5.3	11.6	-2	35.7
-200	-237.5	57220.5	28.8	11.7	5.5	13.1	-1.8	36
-200	-225	57223.5	26.5	9.9	5.6	13.1	-0.1	36.8
-200	-212.5	57237.3	23.3	10.6	5.6	13	0.4	36.6
-200	-200	57234.3	20	8.7	5.6	10.7	-1.5	36.8
-200	-187.5	57247.7	19.6	10.9	5.4	10	-1.5	36.6
-200	-175	57229.6	22.2	15.3	5.5	10.4	1.7	36.7
-200	-162.5	57239.1	21.8	16.4	5.6	10.5	1.4	37
-200	-150	57221.7	23.2	18	5.6	10.4	-0.8	36.5
-200	-137.5	57224.3	23.8	15.3	5.8	12	0.1	36.2
-200	-125	57227.8	22.4	13.9	5.9	13	1.9	36.5
-200	-112.5	57229	21.7	14.2	5.9	13.7	1.7	36.8
-200	-100	57231.3	20.2	10.9	6	14	1.6	36.7
-200	-87.5	57226.7	18.1	8.7	6.1	12.6	1.2	37.6
-200	-75	57229	15.6	7	6	12.1	1.2	37.4
-200	-62.5	57226.6	14.9	7.5	6	11.9	0.4	37.6
-200	-50	57230.5	15.3	6.1	6	12	0	37.5
-200	-37.5	57228.8	11.5	3.7	6	10.7	-1.2	38.2
-200	-25	57224.4	11.5	3.5	5.8	9.9	-3.1	38.3
-200	-12.5	57239	11.7	3	5.7	9.8	-4.6	38.5
-200	0	57227.3	12.9	3	5.7	9.7	-5.4	38.9
-200	12.5	57231.6	14.9	4.5	5.7	10.5	-7.1	38.2
-200	25	57237.1	15.1	3.4	5.9	11.6	-7.3	38.5
-200	37.5	57219.5	13.3	1.2	5.8	10.9	-9.1	38.4
-200	50	57235	10.7	-2.4	5.8	11.1	-8.3	38.3
-200	62.5	57233.9	9.8	-5.5	5.7	11.1	-9.3	38.1
-200	75	57226.2	10.8	-4.7	5.7	12.3	-8.7	38.2
-200	87.5	57234.6	11.1	-5.7	5.6	13.5	-8.1	38.5
-200	100	57230.4	10.5	-7.3	5.5	12.6	-8.9	38.5
-200	112.5	57227.7	11.6	-7.4	5.4	14.1	-8.7	38.9
-200	125	57226.5	12.1	-6.7	5.4	14.5	-7.9	39
-200	137.5	57223.8	15	-5.1	5.4	15.7	-7.5	39
-200	150	57228.8	16.1	-5.5	5.4	15.7	-6.3	39.8
-200	162.5	57227.5	17	-3.3	5.5	15.6	-4.9	40.6
-200	175	57246.4	16.6	-2.8	5.5	14.5	-5.3	40.9
-200	187.5	57235.8	16.5	-2	5.6	13.6	-4.6	41.8
-200	200	57252.3	14.8	-1.6	5.7	11.3	-6	41.8
-200	212.5	57277.6	13.5	-2.6	5.7	10.8	-6.6	41.8
-200	225	57277.8	12.2	-3.9	5.7	9.6	-7.6	41.3
-200	237.5	57266.2	11.5	-5.5	5.7	9.4	-7.9	40.5
-200	250	57234.7	10.3	-5.4	5.6	10.1	-5.8	40.9
-200	262.5	57214.5	10	-3.8	5.5	9.9	-3.9	40.9
-200	275	57212.5	9.7	-2.4	5.5	9.1	-3.2	40.5
-200	287.5	57206.3	11	-1.9	5.4	10.2	1.1	40.7
-200	300	57214.9	13.3	1.1	5.5	9.7	2.3	41.4
-200	312.5	57221.7	13.4	2.4	5.5	7.2	-0.5	41.3
-200	325	57224.9	14.1	3.5	5.6	7.1	1.2	40.7
-200	337.5	57229.5	13.9	5.5	5.6	6.3	4.5	40.8
-200	350	57228.6	13.8	5	5.7	7.4	5.3	40.8

-200	362.5	57229.7	11.5	6.2	5.7	2.6	6.2	41.9
-200	375	57242.1	9.2	5.6	5.7	-0.2	6.2	40.7
-200	387.5	57259	6.6	5.9	5.6	-6.1	3.5	40
-200	400	57266	6.1	5	5.6	-7.9	4.4	39.1
-200	412.5	57255.6	6.1	5	5.4	-9.1	3.6	38.6
-200	425	57245.7	7.8	6	5.3	-9.6	3	38.5
-200	437.5	57237.3	9.2	4.2	5.4	-8.3	5.3	37.9
-200	450	57239.8	7.2	1.7	5.3	-8.4	5.3	38.1
-200	462.5	57213.9	7.8	-0.4	5	-9.6	3.9	37.9
-200	475	57213.6	13.2	1.9	4.9	-7.7	3.6	37.9
-200	487.5	57228.3	18.3	4	5.1	-5.2	3.5	38.3
-200	500	57238.7	18.7	4.2	5.3	-3.1	3.3	38.9
line -100								
-100	-325	57231.8	5.7	-1.9	4.3	4.2	-2.7	32.9
-100	-312.5	57224.4	14.5	4.2	4.2	6.5	-3.5	33.1
-100	-300	57226.7	26.1	14.6	4.6	9.2	-5.6	33.6
-100	-287.5	57222.7	26	6.6	5.7	10.8	-5.4	34.4
-100	-275	57228.8	14.3	-0.5	5.4	9.7	-4.9	35
-100	-262.5	57227.4	16.1	0.6	5.3	10.7	-4.2	35.7
-100	-250	57224.6	18.7	2.4	5.2	12	-4.4	35.9
-100	-237.5	57237.1	25	4.9	5.3	14.2	-4.2	36.3
-100	-225	57231.4	24.3	4.6	5.6	13.4	-4.5	36.4
-100	-212.5	57225.1	25.3	8.6	5.6	13.2	-4.3	36
-100	-200	57218.4	26.3	8.4	5.9	14.3	-3.8	35.8
-100	-187.5	57222.9	26.1	8.4	6	15.1	-1.4	35.7
-100	-175	57232.2	25.8	10	6.1	17.3	4.6	36.9
-100	-162.5	57226	22.6	9.9	6.4	15.6	4.6	39.3
-100	-150	57230.5	18.8	7.5	6.2	13.5	3.4	39.5
-100	-137.5	57229.9	18.1	10.1	6.2	13	2.1	39.7
-100	-125	57237.6	16.2	10.7	6.2	11.2	1	40
-100	-112.5	57227.3	18.4	11.6	6.2	8.8	-0.8	39.9
-100	-100	57233.7	17.3	10.2	6.3	7.3	-2.2	39.8
-100	-87.5	57233.4	15.1	8.7	6.4	6.5	-3.2	39.5
-100	-75	57234.3	11.4	5.1	6.6	5.3	-4.5	39.3
-100	-62.5	57231.3	8.7	1.9	6.4	4.2	-6.2	38.9
-100	-50	57221.6	8.5	2	6.1	5.5	-6.3	38.2
-100	-37.5	57224.1	11.2	2	6.2	8.3	-5.3	38.2
-100	-25	57236.1	13.3	3.2	6.1	10.1	-4.6	38.4
-100	-12.5	57233.6	11.1	1.7	6.2	11.5	-4.4	38.5
-100	0	57235.9	12.1	0	6.2	12.9	-3.8	39
-100	12.5	57244.9	15.1	0.6	6.2	14	-3.5	40.4
-100	25	57238.3	15	-2.9	6.2	15	-3.1	41.5
-100	37.5	57242.7	12.6	-3.2	6.2	13.5	-3.6	42.3
-100	50	57240.3	11.8	-4.7	6.1	12.6	-4.8	42.5
-100	62.5	57233.1	12.1	-6.1	6.1	13.1	-5.5	42.1
-100	75	57232.1	15.5	-6.4	6.1	15.1	-5.3	42.3
-100	87.5	57235.5	15.3	-5.8	6.2	15.9	-5.6	42.7
-100	100	57243.5	15.1	-5.7	6.3	15.5	-5.8	43.8
-100	112.5	57242.1	16.3	-6.8	6.3	14.7	-6.3	44.7
-100	125	57246.2	12.2	-5.8	6.4	12.4	-6	45.8
-100	137.5	57246.4	10.3	-4.1	6.3	9.3	-6.8	45.7
-100	150	57251.4	12.2	-2	6.3	7.4	-6.1	44.8
-100	162.5	57264	11.3	-0.2	6.5	6.1	-6.1	45.2
-100	175	57235.1	5.4	-3.9	6.6	1	-7.7	45.1
-100	187.5	57227.9	5.1	-3.1	6.2	-1.5	-7.6	44.1
-100	200	57243.2	11.3	3.8	6.2	0	-6.1	43
-100	212.5	57241.2	8.7	-2.3	6.8	0	-5.5	43.3
-100	225	57220.8	-2.7	-6.4	6.5	-2	-3.5	43.3
-100	237.5	57228.6	-2.2	-2.9	6.1	-1	-3.3	43.3
-100	250	57227.7	0.9	0.2	5.7	1.5	-2.3	43.7

-100	262.5	57226.6	5.3	1.4	5.7	3	-2	43.1
-100	275	57217.6	9.9	3.6	5.8	4.1	-1.8	42.4
-100	287.5	57216.3	14.6	7.5	6	6	-0.7	42.5
-100	300	57228.1	0.4	1.9	6.9	-2.9	0.7	43
-100	312.5	57230.2	-2.3	-4.5	5.5	-5	0.4	40.6
-100	325	57230.6	10.1	4.9	5.4	2.7	1	40.2
-100	337.5	57225.1	17.1	5.9	5.7	6.1	0.7	41.1
-100	350	57257.5	17.2	5.1	6.8	9.3	1.9	40.9
-100	362.5	57276.3	2.5	-5.5	5.9	11.2	3	41.5
-100	375	57226.8	11.4	0.4	5.6	14.2	1.9	41.8
-100	387.5	57201.9	13.4	0.4	5.8	16.4	0	42.6
-100	400	57226.3	14.8	5.3	6.2	21.7	-0.7	42.8
-100	412.5	57235.1	11.3	1.7	6.1	26.1	0.8	42.2
-100	425	57245.6	13.2	2	6.1	27.4	-0.2	43.4
-100	437.5	57231.1	14.1	2.6	6.6	22.9	-2.2	44.4
-100	450	57228.9	0.7	3	6.8	13.3	3.6	44.6
-100	462.5	57230.7	-5.4	-1.3	5.9	11.7	5	43.7
-100	475	57230.2	-2.2	-1.7	5.4	10.2	4.2	44.1
-100	487.5	57269.3	6.9	2.6	5.1	8.5	2.5	42.3
-100	500	57223.2	12.5	4.8	5.2	9.6	1.6	42.1
line -50								
-50	-100	57227.7	20.5	7.1	5.7	12.5	1.2	43.85
-50	-87.5	57229.5	19	5.2	5.7	10.9	0.9	44.22
-50	-75	57241	20.3	5	5.8	10.9	1.1	44.33
-50	-62.5	57241.5	20.4	4.2	5.8	11.2	0	44.18
-50	-50	57248.9	20.5	3.5	5.7	12.2	-0.7	43.92
-50	-37.5	57248.8	22.3	3.5	5.6	13.2	0	44.48
-50	-25	57255.2	24.3	3.1	5.7	14.3	0.8	45.46
-50	-12.5	57263.1	25.7	3.8	5.8	14.1	0.4	46.15
-50	0	57254.4	24.1	1.4	6	12.8	-0.3	47
-50	12.5	57263.5	20.6	-1.1	6.1	11.6	-1.9	47.12
-50	25	57238.9	19.8	-3.8	5.9	10.1	-3	46.39
-50	37.5	57251.8	22.4	-4.5	5.9	10.8	-3.4	45.58
-50	50	57251	27.1	-5.6	6	13.5	-3.2	45.6
-50	62.5	57250.2	25.6	-5.6	6.5	13.3	-3.4	48.4
-50	75	57251.8	16.6	-7.1	6.6	6.5	-5.1	49.2
-50	87.5	57240.9	12.2	-5.1	6.4	3.6	-4.7	48.1
-50	100	57208.2	11.5	-4.3	5.9	2.7	-2.3	46.3
line 0								
0	-350	57220.7	12.7	-2.3	4.8	1.9	-3.8	37.5
0	-337.5	57229.6	15.1	-5.1	4.7	5.9	-1.8	37.4
0	-325	57242.2	18	-0.6	4.7	7.6	-1.8	37.8
0	-312.5	57259.8	19.8	0.1	4.8	11.2	-2.7	37.3
0	-300	57254.3	20.9	1	4.8	13	-2.7	37.5
0	-287.5	57221	23.4	3.8	4.7	16.6	-2.7	37.8
0	-275	57222.1	29.1	5.4	4.8	21	-1.5	38.7
0	-262.5	57246.2	32.1	3.9	5.1	22.2	-1.3	40.4
0	-250	57231.5	29.5	2.5	5.2	20.4	-2.6	41
0	-237.5	57232.4	30.5	1.7	5.1	19.9	-1.8	41.6
0	-225	57234.6	34.1	4.6	5.2	21	-2.4	42.1
0	-212.5	57231.7	33.5	3.6	5.6	20.9	-1.9	41.6
0	-200	57237.2	33.4	3.3	5.6	21.3	-1.8	42.6
0	-187.5	57233.6	34.1	4.5	5.7	21.6	-0.6	43.1
0	-175	57226.3	30.6	3	6	20.8	-0.1	44.1
0	-162.5	57230.3	28.6	4.3	6	18	0	45.9
0	-150	57248	25	5.1	6.2	15.2	0.9	46
0	-137.5	57227.4	20.5	2.3	6.2	12.1	-1.4	45.7
0	-125	57215.6	18.2	2.1	6.1	10.1	-0.9	46
0	-112.5	57217.7	17.9	4.7	5.9	11.4	1.9	46.8
0	-100	57239.2	17.4	5.9	5.8	10.4	3.7	48

0	-87.5	57235.1	17.3	4.7	5.7	8.5	1.8	48
0	-75	57244.1	17.1	6	5.6	7.5	1.4	47.7
0	-62.5	57249.9	18.1	5.5	5.6	7.8	1.8	47.5
0	-50	57235.4	19.7	6.7	5.6	7.6	1.7	47.8
0	-37.5	57249.3	19.9	4.4	5.6	6.5	1.3	48.4
0	-25	57191	21.2	5	5.5	6.1	1.6	49.4
0	-12.5	57181.5	16.9	0.5	5.7	-1.8	-3.4	50.5
0	0	57218.7	20.7	4.3	5.7	2.3	-0.6	43.5
0	12.5	57236.2	23.3	2.6	5.9	4.6	0.1	43.1
0	25	57247	22.9	-2.2	5.8	8.1	-0.6	42.3
0	37.5	57255.6	24.5	-3.9	5.9	11	-0.6	42.7
0	50	57259.3	29.5	-4.9	6.1	14.5	-1	42.8
0	62.5	57218.7	29.6	-1.4	7.1	16.8	0.8	45.6
0	75	57225.2	13.8	-6.6	7.2	7.6	-1.5	46.4
0	87.5	57234.2	9	-2.7	6.7	5	0.8	45.4
0	100	57235.2	7.3	-2	6.3	4.8	2	45
0	112.5	57233.4	10.4	2.7	6.2	7.3	5.2	45.9
0	125	57234.7	5.7	-5	6.2	5.7	0.1	49.4
0	137.5	57235.5	8.2	-2.9	6	4	-1.1	48.5
0	150	57238.1	10.8	-1.5	6	3.6	-1.8	47.3
0	162.5	57237	11.9	-3.1	6	3.3	-2.1	46
0	175	57238.5	11.5	-2.9	5.9	3.5	-1.8	44.4
0	187.5	57234.2	13.2	-2.2	5.8	6.3	-0.5	42.5
0	200	57236.3	16.4	-3.7	5.7	9.8	0	41.7
0	212.5	57233.7	23.4	0	5.6	16	1.2	41.1
0	225	57247.3	35	5.6	6	23.9	2.9	41.1
0	237.5	57245.9	18.2	-8	7.7	18	0.4	44
0	250	57273.3	7.2	-8.4	7	10.6	0.8	44
0	262.5	57274.1	7.9	-2.8	6.2	10.3	2.2	44
0	275	57234.1	12.8	2.8	5.9	11.2	4	44.7
0	287.5	57227.8	25	9.3	6.2	14.3	5.2	45.5
0	300	57236.8	14.7	1.7	6.7	10.2	2	46.6
0	312.5	57232.1	6.2	-6.9	6.2	5.6	1.5	46.3
0	325	57231.9	14.4	-2.5	6	7.5	1.9	46.1
0	337.5	57240	17.1	4	6.6	8.9	3	46.5
0	350	57243.2	4.2	-1.9	6.8	5.9	2.7	46.7
0	362.5	57241.1	4.3	-3.4	5.8	6.3	2.7	46.2
0	375	57242.6	16.4	5.4	5.7	8.7	1.5	45.9
0	387.5	57241.3	18.2	5.4	6.5	10	1.5	45.6
0	400	57238.9	7.8	-8.7	6.2	7.3	-2.4	45.6
0	412.5	57236.6	12.9	-4.5	6	9.2	-0.4	45.2
0	425	57224.5	14.8	-1.9	6	8.7	-0.4	46.1
0	437.5	57226.4	15.2	-0.2	5.9	6.9	-0.5	46.4
0	450	57226.1	19.1	0.7	5.9	5.5	-1.4	46.6
0	462.5	57224.5	21.1	3.9	6	5.8	-2.3	46.3
0	475	57233.7	20.1	7	6.3	7.3	-2.5	46
0	487.5	57233	18.5	8.7	6.6	8.4	-3.2	46
0	500	57236.2	11.4	5.4	6.7	11	-0.3	46.2

line 50

50	-100	57224.4	14.2	1.9	6	13.7	6.7	45.1
50	-87.5	57222.4	13.9	1.6	5.9	12.3	6.2	46.1
50	-75	57258.4	11.7	3.5	5.9	7	2.3	46.5
50	-62.5	57244.6	11.6	3.5	5.7	3.2	1.8	45.4
50	-50	57260.2	12.9	4.7	5.6	3.7	2.3	45.1
50	-37.5	57251.1	12.3	5.7	5.5	1.9	0.7	44.6
50	-25	57222.5	13.7	3.6	5.5	1	0.6	44
50	-12.5	57240.5	16.1	2.9	5.4	4	1	43.5
50	0	57241.4	19.3	2.2	5.3	4.9	1.5	43.3
50	12.5	57239.8	22.8	3.7	5.3	6	1.6	43.2
50	25	57235.9	26.7	4.8	5.5	8	2.5	43.7

50	37.5	57233.4	29.5	3.1	5.7	11.2	3	44
50	50	57231.4	32.6	3.8	6.1	14.3	3.7	44.7
50	62.5	57254.2	23.2	-1.6	7.1	14.4	2.9	46.3
50	75	57250.9	13.5	-4.4	7.3	9.9	2.8	46.4
50	87.5	57234.6	8.1	-2.5	6.5	7.9	3.1	45.3
50	100	57238.5	9.5	2.5	6.3	9.7	5.6	45.6
line 100								
100	-350	57250	12.6	-2.2	4.8	8.5	0.1	37.6
100	-337.5	57257.8	16.1	-0.3	4.8	11.1	2.1	36.8
100	-325	57259.2	20	3.6	4.9	16.5	5.9	37.2
100	-312.5	57255.1	25.5	7.1	5	23.1	8.1	38.4
100	-300	57255.2	25.4	8.7	5.2	26.6	10.3	41
100	-287.5	57236.4	27	8.2	5.3	28.2	10	44.3
100	-275	57243.6	26.4	8.1	5.5	27.7	8	46.1
100	-262.5	57255.8	21	3.7	5.5	26.4	7.1	47.8
100	-250	57248.6	19.4	2.3	5.4	24.4	5.8	48.6
100	-237.5	57254.6	19.4	2.2	5.4	23.6	5.5	48.6
100	-225	57248.9	21.1	3.5	5.5	21.8	3.2	49.6
100	-212.5	57255.8	20.6	2.9	5.5	19.3	2.6	49.6
100	-200	57266.3	20.4	3.5	5.7	17.6	1.6	50
100	-187.5	57266.6	19.5	4.3	5.7	15.8	2	48.8
100	-175	57264	18.6	3.7	5.8	14.4	2.4	48.5
100	-162.5	57256.4	15.5	3.5	5.9	12.9	4	48.7
100	-150	57263.7	14	3.5	6	11.8	3.8	47.8
100	-137.5	57267.5	12.7	2	5.9	11.4	4.1	46.7
100	-125	57273.5	12.2	2.2	5.8	10.9	3.2	45.7
100	-112.5	57258.1	11.5	1.4	5.8	11.8	3	44.8
100	-100	57247.6	11.1	1.5	5.8	13.5	3.5	44.2
100	-87.5	57251.5	8.3	1.4	5.9	12	3.2	44.4
100	-75	57256.4	7.2	0.8	5.8	10.1	2.9	43.9
100	-62.5	57227.2	6.9	1.1	5.6	10.1	3.7	43.2
100	-50	57243.8	6.8	3	5.6	9.2	4.5	43.3
100	-37.5	57245.5	7.7	1.4	5.5	7.7	3.8	43
100	-25	57237	9.8	5.3	5.3	7.3	4.4	42.8
100	-12.5	57240.7	12.4	5.5	5.4	7.2	4.6	43.3
100	0	57248.2	12.1	4.5	5.4	5.8	3.7	43.5
100	0	57245.6	13.8	4	5.3	14.6	6.3	43.4
100	12.5	57246.9	15	1.7	5.5	13.8	5.2	44.1
100	25	57248.1	15.2	0.8	5.4	11.2	3	44.7
100	37.5	57250.3	18.5	1.2	5.3	10.9	2.2	45.1
100	50	57252.3	22.9	1.9	5.4	10.8	1.2	45.7
100	62.5	57239.5	27.8	2.6	5.5	12.9	1.2	46
100	75	57250	31.8	4	6.1	14.5	0.7	46.5
100	87.5	57255.3	24.6	2.4	7.2	13.9	0.5	47.9
100	100	57251.2	5.2	-6.5	6.9	6.1	0.3	47.9
100	112.5	57289	1.9	-5.4	6.2	4.4	-0.2	46.7
100	125	57267.5	3.5	-2.5	5.8	4.6	-0.4	45.5
100	137.5	57296.4	7.5	1.5	5.7	7.2	0.5	45.7
100	150	57307	8	1.5	6	7.4	1.7	46.3
100	162.5	57259.6	6.2	-1.2	5.7	5.5	1	47.2
100	175	57249.3	9.7	2.4	5.5	6.6	2.1	48.1
100	187.5	57255.7	17	5.4	5.8	9	3.5	49.4
100	200	57240.9	6.6	-5.7	6.2	3.9	0	50.7
100	212.5	57242.9	1.7	-4.6	5.8	-0.2	-1.2	51.5
100	225	57235.9	1	-1	5.6	-2.2	-2.6	51.8
100	237.5	57245.2	1.7	-0.9	5.5	-2.4	0	51.6
100	250	57266.6	3.5	-0.2	5.5	-2.6	1.8	51
100	262.5	57276.7	5.8	0.6	5.4	-2.3	2.2	50.7
100	275	57224.5	5.6	0.7	5.3	-0.5	2.6	50.7
100	287.5	57222.3	6.4	0.6	5.1	2.4	3.8	50

100	300	57224.4	11	3.9	4.9	5.4	4.2	49.8
100	312.5	57220.2	16.7	5.1	5.1	7.6	3.4	49.2
100	325	57223.2	22.6	3.8	5.4	8.7	2.3	49.5
100	337.5	57220.6	14.7	-3.5	6.1	8.2	1.4	49.8
100	350	57222	7.9	-3.1	6	7.9	1.3	50.2
100	362.5	57221.2	2.5	-0.8	5.7	6.5	1.8	49.8
100	375	57228.3	5.8	-0.1	5.4	8.4	3	50.2
100	387.5	57228.8	5.6	-0.4	5.5	8.7	2	50.4
100	400	57225.4	2.9	-4.9	5.1	9.3	0.9	50.6
100	412.5	57226.2	9.5	0	5	10.1	0	50.5
100	425	57231.9	14.1	1.9	5.3	10.8	-1.1	51.2
100	437.5	57231.4	15.7	0.1	5.3	10.6	-2.7	52.2
100	450	57252.9	14.2	0.9	5.7	8.9	-3.3	54.3
100	462.5	57223.9	8.6	-0.4	5.9	6.7	-2.8	54.9
100	475	57221.5	1.6	-4.3	5.7	1.3	-3.4	54.9
100	487.5	57230.9	-0.9	-5.4	5.4	0.2	-2.2	54
100	500	57220.1	1.4	0.6	5.1	-0.2	-0.9	53.3
line 200								
200	-375	57226.8	14.7	-1.8	4.2	24	2	36
200	-375	57226.4	15.5	-1.7	4.2	23.4	1.7	36.1
200	-362.5	57231.5	22.3	0	4.2	27.6	3	38
200	-350	57239.2	28.2	1.1	4.4	27.9	1.1	39.3
200	-337.5	57240.2	29.7	2.8	4.6	26.1	-0.1	40.1
200	-325	57252.1	27.6	0.7	5.1	25.6	-0.3	41.4
200	-312.5	57243	21.8	-1.2	5.3	21.2	0	42.1
200	-300	57244.2	14.9	-1.1	5.2	16.1	0.2	40.8
200	-287.5	57230.2	15.8	1.2	5.1	16	0.2	40.1
200	-275	57222.9	15.4	2.7	5.2	17	2.2	39.4
200	-262.5	57224.9	14.7	0.6	5.1	18.4	3.7	39.4
200	-250	57224.3	17	2.3	5	19.5	3.7	39.6
200	-237.5	57230	19.2	4.4	4.9	21.4	5	39.3
200	-225	57221.8	22.9	4.9	4.9	22.4	5.5	39.5
200	-212.5	57232.4	25.4	6.4	5	22.7	6.1	40.8
200	-200	57264.2	30.2	10.2	5.4	25.3	8	41.7
200	-187.5	57279.1	15.5	0.7	5.7	17.2	5.4	44.3
200	-175	57250.1	10.9	-2.1	5.1	12.8	5.1	44.4
200	-162.5	57241.6	14.4	1.4	4.9	13.1	6.1	44.5
200	-150	57242.1	21	7	4.9	14.3	7.2	44.6
200	-137.5	57240.4	22	7.4	5	14.1	6.6	45
200	-125	57241.8	18	4.1	5.4	12.7	6.3	45
200	-112.5	57253.9	13.9	2.5	5.1	10	4.8	45
200	-100	57248.9	14.9	3.8	5	11.6	5.6	44.7
200	-87.5	57249.8	15.7	4.5	5	10.8	5.4	45
200	-75	57239.9	19.6	8.3	5	11.5	4.2	46
200	-62.5	57263.2	21.6	7.3	5	11.2	2.4	46.3
200	-50	57252.9	22.6	7	5.1	12.1	1.4	47
200	-37.5	57255.9	22.5	6.4	5.1	13.9	0.1	47.6
200	-25	57256.1	23.1	5.7	5.1	16.3	-1.1	49.6
200	-12.5	57265.5	22.5	3.8	5.1	18.5	-2.1	51
200	0	57276	24.5	1.5	5.1	25.1	-1.4	52.1
200	12.5	57292.3	20.1	-3.2	5.6	20.7	-1.5	53
200	25	57341.8	16.6	-5.6	5.3	13.8	-3.5	49.6
200	37.5	57343.7	18	-3.9	5.2	14.7	-3.2	48.8
200	50	57212	18.2	-4	5.2	13.6	-2.7	48.9
200	62.5	57207.5	14.2	-8.4	5.1	11	-3.2	48.7
200	75	57237.1	18	-5.9	4.9	10.7	-4.3	47.7
200	87.5	57304.1	27.1	-1.2	4.9	13.9	-3.8	47.6
200	100	57215	29.4	0	5.1	16.1	-3.4	48
200	112.5	57226.1	30.8	-1.4	5.3	16.5	-3.9	48.7
200	125	57233	27.9	-2.5	5.8	16.5	-4.4	49

200	137.5	57236.8	17.6	-6.9	5.8	14.4	-2.8	49.5
200	150	57235.5	16	-2	5.7	15.1	-1.8	50
200	162.5	57227.1	17.7	0.6	5.6	15.8	-0.5	50.6
200	175	57228.8	20.8	4.2	6.1	17	-0.4	51.7
200	187.5	57229.7	6.4	-5.5	6	7.9	-1.3	51.1
200	200	57223.2	4.7	-5.2	5.5	4.4	-1.9	50.4
200	212.5	57229.5	7.5	-1.4	5.1	2.5	-2	50
200	225	57230.1	13.3	3.9	5.1	2.8	-2.7	49.6
200	237.5	57234.6	20.4	7.8	5.4	2.6	-3.5	49.6
200	250	57240.5	11.9	-0.3	6	2.3	-1.6	49.4
200	262.5	57246.1	3.3	-3.5	5.7	3.4	2	49.1
200	275	57242.8	1.7	-2.1	5.4	4	4.1	49.3
200	287.5	57240.9	3.2	2.3	5.2	2.7	2.8	49.5
200	300	57239.7	6.6	2.1	5.1	3.2	2.2	50
200	312.5	57235.7	10.9	2.4	5.1	4.5	2.4	50.4
200	325	57233.6	11.2	-0.2	5.2	5.7	3	51.2
200	337.5	57237.2	10	-3	5.3	8.5	2.2	51.1
200	350	57227.8	9.8	-4	5.1	8.7	0.6	51.7
200	362.5	57226.2	12.9	-3.4	5.1	8.8	-0.1	52.1
200	375	57235.7	16.7	-2.7	5.2	8.7	-0.6	53.2
200	387.5	57241.6	14.8	-2.6	5.4	6.7	-1.7	52.5
200	400	57235.9	14.6	-2.9	5.3	5.4	-2.1	52.5
200	412.5	57234.4	14.6	-2	5.3	6.2	-1.9	52.7
200	425	57237.3	15.6	-2.2	5.3	6.5	-1.4	52.5
200	437.5	57225.5	11.8	-3.8	5.2	7.6	-0.2	52.1
200	450	57231.3	17.8	-1.4	5	8.6	-0.3	52.2
200	462.5	57229.1	22.3	0.9	5.3	7.9	-1.7	52.7
200	475	57231.5	19.6	-5	5.4	7	-2.9	52.3
200	487.5	57225.6	21.4	-0.2	5.7	7.3	-3.8	51.8
200	500	57233	11.2	-1.1	5.9	4.9	-3	51.3
line 300								
300	-500	57233.7	0.1	1.6	3.7	10.7	-0.9	37.1
300	-487.5	57233.8	-1.8	0.9	3.8	10.3	-0.1	37.3
300	-475	57230.5	-6	0.7	3.8	8.6	0	36.2
300	-462.5	57229.5	-3.3	1.5	3.5	10.9	1.7	35.4
300	-450	57223.2	-1	0.6	3.5	14.5	2.5	35.6
300	-437.5	57256.8	2.8	-0.6	5.1	17.9	4.4	36.1
300	-425	57246.3	3.3	-2.2	5.1	18	4.4	36.8
300	-412.5	57217.1	7.5	-1	5.1	19.6	4.1	37.5
300	-400	57231.5	7.4	-0.8	5	20	4.6	37.9
300	-387.5	57228.5	10.9	-1.3	5	22.6	5.6	38.7
300	-375	57229.1	14.4	-0.4	5	24.3	5.5	39.1
300	-362.5	57233.8	16	-1.4	5.2	24.4	5.8	40.3
300	-350	57232.6	16.1	-2.1	5.1	23.1	4.3	40.8
300	-337.5	57234.7	17.2	-2.7	5.1	23	3.3	41.3
300	-325	57235.8	19.2	-3	5.2	22.5	1.8	41.4
300	-312.5	57232.1	19	-4.4	5.2	22.7	0.8	41.7
300	-300	57243.3	21.1	-4.3	5.1	24.7	0	41.4
300	-287.5	57238	29.8	-1.3	5.2	28.9	-1.6	42
300	-275	57228.3	38	2.9	5.9	33.9	-1.3	43.7
300	-262.5	57242.4	28.7	2.2	7.2	30.9	0.1	46.7
300	-250	57233.1	6.6	3.4	6.1	17.2	3.5	45.6
300	-237.5	57232.4	11.3	9	6	19.1	3.9	45.7
300	-225	57240.7	10.2	4.5	6.5	18.7	3.7	46.5
300	-212.5	57241.4	5.1	0.1	6	15.8	2.5	46.6
300	-200	57241.5	5.5	0	5.8	15.5	3.4	47.3
300	-187.5	57240.6	6.8	3.8	5.9	15	4.3	48.6
300	-175	57253.3	5.1	1.1	5.7	11.5	1.8	48.4
300	-162.5	57253.5	6.9	3.2	5.9	11.5	2	48
300	-150	57268.7	0	-4.3	5.7	8.5	1.6	47.6

300	-137.5	57301.5	4.9	-0.9	5.3	9.9	2	47.3
300	-125	57245.1	11.8	4	5.3	12	3.1	47
300	-112.5	57255.7	15	4.8	5.7	14	3.9	47.2
300	-100	57256.1	9.5	0.4	5.9	16.4	6.7	48.6
300	-87.5	57271.1	11.1	1.8	5.7	14.2	4.5	49.5
300	-75	57285	11.2	2.1	5.8	11.8	3	49.9
300	-62.5	57280.9	10.9	2.3	5.8	9.1	0.4	49.5
300	-50	57278.8	7.7	0.6	5.9	7.7	-0.4	49
300	-37.5	57269.7	3.3	-1.9	5.8	7.6	-0.7	48.5
300	-25	57269.1	3.1	-2.8	5.7	7	-1.9	48.2
300	-12.5	57270.4	3.4	-2.4	5.5	6.8	-2.6	48.3
300	0	57263.3	5.3	-2.1	5.4	6.3	-2.9	47.9
300	12.5	57273.3	7.7	-0.5	5.4	6.2	-4.1	47.3
300	25	57329.2	9.7	-0.9	5.4	7.6	-3.7	47.4
300	37.5	57203.2	10.9	-1.4	5.4	6.8	-4.3	47.9
300	50	57215.1	13.2	0.4	5.5	6.3	-4.8	47.2
300	62.5	57212.5	14.7	2.7	5.5	6.3	-4.7	47.4
300	75	57218.9	14.9	0	5.8	10.6	-3.6	47.6
300	87.5	57225.9	11	-4.7	6	10.8	-4.4	48.5
300	100	57218.9	6	-6.1	5.7	7.9	-5.8	47
300	112.5	57229.6	10.9	-3.5	5.6	11	-4.7	47.2
300	125	57226.6	8.4	-6.1	5.6	10.6	-3.9	47.8
300	137.5	57233.7	11	-5.9	5.4	11.1	-3.7	48.9
300	150	57228.7	14.9	-1.2	5.5	10	-4.7	49.2
300	162.5	57239.7	15	-2.5	5.6	8.5	-5	49.2
300	175	57233.1	14.5	-3.8	5.8	7.3	-5.5	49.4
300	187.5	57238.4	14.7	-2.8	5.9	6.1	-5.4	48.7
300	200	57248.6	11.4	-3.3	6	5.6	-4.4	48.8
300	212.5	57259.1	9.7	-2.3	5.9	5.9	-3.3	48.8
300	225	57248.7	8.1	-2.1	5.8	5.1	-2.6	48.4
300	237.5	57256.4	7.3	-2	5.7	4.5	-2.5	48.3
300	250	57250.9	8.5	-1.8	5.8	4.7	-2.9	48.5
300	262.5	57239.2	5.4	-3.3	5.8	4.4	-1.3	47.8
300	275	57242.7	5.3	-3.9	5.6	5.3	0	47.9
300	287.5	57244.6	6.5	-3	5.4	5.9	0.3	48.4
300	300	57249.3	9.8	-0.8	5.4	6.5	-0.3	48.6
300	312.5	57247.3	13.1	1.8	5.6	6.5	0.2	49.9
300	325	57249.7	11.8	1.1	5.8	3.8	0	51.2
300	337.5	57248.6	9.4	0.7	5.6	-2.2	-1.6	50.8
300	350	57250.6	11.9	3	5.7	-3.4	-1.8	50.1
300	362.5	57179.5	6	-0.6	6.2	-4.6	-0.1	48.7
300	375	57256.4	2.6	1.3	5.8	-3	4.8	48.2
300	387.5	57252.8	4.2	3.6	5.8	-2.2	4.8	48.8
300	400	57239.3	4	5.2	5.8	-1.4	5.9	49
300	412.5	57238.8	0.4	3	5.9	-1	5.5	48.9
300	425	57250	-2.3	1.4	5.7	-0.8	4.7	50.4
300	437.5	57239	-2.5	0.9	5.5	-0.8	3.8	50.1
300	450	57242.9	-0.9	1.6	5.3	-1	2.8	49.2
300	462.5	57244.4	1.6	2.3	5.4	0	3	49.3
300	475	57255.6	-0.3	-0.5	5.5	-1	1.4	49.6
300	487.5	57279.1	-0.2	-1.5	5.2	-1.4	0.5	48.9
300	500	57384.2	5	2	5.1	0	0.5	49.7
line 400								
400	-500	57240.9	14.3	-2.2	5	24.2	6.1	34.7
400	-487.5	57226.2	15.6	-1.2	4.9	25.4	3.6	35.4
400	-475	57225.6	20.7	-1.3	4.9	28.9	4.7	35.3
400	-462.5	57246.3	24.3	0.9	4.9	32.3	6	36.4
400	-450	57237.8	25.7	4.7	5.1	32	8.8	37.8
400	-437.5	57227.8	29.1	5.3	5.2	31.1	5.6	39.2
400	-425	57231.2	24.6	5.9	5.5	30.2	5.7	40.2

400	-412.5	57235.7	21.4	5.5	5.5	27.8	5	40.9
400	-400	57240.7	19.6	3.7	5.5	26.6	4	41.5
400	-387.5	57235.9	18.2	2.1	5.5	25.5	3.9	41.6
400	-375	57241.1	18.7	2.6	5.5	26.1	5	42.2
400	-362.5	57243	19	0.3	5.6	25.1	5	42.9
400	-350	57243.9	19.6	-0.1	5.5	23.9	4.6	43.8
400	-337.5	57244.8	18.3	-1.3	5.7	20.1	3.3	44.7
400	-325	57243.9	21.3	0	5.7	19.3	1.6	44.8
400	-312.5	57244.1	19.5	1.3	6.2	21.2	2.2	45.6
400	-300	57242.4	0.9	-7.3	6.3	18.8	2.7	46.6
400	-287.5	57241.7	5.7	-9.7	5.3	18.6	0.8	47.2
400	-275	57256.7	11.9	-8	5.1	19	0	47.6
400	-262.5	57251	25	-3.9	5.1	21.6	-1.9	48
400	-250	57271.9	28.9	-0.1	5.6	21.7	-2	49.6
400	-237.5	57266.5	24	-1	6.2	18.5	-3.4	49.7
400	-225	57259.2	8.2	-1.7	6.5	10.8	-3.5	49
400	-212.5	57258.6	4.2	3	5.7	9.5	-1.2	47.9
400	-200	57267.2	9.8	8	5.6	10.2	1	47.5
400	-187.5	57288.9	9.7	5	5.8	8.4	-0.1	47.8
400	-175	57291	8	2.6	5.8	4.6	-3.7	47.2
400	-162.5	57308.2	6.1	-0.4	5.6	3.3	-4.3	46.4
400	-150	57285.2	9	1.8	5.5	4.7	-3.4	46.3
400	-137.5	57219.2	9.2	0.9	5.7	7.3	-2.1	47
400	-125	57232	7.3	-2	5.4	9.9	-0.2	46.4
400	-112.5	57245.2	8.9	-1.2	5.3	10.1	-1.4	45.9
400	-100	57260.3	14.1	1.6	5.3	12.1	-0.9	45.6
400	-87.5	57329.8	20.6	4.4	5.5	15.4	-0.1	46
400	-75	57264.8	17	1.6	6.3	13.3	-0.7	46.7
400	-62.5	57282.3	5.2	-4.8	5.7	4.3	-2.5	46
400	-50	57304.9	6.6	-1.7	5.5	4	-1.3	46.2
400	-37.5	57259.9	11.4	0.5	5.3	3.7	-0.2	46.2
400	-25	57163.8	12.8	0.7	5.3	4.4	0.2	47.1
400	-12.5	57196.3	15	1.1	5.4	3.8	-0.3	46.8
400	0	57215.8	15.9	-1.8	5.5	5.9	-1.9	46.9
400	0	57219.3	15.5	-2	5.5	5.2	-0.6	46.8
400	12.5	57224.7	16.6	-1.9	5.6	6.7	-1.7	46.5
400	25	57230.2	17.9	0.2	5.7	7.5	-2.5	46.7
400	37.5	57232.9	15.6	0.8	6	8.1	-2	46.4
400	50	57230.2	6.6	-0.1	6.1	8.4	-1.9	47.3
400	62.5	57229.1	2.3	0	5.8	8.3	-2.1	47.6
400	75	57224.6	2.8	-0.7	5.5	8.6	-1.9	47.3
400	87.5	57232.3	6.5	2.2	5.2	9.1	-2.1	47.3
400	100	57240.6	11.5	4.1	5.2	10.7	-2.1	47.8
400	112.5	57236.9	14.9	3.1	5.3	13	-2.2	49
400	125	57248.7	17.1	0.1	5.4	16.6	-2	50.5
400	137.5	57227.7	15.4	-2.4	5.6	12.7	-3.5	51.9
400	150	57260.4	11.3	-3.6	5.5	7.5	-5.8	49.6
400	162.5	57272.5	12.2	-2.2	5.3	6.8	-5.7	49.1
400	175	57256.4	14.7	-3.3	5.3	6.6	-5.3	48.6
400	187.5	57220	16.3	-1.8	5.2	6	-5.1	48.4
400	200	57269	19.3	-2.4	5.2	6.4	-4.4	47.8
400	212.5	57251.9	22.7	-2.2	5.2	6.8	-3.7	48.6
400	225	57247.2	24.6	-1.3	5.3	6.8	-3.5	49.1
400	237.5	57252.4	25.5	-1.2	5.6	6.6	-3.1	49.5
400	250	57255.4	21.5	-1.6	5.8	4.6	-1.7	50.1
400	262.5	57263.1	17.1	-3.2	5.7	2.4	-0.9	50.6
400	275	57267	16.4	-2.1	5.6	1.5	-0.8	49.8
400	287.5	57265.3	16.5	-2.5	5.7	2.4	-1	50.3
400	300	57216.5	14.2	-1.7	5.8	3.3	-1.1	49.2
400	312.5	57194.1	12.2	-0.7	5.8	3.9	-0.5	49.6

400	325	57253.8	10.9	-1.1	5.7	5.1	0	49.3
400	337.5	57249.6	11.4	0.5	5.7	5.3	-0.3	49.5
400	350	57247.5	10.4	-0.1	5.8	4	-0.6	50
400	362.5	57210.6	2.7	-6.6	5.6	-2.9	-2.8	48.8
400	375	57230.8	7.4	-2.9	5.3	-3	-2.5	47.9
400	387.5	57242.4	14.7	1.6	5.2	-2.5	-2.7	47.5
400	400	57245.9	23.8	7.8	5.6	-1.7	-3.4	47.1
400	412.5	57234.1	8.2	-3.8	6.4	-3.9	-1.4	47.9
400	425	57244.7	4.5	-2.9	5.7	-3.9	-0.6	47.3
400	437.5	57258.7	11.1	4.4	5.5	-1.5	0.1	47.2
400	450	57241.2	13.7	3.7	5.6	0.5	1.7	47.5
400	462.5	57236.2	5.1	-2.5	6.1	-0.1	0.8	47.7
400	475	57242.9	2.9	-2.6	5.4	-0.5	0.4	47.9
400	487.5	57246.2	5.9	-0.6	5.2	0.3	0.3	47.7
400	500	57236.3	9.2	1.4	5.2	1.6	0.3	48.4
line 500								
500	-500	57241.1	6.3	2	5.4	12.9	10.8	47.8
500	-487.5	57240.4	6.9	1.8	5.4	10.5	9	48.8
500	-475	57243	7.4	1.5	5.3	8.1	7.1	48.3
500	-462.5	57243.7	9.6	1.8	5.3	6.9	6	48.2
500	-450	57247.6	9.5	2.3	5.2	5.7	5.6	48.3
500	-437.5	57248.1	11.3	0.6	4.7	5.7	5.4	47.6
500	-425	57242.7	13.4	1.4	5.3	6.1	5.6	48.3
500	-412.5	57244.1	14.7	0.4	5.4	7.4	6.5	48.4
500	-400	57247.1	15.8	-1.2	5.5	7.1	4.7	48
500	-387.5	57247.2	16.7	-1.7	5.6	7.6	3.8	47.3
500	-375	57247.2	16.9	-2.6	5.7	9.1	3.7	47.6
500	-362.5	57247	15.6	-5.8	6	12.7	4.4	47.2
500	-350	57243.3	11.9	-9.7	6.1	16.7	4.8	46.9
500	-337.5	57242.1	10.6	-9.5	6.2	18.5	4.7	46.7
500	-325	57250.4	6.9	-10.4	6.2	21.8	5	46.1
500	-312.5	57243.2	4.9	-9.6	6.2	19.6	3	45.9
500	-300	57242.8	2.5	-8.9	6.1	15.7	1	45
500	-287.5	57247.3	4.8	-7.2	6	14.6	0	44.7
500	-275	57256.6	3.3	-2.9	6.6	12.8	-0.2	44.6
500	-262.5	57252.4	-7.6	-7.3	6.1	7.2	-1.9	43.9
500	-250	57263.8	-4.8	-7.5	5.7	4.9	-3.7	44.4
500	-237.5	57264.7	-1.2	-7.5	5.3	3.6	-6	43
500	-225	57284.2	8.5	-3.8	5.4	6.1	-5.2	43.1
500	-212.5	57290.6	14.9	-2	5.7	7.7	-5.1	43.2
500	-200	57257.3	12.2	1.2	6.8	9.3	-1.1	44.9
500	-187.5	57255.7	-5.9	-3.6	6.8	1	-2.6	45.6
500	-175	57253.2	-9.5	-2.1	5.8	-0.8	-1.9	44.5
500	-162.5	57265.3	-5.3	0.2	5.4	-0.6	-2.4	44
500	-150	57239.4	-1.6	2.8	5.3	-0.6	-3.1	43
500	-137.5	57251	3.8	4.9	5.3	0.2	-4.3	43
500	-125	57263.4	10.2	9.1	5.5	2.1	-4.5	42.7
500	-112.5	57275.5	7.5	2	5.8	2.2	-5.3	42.5
500	-100	57397.8	7.4	1.9	5.7	3.1	-5.4	42
500	-87.5	57205.5	9.6	3	5.8	5.2	-4	42.2
500	-75	57224.3	9.7	3.8	6	7.8	-3.4	42.4
500	-62.5	57232.8	1.1	-4.3	5.9	11	-2.9	42.7
500	-50	57228.4	5.7	-4.6	5.5	16.1	-2.4	43
500	-37.5	57245.2	11.7	-3	5.5	16.7	-3.1	43.5
500	-25	57268.7	15.7	0.1	6	17.9	-2.9	44.4
500	-12.5	57260.9	3.8	-5.1	6.5	9.2	-3	45.9
500	0	57242.2	-1.5	-5.8	5.9	2.6	-2.3	44.5
500	12.5	57249.1	-0.3	-2.2	5.6	1.3	-0.9	44.5
500	25	57270.4	2.6	-1.3	5.5	0.1	-0.7	44.4
500	37.5	57263.7	5.4	0.6	5.5	-1	-1.4	43.8

500	50	57280.2	6.7	0.2	5.6	-0.4	-1.5	43.3
500	62.5	57279.7	7.8	0.5	5.6	0	-1.5	42.9
500	75	57288.1	10	0.4	5.7	1.2	-1.3	42.7
500	87.5	57300.9	9.4	1.2	5.9	1.6	-0.7	43.2
500	100	57293.5	8	1.5	5.9	0.7	-0.9	43.5
500	112.5	57299	6.9	1.5	5.9	1.2	-1	44
500	125	57232.6	5.3	1.8	5.9	1.3	-0.7	45.4
500	137.5	57282.6	3.9	2.6	5.9	2.5	-0.9	45.8
500	150	57272.8	2	2.8	5.8	3.1	-0.6	46.2
500	162.5	57267.7	0.4	1.7	5.6	4.2	-0.9	47
500	175	57272.1	2	0.5	5.5	4.5	-1.7	47
500	187.5	57276.1	3.1	0.9	5.4	3.6	-1.6	46.8
500	200	57266.2	4.4	1	5.4	1.8	-1.6	46.6
500	212.5	57266.3	4.7	1.2	5.5	-0.6	-1.8	45.5
500	225	57255.7	6.9	0.4	5.4	-1.6	-2.5	44.4
500	237.5	57258.2	7.5	0.9	5.5	-2.3	-2.3	44
500	250	57258.7	7.1	-3.2	5.5	-3.5	-3.3	43.1
500	262.5	57262.8	7.8	-4	5.4	-3.3	-4.1	43
500	275	57224	11.4	-2.9	5.3	-3.1	-4.1	42.1
500	287.5	57248.3	15.8	-1.6	5.4	-1.8	-4	42.1
500	300	57247	17.7	-0.9	5.6	-2.1	-3.9	41.6
500	312.5	57258.3	17.7	-2.7	5.8	-1.5	-4.5	41.8
500	325	57263.6	17.4	-3.4	5.9	-1.4	-4.3	41.8
500	337.5	57267	17.7	-4.1	6	-0.6	-4.1	41.8
500	350	57268.7	15.2	-3.2	6.3	0	-4.3	42.1
500	362.5	57265.8	8.9	-3.1	6.3	0	-4.1	42.6
500	375	57262.2	6.9	-2.5	6.1	0.3	-3	42.6
500	387.5	57235.6	4.9	-1	6	0.3	-3.7	43
500	400	57219.6	4.7	0.7	6	0.5	-2.4	42.7
500	412.5	57243.1	2.4	-4.7	5.7	0.5	-2.2	42.1
500	425	57232.5	3.8	-4	5.3	1.3	-1.5	42.5
500	437.5	57239.4	10.5	0.8	5.2	3.6	-0.6	43
500	450	57254	18.8	7.2	5.5	5.6	-0.7	43.1
500	462.5	57270	11.3	-1.2	6.4	3.6	-1.5	43
500	475	57216.7	4.3	-6.4	6	2.2	-0.6	43.3
500	487.5	57228.6	3.3	-4.6	5.8	1.5	-0.2	43.8
500	500	57232.8	4.1	-4.2	5.6	1.3	-1.1	44.4
line 600								
600	-500	57245.7	1.9	-0.2	5.7	-0.2	4.4	47.7
600	-487.5	57246.6	2	0.3	5.6	-0.1	4.8	47.2
600	-475	57234.7	4.5	0.3	5.5	1.1	6	46.6
600	-462.5	57440.5	6	-0.7	5.5	0.8	5.2	46.9
600	-450	57335.9	7.2	-0.3	5.4	0.8	3.7	47.1
600	-437.5	57235.1	7.6	-0.9	5.4	0.1	2.6	47.3
600	-425	57230.2	9.4	-1.6	5.3	-0.1	1.3	47.3
600	-412.5	57231.3	10.1	-2.4	5.3	-0.5	0.5	46.9
600	-400	57241.8	11.6	-1.9	5.3	-1	-0.5	47.6
600	-387.5	57243.6	13	-0.6	5.2	-0.3	-0.7	47.1
600	-375	57250.7	15.5	-2.4	5.3	0.5	-0.2	46.5
600	-362.5	57245.8	16.7	-2.4	5.3	1.7	0.1	46.4
600	-350	57258.1	19.4	-4.2	5.3	2.8	0.8	46.4
600	-337.5	57256.5	20.4	-4.7	5.4	3.6	0.9	46
600	-325	57263.3	22.7	-5.3	5.4	3.5	0.5	45.6
600	-312.5	57255.9	24.4	-4.6	5.5	4.4	0.6	45.6
600	-300	57248	23.5	-2.6	6.1	5.4	0.2	46
600	-287.5	57255.5	24.6	-5.3	6.1	4.6	-0.8	46.1
600	-275	57257	21.6	-7	6.4	5.3	-1.5	46.8
600	-262.5	57261.3	17.7	-9	6.6	4.6	-2.5	47
600	-250	57264.6	12.5	-12.3	6.6	4.4	-3.7	47.4
600	-237.5	57269.7	10.6	-11.7	6.5	4.4	-4.5	47.5

600	-225	57262.8	10.2	-11.8	6.4	5	-4.7	47.7
600	-212.5	57294	10.2	-11.7	6.3	6.5	-3.6	47.9
600	-200	57314.1	9.6	-10.2	6.2	6.8	-3.2	48.1
600	-187.5	57411.7	12.1	-7.9	6	5.9	-4.3	48
600	-175	57449.3	17	-4.1	6.1	5.2	-5.1	47
600	-162.5	57315.5	17.6	-3.5	6.6	6.9	-3.6	46.8
600	-150	57325.4	11.5	-5.8	6.7	7.6	-0.8	47.2
600	-137.5	57233.3	5.1	-6.3	6.8	6.2	0.9	48.2
600	-125	57249.9	0.5	-1.6	6.4	3.5	1.7	48.7
600	-112.5	57250.5	-0.1	1.3	6.1	2.6	2.4	48
600	-100	57233.2	2.3	4.8	5.8	1.5	1.9	48
600	-87.5	57248	7	8.3	5.9	1.9	3.5	48.2
600	-75	57254.1	9.7	9.6	6.1	2.3	3.5	48
600	-62.5	57259.2	6.3	1.8	6.4	0.4	2.3	47.6
600	-50	57255	1.1	0	6.1	-0.5	1	46.8
600	-37.5	57272.9	1.4	-2.8	5.9	-0.5	1.1	46.1
600	-25	57243.8	6.2	-0.4	5.6	0.6	2.7	45.6
600	-12.5	57250.2	9.2	0	5.6	1.4	2	45.5
600	0	57266.8	11.9	-0.5	5.8	0.8	0.4	45.8
600	12.5	57268	13.4	-1.7	5.8	0.5	-0.1	45.8
600	25	57262.1	14.2	-2.7	5.8	2.4	-0.2	45.5
600	37.5	57245.3	15.2	-2.4	5.9	4	-0.4	45.7
600	50	57240.7	17	0.6	5.8	7.3	-0.8	46.1
600	62.5	57248	19.5	2.7	5.9	7.5	-1.2	46.8
600	75	57248.9	21.3	3.6	6.3	8.5	-1.5	47.4
600	87.5	57253.1	14.5	-1	6.8	4.6	-2.7	49
600	100	57252.1	8	-3.3	6.7	-1.1	-3.7	48.2
600	112.5	57257.1	4.7	-1.7	6.5	-3.9	-2.7	47.5
600	125	57208.1	4.9	0.9	6.3	-5	-1.7	46.7
600	137.5	57275.7	6.2	2.1	6.4	-4.5	-1.2	46.3
600	150	57254.6	5.3	2.6	6.4	-5	-1.2	45.6
600	162.5	57195.5	2	2.4	6.4	-5.6	-0.6	45.5
600	175	57247.2	-0.2	1	6.2	-4.6	-0.7	44.6
600	187.5	57252.4	0.2	1.1	5.9	-3.2	-0.6	44.2
600	200	57229.5	3.8	2.4	5.7	-3.1	-1.6	44.2
600	212.5	57256.8	9.1	5.3	5.7	-1.8	-2.5	45.1
600	225	57267	10.2	4.3	6	0	-3.3	45.8
600	237.5	57296.2	7	0.2	6	-0.4	-4.9	45.1
600	250	57205.1	6.4	-2.7	5.9	0.1	-5.2	44.3
600	262.5	57221.4	7.7	-1.7	5.7	1.9	-4.3	43.6
600	275	57240.3	10.6	-1.8	5.6	2.9	-4.5	44.2
600	287.5	57238.1	13	-1.4	5.6	4.1	-4.4	44.6
600	300	57243.7	17.4	-2.6	5.6	5.9	-5.5	44.8
600	312.5	57241.6	18.6	-2.3	5.7	6.8	-6.1	45.4
600	325	57255.6	20.5	-4	5.9	6.7	-6.9	46
600	337.5	57251	20.5	-5.3	6	6.2	-7.5	46.2
600	350	57264.3	20.7	-6.1	6.2	6.4	-8.1	46.7
600	362.5	57274.9	21	-5.9	6.3	6	-8	47.6
600	375	57281.3	19.9	-6.6	6.4	5.4	-8.3	47.7
600	387.5	57228.9	19.6	-5.7	6.6	4.9	-7.6	48
600	400	57240.3	16	-4.2	6.6	3.2	-6	48.7
600	412.5	57250	12.6	-2	6.5	1.3	-4.6	48.7
600	425	57250.3	11.6	-0.1	6.4	1	-3.8	48.7
600	437.5	57257.7	12.3	1	6.4	2.3	-2.6	48.9
600	450	57254	7.2	-1.7	6.8	1.4	-2.3	48.6
600	462.5	57275.4	3.4	-5.2	6.4	-0.3	-2.9	48.4
600	475	57374.3	4.6	-4.6	6.1	0.1	-2.9	48.4
600	487.5	57418.1	7.3	-3.8	5.9	0.4	-3.2	48.6
600	500	57211.8	11.1	-2.1	5.8	2.1	-2.6	48.7

line 700

700	-500	57257.9	-2.5	7.1	5.7	1.7	3.7	43.8
700	-487.5	57253.2	0.2	7.4	5.7	3.4	4.5	43.9
700	-475	57257.7	1.3	7.6	5.8	2.9	4.8	45.5
700	-462.5	57260.6	-1.6	2.6	5.8	-1	2.2	45.9
700	-450	57261.5	-3.9	-0.4	5.7	-3.5	0.3	46.1
700	-437.5	57259.9	-4.7	-0.8	5.6	-6.1	-1.7	46.1
700	-425	57261.7	-5.5	-0.5	5.4	-6.9	-1.4	44.9
700	-412.5	57260.3	-3.7	0	5.3	-6.4	-1.4	43.9
700	-400	57257.4	-0.9	-0.5	5.3	-5.8	-1.4	43.3
700	-387.5	57257.6	0.3	-0.3	5.3	-5	-3.2	43.3
700	-375	57265.3	1.4	-1.8	5.3	-4.3	-3.3	42.6
700	-362.5	57265	2.7	-1.8	5.3	-3.1	-3.3	42.5
700	-350	57263	6.3	-1.5	5.2	-1.8	-3.2	42.4
700	-337.5	57267.7	7.6	-1.3	5.2	0	-2.3	42.6
700	-325	57273.4	9.7	-1.4	5.4	1.4	-2.9	42.5
700	-312.5	57284.4	10.9	-0.2	5.5	1.5	-4.3	43
700	-300	57305.5	12.4	-0.9	5.5	3.2	-4.1	42.8
700	-287.5	57330.8	14.5	0	5.7	4.6	-3.5	42.9
700	-275	57448.5	15.5	0.9	5.8	5.9	-3.1	43.5
700	-262.5	57143.2	16.2	0	6	8.2	-2.2	44.2
700	-250	57229.2	16.1	-1.1	6.1	9.4	-0.8	45.4
700	-237.5	57254.1	15.2	-1.5	6.3	9.9	-1	46.6
700	-225	57239.5	13.2	-2.6	6.5	8.7	-2.2	48.1
700	-212.5	57228.9	8.5	-5.1	6.7	5.9	-4.5	48.7
700	-200	57219.9	1.7	-6	6.6	2.9	-5.3	48.9
700	-187.5	57213.4	1.2	-6.5	6.1	3.6	-4.6	48.4
700	-175	57233.1	3.6	-3	5.9	5.2	-2.9	48.9
700	-162.5	57278.9	5	-1.1	5.8	-1.2	-3.1	47.3
700	-150	57267.3	8.8	1.4	5.9	-1.3	-2.1	46.4
700	-137.5	57257.9	12.3	4.9	6.1	0.1	-3.3	46
700	-125	57251.7	8	3	6.5	-0.9	-0.4	46.1
700	-112.5	57232.2	1.4	0.8	6.5	-2.7	1.1	46.1
700	-100	57253.4	-2.4	1.5	6	-2.9	3	46.1
700	-87.5	57217.3	-2.6	2.5	5.8	-2.4	3.7	45.6
700	-75	57269	1.8	7.6	5.6	0.3	6	45.6
700	-62.5	57255.8	5.8	9.7	5.6	0.7	5.1	45.6
700	-50	57254.4	8.4	8.5	5.9	0.7	4	45.9
700	-37.5	57256.2	5.9	4.7	6.1	-1.3	1.6	46.6
700	-25	57257.7	3.3	3	6	-2.2	0.7	46.6
700	-12.5	57253.6	3.9	3.7	6	-1.2	1.2	46.6
700	0	57264.9	3	1.5	5.9	-2.8	0	46.5
700	12.5	57260.7	2.2	1.8	5.8	-3.9	-0.2	46.5
700	25	57264.8	2.1	0.9	5.7	-2.3	-0.2	46.4
700	37.5	57262.9	4.6	1.2	5.6	-1	-0.3	46.4
700	50	57247.2	4.8	1.4	5.7	-1	-1	46.5
700	62.5	57248.7	5.1	-0.6	5.7	-0.8	-1.6	47
700	75	57254.1	6.5	-0.7	5.8	-1.7	-3.6	47
700	87.5	57243	2.8	-2.6	6	0	-2.9	46.2
700	100	57231.4	2.2	-2	5.9	0.5	-2.5	47
700	112.5	57254.9	-0.1	-0.7	5.9	-0.5	-2.4	46.7
700	125	57261.3	-1.8	-1.1	5.8	-1.1	-2.5	46.4
700	137.5	57279.3	-1.2	0.1	5.6	-1.3	-2.6	46.3
700	150	57255.1	1.2	0.9	5.5	-0.9	-1.9	45.9
700	162.5	57230.1	4	3.9	5.5	-1.6	-2.8	46.1
700	175	57238.7	5.6	2.9	5.6	-1.8	-2	46.7
700	187.5	57235.6	4.8	1.1	5.6	-3	-2.7	47
700	200	57233.2	5.5	1.9	5.7	-3.3	-3.6	47.1
700	212.5	57237	5.1	1.2	5.7	-3.5	-3.4	47
700	225	57249.4	3.8	1.5	5.8	-2.2	-4.5	47.2
700	237.5	57259.2	2.7	1.5	5.9	-0.1	-4.9	47.1

700	250	57261	-1	0.5	5.8	1.6	-11.3	47.5
700	262.5	57276.8	-2.2	-0.1	5.7	3	-6.7	47.6
700	275	57278.7	-0.5	-0.5	5.5	6	-7.4	47.5
700	287.5	57255.5	3.5	0	5.4	7.2	-7.9	48.1
700	300	57254.3	8.1	0.6	5.4	7.7	-8.3	48.8
700	312.5	57237.8	9.3	1.1	5.6	7.9	-8.8	50.5
700	325	57242.3	11.9	0.8	5.8	7.5	-8.9	51.7
700	337.5	57246.2	10.4	0.3	6.1	5.2	-8.3	52.3
700	350	57245.3	7.9	-0.7	6.3	2	-7	52.8
700	362.5	57240.9	4.5	0.4	6.2	-2.1	-5.7	52.8
700	375	57241.9	3.8	0.7	6.2	-3.3	-4.3	51.9
700	387.5	57248.2	2.8	2.4	6.1	-3.5	-2.6	51.5
700	400	57250.8	4.4	4.3	6.1	-3.1	-1.1	51.1
700	412.5	57236.3	4.7	4.7	6.2	-3.4	-0.5	51.4
700	425	57254	4.2	5.5	6.2	-4	-0.6	50.9
700	437.5	57257.2	4.3	5.7	6.3	-4.3	-0.8	51
700	450	57259.4	3.7	4.5	6.3	-5.2	-0.5	50.5
700	462.5	57251.1	3.9	5	6.4	-5.2	-2.2	50.8
700	475	57264	2.8	3.2	6.6	-6.2	-3.2	50.9
700	487.5	57268.9	0.7	0.8	4.5	-7.2	-3.9	50.9
700	500	57260.7	0	0.4	6.6	-6.8	-4.2	51.1
line 800								
800	-500	57269.3	4.3	6.2	5.9	4	0.2	46.2
800	-487.5	57274.4	7	8.4	6	4.6	0.6	46.9
800	-475	57276.5	8.8	7.6	6.1	5	0.5	47
800	-462.5	57278.2	8.2	5.7	6.3	4.1	1	47.1
800	-450	57279.8	1.8	2.3	6.3	0.4	0.2	47.1
800	-437.5	57285.2	-0.9	-1.1	6.1	-1.6	-1.1	46.7
800	-425	57280.5	-1	-2.5	5.9	-1.9	-0.9	45.9
800	-412.5	57268.4	-0.4	-2.4	5.7	-1.3	-0.3	45.7
800	-400	57266.6	2.7	-2.1	5.5	0.4	0	45.6
800	-387.5	57260.9	4.9	-0.7	5.5	1.1	-0.3	45.8
800	-375	57268	7.6	-1.2	5.5	2.7	0	45.7
800	-362.5	57289.7	8.7	-1.4	5.5	3.5	-0.4	46.4
800	-350	57271.1	10.8	-2.7	5.5	3.3	-1.4	46.6
800	-337.5	57279.9	11.6	-3.3	5.6	4.2	-1.9	46.8
800	-325	57290.9	13.1	-3.7	5.6	3.9	-2.8	47
800	-312.5	57280.5	14	-3.8	5.7	4.5	-3.6	47.5
800	-300	57291.1	14	-6.2	5.8	4.6	-4	47.2
800	-287.5	57262.2	15.2	-6.5	5.9	5.5	-4	47.6
800	-275	57233	15.4	-6.6	5.9	6	-3.8	48
800	-262.5	57245.4	15	-5.1	6	5.8	-3.5	47.6
800	-250	57238.7	14.8	-5.6	6.1	5.6	-3.4	47.7
800	-237.5	57255.2	13.4	-4.2	6.3	4.6	-2.7	47.4
800	-225	57244.7	13.5	-3.8	6.4	3.3	-2.9	47.6
800	-212.5	57230.5	11.1	-4.1	6.6	-0.1	-4	47.5
800	-200	57228.1	8.8	-4.1	6.6	-2.2	-4.9	47
800	-187.5	57218.7	8.2	-2.5	6.5	-3.1	-4.7	46.2
800	-175	57244.9	9.6	-0.5	6.5	-0.8	-4.8	45.5
800	-162.5	57233.1	8.5	-0.6	6.5	3.3	-2.6	45.2
800	-150	57247.7	8.2	-1.8	6.5	6	-2.5	45.6
800	-137.5	57247	9.5	-1.2	6.4	8.7	-1.3	46.3
800	-125	57234.3	10.4	-0.8	6.4	10.9	0.3	46.9
800	-112.5	57244.8	11.7	0.2	6.4	11.6	-0.2	48.5
800	-100	57238.6	12.1	0.9	6.4	10.6	0.1	49.1
800	-87.5	57231.3	14.1	2	6.5	11.6	0	50
800	-75	57224.3	11.2	-0.1	7.3	12	0.7	52
800	-62.5	57231.8	-1.5	-3.8	6.6	3.6	0.7	48.9
800	-50	57235	2.2	-1.4	6.3	6.5	2.6	47.9
800	-37.5	57241.4	5.3	0.5	6.3	9.1	4.5	48.4

800	-25	57244.1	1.1	-2.2	6.5	3.4	1.2	51.5
800	-12.5	57238.8	0.6	-3.6	6.3	-0.2	-1.5	48.8
800	0	57242.5	1.5	-2.3	6.3	-0.6	-1.3	48
800	12.5	57239	2.5	-1.8	6.2	0	-1.2	48.1
800	25	57242.5	1.7	-1.9	6.1	-0.1	-0.9	47.6
800	37.5	57245.1	3.6	0.8	6.1	-0.3	-0.8	47.9
800	50	57254.8	4.6	1.3	6.1	0.5	0.2	47.8
800	62.5	57245.3	5.1	1	6.2	2.3	1.8	48.2
800	75	57232.8	4.2	-1.7	6.3	3.3	2.3	48.9
800	87.5	57236.9	4.5	-2.8	6.4	3.6	2.3	49
800	100	57246	5.6	-3.7	6.3	4.2	2.7	49
800	112.5	57246.9	6	-4.7	6.4	4.8	2.8	49.5
800	125	57258.2	8	-4.7	6.5	4.9	2.3	49.3
800	137.5	57269.2	9.5	-4.1	6.5	4.7	1	49.4
800	150	57300.7	9.8	-4.4	6.5	5.8	0.5	49.2
800	162.5	57285.8	12.4	-2.6	6.7	9	0.5	48.1
800	175	57291	13.8	-0.9	6.8	11.4	0.5	48.2
800	187.5	57278.9	16.3	-0.1	7.1	14.8	1.7	49
800	200	57283.2	5.5	-6.2	7.6	8.4	-0.9	51.6
800	212.5	57276.4	2	-7	7	4.5	-2.5	52.1
800	225	57261.5	4.1	-6.2	6.8	3.3	-3.4	52.6
800	237.5	57254.7	4.5	-6.3	6.8	2	-4.1	52.8
800	250	57254.8	6.1	-6.4	6.6	1.4	-4.3	52.8
800	262.5	57256.3	8	-6.2	6.6	2.1	-4.4	52.5
800	275	57252.2	9.8	-5.5	6.6	2.6	-3.9	52.3
800	287.5	57246.4	10.6	-5.1	6.7	2.6	-3.9	52
800	300	57239.5	11.6	-4.2	6.8	1.7	-3.3	52.2
800	312.5	57242.8	10.3	-3.2	6.9	-0.6	-3.8	52.3
800	325	57247.5	9.3	-1.9	7	-1.6	-3.1	51.7
800	337.5	57241	8.6	-0.8	6.9	-1.9	-2.1	51.1
800	350	57253.5	7.7	0.2	6.9	-2.4	-1.3	51
800	362.5	57255.3	8.8	1.3	6.8	-1.5	0	50.3
800	375	57246.7	10.2	2.5	6.8	-0.3	0	50
800	387.5	57245	10.7	1.7	6.9	-0.3	-0.6	50.3
800	400	57250.4	10.6	0.8	6.9	-0.3	-1.5	50.2
800	412.5	57262.3	11	1.8	6.8	0.1	-1.4	50.5
800	425	57275.4	12.2	2.1	7	1.2	-1.6	51.5
800	437.5	57226.7	12.3	1.9	7	0.7	-1.1	52.2
800	450	57253.6	11.1	2.4	7	-0.8	-1.8	53.4
800	462.5	57269.2	11.6	2.7	7	-1.4	-2.2	53.3
800	475	57270.8	11.4	2.9	7.2	-2.5	-2.6	52.7
800	487.5	57244.8	7.6	0.6	7.3	-3.5	-2.6	51
800	500	57261.5	5.3	0	7.1	-3.1	-1.8	49.8

line 900								
900	-500	57273.3	-4.5	8.3	5.8	-5.7	0.4	45
900	-487.5	57273.1	-1.9	11.4	5.9	-3.9	1.8	44.3
900	-475	57277	-1.6	9.1	6	-4.1	2.1	45
900	-462.5	57302.3	-5.2	7	6	-5.9	1.3	44.8
900	-450	57274	-5.4	5.3	5.9	-5.2	1.9	44.1
900	-437.5	57283.9	-5.7	4	5.8	-5.3	1.6	43.8
900	-425	57320.4	-4.4	4.6	5.7	-4.7	1.9	43.5
900	-412.5	57275.3	-4.8	3.1	5.6	-4.5	2	44.3
900	-400	57256.2	-4.9	1.8	5.7	-5	1	44.6
900	-387.5	57245.1	-4.6	0	5.6	-6.3	-1.5	44.3
900	-375	57256.3	-4.6	-1.6	5.5	-7	-2.7	44.3
900	-362.5	57264.3	-3.7	-2.8	5.4	-7	-3.8	43.7
900	-350	57269.7	-2.3	-2.9	5.2	-7.2	-5.3	43.4
900	-337.5	57299.9	0.4	-3.4	5.1	-6.2	-5.7	43.2
900	-325	57317.6	2.3	-2.5	5.1	-5.2	-5.8	43
900	-312.5	57267.3	4.5	-2.5	5.1	-2.9	-5.4	42.4

900	-300	57244.1	7.5	-2.2	5.1	-1.8	-5.1	42
900	-287.5	57244.6	10.4	-2.4	5.2	0.4	-4.2	41.7
900	-275	57271.5	13.6	0	5.2	2.9	-3.8	42.4
900	-262.5	57317.3	15.9	-0.8	5.3	3.3	-3.7	42.8
900	-250	57300.2	16.8	-1.5	5.5	4.9	-4.2	42.7
900	-237.5	57242.5	16.4	2.9	5.7	4.2	-4.5	43.5
900	-225	57256.5	17	1.8	5.9	5.5	-4.3	43.6
900	-212.5	57234.5	16.8	2.7	6	6.5	-3.6	44.1
900	-200	57207.3	16.9	3.8	6.2	7.1	-2.7	44.6
900	-187.5	57226.5	16.7	2.5	6.3	7.7	-1.7	45.8
900	-175	57245.2	14.9	2.6	6.4	5.5	-2.1	46.8
900	-162.5	57238.6	12.8	1	6.6	3	-2.7	47.9
900	-150	57247.3	12.3	0.7	6.7	0.8	-2.6	47.4
900	-137.5	57240.5	9.2	1.5	6.8	-1.9	-3	48
900	-125	57227.6	7.5	1.8	6.6	-4	-2.1	47.5
900	-112.5	57235	8.9	2.9	6.7	-6.1	-2.2	46.8
900	-100	57239.8	11.1	6.7	7.2	-5.8	-1.6	45.8
900	-87.5	57248.5	1.6	4.6	7.8	-5.3	-0.6	45.1
900	-75	57242.1	-13.4	-3.1	7.6	1.9	4.8	44.5
900	-62.5	57243	-13.1	-2.7	6.5	6.2	5.7	44.6
900	-50	57241.1	-8.4	-0.5	6.2	5.8	4.1	45
900	-37.5	57239.5	-5	0.6	6.1	2.7	0.6	46.9
900	-25	57243.4	-0.8	2.3	6	2.1	0	46.9
900	-12.5	57249.7	4.4	4.2	6	1.4	-1.9	46.9
900	0	57248.9	10.3	6.5	6.4	2.1	-2.7	46.8
900	12.5	57259.3	9.3	3.4	7	1	-3.4	47.1
900	25	57265.8	3.3	0.3	7.2	-0.6	-3.1	46.6
900	37.5	57272.9	-2.4	-1.4	7	-1	-2.2	46.1
900	50	57256.3	-6.5	-1.3	6.8	-0.5	-1	45.3
900	62.5	57240.2	-5.7	-1.2	6.4	1.9	-0.3	45
900	75	57257.5	-3	1.6	6.1	3.8	0	45.5
900	87.5	57256.6	0.7	2.9	6.1	5.1	0	45.9
900	100	57241.3	2.9	3.5	6.2	5.6	-0.7	46.6
900	112.5	57246.8	3.9	4	6.2	5.3	-1.5	47.7
900	125	57236.6	4	1.6	6.6	3.2	-2.1	48.9
900	137.5	57240.5	-1	-1.5	6.7	-1.1	-4.4	49.2
900	150	57241.7	-3.2	-1.2	6.3	-4	-3.3	48.6
900	162.5	57245.3	-2.9	-0.6	6.1	-5.7	-2.6	48
900	175	57243.2	-0.5	1.2	6.1	-6.4	-2.5	48
900	187.5	57249.7	1.3	0.7	6.1	-7.8	-3.8	47.7
900	200	57238.1	2	-0.3	6.1	-8.2	-2.9	47.9
900	212.5	57239	3.3	-0.5	6	-8	-2.6	47.5
900	225	57256.5	5.9	-0.3	6	-7.1	-2.3	47.4
900	237.5	57245.7	9.8	0.8	6.2	-6.2	-3.2	47.2
900	250	57236.9	9.3	-0.1	6.5	-5.7	-2.8	46.9
900	262.5	57248.4	6	-1.7	6.5	-4.5	-2.3	46.6
900	275	57264.2	5.6	-1.9	6.6	-2.6	-1.7	47
900	287.5	57263.8	5.2	-1.1	6.6	-1.1	-1.9	47.4
900	300	57259.1	3.5	-1.1	6.6	-0.1	-1.2	47.5
900	312.5	57242.5	2.6	0.5	6.5	0.7	-0.7	47.5
900	325	57255	2.6	1.4	6.5	0.6	-1.3	47.9
900	337.5	57253.1	1.8	1.5	6.5	0.4	-1.7	48.1
900	350	57271.1	2.2	1.4	6.4	0.3	-1.5	48.1
900	362.5	57256.7	3.4	2.8	6.4	0.4	-0.8	48.2
900	375	57247.1	4.1	3	6.6	0.6	-0.7	48.6
900	387.5	57242.6	-0.6	0.6	6.7	-2.6	-1.2	49.1
900	400	57253.7	-2.1	0.2	6.5	-4.7	-1.6	47.9
900	412.5	57258.9	-1.6	1.1	6.4	-3.7	-0.2	46.7
900	425	57276.6	0.3	1.8	6.4	-1.3	1.2	46.4
900	437.5	57273.3	-0.3	-0.2	6.4	-0.3	1	47.4

900	450	57274.3	-0.5	-0.5	6.3	-1.1	-0.3	48
900	462.5	57271.7	1.4	-1	6.2	-1	-1.6	48
900	475	57265.2	2.7	0	6.2	-1.2	-2.4	48.9
900	487.5	57267.1	3.1	0.3	6.2	-1.5	-2.5	48.9
900	500	57222.1	4.8	1.2	6.2	-1.3	-3.2	49.5
line 1000								
1000	-500	57348	-1.7	4.8	5.8	4.1	3.2	39.9
1000	-487.5	57321.4	2.7	6.9	5.8	7.3	4.3	39.9
1000	-475	57344.8	6	7.9	6.1	9.9	5.7	40.4
1000	-462.5	57222.8	1.1	1.9	6.2	6.1	0.5	40.3
1000	-450	57250	-0.3	-0.5	6.1	5.9	-0.8	39.6
1000	-437.5	57292.3	1.1	-0.7	6	7.4	-1	39.2
1000	-425	57319.3	2.7	0.3	6	9.2	-0.7	39.6
1000	-412.5	57212.8	3.3	0.2	6	9.5	-1.5	39.1
1000	-400	57224.9	3.5	0	6	9.1	-2	40
1000	-387.5	57243.9	4.2	0.8	6	10	-1.5	40.3
1000	-375	57261.9	4.6	0	6.1	10.4	-2.5	40.7
1000	-362.5	57272.3	-0.5	-4.4	6.3	6.8	-5.2	42.1
1000	-350	57276.4	-1.4	-8	5.8	7	-5.9	41
1000	-337.5	57265.2	1	-5.6	5.7	7.8	-3.4	41.5
1000	-325	57227.3	2.2	-5.2	5.5	7.7	-4.9	41.5
1000	-312.5	57232.5	5.2	-3.2	5.4	7.9	-3.8	41.8
1000	-300	57245.1	5	-3.2	5.5	8.4	-3.2	42.6
1000	-287.5	57229.4	8.5	-5.4	5.3	8.6	-3	42.9
1000	-275	57227.1	10.3	-2.7	5.3	8.6	-2.3	43
1000	-262.5	57212.9	13	-3.8	5.3	10.1	1	43.7
1000	-250	57219	14.4	-2.1	5.3	9.7	-0.4	44.4
1000	-237.5	57238.8	16.7	-2.1	5.4	9.1	1	44.8
1000	-225	57286.1	17.5	-1.7	5.5	9.8	1.9	45.1
1000	-212.5	57272	18.8	-0.4	5.7	9.4	1.9	46.2
1000	-200	57243.8	19	-2.3	5.8	8.9	1.7	46.3
1000	-187.5	57233.5	18	-4.3	5.8	8.1	1.6	47.1
1000	-175	57242.9	16.1	-4.8	6	7.1	1.4	46.9
1000	-162.5	57262.7	15.5	-5.1	6	5.2	0	46.8
1000	-150	57283.1	13.9	-6.6	6	3.9	-1	46.3
1000	-137.5	57278.8	15.1	-6	5.9	4.2	-2	45.9
1000	-125	57286.8	16.6	-4.8	5.9	4.9	-1.8	46
1000	-112.5	57238.8	17.6	-3.2	6.2	5.2	-1.4	45.6
1000	-100	57234.5	15.9	-3.4	6.3	4.7	-1.4	45.3
1000	-87.5	57241.5	14.7	-4	6.4	4	-1.9	45.4
1000	-75	57242.1	8.9	-5.7	6.5	2.9	-1.6	44.7
1000	-62.5	57250.9	9.9	-6.8	6.1	3	-1.4	44.4
1000	-50	57240.7	14	-5.6	6.1	2.4	-2.5	44.2
1000	-37.5	57246.6	21.4	-1.4	6.5	2.9	-3.7	44.2
1000	-25	57254.9	12	-2.5	7.5	1.1	-5.6	43.9
1000	-12.5	57268.3	-3.6	-4	6.7	1	-6.3	43.6
1000	0	57300.9	-2.6	-3.2	6.3	2.1	-5.1	43.8
1000	12.5	57280.6	2	-1.6	5.9	5.8	-4	43.9
1000	25	57238.3	6.7	1.7	5.8	8.6	-2.5	44.4
1000	37.5	57244.9	11.5	4.1	5.9	9.8	-2.6	45.7
1000	50	57259.4	11.2	-2.3	6.2	7.7	-4.5	45.2
1000	62.5	57251.8	14.7	-0.7	6.3	9.3	-3.8	45.8
1000	75	57254.5	9.8	-4.3	6.5	4.7	-6.9	48.2
1000	87.5	57245.7	8.7	-4.6	6.3	1.4	-9.1	48.1
1000	100	57253.2	10.2	-1.5	6.3	1.8	-8.2	47.8
1000	112.5	57266.7	11.5	0	6.5	3.9	-6.5	48.5
1000	125	57316.9	4.5	-1	6.7	6.1	-5.1	48.9
1000	137.5	57256.4	2.7	-1.2	6.7	8.7	-3.8	49.2
1000	150	57238.4	-3.3	-3.2	6.6	4.3	-4.6	48.7
1000	162.5	57248.3	-4.8	-0.6	6.3	2.8	-3.3	47.9

1000	175	57267.5	-2.2	1.2	6.2	2.3	-2.1	47.3
1000	187.5	57272.4	-1.6	1.6	6.1	1.3	-2	47.4
1000	200	57280.3	-3.7	0	6.1	-0.1	-1.3	46.8
1000	212.5	57271.9	-2.8	0	5.7	-1.5	-1.7	45.6
1000	225	57257	2	1	5.6	-0.1	-0.4	44.7
1000	237.5	57237.2	3.1	-0.2	5.5	0	-0.3	44.5
1000	250	57254.3	7.9	0.8	5.4	1.8	-0.2	44.3
1000	262.5	57251.1	12.8	1.1	5.6	3.8	0.2	44.1
1000	275	57247.8	13.8	-1	5.7	4.1	-0.1	44.4
1000	287.5	57258.8	12.9	-2.7	6	5.4	0.1	45.2
1000	300	57260.6	11.3	-4	5.9	5.6	-0.1	45.7
1000	312.5	57259.6	13.2	-3.2	5.8	6.1	0.3	45.5
1000	325	57256.1	14.6	-3.4	6	7.1	1.3	46.2
1000	337.5	57265.6	14.8	-3.7	6.1	7.2	-1.1	46.7
1000	350	57265.5	11.3	-2.7	6.2	6.5	-0.7	46.9
1000	362.5	57264.5	9.2	-3.9	6.2	6.5	-2.1	46.6
1000	375	57263.6	7.6	-3.4	6.1	5.8	-2.6	45.9
1000	387.5	57258.3	7.7	-2.7	6.1	7.4	-2.7	46.1
1000	400	57252.2	4.9	-4.7	5.9	6.7	-2.6	46.1
1000	412.5	57279.2	7	-3	5.8	7.4	-4.5	45.5
1000	425	57256.2	11.7	-1.4	5.8	9.2	-4.3	46.7
1000	437.5	57241.9	13.6	-0.4	6.1	10.1	-4	47.9
1000	450	57241.4	8	-3.4	6.4	5.9	-4.1	49.8
1000	462.5	57256.8	3.9	-3.4	6.4	1.6	-2.9	49.5
1000	475	57258.5	1.7	-2	6.2	-0.6	-1.7	49.3
1000	487.5	57254.6	1.7	0.3	6	-3.1	-2	48.9
1000	500	57255.4	2.8	1.3	5.9	-3.4	-1.2	48