



DUAL INDUCTION LOG

BEACHNER BROS # 34-29-20-1

COMPANY: FOSTRICK ENERGY CORPORATION
 WELL: BEACHNER BROS # 34-29-20-1
 FIELD: CHEROKEE BASIN CMB
 COUNTY: NEOSHO
 STATE: KANSAS

LOCATION: 21441 FSJ / 1850' P.M. SE 1/4 N.W. 34
 SECTION: 24
 TOWNSHIP: 29S
 RANGE: 20E

APR NO: 15-1332766-00-00
 UNIQUE WELL ID: 33343

PERMANENT DATUM: 3L
 LOG MEASURED FROM: 3L
 DLI MEASURED FROM: 3L

DATE: 07/07/11
 DEPTH DRILLER: 459
 BIT SIZE: 7.875"
 LOG TOP: 0.00
 LOG BOTTOM: 452.40

CASING BOTTOM: 22'
 CASING TYPE: STEEL
 BOREHOLE FLUID: WATER
 BOREHOLE TEMPERATURE: 45
 MUD RES: 2
 MUD WEIGHT: 8.3
 WITNESSED BY: WILSON, D

RECORDED BY: WILSON, D
 REMARKS 1: THANK YOU
 REMARKS 2: ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

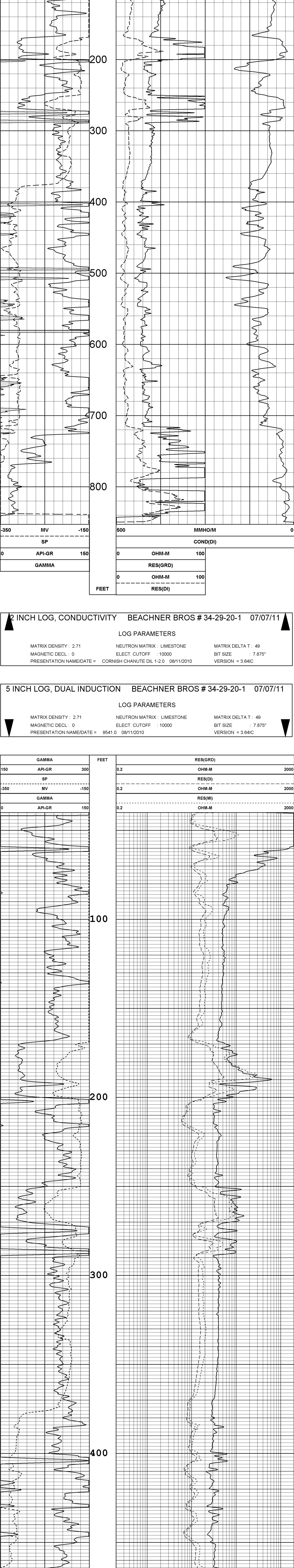
OTHER SERVICES:
 CDI
 CNI
 D TEMP

ELEVATION AB: :
 ELEVATION OF: : 309'
 ELEVATION OF: : 309'

ARRIVAL TIME: :
 DEPARTURE TIME: :
 LOG STOPPED: : 4:52:40

2 INCH LOG, CONDUCTIVITY BEACHNER BROS # 34-29-20-1 07/07/11

MATRIX DENSITY: 2.71 NEUTRON MATRIX: LIMESTONE MATRIX DELTA T: 49
 MAGNETIC DECL: 0 ELECT. CUTOFF: 10000 BIT SIZE: 7.875"
 PRESENTATION NAME/DATE = CORNISH CHANUTE DIL 1-2-0 08/11/2010 VERSION = 3.64IC

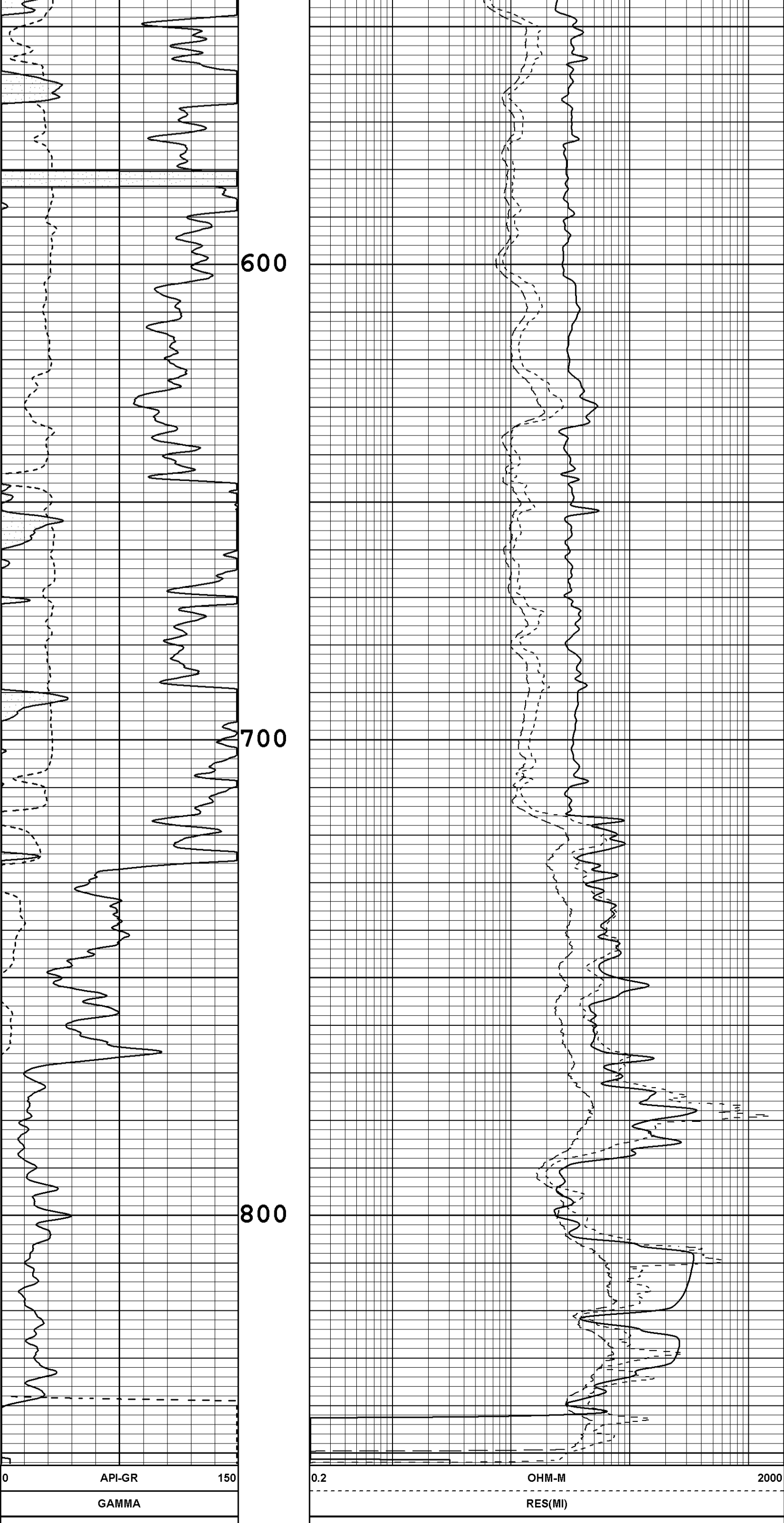


2 INCH LOG, CONDUCTIVITY BEACHNER BROS # 34-29-20-1 07/07/11

MATRIX DENSITY: 2.71 NEUTRON MATRIX: LIMESTONE MATRIX DELTA T: 49
 MAGNETIC DECL: 0 ELECT. CUTOFF: 10000 BIT SIZE: 7.875"
 PRESENTATION NAME/DATE = CORNISH CHANUTE DIL 1-2-0 08/11/2010 VERSION = 3.64IC

5 INCH LOG, DUAL INDUCTION BEACHNER BROS # 34-29-20-1 07/07/11

MATRIX DENSITY: 2.71 NEUTRON MATRIX: LIMESTONE MATRIX DELTA T: 49
 MAGNETIC DECL: 0 ELECT. CUTOFF: 10000 BIT SIZE: 7.875"
 PRESENTATION NAME/DATE = 9541.0 08/11/2010 VERSION = 3.64IC



5 INCH LOG, DUAL INDUCTION BEACHNER BROS # 34-29-20-1 07/07/11

MATRIX DENSITY: 2.71 NEUTRON MATRIX: LIMESTONE MATRIX DELTA T: 49
 MAGNETIC DECL: 0 ELECT. CUTOFF: 10000 BIT SIZE: 7.875"
 PRESENTATION NAME/DATE = 9541.0 08/11/2010 VERSION = 3.64IC



COMPENSATED DENSITY LOG

BEACHNER BROS # 34-29-20-1

COMPANY: POSTROCK ENERGY CORPORATION

WELL: BEACHNER BROS # 34-29-20-1

FIELD: CHEROKEE BASIN CBM

COUNTY: NEOSHO

STATE: KANSAS

LOCATION: 2140' FSL / 1850' FML SE W/4 NE SW/4

SECTION: 34

TOWNSHIP: 28S

RANGE: 20E

API NO.: 15-133-27569-00-00

LICENSE NO.: 33343

PERMANENT DATUM: -GL

LOG MEASURED FROM: GL

DRL MEASURED FROM: GL

DATE: 07/07/11

DEPTH DRILLER: 856'

BIT SIZE: 7.875"

LOG TOP: 0.70

LOG BOTTOM: 855.70

CASING OD: 8.625"

CASING BOTTOM: 22'

CASING TYPE: STEEL

BOREHOLE FLUID: WATER

RTI TEMPERATURE: 85

MUD RES: 2

MUD WEIGHT: 8.3

WITNESSED BY: RECOY, K

RECORDED BY: WILSON, D

REMARKS 1: :

REMARKS 2: :THANK YOU!

OTHER SERVICES:
CNL
DIL
D TEMP

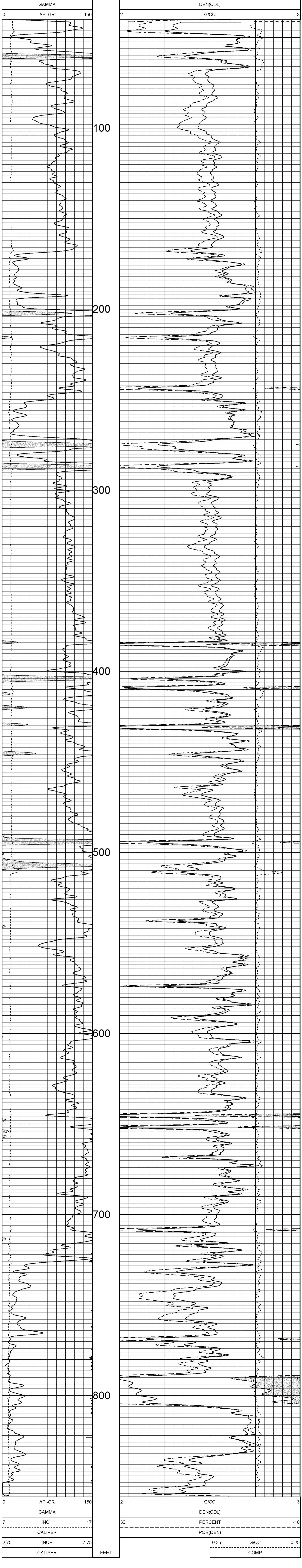
5 INCH LOG, DENSITY BEACHNER BROS # 34-29-20-1 07/07/11

LOG PARAMETERS

MATRIX DENSITY : 2.71
MAGNETIC DECL : 0
PRESENTATION NAME/DATE = 0020AX.0 10/02/2008

NEUTRON MATRIX : LIMESTONE
ELECT. CUTOFF : 10000

MATRIX DELTA T : 49
BIT SIZE : 7.875"
VERSION = 3.64EP



CALIPER	INCH	7.75
CALIPER	INCH	17
GAMMA	API-GR	150

COMP	G/CC	0.25
POR(DEN)	PERCENT	-10
DEN(CDL)	G/CC	3

API-GR	150	
GAMMA	INCH	17
CALIPER	INCH	7.75
CALIPER	INCH	7.75

G/CC	3	
DEN(CDL)	PERCENT	-10
POR(DEN)	G/CC	0.25
COMP		

5 INCH LOG, DENSITY BEACHNER BROS # 34-29-20-1 07/07/11

LOG PARAMETERS

MATRIX DENSITY : 2.71
MAGNETIC DECL : 0
PRESENTATION NAME/DATE = 0020AX.0 10/02/2008

NEUTRON MATRIX : LIMESTONE
ELECT. CUTOFF : 10000

MATRIX DELTA T : 49
BIT SIZE : 7.875"
VERSION = 3.64EP



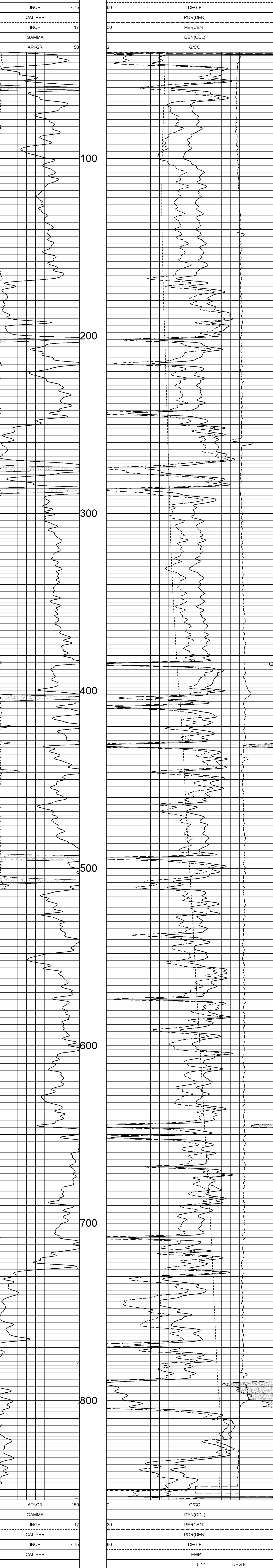
DIFFERENTIAL TEMPERATURE / DENSITY LOG
BEACHNER BROS # 34-29-20-1

COMPANY	POSTROCK ENERGY CORPORATION	OTHER SERVICES:	CNL
WELL	BEACHNER BROS # 34-29-20-1	DIL	
COUNTY	CHEROKEE BASIN CBM	D TEMP	
STATE	NEOSHO		
LOCATION	KANSAS		
SECTION	2140 FSU, 1850 PML SE NW/NE SW		
TOWNSHIP	34		
RANGE	20S		
API NO.	20E		
UNIQUE WELL ID	15-133-27558-00-00		
PERMANENT DATUM	33343	ELEVATION KB	
LOG MEASURED FROM	GL	ELEVATION DF	
DRL MEASURED FROM	GL	ELEVATION GL	908'
DATE	07/07/11	RIG NUMBER	
DEPTH DRILLER	888	LOGGER TD	
BIT SIZE	7.875"	ARRIVAL TIME	
LOG TOP	0.70	DEPARTURE TIME:	
LOG BOTTOM	855.70	CIRC STOPPED	
CASING OD	8.625"		
CASING BOTTOM	22'		
CASING TYPE	STEEL		
BOREHOLE FLUID	WATER		
RTI TEMPERATURE	85		
MUD RES	2		
MUD WEIGHT	8.3		
WITNESSED BY	RECOY, K.		
RECORDED BY	WILSON, D.		
REMARKS 1			
REMARKS 2	THANK YOU!		

5 INCH LOG, DELTA TEMP BEACHNER BROS # 34-29-20-1 07/07/11

LOG PARAMETERS

MATRIX DENSITY : 2.71	NEUTRON MATRIX : LIMESTONE	MATRIX DELTA T : 49
MAGNETIC DECL : 0	ELECT. CUTOFF : 10000	BIT SIZE : 7.875"
PRESENTATION NAME/DATE =	CORNISH CHANUTE CDL D TEMP 5.0 10/03/2008	VERSION = 3.641C



5 INCH LOG, DELTA TEMP BEACHNER BROS # 34-29-20-1 07/07/11

LOG PARAMETERS

MATRIX DENSITY : 2.71	NEUTRON MATRIX : LIMESTONE	MATRIX DELTA T : 49
MAGNETIC DECL : 0	ELECT. CUTOFF : 10000	BIT SIZE : 7.875"
PRESENTATION NAME/DATE =	CORNISH CHANUTE CDL D TEMP 5.0 10/03/2008	VERSION = 3.641C



July 6, 2011
Jim Hemmen
KCC- Conservation Division
130 S. Market – Room 2078
Wichita, KS 67202

Mr. Hemmen:

Post Rock Midcontinent LLC intends to vent Coal Bed Methane gas for longer than 7 days in order to determine the economic feasibility of connecting this location to existing pipelines. The well which will be the only supplier of the vented gas is the Beachner Bros 34-29-20-1 located in the NE SW, approximately 2140 FNL and 1850 FEL, in Neosho County, KS. Venting operations are not expected to release more than 50 mscf/day. At that point the well will be deemed economic and connected to existing pipeline infrastructure.

Existing gathering system is located approximately 5,000' from well location. Initial gas samples have yet to be measured, and a detailed analysis will be sent to you as soon as the well is completed.

Neosho County LEPC Chairperson, Jim Keath will be notified upon the commencement of venting operations.

Regards,

A handwritten signature in black ink, appearing to read 'Jeff Buterbaugh'.

Jeff Buterbaugh

SR. Production Engineer

210 Park Avenue, Suite 2750
Oklahoma City, OK 73102
MAIN: (405) 600-7704
FAX: (405) 600-7756
WEB: www.pstr.com **NASDAQ:** PSTR

~Version Information

VERS. 2.0: CWLS LOG ASCII STANDARD -VERSION 2.0
 WRAP. NO: ONE LINE PER DEPTH STEP

~WELL INFORMATION BLOCK

#MNEM.UNIT	DATA	DESCRIPTION OF MNEMONIC
STRT.FT	0.000	:START DEPTH
STOP.FT	855.700	:STOP DEPTH
STEP.FT	0.100	:STEP UP_HOLE
NULL.	-999.25	:NULL VALUE
COMP.	POSTROCK ENERGY CORPORATION	:COMPANY
WELL.	BEACHNER BROS # 34-29-20-1	
:WELL		
FLD .	CHEROKEE BASIN CBM	:FIELD\LOCATION
LOC .	34 29S 20E	:LOCATION
CNTY.	NEOSHO	:COUNTY
STAT.	KANSAS	:STATE
CTRY.	USA	:COUNTRY
SRVC.		:SERVICE COMPANY
DATE.	07/07/2011	:LOG DATE
API .	15-133-27558-00-00	:API NUMBER
LIC .		:LICENSE NUMBER

~Curve Information Block

#MNEM.UNIT	API CODE	Curve Description
DEPT .FT	00 001 00 00	: 1 DEPTH
COND(DI) .MMHO/M	00 000 00 00	: 2 DEEP INDUCTION COND
SP .MV	00 010 00 00	: 3 SPON POTENTIAL
RES(DI) .OHM-M	00 120 00 00	: 4 DEEP INDUCTION RES
RES(MI) .OHM-M	00 120 00 00	: 5 MED INDUCTION RES
GAMMA .API-GR	00 310 00 00	: 6 GAMMA RAY
COMP .G/CC	00 356 00 00	: 7 DEN COMPENSATION
CALIPER .INCH	00 280 00 00	: 8 SHORT ARM CALIPER
DEN(CDL) .G/CC	00 350 00 00	: 9 COMPENSATED DENSITY
TEMP .DEG F	00 660 00 00	: 10 TEMPERATURE
POR(DEN) .PERCENT	00 890 00 00	: 11 DENSITY POROSITY
DEL TEMP .DEG F	00 000 00 00	: 12 SAMPLE DELTA TEMP
POR(NEU) .PERCENT	00 330 00 00	: 13 NEUTRON POROSITY

~Parameter Information Block

#MNEM.UNIT	Information	Description
FILE.	PROCESSED	:File Type
FIID.	9541	:File Type Identifier
VERS.	3.60B	:System Version
SER .	1	:System Serial Number
TRUK.	.3879	:Truck Calibration Number
TOOL.	455	:Tool Serial Number
TIME.	1740	:Time HrHrMinMin
LAT .		:Latitude
LON .		:Longitude
LMF .	GL	:Log Measured From
DMF .	GL	:Driller Measured From
PD .	GL	:Permanent Data
PDEV.	909'	:Elevation Permanent Data

```

EKB .M           :Elevation Kelly Bushing
ELEV.DF          :Elevation DF
EGL .M           909' :Elevation Ground Level
DRDP.            856' :Driller's Depth
CASD.            :Casing Diameter
CASB.            22'  :Casing Bottom
CASX.            STEEL :Casing Type
CAST.            :Casing Thickness
TNOC.            :Time Circulation Stopped
LOGU.            208  :Logging Unit
RECB.            WILSON, D. :Recorded By
OSR1.            CDL   :Other Services
OSR2.            CNL   :Other Services
OSR3.            D. TEMP :Other Services
BS .IN           7.875" :Bit Size
MST .            :Mean Surface Temperature
TGRD.            :Temperature Gradient
MAGN.            0     :Magnetic Declination
MDEN.            2.71  :Density Matrix
MATR.            LIMESTONE :Neutron Matrix
DTMT.            49   :Delta T Matrix
DTFL.            :Delta T Fluid
MUDS.            :Mud Sample Source
MRS .            2     :Mud Resistivity
MTP .            85   :Mud Temperature
MFRS.            :Resistivity Mud Filtrate
MFTP.            :Temperature Mud Filtrate
MCRS.            :Resistivity Mud Cake
MCTP.            :Temperature Mud Cake
FTYP.            WATER :Fluid Type
FD .LB/G         8.3  :Mud Weight
DFV .S           :Fluid Viscosity
FPH .            :Fuild PH
ELCO.            10000 :Electron Cutoff
CASL.            8.62  :Casing Logger
LOTD.            :Logger TD
ARTM.            :Arrival Time
DPTM.            :Departure Time
RIGN.            :Rig Number

```

~Other Information

```

#MNEM.UNIT Information Description
#-----
# -----

```

~A DEPTH	COND(DI)	SP	RES(DI)	RES(MI)	GAMMA	COMP	CALIPER
DEN(CDL)	TEMP	POR(DEN)	DEL	TEMP	POR(NEU)		
0.000	-999.25	-283.9	-999.25	-999.25	111.0	-999.25	-999.25 -
999.25	-999.25	-999.25	-999.25	-999.25			
0.100	-999.25	-300.1	-999.25	-999.25	111.5	-999.25	-999.25 -
999.25	-999.25	-999.25	-999.25	-999.25			
0.200	-999.25	-298.8	-999.25	-999.25	111.4	-999.25	-999.25 -
999.25	-999.25	-999.25	-999.25	-999.25			
0.300	-999.25	-292.7	-999.25	-999.25	110.1	-999.25	-999.25 -
999.25	-999.25	-999.25	-999.25	-999.25			

0.400	-999.25	-295.2	-999.25	-999.25	109.9	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
0.500	-999.25	-302.4	-999.25	-999.25	114.8	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
0.600	-999.25	-311.2	-999.25	-999.25	111.8	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
0.700	-999.25	-330.3	-999.25	-999.25	108.8	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
0.800	-999.25	-344.8	-999.25	-999.25	110.0	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
0.900	-999.25	-359.4	-999.25	-999.25	113.0	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
1.000	-999.25	-370.1	-999.25	-999.25	115.1	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
1.100	-999.25	-365.0	-999.25	-999.25	117.0	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
1.200	-999.25	-366.8	-999.25	-999.25	117.7	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
1.300	-999.25	-367.3	-999.25	-999.25	119.0	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
1.400	-999.25	-361.2	-999.25	-999.25	118.5	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
1.500	-999.25	-350.2	-999.25	-999.25	115.9	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
1.600	-999.25	-336.1	-999.25	-999.25	114.6	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
1.700	-999.25	-319.7	-999.25	-999.25	114.4	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
1.800	-999.25	-300.1	-999.25	-999.25	117.0	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
1.900	-999.25	-280.4	-999.25	-999.25	119.2	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
2.000	-999.25	-258.9	-999.25	-999.25	116.8	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
2.100	-999.25	-240.7	-999.25	-999.25	119.4	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
2.200	-999.25	-225.4	-999.25	-999.25	122.0	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
2.300	-999.25	-200.5	-999.25	-999.25	120.3	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
2.400	-999.25	-182.2	-999.25	-999.25	119.8	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
2.500	-999.25	-174.8	-999.25	-999.25	114.8	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
2.600	-999.25	-167.2	-999.25	-999.25	113.1	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
2.700	-999.25	-159.0	-999.25	-999.25	113.3	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
2.800	-999.25	-152.3	-999.25	-999.25	112.0	-999.25	-999.25	-
999.25	-999.25	-999.25	-999.25	-999.25				
2.900	-999.25	-151.2	-999.25	-999.25	109.7	-999.25	-999.25	-
999.25	-999.25	-999.25	-0.03	-999.25				
3.000	-999.25	-157.9	-999.25	-999.25	114.0	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				

3.100	-999.25	-173.0	-999.25	-999.25	113.1	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
3.200	-999.25	-187.8	-999.25	-999.25	113.1	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
3.300	-999.25	-207.3	-999.25	-999.25	110.5	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
3.400	-999.25	-241.0	-999.25	-999.25	109.9	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
3.500	-999.25	-276.6	-999.25	-999.25	109.2	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
3.600	-999.25	-308.8	-999.25	-999.25	108.8	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
3.700	-999.25	-337.9	-999.25	-999.25	107.9	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
3.800	-999.25	-366.9	-999.25	-999.25	109.0	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
3.900	-999.25	-398.0	-999.25	-999.25	108.1	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
4.000	-999.25	-427.0	-999.25	-999.25	112.0	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
4.100	-999.25	-450.1	-999.25	-999.25	112.9	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
4.200	-999.25	-464.1	-999.25	-999.25	111.6	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
4.300	-999.25	-471.9	-999.25	-999.25	113.1	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
4.400	-999.25	-471.8	-999.25	-999.25	112.5	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
4.500	-999.25	-469.2	-999.25	-999.25	108.4	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
4.600	-999.25	-456.5	-999.25	-999.25	110.5	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
4.700	-999.25	-445.0	-999.25	-999.25	111.4	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
4.800	-999.25	-423.3	-999.25	-999.25	114.4	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.06	-999.25				
4.900	-999.25	-394.0	-999.25	-999.25	112.3	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
5.000	-999.25	-358.6	-999.25	-999.25	112.7	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
5.100	-999.25	-320.6	-999.25	-999.25	111.0	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
5.200	-999.25	-283.1	-999.25	-999.25	112.7	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
5.300	-999.25	-246.4	-999.25	-999.25	115.3	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
5.400	-999.25	-211.3	-999.25	-999.25	114.6	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
5.500	-999.25	-176.9	-999.25	-999.25	110.7	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
5.600	-999.25	-141.4	-999.25	-999.25	113.5	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				
5.700	-999.25	-117.1	-999.25	-999.25	115.7	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.05	-999.25				

5.800	-999.25	-94.8	-999.25	-999.25	116.6	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
5.900	-999.25	-85.0	-999.25	-999.25	115.3	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
6.000	-999.25	-82.4	-999.25	-999.25	116.6	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
6.100	-999.25	-82.5	-999.25	-999.25	112.7	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
6.200	-999.25	-85.4	-999.25	-999.25	112.0	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
6.300	-999.25	-90.1	-999.25	-999.25	109.7	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
6.400	-999.25	-96.8	-999.25	-999.25	113.3	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
6.500	-999.25	-105.3	-999.25	-999.25	112.3	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
6.600	-999.25	-114.9	-999.25	-999.25	113.5	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
6.700	-999.25	-128.1	-999.25	-999.25	113.5	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
6.800	-999.25	-142.4	-999.25	-999.25	109.2	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.03	-999.25				
6.900	-999.25	-157.4	-999.25	-999.25	109.4	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.03	-999.25				
7.000	-999.25	-173.2	-999.25	-999.25	112.7	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.03	-999.25				
7.100	-999.25	-188.3	-999.25	-999.25	110.7	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
7.200	-999.25	-202.1	-999.25	-999.25	109.7	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
7.300	-999.25	-213.5	-999.25	-999.25	108.1	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
7.400	-999.25	-221.9	-999.25	-999.25	109.2	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
7.500	-999.25	-227.5	-999.25	-999.25	108.6	-0.078	-999.25	-
999.25	-999.25	-999.25	-0.04	-999.25				
7.600	-999.25	-231.1	-999.25	-999.25	113.3	-0.078	-999.25	2.21
-999.25	31.0	-0.04	-0.3					
7.700	-999.25	-234.6	-999.25	-999.25	112.3	-0.078	-999.25	2.25
-999.25	28.5	-0.04	-0.2					
7.800	-999.25	-234.7	-999.25	-999.25	113.8	-0.077	-999.25	2.27
-999.25	27.6	-0.04	-0.3					
7.900	-999.25	-231.2	-999.25	-999.25	110.1	-0.077	-999.25	2.25
-999.25	28.4	-0.04	-0.3					
8.000	-999.25	-222.7	-999.25	-999.25	107.7	-0.077	-999.25	2.25
-999.25	28.4	-0.04	-0.3					
8.100	-999.25	-209.5	-999.25	-999.25	108.6	-0.077	-999.25	2.24
-999.25	29.3	-0.04	-0.2					
8.200	-999.25	-194.2	-999.25	-999.25	108.6	-0.078	-999.25	2.24
-999.25	29.5	-0.04	-0.2					
8.300	-999.25	-177.7	-999.25	-999.25	112.3	-0.078	8.2	2.24
70.0	29.5	-0.04	-0.2					
8.400	-999.25	-162.3	-999.25	-999.25	112.7	-0.078	8.2	2.24
70.0	29.5	-0.04	-0.2					

8.500	-999.25	-148.4	-999.25	-999.25	112.5	-0.078	8.2	2.24
70.0	29.5	-0.04	-0.2					
8.600	-999.25	-135.4	-999.25	-999.25	116.8	-0.078	8.2	2.24
70.0	29.4	-0.03	-0.1					
8.700	-999.25	-122.7	-999.25	-999.25	119.4	-0.078	8.2	2.23
70.0	29.8	-0.03	-0.1					
8.800	-999.25	-109.1	-999.25	-999.25	121.6	-0.078	8.2	2.23
70.0	29.9	-0.03	-0.1					
8.900	-999.25	-95.3	-999.25	-999.25	124.4	-0.078	8.2	2.22
70.0	30.2	-0.03	-0.1					
9.000	-999.25	-84.0	-999.25	-999.25	128.5	-0.078	8.2	2.22
70.0	30.3	-0.03	-0.1					
9.100	-999.25	-77.0	-999.25	-999.25	131.5	-0.079	8.2	2.22
70.0	30.3	-0.03	-0.1					
9.200	-999.25	-74.1	-999.25	-999.25	138.6	-0.079	8.2	2.21
70.0	30.8	-0.03	-0.1					
9.300	-999.25	-74.2	-999.25	-999.25	144.7	-0.079	8.2	2.21
69.9	31.0	-0.03	-0.0					
9.400	-999.25	-77.1	-999.25	-999.25	155.1	-0.079	8.2	2.21
69.9	31.1	-0.03	-0.0					
9.500	-999.25	-81.8	-999.25	-999.25	164.6	-0.079	8.2	2.20
69.9	31.6	-0.03	0.0					
9.600	-999.25	-88.8	-999.25	-999.25	173.5	-0.079	8.2	2.20
69.9	31.7	-0.03	0.0					
9.700	-999.25	-97.2	-999.25	-999.25	186.4	-0.079	8.2	2.20
69.9	31.7	-0.03	0.0					
9.800	-999.25	-106.2	-999.25	-999.25	199.0	-0.079	8.2	2.20
69.9	31.9	-0.03	0.0					
9.900	-999.25	-115.3	-999.25	-999.25	206.1	-0.079	8.2	2.19
69.9	32.4	-0.03	0.0					
10.000	-999.25	-124.4	-999.25	-999.25	220.4	-0.079	8.2	2.18
69.9	32.6	-0.03	0.0					
10.100	-999.25	-132.5	-999.25	-999.25	228.0	-0.080	8.2	2.18
69.9	33.1	-0.03	0.0					
10.200	-999.25	-143.1	-999.25	-999.25	236.0	-0.080	8.2	2.18
69.9	33.2	-0.03	0.0					
10.300	-999.25	-155.8	-999.25	-999.25	242.0	-0.080	8.2	2.17
69.9	33.4	-0.03	0.0					
10.400	-999.25	-169.8	-999.25	-999.25	251.1	-0.080	8.2	2.17
69.9	33.6	-0.03	0.0					
10.500	68.0	-188.2	14.7	-999.25	253.7	-0.081	8.2	2.16
69.9	33.9	-0.03	0.0					
10.600	68.7	-213.3	14.6	-999.25	252.0	-0.081	8.2	2.16
69.9	34.3	-0.03	-0.0					
10.700	69.6	-242.1	14.4	-999.25	252.2	-0.081	8.2	2.16
69.9	34.4	-0.03	-0.0					
10.800	70.3	-271.7	14.2	-999.25	248.3	-0.081	8.2	2.15
69.9	34.7	-0.03	-0.0					
10.900	70.8	-300.8	14.1	-999.25	240.3	-0.081	8.2	2.15
69.9	34.9	-0.03	-0.1					
11.000	70.1	-303.7	14.3	-999.25	237.7	-0.081	8.2	2.15
69.9	35.0	-0.03	-0.1					
11.100	70.2	-295.4	14.2	-999.25	230.6	-0.082	8.2	2.14
69.9	35.2	-0.03	-0.1					

11.200	69.1	-286.2	14.5	-999.25	219.5	-0.082	8.2	2.13
69.9	35.8	-0.03	-0.2					
11.300	69.4	-274.4	14.4	-999.25	209.4	-0.082	8.2	2.13
69.9	35.8	-0.03	-0.2					
11.400	69.3	-260.1	14.4	-999.25	201.8	-0.082	8.2	2.14
69.9	35.6	-0.02	-0.2					
11.500	69.7	-243.9	14.3	-999.25	187.1	-0.081	8.2	2.14
69.9	35.6	-0.02	-0.3					
11.600	69.0	-222.0	14.5	-999.25	176.5	-0.081	8.2	2.14
69.9	35.7	-0.03	-0.3					
11.700	67.6	-191.8	14.8	-999.25	163.5	-0.080	8.2	2.13
69.9	36.0	-0.02	-0.3					
11.800	67.2	-155.3	14.9	-999.25	154.6	-0.080	8.2	2.12
69.9	36.3	-0.03	-0.3					
11.900	67.3	-116.7	14.9	-999.25	144.3	-0.080	8.2	2.12
69.9	36.6	-0.03	-0.3					
12.000	68.7	-78.0	14.6	-999.25	138.0	-0.080	8.2	2.11
69.9	37.2	-0.02	-0.3					
12.100	69.6	-65.1	14.4	-999.25	131.9	-0.080	8.2	2.10
69.9	37.6	-0.02	-0.3					
12.200	70.1	-63.4	14.3	-999.25	123.7	-0.080	8.2	2.09
69.8	38.3	-0.02	-0.3					
12.300	70.3	-63.2	14.2	-999.25	117.0	-0.080	8.2	2.08
69.9	39.2	-0.02	-0.3					
12.400	70.4	-63.1	14.2	-999.25	112.3	-0.080	8.2	2.07
69.9	39.8	-0.02	-0.3					
12.500	70.2	-62.9	14.2	-999.25	107.1	-0.079	8.2	2.06
69.9	40.3	-0.02	-0.3					
12.600	69.7	-62.6	14.3	-999.25	103.6	-0.079	8.2	2.06
69.8	40.5	-0.02	-0.3					
12.700	69.0	-62.4	14.5	-999.25	100.1	-0.078	8.2	2.05
69.9	40.8	-0.01	-0.2					
12.800	68.4	-62.1	14.6	-999.25	96.2	-0.078	8.1	2.04
69.8	41.4	-0.01	-0.2					
12.900	67.7	-61.8	14.8	-999.25	91.9	-0.079	8.2	2.04
69.8	41.8	-0.02	-0.2					
13.000	67.5	-61.3	14.8	-999.25	90.0	-0.079	8.2	2.03
69.8	42.2	-0.01	-0.2					
13.100	68.4	-60.7	14.6	-999.25	86.9	-0.078	8.2	2.03
69.8	42.0	-0.01	-0.2					
13.200	69.8	-60.1	14.3	2.6	87.2	-0.078	8.2	2.04
69.8	41.4	-0.01	-0.3					
13.300	70.4	-59.6	14.2	2.4	86.1	-0.078	8.1	2.05
69.8	40.7	-0.01	-0.3					
13.400	71.0	-59.0	14.1	2.3	86.9	-0.078	8.2	2.07
69.8	39.6	-0.01	-0.3					
13.500	70.8	-58.3	14.1	2.2	86.9	-0.078	8.2	2.09
69.8	38.6	-0.01	-0.3					
13.600	71.7	-57.5	14.0	2.2	91.1	-0.078	8.2	2.11
69.8	37.3	-0.01	-0.4					
13.700	71.8	-56.6	13.9	2.2	91.3	-0.077	8.2	2.13
69.8	36.1	-0.01	-0.4					
13.800	72.3	-55.9	13.8	2.2	92.4	-0.077	8.2	2.15
69.8	35.0	-0.01	-0.4					

13.900	71.9	-55.4	13.9	2.1	93.7	-0.077	8.2	2.16
69.8	34.0	-0.01	-0.4					
14.000	71.5	-55.1	14.0	2.1	91.5	-0.077	8.2	2.17
69.8	33.7	-0.01	-0.4					
14.100	71.2	-55.4	14.0	2.2	89.5	-0.078	8.2	2.17
69.8	33.6	-0.01	-0.5					
14.200	71.1	-56.1	14.1	2.2	88.0	-0.077	8.2	2.18
69.8	33.1	-0.01	-0.5					
14.300	71.0	-58.1	14.1	2.3	85.2	-0.074	8.2	2.18
69.8	32.7	-0.01	-0.5					
14.400	70.4	-63.1	14.2	2.3	86.7	-0.071	8.2	2.18
69.8	32.8	-0.01	-0.5					
14.500	70.1	-69.1	14.3	2.2	84.4	-0.070	8.2	2.18
69.8	33.0	-0.01	-0.6					
14.600	69.9	-74.7	14.3	2.2	85.4	-0.070	8.2	2.18
69.8	33.2	-0.01	-0.6					
14.700	70.0	-80.8	14.3	2.1	88.0	-0.070	8.2	2.18
69.8	33.0	-0.01	-0.6					
14.800	69.9	-88.6	14.3	2.0	86.1	-0.071	8.2	2.19
69.8	32.2	-0.01	-0.6					
14.900	68.4	-93.2	14.6	2.0	82.0	-0.070	8.2	2.20
69.8	31.4	-0.01	-0.6					
15.000	67.3	-93.3	14.9	2.0	78.5	-0.070	8.2	2.22
69.8	30.2	-0.00	-0.7					
15.100	66.5	-93.0	15.0	2.0	77.2	-0.069	8.2	2.24
69.8	29.4	-0.00	-0.7					
15.200	66.6	-92.5	15.0	2.0	79.6	-0.068	8.2	2.25
69.8	28.5	-0.00	-0.7					
15.300	66.6	-92.0	15.0	2.1	81.8	-0.067	8.2	2.27
69.8	27.6	-0.00	-0.7					
15.400	66.7	-90.6	15.0	2.1	82.6	-0.067	8.2	2.28
69.8	26.6	-0.00	-0.7					
15.500	67.0	-86.1	14.9	2.0	84.8	-0.066	8.1	2.31
69.8	25.0	-0.00	-0.7					
15.600	68.0	-80.7	14.7	1.9	86.9	-0.069	8.2	2.33
69.8	23.5	-0.00	-0.7					
15.700	68.9	-76.0	14.5	1.8	87.2	-0.071	8.2	2.35
69.8	22.4	0.00	-0.8					
15.800	69.3	-70.7	14.4	1.7	86.9	-0.072	8.2	2.37
69.8	20.9	-0.00	-0.8					
15.900	69.7	-63.8	14.4	1.6	87.8	-0.071	8.2	2.40
69.8	19.2	-0.00	-0.8					
16.000	69.6	-60.3	14.4	1.5	90.6	-0.070	8.2	2.43
69.8	17.5	-0.00	-0.8					
16.100	69.9	-61.1	14.3	1.4	90.8	-0.070	8.3	2.45
69.8	16.0	0.00	-0.8					
16.200	69.3	-62.2	14.4	1.4	86.5	-0.070	8.3	2.47
69.8	15.1	-0.00	-0.8					
16.300	69.1	-63.1	14.5	1.5	90.2	-0.070	8.3	2.47
69.8	15.1	-0.00	-0.8					
16.400	69.2	-63.7	14.5	1.6	89.8	-0.070	8.3	2.47
69.8	15.1	-0.00	-0.8					
16.500	69.9	-64.0	14.3	1.8	93.4	-0.071	8.3	2.46
69.8	15.3	-0.00	-0.8					

16.600	70.7	-64.2	14.1	1.9	92.8	-0.071	8.3	2.46
69.8	15.5	-0.00	-0.8					
16.700	71.4	-64.4	14.0	2.0	92.1	-0.071	8.3	2.46
69.8	15.2	-0.00	-0.8					
16.800	72.8	-64.6	13.7	2.1	89.5	-0.071	8.3	2.47
69.8	14.9	-0.00	-0.8					
16.900	74.6	-64.8	13.4	2.2	89.5	-0.071	8.2	2.47
69.8	14.9	-0.00	-0.8					
17.000	75.3	-65.1	13.3	2.1	92.1	-0.071	8.3	2.47
69.8	14.7	-0.01	-0.7					
17.100	75.4	-65.1	13.3	2.1	91.9	-0.070	8.3	2.48
69.8	14.2	-0.00	-0.7					
17.200	74.9	-64.9	13.3	2.2	93.4	-0.070	8.3	2.49
69.8	13.7	-0.00	-0.7					
17.300	74.2	-64.7	13.5	2.6	94.3	-0.071	8.3	2.49
69.8	13.6	-0.00	-0.7					
17.400	72.9	-64.5	13.7	-1.3	93.4	-0.071	8.3	2.49
69.8	13.7	-0.00	-0.7					
17.500	71.0	-64.3	14.1	-2.1	93.7	-0.071	8.3	2.50
69.8	13.3	-0.00	-0.6					
17.600	69.7	-63.8	14.3	-2.8	92.8	-0.071	8.3	2.50
69.8	13.3	-0.00	-0.6					
17.700	68.5	-63.4	14.6	-3.4	94.9	-0.070	8.3	2.50
69.8	13.3	-0.00	-0.6					
17.800	67.5	-62.9	14.8	-4.0	91.9	-0.070	8.3	2.50
69.8	13.1	-0.00	-0.6					
17.900	67.0	-62.5	14.9	-4.9	90.4	-0.071	8.3	2.50
69.8	13.1	-0.00	-0.6					
18.000	66.3	-62.2	15.1	-6.3	90.0	-0.070	8.3	2.49
69.8	13.5	-0.00	-0.5					
18.100	65.6	-61.8	15.2	-4.9	92.6	-0.071	8.3	2.49
69.8	13.6	-0.00	-0.5					
18.200	65.9	-61.6	15.2	-1.9	91.3	-0.071	8.3	2.48
69.8	14.1	-0.00	-0.5					
18.300	67.0	-61.4	14.9	-0.8	95.4	-0.072	8.3	2.48
69.8	14.4	-0.00	-0.5					
18.400	68.9	-61.2	14.5	0.0	97.3	-0.072	8.3	2.48
69.8	14.3	-0.00	-0.5					
18.500	69.6	-61.1	14.4	0.8	96.9	-0.072	8.3	2.47
69.8	14.6	0.00	-0.5					
18.600	69.8	-61.2	14.3	1.6	97.5	-0.073	8.3	2.47
69.8	14.9	-0.00	-0.5					
18.700	69.4	-61.8	14.4	2.6	98.8	-0.073	8.3	2.46
69.8	15.3	-0.00	-0.4					
18.800	70.0	-62.9	14.3	5.0	99.9	-0.073	8.3	2.46
69.8	15.4	-0.00	-0.4					
18.900	70.6	-63.8	14.2	2.8	103.2	-0.073	8.3	2.46
69.8	15.3	-0.00	-0.4					
19.000	71.8	-64.4	13.9	2.2	104.5	-0.073	8.3	2.45
69.8	15.9	-0.00	-0.4					
19.100	72.2	-64.4	13.8	2.0	104.5	-0.073	8.3	2.45
69.8	16.3	-0.00	-0.4					
19.200	72.5	-64.2	13.8	1.8	103.4	-0.074	8.3	2.45
69.8	16.4	-0.02	-0.4					

19.300	72.0	-64.1	13.9	1.7	106.2	-0.074	8.3	2.44	
69.8	16.6	-0.02	-0.4						
19.400	72.6	-64.2	13.8	1.6	113.1	-0.073	8.3	2.44	
69.8	16.9	-0.02	-0.4						
19.500	73.0	-64.3	13.7	1.6	112.7	-0.074	8.3	2.44	
69.8	16.8	-0.02	-0.4						
19.600	72.6	-64.4	13.8	1.6	111.8	-0.074	8.3	2.44	
69.8	17.0	-0.02	-0.4						
19.700	70.3	-64.4	14.2	1.6	116.6	-0.074	8.3	2.44	
69.8	16.8	-0.02	-0.3						
19.800	65.9	-64.0	15.2	1.6	115.3	-0.074	8.3	2.44	
69.8	16.9	-0.02	-0.3						
19.900	65.8	-63.3	15.3	1.6	113.5	-0.074	8.3	2.43	
69.8	17.2	-0.02	-0.3						
20.000	79.8	-62.5	13.4	1.7	111.4	-0.074	8.3	2.43	
69.8	17.7	-0.02	-0.3						
20.100	139.3	-62.2	9.2	1.7	114.0	-0.074	8.3	2.41	
69.8	18.7	-0.00	-0.3						
20.200	265.2	-62.5	5.2	1.8	116.4	-0.075	8.3	2.39	
69.8	19.8	-0.00	-0.4						
20.300	473.2	-62.7	2.6	1.9	117.0	-0.075	8.3	2.37	
69.8	21.3	-0.00	-0.4						
20.400	748.9	-62.8	1.5	2.0	116.6	-0.076	8.3	2.34	
69.8	23.1	-0.00	-0.5						
20.500	1048.4	-62.8	1.0	2.2	121.1	-0.076	8.3	2.30	
69.8	25.2	-0.00	-0.5						
20.600	1319.3	-62.8	0.8	2.4	126.7	-0.075	8.3	2.30	
69.8	25.2	-0.00	-0.6						
20.700	1518.2	-62.7	0.7	2.6	132.6	-0.025	8.3	2.27	
69.8	27.1	0.01	-0.6						
20.800	1646.5	-62.5	0.6	2.8	137.8	0.008	8.3	2.24	69.8
29.0	0.01	-0.7							
20.900	1716.6	-62.5	0.6	3.0	139.1	0.041	8.4	2.21	69.6
31.0	0.01	-0.8							
21.000	1744.1	-62.4	0.6	3.2	143.4	0.072	8.4	2.16	69.8
34.1	0.01	-0.8							
21.100	1739.2	-62.3	0.6	3.2	146.4	0.083	8.4	2.11	69.8
37.0	0.01	-0.9							
21.200	1716.8	-62.1	0.6	3.1	144.5	0.086	8.4	2.07	69.8
39.7	0.01	-1.0							
21.300	1693.2	-61.9	0.6	3.0	146.9	0.091	8.4	2.04	69.8
41.5	0.01	-1.0							
21.400	1672.7	-61.6	0.6	3.0	152.6	0.094	8.5	2.02	69.8
42.9	0.01	-1.1							
21.500	1655.3	-61.4	0.6	2.9	156.7	0.098	8.8	2.01	69.8
43.2	0.03	-1.1							
21.600	1640.9	-60.9	0.6	2.8	157.8	0.105	9.1	2.02	69.8
43.0	0.02	-1.2							
21.700	1630.5	-60.4	0.6	2.6	155.9	0.115	9.3	2.03	69.8
42.4	0.02	-1.2							
21.800	1622.2	-59.9	0.6	2.7	158.6	0.125	8.9	2.04	69.8
41.7	0.02	-1.2							
21.900	1613.5	-59.3	0.6	2.1	162.4	0.131	8.6	2.05	69.8
40.8	-0.00	-1.2							

22.000	1607.3	-58.7	0.6	1.6	162.2	0.085	8.2	2.08	69.8
39.2	-0.00	-1.2							
22.100	1603.0	-58.0	0.6	1.1	161.5	0.060	8.1	2.07	69.8
39.7	0.00	-1.2							
22.200	1598.9	-57.5	0.6	0.6	162.1	0.033	8.0	2.09	69.8
38.5	0.00	-1.2							
22.300	1590.2	-57.0	0.6	0.1	161.5	0.005	8.1	2.11	69.8
37.2	0.00	-1.1							
22.400	1574.8	-56.7	0.6	-0.3	161.8	-0.001	8.1	2.14	
69.8	35.3	-0.02	-1.1						
22.500	1548.9	-56.4	0.6	-1.0	163.3	0.005	8.0	2.18	69.8
32.8	-0.02	-1.1							
22.600	1540.1	-56.1	0.6	-1.0	162.4	0.005	8.1	2.23	69.8
30.0	-0.02	-1.1							
22.700	1621.7	-56.0	0.6	-1.2	163.5	0.007	8.0	2.26	69.8
27.8	-0.02	-1.1							
22.800	1874.4	-55.9	0.5	-1.9	165.0	0.009	8.0	2.29	69.8
26.3	0.00	-1.1							
22.900	2269.9	-55.4	0.5	0.8	163.7	0.008	8.0	2.30	69.8
25.3	0.00	-1.1							
23.000	2694.7	-55.0	0.4	1.8	163.0	0.001	8.0	2.31	69.8
25.1	-0.02	-1.1							
23.100	3041.7	-54.8	0.3	2.7	163.4	-0.006	8.1	2.31	
69.8	25.0	-0.02	-1.0						
23.200	3269.0	-54.5	0.3	4.2	166.0	-0.008	8.1	2.31	
70.1	25.0	-0.02	-1.0						
23.300	3338.3	-53.9	0.3	10.1	165.9	-0.006	8.1	2.31	
69.8	24.9	-0.02	-1.0						
23.400	3130.6	-53.3	0.3	7.1	163.4	-0.009	8.0	2.32	
69.8	24.5	0.00	-1.0						
23.500	2624.4	-52.8	0.4	6.5	159.9	-0.012	8.0	2.32	
69.8	24.4	-0.00	-1.0						
23.600	1983.8	-52.5	0.5	2.8	158.7	-0.010	8.0	2.33	
69.5	23.9	-0.00	-1.0						
23.700	1314.0	-52.3	0.9	0.8	156.1	-0.008	8.0	2.33	
69.8	23.3	0.00	-1.0						
23.800	745.6	-52.1	2.4	-2.2	153.9	-0.011	8.0	2.33	
69.8	23.6	0.00	-1.0						
23.900	270.8	-51.9	-2.9	-12.4	152.3	-0.014	8.0	2.33	
69.8	23.8	0.02	-1.0						
24.000	-20.9	-52.1	-5.1	115.8	151.0	-0.015	8.0	2.33	
69.8	23.5	0.02	-1.1						
24.100	-171.8	-52.3	-8.1	127.3	155.1	-0.016	8.0	2.33	
69.8	23.4	0.02	-1.1						
24.200	-246.0	-52.5	-4.2	134.1	153.2	-0.017	8.0	2.33	
69.8	23.6	0.02	-1.0						
24.300	-283.2	-52.7	-3.6	139.9	150.4	-0.018	8.0	2.33	
69.8	23.5	0.01	-1.1						
24.400	-304.0	-52.9	-3.3	145.6	147.9	-0.013	8.0	2.34	
69.8	23.3	0.01	-1.1						
24.500	-316.0	-53.0	-3.2	151.9	145.3	-0.012	8.0	2.34	
69.8	23.0	0.01	-1.1						
24.600	-323.3	-52.9	-3.1	165.2	144.5	-0.012	8.0	2.34	
69.8	22.7	0.01	-1.1						

24.700	-327.2	-52.6	-3.1	35.4	140.2	-0.011	8.0	2.35
69.8	22.4	0.01	-1.1					
24.800	-329.6	-52.4	-3.0	31.3	139.7	-0.008	8.0	2.36
69.8	22.0	0.01	-1.1					
24.900	-331.4	-52.1	-3.0	30.3	136.3	-0.009	8.0	2.36
69.8	21.8	0.01	-1.1					
25.000	-332.8	-51.9	-3.0	29.7	136.3	-0.010	8.0	2.36
69.8	21.5	0.02	-1.1					
25.100	-333.9	-51.7	-3.0	29.7	138.6	-0.010	7.9	2.36
69.8	21.9	0.02	-1.2					
25.200	-334.6	-51.4	-3.0	30.0	136.0	-0.009	8.0	2.36
69.8	21.9	0.02	-1.2					
25.300	-335.2	-51.1	-3.0	30.3	139.1	-0.007	7.9	2.37
69.8	21.2	0.02	-1.2					
25.400	-335.3	-50.8	-3.0	30.9	141.2	-0.004	7.9	2.37
69.8	21.3	0.02	-1.2					
25.500	-335.4	-50.6	-3.0	31.3	138.2	-0.005	8.0	2.37
69.8	21.4	0.02	-1.2					
25.600	-335.5	-50.3	-3.0	31.8	132.4	-0.003	7.9	2.36
69.8	21.5	0.02	-1.2					
25.700	-335.8	-50.0	-3.0	32.6	135.4	-0.004	8.0	2.37
69.8	21.3	0.02	-1.3					
25.800	-336.2	-49.7	-3.0	32.7	137.6	-0.002	7.9	2.36
69.8	21.7	0.02	-1.3					
25.900	-337.3	-49.5	-3.0	33.2	138.2	-0.005	8.0	2.36
69.8	21.6	0.02	-1.3					
26.000	-331.8	-49.2	-3.0	33.5	140.4	-0.003	8.0	2.37
69.8	21.3	0.02	-1.3					
26.100	-295.0	-48.9	-3.5	33.7	138.2	-0.003	8.0	2.36
69.8	21.6	0.02	-1.3					
26.200	-221.0	-48.5	-5.4	34.7	138.4	-0.005	8.0	2.36
69.8	21.9	0.02	-1.3					
26.300	-131.1	-48.0	-11.0	35.4	137.6	-0.006	8.0	2.35
69.8	22.1	0.02	-1.3					
26.400	-59.8	-47.5	-35.1	36.0	141.5	-0.006	7.9	2.35
69.8	22.3	0.01	-1.3					
26.500	-18.3	-47.0	10.5	36.6	141.0	-0.004	8.0	2.35
69.8	22.4	0.01	-1.3					
26.600	4.9	-46.8	33.9	37.3	138.0	-0.003	8.0	2.36
69.8	22.0	0.01	-1.4					
26.700	18.6	-46.8	71.3	38.4	139.3	-0.004	7.9	2.35
69.8	22.1	0.01	-1.4					
26.800	27.0	-46.9	38.7	39.5	137.6	-0.000	7.9	2.35
69.8	22.2	0.01	-1.4					
26.900	32.8	-47.0	30.9	40.2	135.6	-0.001	8.0	2.36
69.8	22.0	0.01	-1.4					
27.000	36.7	-47.0	27.4	41.0	134.7	-0.002	7.9	2.35
69.8	22.1	0.01	-1.4					
27.100	39.6	-46.9	25.3	41.9	135.2	-0.007	8.0	2.36
69.8	22.0	0.01	-1.4					
27.200	41.8	-46.8	24.0	43.0	134.1	-0.006	8.0	2.36
69.8	22.0	0.00	-1.4					
27.300	43.4	-46.8	23.1	43.9	133.7	-0.009	7.9	2.36
69.8	21.7	0.00	-1.4					

27.400	44.3	-46.8	22.6	44.5	134.7	-0.010	7.9	2.36
69.8 22.0	0.00	-1.4						
27.500	44.1	-46.9	22.7	44.7	135.0	-0.010	8.0	2.35
69.8 22.2	0.00	-1.4						
27.600	44.5	-46.9	22.5	45.2	137.6	-0.010	7.9	2.36
69.8 22.0	0.00	-1.3						
27.700	44.7	-46.7	22.4	45.4	140.8	-0.011	7.9	2.36
69.8 21.5	0.01	-1.3						
27.800	45.0	-46.4	22.2	45.6	138.2	-0.010	8.0	2.37
69.8 21.3	0.00	-1.3						
27.900	45.4	-46.1	22.1	46.0	135.2	-0.013	7.9	2.37
69.8 21.0	0.00	-1.3						
28.000	45.1	-45.9	22.2	45.9	136.0	-0.014	8.0	2.37
69.8 20.8	0.01	-1.3						
28.100	45.2	-45.8	22.2	46.6	136.5	-0.014	7.9	2.37
69.8 20.8	0.01	-1.3						
28.200	44.2	-45.9	22.6	47.4	137.1	-0.015	7.9	2.37
69.8 20.8	0.01	-1.3						
28.300	43.6	-46.0	22.9	46.9	137.1	-0.015	8.0	2.37
69.8 20.9	0.01	-1.3						
28.400	42.9	-45.9	23.3	47.0	136.5	-0.013	8.0	2.38
69.8 20.8	0.01	-1.3						
28.500	42.5	-45.8	23.5	47.2	144.5	-0.013	8.0	2.38
69.8 20.6	0.01	-1.3						
28.600	42.8	-45.7	23.4	47.2	144.9	-0.012	8.0	2.38
69.8 20.3	0.01	-1.3						
28.700	43.0	-45.6	23.2	47.2	146.4	-0.009	8.0	2.38
69.8 20.3	0.01	-1.2						
28.800	43.1	-45.6	23.2	46.0	145.3	-0.007	8.0	2.39
69.9 20.2	0.01	-1.2						
28.900	43.1	-45.5	23.2	44.6	144.9	-0.003	8.0	2.39
69.8 20.0	0.01	-1.3						
29.000	42.6	-45.4	23.5	43.8	145.6	-0.003	8.0	2.38
69.8 20.3	0.01	-1.3						
29.100	42.4	-45.2	23.6	42.3	142.1	-0.006	8.0	2.38
69.9 20.3	0.01	-1.3						
29.200	41.6	-44.9	24.1	40.9	141.7	-0.003	8.0	2.38
69.8 20.6	0.01	-1.3						
29.300	41.9	-44.6	23.9	39.4	145.1	-0.004	8.0	2.38
69.9 20.6	0.01	-1.3						
29.400	42.0	-44.3	23.8	38.1	149.5	-0.006	8.0	2.38
69.9 20.7	0.01	-1.3						
29.500	43.0	-44.0	23.2	37.4	151.2	-0.006	8.0	2.38
69.8 20.4	0.01	-1.3						
29.600	42.7	-43.8	23.4	37.3	148.8	-0.003	8.0	2.38
69.9 20.3	0.01	-1.3						
29.700	42.7	-43.8	23.4	37.5	149.9	-0.004	8.0	2.38
69.9 20.3	0.00	-1.3						
29.800	42.0	-43.8	23.8	38.0	147.5	-0.006	8.0	2.39
69.8 19.9	0.01	-1.3						
29.900	41.7	-43.8	24.0	38.3	144.9	-0.007	8.0	2.39
69.9 19.8	0.01	-1.3						
30.000	41.7	-43.8	24.0	39.0	136.5	-0.008	8.0	2.39
69.8 19.7	0.01	-1.3						

30.100	41.5	-43.9	24.1	40.0	137.3	-0.007	8.0	2.39
69.9	19.9	0.01	-1.3					
30.200	41.6	-44.1	24.0	41.0	131.3	-0.009	8.0	2.39
69.9	19.8	0.00	-1.3					
30.300	41.8	-44.2	23.9	41.2	128.9	-0.006	8.0	2.39
69.9	19.9	0.00	-1.3					
30.400	42.2	-44.4	23.7	41.2	125.0	-0.003	8.0	2.39
69.9	19.8	0.01	-1.3					
30.500	42.7	-44.7	23.4	41.1	125.9	-0.004	8.0	2.40
69.9	19.3	0.00	-1.3					
30.600	42.2	-45.2	23.7	40.0	126.3	-0.000	8.0	2.40
69.8	19.5	0.00	-1.3					
30.700	42.4	-45.6	23.6	40.0	122.4	-0.000	8.0	2.40
69.9	19.5	0.00	-1.3					
30.800	42.5	-45.9	23.6	38.7	119.2	-0.002	8.0	2.40
69.9	19.5	0.00	-1.3					
30.900	43.2	-46.2	23.1	37.9	114.8	-0.003	8.0	2.40
69.9	19.4	0.00	-1.4					
31.000	43.3	-46.6	23.1	38.2	111.4	-0.001	8.0	2.39
69.9	19.7	0.00	-1.4					
31.100	43.4	-46.9	23.0	38.1	112.0	-0.000	8.0	2.39
69.9	20.0	0.00	-1.4					
31.200	43.1	-47.3	23.2	38.0	111.6	0.001	8.0	2.39 69.9
19.9	0.00	-1.4						
31.300	43.2	-47.5	23.1	38.7	113.1	-0.000	8.0	2.39
69.9	20.1	0.00	-1.4					
31.400	42.9	-47.8	23.3	38.1	117.9	-0.002	8.0	2.39
69.9	20.1	0.00	-1.4					
31.500	43.4	-48.0	23.1	38.2	120.9	-0.001	8.0	2.39
69.9	20.0	0.00	-1.4					
31.600	42.9	-48.2	23.3	38.0	120.5	-0.004	8.0	2.39
69.9	20.1	0.00	-1.4					
31.700	42.9	-48.3	23.3	37.4	120.9	-0.006	8.0	2.39
69.9	20.0	0.01	-1.4					
31.800	42.8	-48.5	23.4	37.3	119.2	-0.007	8.0	2.39
69.9	19.9	0.01	-1.4					
31.900	42.8	-48.5	23.4	37.5	122.8	-0.007	8.0	2.39
69.9	20.0	0.01	-1.4					
32.000	43.0	-48.6	23.3	37.9	120.7	-0.009	8.0	2.39
69.9	20.0	0.01	-1.4					
32.100	42.4	-48.5	23.6	38.1	122.4	-0.007	8.0	2.40
69.9	19.5	0.01	-1.4					
32.200	42.2	-48.5	23.7	38.0	127.2	-0.005	8.0	2.40
69.9	19.0	0.01	-1.4					
32.300	41.9	-48.5	23.8	38.0	126.5	-0.004	8.0	2.41
69.9	18.8	0.01	-1.4					
32.400	42.6	-48.4	23.5	38.1	126.5	-0.003	8.0	2.40
69.9	19.3	0.01	-1.4					
32.500	42.5	-48.4	23.5	37.8	127.0	-0.004	8.0	2.40
69.9	19.2	0.01	-1.4					
32.600	42.3	-48.4	23.6	37.4	128.3	-0.004	8.0	2.41
69.9	18.7	0.01	-1.4					
32.700	41.9	-48.4	23.9	37.1	127.8	-0.001	8.0	2.40
69.9	19.2	0.01	-1.4					

32.800	42.4	-48.5	23.6	36.8	127.4	-0.006	7.9	2.40
69.9	19.2	0.01	-1.4					
32.900	42.6	-48.5	23.5	37.1	125.2	-0.007	8.0	2.40
69.9	19.4	0.01	-1.4					
33.000	42.8	-48.6	23.4	36.8	122.4	-0.004	7.9	2.39
69.9	19.6	0.01	-1.4					
33.100	42.9	-48.6	23.3	36.7	123.3	-0.005	7.9	2.40
69.9	19.5	0.01	-1.4					
33.200	43.1	-48.8	23.2	36.7	126.5	-0.006	8.0	2.40
69.9	19.4	0.01	-1.4					
33.300	42.9	-48.9	23.3	36.7	130.0	-0.003	7.9	2.39
69.9	19.8	0.00	-1.4					
33.400	42.6	-48.9	23.5	36.4	127.6	-0.004	8.0	2.39
69.9	19.7	0.01	-1.4					
33.500	43.2	-49.0	23.2	36.4	125.4	-0.008	7.9	2.39
69.9	19.8	0.00	-1.4					
33.600	43.5	-49.1	23.0	36.0	122.0	-0.011	8.0	2.38
69.9	20.2	0.00	-1.4					
33.700	43.7	-49.1	22.9	35.8	117.9	-0.011	8.0	2.38
69.9	20.2	0.00	-1.4					
33.800	43.3	-49.1	23.1	35.0	123.1	-0.009	8.0	2.38
69.9	20.5	0.00	-1.4					
33.900	43.2	-49.0	23.2	34.5	124.4	-0.010	8.0	2.39
69.9	20.0	0.00	-1.4					
34.000	43.6	-48.9	22.9	34.1	129.8	-0.013	8.0	2.39
69.9	20.0	0.00	-1.4					
34.100	44.2	-48.8	22.6	33.9	132.4	-0.009	8.0	2.38
69.9	20.6	0.00	-1.4					
34.200	44.2	-48.6	22.6	33.4	130.0	-0.009	8.0	2.38
69.9	20.2	0.00	-1.4					
34.300	44.7	-48.5	22.4	32.8	130.0	-0.011	8.0	2.38
69.9	20.2	0.00	-1.4					
34.400	44.9	-48.4	22.3	32.4	125.2	-0.011	8.0	2.38
69.9	20.2	0.00	-1.4					
34.500	45.5	-48.4	22.0	32.1	127.0	-0.012	8.0	2.39
69.9	20.1	0.01	-1.4					
34.600	45.5	-48.3	22.0	31.9	125.2	-0.012	8.0	2.39
69.9	20.2	0.00	-1.4					
34.700	45.9	-48.2	21.8	31.5	124.1	-0.010	8.0	2.39
69.9	20.0	0.00	-1.4					
34.800	46.2	-48.1	21.6	30.9	123.9	-0.008	8.0	2.39
69.9	19.6	0.00	-1.4					
34.900	46.1	-48.1	21.7	30.5	126.5	-0.006	8.0	2.39
69.9	19.8	0.00	-1.4					
35.000	45.4	-48.0	22.0	30.3	127.2	-0.007	8.0	2.39
69.9	19.7	0.00	-1.3					
35.100	46.0	-48.1	21.8	29.9	131.9	-0.010	8.0	2.39
69.9	19.9	0.00	-1.3					
35.200	46.8	-48.0	21.4	29.6	134.3	-0.009	8.0	2.39
69.9	20.0	0.00	-1.3					
35.300	47.7	-48.3	20.9	29.1	130.9	-0.007	8.0	2.39
69.9	19.8	0.00	-1.3					
35.400	47.7	-48.4	20.9	28.8	128.7	-0.007	8.0	2.39
69.9	19.8	0.00	-1.3					

35.500	47.4	-48.6	21.1	28.2	126.7	-0.005	8.0	2.39	
69.9	20.0	0.01	-1.3						
35.600	47.9	-48.8	20.9	28.0	125.0	-0.007	8.0	2.39	
69.9	19.6	0.01	-1.3						
35.700	48.4	-48.9	20.7	27.7	131.7	-0.003	8.0	2.39	
69.9	19.9	0.01	-1.3						
35.800	48.9	-49.0	20.4	27.1	130.6	-0.005	8.0	2.39	
69.9	19.7	0.01	-1.3						
35.900	49.5	-49.1	20.2	26.9	137.6	-0.005	8.0	2.39	
69.9	19.7	0.01	-1.3						
36.000	49.7	-49.3	20.1	26.4	141.7	-0.004	8.0	2.39	
69.9	19.7	0.01	-1.3						
36.100	50.5	-49.4	19.8	25.9	142.1	-0.004	8.0	2.38	
69.9	20.4	0.01	-1.3						
36.200	50.5	-49.8	19.8	25.5	140.8	-0.005	8.1	2.37	
69.9	21.1	0.01	-1.3						
36.300	51.8	-50.1	19.3	24.9	143.8	-0.002	8.0	2.36	
69.9	21.5	0.01	-1.3						
36.400	52.0	-50.1	19.2	24.3	145.1	0.007	8.0	2.37	69.9
21.4	0.01	-1.3							
36.500	53.1	-50.2	18.8	23.9	149.7	0.016	8.0	2.36	69.9
21.8	0.01	-1.3							
36.600	53.1	-50.3	18.9	23.3	157.2	0.020	8.0	2.35	69.9
22.1	0.01	-1.3							
36.700	53.7	-50.6	18.6	22.7	163.7	0.023	8.0	2.35	69.9
22.2	0.01	-1.3							
36.800	53.8	-50.9	18.6	22.3	171.9	0.033	8.0	2.35	69.9
22.5	0.01	-1.3							
36.900	53.7	-51.3	18.6	22.0	180.6	0.039	8.0	2.34	69.9
23.0	0.01	-1.3							
37.000	53.6	-51.6	18.7	21.7	182.8	0.037	8.0	2.34	69.9
23.2	0.01	-1.3							
37.100	54.2	-51.6	18.5	21.4	184.5	0.037	8.0	2.33	69.9
23.4	0.01	-1.3							
37.200	55.3	-51.7	18.1	21.0	187.5	0.036	8.0	2.34	69.9
23.0	0.01	-1.2							
37.300	56.8	-51.7	17.6	20.6	188.2	0.033	8.1	2.34	69.9
23.1	0.01	-1.2							
37.400	57.6	-52.0	17.4	20.5	186.0	0.028	8.2	2.34	69.9
23.1	0.01	-1.2							
37.500	57.9	-52.3	17.3	20.2	179.5	0.030	8.2	2.34	69.9
22.9	0.00	-1.2							
37.600	57.8	-52.6	17.3	19.8	178.9	0.028	8.1	2.36	69.9
22.0	0.00	-1.2							
37.700	58.0	-52.8	17.2	19.6	180.2	0.026	8.1	2.37	69.9
21.3	0.00	-1.2							
37.800	58.6	-52.9	17.1	19.3	176.9	0.022	8.1	2.37	69.9
21.0	0.00	-1.2							
37.900	59.3	-53.0	16.9	19.2	173.2	0.019	8.1	2.37	69.9
21.0	0.00	-1.2							
38.000	59.9	-53.0	16.7	19.0	166.8	0.016	8.1	2.38	69.9
20.4	0.00	-1.2							
38.100	61.2	-53.1	16.3	18.7	155.7	0.007	8.1	2.39	69.9
20.0	0.00	-1.2							

38.200	62.5	-53.3	16.0	18.6	146.2	0.000	8.1	2.39	69.9
20.0	0.00	-1.2							
38.300	63.3	-53.6	15.8	18.4	137.6	0.000	8.1	2.39	69.9
19.8	0.00	-1.2							
38.400	64.0	-53.7	15.6	18.1	129.3	0.002	8.1	2.40	69.9
19.3	0.01	-1.2							
38.500	64.6	-53.5	15.5	17.7	123.3	0.006	8.2	2.41	69.9
18.9	0.00	-1.2							
38.600	65.6	-53.3	15.2	17.3	120.7	0.009	8.2	2.41	69.9
18.8	0.00	-1.2							
38.700	66.7	-53.1	15.0	16.9	112.7	0.016	8.2	2.40	69.9
19.0	0.00	-1.2							
38.800	68.0	-52.9	14.7	16.6	113.1	0.018	8.1	2.40	69.9
19.4	0.00	-1.2							
38.900	69.2	-52.8	14.5	16.3	110.7	0.018	8.2	2.39	69.9
19.8	0.01	-1.1							
39.000	69.9	-52.7	14.3	15.9	108.6	0.013	8.1	2.38	69.9
20.4	0.01	-1.1							
39.100	71.2	-52.4	14.0	15.5	106.2	0.006	8.1	2.37	69.9
20.8	0.01	-1.1							
39.200	72.4	-52.1	13.8	15.2	105.1	0.005	8.2	2.36	69.9
21.9	0.00	-1.1							
39.300	73.4	-51.7	13.6	15.0	102.5	0.003	8.2	2.35	69.9
22.3	0.01	-1.1							
39.400	74.4	-51.4	13.4	14.8	100.4	0.002	8.2	2.35	69.9
22.3	0.01	-1.1							
39.500	75.7	-51.1	13.2	14.6	103.4	0.004	8.1	2.35	69.9
22.6	0.01	-1.1							
39.600	77.1	-50.9	13.0	14.2	102.5	0.002	8.1	2.34	69.9
22.8	0.01	-1.0							
39.700	77.0	-50.6	13.0	14.0	104.0	-0.001	8.1	2.34	
69.9	23.0	0.01	-1.0						
39.800	77.0	-50.8	13.0	13.8	102.7	-0.003	8.2	2.34	
69.9	23.3	0.01	-1.0						
39.900	77.3	-51.1	12.9	13.7	105.3	-0.006	8.1	2.33	
69.9	23.5	0.01	-1.0						
40.000	78.1	-51.4	12.8	13.5	104.5	-0.010	8.1	2.33	
69.9	23.6	0.01	-1.0						
40.100	78.6	-51.7	12.7	13.3	101.4	-0.011	8.2	2.33	
69.9	23.7	0.01	-1.0						
40.200	79.3	-52.2	12.6	13.1	101.2	-0.013	8.2	2.32	
69.9	24.1	0.01	-1.0						
40.300	80.8	-52.7	12.4	12.9	101.2	-0.015	8.2	2.33	
69.9	23.5	0.01	-1.0						
40.400	82.3	-53.2	12.1	12.7	102.3	-0.012	8.1	2.34	
69.9	23.3	0.01	-1.0						
40.500	83.4	-53.7	12.0	12.6	104.9	-0.013	8.2	2.34	
69.9	22.8	0.01	-1.0						
40.600	83.7	-54.1	11.9	12.4	106.2	-0.013	8.2	2.34	
69.9	22.9	0.01	-1.0						
40.700	84.3	-54.5	11.9	12.4	107.1	-0.015	8.1	2.35	
69.9	22.4	0.01	-1.0						
40.800	85.1	-54.9	11.8	12.3	108.8	-0.015	8.2	2.35	
69.9	22.5	0.01	-1.0						

40.900	85.8	-54.9	11.7	12.2	112.9	-0.015	8.2	2.34
69.9	23.0	0.01	-1.0					
41.000	86.5	-54.8	11.6	12.1	110.3	-0.014	8.2	2.35
69.9	22.7	0.01	-1.0					
41.100	87.9	-54.6	11.4	12.0	112.5	-0.009	8.2	2.35
69.9	22.5	0.01	-1.0					
41.200	89.8	-54.5	11.1	12.0	113.1	-0.004	8.2	2.34
69.9	22.7	0.01	-1.0					
41.300	91.4	-54.2	10.9	12.0	116.1	-0.000	8.1	2.34
69.9	22.9	0.01	-1.0					
41.400	93.1	-54.1	10.7	11.9	112.3	-0.003	8.2	2.34
69.9	23.0	0.01	-1.0					
41.500	93.5	-53.9	10.7	11.8	114.6	-0.002	8.2	2.33
69.9	23.4	0.01	-1.0					
41.600	94.8	-53.7	10.6	11.7	116.8	-0.002	8.1	2.32
69.9	24.0	0.01	-1.0					
41.700	95.2	-53.6	10.5	11.7	117.7	-0.005	8.2	2.32
69.9	24.0	0.01	-1.0					
41.800	95.8	-53.4	10.4	11.7	113.1	-0.007	8.2	2.31
69.9	24.6	0.01	-1.0					
41.900	96.4	-53.2	10.4	11.7	114.8	-0.009	8.2	2.30
69.9	25.2	0.01	-1.0					
42.000	96.9	-53.0	10.3	11.6	114.0	-0.009	8.2	2.30
69.9	25.6	0.01	-1.0					
42.100	98.5	-52.8	10.2	11.4	112.3	-0.012	8.1	2.30
69.9	25.6	0.01	-1.0					
42.200	99.4	-52.5	10.1	11.3	110.7	-0.012	8.2	2.30
69.9	25.6	0.01	-1.0					
42.300	100.1	-52.2	10.0	11.3	111.2	-0.010	8.2	2.30
69.9	25.2	0.01	-1.0					
42.400	100.3	-52.0	10.0	11.2	109.9	-0.016	8.2	2.31
69.9	25.1	0.01	-1.0					
42.500	100.7	-51.7	9.9	11.0	111.2	-0.022	8.2	2.29
69.9	25.8	0.01	-1.0					
42.600	101.3	-51.4	9.9	10.9	112.7	-0.025	8.1	2.29
69.9	25.9	0.00	-1.0					
42.700	101.9	-51.3	9.8	10.7	109.2	-0.024	8.2	2.29
69.9	25.9	0.00	-1.0					
42.800	102.1	-51.1	9.8	10.7	107.5	-0.026	8.2	2.29
69.9	25.8	0.00	-1.0					
42.900	102.3	-51.1	9.8	10.6	110.1	-0.027	8.2	2.29
69.9	25.9	0.00	-1.0					
43.000	102.2	-51.3	9.8	10.4	111.6	-0.027	8.2	2.30
69.9	25.7	0.00	-1.0					
43.100	102.0	-51.5	9.8	10.4	110.7	-0.026	8.2	2.30
69.9	25.8	0.00	-1.0					
43.200	101.3	-51.6	9.9	10.4	111.6	-0.026	8.2	2.29
69.9	25.9	0.00	-1.0					
43.300	101.4	-51.6	9.9	10.3	118.3	-0.026	8.2	2.30
69.9	25.8	0.00	-1.0					
43.400	101.0	-51.5	9.9	10.3	118.7	-0.024	8.1	2.30
69.9	25.5	0.00	-1.0					
43.500	101.4	-51.3	9.9	10.3	121.3	-0.024	8.2	2.30
69.9	25.7	0.00	-1.0					

43.600	101.2	-51.2	9.9	10.3	122.4	-0.027	8.2	2.30	
69.9	25.7	0.00	-1.0						
43.700	101.3	-51.1	9.9	10.4	128.5	-0.027	8.2	2.30	
69.9	25.2	0.00	-1.0						
43.800	101.5	-51.0	9.8	10.5	130.2	-0.022	8.2	2.30	
69.9	25.4	0.00	-1.0						
43.900	101.7	-50.9	9.8	10.6	130.4	-0.022	8.2	2.31	
69.9	24.8	-0.00	-1.0						
44.000	102.0	-50.7	9.8	10.7	136.0	-0.020	8.2	2.32	
69.9	24.4	-0.00	-1.0						
44.100	102.0	-50.3	9.8	10.8	134.1	-0.019	8.2	2.32	
70.0	24.3	-0.00	-1.0						
44.200	101.9	-49.9	9.8	11.0	137.1	-0.018	8.2	2.32	
69.9	24.1	0.00	-1.0						
44.300	102.4	-49.5	9.8	11.1	135.8	-0.018	8.2	2.32	
69.9	24.1	0.00	-1.0						
44.400	102.5	-49.4	9.8	11.3	134.5	-0.018	8.1	2.32	
69.9	24.1	0.00	-1.0						
44.500	103.5	-49.3	9.7	11.5	133.2	-0.017	8.2	2.32	
69.9	24.1	0.00	-1.0						
44.600	104.3	-49.4	9.6	11.7	133.2	-0.010	8.2	2.33	
69.9	23.4	0.00	-1.1						
44.700	105.8	-49.3	9.5	11.8	133.2	0.005	8.2	2.33	69.9
23.9	0.00	-1.1							
44.800	106.8	-49.2	9.4	12.0	129.3	0.013	8.2	2.33	69.9
23.7	0.00	-1.1							
44.900	107.6	-49.0	9.3	12.1	128.7	0.032	8.2	2.32	69.9
24.0	0.00	-1.1							
45.000	107.9	-48.8	9.3	12.1	128.3	0.042	8.3	2.31	69.9
24.6	0.00	-1.1							
45.100	107.7	-48.6	9.3	12.1	128.5	0.041	8.3	2.30	69.9
25.4	-0.00	-1.2							
45.200	108.1	-48.5	9.3	11.9	121.8	0.040	8.3	2.28	69.9
26.7	-0.00	-1.2							
45.300	108.2	-48.3	9.2	11.8	118.3	0.037	8.3	2.27	70.0
27.2	-0.00	-1.2							
45.400	108.8	-48.2	9.2	11.6	114.8	0.038	8.4	2.26	69.9
27.9	-0.00	-1.2							
45.500	108.2	-48.0	9.2	11.4	106.6	0.040	8.3	2.25	69.9
28.5	-0.00	-1.2							
45.600	108.2	-47.9	9.2	11.2	108.4	0.043	8.4	2.25	69.9
28.5	-0.00	-1.2							
45.700	107.8	-47.7	9.3	11.0	106.4	0.046	8.4	2.25	69.9
28.5	-0.00	-1.3							
45.800	108.0	-47.6	9.3	10.9	112.5	0.051	8.4	2.25	69.9
28.4	-0.00	-1.3							
45.900	106.3	-47.5	9.4	10.8	114.6	0.051	8.4	2.24	70.0
28.9	-0.00	-1.3							
46.000	104.3	-47.4	9.6	10.8	112.7	0.034	8.5	2.24	69.9
29.0	-0.00	-1.3							
46.100	102.6	-47.3	9.8	10.8	109.2	0.035	8.5	2.23	69.9
29.6	-0.01	-1.3							
46.200	102.0	-47.2	9.8	10.9	107.1	0.024	8.3	2.24	69.9
29.2	-0.01	-1.3							

46.300	101.0	-47.1	9.9	11.0	104.9	0.019	8.3	2.25	69.9
28.8	-0.01	-1.3							
46.400	99.3	-46.9	10.1	11.3	101.2	0.026	8.3	2.26	69.9
27.9	-0.01	-1.3							
46.500	97.0	-46.8	10.3	11.6	99.1	0.035	8.2	2.28	69.9
26.8	-0.01	-1.3							
46.600	94.6	-46.6	10.6	12.1	96.9	0.042	8.3	2.29	69.9
25.8	-0.01	-1.3							
46.700	93.2	-46.5	10.7	12.5	96.2	0.042	8.3	2.31	69.9
24.8	-0.01	-1.4							
46.800	91.3	-46.4	11.0	13.0	93.7	0.043	8.4	2.33	69.9
23.6	-0.01	-1.4							
46.900	89.1	-46.2	11.2	13.6	91.7	0.040	8.3	2.35	69.9
22.4	-0.01	-1.4							
47.000	86.4	-46.1	11.6	14.3	88.2	0.040	8.3	2.37	69.9
20.9	-0.01	-1.4							
47.100	84.6	-46.0	11.8	15.0	80.2	0.036	8.3	2.39	69.9
19.8	-0.01	-1.5							
47.200	83.5	-45.8	12.0	15.7	77.4	0.031	8.3	2.41	69.9
18.8	-0.01	-1.5							
47.300	82.2	-45.7	12.2	16.4	67.5	0.033	8.3	2.43	69.9
17.1	-0.01	-1.5							
47.400	81.0	-45.6	12.3	17.2	58.8	0.029	8.1	2.47	69.9
14.6	-0.01	-1.6							
47.500	80.2	-45.5	12.5	18.1	52.8	0.029	8.0	2.50	69.9
13.3	-0.00	-1.6							
47.600	78.8	-45.3	12.7	19.1	50.2	0.023	8.0	2.53	69.9
11.2	-0.00	-1.7							
47.700	76.8	-45.2	13.0	19.6	45.4	0.017	7.9	2.56	69.9
9.6	-0.00	-1.7							
47.800	75.1	-45.2	13.3	20.7	42.0	0.008	7.9	2.57	69.9
8.5	-0.00	-1.7							
47.900	73.5	-45.0	13.6	22.1	35.9	0.004	8.0	2.59	69.9
7.3	-0.00	-1.8							
48.000	73.0	-44.9	13.7	23.0	30.3	0.006	8.0	2.61	69.9
6.1	-0.00	-1.8							
48.100	72.1	-44.8	13.9	24.0	27.0	0.007	7.9	2.64	69.9
4.6	-0.00	-1.8							
48.200	71.8	-44.7	13.9	24.8	22.3	0.011	8.0	2.66	69.9
3.4	-0.00	-1.9							
48.300	70.2	-44.5	14.3	26.0	19.7	0.012	7.9	2.67	69.9
2.7	-0.01	-1.9							
48.400	69.2	-44.3	14.5	27.6	17.1	0.014	7.9	2.69	69.9
1.5	-0.01	-1.9							
48.500	67.5	-44.2	14.8	28.4	17.5	0.019	7.9	2.70	69.9
0.9	-0.01	-2.0							
48.600	66.1	-44.0	15.1	29.4	17.1	0.024	7.9	2.71	69.9
0.2	-0.01	-2.0							
48.700	64.3	-43.8	15.6	30.8	14.5	0.026	7.9	2.71	69.9
0.2	-0.01	-2.0							
48.800	62.4	-43.6	16.0	32.2	14.9	0.024	7.9	2.70	69.9
0.5	-0.01	-2.0							
48.900	60.7	-43.4	16.5	33.5	15.4	0.026	8.0	2.69	69.9
1.5	-0.01	-2.0							

49.000	59.1	-43.3	16.9	34.9	16.4	0.025	8.0	2.69	69.9
1.2	-0.01	-2.0							
49.100	57.0	-43.1	17.6	36.7	16.0	0.030	8.0	2.68	69.9
1.8	-0.01	-2.0							
49.200	55.3	-42.9	18.1	38.2	15.8	0.033	8.0	2.70	69.9
0.9	-0.00	-2.0							
49.300	53.2	-42.8	18.8	40.2	15.4	0.042	8.0	2.69	69.9
1.0	-0.01	-2.0							
49.400	51.0	-42.7	19.7	41.6	17.7	0.045	8.1	2.68	69.9
2.0	-0.01	-2.0							
49.500	48.7	-42.5	20.5	43.5	19.5	0.042	8.0	2.67	69.9
2.2	-0.01	-2.0							
49.600	46.2	-42.4	21.7	45.8	21.4	0.044	7.9	2.67	69.9
2.6	-0.01	-2.0							
49.700	44.0	-42.2	22.8	47.7	24.4	0.043	7.9	2.66	69.9
3.1	-0.01	-2.0							
49.800	41.7	-42.1	24.0	50.1	25.3	0.040	8.0	2.66	69.9
3.3	-0.00	-2.0							
49.900	40.8	-41.9	24.5	52.5	29.0	0.037	8.0	2.66	69.9
3.0	-0.00	-2.0							
50.000	39.6	-41.8	25.3	55.3	30.3	0.041	8.1	2.65	69.9
3.7	-0.00	-2.0							
50.100	38.0	-41.7	26.4	58.5	33.1	0.038	7.9	2.64	69.9
4.1	-0.01	-1.9							
50.200	35.8	-41.6	28.0	61.4	34.8	0.037	7.9	2.65	69.9
3.9	-0.00	-1.9							
50.300	34.2	-41.4	29.3	64.0	37.4	0.037	7.9	2.65	69.9
3.7	-0.01	-1.9							
50.400	33.5	-41.1	29.8	66.7	40.4	0.033	8.0	2.65	69.9
3.8	-0.01	-2.0							
50.500	32.7	-40.8	30.6	69.3	42.4	0.029	8.0	2.64	69.9
4.1	-0.01	-2.0							
50.600	32.4	-40.6	30.9	71.1	43.7	0.020	7.9	2.65	69.9
3.7	-0.01	-2.0							
50.700	31.6	-40.4	31.7	73.5	47.4	0.021	7.9	2.63	69.9
4.9	-0.01	-2.0							
50.800	30.9	-40.3	32.4	75.1	49.5	0.023	7.9	2.64	69.9
4.6	-0.01	-2.0							
50.900	30.5	-40.1	32.8	79.0	48.9	0.025	7.9	2.65	69.9
3.9	-0.01	-2.0							
51.000	30.1	-40.0	33.2	81.7	50.4	0.025	7.9	2.65	69.9
3.7	-0.01	-2.0							
51.100	30.1	-39.8	33.2	86.1	50.0	0.026	7.9	2.65	69.9
3.6	-0.01	-2.0							
51.200	30.1	-39.7	33.2	90.1	51.3	0.026	7.9	2.65	69.9
3.5	-0.01	-2.0							
51.300	29.8	-39.7	33.6	95.1	51.9	0.015	7.9	2.66	69.9
3.2	-0.01	-2.0							
51.400	29.5	-39.9	34.0	98.2	50.4	0.017	7.9	2.64	69.9
4.0	-0.01	-2.0							
51.500	29.1	-40.1	34.3	100.8	50.0	0.017	7.9	2.65	69.9
3.8	-0.01	-2.0							
51.600	29.5	-40.4	33.9	101.0	49.1	0.014	7.9	2.64	69.9
4.1	-0.01	-1.9							

51.700	29.5	-40.5	33.9	105.6	49.1	0.013	7.9	2.65	69.9
3.7	-0.01	-1.8							
51.800	29.6	-40.5	33.8	107.7	47.2	0.017	7.9	2.65	69.9
3.8	-0.01	-1.7							
51.900	29.8	-40.4	33.5	106.4	45.9	0.017	7.9	2.65	69.9
3.7	-0.01	-1.6							
52.000	30.1	-40.3	33.2	105.9	44.3	0.013	7.9	2.65	69.9
3.5	-0.01	-1.4							
52.100	30.2	-40.2	33.1	105.4	45.0	0.013	7.9	2.65	69.9
3.6	-0.01	-1.2							
52.200	30.0	-40.1	33.4	107.8	43.3	0.010	7.9	2.66	69.9
3.2	-0.01	-1.0							
52.300	30.2	-39.9	33.2	110.2	44.1	0.008	7.9	2.66	69.9
3.0	-0.01	-0.7							
52.400	30.2	-39.6	33.1	111.6	47.2	0.009	7.9	2.66	69.9
3.0	-0.01	-0.4							
52.500	30.2	-39.2	33.1	111.6	48.2	0.010	7.9	2.66	69.9
3.0	-0.01	-0.2							
52.600	30.9	-38.9	32.4	115.8	49.5	0.016	7.9	2.65	69.9
3.6	-0.00	0.1							
52.700	30.8	-38.5	32.5	114.4	50.0	0.013	7.9	2.65	69.9
3.4	-0.00	0.4							
52.800	30.6	-37.7	32.8	113.1	50.6	0.014	7.9	2.65	69.9
3.8	-0.01	0.8							
52.900	30.0	-36.9	33.4	108.7	53.4	0.015	7.9	2.64	69.9
4.2	-0.01	1.2							
53.000	29.9	-36.1	33.5	106.1	59.0	0.013	7.9	2.63	69.9
4.8	-0.01	1.9							
53.100	29.8	-35.4	33.6	99.8	61.6	0.008	7.9	2.63	69.9
5.1	-0.01	2.6							
53.200	29.9	-34.8	33.5	93.5	67.7	0.006	7.9	2.62	69.9
5.4	-0.01	3.7							
53.300	28.7	-34.1	35.0	87.7	70.5	0.009	7.9	2.62	69.9
5.8	-0.01	4.6							
53.400	28.4	-33.6	35.3	88.1	75.1	0.008	7.9	2.62	69.9
5.6	-0.01	5.6							
53.500	27.8	-33.2	36.0	88.4	78.5	0.009	7.9	2.62	69.9
5.8	-0.01	6.4							
53.600	28.8	-32.9	34.8	91.8	81.3	0.008	7.9	2.61	69.9
6.5	-0.01	7.3							
53.700	28.8	-32.8	34.7	91.4	83.1	0.004	7.9	2.60	69.9
6.9	-0.01	8.1							
53.800	28.6	-32.9	34.9	90.5	83.5	0.000	7.9	2.58	69.9
7.8	-0.01	8.6							
53.900	28.2	-33.4	35.4	91.8	84.4	-0.004	7.9	2.58	
69.9	7.9	-0.01	9.4						
54.000	28.0	-34.6	35.7	90.6	83.5	-0.002	7.9	2.58	
69.9	8.2	-0.01	10.3						
54.100	27.6	-36.5	36.3	92.8	83.9	-0.003	7.9	2.59	
69.9	7.7	-0.01	10.8						
54.200	26.9	-37.9	37.1	90.7	81.1	-0.002	7.9	2.59	
69.9	7.6	-0.01	11.7						
54.300	26.4	-35.4	37.8	87.9	82.8	-0.001	7.9	2.59	
69.9	7.2	-0.01	12.3						

54.400	26.0	-31.3	38.5	85.2	81.3	0.004	7.9	2.60	69.9
6.8	-0.01	12.8							
54.500	26.5	-25.2	37.8	85.2	79.2	0.006	7.9	2.61	69.9
6.2	-0.01	12.9							
54.600	26.9	-18.3	37.2	83.5	77.9	0.004	8.0	2.62	69.9
5.4	-0.01	13.3							
54.700	27.8	-11.2	36.0	81.8	71.4	0.005	8.0	2.63	69.9
4.9	-0.01	12.9							
54.800	27.4	-3.9	36.5	75.2	68.8	0.008	7.9	2.64	69.9
4.2	-0.01	12.8							
54.900	27.5	3.7	36.4	72.3	66.4	0.012	8.0	2.65	69.9
3.7	-0.01	12.6							
55.000	27.3	10.2	36.6	69.2	64.5	0.016	8.0	2.66	69.9
3.2	-0.01	12.6							
55.100	27.6	8.9	36.2	68.0	60.6	0.019	7.9	2.67	69.9
2.6	-0.01	12.6							
55.200	27.0	6.6	37.1	65.9	59.3	0.019	8.0	2.68	69.9
2.1	-0.01	12.4							
55.300	27.5	4.2	36.5	63.9	57.1	0.021	7.9	2.68	69.9
1.7	-0.01	12.6							
55.400	28.3	-1.9	35.5	62.4	56.2	0.023	8.0	2.69	69.9
1.3	-0.01	12.8							
55.500	31.1	-11.0	32.3	61.6	54.3	0.022	8.0	2.70	69.9
0.6	-0.01	12.2							
55.600	33.6	-23.3	30.0	59.5	52.6	0.027	8.0	2.71	69.9
-0.1	-0.01	12.7							
55.700	35.1	-37.1	28.5	56.9	54.1	0.030	7.9	2.71	69.9
0.1	-0.01	12.7							
55.800	35.5	-51.3	28.2	53.8	53.2	0.027	8.0	2.72	69.9
-0.5	-0.01	12.8							
55.900	36.8	-66.1	27.3	50.0	52.3	0.030	8.0	2.73	69.9
-1.1	-0.01	12.9							
56.000	38.4	-82.4	26.1	47.3	51.5	0.029	8.0	2.73	69.9
-1.3	-0.01	13.2							
56.100	39.1	-98.4	25.6	44.6	52.3	0.026	8.0	2.73	69.9
-1.2	-0.01	13.6							
56.200	38.9	-103.5	25.7	41.0	57.1	0.024	8.0	2.72	
69.9	-0.8	-0.00	14.2						
56.300	42.0	-105.2	24.1	38.9	59.9	0.026	8.0	2.73	
69.9	-1.0	-0.00	14.6						
56.400	46.1	-107.1	21.9	36.1	60.3	0.028	8.0	2.72	
69.9	-0.4	-0.00	15.0						
56.500	47.4	-109.2	21.2	33.3	62.7	0.028	8.0	2.71	
69.9	0.1	-0.01	15.4						
56.600	46.5	-110.1	21.6	30.9	68.3	0.031	8.0	2.70	
69.9	0.5	-0.01	15.7						
56.700	47.9	-111.0	21.1	28.7	71.4	0.033	8.0	2.68	
69.9	1.6	-0.01	16.3						
56.800	51.7	-111.0	19.5	26.5	77.0	0.032	8.0	2.67	
69.9	2.6	-0.01	17.0						
56.900	52.1	-110.2	19.3	24.5	81.5	0.027	8.0	2.65	
69.9	3.9	-0.01	17.4						
57.000	53.4	-108.8	18.9	22.5	87.4	0.021	8.0	2.63	
69.9	5.2	-0.01	18.0						

57.100	55.5	-105.9	18.3	21.0	93.7	0.027	8.0	2.61
69.9	6.4	-0.01	18.6					
57.200	59.5	-102.8	16.8	19.7	97.5	0.024	8.0	2.60
69.9	6.7	-0.01	19.2					
57.300	61.4	-102.5	16.3	18.7	103.2	0.025	8.1	2.57
69.9	8.5	-0.01	20.0					
57.400	64.7	-104.1	15.5	17.8	109.4	0.021	8.1	2.55
69.9	10.0	-0.01	20.7					
57.500	68.1	-105.8	14.7	16.9	116.8	0.018	8.1	2.53
69.9	11.1	-0.01	21.2					
57.600	69.6	-107.4	14.4	16.2	119.4	0.014	8.1	2.51
69.9	12.2	-0.01	21.6					
57.700	70.1	-108.8	14.3	15.5	122.0	0.008	8.1	2.50
69.9	13.2	-0.01	22.2					
57.800	71.1	-108.9	14.1	15.0	127.4	0.008	8.1	2.48
69.9	14.1	-0.01	22.6					
57.900	74.0	-108.7	13.5	14.5	131.1	0.006	8.1	2.48
69.9	14.5	-0.01	23.1					
58.000	77.7	-108.7	12.9	14.1	135.0	0.009	8.1	2.47
69.9	14.9	-0.01	23.6					
58.100	81.0	-108.5	12.4	13.8	135.0	0.015	8.1	2.46
69.9	15.4	-0.01	24.6					
58.200	86.4	-108.1	11.6	13.5	138.0	0.018	8.1	2.47
69.9	15.2	-0.01	25.0					
58.300	88.0	-107.6	11.4	13.2	144.0	0.022	8.1	2.46
69.8	15.5	-0.01	25.5					
58.400	88.9	-107.0	11.3	13.0	149.5	0.017	8.1	2.46
69.9	15.7	-0.01	25.7					
58.500	89.8	-106.0	11.2	12.7	155.5	0.015	8.1	2.45
69.9	15.9	-0.01	26.3					
58.600	93.8	-105.0	10.7	12.4	167.4	0.014	8.1	2.45
69.9	16.4	-0.01	26.4					
58.700	95.8	-104.1	10.5	12.2	181.5	0.017	8.1	2.43
69.9	17.3	-0.01	26.6					
58.800	97.3	-103.1	10.3	11.9	196.6	0.016	8.1	2.43
69.9	17.4	-0.01	26.5					
58.900	99.1	-102.2	10.1	11.6	212.0	0.016	8.2	2.42
69.8	18.0	-0.01	27.1					
59.000	103.2	-101.7	9.7	11.2	233.6	0.014	8.1	2.41
69.9	18.4	-0.01	27.5					
59.100	101.4	-101.4	9.9	11.0	253.9	0.016	8.2	2.40
69.8	19.0	-0.01	27.7					
59.200	103.9	-101.3	9.7	10.7	278.1	0.011	8.1	2.39
69.8	19.7	-0.01	27.9					
59.300	105.5	-101.3	9.5	10.5	298.5	0.007	8.2	2.38
69.8	20.5	-0.01	28.3					
59.400	109.8	-101.2	9.1	10.4	331.1	0.000	8.1	2.37
69.9	21.2	-0.01	28.5					
59.500	109.5	-101.1	9.1	10.3	353.0	-0.002	8.1	2.36
69.8	21.8	-0.01	28.7					
59.600	113.0	-101.1	8.9	10.2	372.9	-0.006	8.1	2.36
69.8	22.0	-0.01	28.3					
59.700	112.5	-101.1	8.9	10.2	383.9	-0.004	8.1	2.34
69.8	22.8	-0.01	28.3					

59.800	111.3	-101.1	9.0	10.2	387.8	-0.007	8.1	2.35
69.8 22.6	-0.01	28.0						
59.900	110.1	-101.1	9.1	10.3	392.1	-0.009	8.2	2.35
69.8 22.7	-0.01	28.3						
60.000	109.7	-101.2	9.1	10.3	393.9	-0.013	8.1	2.34
69.8 22.8	-0.01	28.2						
60.100	111.2	-101.3	9.0	10.4	386.9	-0.013	8.1	2.35
69.8 22.3	-0.01	28.4						
60.200	110.8	-101.5	9.0	10.6	378.5	-0.011	8.2	2.36
69.8 21.8	-0.01	28.6						
60.300	110.5	-101.7	9.1	10.9	361.6	-0.006	8.2	2.37
69.8 21.3	-0.01	28.7						
60.400	108.3	-101.7	9.2	11.1	350.8	-0.007	8.1	2.38
69.8 20.6	-0.01	28.2						
60.500	107.4	-101.7	9.3	11.5	324.2	-0.004	8.1	2.38
69.8 20.2	-0.01	28.1						
60.600	107.4	-101.7	9.3	11.8	301.3	-0.005	8.0	2.40
69.8 19.1	-0.01	27.5						
60.700	105.1	-101.7	9.5	12.3	275.3	-0.001	8.0	2.42
69.8 18.1	-0.01	26.9						
60.800	101.6	-101.7	9.8	12.8	249.4	0.003	8.0	2.43
69.8 17.2	-0.01	26.3						
60.900	101.5	-101.8	9.9	13.3	213.0	0.003	8.0	2.45
69.8 16.4	-0.01	26.1						
61.000	101.1	-101.8	9.9	13.9	186.0	0.003	8.0	2.46
69.8 15.2	-0.01	25.4						
61.100	99.1	-101.8	10.1	14.6	163.1	0.011	8.0	2.47
69.8 14.8	-0.01	25.3						
61.200	96.5	-101.7	10.4	15.2	145.1	0.011	8.0	2.49
69.8 13.4	-0.01	25.1						
61.300	93.5	-101.7	10.7	16.0	128.9	0.013	8.0	2.50
69.8 12.8	-0.01	24.9						
61.400	93.4	-101.7	10.7	16.8	113.8	0.016	8.0	2.52
69.8 11.6	-0.01	24.8						
61.500	92.5	-101.8	10.8	17.5	102.1	0.018	8.0	2.55
69.8 10.1	-0.01	24.3						
61.600	93.1	-101.9	10.7	18.2	92.6	0.024	8.0	2.56
69.8 9.1	-0.01	23.7						
61.700	90.6	-102.1	11.0	19.0	83.9	0.031	7.9	2.57
69.8 8.5	-0.01	23.0						
61.800	87.6	-102.2	11.4	19.6	78.9	0.036	8.0	2.58
69.8 8.0	-0.01	22.1						
61.900	85.3	-102.4	11.7	20.2	69.0	0.036	8.0	2.59
69.8 7.5	-0.01	21.6						
62.000	84.5	-102.6	11.8	20.6	64.9	0.036	7.9	2.60
69.8 7.1	-0.01	21.0						
62.100	82.7	-102.8	12.1	21.0	64.0	0.036	8.0	2.60
69.8 7.1	-0.01	20.5						
62.200	80.0	-103.0	12.5	21.4	61.4	0.039	8.0	2.60
69.8 7.1	-0.01	20.1						
62.300	77.9	-103.2	12.8	21.9	58.4	0.040	8.0	2.60
69.8 6.9	-0.01	19.9						
62.400	76.6	-103.4	13.1	22.3	58.4	0.038	8.2	2.60
69.8 6.8	-0.01	19.8						

62.500	74.8	-103.5	13.4	22.8	58.8	0.043	8.2	2.60
69.8	6.9	-0.01	19.5					
62.600	71.8	-103.4	13.9	23.4	58.2	0.050	8.1	2.60
69.8	7.0	-0.01	19.0					
62.700	69.7	-103.4	14.3	24.1	60.8	0.053	7.9	2.59
69.8	7.3	-0.01	18.6					
62.800	67.9	-103.4	14.7	24.5	64.9	0.054	8.0	2.60
69.8	6.9	-0.01	18.1					
62.900	65.5	-103.4	15.3	25.3	64.5	0.053	7.9	2.59
69.8	7.6	-0.01	17.5					
63.000	62.3	-103.3	16.1	25.9	64.9	0.047	7.9	2.59
69.8	7.7	-0.01	17.2					
63.100	59.6	-103.2	16.8	26.7	66.2	0.048	7.9	2.57
69.8	8.6	-0.01	17.3					
63.200	57.6	-103.0	17.4	27.6	64.5	0.046	7.9	2.57
69.8	8.8	-0.01	17.2					
63.300	56.8	-102.9	17.6	28.9	66.0	0.044	7.9	2.57
69.8	8.6	-0.01	17.3					
63.400	54.2	-102.7	18.5	29.7	65.5	0.043	8.0	2.57
69.8	8.7	-0.01	17.1					
63.500	51.9	-102.6	19.4	30.9	65.5	0.038	7.9	2.58
69.8	8.3	-0.01	17.2					
63.600	48.5	-102.5	20.6	31.7	68.6	0.040	7.9	2.59
69.8	7.4	-0.01	17.2					
63.700	46.6	-102.6	21.5	32.6	67.3	0.041	8.0	2.60
69.8	6.6	-0.01	17.0					
63.800	45.4	-102.6	22.1	33.5	68.1	0.041	7.9	2.61
69.8	6.0	-0.01	17.1					
63.900	45.1	-102.6	22.2	34.6	69.9	0.037	7.9	2.62
69.8	5.7	-0.01	16.4					
64.000	44.4	-102.6	22.6	35.3	67.3	0.034	7.9	2.62
69.8	5.4	-0.01	16.2					
64.100	42.8	-102.7	23.5	36.8	70.5	0.032	7.9	2.63
69.8	4.7	-0.01	16.0					
64.200	40.5	-102.8	24.7	38.3	70.5	0.029	8.0	2.65
69.8	3.7	-0.01	15.9					
64.300	40.3	-102.8	24.8	39.4	68.3	0.032	7.9	2.65
69.8	3.5	-0.01	15.7					
64.400	40.2	-102.8	24.9	40.4	73.1	0.028	7.9	2.66
69.8	3.1	-0.01	15.6					
64.500	40.1	-102.9	24.9	41.3	73.5	0.030	8.0	2.66
69.8	3.0	-0.01	15.3					
64.600	39.2	-102.9	25.5	42.1	74.4	0.033	7.9	2.67
69.8	2.3	-0.01	14.6					
64.700	38.9	-103.0	25.7	42.2	79.4	0.035	7.9	2.68
69.8	1.8	-0.01	14.0					
64.800	39.1	-103.0	25.6	41.6	82.0	0.037	7.9	2.68
69.8	1.6	-0.01	13.5					
64.900	39.6	-103.1	25.2	41.3	85.4	0.039	7.9	2.69
69.8	1.1	-0.01	13.6					
65.000	39.3	-103.2	25.5	40.8	85.0	0.036	7.9	2.69
69.8	1.3	-0.01	13.1					
65.100	39.0	-103.2	25.6	40.8	82.4	0.033	7.9	2.68
69.8	1.7	-0.01	13.1					

65.200	39.5	-103.3	25.3	40.1	85.4	0.031	7.9	2.68
69.8	1.7	-0.01	13.2					
65.300	40.8	-103.4	24.5	38.7	85.9	0.032	7.9	2.68
69.8	1.6	-0.01	12.7					
65.400	41.6	-103.4	24.0	37.5	86.3	0.035	7.9	2.69
69.8	1.0	-0.01	12.8					
65.500	42.2	-103.4	23.7	37.0	88.2	0.039	7.9	2.69
69.8	1.3	-0.01	12.9					
65.600	42.8	-103.3	23.4	35.3	85.6	0.033	7.9	2.69
69.8	1.1	-0.01	12.9					
65.700	43.7	-103.3	22.9	34.3	83.1	0.032	7.9	2.69
69.8	1.0	-0.01	13.1					
65.800	45.0	-103.2	22.2	32.4	85.0	0.035	7.9	2.70
69.8	0.9	-0.01	13.7					
65.900	46.7	-103.1	21.5	31.1	81.1	0.037	7.9	2.70
69.8	0.5	-0.01	13.7					
66.000	47.7	-103.0	21.0	29.8	82.0	0.039	8.0	2.70
69.8	0.8	-0.01	14.5					
66.100	49.0	-102.9	20.4	28.7	79.8	0.040	8.0	2.69
69.8	1.1	-0.01	15.0					
66.200	51.0	-102.7	19.7	27.3	76.6	0.041	8.0	2.68
69.8	1.6	-0.01	15.5					
66.300	53.9	-102.6	18.6	26.2	77.9	0.040	8.0	2.67
69.8	2.3	-0.01	16.4					
66.400	55.2	-102.5	18.1	24.9	75.9	0.042	8.1	2.66
69.8	2.9	-0.01	16.5					
66.500	55.5	-102.4	18.0	23.7	80.2	0.044	8.0	2.66
69.8	3.4	-0.01	17.6					
66.600	56.0	-102.3	17.9	22.3	83.9	0.043	8.1	2.64
69.8	4.2	-0.00	18.3					
66.700	56.8	-102.3	17.6	21.1	86.1	0.041	8.0	2.63
69.8	4.9	-0.00	19.5					
66.800	57.8	-102.2	17.3	20.0	89.3	0.037	8.1	2.61
69.8	6.1	-0.01	20.4					
66.900	58.6	-102.0	17.1	18.7	94.1	0.038	8.1	2.59
69.8	7.5	-0.01	21.0					
67.000	60.1	-101.8	16.6	17.7	96.0	0.036	8.1	2.58
69.8	8.1	-0.01	22.1					
67.100	61.2	-101.5	16.3	16.8	99.9	0.031	8.1	2.57
69.8	9.0	-0.01	23.5					
67.200	62.9	-101.3	15.9	16.0	105.1	0.028	8.1	2.55
69.8	10.2	-0.01	23.9					
67.300	64.1	-101.0	15.6	15.4	109.7	0.022	8.1	2.53
69.8	11.2	-0.01	24.3					
67.400	65.9	-100.7	15.2	14.9	112.3	0.019	8.1	2.52
69.8	12.1	-0.01	25.0					
67.500	66.7	-100.4	15.0	14.5	115.3	0.017	8.2	2.50
69.8	12.7	-0.01	25.4					
67.600	68.1	-100.1	14.7	14.2	118.7	0.016	8.2	2.49
69.8	13.5	-0.01	25.8					
67.700	69.6	-99.9	14.4	13.9	123.5	0.014	8.1	2.49 69.8
13.5	-0.01	26.2						
67.800	71.7	-99.7	14.0	13.7	121.3	0.013	8.1	2.49 69.8
13.7	-0.01	26.5						

67.900	73.0	-99.5	13.7	13.6	126.3	0.010	8.1	2.49	69.8
14.0	-0.01	27.0							
68.000	74.7	-99.4	13.4	13.5	126.3	0.007	8.1	2.49	69.8
13.7	-0.01	27.7							
68.100	75.7	-99.3	13.2	13.4	126.5	0.006	8.0	2.50	69.8
13.2	-0.01	27.3							
68.200	77.0	-99.4	13.0	13.3	128.0	0.008	8.1	2.49	69.8
13.4	-0.01	27.0							
68.300	78.3	-99.4	12.8	13.2	127.8	0.007	8.0	2.49	69.8
13.4	-0.01	27.2							
68.400	80.6	-99.4	12.4	13.1	127.0	0.007	8.0	2.49	69.8
13.4	-0.01	27.2							
68.500	83.1	-99.4	12.0	13.0	130.4	0.006	8.0	2.49	69.7
13.4	-0.01	27.0							
68.600	84.5	-99.5	11.8	12.8	130.9	0.005	8.0	2.49	69.7
13.9	-0.01	26.5							
68.700	86.2	-99.5	11.6	12.6	130.4	0.005	8.1	2.48	69.8
14.1	-0.01	26.5							
68.800	87.0	-99.5	11.5	12.5	130.0	0.003	8.0	2.49	69.8
13.9	-0.01	26.4							
68.900	88.9	-99.5	11.3	12.4	132.8	0.002	8.0	2.48	69.8
14.3	-0.01	26.2							
69.000	90.2	-99.5	11.1	12.2	131.1	0.003	8.1	2.48	69.8
14.5	-0.01	26.9							
69.100	93.2	-99.5	10.7	12.1	132.8	-0.001	8.0	2.48	
69.8	14.5	-0.01	27.1						
69.200	95.2	-99.5	10.5	12.0	130.4	-0.000	8.0	2.47	
69.8	14.7	-0.01	27.3						
69.300	96.8	-99.5	10.3	11.9	132.2	0.002	8.0	2.48	69.8
14.5	-0.01	27.6							
69.400	97.3	-99.6	10.3	11.8	129.6	0.002	8.1	2.48	69.7
14.6	-0.01	27.6							
69.500	98.1	-99.7	10.2	11.8	130.9	-0.000	8.0	2.47	
69.8	14.8	-0.01	27.0						
69.600	99.2	-99.7	10.1	11.8	127.0	-0.001	8.0	2.46	
69.8	15.4	-0.01	27.3						
69.700	100.1	-99.7	10.0	11.8	126.3	0.000	8.1	2.46	69.7
15.3	-0.01	27.1							
69.800	100.6	-99.8	9.9	11.7	127.6	0.002	8.1	2.47	69.8
15.1	-0.01	27.0							
69.900	101.2	-99.9	9.9	11.7	128.0	0.003	8.0	2.47	69.7
15.1	-0.01	27.5							
70.000	101.0	-99.9	9.9	11.7	126.1	0.003	8.1	2.47	69.7
14.8	-0.01	27.5							
70.100	101.5	-100.0	9.8	11.8	124.8	0.004	8.0	2.48	
69.8	14.5	-0.01	28.1						
70.200	101.8	-100.0	9.8	11.8	126.5	0.004	8.1	2.48	
69.7	14.4	-0.01	28.8						
70.300	102.8	-100.1	9.7	11.8	124.1	0.004	8.1	2.48	
69.7	14.5	-0.01	28.9						
70.400	102.8	-100.1	9.7	11.7	118.7	0.005	8.1	2.48	
69.7	14.3	-0.01	29.9						
70.500	102.4	-100.1	9.8	11.7	120.9	0.007	8.1	2.49	
69.7	13.9	-0.01	29.4						

70.600	102.1	-100.1	9.8	11.7	117.7	0.005	8.1	2.49
69.7 13.5	-0.01	29.9						
70.700	102.7	-100.1	9.7	11.7	121.8	0.004	8.1	2.50
69.7 12.9	-0.01	29.6						
70.800	102.5	-100.1	9.8	11.7	120.0	0.008	8.1	2.50
69.7 13.3	-0.01	29.7						
70.900	101.5	-100.1	9.9	11.7	119.6	0.008	8.1	2.50
69.7 13.1	-0.01	30.2						
71.000	100.5	-100.1	9.9	11.7	118.3	0.010	8.1	2.50
69.7 13.1	-0.01	30.5						
71.100	100.0	-100.1	10.0	11.8	120.5	0.009	8.1	2.50
69.7 13.1	-0.01	30.2						
71.200	99.8	-100.2	10.0	11.9	116.1	0.008	8.1	2.50
69.7 13.3	-0.01	30.2						
71.300	98.3	-100.2	10.2	12.0	115.3	0.007	8.1	2.49
69.7 13.7	-0.01	30.1						
71.400	97.4	-100.1	10.3	12.0	112.3	0.006	8.1	2.49
69.7 13.4	-0.01	29.9						
71.500	96.7	-100.1	10.3	12.1	112.0	0.006	8.1	2.49
69.7 13.7	-0.01	29.6						
71.600	95.7	-100.1	10.4	12.2	112.5	0.005	8.1	2.49
69.7 13.5	-0.01	28.9						
71.700	94.3	-100.2	10.6	12.3	113.8	0.005	8.1	2.50
69.7 13.3	-0.01	28.3						
71.800	93.4	-100.2	10.7	12.5	114.0	0.005	8.1	2.50
69.7 13.3	-0.01	27.9						
71.900	92.8	-100.3	10.8	12.7	117.0	0.005	8.1	2.50
69.7 13.3	-0.01	27.3						
72.000	92.0	-100.3	10.9	12.9	116.1	0.005	8.1	2.49
69.7 13.4	-0.01	27.0						
72.100	89.7	-100.4	11.2	13.1	120.3	0.001	8.1	2.49
69.7 13.5	-0.01	26.0						
72.200	88.3	-100.4	11.3	13.3	115.1	0.004	8.1	2.49
69.7 14.0	-0.01	26.6						
72.300	87.5	-100.5	11.4	13.6	115.1	0.002	8.0	2.49
69.7 14.0	-0.01	26.6						
72.400	87.2	-100.6	11.5	13.9	114.8	0.000	8.1	2.48
69.7 14.3	-0.01	26.0						
72.500	86.1	-100.7	11.6	14.2	113.5	0.001	8.0	2.48
69.7 14.3	-0.01	25.7						
72.600	85.4	-100.9	11.7	14.6	116.1	0.002	8.0	2.49
69.7 13.8	-0.01	26.0						
72.700	85.1	-101.0	11.7	15.0	115.3	0.004	8.0	2.49
69.7 13.6	-0.01	26.0						
72.800	84.9	-101.2	11.8	15.3	112.3	0.004	8.0	2.49
69.7 13.6	-0.01	26.0						
72.900	83.9	-101.4	11.9	15.7	112.3	0.003	8.0	2.49
69.7 13.6	-0.01	25.6						
73.000	82.4	-101.7	12.1	16.1	109.4	0.004	8.0	2.49
69.7 13.7	-0.01	25.8						
73.100	81.2	-102.0	12.3	16.5	109.4	0.000	8.0	2.49
69.7 13.9	-0.01	25.9						
73.200	79.9	-102.5	12.5	16.9	104.2	0.001	8.0	2.49
69.7 13.9	-0.01	25.4						

73.300	79.3	-102.9	12.6	17.2	103.4	0.003	8.0	2.49
69.7	13.5	-0.01	25.8					
73.400	78.7	-103.3	12.7	17.5	101.7	0.004	8.1	2.49
69.7	13.8	-0.01	25.2					
73.500	78.2	-103.7	12.8	17.9	99.5	0.001	8.1	2.48
69.7	14.0	-0.01	25.2					
73.600	76.9	-104.2	13.0	18.1	93.0	-0.001	8.0	2.48
69.7	14.1	-0.01	25.6					
73.700	75.8	-104.5	13.2	18.2	92.6	0.001	8.1	2.49
69.7	13.9	-0.01	24.9					
73.800	74.4	-104.9	13.4	18.2	91.9	0.005	8.0	2.49
69.7	13.4	-0.01	24.5					
73.900	73.9	-105.3	13.5	18.3	90.4	0.007	8.0	2.50
69.7	12.7	-0.01	24.6					
74.000	73.6	-105.6	13.6	18.3	88.2	0.008	8.0	2.50
69.7	12.8	-0.01	24.7					
74.100	72.7	-105.7	13.8	18.5	82.2	0.009	8.0	2.50
69.7	13.3	-0.01	24.7					
74.200	71.2	-105.8	14.0	18.6	81.3	0.010	8.0	2.50
69.7	13.3	-0.01	24.5					
74.300	69.9	-105.8	14.3	18.8	82.2	0.007	8.0	2.49
69.7	13.5	-0.01	24.4					
74.400	69.4	-105.7	14.4	19.1	78.3	0.006	8.0	2.49
69.7	13.4	-0.01	24.4					
74.500	68.6	-105.5	14.6	19.5	76.3	0.008	8.0	2.50
69.7	13.3	-0.01	24.4					
74.600	67.6	-105.3	14.8	19.8	74.0	0.006	8.0	2.50
69.7	12.9	-0.01	24.5					
74.700	66.5	-105.2	15.0	20.2	74.8	0.006	8.0	2.50
69.7	13.1	-0.01	24.8					
74.800	65.2	-105.1	15.3	20.7	70.9	0.009	8.0	2.50
69.7	13.3	-0.01	24.7					
74.900	64.8	-105.1	15.4	21.0	70.1	0.011	7.9	2.51
69.7	12.6	-0.01	24.8					
75.000	64.6	-105.0	15.5	21.3	71.8	0.010	7.9	2.51
69.7	12.3	-0.01	24.7					
75.100	64.5	-105.0	15.5	21.4	73.1	0.006	8.0	2.52
69.7	11.8	-0.01	24.8					
75.200	62.9	-105.1	15.9	21.6	75.3	0.011	8.0	2.52
69.7	11.7	-0.01	25.0					
75.300	62.0	-105.2	16.1	21.8	72.5	0.015	7.9	2.52
69.7	11.6	-0.01	25.0					
75.400	62.1	-105.3	16.1	21.8	72.9	0.015	7.9	2.51
69.7	12.3	-0.01	25.0					
75.500	62.1	-105.4	16.1	21.8	74.6	0.014	8.0	2.51
69.7	12.4	-0.01	25.0					
75.600	62.3	-105.6	16.1	21.8	75.9	0.016	8.0	2.52
69.7	12.0	-0.01	24.7					
75.700	62.0	-105.8	16.1	21.7	75.9	0.020	8.0	2.52
69.7	12.0	-0.01	25.1					
75.800	62.3	-106.0	16.1	21.5	73.8	0.019	8.0	2.53
69.7	11.4	-0.01	25.4					
75.900	62.3	-106.2	16.1	21.4	75.7	0.020	8.0	2.53
69.7	11.3	-0.01	25.5					

76.000	62.1	-106.4	16.1	21.4	78.7	0.021	8.0	2.53
69.7 11.3	-0.01	25.2						
76.100	63.2	-106.4	15.8	21.2	77.6	0.020	8.0	2.52
69.7 11.5	-0.01	24.8						
76.200	62.8	-106.4	15.9	21.1	77.0	0.019	8.0	2.53
69.7 11.2	-0.01	24.8						
76.300	62.4	-106.4	16.0	20.8	82.2	0.021	8.0	2.53
69.7 11.4	-0.01	25.0						
76.400	61.2	-106.4	16.3	20.8	84.4	0.021	8.0	2.52
69.7 11.6	-0.01	25.1						
76.500	61.2	-106.4	16.3	20.8	83.1	0.016	8.0	2.52
69.7 11.7	-0.01	25.0						
76.600	61.4	-106.3	16.3	20.5	83.5	0.010	8.0	2.51
69.7 12.1	-0.01	25.2						
76.700	61.2	-106.2	16.4	20.3	83.1	0.012	8.0	2.50
69.7 12.8	-0.01	24.9						
76.800	61.0	-105.9	16.4	20.2	86.9	0.014	8.0	2.50
69.7 12.8	-0.01	25.0						
76.900	60.9	-105.6	16.4	20.1	88.7	0.015	8.1	2.51
69.7 12.7	-0.01	25.2						
77.000	60.0	-105.2	16.7	20.1	89.1	0.014	8.0	2.51
69.7 12.2	-0.01	24.7						
77.100	60.0	-104.9	16.7	20.0	93.0	0.020	8.0	2.51
69.7 12.2	-0.01	24.8						
77.200	60.1	-104.7	16.6	20.1	95.2	0.020	8.0	2.51
69.7 12.2	-0.01	24.6						
77.300	60.9	-104.4	16.4	20.5	98.2	0.017	7.9	2.51
69.7 12.2	-0.01	24.2						
77.400	60.4	-104.2	16.6	20.7	98.4	0.019	8.0	2.51
69.7 12.4	-0.01	24.3						
77.500	60.2	-104.0	16.6	20.9	99.5	0.019	8.0	2.51
69.7 12.2	-0.01	24.4						
77.600	59.7	-103.7	16.7	21.2	102.5	0.018	8.0	2.51
69.7 12.3	-0.01	24.4						
77.700	59.7	-103.6	16.7	21.5	100.1	0.017	8.0	2.51
69.7 12.5	-0.01	24.4						
77.800	59.0	-103.6	17.0	21.8	98.8	0.015	8.0	2.52
69.7 12.0	-0.01	24.2						
77.900	59.6	-103.7	16.8	22.1	99.3	0.016	8.0	2.52
69.7 11.9	-0.01	24.2						
78.000	60.2	-103.8	16.6	22.3	99.3	0.012	8.0	2.52
69.7 11.6	-0.01	24.0						
78.100	60.8	-103.8	16.5	22.6	98.2	0.013	8.0	2.52
69.7 11.7	-0.01	23.8						
78.200	60.7	-103.9	16.5	22.8	99.1	0.009	7.9	2.52
69.7 11.5	-0.01	23.9						
78.300	61.4	-104.1	16.3	22.8	97.3	0.006	8.0	2.53
69.7 11.2	-0.00	23.7						
78.400	62.2	-104.3	16.1	22.8	96.5	0.003	8.0	2.54
69.7 10.8	-0.00	23.3						
78.500	62.9	-104.5	15.9	22.8	96.0	0.004	8.0	2.53
69.7 11.3	-0.00	23.6						
78.600	63.1	-104.8	15.9	22.7	94.7	0.004	8.0	2.53
69.6 11.4	-0.00	23.6						

78.700	63.5	-105.0	15.7	22.5	98.6	0.004	8.0	2.53
69.7	11.2	-0.00	23.5					
78.800	63.7	-105.3	15.7	22.1	98.4	0.003	8.0	2.53
69.6	11.4	-0.00	23.7					
78.900	63.9	-105.5	15.6	21.6	99.3	0.003	8.0	2.53
69.6	11.5	-0.00	23.5					
79.000	64.0	-105.7	15.6	21.2	99.1	0.007	8.0	2.53
69.7	11.5	-0.00	23.6					
79.100	64.3	-105.9	15.6	20.6	96.9	0.008	8.0	2.52
69.6	11.6	-0.00	23.4					
79.200	64.8	-106.1	15.4	20.1	103.0	0.005	8.0	2.52
69.6	11.5	-0.01	23.7					
79.300	65.8	-106.2	15.2	19.6	100.8	0.007	8.0	2.52
69.6	12.1	-0.01	23.5					
79.400	66.4	-106.2	15.1	19.2	101.2	0.006	8.0	2.51
69.6	12.1	-0.01	23.7					
79.500	66.7	-106.1	15.0	18.8	103.0	0.010	8.0	2.51
69.6	12.1	-0.01	24.2					
79.600	66.7	-105.9	15.0	18.5	106.0	0.017	8.0	2.51
69.6	12.2	-0.01	24.5					
79.700	67.4	-105.7	14.8	18.2	106.0	0.015	8.0	2.52
69.6	11.6	-0.01	24.6					
79.800	67.5	-105.6	14.8	18.0	110.3	0.020	8.0	2.51
69.6	12.1	-0.02	25.0					
79.900	67.9	-105.3	14.7	17.7	113.3	0.020	8.0	2.51
69.6	12.2	-0.02	25.5					
80.000	67.4	-104.9	14.8	17.4	113.3	0.020	8.0	2.51
69.8	12.4	-0.02	25.5					
80.100	67.6	-104.7	14.8	17.2	109.0	0.019	8.0	2.50
69.6	12.8	-0.02	25.9					
80.200	68.1	-104.3	14.7	17.0	105.3	0.018	8.0	2.50
69.6	13.0	-0.02	26.1					
80.300	68.7	-104.0	14.6	16.9	106.0	0.015	8.0	2.51
69.6	12.3	-0.02	26.6					
80.400	68.3	-103.7	14.7	16.7	106.0	0.021	8.0	2.51
69.6	12.3	-0.02	26.5					
80.500	67.4	-103.5	14.8	16.6	106.8	0.024	8.0	2.51
69.6	12.1	-0.02	27.0					
80.600	67.2	-103.3	14.9	16.8	108.1	0.024	8.0	2.52
69.6	12.0	-0.02	27.6					
80.700	68.0	-103.2	14.7	16.7	106.6	0.023	8.0	2.51
69.6	12.2	-0.01	27.3					
80.800	68.6	-103.0	14.6	16.7	108.4	0.021	8.0	2.51
69.6	12.2	-0.01	27.4					
80.900	68.0	-102.9	14.7	16.6	108.1	0.014	8.1	2.51
69.6	12.2	-0.01	29.3					
81.000	67.7	-102.8	14.8	16.6	107.3	0.014	8.1	2.51
69.6	12.5	-0.01	29.1					
81.100	67.8	-102.7	14.8	16.4	108.4	0.006	8.0	2.51
69.6	12.7	-0.01	28.9					
81.200	69.6	-102.6	14.4	16.4	105.5	0.002	8.1	2.50
69.6	13.0	-0.01	29.0					
81.300	70.6	-102.6	14.2	16.2	103.0	0.004	8.0	2.50
69.6	12.8	-0.01	28.7					

81.400	71.7	-102.5	13.9	16.1	99.9	0.003	8.1	2.51
69.6	12.6	-0.01	28.7					
81.500	71.6	-102.5	14.0	16.0	99.9	0.007	8.1	2.51
69.6	12.4	-0.01	28.5					
81.600	72.0	-102.5	13.9	16.0	101.2	0.009	8.1	2.53
69.6	11.2	-0.01	28.6					
81.700	72.0	-102.5	13.9	15.9	103.6	0.007	8.1	2.53
69.6	11.1	-0.01	28.7					
81.800	73.3	-102.5	13.7	15.9	108.4	0.007	8.1	2.52
69.6	11.7	-0.01	28.5					
81.900	73.9	-102.5	13.5	15.7	104.0	0.009	8.1	2.53
69.6	11.3	-0.01	28.9					
82.000	74.5	-102.5	13.4	15.6	103.4	0.014	8.1	2.53
69.6	11.2	-0.01	28.6					
82.100	73.8	-102.5	13.6	15.4	104.2	0.015	8.1	2.53
69.6	11.0	-0.01	28.8					
82.200	74.2	-102.5	13.5	15.4	104.5	0.018	8.1	2.54
69.6	10.4	-0.01	29.8					
82.300	74.8	-102.5	13.4	15.3	106.6	0.021	8.1	2.55
69.6	10.0	-0.01	30.3					
82.400	76.1	-102.5	13.1	15.1	103.4	0.023	8.1	2.55
69.6	10.0	-0.01	29.0					
82.500	76.6	-102.5	13.1	15.0	101.4	0.026	8.1	2.55
69.6	10.0	-0.01	29.2					
82.600	77.0	-102.5	13.0	15.0	97.5	0.022	8.1	2.55
69.6	9.6	-0.01	29.4					
82.700	77.4	-102.5	12.9	14.9	100.4	0.024	8.1	2.54
69.6	10.4	-0.01	29.3					
82.800	78.9	-102.5	12.7	14.8	103.8	0.019	8.1	2.54
69.6	10.3	-0.01	29.5					
82.900	79.9	-102.5	12.5	14.7	103.8	0.020	8.1	2.54
69.6	10.4	-0.01	29.3					
83.000	80.9	-102.5	12.4	14.6	104.7	0.018	8.1	2.55
69.6	9.7	-0.01	29.5					
83.100	80.9	-102.5	12.4	14.6	106.0	0.021	8.1	2.54
69.6	10.5	-0.01	29.2					
83.200	81.9	-102.5	12.2	14.6	103.8	0.016	8.1	2.54
69.6	10.6	-0.01	29.5					
83.300	82.4	-102.5	12.1	14.5	100.4	0.013	8.1	2.53
69.6	11.0	-0.01	29.8					
83.400	83.6	-102.5	12.0	14.4	103.8	0.010	8.1	2.53
69.6	11.4	-0.01	29.5					
83.500	84.3	-102.5	11.9	14.3	108.4	0.009	8.1	2.52
69.6	11.5	-0.01	30.2					
83.600	84.9	-102.5	11.8	14.3	108.1	0.006	8.1	2.52
69.6	11.7	-0.01	29.8					
83.700	85.8	-102.4	11.7	14.2	106.0	0.004	8.1	2.52
69.6	11.7	-0.01	29.0					
83.800	86.7	-102.5	11.5	14.1	103.8	0.005	8.1	2.52
69.6	11.9	-0.01	29.0					
83.900	87.3	-102.5	11.5	13.9	111.2	0.006	8.1	2.52
69.6	11.8	-0.01	28.7					
84.000	87.3	-102.5	11.5	13.8	114.4	0.006	8.1	2.52
69.6	11.8	-0.01	28.6					

84.100	88.1	-102.5	11.4	13.6	116.4	0.007	8.1	2.52
69.6	11.6	-0.01	28.3					
84.200	88.8	-102.5	11.3	13.5	114.6	0.007	8.2	2.53
69.6	11.4	-0.01	28.4					
84.300	89.6	-102.5	11.2	13.3	112.5	0.003	8.2	2.52
69.6	11.5	-0.01	28.8					
84.400	89.1	-102.5	11.2	13.1	116.4	-0.002	8.2	2.52
69.6	11.9	-0.01	28.8					
84.500	88.7	-102.5	11.3	12.9	118.5	0.002	8.1	2.51
69.6	12.7	-0.01	29.3					
84.600	88.4	-102.5	11.3	12.8	120.5	-0.000	8.2	2.51
69.6	12.4	-0.01	30.1					
84.700	88.7	-102.4	11.3	12.6	123.9	0.004	8.1	2.51
69.6	12.4	-0.01	29.7					
84.800	90.2	-102.4	11.1	12.6	122.0	0.006	8.2	2.51
69.6	12.1	-0.01	29.4					
84.900	90.6	-102.3	11.0	12.5	122.0	0.007	8.1	2.51
69.6	12.3	-0.01	29.5					
85.000	90.5	-102.3	11.0	12.5	116.8	0.007	8.1	2.51
69.6	12.4	-0.01	29.1					
85.100	89.9	-102.2	11.1	12.4	118.3	0.009	8.1	2.50
69.6	12.9	-0.01	29.1					
85.200	90.0	-102.2	11.1	12.4	120.0	0.006	8.1	2.49
69.6	13.6	-0.01	29.2					
85.300	90.0	-102.2	11.1	12.4	120.0	0.002	8.1	2.49
69.6	13.4	-0.01	28.8					
85.400	89.6	-102.1	11.2	12.4	116.6	0.005	8.1	2.50
69.6	13.3	-0.01	28.6					
85.500	88.9	-102.1	11.3	12.4	115.3	0.007	8.2	2.50
69.6	13.2	-0.01	28.5					
85.600	88.0	-102.1	11.4	12.5	113.3	0.009	8.0	2.49
69.6	13.7	-0.01	28.6					
85.700	87.2	-102.1	11.5	12.7	114.6	0.011	8.0	2.49
69.6	13.8	-0.01	28.8					
85.800	86.1	-102.2	11.6	12.9	112.5	0.007	8.0	2.49
69.6	13.9	-0.01	28.1					
85.900	85.3	-102.3	11.7	13.1	108.1	0.009	8.0	2.48
69.6	14.5	-0.01	28.1					
86.000	84.5	-102.5	11.8	13.4	105.5	0.004	8.0	2.48
69.6	14.5	-0.01	27.7					
86.100	84.6	-102.7	11.8	13.7	101.4	0.003	8.0	2.48
69.6	14.6	-0.01	26.9					
86.200	84.1	-103.0	11.9	14.1	97.3	0.004	8.0	2.48
69.6	14.4	-0.01	26.9					
86.300	83.9	-103.4	11.9	14.5	94.9	0.008	8.0	2.48
69.6	14.1	-0.01	27.2					
86.400	82.7	-103.7	12.1	14.9	94.3	0.009	8.0	2.48
69.6	14.4	-0.01	26.7					
86.500	82.5	-104.1	12.1	15.3	91.7	0.011	8.0	2.48
69.6	14.3	-0.01	26.5					
86.600	81.8	-104.5	12.2	15.7	89.1	0.015	8.0	2.48
69.6	14.0	-0.01	26.4					
86.700	81.4	-105.0	12.3	16.1	86.7	0.011	8.0	2.48
69.6	14.1	-0.01	26.2					

86.800	81.0	-105.5	12.3	16.5	85.4	0.006	8.0	2.48
69.6	14.5	-0.01	26.0					
86.900	80.6	-106.0	12.4	16.7	81.3	0.003	8.0	2.47
69.6	15.0	-0.01	26.1					
87.000	80.2	-106.5	12.5	17.1	79.6	0.002	8.0	2.47
69.6	14.7	-0.01	26.0					
87.100	79.4	-106.9	12.6	17.4	80.5	0.006	8.0	2.48
69.6	14.5	-0.00	25.8					
87.200	78.9	-107.4	12.7	17.6	78.7	0.007	8.0	2.48
69.6	14.2	-0.01	25.9					
87.300	78.5	-107.9	12.7	17.7	81.3	0.010	8.0	2.48
69.6	14.5	-0.01	26.1					
87.400	77.9	-108.3	12.8	18.0	83.5	0.008	8.0	2.49
69.6	14.0	-0.00	26.0					
87.500	77.2	-108.7	13.0	18.0	82.8	0.007	8.0	2.49
69.6	13.6	-0.01	25.9					
87.600	76.8	-109.0	13.0	18.1	83.3	0.005	8.0	2.49
69.6	13.7	-0.01	25.9					
87.700	75.9	-109.4	13.2	18.1	82.4	0.007	8.0	2.48
69.6	14.2	-0.01	25.8					
87.800	75.7	-109.7	13.2	18.2	84.1	0.006	8.0	2.48
69.6	14.3	-0.01	25.2					
87.900	75.1	-110.0	13.3	18.4	83.1	0.007	8.0	2.48
69.6	14.3	-0.01	25.5					
88.000	74.2	-110.2	13.5	18.6	84.6	0.006	8.0	2.48
69.6	14.6	-0.01	25.7					
88.100	72.4	-110.4	13.8	18.5	82.0	0.008	8.0	2.47
69.6	14.8	-0.01	25.8					
88.200	70.8	-110.5	14.1	18.8	82.6	0.007	8.0	2.47
69.6	14.9	-0.01	26.3					
88.300	69.9	-110.7	14.3	18.9	80.9	0.005	8.0	2.47
69.6	15.0	-0.01	27.2					
88.400	68.9	-110.7	14.5	19.0	84.6	0.001	8.0	2.47
69.6	14.8	-0.01	27.3					
88.500	68.0	-110.6	14.7	19.2	85.4	-0.001	8.0	2.46
69.6	15.6	-0.01	27.2					
88.600	67.2	-110.5	14.9	19.3	87.6	-0.002	8.0	2.46
69.5	15.6	-0.01	27.0					
88.700	67.3	-110.4	14.9	19.4	89.8	0.001	8.0	2.46
69.6	15.8	-0.01	26.4					
88.800	67.0	-110.3	14.9	19.5	88.0	-0.001	8.0	2.46
69.6	15.5	-0.01	26.9					
88.900	66.9	-110.1	14.9	19.4	88.5	-0.004	8.0	2.46
69.6	15.7	-0.01	27.0					
89.000	66.5	-109.9	15.0	19.5	88.2	-0.008	8.0	2.45
69.5	16.2	-0.01	27.0					
89.100	66.4	-109.7	15.1	19.6	90.0	-0.008	8.0	2.44
69.6	16.5	-0.01	26.7					
89.200	66.1	-109.6	15.1	19.5	92.4	-0.009	8.0	2.45
69.5	16.3	-0.01	26.8					
89.300	66.2	-109.4	15.1	19.5	93.9	-0.008	8.0	2.45
69.6	16.2	-0.01	27.0					
89.400	66.2	-109.1	15.1	19.3	93.4	-0.007	8.0	2.46
69.5	15.6	-0.01	27.0					

89.500	65.8	-108.9	15.2	19.3	92.8	-0.003	8.0	2.46
69.5	15.8	-0.01	26.7					
89.600	64.5	-108.7	15.5	19.2	96.7	-0.001	8.0	2.46
69.6	15.7	-0.01	26.8					
89.700	64.6	-108.5	15.5	19.2	98.0	-0.003	8.0	2.46
69.5	15.6	-0.01	26.8					
89.800	64.7	-108.3	15.5	19.0	101.0	-0.002	8.0	2.46
69.5	15.6	-0.01	26.0					
89.900	65.7	-108.1	15.2	18.8	100.4	-0.005	8.0	2.46
69.5	15.4	-0.01	25.7					
90.000	65.4	-107.8	15.3	18.6	100.8	-0.005	8.0	2.47
69.5	14.8	-0.01	26.7					
90.100	66.2	-107.6	15.1	18.5	101.0	-0.004	8.0	2.46
69.5	15.3	-0.01	27.4					
90.200	66.5	-107.4	15.0	18.5	100.1	-0.007	8.0	2.47
69.5	15.1	-0.01	27.5					
90.300	67.1	-107.2	14.9	18.3	98.4	-0.007	8.0	2.47
69.5	15.2	-0.00	26.7					
90.400	66.7	-107.0	15.0	18.3	99.3	-0.006	8.0	2.47
69.5	14.9	-0.00	26.4					
90.500	66.8	-106.6	15.0	18.4	101.4	-0.006	8.0	2.47
69.5	14.7	-0.01	26.3					
90.600	66.4	-106.4	15.1	18.5	103.6	-0.005	8.0	2.47
69.5	14.7	-0.00	27.3					
90.700	66.7	-106.0	15.0	18.5	105.8	-0.006	8.0	2.47
69.5	14.7	-0.01	27.4					
90.800	89.0	-105.8	14.8	18.6	105.1	-0.009	8.0	2.48
69.5	14.6	-0.01	27.4					
90.900	48.9	-105.6	14.6	18.5	105.8	-0.005	8.0	2.47
69.5	14.9	-0.01	27.4					
91.000	48.7	-105.3	14.6	18.7	109.7	-0.002	8.0	2.47
69.5	14.9	-0.01	27.6					
91.100	26.0	-105.1	14.9	18.8	104.5	-0.001	8.0	2.47
69.5	14.7	-0.01	27.3					
91.200	66.0	-104.9	15.2	18.8	102.7	-0.001	8.0	2.47
69.5	14.7	-0.01	27.0					
91.300	65.2	-104.7	15.3	19.1	101.4	-0.001	8.0	2.47
69.5	14.6	-0.01	26.7					
91.400	64.6	-104.6	15.5	19.6	101.7	-0.001	8.0	2.47
69.5	14.6	-0.01	26.9					
91.500	63.8	-104.4	15.7	19.9	100.1	0.002	8.0	2.46
69.5	15.4	-0.01	25.9					
91.600	63.4	-104.4	15.8	20.3	95.2	-0.001	8.0	2.47
69.5	15.2	-0.01	25.2					
91.700	63.7	-104.4	15.7	20.7	92.1	0.001	8.0	2.46
69.5	15.3	-0.01	25.4					
91.800	63.6	-104.6	15.7	21.2	90.0	0.001	8.0	2.46
69.5	15.3	-0.01	25.5					
91.900	63.2	-104.8	15.8	21.9	83.5	-0.000	8.0	2.46
69.5	15.6	-0.01	25.9					
92.000	62.6	-105.2	16.0	22.5	80.2	-0.002	8.0	2.46
69.5	15.6	-0.01	25.8					
92.100	61.8	-106.0	16.2	23.0	77.6	-0.000	8.0	2.46
69.5	15.8	-0.01	24.7					

92.200	61.5	-107.0	16.3	23.5	71.6	-0.003	8.0	2.46
69.5 15.6	-0.01	24.4						
92.300	60.5	-108.1	16.5	24.4	71.2	-0.001	8.0	2.45
69.5 16.1	-0.01	24.0						
92.400	60.4	-109.3	16.6	25.0	69.2	0.001	8.0	2.46
69.5 15.7	-0.01	24.0						
92.500	60.1	-110.5	16.6	25.6	65.5	0.004	8.0	2.46
69.5 15.4	-0.01	23.6						
92.600	60.0	-111.7	16.7	26.1	67.3	0.006	7.9	2.46
69.5 15.4	-0.01	23.3						
92.700	60.0	-112.9	16.7	26.4	63.4	0.007	8.0	2.46
69.5 15.4	-0.00	22.8						
92.800	58.9	-114.0	17.0	26.8	63.6	0.007	8.0	2.46
69.5 15.3	-0.00	22.4						
92.900	58.5	-115.2	17.1	27.2	59.3	0.011	8.0	2.47
69.5 15.1	-0.00	22.2						
93.000	57.5	-116.3	17.4	27.3	57.5	0.014	8.0	2.48
69.5 14.5	-0.00	22.0						
93.100	57.4	-117.2	17.4	27.5	57.5	0.014	7.9	2.48
69.5 14.2	-0.00	22.4						
93.200	56.9	-117.9	17.6	28.0	57.1	0.016	8.0	2.49
69.5 13.8	-0.00	21.8						
93.300	56.2	-118.3	17.8	28.2	56.7	0.021	8.0	2.48
69.5 14.3	-0.00	22.0						
93.400	56.3	-118.6	17.8	28.3	56.7	0.018	8.0	2.48
69.5 14.2	-0.00	21.4						
93.500	55.3	-118.8	18.1	28.5	53.9	0.018	8.0	2.48
69.5 14.2	-0.00	21.6						
93.600	54.9	-119.2	18.2	28.7	52.3	0.018	8.0	2.49
69.5 14.0	-0.00	21.8						
93.700	54.3	-119.5	18.4	29.1	53.2	0.017	8.0	2.49
69.5 14.0	-0.00	21.7						
93.800	54.2	-119.9	18.5	29.5	51.9	0.018	8.0	2.49
69.5 13.8	-0.00	22.1						
93.900	54.2	-120.4	18.4	29.4	51.5	0.016	7.9	2.48
69.5 14.1	-0.00	21.9						
94.000	52.6	-120.8	19.0	29.5	51.7	0.016	8.0	2.48
69.5 14.4	-0.00	22.1						
94.100	50.9	-121.1	19.7	29.7	51.5	0.014	8.0	2.48
69.5 14.4	-0.00	22.1						
94.200	50.2	-121.3	19.9	30.0	51.0	0.013	7.9	2.48
69.5 14.3	-0.00	22.4						
94.300	49.8	-121.5	20.1	30.2	46.9	0.009	8.0	2.48
69.5 14.1	-0.00	23.0						
94.400	49.7	-121.8	20.1	30.1	46.5	0.012	8.0	2.48
69.5 14.4	-0.00	22.8						
94.500	48.9	-122.0	20.4	30.2	48.0	0.011	8.0	2.47
69.5 15.0	-0.01	23.0						
94.600	48.8	-122.2	20.5	30.2	48.7	0.007	8.0	2.47
69.5 15.2	-0.01	22.6						
94.700	49.0	-122.2	20.4	30.4	50.8	0.009	8.0	2.46
69.5 15.5	-0.01	22.9						
94.800	48.3	-122.1	20.7	30.3	50.8	0.009	8.0	2.47
69.5 14.9	-0.01	22.5						

94.900	48.2	-121.9	20.8	30.0	50.6	0.008	8.0	2.47
69.5 14.7	-0.01	22.3						
95.000	47.4	-121.7	21.1	30.0	54.9	0.009	8.0	2.47
69.5 14.9	-0.01	22.0						
95.100	47.8	-121.6	20.9	29.8	53.0	0.006	8.0	2.46
69.5 15.3	-0.01	22.0						
95.200	47.3	-121.4	21.2	29.5	52.8	0.003	7.9	2.46
69.5 15.6	-0.01	22.1						
95.300	47.1	-121.4	21.2	29.3	51.9	-0.000	8.0	2.45
69.5 16.2	-0.01	22.2						
95.400	46.9	-121.3	21.3	29.0	53.2	-0.002	8.0	2.45
69.5 15.9	-0.01	22.0						
95.500	47.7	-121.2	21.0	29.0	52.6	0.001	7.9	2.45
69.5 15.9	-0.01	22.2						
95.600	48.2	-121.2	20.8	28.8	54.1	-0.001	8.0	2.46
69.5 15.8	-0.01	22.8						
95.700	48.2	-121.2	20.7	28.4	57.3	-0.003	7.9	2.45
69.5 16.0	-0.01	22.4						
95.800	48.2	-121.2	20.7	28.2	59.0	-0.003	7.9	2.45
69.5 16.3	-0.01	22.2						
95.900	48.4	-121.4	20.6	28.2	61.2	-0.000	8.0	2.44
69.5 16.5	-0.01	22.5						
96.000	48.5	-121.5	20.6	27.8	62.1	-0.001	7.9	2.45
69.5 15.9	-0.01	22.6						
96.100	48.3	-121.7	20.7	27.7	61.4	-0.002	8.0	2.45
69.5 16.1	-0.01	22.3						
96.200	48.5	-121.8	20.6	27.7	58.4	-0.003	8.0	2.45
69.5 16.2	-0.01	22.5						
96.300	48.9	-121.8	20.5	27.8	59.3	-0.006	8.0	2.45
69.5 16.3	-0.01	22.3						
96.400	49.9	-121.5	20.0	27.7	59.5	-0.006	8.0	2.44
69.5 16.6	-0.01	22.8						
96.500	50.6	-121.2	19.8	27.7	57.3	-0.005	8.0	2.44
69.5 16.5	-0.01	23.0						
96.600	51.6	-120.5	19.4	27.5	59.9	-0.005	8.0	2.45
69.5 16.4	-0.01	23.4						
96.700	51.5	-119.9	19.4	27.4	62.3	-0.002	8.0	2.44
69.5 16.7	-0.01	23.2						
96.800	51.3	-119.1	19.5	27.1	64.2	-0.008	8.0	2.45
69.5 16.4	-0.01	23.1						
96.900	52.0	-118.5	19.2	26.7	62.9	-0.008	8.0	2.43
69.5 17.1	-0.01	23.4						
97.000	52.5	-118.0	19.1	26.4	63.6	-0.008	8.0	2.44
69.5 16.9	-0.01	22.8						
97.100	53.4	-117.9	18.7	26.1	65.8	-0.009	8.0	2.44
69.5 17.0	-0.01	22.6						
97.200	53.2	-117.9	18.8	25.7	67.3	-0.012	8.0	2.44
69.5 16.8	-0.01	23.0						
97.300	53.3	-118.1	18.8	25.5	70.9	-0.008	8.0	2.44
69.5 17.0	-0.01	22.8						
97.400	53.4	-118.3	18.7	25.3	71.4	-0.010	8.0	2.44
69.5 16.7	-0.00	22.8						
97.500	53.5	-118.5	18.7	25.2	70.5	-0.005	8.0	2.44
69.5 16.7	-0.00	23.1						

97.600	54.0	-118.6	18.5	25.0	72.9	-0.004	8.0	2.44
69.5 16.8	-0.00	23.3						
97.700	53.9	-118.5	18.6	24.8	75.5	-0.005	8.0	2.44
69.5 16.6	-0.00	23.3						
97.800	54.9	-118.0	18.2	24.5	77.0	-0.002	8.0	2.44
69.5 16.5	-0.00	23.8						
97.900	55.4	-117.5	18.1	24.1	80.0	-0.001	8.0	2.44
69.5 16.8	-0.00	23.9						
98.000	56.7	-117.0	17.6	23.7	82.6	-0.002	8.0	2.44
69.5 16.9	-0.00	23.6						
98.100	56.6	-116.2	17.7	23.5	83.9	-0.000	8.0	2.43
69.5 17.2	-0.00	23.3						
98.200	56.5	-115.1	17.7	23.3	83.9	-0.002	8.0	2.43
69.5 17.1	-0.00	23.5						
98.300	55.7	-113.9	18.0	23.2	82.4	-0.000	8.0	2.44
69.5 16.9	-0.00	23.0						
98.400	55.6	-112.6	18.0	23.0	85.2	0.003	8.0	2.44
69.5 16.5	-0.00	22.8						
98.500	55.9	-111.6	17.9	22.7	84.4	0.003	8.0	2.44
69.5 16.8	-0.00	23.1						
98.600	56.9	-110.9	17.6	22.8	82.2	-0.001	8.0	2.44
69.5 16.9	-0.00	23.4						
98.700	57.6	-110.5	17.4	22.5	85.2	-0.000	8.0	2.44
69.5 16.9	-0.00	23.4						
98.800	58.1	-110.6	17.2	22.2	81.5	-0.004	8.0	2.44
69.5 16.8	-0.00	23.9						
98.900	57.9	-111.2	17.3	22.1	83.3	-0.003	8.0	2.43
69.5 17.2	-0.00	23.6						
99.000	57.7	-111.7	17.3	21.9	87.2	-0.002	8.0	2.43
69.5 17.6	-0.00	23.1						
99.100	57.8	-112.2	17.3	21.7	90.8	-0.004	8.0	2.43
69.5 17.4	-0.00	23.4						
99.200	58.7	-112.7	17.0	21.6	92.1	-0.005	8.0	2.43
69.5 17.6	-0.00	23.5						
99.300	59.8	-113.0	16.7	21.3	90.6	-0.001	8.0	2.42
69.5 17.8	-0.00	23.3						
99.400	60.6	-113.2	16.5	21.2	90.6	-0.002	8.0	2.43
69.5 17.4	-0.00	23.6						
99.500	60.6	-113.1	16.5	21.0	94.5	0.002	8.0	2.43
69.5 17.4	-0.00	24.4						
99.600	60.5	-112.8	16.5	20.9	97.1	-0.000	8.0	2.44
69.5 16.8	-0.00	24.3						
99.700	60.7	-112.5	16.5	20.6	98.8	-0.001	8.0	2.44
69.5 16.6	-0.00	24.5						
99.800	60.7	-112.1	16.5	20.5	103.2	-0.001	8.0	2.44
69.5 16.9	-0.00	25.0						
99.900	60.7	-111.7	16.5	20.4	105.3	-0.001	8.0	2.44
69.5 16.9	-0.00	25.2						
100.000	60.9	-111.2	16.4	20.5	107.1	0.000	8.0	2.44
69.5 16.8	-0.00	25.1						
100.100	61.4	-110.6	16.3	20.5	111.8	-0.001	8.0	2.44
69.5 16.8	-0.00	25.2						
100.200	61.9	-110.1	16.2	20.5	108.1	-0.001	8.0	2.44
69.5 16.7	-0.00	25.3						

100.300	62.5	-109.5	16.0	20.3	111.6	-0.001	8.0	2.45
69.5	16.1	-0.00	25.2					
100.400	62.6	-109.1	16.0	20.4	112.3	0.003	8.0	2.45
69.5	16.0	-0.00	25.5					
100.500	62.6	-108.9	16.0	20.2	111.0	0.006	8.0	2.46
69.5	15.8	-0.00	25.9					
100.600	62.6	-108.7	16.0	20.0	109.7	0.005	8.0	2.46
69.5	15.3	-0.00	25.6					
100.700	63.2	-108.6	15.8	19.9	109.9	0.007	8.0	2.47
69.5	15.1	-0.00	25.7					
100.800	62.9	-108.4	15.9	19.7	112.9	0.007	8.0	2.47
69.5	15.0	-0.01	25.5					
100.900	62.5	-108.1	16.0	19.6	111.6	0.007	8.0	2.47
69.5	14.9	-0.01	24.9					
101.000	62.4	-107.9	16.0	19.5	109.4	0.006	8.0	2.47
69.5	14.9	-0.01	24.8					
101.100	62.7	-107.6	16.0	19.5	106.0	0.007	8.0	2.47
69.5	14.9	-0.01	25.2					
101.200	63.4	-107.4	15.8	19.6	103.8	0.008	8.0	2.48
69.5	14.4	-0.01	25.1					
101.300	62.5	-107.4	16.0	19.7	100.8	0.009	8.0	2.48
69.5	14.2	-0.01	25.1					
101.400	62.3	-107.2	16.1	19.9	99.7	0.010	8.0	2.49
69.5	13.8	-0.01	25.2					
101.500	61.6	-107.2	16.2	20.0	100.1	0.012	8.0	2.49
69.5	13.9	-0.01	25.9					
101.600	61.5	-107.1	16.3	20.3	98.8	0.010	8.0	2.49
69.5	14.0	-0.01	26.5					
101.700	61.6	-107.2	16.2	20.5	99.1	0.006	8.0	2.49
69.5	13.8	-0.01	26.4					
101.800	61.4	-107.4	16.3	20.7	99.5	0.005	8.0	2.48
69.5	14.2	-0.01	26.4					
101.900	61.0	-107.6	16.4	20.9	96.7	0.004	8.0	2.48
69.5	14.5	-0.01	26.6					
102.000	61.4	-107.8	16.3	21.0	96.5	0.000	8.0	2.48
69.5	14.2	-0.01	26.2					
102.100	61.5	-107.9	16.3	21.1	93.9	0.000	8.0	2.48
69.5	14.4	-0.01	26.7					
102.200	62.0	-108.1	16.1	21.2	94.5	0.002	8.0	2.47
69.5	14.6	-0.01	26.9					
102.300	61.2	-108.4	16.4	21.4	93.2	0.001	8.0	2.47
69.5	14.8	-0.00	27.3					
102.400	61.1	-108.6	16.4	21.5	93.2	-0.002	8.0	2.47
69.5	15.0	-0.00	27.3					
102.500	61.2	-108.8	16.3	21.6	91.1	-0.003	8.0	2.47
69.5	14.6	-0.00	27.6					
102.600	61.6	-108.9	16.2	21.6	91.7	-0.004	8.0	2.48
69.5	14.4	-0.00	27.2					
102.700	61.8	-108.9	16.2	21.7	90.4	-0.002	8.0	2.48
69.5	14.1	-0.00	27.1					
102.800	62.3	-108.8	16.1	21.7	90.4	0.000	8.0	2.49
69.5	13.7	-0.00	27.1					
102.900	62.5	-108.7	16.0	21.8	89.1	0.004	8.0	2.49
69.5	13.8	0.00	27.2					

103.000	61.7	-108.7	16.2	21.7	89.1	0.006	8.0	2.49
69.5	13.7	-0.00	26.8					
103.100	61.5	-108.8	16.3	21.6	86.3	0.005	8.0	2.50
69.5	13.3	-0.00	26.4					
103.200	61.0	-109.0	16.4	21.5	88.9	0.008	8.0	2.49
69.5	13.5	-0.00	26.5					
103.300	61.5	-109.1	16.3	21.5	87.6	0.008	8.0	2.49
69.5	13.4	0.00	26.6					
103.400	60.8	-109.2	16.5	21.4	88.2	0.007	8.0	2.50
69.5	13.1	-0.00	26.4					
103.500	61.1	-109.2	16.4	21.5	85.0	0.006	8.0	2.51
69.5	12.7	0.00	26.3					
103.600	61.0	-109.2	16.4	21.4	84.6	0.008	8.0	2.51
69.5	12.6	0.00	26.1					
103.700	61.7	-109.2	16.2	21.2	82.4	0.012	8.0	2.51
69.5	12.6	-0.00	25.9					
103.800	61.8	-109.2	16.2	21.1	84.1	0.010	8.0	2.52
69.5	12.1	-0.00	25.9					
103.900	61.5	-109.3	16.3	21.1	86.9	0.010	8.0	2.52
69.5	11.6	0.00	26.2					
104.000	61.8	-109.3	16.2	20.8	87.8	0.011	8.0	2.52
69.5	11.5	0.00	25.7					
104.100	60.6	-109.1	16.5	20.7	89.3	0.009	8.0	2.52
69.5	12.0	-0.00	25.5					
104.200	61.1	-108.8	16.4	20.5	90.2	0.006	8.0	2.51
69.5	12.5	-0.00	25.2					
104.300	61.0	-108.6	16.4	20.4	89.3	0.004	8.0	2.50
69.5	12.9	-0.00	25.1					
104.400	62.0	-108.3	16.1	20.4	90.4	0.002	8.0	2.50
69.5	13.0	-0.00	24.8					
104.500	61.8	-108.0	16.2	20.3	90.8	0.000	8.0	2.51
69.5	12.5	-0.00	24.9					
104.600	60.9	-107.8	16.4	20.3	93.7	0.002	8.0	2.50
69.5	12.9	-0.00	24.5					
104.700	60.8	-107.5	16.4	20.4	91.1	0.002	8.0	2.50
69.5	12.8	-0.00	24.5					
104.800	61.5	-107.3	16.3	20.3	91.9	0.002	8.0	2.50
69.5	12.7	-0.00	24.4					
104.900	62.5	-107.0	16.0	20.2	94.5	0.000	8.0	2.51
69.5	12.2	-0.00	24.3					
105.000	63.0	-106.7	15.9	20.0	99.3	0.003	8.0	2.52
69.5	12.1	-0.00	24.7					
105.100	63.0	-106.5	15.9	19.8	101.0	0.009	8.0	2.51
69.5	12.4	-0.00	24.4					
105.200	62.8	-106.5	15.9	19.6	100.6	0.007	8.0	2.52
69.5	12.1	-0.00	24.1					
105.300	62.7	-106.4	15.9	19.4	100.6	0.006	8.0	2.51
69.5	12.2	-0.00	24.0					
105.400	62.8	-106.3	15.9	19.2	99.9	0.004	8.0	2.51
69.5	12.3	-0.01	23.9					
105.500	62.7	-106.2	16.0	19.0	99.9	0.007	8.0	2.52
69.5	12.1	-0.01	23.7					
105.600	62.7	-106.1	16.0	18.9	101.2	0.010	8.0	2.52
69.5	11.9	-0.01	24.4					

105.700	63.1	-106.0	15.9	18.7	101.9	0.010	8.0	2.52
69.5	11.9	-0.01	25.2					
105.800	63.8	-105.9	15.7	18.7	104.9	0.010	8.0	2.52
69.5	11.8	-0.01	25.4					
105.900	64.4	-105.8	15.5	18.7	107.3	0.008	8.0	2.52
69.5	11.6	-0.01	25.4					
106.000	65.8	-105.8	15.2	18.8	106.4	0.011	8.0	2.52
69.5	11.5	-0.00	25.4					
106.100	66.1	-105.8	15.1	18.7	104.7	0.012	8.0	2.54
69.5	10.9	-0.00	25.5					
106.200	66.3	-105.8	15.1	18.8	106.0	0.017	8.0	2.54
69.5	10.6	-0.00	25.6					
106.300	66.1	-105.8	15.1	18.8	105.1	0.016	8.0	2.54
69.5	10.5	-0.00	25.5					
106.400	66.4	-105.8	15.1	18.8	103.2	0.013	8.0	2.54
69.5	10.9	-0.00	25.6					
106.500	67.2	-105.8	14.9	18.7	100.8	0.015	8.0	2.53
69.5	11.2	-0.00	25.4					
106.600	66.9	-105.8	15.0	18.6	99.5	0.015	8.0	2.53
69.5	11.1	-0.00	25.6					
106.700	67.2	-105.7	14.9	18.5	102.7	0.021	8.0	2.55
69.5	10.0	-0.00	26.0					
106.800	66.7	-105.7	15.0	18.4	106.6	0.027	8.0	2.55
69.4	9.6	-0.00	26.1					
106.900	66.7	-105.6	15.0	18.4	110.1	0.026	8.0	2.56
69.5	9.5	-0.00	26.4					
107.000	66.5	-105.6	15.0	18.2	110.7	0.031	8.0	2.56
69.5	9.6	-0.00	26.5					
107.100	67.2	-105.4	14.9	18.2	108.6	0.034	8.0	2.56
69.5	9.5	-0.00	27.2					
107.200	67.5	-105.4	14.8	18.2	109.7	0.033	8.0	2.56
69.5	9.5	-0.00	26.9					
107.300	67.6	-105.3	14.8	18.2	110.7	0.032	8.0	2.57
69.4	8.9	-0.01	26.9					
107.400	67.7	-105.2	14.8	18.2	106.8	0.033	8.0	2.56
69.4	9.5	-0.00	26.6					
107.500	68.1	-105.1	14.7	18.4	110.3	0.026	8.0	2.56
69.5	9.2	-0.01	26.3					
107.600	69.3	-105.0	14.4	18.4	108.6	0.029	8.0	2.55
69.4	9.7	-0.01	25.7					
107.700	69.1	-105.1	14.5	18.5	110.3	0.029	8.0	2.55
69.5	10.0	-0.00	25.6					
107.800	68.9	-105.2	14.5	18.6	110.7	0.026	8.0	2.56
69.5	9.6	-0.01	25.6					
107.900	68.3	-105.3	14.6	18.7	111.2	0.028	8.0	2.55
69.4	9.9	-0.00	25.6					
108.000	68.6	-105.4	14.6	18.9	111.4	0.022	8.0	2.55
69.5	9.8	-0.01	25.4					
108.100	68.4	-105.6	14.6	19.0	111.6	0.017	8.0	2.55
69.4	9.9	-0.01	25.3					
108.200	68.3	-105.7	14.6	19.0	109.7	0.016	8.0	2.53
69.5	10.9	-0.00	25.1					
108.300	68.2	-105.8	14.7	19.3	104.9	0.013	8.0	2.53
69.4	11.2	-0.00	25.1					

108.400	67.9	-105.8	14.7	19.3	102.7	0.010	8.0	2.53
69.4	11.2	-0.01	25.0					
108.500	67.1	-105.9	14.9	19.4	101.7	0.014	8.0	2.53
69.4	11.1	-0.00	26.5					
108.600	66.7	-106.0	15.0	19.4	102.1	0.017	8.0	2.54
69.5	10.8	-0.00	25.7					
108.700	67.0	-106.1	14.9	19.3	102.5	0.015	8.0	2.54
69.4	10.7	-0.00	25.5					
108.800	67.5	-106.1	14.8	19.4	100.1	0.018	8.0	2.53
69.4	11.1	-0.00	25.7					
108.900	67.6	-106.2	14.8	19.2	101.4	0.014	8.0	2.54
69.4	10.5	-0.00	26.0					
109.000	67.6	-106.1	14.8	19.0	100.1	0.015	8.0	2.53
69.4	11.1	-0.00	26.1					
109.100	67.3	-106.2	14.9	19.0	101.2	0.017	8.0	2.53
69.5	10.9	-0.00	26.8					
109.200	66.7	-106.1	15.0	19.1	95.6	0.015	8.0	2.54
69.4	10.7	-0.00	26.4					
109.300	66.4	-106.1	15.1	19.1	94.3	0.018	8.0	2.53
69.4	11.3	-0.00	26.7					
109.400	66.6	-106.1	15.0	19.0	93.7	0.013	8.0	2.53
69.4	11.3	-0.00	26.8					
109.500	66.9	-106.1	15.0	18.9	92.4	0.010	8.0	2.53
69.4	11.3	-0.00	27.4					
109.600	66.5	-106.1	15.0	19.0	93.2	0.013	8.0	2.53
69.5	11.4	-0.00	27.8					
109.700	66.3	-106.2	15.1	19.0	95.4	0.014	8.0	2.53
69.4	11.2	-0.00	27.8					
109.800	66.5	-106.2	15.0	19.0	97.5	0.013	8.0	2.53
69.4	11.2	-0.00	28.2					
109.900	67.0	-106.2	14.9	19.1	95.4	0.010	8.0	2.53
69.4	11.4	-0.00	27.9					
110.000	66.8	-106.2	15.0	19.3	98.8	0.009	8.0	2.52
69.4	11.8	-0.00	26.3					
110.100	66.3	-106.2	15.1	19.2	98.2	0.009	8.0	2.52
69.4	11.9	-0.00	26.3					
110.200	66.0	-106.2	15.1	19.3	98.2	0.006	8.0	2.52
69.4	11.7	-0.00	26.4					
110.300	65.5	-106.3	15.3	19.2	103.0	0.005	8.0	2.52
69.4	11.5	-0.00	26.1					
110.400	65.0	-106.4	15.4	19.1	107.1	0.006	8.0	2.53
69.4	11.4	-0.00	26.0					
110.500	64.6	-106.4	15.5	19.1	107.9	0.009	8.0	2.53
69.4	11.1	-0.00	26.1					
110.600	65.2	-106.4	15.3	19.0	109.7	0.009	8.0	2.53
69.4	11.4	-0.00	26.0					
110.700	65.5	-106.3	15.3	18.8	112.7	0.010	8.0	2.52
69.4	11.7	-0.00	26.3					
110.800	65.8	-106.3	15.2	19.0	112.7	0.010	8.0	2.52
69.4	11.8	-0.00	26.3					
110.900	65.5	-106.3	15.3	18.9	115.7	0.007	8.0	2.53
69.4	11.3	-0.00	26.3					
111.000	65.5	-106.3	15.3	19.0	120.5	0.008	8.0	2.53
69.4	11.1	-0.00	26.1					

111.100	65.5	-106.3	15.3	19.1	119.4	0.009	8.0	2.54
69.4	10.8	-0.00	26.0					
111.200	65.9	-106.3	15.2	19.2	117.7	0.010	8.0	2.53
69.4	10.9	-0.00	25.9					
111.300	65.8	-106.3	15.2	19.3	116.4	0.010	8.0	2.54
69.4	10.8	-0.00	25.4					
111.400	66.1	-106.3	15.1	19.4	116.6	0.009	8.0	2.54
69.4	10.8	-0.00	25.8					
111.500	66.2	-106.3	15.1	19.3	116.6	0.009	8.0	2.54
69.4	10.6	-0.00	26.1					
111.600	65.4	-106.5	15.3	19.3	118.5	0.009	8.0	2.54
69.4	10.6	-0.00	26.2					
111.700	64.9	-106.7	15.4	19.2	118.1	0.007	8.0	2.53
69.4	11.0	-0.00	26.1					
111.800	64.4	-106.8	15.5	19.4	111.6	0.002	8.0	2.54
69.4	10.8	-0.00	26.1					
111.900	65.3	-107.0	15.3	19.4	106.2	0.004	8.0	2.53
69.4	11.5	-0.00	26.3					
112.000	65.3	-107.0	15.3	19.4	104.7	0.005	8.0	2.52
69.4	11.7	-0.00	26.2					
112.100	65.3	-107.0	15.3	19.5	104.0	0.007	8.0	2.52
69.4	11.6	-0.00	26.0					
112.200	64.7	-107.1	15.4	19.7	107.3	0.008	8.0	2.53
69.4	11.3	-0.00	25.9					
112.300	64.6	-107.2	15.5	19.7	109.9	0.005	8.0	2.53
69.4	11.4	-0.00	25.6					
112.400	64.3	-107.3	15.5	19.9	112.7	0.001	8.0	2.52
69.4	11.6	-0.00	25.9					
112.500	64.1	-107.3	15.6	19.8	108.4	0.000	8.0	2.52
69.4	12.0	-0.00	26.0					
112.600	64.3	-107.3	15.6	19.8	111.4	0.002	8.0	2.51
69.4	12.4	-0.00	25.8					
112.700	64.7	-107.3	15.4	19.8	110.1	0.001	8.0	2.51
69.4	12.6	-0.00	25.6					
112.800	65.5	-107.3	15.3	19.8	108.8	0.001	8.0	2.50
69.4	12.8	-0.00	26.2					
112.900	65.7	-107.3	15.2	19.7	108.6	0.000	8.0	2.50
69.4	12.8	-0.00	25.7					
113.000	66.0	-107.3	15.2	19.9	106.2	0.003	8.0	2.51
69.4	12.4	-0.00	25.7					
113.100	65.5	-107.3	15.3	19.9	105.8	0.007	8.0	2.50
69.4	12.8	-0.00	25.4					
113.200	65.2	-107.4	15.3	20.0	103.2	0.002	8.0	2.51
69.4	12.5	-0.00	25.6					
113.300	65.0	-107.4	15.4	20.0	104.2	0.005	8.0	2.50
69.4	12.8	-0.00	25.5					
113.400	64.9	-107.4	15.4	20.1	104.7	0.006	8.0	2.51
69.4	12.6	-0.00	25.5					
113.500	65.1	-107.4	15.4	20.2	98.4	0.007	8.0	2.51
69.4	12.3	-0.00	26.0					
113.600	65.2	-107.5	15.3	20.3	98.4	0.012	8.0	2.52
69.4	11.7	-0.00	26.1					
113.700	66.0	-107.6	15.2	20.1	97.8	0.018	8.0	2.52
69.4	11.7	-0.00	26.0					

113.800	66.2	-107.7	15.1	20.1	98.0	0.018	8.0	2.53
69.4	11.5	-0.00	25.8					
113.900	66.4	-107.7	15.1	20.1	92.4	0.015	8.0	2.53
69.4	11.2	-0.00	25.5					
114.000	65.9	-107.8	15.2	20.1	92.4	0.019	8.0	2.54
69.4	10.8	-0.00	25.1					
114.100	65.7	-107.8	15.2	20.0	91.1	0.024	8.0	2.54
69.4	10.5	-0.00	25.2					
114.200	65.9	-107.8	15.2	19.9	90.2	0.024	8.0	2.55
69.4	10.1	-0.00	25.8					
114.300	66.0	-107.9	15.2	19.8	93.7	0.026	8.0	2.55
69.4	9.8	-0.00	25.0					
114.400	66.7	-107.9	15.0	19.7	94.9	0.025	8.0	2.56
69.4	9.5	-0.00	25.2					
114.500	66.1	-107.9	15.1	19.6	97.3	0.031	8.0	2.55
69.4	9.9	-0.00	25.1					
114.600	65.7	-107.7	15.2	19.5	97.3	0.030	8.0	2.56
69.4	9.6	-0.00	25.7					
114.700	65.5	-107.6	15.3	19.4	97.3	0.029	8.0	2.56
69.4	9.6	-0.00	25.4					
114.800	65.5	-107.5	15.3	19.5	95.4	0.029	8.0	2.56
69.4	9.3	-0.00	25.7					
114.900	65.3	-107.4	15.3	19.6	94.7	0.027	8.0	2.56
69.4	9.0	-0.00	25.4					
115.000	64.5	-107.3	15.5	19.7	98.6	0.025	8.0	2.57
69.4	8.9	-0.00	24.8					
115.100	64.5	-107.1	15.5	19.7	97.5	0.028	8.0	2.56
69.4	9.1	-0.00	24.8					
115.200	64.5	-107.0	15.5	19.7	93.2	0.032	8.0	2.57
69.4	8.9	-0.00	26.1					
115.300	64.3	-106.9	15.5	19.7	90.4	0.031	8.0	2.57
69.4	8.7	-0.00	26.4					
115.400	64.3	-106.8	15.5	19.8	90.0	0.026	8.0	2.58
69.4	8.3	-0.00	26.7					
115.500	64.3	-106.5	15.6	19.9	93.0	0.029	8.0	2.57
69.4	8.5	-0.00	26.9					
115.600	63.9	-106.5	15.6	20.0	91.7	0.027	8.0	2.57
69.4	8.6	-0.00	26.9					
115.700	63.8	-106.5	15.7	20.1	92.4	0.025	8.0	2.57
69.4	8.5	-0.00	26.8					
115.800	63.5	-106.7	15.8	20.4	89.3	0.024	8.0	2.57
69.4	8.7	-0.00	27.2					
115.900	63.4	-106.8	15.8	20.6	89.3	0.022	8.0	2.56
69.4	9.3	-0.00	27.3					
116.000	62.6	-106.9	16.0	20.8	85.0	0.021	8.0	2.56
69.4	9.3	-0.00	28.1					
116.100	62.3	-107.0	16.0	21.1	85.4	0.021	8.0	2.56
69.4	9.3	-0.00	27.7					
116.200	61.8	-107.1	16.2	21.4	86.9	0.017	8.0	2.56
69.4	9.6	-0.00	27.8					
116.300	61.5	-107.3	16.3	21.6	88.7	0.014	8.0	2.55
69.4	10.1	-0.00	27.6					
116.400	60.7	-107.4	16.5	21.8	89.1	0.010	8.0	2.54
69.4	10.4	-0.00	28.1					

116.500	60.7	-107.5	16.5	22.1	87.4	0.006	8.0	2.54
69.4	10.5	-0.00	28.1					
116.600	60.4	-107.8	16.5	22.4	90.2	0.005	8.0	2.54
69.4	10.5	-0.00	27.8					
116.700	60.5	-108.0	16.5	22.6	91.3	0.006	8.0	2.54
69.4	10.8	-0.00	26.6					
116.800	60.4	-108.2	16.6	23.0	93.4	0.001	8.0	2.53
69.4	11.3	-0.00	26.7					
116.900	60.2	-108.4	16.6	23.3	95.2	-0.002	8.0	2.52
69.4	11.7	0.00	26.3					
117.000	61.0	-108.6	16.4	23.5	89.1	-0.001	8.0	2.52
69.4	11.7	0.00	26.1					
117.100	61.1	-108.9	16.4	23.7	89.5	-0.003	8.0	2.52
69.4	11.8	0.00	25.9					
117.200	61.5	-109.1	16.3	23.9	91.5	-0.002	8.0	2.51
69.4	12.4	0.00	25.7					
117.300	60.9	-109.4	16.4	24.0	91.1	-0.004	8.0	2.52
69.4	12.1	0.00	25.7					
117.400	60.7	-109.7	16.5	24.1	90.2	-0.001	8.0	2.51
69.4	12.2	0.00	25.5					
117.500	60.6	-110.0	16.5	24.1	89.5	0.000	8.0	2.51
69.4	12.5	0.00	25.0					
117.600	59.6	-110.2	16.8	24.1	86.1	0.001	8.0	2.51
69.4	12.3	0.00	25.0					
117.700	59.0	-110.4	17.0	24.2	86.3	0.003	8.0	2.51
69.4	12.4	0.00	25.1					
117.800	58.5	-110.7	17.1	24.2	85.9	0.003	8.0	2.52
69.4	11.5	-0.00	25.0					
117.900	58.2	-110.7	17.2	24.1	87.4	0.006	8.0	2.52
69.4	11.5	-0.00	24.8					
118.000	57.5	-110.8	17.4	24.1	90.0	0.006	8.0	2.52
69.4	11.8	-0.00	24.9					
118.100	57.1	-110.8	17.5	24.2	87.4	0.006	8.0	2.52
69.4	11.9	-0.00	25.2					
118.200	56.9	-110.8	17.6	24.2	87.4	0.010	8.0	2.52
69.4	11.6	-0.00	25.4					
118.300	56.7	-110.7	17.6	24.2	85.6	0.013	8.0	2.53
69.4	11.2	-0.00	25.2					
118.400	56.0	-110.7	17.8	24.4	82.2	0.014	8.0	2.52
69.4	11.7	-0.00	25.5					
118.500	56.1	-110.6	17.8	24.7	83.9	0.010	8.0	2.52
69.4	11.9	-0.00	25.6					
118.600	55.9	-110.6	17.9	25.0	82.2	0.015	8.0	2.52
69.4	11.6	-0.00	26.1					
118.700	55.1	-110.5	18.1	25.3	80.0	0.015	8.0	2.53
69.4	11.2	-0.00	26.3					
118.800	54.2	-110.5	18.5	25.4	80.7	0.018	8.0	2.52
69.4	11.6	-0.00	26.3					
118.900	54.6	-110.4	18.3	25.6	79.8	0.018	8.0	2.53
69.4	11.5	-0.00	26.4					
119.000	54.9	-110.5	18.2	25.7	81.8	0.017	8.0	2.53
69.4	11.3	-0.00	26.2					
119.100	55.1	-110.6	18.1	25.8	84.4	0.019	8.0	2.54
69.4	10.8	-0.00	25.7					

119.200	54.2	-110.7	18.5	25.8	83.9	0.017	8.0	2.54
69.4	10.8	-0.00	26.0					
119.300	53.8	-110.8	18.6	26.0	87.2	0.014	8.0	2.52
69.4	11.8	0.00	26.4					
119.400	53.8	-111.0	18.6	25.8	85.0	0.013	8.0	2.52
69.4	12.0	0.00	26.1					
119.500	53.8	-111.2	18.6	26.0	83.3	0.012	8.0	2.52
69.4	12.0	0.00	26.3					
119.600	53.6	-111.4	18.6	26.2	81.1	0.008	8.0	2.52
69.4	11.9	0.00	26.3					
119.700	53.6	-111.5	18.6	26.1	80.0	0.011	8.0	2.51
69.4	12.3	0.00	26.0					
119.800	53.6	-111.7	18.7	26.1	78.9	0.013	8.0	2.51
69.4	12.4	0.00	26.2					
119.900	53.7	-111.8	18.6	26.5	81.1	0.013	8.0	2.52
69.4	11.8	0.00	26.1					
120.000	53.3	-111.8	18.8	26.1	81.3	0.010	8.0	2.52
69.4	12.0	0.00	26.3					
120.100	52.6	-111.8	19.0	26.3	83.5	0.007	8.0	2.52
69.4	12.1	0.00	25.4					
120.200	52.0	-111.7	19.2	26.1	82.2	0.009	8.0	2.52
69.4	11.9	0.00	24.8					
120.300	51.4	-111.6	19.5	25.8	80.9	0.012	8.0	2.52
69.4	11.5	0.00	24.8					
120.400	51.3	-111.5	19.5	26.0	78.3	0.012	8.0	2.54
69.4	10.5	0.00	24.9					
120.500	51.9	-111.4	19.3	26.2	75.3	0.015	8.0	2.54
69.4	10.4	0.00	24.8					
120.600	52.8	-111.4	18.9	26.0	71.8	0.021	8.0	2.54
69.4	10.8	0.00	25.0					
120.700	53.5	-111.3	18.7	26.3	73.1	0.023	8.0	2.53
69.4	10.9	0.00	25.0					
120.800	53.4	-111.2	18.7	26.3	70.7	0.021	8.0	2.54
69.4	10.5	0.00	24.5					
120.900	53.0	-111.3	18.9	26.6	73.8	0.021	8.0	2.54
69.4	10.6	0.00	24.6					
121.000	52.7	-111.2	19.0	26.9	73.8	0.017	8.0	2.54
69.4	10.5	0.00	24.2					
121.100	52.4	-111.2	19.1	27.0	77.0	0.017	8.0	2.54
69.4	10.6	0.00	24.2					
121.200	52.6	-111.4	19.0	27.0	79.2	0.019	8.0	2.53
69.4	10.9	0.00	24.5					
121.300	52.6	-111.7	19.0	26.8	80.5	0.018	8.0	2.53
69.4	10.9	0.00	24.3					
121.400	53.2	-111.9	18.8	26.6	78.7	0.020	8.0	2.54
69.4	10.8	0.00	24.2					
121.500	52.8	-112.0	18.9	26.7	78.5	0.022	8.0	2.54
69.4	10.6	0.00	24.2					
121.600	53.1	-112.1	18.9	26.4	75.5	0.018	8.0	2.53
69.4	10.9	-0.00	24.4					
121.700	52.6	-112.1	19.0	26.1	77.6	0.015	8.0	2.53
69.4	11.4	-0.00	24.4					
121.800	52.9	-112.1	18.9	25.9	79.6	0.009	8.0	2.52
69.4	11.5	-0.00	24.3					

121.900	52.8	-112.2	18.9	25.7	82.6	0.007	8.0	2.51
69.4	12.5	-0.00	24.0					
122.000	53.1	-112.1	18.8	25.9	83.1	0.006	8.0	2.52
69.4	12.0	-0.00	23.5					
122.100	53.1	-112.3	18.8	25.8	85.9	0.013	8.0	2.51
69.4	12.3	-0.00	23.5					
122.200	53.4	-112.5	18.7	25.7	84.6	0.010	8.0	2.52
69.4	11.9	-0.00	23.2					
122.300	53.3	-112.4	18.8	25.9	83.3	0.013	8.0	2.52
69.4	12.0	-0.00	22.9					
122.400	53.0	-112.3	18.9	26.2	80.7	0.012	8.0	2.52
69.4	12.0	-0.00	23.1					
122.500	52.9	-112.3	18.9	26.3	82.0	0.009	8.0	2.51
69.4	12.4	0.00	23.1					
122.600	53.4	-112.2	18.7	26.2	79.6	0.007	8.0	2.51
69.4	12.4	0.00	22.9					
122.700	54.1	-112.2	18.5	26.0	80.0	0.006	8.0	2.52
69.4	12.0	0.00	22.7					
122.800	54.7	-112.2	18.3	26.1	77.6	0.003	8.0	2.52
69.4	12.0	0.00	22.8					
122.900	54.7	-112.2	18.3	26.0	79.8	0.003	8.0	2.52
69.4	12.1	-0.00	22.8					
123.000	54.7	-112.1	18.3	25.7	83.3	0.011	8.0	2.51
69.4	12.4	-0.00	22.4					
123.100	54.4	-112.1	18.4	25.5	85.4	0.011	8.0	2.51
69.4	12.4	0.00	22.3					
123.200	54.9	-112.0	18.2	25.2	83.5	0.009	8.0	2.52
69.4	12.1	0.00	22.6					
123.300	55.3	-111.9	18.1	24.7	85.2	0.010	8.0	2.51
69.4	12.4	0.00	22.7					
123.400	55.4	-111.8	18.1	24.5	85.6	0.004	8.0	2.51
69.4	12.5	0.00	22.9					
123.500	55.3	-111.8	18.1	24.3	88.2	0.004	8.0	2.50
69.4	12.9	0.00	23.5					
123.600	55.2	-111.8	18.1	24.3	87.4	0.002	8.0	2.51
69.4	12.2	0.00	23.6					
123.700	55.5	-111.9	18.0	24.2	85.6	0.005	8.0	2.51
69.4	12.6	0.00	23.7					
123.800	55.9	-111.9	17.9	23.6	86.1	0.004	8.0	2.50
69.4	12.8	0.00	23.9					
123.900	56.2	-111.9	17.8	23.5	87.6	0.006	8.0	2.50
69.4	12.8	0.00	23.9					
124.000	56.6	-112.0	17.7	23.7	89.8	0.004	8.0	2.50
69.4	12.8	0.00	23.9					
124.100	56.0	-112.0	17.9	23.6	91.1	0.001	8.0	2.50
69.4	12.9	0.00	24.0					
124.200	56.0	-111.9	17.9	23.5	88.5	0.003	8.0	2.50
69.4	13.3	0.00	24.2					
124.300	55.9	-111.8	17.9	23.1	89.8	-0.004	8.0	2.50
69.4	13.3	0.00	24.2					
124.400	56.0	-111.7	17.8	22.9	88.2	-0.004	8.0	2.50
69.4	13.3	0.00	24.3					
124.500	55.8	-111.6	17.9	23.1	83.9	0.002	8.0	2.51
69.4	12.5	0.00	24.7					

124.600	55.2	-111.4	18.1	23.1	85.2	0.001	8.0	2.51
69.4	12.5	0.00	25.5					
124.700	56.0	-111.2	17.9	23.0	85.9	0.001	8.0	2.51
69.4	12.7	0.00	25.7					
124.800	56.5	-111.0	17.7	23.0	81.5	0.002	8.0	2.51
69.4	12.6	0.00	25.7					
124.900	57.8	-110.9	17.3	23.1	79.8	0.001	8.0	2.51
69.4	12.5	0.00	25.6					
125.000	56.8	-110.7	17.6	23.2	78.9	-0.004	8.0	2.51
69.4	12.7	0.00	25.7					
125.100	57.4	-110.7	17.4	23.3	82.2	-0.003	8.0	2.50
69.4	12.9	0.00	25.6					
125.200	57.4	-110.8	17.4	23.7	85.0	-0.000	8.0	2.50
69.4	12.9	0.00	25.8					
125.300	58.3	-111.1	17.2	23.8	84.6	-0.000	8.0	2.50
69.4	12.9	0.00	25.6					
125.400	58.6	-111.3	17.1	23.9	83.9	0.001	8.0	2.50
69.4	13.0	0.00	25.4					
125.500	58.4	-111.7	17.1	24.0	83.5	-0.002	8.0	2.51
69.4	12.7	0.00	25.5					
125.600	58.5	-112.0	17.1	24.1	85.6	0.000	8.0	2.51
69.4	12.2	0.00	25.5					
125.700	57.7	-112.3	17.3	24.1	87.8	0.002	8.0	2.52
69.4	12.0	0.00	25.2					
125.800	57.4	-112.5	17.4	24.0	88.2	-0.001	8.0	2.52
69.4	11.7	0.00	25.5					
125.900	57.4	-112.7	17.4	23.9	89.1	-0.000	8.0	2.52
69.4	11.9	0.00	25.3					
126.000	58.1	-112.8	17.2	23.9	93.4	0.001	8.0	2.51
69.4	12.2	0.00	25.3					
126.100	58.7	-112.9	17.0	23.8	90.8	0.002	7.9	2.52
69.4	12.0	0.00	25.0					
126.200	58.7	-112.9	17.0	23.5	92.1	0.003	8.0	2.52
69.4	12.0	0.00	24.3					
126.300	58.3	-112.8	17.1	23.3	96.0	0.005	8.0	2.51
69.4	12.2	0.00	24.3					
126.400	57.5	-112.7	17.4	23.4	94.3	0.005	8.0	2.52
69.4	12.0	0.00	24.4					
126.500	57.4	-112.5	17.4	23.2	92.6	0.004	8.0	2.52
69.4	12.0	0.00	24.1					
126.600	58.4	-112.4	17.2	23.0	88.2	0.005	7.9	2.52
69.4	12.1	0.00	24.2					
126.700	58.6	-112.2	17.1	22.9	87.2	0.006	8.0	2.52
69.4	11.7	0.00	24.0					
126.800	58.8	-112.2	17.0	23.0	88.9	0.009	7.9	2.52
69.4	11.7	0.00	24.0					
126.900	58.1	-112.1	17.2	23.1	88.0	0.008	8.0	2.53
69.4	11.3	0.00	24.1					
127.000	58.2	-112.1	17.2	23.3	85.2	0.005	7.9	2.53
69.4	11.2	0.00	24.0					
127.100	58.0	-111.8	17.2	23.4	80.0	0.006	8.0	2.53
69.4	11.3	0.00	23.6					
127.200	58.0	-111.7	17.2	23.6	77.0	0.004	8.0	2.52
69.4	11.6	0.00	23.5					

127.300	58.2	-111.4	17.2	23.6	78.3	0.002	8.0	2.52
69.4	12.0	-0.00	23.6					
127.400	58.3	-111.1	17.1	23.6	79.8	0.002	8.0	2.52
69.4	12.1	-0.00	23.2					
127.500	58.1	-111.2	17.2	23.7	76.1	0.002	8.0	2.51
69.4	12.1	0.00	23.1					
127.600	57.4	-111.3	17.4	23.7	77.0	0.002	8.0	2.51
69.4	12.5	-0.00	22.8					
127.700	56.9	-111.3	17.6	23.6	77.9	0.002	8.0	2.51
69.4	12.5	-0.00	23.2					
127.800	56.1	-111.3	17.8	23.7	76.6	0.002	8.0	2.51
69.4	12.4	-0.00	23.2					
127.900	56.6	-111.2	17.7	23.5	80.0	0.003	8.0	2.51
69.4	12.4	-0.00	23.4					
128.000	57.1	-111.3	17.5	23.7	83.3	0.005	8.0	2.51
69.4	12.7	0.00	23.4					
128.100	57.7	-111.3	17.3	23.7	84.1	0.001	8.0	2.51
69.4	12.4	0.00	23.7					
128.200	58.1	-111.6	17.2	23.7	82.4	0.003	8.0	2.51
69.4	12.6	0.00	23.6					
128.300	58.1	-111.5	17.2	23.9	82.0	0.002	7.9	2.51
69.4	12.7	0.00	23.7					
128.400	58.7	-111.9	17.0	24.0	82.8	-0.001	8.0	2.51
69.4	12.4	0.00	24.0					
128.500	57.8	-112.3	17.3	24.0	84.6	0.002	8.0	2.51
69.4	12.6	0.00	24.3					
128.600	57.4	-112.3	17.4	24.3	85.0	0.004	8.0	2.50
69.4	12.8	0.00	24.8					
128.700	56.0	-112.4	17.9	24.3	87.6	0.005	8.0	2.52
69.4	12.0	0.00	25.3					
128.800	56.2	-112.4	17.8	24.4	85.9	0.006	8.0	2.52
69.4	11.8	0.00	25.0					
128.900	56.0	-112.5	17.8	24.3	84.1	0.008	8.0	2.52
69.4	11.9	0.00	25.4					
129.000	56.8	-112.6	17.6	24.4	86.5	0.010	8.0	2.52
69.4	12.0	0.00	25.6					
129.100	56.6	-112.7	17.7	24.3	86.9	0.009	8.0	2.52
69.4	11.7	0.00	25.3					
129.200	56.6	-112.8	17.7	24.4	85.9	0.008	8.0	2.53
69.4	11.2	0.00	25.3					
129.300	56.4	-112.9	17.7	24.3	84.1	0.012	8.0	2.53
69.4	11.2	0.00	25.6					
129.400	56.9	-113.3	17.6	24.2	84.6	0.014	8.0	2.53
69.4	11.4	0.00	25.4					
129.500	56.7	-113.4	17.6	23.9	83.5	0.010	8.0	2.53
69.4	11.3	0.00	25.7					
129.600	56.4	-113.5	17.7	24.2	82.6	0.009	8.0	2.53
69.4	11.4	0.00	25.2					
129.700	55.9	-113.7	17.9	24.2	86.9	0.011	8.0	2.53
69.4	11.3	0.00	25.3					
129.800	56.2	-113.8	17.8	24.0	85.6	0.010	8.0	2.54
69.4	10.7	0.00	25.3					
129.900	56.3	-114.0	17.8	23.9	83.9	0.014	8.0	2.54
69.4	10.8	0.00	25.1					

130.000	56.2	-114.2	17.8	24.0	84.4	0.013	8.0	2.54
69.4	10.5	0.00	25.0					
130.100	55.8	-114.3	17.9	24.1	87.8	0.011	8.0	2.54
69.4	10.6	0.00	24.8					
130.200	55.5	-114.4	18.0	24.3	88.7	0.010	8.0	2.54
69.4	10.8	0.00	25.2					
130.300	56.0	-114.4	17.9	24.1	90.0	0.010	8.0	2.54
69.4	10.6	0.00	25.1					
130.400	55.9	-114.5	17.9	24.1	88.7	0.012	8.0	2.55
69.4	10.0	0.00	25.0					
130.500	56.2	-114.6	17.8	24.3	90.4	0.015	8.0	2.55
69.4	9.8	0.00	24.5					
130.600	56.0	-114.7	17.8	24.3	89.5	0.010	8.0	2.55
69.4	9.7	0.00	25.4					
130.700	56.5	-114.7	17.7	24.1	91.1	0.012	8.0	2.55
69.4	9.8	0.00	25.5					
130.800	56.5	-114.8	17.7	24.1	92.4	0.016	8.0	2.55
69.4	9.9	0.00	25.2					
130.900	56.6	-114.7	17.7	24.1	92.4	0.018	8.0	2.55
69.4	9.6	0.00	25.4					
131.000	56.7	-114.6	17.6	24.0	93.7	0.019	8.0	2.56
69.4	9.5	0.00	25.3					
131.100	56.7	-114.6	17.6	23.7	94.9	0.016	8.0	2.55
69.4	9.7	0.01	25.4					
131.200	57.3	-114.5	17.5	23.8	93.2	0.013	8.0	2.55
69.4	9.8	0.01	25.3					
131.300	57.1	-114.5	17.5	23.5	94.1	0.012	8.0	2.54
69.4	10.6	0.01	25.5					
131.400	57.5	-114.4	17.4	23.6	98.0	0.010	8.0	2.54
69.4	10.6	0.01	25.1					
131.500	56.7	-114.3	17.6	23.4	98.6	0.009	8.0	2.53
69.4	11.1	0.01	24.9					
131.600	57.1	-114.2	17.5	23.2	95.2	0.007	8.0	2.53
69.4	11.2	0.01	25.2					
131.700	56.7	-114.2	17.6	23.1	94.3	0.005	8.0	2.53
69.4	11.2	0.01	24.6					
131.800	56.5	-114.1	17.7	23.1	97.3	0.003	8.0	2.53
69.4	10.9	0.00	24.9					
131.900	56.6	-114.0	17.7	22.9	101.2	0.008	8.0	2.53
69.4	11.4	0.00	25.3					
132.000	56.8	-114.0	17.6	22.9	98.2	0.005	8.0	2.52
69.4	12.0	0.00	26.0					
132.100	57.4	-114.0	17.4	22.8	97.8	0.003	8.0	2.51
69.4	12.2	0.00	25.4					
132.200	57.8	-113.9	17.3	22.7	96.5	0.004	8.0	2.51
69.4	12.6	0.00	26.0					
132.300	58.7	-113.9	17.1	22.6	96.5	0.004	8.0	2.50
69.4	12.8	0.00	25.9					
132.400	59.0	-113.9	17.0	22.6	92.1	0.002	8.0	2.51
69.4	12.7	0.00	25.6					
132.500	58.4	-113.9	17.1	22.7	91.5	0.002	8.0	2.50
69.4	12.9	0.00	25.7					
132.600	57.5	-114.0	17.4	22.6	92.4	0.002	8.0	2.50
69.4	13.2	0.00	25.9					

132.700	57.6	-113.9	17.4	22.7	90.2	0.003	8.0	2.50
69.4	13.1	0.00	26.0					
132.800	58.6	-114.0	17.1	22.7	92.4	0.003	8.0	2.51
69.4	12.5	0.00	25.8					
132.900	59.3	-114.0	16.9	22.7	89.8	0.008	8.0	2.51
69.4	12.7	0.00	26.2					
133.000	59.1	-114.0	16.9	22.7	88.7	0.008	8.0	2.51
69.4	12.3	0.00	26.1					
133.100	58.5	-114.0	17.1	22.6	91.7	0.007	8.0	2.51
69.4	12.1	0.00	26.0					
133.200	58.6	-114.0	17.1	22.4	89.1	0.002	8.0	2.51
69.4	12.4	0.00	26.2					
133.300	58.6	-114.0	17.1	22.2	88.0	0.001	8.0	2.50
69.4	12.8	0.00	26.1					
133.400	58.2	-114.0	17.2	21.9	87.2	0.005	8.0	2.50
69.4	12.9	0.00	25.7					
133.500	58.1	-114.0	17.2	21.7	87.8	0.004	8.0	2.51
69.4	12.4	0.00	25.5					
133.600	57.7	-113.9	17.3	21.7	90.4	0.004	8.0	2.50
69.4	12.8	0.00	25.4					
133.700	58.3	-114.0	17.2	21.6	92.1	0.005	8.0	2.51
69.4	12.7	0.00	24.8					
133.800	58.8	-114.0	17.0	21.5	92.6	0.005	8.0	2.51
69.4	12.7	0.00	24.6					
133.900	59.9	-114.0	16.7	21.7	93.4	0.004	8.0	2.50
69.4	13.0	0.00	24.6					
134.000	59.6	-114.0	16.8	21.9	94.1	0.004	8.0	2.51
69.4	12.2	0.00	24.7					
134.100	59.9	-114.0	16.7	22.0	91.5	0.007	8.0	2.51
69.4	12.2	0.00	24.9					
134.200	59.8	-114.0	16.7	21.9	91.9	0.002	8.0	2.52
69.4	11.6	0.00	24.5					
134.300	59.8	-114.0	16.7	22.0	91.1	0.006	8.0	2.52
69.4	11.7	0.00	25.1					
134.400	59.8	-114.1	16.7	22.1	92.4	0.005	8.0	2.52
69.4	11.5	0.00	24.9					
134.500	60.6	-114.2	16.5	22.2	91.7	0.006	8.0	2.53
69.4	11.3	0.00	25.1					
134.600	61.5	-114.3	16.3	22.0	90.6	0.008	8.0	2.53
69.4	11.5	0.00	24.9					
134.700	61.5	-114.4	16.3	22.0	92.4	0.003	8.0	2.52
69.4	11.5	0.00	24.7					
134.800	61.0	-114.4	16.4	22.0	91.1	0.003	8.0	2.53
69.4	11.5	0.00	25.4					
134.900	60.9	-114.5	16.4	22.0	88.9	0.004	8.0	2.53
69.4	11.1	0.00	26.1					
135.000	60.9	-114.6	16.4	21.9	87.6	0.008	8.0	2.53
69.4	11.2	0.00	25.9					
135.100	60.6	-114.6	16.5	21.8	88.9	0.005	8.0	2.53
69.5	11.1	0.00	26.3					
135.200	60.1	-114.7	16.7	21.6	88.9	0.007	8.0	2.53
69.4	11.2	0.00	26.0					
135.300	60.5	-114.8	16.5	21.5	89.3	0.007	8.0	2.54
69.4	10.7	0.00	26.3					

135.400	60.6	-114.9	16.5	21.3	89.3	0.004	8.0	2.54
69.5	10.5	0.00	26.3					
135.500	61.3	-114.9	16.3	21.3	87.2	0.006	8.0	2.53
69.4	11.0	0.00	26.7					
135.600	61.2	-114.9	16.3	21.2	90.2	0.003	8.0	2.53
69.4	11.4	0.00	27.0					
135.700	62.1	-114.9	16.1	21.1	91.1	-0.000	8.0	2.52
69.4	11.8	0.00	27.3					
135.800	62.7	-114.9	16.0	21.1	90.4	0.000	8.0	2.52
69.4	11.8	0.00	27.1					
135.900	63.3	-114.9	15.8	21.0	92.1	-0.001	8.0	2.52
69.5	11.9	0.00	27.2					
136.000	62.9	-115.0	15.9	21.0	91.9	0.000	8.0	2.52
69.4	12.1	0.00	27.3					
136.100	62.5	-115.0	16.0	20.9	93.9	0.001	8.0	2.52
69.5	11.6	0.00	27.6					
136.200	61.5	-115.0	16.3	20.7	96.0	0.003	8.0	2.52
69.4	11.6	0.00	27.8					
136.300	61.7	-115.0	16.2	20.5	97.3	0.001	8.0	2.52
69.4	11.7	0.00	27.5					
136.400	62.9	-115.0	15.9	20.5	103.4	0.002	8.0	2.52
69.4	12.0	0.00	26.9					
136.500	63.1	-115.0	15.9	20.4	102.7	0.001	8.0	2.52
69.4	11.6	0.00	26.7					
136.600	62.8	-115.0	15.9	20.3	98.8	0.004	8.0	2.53
69.5	11.0	0.00	26.5					
136.700	61.3	-115.0	16.3	20.1	99.7	0.008	8.0	2.54
69.4	10.9	0.00	26.6					
136.800	61.9	-115.0	16.2	20.0	96.2	0.006	8.0	2.53
69.4	11.3	0.00	26.7					
136.900	62.8	-115.1	15.9	19.9	98.8	0.006	8.0	2.53
69.5	11.2	0.00	27.0					
137.000	63.8	-115.1	15.7	19.9	98.8	0.008	8.0	2.53
69.4	11.2	0.00	26.6					
137.100	63.5	-115.2	15.8	19.8	100.6	0.007	8.0	2.54
69.4	10.8	0.00	26.8					
137.200	62.8	-115.0	15.9	19.6	102.3	0.007	8.0	2.54
69.5	10.7	0.00	27.0					
137.300	62.6	-115.1	16.0	19.6	103.4	0.007	8.0	2.54
69.4	10.8	0.00	26.6					
137.400	63.1	-115.2	15.9	19.5	101.7	0.009	8.0	2.53
69.5	10.9	0.00	26.9					
137.500	63.3	-115.3	15.8	19.4	104.5	0.005	8.0	2.54
69.4	10.7	0.00	26.8					
137.600	63.7	-115.5	15.7	19.4	102.7	0.008	8.0	2.52
69.4	11.5	0.00	26.5					
137.700	64.1	-115.8	15.6	19.3	103.6	0.005	8.0	2.53
69.5	11.0	0.00	26.3					
137.800	64.1	-116.0	15.6	19.4	103.0	0.008	8.0	2.53
69.4	11.0	-0.00	26.0					
137.900	64.1	-116.3	15.6	19.7	99.9	0.007	8.0	2.54
69.5	10.8	-0.00	26.6					
138.000	63.9	-116.6	15.7	19.8	104.2	0.006	8.0	2.53
69.4	11.4	-0.00	26.9					

138.100	64.8	-117.2	15.4	19.9	106.8	0.006	8.0	2.53
69.5	11.5	-0.00	26.6					
138.200	65.2	-117.7	15.4	20.2	105.5	0.008	8.0	2.52
69.5	11.5	-0.00	26.8					
138.300	65.7	-118.6	15.2	20.2	107.3	0.011	8.0	2.53
69.4	11.4	-0.00	26.6					
138.400	65.0	-119.6	15.4	20.3	106.4	0.012	8.0	2.52
69.5	11.8	-0.00	26.6					
138.500	64.4	-120.1	15.5	20.0	107.7	0.012	8.0	2.52
69.5	11.7	0.00	26.4					
138.600	64.0	-120.5	15.6	20.4	106.2	0.011	8.0	2.52
69.4	11.7	0.00	26.0					
138.700	64.5	-120.9	15.5	20.4	107.1	0.009	8.0	2.52
69.5	11.8	0.00	25.7					
138.800	64.6	-121.3	15.5	20.3	106.2	0.010	8.0	2.52
69.5	12.0	0.00	26.0					
138.900	64.3	-121.6	15.6	20.2	107.5	0.008	8.0	2.52
69.5	11.8	0.00	25.9					
139.000	63.9	-121.9	15.6	20.0	103.6	0.010	8.0	2.51
69.5	12.4	0.00	26.0					
139.100	64.6	-122.1	15.5	20.1	106.2	0.007	8.0	2.51
69.5	12.7	0.01	26.1					
139.200	65.2	-122.1	15.3	20.3	103.6	0.002	8.0	2.50
69.4	13.2	0.01	26.4					
139.300	65.4	-122.1	15.3	19.8	103.4	-0.003	8.0	2.50
69.4	13.2	0.01	26.4					
139.400	65.1	-121.9	15.4	19.6	100.4	-0.002	8.0	2.50
69.4	13.2	0.01	26.2					
139.500	64.8	-121.5	15.4	19.6	96.9	-0.005	8.0	2.50
69.4	13.1	0.01	26.1					
139.600	64.3	-121.6	15.6	19.5	96.0	-0.008	8.0	2.50
69.5	13.2	0.01	26.5					
139.700	64.3	-121.6	15.6	19.8	96.9	-0.005	8.0	2.50
69.5	13.1	0.01	26.4					
139.800	64.3	-121.6	15.5	19.8	98.0	-0.007	8.0	2.51
69.5	12.5	0.01	26.4					
139.900	64.4	-121.6	15.5	19.7	98.0	-0.005	8.0	2.51
69.5	12.5	0.01	26.1					
140.000	64.7	-121.6	15.5	19.6	96.7	-0.006	8.0	2.51
69.5	12.5	0.01	26.0					
140.100	65.0	-121.6	15.4	19.6	97.3	-0.005	8.0	2.51
69.5	12.5	0.01	26.1					
140.200	65.4	-121.6	15.3	19.6	93.9	-0.007	8.0	2.51
69.5	12.5	0.00	26.2					
140.300	65.4	-121.6	15.3	19.6	94.5	-0.007	8.0	2.51
69.5	12.3	0.00	26.3					
140.400	65.3	-121.6	15.3	19.6	94.1	-0.004	8.0	2.51
69.5	12.2	0.00	26.1					
140.500	65.0	-121.6	15.4	19.6	97.5	-0.001	8.0	2.52
69.5	12.0	-0.02	26.1					
140.600	64.2	-121.6	15.6	19.6	97.1	0.003	8.0	2.53
69.5	11.2	-0.02	26.1					
140.700	63.7	-121.6	15.7	19.6	98.8	0.001	8.0	2.53
69.5	11.0	-0.02	25.8					

140.800	63.5	-121.6	15.8	19.7	96.9	-0.000	8.0	2.53
69.5	11.2	-0.02	25.6					
140.900	63.7	-121.7	15.7	19.8	96.9	0.001	8.0	2.53
69.5	11.4	-0.02	25.0					
141.000	63.5	-121.8	15.7	20.1	99.1	-0.003	8.0	2.53
69.5	11.0	-0.02	25.0					
141.100	63.3	-122.1	15.8	20.1	96.5	-0.000	8.0	2.53
69.5	11.1	-0.02	24.6					
141.200	63.9	-122.4	15.7	20.1	96.5	-0.002	8.0	2.52
69.5	11.5	-0.02	24.6					
141.300	63.7	-122.9	15.7	20.3	94.3	-0.003	8.0	2.53
69.5	11.4	-0.02	24.6					
141.400	63.6	-123.3	15.7	20.5	95.6	-0.001	8.0	2.53
69.5	11.5	0.00	24.6					
141.500	63.1	-123.8	15.9	20.6	97.8	-0.001	8.0	2.53
69.5	11.1	0.00	24.6					
141.600	63.5	-124.2	15.7	20.6	96.7	0.002	8.0	2.53
69.5	11.1	0.00	24.2					
141.700	63.4	-124.8	15.8	20.7	95.8	0.001	8.0	2.53
69.5	10.9	0.00	24.9					
141.800	63.9	-125.5	15.7	20.6	96.0	0.005	8.0	2.53
69.4	11.0	0.01	24.3					
141.900	64.2	-126.3	15.6	20.7	95.6	0.004	8.0	2.53
69.5	11.0	0.01	24.4					
142.000	64.5	-127.1	15.5	20.9	95.6	0.006	8.0	2.54
69.5	10.7	0.02	25.1					
142.100	63.6	-127.4	15.7	20.8	94.9	0.008	8.0	2.54
69.5	10.7	0.03	25.6					
142.200	63.6	-127.5	15.7	20.8	90.2	0.009	8.0	2.54
69.2	10.7	0.03	25.6					
142.300	64.1	-127.7	15.6	20.8	94.3	0.011	8.0	2.54
69.5	10.8	0.03	25.6					
142.400	64.4	-127.7	15.5	20.6	95.6	0.006	8.0	2.54
69.5	10.6	0.03	26.7					
142.500	63.8	-127.8	15.7	20.7	96.0	0.006	8.0	2.54
69.5	10.8	0.03	27.2					
142.600	63.2	-128.1	15.8	20.6	99.7	0.009	8.0	2.53
69.5	10.9	0.03	27.3					
142.700	63.5	-128.6	15.7	20.4	97.5	0.008	8.0	2.54
69.5	10.4	0.03	27.4					
142.800	64.0	-129.2	15.6	20.4	98.8	0.012	8.0	2.54
69.5	10.8	0.03	27.2					
142.900	64.5	-129.3	15.5	20.4	99.3	0.010	8.0	2.54
69.5	10.8	0.01	27.4					
143.000	64.8	-129.5	15.4	20.3	101.9	0.005	8.0	2.53
69.5	11.2	0.01	27.6					
143.100	64.3	-129.7	15.5	20.5	100.8	0.003	8.0	2.53
69.5	11.2	0.01	28.2					
143.200	64.0	-130.1	15.6	20.5	103.4	0.000	8.0	2.53
69.5	11.4	0.01	27.4					
143.300	63.2	-130.3	15.8	20.5	102.5	0.001	8.0	2.52
69.5	11.6	0.01	27.8					
143.400	62.4	-130.5	16.0	20.5	98.6	-0.002	8.0	2.52
69.5	11.8	0.01	27.6					

143.500	62.1	-130.6	16.1	20.5	98.2	-0.004	8.0	2.51
69.5	12.4	0.01	26.9					
143.600	62.1	-130.6	16.1	20.5	97.5	-0.005	8.0	2.51
69.5	12.2	0.01	26.9					
143.700	63.0	-130.0	15.9	20.6	103.2	-0.002	8.0	2.51
69.5	12.3	0.00	26.7					
143.800	63.1	-129.2	15.9	20.5	100.8	-0.001	8.0	2.51
69.5	12.4	0.00	27.1					
143.900	63.2	-128.1	15.8	20.5	103.0	-0.001	8.0	2.51
69.5	12.5	0.00	26.3					
144.000	63.6	-127.3	15.7	20.6	100.6	-0.004	8.0	2.50
69.5	12.8	0.00	25.6					
144.100	63.5	-126.3	15.8	20.7	101.2	-0.007	8.0	2.51
69.5	12.7	0.00	25.7					
144.200	63.6	-125.2	15.7	20.7	100.8	-0.005	8.0	2.51
69.5	12.7	0.01	26.3					
144.300	63.1	-124.3	15.9	20.7	103.6	-0.001	8.0	2.50
69.5	13.0	0.01	26.4					
144.400	63.3	-123.6	15.8	20.7	101.2	-0.005	8.0	2.50
69.5	12.7	0.00	27.2					
144.500	63.2	-122.9	15.8	20.7	97.8	-0.002	8.0	2.51
69.5	12.3	0.00	27.4					
144.600	63.5	-122.2	15.7	20.5	95.6	-0.001	8.0	2.52
69.5	11.7	0.00	26.8					
144.700	63.2	-121.7	15.8	20.5	94.1	0.005	8.0	2.53
69.5	11.4	0.00	27.0					
144.800	63.0	-121.5	15.9	20.5	94.5	0.007	8.0	2.53
69.5	11.2	0.00	26.9					
144.900	62.8	-121.3	15.9	20.5	98.0	0.009	8.0	2.53
69.5	11.1	0.00	27.0					
145.000	62.7	-121.2	15.9	20.5	98.4	0.009	8.0	2.54
69.5	10.6	0.00	27.1					
145.100	62.8	-121.0	15.9	20.3	96.7	0.008	8.0	2.54
69.5	10.8	0.00	27.1					
145.200	63.2	-120.9	15.8	20.2	95.4	0.006	8.0	2.53
69.5	11.3	0.00	26.9					
145.300	63.8	-120.8	15.7	20.1	95.8	0.003	8.0	2.54
69.5	10.6	0.00	26.7					
145.400	64.7	-120.7	15.4	20.1	92.8	0.007	8.0	2.54
69.5	10.5	0.00	26.7					
145.500	64.8	-120.7	15.4	20.0	93.9	0.004	8.0	2.55
69.5	10.1	0.00	26.9					
145.600	65.1	-120.7	15.4	20.0	93.9	0.005	8.0	2.54
69.5	10.4	0.00	27.0					
145.700	64.6	-120.6	15.5	19.9	96.0	0.008	8.0	2.54
69.5	10.4	0.00	26.6					
145.800	64.7	-120.5	15.4	19.8	93.7	0.007	8.0	2.55
69.5	9.7	0.00	27.1					
145.900	64.7	-120.4	15.4	19.8	94.7	0.010	8.0	2.55
69.5	9.8	0.00	26.5					
146.000	65.2	-120.4	15.3	19.8	97.3	0.007	8.0	2.55
69.5	9.8	0.00	26.8					
146.100	65.2	-120.3	15.3	19.6	100.4	0.007	8.0	2.55
69.5	10.0	0.00	26.7					

146.200	65.7	-120.3	15.2	19.6	102.3	0.010	8.0	2.54
69.5	10.5	0.00	26.7					
146.300	65.6	-120.2	15.2	19.6	103.6	0.010	8.0	2.54
69.5	10.5	0.00	26.8					
146.400	65.3	-120.3	15.3	19.6	103.6	0.009	8.0	2.54
69.5	10.6	0.01	26.9					
146.500	64.9	-120.3	15.4	19.6	104.0	0.011	8.0	2.54
69.5	10.5	0.01	26.7					
146.600	65.0	-120.3	15.4	19.6	105.3	0.018	8.0	2.54
69.5	10.4	0.01	26.6					
146.700	65.5	-120.3	15.3	19.7	104.9	0.017	8.0	2.56
69.5	9.5	0.01	26.4					
146.800	65.5	-120.3	15.3	19.6	103.8	0.020	8.0	2.55
69.5	9.8	0.01	26.3					
146.900	65.6	-120.3	15.2	19.5	106.4	0.019	8.0	2.56
69.5	9.4	0.01	26.8					
147.000	66.3	-120.4	15.1	19.5	108.8	0.021	8.0	2.56
69.5	9.5	0.01	26.7					
147.100	65.8	-120.4	15.2	19.5	108.4	0.022	8.0	2.57
69.5	9.0	0.01	26.7					
147.200	66.0	-120.5	15.2	19.5	108.6	0.019	8.0	2.57
69.5	8.8	0.01	26.3					
147.300	65.2	-120.5	15.3	19.5	109.2	0.021	8.0	2.56
69.5	9.0	0.01	25.9					
147.400	65.5	-120.5	15.3	19.4	108.8	0.021	8.0	2.58
69.5	8.3	0.01	25.7					
147.500	65.2	-120.4	15.3	19.4	106.8	0.027	8.0	2.57
69.5	8.5	0.01	25.4					
147.600	65.5	-120.4	15.3	19.5	105.5	0.029	8.0	2.57
69.5	8.9	0.01	25.7					
147.700	65.8	-120.3	15.2	19.4	104.7	0.030	8.0	2.57
69.5	8.9	0.01	25.3					
147.800	66.4	-120.3	15.1	19.5	102.5	0.030	8.0	2.57
69.5	8.8	0.01	25.0					
147.900	66.4	-120.3	15.1	19.4	100.8	0.026	8.0	2.57
69.5	8.8	0.01	24.9					
148.000	67.1	-120.3	14.9	19.4	98.2	0.025	8.0	2.56
69.5	9.2	0.00	25.2					
148.100	67.1	-120.3	14.9	19.5	101.2	0.021	8.0	2.56
69.5	9.3	0.01	25.4					
148.200	67.3	-120.3	14.9	19.4	103.0	0.022	8.0	2.55
69.5	9.8	0.00	25.9					
148.300	66.8	-120.4	15.0	19.4	106.6	0.020	8.0	2.55
69.5	10.0	0.00	25.7					
148.400	66.6	-120.4	15.0	19.4	103.6	0.019	8.0	2.55
69.5	10.0	0.00	25.6					
148.500	66.3	-120.4	15.1	19.4	101.2	0.019	8.0	2.55
69.5	9.6	0.00	25.9					
148.600	65.7	-120.5	15.2	19.6	103.4	0.019	8.0	2.55
69.5	10.0	0.00	25.9					
148.700	65.5	-120.6	15.3	19.6	99.1	0.019	8.0	2.54
69.5	10.4	0.00	25.8					
148.800	65.7	-120.6	15.2	19.6	99.1	0.011	8.0	2.54
69.5	10.6	0.00	26.0					

148.900	66.1	-120.7	15.1	19.7	103.2	0.010	8.0	2.53
69.5	11.1	0.00	26.3					
149.000	66.0	-120.7	15.2	19.7	103.0	0.011	8.0	2.53
69.5	10.9	-0.00	25.8					
149.100	66.3	-120.8	15.1	19.7	103.4	0.012	8.0	2.53
69.5	11.0	-0.00	25.4					
149.200	66.0	-120.8	15.2	19.6	103.8	0.011	8.0	2.53
69.5	11.3	0.00	25.8					
149.300	65.6	-120.8	15.2	19.5	103.0	0.008	8.0	2.52
69.5	11.7	-0.00	25.9					
149.400	64.6	-120.8	15.5	19.6	102.5	0.008	8.0	2.52
69.5	11.5	-0.00	26.0					
149.500	65.2	-120.8	15.3	19.6	103.0	0.009	8.0	2.53
69.5	11.5	0.00	25.6					
149.600	65.2	-120.8	15.3	19.6	103.2	0.011	8.0	2.52
69.5	11.6	0.00	25.1					
149.700	65.5	-120.8	15.3	19.7	99.3	0.010	8.0	2.53
69.5	11.4	0.00	25.2					
149.800	64.9	-120.8	15.4	19.7	97.1	0.007	8.0	2.53
69.5	11.2	0.01	25.6					
149.900	64.8	-120.7	15.4	19.8	101.9	0.005	8.0	2.53
69.5	11.4	0.01	25.2					
150.000	64.6	-120.8	15.5	19.9	102.3	0.004	8.0	2.52
69.5	11.7	0.01	25.1					
150.100	64.3	-120.8	15.6	19.8	98.8	0.004	8.0	2.52
69.5	11.6	0.01	25.0					
150.200	64.5	-120.8	15.5	19.9	101.2	0.004	8.0	2.53
69.5	11.1	0.01	25.0					
150.300	64.6	-120.8	15.5	19.9	102.1	0.003	8.0	2.53
69.5	11.0	0.01	25.3					
150.400	65.2	-120.8	15.3	19.9	97.5	0.003	8.0	2.53
69.5	11.3	0.01	24.8					
150.500	64.8	-120.7	15.4	20.0	98.8	0.003	8.0	2.53
69.5	11.3	0.01	24.9					
150.600	64.6	-120.7	15.5	20.0	98.4	0.007	8.0	2.53
69.5	11.2	0.01	25.1					
150.700	64.4	-120.7	15.5	20.1	96.2	0.005	8.0	2.54
69.5	10.7	0.01	24.9					
150.800	64.6	-120.7	15.5	20.2	98.2	0.006	8.0	2.54
69.5	10.4	0.01	25.0					
150.900	64.7	-120.8	15.4	20.2	97.8	0.004	8.0	2.54
69.5	10.4	0.01	25.3					
151.000	64.3	-120.8	15.6	20.2	97.1	0.005	8.0	2.55
69.5	10.2	0.01	25.6					
151.100	63.9	-120.8	15.7	20.3	93.0	0.006	8.0	2.54
69.5	10.3	0.01	25.7					
151.200	64.2	-120.8	15.6	20.1	94.1	0.004	8.0	2.54
69.5	10.3	0.01	25.7					
151.300	64.3	-120.8	15.5	20.0	91.5	0.003	8.0	2.55
69.5	10.1	0.01	25.5					
151.400	65.1	-120.9	15.4	20.0	89.8	0.006	8.0	2.54
69.5	10.3	0.00	25.6					
151.500	64.9	-120.9	15.4	19.9	89.3	0.004	8.0	2.55
69.5	10.0	0.00	25.4					

151.600	65.2	-121.1	15.3	19.8	88.5	0.006	8.0	2.55
69.5	10.1	0.00	25.4					
151.700	65.7	-121.2	15.2	19.7	89.8	0.004	8.0	2.54
69.5	10.4	0.00	25.5					
151.800	64.9	-121.2	15.4	19.5	85.9	0.005	8.0	2.55
69.5	10.2	0.00	24.8					
151.900	64.4	-121.3	15.5	19.4	86.7	0.004	8.0	2.55
69.5	9.8	0.00	25.0					
152.000	64.0	-121.4	15.6	19.3	83.1	0.006	8.0	2.55
69.5	10.2	0.00	24.9					
152.100	64.2	-121.5	15.6	19.2	85.2	0.005	8.0	2.54
69.5	10.3	0.00	24.9					
152.200	64.9	-121.6	15.4	19.2	87.4	0.001	8.0	2.54
69.5	10.3	0.00	25.0					
152.300	64.5	-121.6	15.5	19.2	85.4	0.002	8.0	2.54
69.5	10.3	0.01	25.0					
152.400	64.4	-121.7	15.5	19.3	87.8	0.000	8.0	2.54
69.5	10.3	0.01	25.0					
152.500	64.3	-121.7	15.5	19.4	87.6	0.002	8.0	2.55
69.5	10.2	0.01	24.7					
152.600	64.2	-121.8	15.6	19.3	85.9	0.002	8.0	2.55
69.5	9.9	0.01	25.0					
152.700	64.9	-121.8	15.4	19.3	88.2	-0.000	8.0	2.55
69.5	9.7	0.01	25.1					
152.800	64.9	-121.8	15.4	19.1	91.3	0.002	8.0	2.56
69.5	9.3	0.00	24.7					
152.900	65.6	-121.8	15.2	19.0	89.1	0.002	8.0	2.56
69.5	9.3	0.01	25.0					
153.000	67.0	-121.9	14.9	18.7	88.2	0.004	8.0	2.55
69.5	9.7	0.01	25.0					
153.100	67.2	-121.9	14.9	18.5	90.2	0.003	8.0	2.55
69.5	9.9	0.00	25.2					
153.200	67.3	-121.9	14.9	18.2	89.3	0.001	8.0	2.55
69.5	9.8	0.00	25.5					
153.300	67.3	-121.8	14.9	18.1	94.9	0.002	8.0	2.55
69.5	10.2	0.00	25.8					
153.400	69.1	-121.8	14.5	18.0	93.9	0.001	8.0	2.54
69.5	10.3	0.00	25.9					
153.500	70.1	-121.9	14.3	17.9	97.1	0.003	8.0	2.54
69.5	10.7	0.00	26.3					
153.600	70.5	-121.9	14.2	17.8	97.5	0.002	8.0	2.54
69.5	10.5	0.00	26.4					
153.700	69.9	-121.9	14.3	17.7	98.0	0.004	8.0	2.54
69.5	10.6	0.00	26.6					
153.800	70.8	-121.9	14.1	17.6	99.9	0.005	8.0	2.54
69.5	10.4	0.00	26.6					
153.900	71.1	-121.9	14.1	17.5	102.7	0.004	8.0	2.54
69.5	10.6	0.00	26.3					
154.000	72.0	-121.9	13.9	17.3	103.6	0.002	8.0	2.53
69.5	10.9	0.00	26.5					
154.100	72.3	-121.8	13.8	17.0	107.3	0.002	8.0	2.54
69.5	10.7	0.00	26.2					
154.200	72.2	-121.7	13.8	16.9	106.4	0.000	8.0	2.53
69.5	11.0	0.00	26.6					

154.300	72.3	-121.6	13.8	16.7	105.8	-0.001	8.0	2.53
69.5	11.4	0.00	27.2					
154.400	72.2	-121.5	13.8	16.6	106.2	0.002	8.0	2.53
69.5	11.1	0.00	26.9					
154.500	72.8	-121.4	13.7	16.5	111.2	0.006	8.0	2.53
69.5	10.9	0.00	26.9					
154.600	73.3	-121.3	13.6	16.5	113.1	0.006	8.0	2.53
69.5	10.9	0.00	27.3					
154.700	74.0	-121.2	13.5	16.3	114.4	0.007	8.0	2.53
69.5	11.3	0.01	26.9					
154.800	74.5	-121.2	13.4	16.4	111.4	0.006	8.0	2.53
69.5	11.2	0.01	26.9					
154.900	75.2	-121.1	13.3	16.3	115.1	0.007	8.0	2.53
69.5	11.4	0.01	26.9					
155.000	75.7	-121.1	13.2	16.2	115.1	0.007	8.0	2.53
69.5	10.9	0.01	26.8					
155.100	76.4	-121.0	13.1	16.1	112.0	0.008	8.0	2.55
69.5	10.2	0.01	27.0					
155.200	76.0	-121.0	13.2	16.0	111.4	0.013	8.0	2.54
69.5	10.3	0.01	27.3					
155.300	76.5	-121.0	13.1	15.8	109.4	0.013	8.0	2.54
69.5	10.4	0.01	27.4					
155.400	76.5	-120.9	13.1	15.8	104.7	0.012	8.0	2.55
69.5	10.1	0.01	28.4					
155.500	77.0	-120.9	13.0	15.7	104.5	0.012	8.0	2.55
69.5	9.7	0.01	28.2					
155.600	76.1	-120.9	13.1	15.6	107.7	0.015	8.0	2.54
69.5	10.4	0.01	29.2					
155.700	75.8	-120.9	13.2	15.6	108.6	0.012	8.0	2.54
69.5	10.4	0.01	28.6					
155.800	76.3	-120.9	13.1	15.6	107.1	0.008	8.0	2.53
69.6	11.0	0.01	28.5					
155.900	77.0	-120.9	13.0	15.6	107.5	0.006	8.0	2.53
69.5	11.2	0.01	28.6					
156.000	77.0	-120.9	13.0	15.6	103.8	0.007	8.0	2.52
69.5	11.6	0.01	29.0					
156.100	76.3	-120.9	13.1	15.6	102.5	0.008	8.0	2.52
69.6	12.0	0.01	28.6					
156.200	76.2	-120.9	13.1	15.7	104.0	0.005	8.0	2.53
69.5	11.4	0.00	29.0					
156.300	75.8	-121.0	13.2	15.8	102.7	0.007	8.0	2.53
69.6	11.4	0.00	28.9					
156.400	75.6	-121.0	13.2	16.0	102.5	0.005	8.0	2.53
69.5	11.4	0.01	28.8					
156.500	75.3	-121.2	13.3	16.1	103.8	0.001	8.0	2.53
69.6	11.4	0.01	28.7					
156.600	76.0	-121.3	13.2	16.4	106.0	-0.001	8.0	2.52
69.5	12.1	0.00	28.4					
156.700	76.6	-121.4	13.1	16.6	106.4	0.001	8.0	2.51
69.5	12.2	0.00	28.1					
156.800	76.1	-121.5	13.2	16.7	109.9	0.002	8.0	2.51
69.6	12.1	0.00	28.0					
156.900	75.3	-121.6	13.3	16.9	112.5	0.002	8.0	2.51
69.6	12.1	0.00	26.9					

157.000	75.0	-121.7	13.3	17.0	111.8	0.004	8.0	2.51
69.6	12.6	0.01	27.0					
157.100	75.4	-121.8	13.3	17.1	107.9	0.005	8.0	2.51
69.5	12.3	0.01	26.1					
157.200	75.3	-121.9	13.3	17.2	107.1	0.006	8.0	2.51
69.5	12.1	0.01	26.2					
157.300	74.5	-122.1	13.4	17.3	107.9	0.004	8.0	2.53
69.6	11.4	0.00	26.3					
157.400	73.6	-122.2	13.6	17.3	107.5	0.011	8.0	2.53
69.6	11.4	0.00	26.2					
157.500	73.3	-122.3	13.6	17.4	104.9	0.014	8.0	2.53
69.6	11.1	0.01	25.9					
157.600	73.3	-122.5	13.7	17.5	103.6	0.012	8.0	2.54
69.6	10.3	0.01	25.7					
157.700	73.4	-122.6	13.6	17.6	101.2	0.016	8.0	2.55
69.6	10.2	0.01	25.5					
157.800	73.4	-122.7	13.6	17.6	100.1	0.016	8.0	2.54
69.6	10.4	0.01	25.5					
157.900	73.1	-122.8	13.7	17.7	101.7	0.017	8.0	2.55
69.6	10.2	0.01	25.3					
158.000	72.5	-123.0	13.8	17.7	98.4	0.014	8.0	2.55
69.6	10.2	0.01	25.3					
158.100	72.1	-123.0	13.9	17.8	97.5	0.014	8.0	2.55
69.6	10.0	0.01	25.4					
158.200	71.8	-123.0	13.9	17.9	96.5	0.011	8.0	2.56
69.6	9.5	0.01	25.1					
158.300	71.6	-123.1	14.0	17.9	95.4	0.012	8.0	2.56
69.6	9.2	0.01	25.3					
158.400	71.8	-123.2	13.9	17.9	93.2	0.014	8.0	2.56
69.6	9.6	0.01	25.3					
158.500	71.5	-123.2	14.0	18.1	94.5	0.015	8.0	2.56
69.6	9.4	0.01	24.9					
158.600	71.6	-123.2	14.0	18.2	94.5	0.016	8.0	2.57
69.6	8.8	0.01	25.0					
158.700	71.3	-123.2	14.0	18.1	94.3	0.014	8.0	2.57
69.6	8.7	0.00	24.8					
158.800	71.4	-123.1	14.0	18.1	93.4	0.016	8.0	2.57
69.6	9.0	0.00	24.6					
158.900	71.0	-123.2	14.1	18.0	91.3	0.017	8.0	2.57
69.6	8.7	0.00	24.4					
159.000	70.6	-123.2	14.2	18.0	93.9	0.016	8.0	2.57
69.6	8.4	0.00	24.8					
159.100	70.3	-123.2	14.2	17.9	94.7	0.020	8.0	2.57
69.6	8.6	0.00	25.0					
159.200	70.5	-123.4	14.2	17.7	96.5	0.022	8.0	2.57
69.6	8.5	0.00	24.9					
159.300	70.2	-123.5	14.2	17.5	105.8	0.025	8.0	2.58
69.6	8.3	0.00	24.7					
159.400	70.4	-123.5	14.2	17.4	101.4	0.024	8.0	2.58
69.6	8.3	0.00	24.9					
159.500	70.2	-123.5	14.3	17.1	101.4	0.025	8.0	2.58
69.6	8.3	0.00	24.8					
159.600	70.8	-123.5	14.1	16.9	102.3	0.023	8.0	2.58
69.6	8.0	0.00	24.8					

159.700	70.7	-123.5	14.1	16.7	102.3	0.027	8.0	2.57
69.6	8.4	0.00	24.8					
159.800	71.8	-123.6	13.9	16.4	99.9	0.026	8.0	2.57
69.6	8.4	0.01	24.6					
159.900	71.5	-123.7	14.0	16.1	105.1	0.026	8.0	2.58
69.6	8.3	0.01	24.3					
160.000	72.0	-123.8	13.9	15.9	106.0	0.024	8.0	2.58
69.6	8.3	0.01	24.5					
160.100	71.2	-123.8	14.0	15.8	106.8	0.027	8.0	2.57
69.6	8.5	0.01	24.4					
160.200	71.7	-123.8	13.9	15.6	109.0	0.028	8.0	2.58
69.6	8.1	0.01	24.5					
160.300	71.8	-123.8	13.9	15.5	109.9	0.031	8.0	2.58
69.6	8.3	0.01	24.5					
160.400	72.7	-123.7	13.8	15.2	113.3	0.026	8.0	2.57
69.6	8.9	0.01	25.1					
160.500	73.4	-123.8	13.6	15.0	111.6	0.024	8.0	2.56
69.6	9.6	0.01	24.7					
160.600	74.2	-123.8	13.5	14.8	115.5	0.019	8.0	2.56
69.6	9.4	0.01	24.8					
160.700	74.5	-123.8	13.4	14.7	111.2	0.022	8.0	2.55
69.6	9.7	0.01	24.9					
160.800	75.1	-123.8	13.3	14.5	105.5	0.024	8.0	2.55
69.6	10.1	0.01	25.7					
160.900	76.2	-123.8	13.1	14.4	108.6	0.024	8.0	2.55
69.6	10.2	0.01	25.7					
161.000	77.4	-123.8	12.9	14.3	112.7	0.019	8.0	2.55
69.6	10.1	0.01	25.8					
161.100	78.8	-123.8	12.7	14.2	114.6	0.019	8.0	2.54
69.6	10.8	0.01	25.9					
161.200	79.3	-123.9	12.6	14.1	113.3	0.016	8.0	2.54
69.6	10.4	0.01	26.7					
161.300	79.9	-123.9	12.5	13.9	116.6	0.020	8.0	2.54
69.6	10.8	0.00	26.6					
161.400	80.0	-124.0	12.5	13.7	115.3	0.017	8.0	2.54
69.6	10.7	0.00	27.4					
161.500	81.3	-124.1	12.3	13.6	114.0	0.014	8.0	2.54
69.6	10.7	0.01	27.7					
161.600	82.5	-124.2	12.1	13.3	112.9	0.009	8.0	2.53
69.6	11.1	0.00	27.7					
161.700	83.7	-124.3	12.0	13.1	107.5	0.010	8.0	2.52
69.6	11.7	0.00	27.5					
161.800	84.8	-124.5	11.8	12.9	108.1	0.010	8.0	2.53
69.6	11.2	0.00	27.6					
161.900	86.6	-124.6	11.6	12.7	105.5	0.015	8.0	2.53
69.6	11.4	0.00	27.3					
162.000	87.9	-124.7	11.4	12.6	109.2	0.012	8.0	2.53
69.6	10.9	0.00	27.1					
162.100	88.4	-124.7	11.3	12.4	104.0	0.013	8.0	2.53
69.6	11.4	0.00	27.5					
162.200	88.3	-124.7	11.3	12.2	106.2	0.017	8.0	2.53
69.6	11.4	0.01	27.3					
162.300	88.6	-124.7	11.3	12.0	105.1	0.018	8.0	2.53
69.6	11.1	0.00	26.8					

162.400	89.8	-124.8	11.1	11.9	105.5	0.018	8.0	2.53
69.6	11.4	0.00	26.9					
162.500	91.1	-124.8	11.0	11.7	103.8	0.019	8.0	2.52
69.6	12.0	0.00	26.6					
162.600	92.3	-124.8	10.8	11.5	100.6	0.014	8.0	2.52
69.6	11.6	0.01	26.6					
162.700	93.2	-124.8	10.7	11.4	105.5	0.015	8.0	2.51
69.6	12.1	0.01	27.0					
162.800	94.5	-124.9	10.6	11.3	101.4	0.016	8.0	2.52
69.6	11.9	0.01	27.4					
162.900	95.2	-124.8	10.5	11.2	99.7	0.017	8.1	2.51
69.6	12.1	0.01	26.9					
163.000	95.7	-124.8	10.5	11.2	103.4	0.016	8.2	2.51
69.6	12.1	0.01	27.4					
163.100	96.2	-124.8	10.4	11.1	106.6	0.019	8.2	2.51
69.6	12.1	0.01	27.3					
163.200	97.3	-124.8	10.3	11.1	109.2	0.017	8.2	2.52
69.6	11.8	0.01	27.8					
163.300	97.7	-124.9	10.2	11.0	109.0	0.019	8.0	2.51
69.6	12.6	0.01	27.8					
163.400	98.3	-125.0	10.2	11.0	113.3	0.013	8.0	2.51
69.6	12.3	0.01	28.2					
163.500	98.9	-125.0	10.1	10.9	112.7	0.010	8.1	2.51
69.6	12.6	0.01	28.6					
163.600	99.1	-125.0	10.1	10.8	116.1	0.007	8.1	2.51
69.6	12.6	0.01	28.4					
163.700	99.6	-125.1	10.0	10.8	116.8	0.009	8.0	2.51
69.6	12.7	0.01	28.5					
163.800	99.9	-125.1	10.0	10.7	120.9	0.010	8.1	2.50
69.6	12.8	0.00	28.4					
163.900	101.3	-125.2	9.9	10.6	121.8	0.013	8.1	2.51
69.6	12.6	0.01	29.2					
164.000	102.8	-125.2	9.7	10.6	120.9	0.011	8.1	2.51
69.6	12.3	0.00	29.5					
164.100	104.0	-125.3	9.6	10.5	124.4	0.012	8.0	2.50
69.6	12.8	0.01	29.3					
164.200	105.0	-125.4	9.5	10.3	123.1	0.010	8.1	2.51
69.6	12.7	0.01	28.9					
164.300	105.0	-125.4	9.5	10.3	127.0	0.014	8.0	2.51
69.6	12.6	0.01	28.6					
164.400	105.0	-125.5	9.5	10.2	128.0	0.015	8.1	2.51
69.6	12.4	0.00	28.8					
164.500	106.3	-125.6	9.4	10.2	127.8	0.016	8.1	2.51
69.6	12.3	0.00	28.8					
164.600	107.4	-125.7	9.3	10.1	124.1	0.016	8.0	2.51
69.6	12.3	0.00	29.0					
164.700	108.8	-125.8	9.2	10.1	124.1	0.020	8.1	2.50
69.6	12.9	0.00	28.7					
164.800	109.3	-126.0	9.1	10.1	126.3	0.018	8.0	2.52
69.6	12.0	0.00	29.7					
164.900	110.2	-126.2	9.1	10.1	122.8	0.023	8.1	2.51
69.6	12.1	0.00	29.3					
165.000	111.2	-126.4	9.0	10.1	121.6	0.022	8.0	2.52
69.6	11.9	0.00	29.1					

165.100	112.5	-126.7	8.9	10.0	119.0	0.029	8.1	2.52
69.6	11.8	0.00	28.9					
165.200	113.3	-127.1	8.8	10.0	120.0	0.030	8.1	2.52
69.6	11.7	0.00	29.2					
165.300	114.5	-127.6	8.7	10.0	118.3	0.036	8.1	2.52
69.6	11.8	0.01	29.4					
165.400	115.0	-128.2	8.7	10.0	119.8	0.037	8.1	2.51
69.6	12.2	0.01	28.7					
165.500	115.8	-128.9	8.6	9.9	124.6	0.040	8.1	2.51
69.6	12.5	0.01	29.1					
165.600	116.6	-129.7	8.6	9.9	120.5	0.037	8.1	2.51
69.6	12.6	0.01	29.1					
165.700	117.2	-130.5	8.5	9.8	119.4	0.035	8.1	2.50
69.6	13.3	0.00	29.5					
165.800	118.1	-130.9	8.5	9.8	119.8	0.031	8.2	2.49
69.6	14.0	0.00	29.3					
165.900	118.8	-130.9	8.4	9.7	116.8	0.028	8.2	2.48
69.6	14.6	0.01	29.6					
166.000	118.9	-130.9	8.4	9.7	117.7	0.028	8.3	2.47
69.6	14.9	0.01	29.8					
166.100	119.0	-130.9	8.4	9.6	119.8	0.032	8.2	2.47
69.6	15.0	0.01	30.0					
166.200	118.0	-130.7	8.5	9.5	119.0	0.033	8.2	2.47
69.6	15.1	0.01	30.5					
166.300	118.5	-130.4	8.4	9.5	117.7	0.033	8.3	2.45
69.6	16.0	0.01	30.0					
166.400	118.1	-130.0	8.5	9.4	116.8	0.027	8.3	2.44
69.6	16.9	0.01	30.1					
166.500	118.9	-129.4	8.4	9.4	117.9	0.022	8.3	2.42
69.6	17.7	0.01	30.4					
166.600	118.6	-128.7	8.4	9.4	117.9	0.015	8.3	2.42
69.6	17.9	0.01	30.2					
166.700	118.2	-127.9	8.5	9.4	117.9	0.017	8.3	2.41
69.6	18.7	0.01	29.8					
166.800	117.0	-127.0	8.5	9.5	117.4	0.015	8.3	2.40
69.6	19.4	0.01	30.5					
166.900	116.1	-126.6	8.6	9.6	113.3	0.016	8.3	2.39
69.6	19.8	0.01	30.7					
167.000	115.0	-126.4	8.7	9.7	108.4	0.018	8.3	2.39
69.6	19.9	0.01	30.4					
167.100	112.9	-126.2	8.9	9.8	109.0	0.029	8.3	2.38
69.6	20.5	0.01	30.4					
167.200	110.3	-126.1	9.1	10.0	108.6	0.033	8.3	2.39
69.6	20.2	0.01	29.5					
167.300	108.3	-125.9	9.2	10.2	104.9	0.043	8.2	2.39
69.6	19.8	0.01	30.0					
167.400	106.6	-125.7	9.4	10.4	105.1	0.048	8.2	2.40
69.6	19.6	0.01	29.7					
167.500	104.7	-125.6	9.6	10.6	99.5	0.048	8.2	2.39
69.6	20.0	0.01	29.0					
167.600	102.9	-125.6	9.7	10.9	97.5	0.047	8.2	2.39
69.6	20.1	0.01	28.8					
167.700	101.5	-125.6	9.9	11.2	95.8	0.044	8.2	2.39
69.6	20.0	0.01	28.6					

167.800	100.3	-125.7	10.0	11.5	91.3	0.045	8.2	2.39
69.6	19.6	0.01	28.1					
167.900	98.2	-125.8	10.2	11.9	90.8	0.045	8.2	2.41
69.6	18.7	0.01	27.8					
168.000	96.7	-126.1	10.3	12.5	84.6	0.038	8.1	2.42
69.6	18.0	0.01	27.3					
168.100	95.8	-126.4	10.4	13.0	80.2	0.036	8.0	2.42
69.6	17.8	0.01	27.2					
168.200	94.6	-126.9	10.6	13.6	74.2	0.036	8.0	2.44
69.6	16.5	0.01	27.4					
168.300	93.0	-127.6	10.8	14.2	67.3	0.034	8.0	2.46
69.6	15.6	0.01	26.0					
168.400	90.9	-128.8	11.0	14.9	62.5	0.026	8.0	2.47
69.6	14.8	0.01	25.7					
168.500	89.5	-130.3	11.2	15.6	56.2	0.021	8.0	2.48
69.6	14.3	0.01	25.2					
168.600	87.9	-132.6	11.4	16.4	52.3	0.010	7.9	2.50
69.6	13.0	0.01	24.9					
168.700	86.2	-135.8	11.6	17.1	46.5	0.003	7.9	2.52
69.6	12.0	0.00	24.2					
168.800	84.6	-139.4	11.8	17.9	43.7	0.002	7.9	2.52
69.6	11.7	0.01	23.1					
168.900	82.5	-143.5	12.1	18.7	38.9	0.001	7.9	2.53
69.6	11.1	0.01	22.7					
169.000	80.4	-147.9	12.4	19.5	35.0	0.004	7.9	2.54
69.6	10.6	0.01	22.1					
169.100	78.6	-152.3	12.7	20.2	29.8	0.003	7.9	2.55
69.6	10.0	0.00	21.6					
169.200	76.6	-156.8	13.1	21.0	26.8	0.004	7.9	2.56
69.6	9.5	0.01	20.7					
169.300	74.9	-161.3	13.4	21.5	24.9	0.005	7.9	2.57
69.6	8.7	0.00	20.1					
169.400	73.2	-165.6	13.7	22.1	22.9	0.009	7.9	2.58
69.6	8.0	0.01	19.6					
169.500	72.0	-169.7	13.9	22.8	22.5	0.012	7.9	2.59
69.6	7.3	0.01	19.4					
169.600	70.3	-173.3	14.2	23.2	21.2	0.011	7.9	2.60
69.6	6.9	0.01	19.1					
169.700	68.3	-176.2	14.7	23.8	20.8	0.014	7.9	2.59
69.6	7.4	0.01	18.7					
169.800	66.7	-178.2	15.0	24.4	20.8	0.013	7.9	2.59
69.6	7.2	0.01	18.7					
169.900	64.7	-179.8	15.5	25.0	19.9	0.014	7.9	2.58
69.6	7.8	0.00	18.5					
170.000	62.9	-180.9	15.9	26.0	19.5	0.011	7.9	2.58
69.6	7.9	0.00	18.3					
170.100	60.4	-181.4	16.6	27.4	18.6	0.011	7.9	2.58
69.6	8.1	0.00	18.2					
170.200	58.7	-182.0	17.0	28.4	19.7	0.015	7.9	2.57
69.6	8.7	0.00	18.2					
170.300	57.1	-182.4	17.5	29.3	20.5	0.020	7.8	2.57
69.6	8.5	0.00	18.5					
170.400	55.7	-182.6	18.0	30.3	22.5	0.030	7.8	2.56
69.6	9.4	0.00	18.7					

170.500	53.6	-182.8	18.7	31.3	26.4	0.029	7.8	2.56
69.6	9.4	0.00	19.0					
170.600	52.6	-182.7	19.0	31.8	29.2	0.035	7.8	2.55
69.7	10.0	0.00	19.0					
170.700	51.3	-182.4	19.5	31.8	31.8	0.035	7.8	2.54
69.6	10.8	0.00	19.4					
170.800	49.8	-181.9	20.1	31.2	33.5	0.030	7.8	2.52
69.6	11.6	0.00	19.8					
170.900	47.7	-180.9	21.0	31.2	35.0	0.034	7.8	2.50
69.7	12.8	0.00	20.4					
171.000	46.5	-179.5	21.5	30.9	37.2	0.029	7.9	2.48
69.6	14.2	0.00	21.0					
171.100	45.5	-177.8	22.0	30.7	38.3	0.029	7.9	2.47
69.7	14.8	0.00	21.2					
171.200	44.1	-175.8	22.7	30.3	40.4	0.029	7.9	2.46
69.6	15.3	0.00	21.7					
171.300	42.5	-173.4	23.5	30.4	38.7	0.031	7.9	2.46
69.7	15.7	0.01	21.9					
171.400	41.8	-170.9	23.9	30.9	42.2	0.027	8.0	2.47
69.6	15.1	0.01	22.2					
171.500	41.3	-168.3	24.2	31.4	44.8	0.024	8.0	2.47
69.7	15.0	0.01	22.2					
171.600	41.3	-165.9	24.2	32.2	47.8	0.024	8.0	2.46
69.6	15.7	0.01	22.4					
171.700	41.3	-163.6	24.2	33.0	48.2	0.014	8.0	2.46
69.6	15.8	0.01	22.7					
171.800	41.7	-161.5	24.0	34.0	48.7	0.016	8.0	2.45
69.7	16.0	0.01	22.8					
171.900	41.0	-159.8	24.4	35.3	47.6	0.013	8.1	2.46
69.7	15.4	0.01	22.6					
172.000	40.3	-158.6	24.8	36.8	43.7	0.015	8.0	2.46
69.6	15.3	0.01	22.3					
172.100	39.4	-157.9	25.4	38.1	41.5	0.021	8.0	2.47
69.6	14.7	0.01	22.1					
172.200	39.5	-157.5	25.3	39.4	38.5	0.021	8.0	2.48
69.7	14.0	0.01	22.2					
172.300	39.2	-157.5	25.5	40.6	37.2	0.025	8.0	2.48
69.7	14.0	0.01	22.0					
172.400	39.2	-157.9	25.5	42.4	34.2	0.027	7.9	2.49
69.7	13.5	0.00	21.5					
172.500	38.3	-158.6	26.1	44.6	31.6	0.025	7.9	2.51
69.7	12.5	0.00	20.8					
172.600	38.1	-159.6	26.3	46.8	30.9	0.027	7.8	2.52
69.7	12.0	0.00	20.6					
172.700	37.7	-161.0	26.6	48.8	28.3	0.028	7.8	2.54
69.7	10.8	0.00	20.0					
172.800	37.9	-162.6	26.4	50.1	29.2	0.027	7.8	2.55
69.7	10.1	0.00	19.5					
172.900	38.1	-164.5	26.2	51.9	24.9	0.024	7.8	2.56
69.7	9.3	0.00	18.6					
173.000	38.3	-166.5	26.1	53.8	22.3	0.029	7.8	2.57
69.7	8.7	0.00	18.7					
173.100	38.4	-168.7	26.1	56.4	19.7	0.027	7.8	2.58
69.7	7.8	0.01	18.4					

173.200	38.1	-171.0	26.3	55.8	19.2	0.024	7.8	2.60
69.7	7.1	0.00	18.2					
173.300	38.0	-173.5	26.3	56.4	18.0	0.023	7.8	2.60
69.7	6.7	0.01	17.6					
173.400	37.4	-176.1	26.7	56.6	17.1	0.017	7.8	2.61
69.7	6.3	0.01	17.1					
173.500	37.7	-178.8	26.5	57.5	17.5	0.013	7.9	2.61
69.7	5.9	0.01	16.9					
173.600	37.8	-181.3	26.5	58.3	16.4	0.011	7.8	2.62
69.7	5.6	0.01	16.7					
173.700	38.5	-183.7	26.0	57.8	18.6	0.013	7.9	2.62
69.7	5.5	0.01	15.9					
173.800	37.8	-185.7	26.5	56.7	17.5	0.012	7.9	2.64
69.7	4.6	0.01	15.8					
173.900	38.9	-187.4	25.8	59.1	18.0	0.011	7.9	2.65
69.7	4.0	0.01	15.7					
174.000	37.0	-189.0	27.2	58.8	19.0	0.012	7.9	2.66
69.7	3.3	0.01	15.7					
174.100	36.9	-190.4	27.3	59.3	18.2	0.016	7.9	2.66
69.7	3.0	0.01	15.5					
174.200	35.0	-191.4	28.6	59.6	17.7	0.014	7.9	2.67
69.7	2.5	0.00	15.3					
174.300	36.0	-192.2	27.8	60.9	19.2	0.014	7.9	2.67
69.7	2.3	0.00	15.4					
174.400	35.7	-192.9	28.0	63.6	20.1	0.014	7.8	2.67
69.7	2.5	0.00	15.6					
174.500	35.3	-193.4	28.4	64.6	20.8	0.015	7.9	2.67
69.7	2.3	0.00	15.5					
174.600	34.4	-193.9	29.1	64.6	20.8	0.016	7.9	2.68
69.7	2.0	0.00	15.2					
174.700	33.5	-194.4	29.9	67.9	19.9	0.018	7.8	2.67
69.7	2.2	0.00	15.2					
174.800	32.5	-194.7	30.8	70.6	18.4	0.019	7.9	2.68
69.7	1.7	0.00	15.3					
174.900	31.9	-195.1	31.4	72.1	20.5	0.024	7.9	2.68
69.7	1.7	0.00	15.5					
175.000	31.5	-195.5	31.7	73.4	21.0	0.020	7.9	2.67
69.7	2.3	0.01	15.7					
175.100	31.9	-195.7	31.4	72.3	21.8	0.020	7.9	2.67
69.7	2.3	0.00	15.4					
175.200	32.4	-196.1	30.9	73.8	21.4	0.020	7.9	2.67
69.7	2.2	0.01	15.6					
175.300	33.1	-196.5	30.2	75.3	22.9	0.021	7.9	2.67
69.7	2.6	0.01	15.6					
175.400	33.2	-196.9	30.1	74.5	22.9	0.018	7.9	2.66
69.7	3.0	0.01	15.6					
175.500	32.5	-197.3	30.8	74.3	23.1	0.019	7.9	2.65
69.7	3.8	0.01	15.5					
175.600	32.0	-197.7	31.3	74.2	24.9	0.014	7.9	2.65
69.7	3.8	0.01	15.6					
175.700	31.5	-198.1	31.8	72.0	26.0	0.017	7.9	2.63
69.7	4.7	0.01	15.6					
175.800	31.6	-198.5	31.7	71.1	24.4	0.014	7.9	2.63
69.7	5.0	0.01	15.6					

175.900	31.8	-198.9	31.4	69.3	25.3	0.012	7.9	2.62
69.7 5.6	0.01	15.8						
176.000	32.0	-199.3	31.3	66.9	26.0	0.010	7.9	2.62
69.7 5.7	0.01	15.8						
176.100	32.6	-199.6	30.7	64.7	25.5	0.011	7.9	2.61
69.7 6.1	0.01	16.1						
176.200	32.4	-199.9	30.9	62.1	26.6	0.004	7.9	2.61
69.7 6.1	0.01	16.2						
176.300	32.9	-200.1	30.4	60.9	28.5	0.008	7.9	2.60
69.7 6.7	0.01	16.5						
176.400	32.2	-200.2	31.1	59.6	28.3	0.011	7.9	2.59
69.7 7.3	0.01	16.5						
176.500	31.9	-200.3	31.4	59.2	27.5	0.008	7.9	2.60
69.7 6.7	0.01	16.4						
176.600	31.6	-200.4	31.6	59.9	28.3	0.012	7.9	2.60
69.7 7.1	0.01	16.7						
176.700	32.5	-200.5	30.8	60.2	27.3	0.009	7.9	2.59
69.7 7.3	0.01	16.9						
176.800	33.1	-200.5	30.2	60.0	27.3	0.006	7.9	2.60
69.7 6.7	0.01	17.0						
176.900	33.1	-200.6	30.3	60.0	26.6	0.014	7.9	2.60
69.7 6.9	0.00	17.0						
177.000	33.3	-200.8	30.1	58.7	25.7	0.010	7.9	2.60
69.7 6.8	0.00	17.2						
177.100	33.0	-201.0	30.3	58.6	23.8	0.012	7.8	2.59
69.7 7.3	0.00	17.4						
177.200	33.2	-201.2	30.1	58.1	26.6	0.012	7.9	2.59
69.7 7.4	0.00	17.6						
177.300	33.1	-201.5	30.2	56.5	28.8	0.015	7.9	2.59
69.7 7.3	0.00	18.0						
177.400	33.2	-201.9	30.1	55.3	29.6	0.014	7.9	2.60
69.7 6.9	0.00	18.1						
177.500	33.8	-202.6	29.6	54.6	29.6	0.018	7.9	2.59
69.7 7.3	0.00	18.2						
177.600	33.7	-203.5	29.7	53.6	29.6	0.013	7.9	2.59
69.7 7.7	0.00	18.4						
177.700	34.2	-204.4	29.3	54.1	29.0	0.011	7.9	2.58
69.7 8.3	0.00	18.4						
177.800	34.2	-205.3	29.3	54.6	29.0	0.012	7.8	2.57
69.7 8.5	0.01	18.7						
177.900	34.4	-206.3	29.1	54.3	27.5	0.009	7.9	2.58
69.7 8.2	0.01	18.7						
178.000	34.1	-207.3	29.3	53.5	27.0	0.012	7.8	2.57
69.7 8.7	0.01	18.9						
178.100	34.5	-208.2	29.0	53.5	26.2	0.017	7.9	2.57
69.7 8.5	0.01	19.2						
178.200	35.1	-209.2	28.5	53.7	27.3	0.014	7.8	2.57
69.7 8.5	0.01	19.3						
178.300	34.7	-210.0	28.9	53.5	26.2	0.019	7.8	2.56
69.7 9.4	0.01	19.7						
178.400	34.1	-210.9	29.4	52.9	27.3	0.020	7.8	2.56
69.7 9.2	0.01	19.9						
178.500	33.1	-211.6	30.2	53.5	29.8	0.020	7.8	2.56
69.7 9.4	0.01	20.2						

178.600	33.9	-212.1	29.5	54.6	30.7	0.017	7.8	2.56
69.7	9.3	0.01	20.4					
178.700	33.6	-212.5	29.8	56.1	28.5	0.016	7.8	2.57
69.7	8.8	0.01	20.5					
178.800	34.4	-213.0	29.1	57.6	26.6	0.017	7.8	2.57
69.7	8.9	0.01	20.0					
178.900	34.0	-213.4	29.4	58.9	25.3	0.018	7.8	2.56
69.7	9.1	0.01	20.1					
179.000	34.2	-213.9	29.2	59.6	24.7	0.022	7.8	2.57
69.7	8.9	0.01	20.6					
179.100	34.1	-214.2	29.3	60.8	24.7	0.024	7.9	2.57
69.7	8.5	0.01	20.5					
179.200	34.8	-214.4	28.7	60.8	22.9	0.023	7.8	2.58
69.7	7.8	0.01	20.4					
179.300	35.3	-214.5	28.3	61.0	23.1	0.022	7.9	2.60
69.7	6.9	0.01	19.9					
179.400	35.3	-214.5	28.3	60.2	23.1	0.024	7.9	2.60
69.7	6.8	0.01	20.0					
179.500	34.9	-214.6	28.7	60.2	23.8	0.023	7.9	2.60
69.7	6.7	0.01	19.9					
179.600	34.7	-214.5	28.8	59.7	23.4	0.017	7.9	2.60
69.7	6.8	0.01	19.6					
179.700	34.1	-214.5	29.3	59.0	22.5	0.015	7.9	2.61
69.7	6.4	0.01	19.7					
179.800	33.6	-214.3	29.7	58.9	22.3	0.016	7.9	2.61
69.7	6.3	0.01	19.3					
179.900	33.0	-214.1	30.3	59.3	22.3	0.018	7.9	2.60
69.7	6.7	0.01	19.3					
180.000	33.1	-213.9	30.3	60.0	20.8	0.020	7.9	2.60
69.7	6.6	0.01	19.2					
180.100	32.6	-213.7	30.6	61.0	21.8	0.016	7.9	2.60
69.7	6.7	0.01	18.9					
180.200	32.2	-213.8	31.0	61.7	20.1	0.020	7.8	2.60
69.7	7.1	0.01	18.9					
180.300	31.6	-213.9	31.7	63.6	20.3	0.023	7.9	2.60
69.7	6.9	0.01	18.9					
180.400	32.0	-214.5	31.3	65.6	19.5	0.025	7.8	2.60
69.7	6.7	0.01	18.7					
180.500	32.6	-215.7	30.7	68.1	20.1	0.026	7.8	2.60
69.7	7.1	0.01	18.1					
180.600	32.3	-216.8	31.0	69.4	20.1	0.025	7.8	2.59
69.7	7.2	0.01	17.8					
180.700	31.5	-218.0	31.7	71.4	21.4	0.020	7.8	2.58
69.7	7.9	0.01	17.8					
180.800	30.8	-219.2	32.5	74.4	20.3	0.017	7.8	2.57
69.7	8.7	0.01	17.6					
180.900	31.0	-220.4	32.3	77.0	21.6	0.020	7.8	2.57
69.7	9.0	0.01	17.7					
181.000	31.0	-221.5	32.2	75.7	22.1	0.019	7.8	2.57
69.7	8.9	0.01	17.6					
181.100	31.3	-222.5	32.0	77.5	22.1	0.020	7.8	2.57
69.7	8.8	0.01	17.5					
181.200	31.3	-223.3	31.9	79.7	22.9	0.021	7.8	2.56
69.7	9.2	0.00	17.2					

181.300	31.2	-224.1	32.0	81.8	22.5	0.022	7.8	2.56
69.7	9.1	0.00	17.1					
181.400	30.6	-224.7	32.6	82.4	22.7	0.022	7.8	2.56
69.7	9.2	0.01	16.9					
181.500	30.0	-225.0	33.4	83.4	22.5	0.019	7.8	2.57
69.7	8.7	0.00	16.5					
181.600	29.3	-224.6	34.1	84.8	21.2	0.018	7.8	2.58
69.7	8.3	0.01	16.4					
181.700	29.1	-224.1	34.4	88.6	24.0	0.017	7.8	2.57
69.7	8.5	0.00	16.2					
181.800	29.5	-223.7	33.9	87.6	25.3	0.014	7.8	2.57
69.7	8.5	0.00	15.9					
181.900	29.3	-223.2	34.1	87.1	26.4	0.016	7.8	2.57
69.7	8.8	0.01	15.8					
182.000	28.7	-222.9	34.9	90.2	25.1	0.014	7.8	2.58
69.7	8.2	0.01	15.9					
182.100	27.9	-222.4	35.8	91.1	25.3	0.017	7.8	2.58
69.7	8.0	0.01	15.9					
182.200	27.5	-222.1	36.4	92.1	25.3	0.016	7.8	2.59
69.7	7.7	0.01	15.7					
182.300	27.8	-221.8	36.0	99.9	24.4	0.017	7.8	2.59
69.7	7.5	0.01	15.8					
182.400	27.6	-221.5	36.2	103.9	22.1	0.013	7.9	2.60
69.7	6.7	0.01	15.5					
182.500	27.7	-221.3	36.1	108.8	21.4	0.013	7.8	2.60
69.7	6.6	0.01	15.5					
182.600	27.4	-221.0	36.5	115.0	21.6	0.011	7.9	2.61
69.7	6.2	0.01	15.1					
182.700	26.9	-220.9	37.2	115.0	21.6	0.015	7.8	2.61
69.7	6.4	0.01	14.9					
182.800	26.7	-220.9	37.4	120.6	22.5	0.014	7.9	2.61
69.7	6.3	0.01	14.8					
182.900	26.4	-220.9	37.9	123.3	21.0	0.010	7.8	2.62
69.7	5.7	0.01	14.7					
183.000	25.7	-221.1	39.0	123.3	20.1	0.009	7.9	2.62
69.7	5.8	0.01	14.9					
183.100	26.0	-221.2	38.5	122.5	20.1	0.011	7.8	2.62
69.7	5.6	0.01	14.6					
183.200	26.0	-221.4	38.5	120.9	18.6	0.013	7.9	2.62
69.7	5.6	0.01	14.6					
183.300	27.1	-221.7	37.0	117.4	18.2	0.014	7.8	2.62
69.7	5.8	0.01	14.9					
183.400	26.4	-221.9	37.9	117.4	18.0	0.011	7.8	2.62
69.7	5.5	0.01	14.8					
183.500	26.6	-222.2	37.7	115.8	19.2	0.013	7.8	2.62
69.7	5.6	0.01	14.8					
183.600	26.2	-222.5	38.1	115.8	20.1	0.017	7.8	2.62
69.7	5.4	0.01	14.7					
183.700	26.3	-222.8	38.0	114.9	20.5	0.022	7.9	2.63
69.7	5.0	0.01	14.8					
183.800	25.8	-223.2	38.8	121.2	21.0	0.023	7.8	2.63
69.7	5.2	0.01	14.7					
183.900	25.4	-223.5	39.5	125.3	21.6	0.023	7.8	2.62
69.7	5.8	0.01	14.6					

184.000	25.0	-223.9	40.0	126.4	22.5	0.020	7.8	2.62
69.7	5.9	0.01 14.2						
184.100	24.8	-224.2	40.4	129.1	22.7	0.023	7.8	2.60
69.7	6.7	0.01 14.2						
184.200	24.8	-224.5	40.4	132.7	21.0	0.020	7.8	2.61
69.7	6.4	0.01 14.3						
184.300	24.2	-224.7	41.3	138.1	21.6	0.021	7.8	2.61
69.7	6.5	0.01 14.0						
184.400	24.2	-224.9	41.3	136.9	22.1	0.018	7.8	2.61
69.7	6.3	0.01 14.0						
184.500	23.7	-225.1	42.3	140.5	21.6	0.019	7.8	2.62
69.8	5.9	0.01 13.5						
184.600	24.1	-225.1	41.5	149.8	21.2	0.020	7.8	2.61
69.7	6.3	0.01 13.2						
184.700	24.5	-225.2	40.9	153.9	20.8	0.022	7.9	2.61
69.7	6.1	0.01 13.2						
184.800	24.7	-225.3	40.4	161.3	19.0	0.021	7.8	2.61
69.7	6.1	0.01 12.7						
184.900	24.6	-225.3	40.6	168.3	18.2	0.019	7.9	2.62
69.7	5.8	0.01 12.4						
185.000	23.7	-225.3	42.3	160.8	16.9	0.017	7.8	2.61
69.8	6.1	0.01 12.2						
185.100	23.7	-225.2	42.3	166.8	16.9	0.012	7.9	2.61
69.8	6.1	0.01 11.8						
185.200	23.5	-225.0	42.5	161.3	16.0	0.014	7.8	2.61
69.8	6.4	0.01 11.5						
185.300	24.2	-224.9	41.4	164.8	16.9	0.009	7.9	2.61
69.7	5.9	0.01 11.2						
185.400	23.7	-224.7	42.2	174.3	18.6	0.009	7.9	2.63
69.8	5.3	0.01 10.9						
185.500	23.3	-224.4	42.9	171.8	18.6	0.015	7.9	2.64
69.7	4.1	0.01 11.0						
185.600	23.0	-224.2	43.5	164.0	18.4	0.024	7.9	2.66
69.7	3.4	0.01 11.0						
185.700	23.7	-223.9	42.2	173.2	20.5	0.025	7.9	2.66
69.8	3.2	0.01 10.6						
185.800	24.0	-223.6	41.7	178.9	20.3	0.023	7.9	2.66
69.8	3.1	0.01 10.5						
185.900	23.4	-223.2	42.9	187.5	20.3	0.020	7.9	2.67
69.8	2.8	0.01 10.3						
186.000	22.0	-222.8	45.6	187.5	21.4	0.023	7.9	2.67
69.8	2.7	0.01 10.5						
186.100	21.9	-222.3	45.7	213.6	22.7	0.026	7.9	2.67
69.8	2.2	0.01 10.5						
186.200	22.5	-221.9	44.5	231.7	22.3	0.025	7.9	2.68
69.8	1.8	0.01 10.0						
186.300	23.2	-221.4	43.2	248.9	24.0	0.023	7.9	2.69
69.8	1.3	0.01 9.9						
186.400	22.9	-221.1	43.6	260.4	24.9	0.025	7.9	2.70
69.8	0.9	0.01 9.8						
186.500	22.2	-221.0	45.1	251.8	25.1	0.026	7.9	2.71
69.8	0.2	0.01 9.6						
186.600	22.1	-220.9	45.3	278.8	24.4	0.033	7.9	2.70
69.8	0.3	0.01 9.4						

186.700	22.4	-220.8	44.8	283.4	25.7	0.031	7.9	2.71
69.8	-0.2	0.01	9.4					
186.800	22.7	-220.8	44.0	253.2	25.3	0.030	7.9	2.71
69.8	0.1	0.01	9.3					
186.900	21.9	-220.8	45.8	242.6	26.2	0.020	7.9	2.71
69.8	-0.1	0.01	9.2					
187.000	21.3	-220.8	46.9	242.6	28.3	0.022	7.9	2.70
69.8	0.9	0.01	8.9					
187.100	21.1	-220.8	47.4	280.2	29.8	0.022	7.8	2.70
69.8	0.5	0.01	8.8					
187.200	21.4	-220.9	46.8	296.1	30.7	0.030	7.9	2.70
69.8	0.5	0.01	8.6					
187.300	21.6	-221.0	46.4	293.0	31.1	0.027	7.9	2.70
69.8	0.3	0.01	8.6					
187.400	21.6	-221.1	46.3	293.0	32.0	0.023	7.8	2.70
69.8	0.4	0.01	8.3					
187.500	21.6	-221.4	46.4	296.1	32.9	0.024	7.9	2.70
69.8	0.8	0.01	8.0					
187.600	21.1	-221.3	47.4	291.2	32.4	0.026	7.9	2.70
69.8	0.7	0.01	7.8					
187.700	21.3	-220.9	46.9	283.4	32.9	0.025	7.9	2.70
69.8	0.9	0.01	7.6					
187.800	21.0	-220.4	47.7	243.4	32.0	0.024	7.9	2.70
69.8	0.7	0.01	7.5					
187.900	21.1	-219.8	47.5	231.8	32.9	0.022	7.9	2.69
69.8	1.1	0.01	7.4					
188.000	20.3	-219.3	49.3	206.2	34.2	0.023	7.9	2.70
69.8	0.8	0.01	7.3					
188.100	20.3	-218.7	49.3	199.8	33.7	0.023	7.9	2.70
69.8	0.7	0.01	7.2					
188.200	20.1	-218.1	49.7	202.7	32.7	0.023	7.9	2.70
69.8	0.8	0.01	7.1					
188.300	19.7	-217.3	50.9	215.0	33.5	0.020	7.9	2.70
69.8	0.5	0.01	7.1					
188.400	19.1	-216.6	52.4	216.9	30.9	0.024	7.9	2.70
69.8	0.8	0.01	7.0					
188.500	18.6	-215.7	53.9	209.8	28.3	0.020	7.9	2.70
69.8	0.5	0.01	6.9					
188.600	18.6	-214.6	53.6	217.3	27.9	0.023	7.9	2.69
69.8	1.0	0.01	6.8					
188.700	18.9	-213.7	53.1	215.9	27.0	0.025	7.9	2.70
69.8	0.8	0.01	6.7					
188.800	18.9	-213.1	53.1	242.9	26.2	0.022	7.9	2.69
69.8	1.1	0.01	6.6					
188.900	18.7	-212.5	53.5	237.6	25.3	0.020	7.9	2.69
69.8	1.4	0.01	6.6					
189.000	18.9	-211.9	53.1	240.9	24.4	0.019	7.9	2.69
69.8	1.0	0.01	6.4					
189.100	19.3	-211.3	52.0	233.4	23.6	0.019	7.9	2.70
69.8	0.5	0.01	6.2					
189.200	19.7	-210.8	50.7	228.8	24.2	0.019	7.9	2.71
69.8	-0.0	0.01	6.1					
189.300	20.3	-210.3	49.4	222.0	25.5	0.024	7.9	2.71
69.8	-0.2	0.01	6.0					

189.400	20.4	-209.9	49.0	214.9	24.7	0.025	7.9	2.72
69.8	-0.5	0.01	6.0					
189.500	21.4	-209.4	46.9	180.2	25.3	0.028	7.9	2.71
69.8	0.1	0.01	6.0					
189.600	22.0	-208.9	45.7	179.5	28.3	0.028	7.9	2.71
69.8	-0.2	0.01	5.9					
189.700	23.0	-208.4	43.4	158.4	29.6	0.026	7.9	2.71
69.8	-0.0	0.01	5.8					
189.800	23.6	-207.8	42.4	154.6	28.3	0.025	7.8	2.70
69.8	0.4	0.01	5.7					
189.900	24.7	-207.2	40.6	147.6	30.7	0.023	7.9	2.71
69.8	0.2	0.01	5.7					
190.000	25.5	-206.5	39.2	132.4	33.3	0.025	7.9	2.72
69.8	-0.3	0.01	5.7					
190.100	26.0	-205.8	38.5	128.8	34.2	0.030	7.9	2.71
69.8	-0.3	0.01	6.0					
190.200	27.0	-205.0	37.1	120.8	37.2	0.032	7.9	2.71
69.8	-0.1	0.01	6.1					
190.300	27.6	-204.2	36.3	105.7	38.9	0.034	7.9	2.72
69.8	-0.7	0.01	6.2					
190.400	29.0	-203.2	34.5	95.4	41.5	0.033	7.9	2.73
69.8	-1.3	0.01	6.5					
190.500	30.1	-202.2	33.3	84.7	42.2	0.035	7.9	2.72
69.8	-0.7	0.01	7.0					
190.600	32.1	-201.1	31.2	78.7	45.6	0.028	7.9	2.71
69.8	-0.1	0.01	7.8					
190.700	34.2	-199.9	29.3	73.5	48.0	0.026	7.9	2.71
69.8	0.3	0.01	8.4					
190.800	35.5	-198.7	28.2	65.2	50.2	0.028	7.9	2.70
69.8	0.8	0.01	9.0					
190.900	36.3	-197.3	27.6	57.0	54.7	0.030	7.9	2.69
69.8	1.2	0.01	9.5					
191.000	36.8	-195.8	27.2	51.7	59.9	0.030	7.9	2.69
69.8	1.2	0.01	10.2					
191.100	37.2	-194.4	26.9	46.6	65.3	0.031	7.9	2.68
69.8	2.1	0.01	11.1					
191.200	37.9	-192.8	26.4	42.8	73.3	0.031	7.9	2.66
69.8	2.9	0.01	12.0					
191.300	38.1	-191.2	26.3	38.6	82.8	0.029	7.9	2.66
69.8	3.1	0.01	13.3					
191.400	38.7	-189.5	25.8	35.8	89.1	0.028	7.9	2.65
69.8	4.0	0.01	14.7					
191.500	39.3	-187.7	25.4	32.7	93.9	0.030	7.9	2.62
69.8	5.4	0.01	15.8					
191.600	40.1	-185.7	25.0	31.5	99.9	0.031	7.9	2.61
69.8	6.0	0.01	16.6					
191.700	40.1	-183.7	24.9	29.8	102.1	0.033	7.9	2.61
69.8	6.3	0.01	17.2					
191.800	40.1	-181.7	25.0	28.6	107.3	0.031	7.9	2.59
69.8	7.3	0.01	18.1					
191.900	39.2	-179.8	25.5	27.5	110.3	0.034	7.9	2.58
69.8	8.4	0.01	19.0					
192.000	40.9	-178.0	24.6	27.1	115.1	0.033	7.9	2.57
69.8	8.5	0.01	19.7					

192.100	39.8	-176.4	25.3	27.4	115.3	0.030	7.9	2.57
69.8	8.9	0.01	20.2					
192.200	40.1	-174.9	25.1	28.1	114.8	0.025	7.9	2.56
69.8	9.6	0.01	21.0					
192.300	38.7	-173.5	25.9	29.6	113.5	0.022	7.9	2.56
69.8	9.5	0.01	21.4					
192.400	39.5	-172.4	25.3	32.2	109.0	0.024	7.9	2.56
69.8	9.2	0.01	21.8					
192.500	40.0	-171.4	25.0	34.8	103.8	0.028	7.9	2.57
69.8	8.9	0.01	22.0					
192.600	40.0	-170.9	25.0	37.4	97.1	0.030	7.8	2.58
69.8	7.8	0.01	21.8					
192.700	40.1	-170.8	25.0	40.4	88.5	0.032	7.9	2.61
69.8	6.3	0.01	21.5					
192.800	39.8	-171.1	25.1	43.5	78.9	0.035	7.8	2.62
69.8	5.8	0.01	20.6					
192.900	39.9	-171.9	25.1	46.3	70.7	0.036	7.9	2.63
69.8	4.7	0.01	19.8					
193.000	40.5	-172.9	24.7	49.2	64.2	0.034	7.8	2.65
69.8	3.7	0.01	19.0					
193.100	40.1	-174.3	24.9	52.5	56.0	0.032	7.9	2.66
69.8	2.8	0.01	18.4					
193.200	40.0	-175.8	25.0	55.1	50.8	0.033	7.8	2.67
69.8	2.2	0.01	17.9					
193.300	40.3	-177.5	24.8	57.5	43.7	0.033	7.9	2.69
69.8	1.4	0.01	17.1					
193.400	41.3	-179.4	24.2	58.9	37.6	0.034	7.9	2.69
69.8	1.0	0.01	16.2					
193.500	41.4	-181.4	24.1	59.9	31.8	0.035	7.9	2.70
69.8	0.9	0.01	15.2					
193.600	41.0	-183.4	24.4	60.6	29.0	0.036	7.9	2.70
69.8	0.7	0.01	14.6					
193.700	40.7	-185.5	24.6	61.6	27.3	0.031	7.9	2.71
69.8	0.3	0.01	13.4					
193.800	41.3	-187.6	24.2	59.9	26.0	0.027	7.9	2.71
69.8	0.1	0.01	12.5					
193.900	41.8	-189.5	23.9	58.7	26.4	0.027	7.9	2.71
69.8	-0.1	0.01	11.9					
194.000	42.3	-191.2	23.6	58.8	25.7	0.025	7.9	2.71
69.8	-0.3	0.01	11.3					
194.100	41.6	-192.8	24.1	60.6	24.0	0.023	7.8	2.70
69.8	0.4	0.01	10.9					
194.200	40.8	-194.3	24.6	64.0	22.7	0.019	7.8	2.69
69.8	1.2	0.01	10.7					
194.300	39.8	-195.7	25.2	65.5	23.1	0.019	7.9	2.69
69.8	1.4	0.01	10.8					
194.400	38.9	-197.0	25.7	68.2	22.3	0.021	7.9	2.68
69.8	1.7	0.01	10.4					
194.500	38.8	-198.2	25.8	70.3	22.3	0.020	7.9	2.67
69.8	2.2	0.01	10.3					
194.600	38.2	-199.4	26.2	73.0	22.7	0.019	7.9	2.68
69.9	1.9	0.01	10.6					
194.700	37.2	-200.7	27.0	76.6	23.1	0.022	7.8	2.68
69.8	2.1	0.01	10.9					

194.800	35.8	-202.0	28.0	82.4	23.1	0.025	7.8	2.67
69.9	2.2	0.01 11.2						
194.900	34.3	-203.2	29.2	82.0	24.0	0.027	7.8	2.68
69.9	2.1	0.01 11.1						
195.000	33.4	-204.6	29.9	84.3	24.7	0.030	7.8	2.68
69.8	1.9	0.01 11.3						
195.100	32.2	-206.0	31.1	84.6	25.5	0.031	7.8	2.68
69.9	1.6	0.01 11.2						
195.200	30.8	-207.4	32.5	86.5	23.8	0.032	7.8	2.68
69.9	2.0	0.01 11.5						
195.300	29.5	-208.8	34.0	90.6	24.9	0.027	7.8	2.67
69.8	2.2	0.01 11.8						
195.400	28.9	-210.3	34.6	91.3	24.4	0.026	7.9	2.67
69.9	2.7	0.01 11.8						
195.500	29.0	-211.7	34.5	89.5	24.4	0.030	7.8	2.66
69.9	2.9	0.01 11.8						
195.600	29.4	-213.0	34.0	89.1	25.3	0.029	7.8	2.66
69.9	2.8	0.01 11.8						
195.700	28.7	-214.4	34.8	88.8	25.5	0.027	7.9	2.66
69.9	2.8	0.01 11.9						
195.800	28.3	-215.7	35.3	88.1	26.0	0.027	7.8	2.67
69.9	2.2	0.01 11.8						
195.900	27.8	-216.9	35.9	85.0	27.7	0.030	7.9	2.67
69.8	2.8	0.01 11.9						
196.000	28.1	-218.1	35.6	82.4	27.0	0.023	7.9	2.67
69.8	2.6	0.01 12.1						
196.100	27.5	-219.2	36.3	80.6	28.3	0.023	7.8	2.66
69.9	3.1	0.01 11.8						
196.200	27.3	-220.2	36.7	77.6	27.9	0.023	7.9	2.66
69.9	2.9	0.01 11.9						
196.300	27.5	-221.1	36.5	75.2	26.4	0.023	7.9	2.66
69.9	2.9	0.01 12.0						
196.400	27.9	-222.0	35.9	71.5	26.0	0.020	7.9	2.67
69.9	2.5	0.01 12.3						
196.500	27.7	-222.9	36.1	68.7	26.4	0.021	7.9	2.67
69.9	2.3	0.01 12.1						
196.600	27.6	-223.9	36.3	69.6	25.5	0.025	7.8	2.67
69.9	2.6	0.01 12.2						
196.700	28.1	-225.0	35.7	66.8	26.4	0.025	7.9	2.67
69.9	2.5	0.01 12.2						
196.800	29.3	-226.2	34.2	63.8	24.4	0.021	7.8	2.66
69.9	2.9	0.01 12.3						
196.900	29.4	-227.4	34.1	61.4	23.6	0.021	7.9	2.66
69.9	3.4	0.01 12.5						
197.000	29.9	-228.5	33.5	60.9	22.9	0.020	7.9	2.65
69.9	3.7	0.01 12.6						
197.100	30.1	-229.4	33.2	60.7	24.7	0.022	7.9	2.66
69.9	3.4	0.01 13.0						
197.200	30.7	-230.2	32.5	59.5	26.8	0.022	7.9	2.65
69.9	3.5	0.01 13.1						
197.300	31.3	-231.2	32.0	56.3	27.3	0.026	7.8	2.64
69.9	4.6	0.01 13.2						
197.400	32.2	-232.1	31.2	53.6	28.8	0.026	7.9	2.64
69.9	4.4	0.01 13.4						

197.500	33.6	-232.6	29.8	51.3	31.1	0.025	7.8	2.63
69.9	4.9	0.01 13.4						
197.600	34.5	-233.1	29.0	48.7	30.7	0.022	7.9	2.62
69.9	5.7	0.01 13.9						
197.700	34.2	-233.5	29.2	46.6	30.9	0.022	7.9	2.61
69.9	6.1	0.01 13.7						
197.800	34.7	-233.6	28.9	44.5	33.1	0.018	7.9	2.60
69.9	6.7	0.01 13.3						
197.900	35.0	-233.7	28.6	42.7	34.6	0.015	7.9	2.59
69.9	7.2	0.01 13.3						
198.000	36.3	-233.5	27.5	41.6	35.0	0.017	7.9	2.59
69.9	7.2	0.01 13.6						
198.100	36.9	-233.3	27.1	40.3	35.0	0.021	7.9	2.59
69.9	7.3	0.01 13.5						
198.200	37.9	-233.0	26.4	39.5	34.6	0.021	7.9	2.59
69.9	7.3	0.01 13.5						
198.300	38.5	-232.8	26.0	38.6	34.6	0.023	7.8	2.60
69.9	7.0	0.01 13.3						
198.400	39.1	-232.2	25.6	37.9	35.7	0.019	7.9	2.60
69.9	6.5	0.01 13.3						
198.500	39.9	-231.5	25.1	37.2	35.7	0.016	7.8	2.62
69.9	5.8	0.01 13.5						
198.600	40.2	-231.1	24.9	36.5	34.8	0.014	7.9	2.62
69.9	5.7	0.01 13.5						
198.700	41.0	-230.6	24.4	35.9	34.6	0.012	7.8	2.62
69.9	5.3	0.01 13.6						
198.800	41.7	-230.1	24.0	35.3	34.2	0.011	7.9	2.63
69.9	4.7	0.01 13.9						
198.900	43.6	-229.4	23.0	35.0	34.4	0.009	7.9	2.64
69.9	4.1	0.01 14.3						
199.000	44.2	-228.6	22.6	34.4	35.7	0.013	7.9	2.66
69.9	3.0	0.01 14.4						
199.100	45.2	-227.7	22.1	33.2	38.1	0.015	7.9	2.67
69.9	2.2	0.01 14.4						
199.200	45.1	-226.7	22.2	32.2	43.9	0.018	7.9	2.67
69.9	2.2	0.01 14.6						
199.300	46.0	-225.2	21.7	30.9	48.2	0.014	7.9	2.68
69.9	2.1	0.01 15.2						
199.400	46.6	-223.6	21.5	29.4	53.4	0.011	7.9	2.67
69.9	2.3	0.01 15.5						
199.500	47.7	-221.7	21.0	28.4	57.7	0.013	7.9	2.67
69.9	2.8	0.01 15.6						
199.600	48.7	-219.4	20.5	26.6	63.6	0.012	7.9	2.66
69.9	2.9	0.01 16.5						
199.700	49.5	-216.9	20.2	25.3	71.8	0.014	7.9	2.66
69.9	3.3	0.01 17.1						
199.800	49.7	-213.9	20.1	24.0	78.3	0.015	7.9	2.65
69.9	3.7	0.01 17.6						
199.900	50.1	-210.4	20.0	22.7	90.2	0.016	7.9	2.64
69.9	4.3	0.01 18.6						
200.000	51.0	-206.7	19.6	21.7	99.3	0.019	7.9	2.62
69.9	5.3	0.00 19.0						
200.100	52.3	-202.9	19.1	21.0	110.7	0.020	7.9	2.61
69.9	6.1	0.00 19.4						

200.200	53.6	-198.8	18.7	20.0	119.8	0.022	7.9	2.59
69.9	7.6	0.00	20.1					
200.300	54.6	-194.9	18.3	19.5	130.0	0.016	7.9	2.57
69.9	8.9	0.00	21.4					
200.400	55.3	-191.4	18.1	18.9	136.9	0.013	8.0	2.54
69.9	10.6	0.00	21.9					
200.500	55.7	-188.0	18.0	18.7	144.7	0.012	7.9	2.52
69.9	12.1	0.00	22.8					
200.600	56.1	-185.0	17.8	18.6	155.3	0.017	7.9	2.49
69.9	13.5	0.00	23.5					
200.700	56.8	-182.5	17.6	18.6	167.8	0.018	8.0	2.48
69.9	14.2	0.00	24.6					
200.800	57.5	-180.1	17.4	18.3	181.2	0.023	7.9	2.46
69.9	15.5	0.00	25.2					
200.900	58.5	-178.2	17.1	18.3	193.1	0.026	7.9	2.43
69.9	17.3	0.00	26.2					
201.000	60.1	-176.7	16.6	18.2	204.8	0.028	7.9	2.40
69.9	19.3	0.00	27.1					
201.100	61.9	-175.6	16.2	18.2	223.0	0.026	7.9	2.37
69.9	21.2	0.00	27.8					
201.200	64.2	-174.8	15.6	18.0	236.4	0.022	8.0	2.34
69.9	22.8	0.00	28.2					
201.300	66.1	-174.3	15.1	17.7	249.6	0.020	8.0	2.32
69.9	24.2	0.01	29.2					
201.400	68.4	-174.0	14.6	17.3	255.6	0.021	8.0	2.29
69.9	25.8	0.01	29.6					
201.500	70.5	-173.8	14.2	17.0	270.8	0.018	8.1	2.27
69.9	27.2	0.01	30.4					
201.600	73.1	-173.8	13.7	16.5	275.3	0.017	8.0	2.26
69.9	28.2	0.01	31.2					
201.700	75.7	-173.8	13.2	16.0	277.9	0.016	8.0	2.25
69.9	28.4	0.01	31.4					
201.800	79.2	-174.0	12.6	15.3	283.1	0.013	8.0	2.25
69.9	28.6	0.01	31.0					
201.900	81.1	-174.2	12.3	14.7	291.8	0.005	8.1	2.25
69.9	28.3	0.01	31.3					
202.000	83.5	-174.5	12.0	14.0	291.1	0.000	8.0	2.26
69.9	28.1	0.01	31.3					
202.100	85.5	-174.9	11.7	13.3	284.2	-0.008	8.1	2.27
69.9	27.3	0.01	31.0					
202.200	88.9	-175.2	11.3	12.7	276.4	-0.009	8.1	2.29
69.9	26.2	0.01	30.7					
202.300	91.1	-175.5	11.0	12.1	266.9	-0.005	7.9	2.31
69.9	25.1	0.01	30.9					
202.400	93.2	-175.7	10.7	11.5	256.1	-0.005	8.0	2.33
69.9	23.6	0.01	30.5					
202.500	94.6	-175.7	10.6	11.1	242.5	-0.003	8.0	2.37
69.9	21.4	0.01	30.3					
202.600	96.2	-175.6	10.4	10.6	222.3	-0.002	8.0	2.40
69.9	19.3	0.01	30.1					
202.700	98.1	-175.3	10.2	10.3	205.3	-0.001	8.0	2.43
69.9	17.5	0.01	29.7					
202.800	100.3	-175.0	10.0	10.0	191.2	0.003	8.0	2.45
69.9	16.0	0.01	29.2					

202.900	102.6	-174.5	9.8	9.8	178.2	0.008	8.0	2.47
69.9	14.9	0.01 28.8						
203.000	104.3	-174.1	9.6	9.6	157.9	0.009	8.0	2.50
69.9	13.3	0.01 28.3						
203.100	105.9	-173.6	9.4	9.4	145.8	0.012	8.0	2.51
69.9	12.4	0.01 28.2						
203.200	107.6	-173.1	9.3	9.3	138.9	0.013	8.0	2.52
69.9	11.8	0.01 27.9						
203.300	108.9	-172.6	9.2	9.1	127.4	0.015	8.0	2.54
69.9	10.7	0.01 28.1						
203.400	110.2	-172.1	9.1	9.1	117.2	0.017	8.0	2.55
69.9	10.1	0.01 28.0						
203.500	111.7	-171.6	9.0	9.1	112.3	0.015	8.0	2.55
69.9	9.9	0.01 28.0						
203.600	113.0	-171.4	8.9	9.0	109.2	0.012	8.0	2.55
69.9	10.0	0.01 28.3						
203.700	114.3	-171.3	8.7	8.9	103.8	0.013	8.0	2.54
69.9	10.7	0.01 28.5						
203.800	116.0	-171.2	8.6	8.8	99.9	0.014	7.9	2.54
69.9	10.8	0.01 29.3						
203.900	117.9	-171.2	8.5	8.7	95.6	0.009	8.0	2.54
69.9	10.6	0.01 29.1						
204.000	119.9	-171.2	8.3	8.7	93.9	0.010	8.0	2.54
69.9	10.8	0.01 28.9						
204.100	121.9	-171.1	8.2	8.6	96.5	0.012	8.0	2.53
69.9	11.1	0.01 28.6						
204.200	123.1	-171.1	8.1	8.5	96.9	0.009	8.0	2.53
69.9	11.2	0.01 28.9						
204.300	125.3	-171.1	8.0	8.4	93.9	0.012	8.0	2.53
69.9	11.0	0.01 28.7						
204.400	126.7	-171.2	7.9	8.4	92.8	0.014	8.0	2.54
69.9	10.5	0.01 28.5						
204.500	129.0	-171.3	7.7	8.3	96.2	0.015	8.0	2.54
69.9	10.6	0.01 28.0						
204.600	129.7	-171.4	7.7	8.2	95.8	0.018	8.0	2.54
69.9	10.5	0.01 27.9						
204.700	131.0	-171.6	7.6	8.2	95.2	0.016	8.0	2.55
69.9	10.1	0.01 28.2						
204.800	131.6	-171.8	7.6	8.1	94.3	0.018	8.0	2.55
69.9	10.0	0.01 27.9						
204.900	132.4	-172.0	7.6	8.1	91.3	0.021	8.0	2.55
69.9	10.2	0.01 27.8						
205.000	132.0	-172.1	7.6	8.1	90.4	0.020	8.0	2.55
69.9	10.0	0.01 27.7						
205.100	131.9	-172.4	7.6	8.0	90.4	0.023	8.0	2.56
69.9	9.5	0.01 27.5						
205.200	132.3	-172.7	7.6	8.0	88.5	0.029	8.0	2.57
69.9	8.8	0.01 26.9						
205.300	133.1	-172.9	7.5	8.0	88.0	0.030	8.0	2.57
69.9	8.6	0.01 25.5						
205.400	133.1	-173.0	7.5	8.0	88.5	0.026	8.0	2.56
69.9	9.1	0.01 25.6						
205.500	133.3	-173.1	7.5	8.1	92.6	0.024	8.0	2.56
69.9	9.4	0.01 25.6						

205.600	133.0	-173.2	7.5	8.1	89.1	0.023	8.0	2.56
69.9	9.2	0.01 25.5						
205.700	132.9	-173.2	7.5	8.2	87.6	0.021	8.0	2.56
69.9	9.1	0.01 25.6						
205.800	131.9	-173.2	7.6	8.2	90.2	0.022	8.0	2.56
69.9	9.1	0.01 25.7						
205.900	130.8	-173.2	7.6	8.3	90.6	0.021	8.0	2.57
69.9	8.8	0.01 25.9						
206.000	129.9	-173.2	7.7	8.3	85.4	0.021	7.9	2.58
69.9	7.9	0.01 26.1						
206.100	128.6	-173.2	7.8	8.4	83.1	0.025	8.0	2.59
69.9	7.4	0.01 25.5						
206.200	127.6	-173.1	7.8	8.5	78.9	0.021	8.0	2.60
69.9	6.6	0.01 25.0						
206.300	127.9	-173.1	7.8	8.6	78.5	0.024	8.0	2.61
70.0	6.4	0.01 24.7						
206.400	128.0	-173.1	7.8	8.7	75.9	0.017	8.0	2.62
70.0	5.5	0.01 24.4						
206.500	128.4	-173.2	7.8	8.8	72.9	0.015	7.9	2.64
70.0	4.5	0.01 24.2						
206.600	127.6	-173.3	7.8	8.9	71.2	0.017	8.0	2.65
69.9	3.9	0.01 24.0						
206.700	127.2	-173.3	7.9	9.1	69.4	0.021	8.0	2.65
70.0	3.9	0.01 24.0						
206.800	126.6	-173.5	7.9	9.1	66.4	0.025	8.0	2.66
70.0	3.1	0.01 24.1						
206.900	127.1	-173.6	7.9	9.1	66.4	0.028	8.0	2.67
69.9	2.3	0.01 23.8						
207.000	127.7	-173.7	7.8	9.2	63.4	0.029	8.0	2.68
70.0	1.7	0.01 23.7						
207.100	128.4	-173.7	7.8	9.2	63.4	0.029	8.0	2.68
70.0	1.8	0.01 23.7						
207.200	128.6	-173.8	7.8	9.2	62.9	0.028	8.0	2.68
70.0	1.9	0.01 23.2						
207.300	128.9	-173.9	7.8	9.1	61.9	0.028	8.0	2.67
70.0	2.3	0.01 23.1						
207.400	129.6	-174.1	7.7	9.0	59.0	0.024	8.0	2.67
70.0	2.6	0.01 23.2						
207.500	129.8	-174.1	7.7	8.9	63.4	0.025	8.0	2.66
70.0	3.3	0.01 23.1						
207.600	130.5	-174.3	7.7	8.8	66.6	0.025	8.0	2.65
70.0	3.5	0.01 23.5						
207.700	131.1	-174.4	7.6	8.6	69.2	0.031	8.0	2.64
70.0	4.4	0.01 23.7						
207.800	131.7	-174.3	7.6	8.4	72.2	0.027	8.0	2.63
70.0	4.9	0.01 23.9						
207.900	131.7	-173.8	7.6	8.3	73.1	0.023	8.0	2.62
70.0	5.5	0.00 23.8						
208.000	131.7	-173.2	7.6	8.1	75.7	0.023	7.9	2.61
70.0	6.4	0.00 24.1						
208.100	131.4	-172.7	7.6	8.0	79.2	0.023	8.0	2.59
70.0	7.3	0.00 23.8						
208.200	131.4	-172.0	7.6	7.8	84.4	0.023	7.9	2.58
70.0	8.2	0.00 24.2						

208.300	131.6	-171.3	7.6	7.7	88.2	0.020	8.0	2.57
70.0	8.7	0.00	24.3					
208.400	132.2	-170.7	7.6	7.6	90.0	0.022	7.9	2.56
70.0	9.5	0.00	24.6					
208.500	132.2	-169.9	7.6	7.6	90.8	0.021	8.0	2.55
70.0	10.0	0.00	24.8					
208.600	132.0	-169.2	7.6	7.5	91.9	0.021	7.9	2.55
70.0	10.2	0.00	24.6					
208.700	131.7	-168.4	7.6	7.5	93.2	0.022	8.0	2.54
70.0	10.3	0.01	24.7					
208.800	132.2	-167.7	7.6	7.5	94.7	0.019	8.0	2.55
70.0	10.1	0.01	24.4					
208.900	132.8	-167.1	7.5	7.5	96.5	0.017	7.9	2.55
70.0	9.8	0.01	24.4					
209.000	133.2	-166.9	7.5	7.5	92.4	0.017	8.0	2.55
70.0	10.0	0.01	24.7					
209.100	133.8	-166.7	7.5	7.4	90.6	0.020	7.9	2.55
70.0	10.2	0.01	24.8					
209.200	133.5	-166.6	7.5	7.4	88.9	0.021	8.0	2.55
70.0	10.0	0.01	24.8					
209.300	135.1	-166.6	7.4	7.4	86.7	0.020	8.0	2.56
70.0	9.5	0.01	24.5					
209.400	135.0	-166.6	7.4	7.4	90.0	0.022	8.0	2.55
70.0	9.7	0.01	24.7					
209.500	136.4	-166.5	7.3	7.3	88.5	0.018	8.0	2.54
70.0	10.4	0.01	24.7					
209.600	137.0	-166.5	7.3	7.3	86.3	0.016	8.0	2.54
70.0	10.8	0.01	25.2					
209.700	138.6	-166.6	7.2	7.3	83.3	0.011	8.0	2.54
70.0	10.4	0.01	25.1					
209.800	139.8	-166.6	7.2	7.2	83.3	0.017	8.0	2.54
70.0	10.6	0.01	25.5					
209.900	141.2	-166.7	7.1	7.2	83.3	0.016	8.0	2.54
70.0	10.7	0.01	25.4					
210.000	143.5	-166.7	7.0	7.2	82.2	0.012	8.0	2.54
70.0	10.6	0.01	25.5					
210.100	146.0	-166.8	6.9	7.1	81.5	0.015	8.0	2.55
70.0	10.1	0.01	25.8					
210.200	147.4	-166.9	6.8	7.1	80.7	0.020	8.0	2.55
70.0	10.1	0.01	26.3					
210.300	148.8	-167.0	6.7	7.1	78.9	0.017	8.0	2.55
70.0	10.1	0.01	26.6					
210.400	149.3	-167.1	6.7	7.0	79.8	0.018	8.0	2.54
70.0	10.4	0.01	26.4					
210.500	151.4	-167.2	6.6	7.0	83.5	0.016	8.0	2.54
70.0	10.5	0.01	26.1					
210.600	152.9	-167.4	6.5	6.9	85.2	0.014	8.0	2.54
70.0	10.4	0.01	26.1					
210.700	154.5	-167.6	6.5	6.9	88.2	0.012	8.0	2.54
70.0	10.5	0.01	25.9					
210.800	156.1	-167.9	6.4	6.8	90.2	0.016	8.0	2.53
70.0	11.2	0.01	26.5					
210.900	157.0	-168.5	6.4	6.8	91.5	0.017	8.0	2.54
70.0	10.7	0.01	26.0					

211.000	157.9	-168.8	6.3	6.8	95.8	0.020	8.0	2.54
70.0 10.4	0.01	25.8						
211.100	158.3	-169.1	6.3	6.7	98.4	0.016	8.0	2.55
70.0 10.1	0.01	25.9						
211.200	160.1	-169.4	6.2	6.7	99.5	0.017	8.0	2.54
70.0 10.3	0.01	26.1						
211.300	161.5	-169.6	6.2	6.7	99.9	0.019	8.0	2.54
70.0 10.6	0.01	26.1						
211.400	162.7	-169.9	6.1	6.7	102.1	0.015	8.0	2.54
70.0 10.5	0.01	26.3						
211.500	162.6	-170.5	6.1	6.6	105.3	0.009	8.0	2.55
70.0 10.0	0.01	26.2						
211.600	163.7	-171.0	6.1	6.6	105.8	0.015	8.0	2.54
70.0 10.7	0.01	25.8						
211.700	164.5	-171.3	6.1	6.6	107.5	0.011	8.0	2.54
70.0 10.7	0.01	25.4						
211.800	165.7	-171.3	6.0	6.6	107.5	0.012	8.0	2.53
70.0 11.4	0.01	26.1						
211.900	166.0	-171.3	6.0	6.6	106.2	0.009	8.0	2.52
70.0 11.6	0.01	26.4						
212.000	166.0	-171.6	6.0	6.5	107.7	0.007	8.0	2.52
70.0 11.8	0.01	26.4						
212.100	165.6	-171.8	6.0	6.5	106.8	0.004	8.0	2.52
70.0 11.9	0.01	26.1						
212.200	165.3	-171.9	6.1	6.5	107.7	0.006	8.0	2.52
70.0 12.1	0.01	26.3						
212.300	165.3	-171.6	6.0	6.4	107.9	0.006	8.0	2.51
70.0 12.3	0.01	26.3						
212.400	165.9	-171.4	6.0	6.4	105.8	0.003	8.0	2.51
70.0 12.5	0.01	26.4						
212.500	166.4	-171.0	6.0	6.4	103.0	0.004	8.0	2.50
70.0 12.8	0.01	27.0						
212.600	166.6	-170.3	6.0	6.4	103.8	0.004	8.0	2.49
70.0 13.4	0.01	27.3						
212.700	167.0	-169.7	6.0	6.4	102.7	0.005	8.0	2.50
70.0 13.2	0.01	27.2						
212.800	167.9	-169.1	6.0	6.4	101.9	0.008	8.0	2.50
70.0 12.9	0.01	26.8						
212.900	168.1	-168.9	6.0	6.4	101.0	0.003	8.0	2.51
70.0 12.6	0.01	27.2						
213.000	168.5	-168.6	5.9	6.4	103.2	0.006	8.0	2.50
70.0 13.3	0.01	27.2						
213.100	168.5	-167.7	5.9	6.4	106.6	0.006	8.0	2.50
70.0 13.1	0.01	27.6						
213.200	168.9	-167.1	5.9	6.4	106.8	0.009	8.0	2.50
70.0 13.2	0.01	28.0						
213.300	169.2	-166.7	5.9	6.4	107.7	0.009	8.0	2.50
70.0 12.9	0.01	27.8						
213.400	168.2	-166.6	5.9	6.4	113.5	0.008	8.0	2.50
70.0 13.0	0.01	27.8						
213.500	168.0	-166.6	6.0	6.4	111.6	0.006	8.0	2.50
70.0 13.0	0.01	28.4						
213.600	167.1	-166.6	6.0	6.4	112.0	0.006	8.0	2.49
70.0 13.5	0.01	29.0						

213.700	167.2	-166.6	6.0	6.4	112.3	0.007	8.0	2.49
70.0	13.9	0.01 29.2						
213.800	165.9	-166.7	6.0	6.4	116.1	0.003	8.0	2.48
70.0	14.1	0.01 28.9						
213.900	164.7	-166.8	6.1	6.5	117.9	-0.001	8.0	2.47
70.0	15.1	0.01 29.4						
214.000	163.6	-166.9	6.1	6.5	123.5	-0.003	8.0	2.45
70.0	16.2	0.01 29.6						
214.100	163.3	-166.9	6.1	6.6	128.5	-0.009	8.0	2.44
70.0	17.1	0.01 29.8						
214.200	162.1	-167.0	6.2	6.6	133.2	-0.012	8.0	2.41
70.0	18.6	0.01 30.0						
214.300	160.4	-167.1	6.2	6.7	140.6	-0.011	8.0	2.39
70.0	19.9	0.01 30.7						
214.400	158.6	-167.1	6.3	6.8	146.9	-0.009	8.0	2.37
70.0	21.3	0.01 30.3						
214.500	158.7	-167.3	6.3	7.0	150.3	-0.003	8.1	2.34
70.0	23.1	0.01 30.8						
214.600	159.4	-167.5	6.3	7.1	154.4	-0.003	8.1	2.30
70.0	25.2	0.01 32.6						
214.700	159.2	-167.7	6.3	7.2	164.6	-0.004	8.1	2.28
70.0	27.0	0.01 32.3						
214.800	158.3	-168.0	6.3	7.4	169.4	-0.007	8.1	2.25
70.0	28.7	0.01 32.1						
214.900	157.6	-168.5	6.3	7.5	170.0	-0.012	8.1	2.23
70.0	29.8	0.00 32.3						
215.000	157.6	-169.2	6.3	7.7	171.3	-0.012	8.0	2.22
70.0	30.5	0.01 33.1						
215.100	157.3	-170.3	6.4	7.8	174.3	-0.011	8.1	2.22
70.1	30.7	0.01 33.3						
215.200	157.1	-171.6	6.4	7.9	175.8	-0.008	8.1	2.22
70.0	30.5	0.01 33.9						
215.300	156.1	-173.0	6.4	8.0	171.9	-0.002	8.1	2.22
70.0	30.5	0.01 33.9						
215.400	154.2	-174.2	6.5	8.0	171.5	0.004	8.1	2.23
70.1	30.1	0.01 34.0						
215.500	151.8	-175.0	6.6	8.1	171.5	0.010	8.2	2.24
70.0	29.0	0.01 33.5						
215.600	150.5	-175.4	6.6	8.1	166.5	0.011	8.2	2.27
70.1	27.4	0.01 33.2						
215.700	149.4	-175.7	6.7	8.1	162.6	0.017	8.2	2.28
70.0	26.6	0.01 33.0						
215.800	147.9	-175.8	6.8	8.1	155.5	0.010	8.2	2.30
70.0	25.4	0.01 32.4						
215.900	144.9	-175.8	6.9	8.1	149.2	0.007	8.2	2.31
70.1	24.7	0.01 32.2						
216.000	143.2	-175.7	7.0	8.2	143.6	0.010	8.2	2.34
70.0	22.9	0.01 31.6						
216.100	140.8	-175.3	7.1	8.2	137.8	0.015	8.2	2.37
70.0	21.0	0.01 30.4						
216.200	138.7	-174.4	7.2	8.3	130.4	0.019	8.2	2.41
70.1	18.4	0.01 30.4						
216.300	136.5	-173.3	7.3	8.5	126.5	0.026	8.2	2.45
70.0	16.3	0.01 30.1						

216.400	134.7	-172.2	7.4	8.7	122.2	0.031	8.1	2.47
70.0	14.9	0.01 29.3						
216.500	132.7	-171.2	7.5	8.9	120.9	0.033	8.1	2.49
70.1	13.9	0.01 28.1						
216.600	130.2	-170.7	7.7	9.2	118.5	0.030	8.1	2.50
70.1	13.3	0.01 27.7						
216.700	127.2	-170.6	7.9	9.5	117.2	0.029	8.1	2.50
70.1	12.9	0.01 26.8						
216.800	125.2	-170.6	8.0	9.7	117.2	0.027	8.0	2.51
70.1	12.4	0.01 26.6						
216.900	121.9	-170.7	8.2	10.0	115.5	0.026	8.0	2.52
70.1	11.7	0.01 26.5						
217.000	119.7	-170.9	8.4	10.3	109.9	0.017	8.0	2.53
70.1	11.4	0.01 25.8						
217.100	117.6	-171.1	8.5	10.6	108.6	0.019	8.0	2.52
70.1	11.6	0.01 25.8						
217.200	116.4	-171.4	8.6	10.8	107.7	0.022	8.0	2.53
70.1	11.1	0.01 25.7						
217.300	114.4	-171.8	8.7	11.0	107.5	0.022	8.0	2.54
70.1	10.8	0.01 25.5						
217.400	112.1	-172.3	8.9	11.2	107.1	0.020	8.0	2.54
70.1	10.3	0.01 25.5						
217.500	110.8	-173.0	9.0	11.4	106.8	0.020	8.0	2.55
70.1	10.0	0.01 25.4						
217.600	109.5	-173.7	9.1	11.6	104.7	0.017	8.0	2.56
70.1	9.6	0.01 24.5						
217.700	108.2	-174.1	9.2	11.7	101.7	0.013	8.0	2.55
70.1	10.0	0.01 24.8						
217.800	106.3	-174.4	9.4	11.9	103.2	0.012	7.9	2.55
70.1	10.1	0.01 24.7						
217.900	105.3	-174.7	9.5	12.0	101.4	0.012	8.0	2.55
70.1	9.8	0.01 25.0						
218.000	104.1	-174.9	9.6	12.2	101.2	0.012	8.0	2.56
70.1	9.6	0.01 24.8						
218.100	102.2	-174.9	9.8	12.5	99.7	0.009	8.0	2.55
70.1	9.6	0.01 24.7						
218.200	100.7	-175.0	9.9	12.8	98.4	0.007	8.0	2.55
70.1	9.9	0.01 24.2						
218.300	97.6	-175.0	10.3	13.0	98.8	0.006	8.0	2.55
70.1	9.6	0.01 23.9						
218.400	97.3	-174.8	10.3	13.3	98.8	0.007	8.0	2.55
70.1	9.6	0.00 23.2						
218.500	95.2	-174.6	10.5	13.6	96.9	0.008	8.0	2.56
70.1	9.6	0.00 23.7						
218.600	95.0	-174.2	10.5	13.9	95.2	0.010	8.0	2.56
70.1	9.6	0.00 23.1						
218.700	92.5	-173.7	10.8	14.1	94.3	0.010	8.0	2.55
70.1	9.6	0.00 22.8						
218.800	91.1	-173.6	11.0	14.4	92.1	0.010	8.0	2.55
70.1	9.7	0.00 22.0						
218.900	89.7	-173.5	11.1	14.8	90.0	0.008	8.0	2.56
70.1	9.5	0.00 21.8						
219.000	88.1	-173.5	11.4	15.1	87.6	0.010	8.0	2.55
70.1	10.1	0.00 22.0						

219.100	86.4	-173.4	11.6	15.5	85.4	0.010	8.0	2.54
70.1 10.5	0.00	21.9						
219.200	84.5	-173.5	11.8	15.8	84.6	0.008	8.0	2.53
70.1 11.1	0.00	21.2						
219.300	82.8	-173.7	12.1	16.0	79.2	0.005	8.0	2.53
70.1 11.4	0.00	20.9						
219.400	81.5	-174.0	12.3	16.6	75.7	0.005	8.0	2.52
70.1 11.7	0.00	20.9						
219.500	81.0	-174.4	12.3	16.9	73.5	0.006	8.0	2.52
70.1 12.0	0.00	20.7						
219.600	79.9	-174.9	12.5	17.0	71.4	0.007	7.9	2.52
70.1 11.5	0.01	20.3						
219.700	78.3	-175.6	12.8	17.2	69.6	0.010	7.9	2.52
70.1 11.6	0.01	20.1						
219.800	76.3	-176.4	13.1	17.5	67.9	0.007	7.9	2.52
70.1 11.8	0.01	19.9						
219.900	75.6	-177.3	13.2	17.8	64.5	0.006	7.9	2.51
70.1 12.6	0.01	19.8						
220.000	75.2	-178.4	13.3	18.2	65.1	0.002	7.9	2.50
70.1 13.0	0.01	19.1						
220.100	74.7	-179.4	13.4	18.3	62.1	0.001	7.9	2.51
70.1 12.5	0.01	19.0						
220.200	73.6	-180.5	13.6	18.6	60.3	0.004	7.9	2.51
70.1 12.7	0.01	18.5						
220.300	72.0	-181.6	13.9	18.8	63.4	0.001	7.9	2.51
70.1 12.5	0.01	18.8						
220.400	71.1	-182.5	14.1	19.0	62.5	0.001	7.9	2.51
70.1 12.6	0.01	18.2						
220.500	70.8	-183.5	14.1	19.2	61.9	0.005	7.9	2.51
70.1 12.6	0.01	17.5						
220.600	71.1	-184.3	14.1	19.2	62.3	0.007	7.9	2.50
70.1 13.0	0.01	17.1						
220.700	70.9	-185.0	14.1	19.3	61.6	0.005	7.9	2.51
70.1 12.5	0.01	17.1						
220.800	70.6	-185.6	14.2	19.4	64.7	0.007	7.9	2.51
70.1 12.7	0.01	17.0						
220.900	70.3	-186.1	14.2	19.4	67.0	0.006	7.9	2.50
70.1 12.9	0.01	16.9						
221.000	69.6	-186.3	14.4	19.6	68.1	0.001	7.9	2.50
70.1 12.9	0.01	17.0						
221.100	69.2	-186.6	14.5	19.6	68.1	0.002	7.9	2.49
70.1 13.5	0.01	16.9						
221.200	68.9	-186.7	14.5	19.5	68.3	0.003	7.9	2.49
70.1 13.7	0.01	17.0						
221.300	68.5	-186.8	14.6	19.5	66.2	0.006	7.9	2.48
70.1 14.1	0.01	17.2						
221.400	68.2	-186.8	14.7	19.4	68.6	0.006	7.9	2.49
70.1 13.7	0.01	17.2						
221.500	67.5	-186.8	14.8	19.1	69.0	0.003	8.0	2.49
70.1 13.5	0.01	17.8						
221.600	67.5	-186.7	14.8	19.1	72.9	0.003	8.0	2.49
70.1 14.0	0.01	18.2						
221.700	67.1	-186.5	14.9	18.9	74.8	0.001	7.9	2.49
70.1 13.6	0.01	18.7						

221.800	67.2	-186.3	14.9	18.7	72.2	0.002	8.0	2.49
70.1	13.7	0.01	18.7					
221.900	67.7	-186.0	14.8	18.6	73.3	0.000	8.0	2.49
70.1	13.6	0.01	19.2					
222.000	67.9	-185.8	14.7	18.5	74.8	0.001	8.0	2.49
70.1	13.5	0.01	19.3					
222.100	68.5	-185.4	14.6	18.4	76.6	-0.002	8.0	2.50
70.1	12.8	0.01	19.5					
222.200	67.4	-185.0	14.8	18.3	79.8	-0.002	8.0	2.50
70.1	12.9	0.01	20.0					
222.300	67.3	-184.4	14.9	18.2	81.1	-0.002	8.0	2.51
70.1	12.6	0.01	20.1					
222.400	67.5	-183.8	14.8	18.1	83.3	-0.003	8.0	2.52
70.1	12.1	0.01	20.6					
222.500	68.6	-183.0	14.6	17.9	83.7	-0.000	8.0	2.52
70.1	11.8	0.01	20.4					
222.600	69.4	-182.3	14.4	17.9	83.5	-0.001	8.0	2.53
70.1	11.4	0.01	21.0					
222.700	70.4	-181.5	14.2	17.8	85.9	0.003	8.0	2.54
70.1	10.6	0.01	21.4					
222.800	71.6	-180.7	14.0	17.8	84.6	0.009	8.0	2.55
70.1	10.2	0.01	21.3					
222.900	72.3	-180.0	13.8	17.6	85.4	0.009	8.0	2.55
70.1	9.7	0.01	21.7					
223.000	72.3	-179.3	13.8	17.2	89.3	0.012	8.0	2.56
70.1	9.6	-0.00	21.7					
223.100	72.5	-178.6	13.8	17.0	88.5	0.008	8.0	2.56
70.1	9.4	-0.00	21.6					
223.200	73.2	-177.9	13.7	16.9	88.7	0.011	8.0	2.56
70.1	9.5	-0.00	21.8					
223.300	74.3	-177.4	13.5	16.6	89.1	0.013	8.0	2.56
70.1	9.2	-0.00	21.9					
223.400	75.0	-177.0	13.3	16.3	91.3	0.015	8.0	2.56
70.1	9.3	-0.00	22.3					
223.500	75.8	-176.6	13.2	16.0	92.6	0.015	8.1	2.57
70.1	8.9	-0.00	22.6					
223.600	75.5	-176.1	13.2	15.8	94.1	0.018	8.1	2.57
70.1	8.9	-0.00	23.0					
223.700	76.2	-175.7	13.1	15.7	93.2	0.017	8.0	2.57
70.1	8.7	-0.00	23.1					
223.800	76.4	-175.4	13.1	15.5	93.2	0.015	8.0	2.57
70.1	8.9	-0.00	23.6					
223.900	77.7	-175.2	12.9	15.2	94.1	0.014	8.0	2.56
70.1	9.5	0.01	23.1					
224.000	77.7	-175.0	12.9	15.1	93.7	0.012	8.0	2.56
70.1	9.6	0.01	23.5					
224.100	78.6	-174.8	12.7	14.9	94.7	0.006	8.0	2.55
70.1	10.1	0.01	23.2					
224.200	78.6	-174.4	12.7	14.8	95.6	0.006	8.0	2.54
70.1	10.8	0.01	23.0					
224.300	79.3	-174.2	12.6	14.7	98.4	0.002	8.1	2.54
70.1	10.6	0.01	23.0					
224.400	79.6	-173.7	12.6	14.5	97.3	0.006	8.0	2.53
70.1	11.0	0.01	22.8					

224.500	80.1	-173.3	12.5	14.4	93.4	0.005	8.0	2.54
70.1 10.9	0.02	22.5						
224.600	81.0	-173.0	12.3	14.3	95.2	0.006	8.0	2.53
70.1 11.1	0.02	22.8						
224.700	81.7	-172.8	12.2	14.3	93.9	0.004	8.0	2.53
70.0 11.3	0.02	22.7						
224.800	82.7	-172.6	12.1	14.3	95.4	0.005	8.0	2.53
70.1 11.4	0.02	22.9						
224.900	83.4	-172.4	12.0	14.3	92.1	0.004	8.0	2.53
70.1 11.1	0.02	23.1						
225.000	83.6	-172.0	12.0	14.2	91.3	0.008	8.0	2.52
70.1 11.7	0.02	23.2						
225.100	84.1	-171.8	11.9	14.2	93.0	0.006	8.0	2.52
70.1 11.7	0.02	23.3						
225.200	84.0	-171.6	11.9	14.1	91.3	0.010	8.0	2.52
70.1 11.8	0.02	22.9						
225.300	84.6	-171.5	11.8	14.0	91.1	0.013	8.0	2.52
70.1 11.5	0.02	22.9						
225.400	84.7	-171.3	11.8	14.0	92.1	0.015	8.0	2.53
70.1 11.0	0.01	23.3						
225.500	85.5	-171.2	11.7	13.9	93.2	0.018	8.0	2.54
70.1 10.8	0.01	23.5						
225.600	86.0	-171.1	11.6	13.8	94.9	0.023	8.0	2.54
70.1 10.5	0.01	23.6						
225.700	86.6	-171.0	11.6	13.7	97.5	0.021	8.0	2.55
70.1 10.2	0.01	23.9						
225.800	86.8	-171.0	11.5	13.7	99.7	0.022	8.0	2.54
70.1 10.6	0.01	24.0						
225.900	87.5	-170.9	11.4	13.7	106.6	0.018	7.9	2.53
70.1 10.9	0.01	24.3						
226.000	87.4	-170.8	11.4	13.7	110.1	0.016	8.0	2.53
70.1 11.3	0.01	24.7						
226.100	87.9	-170.7	11.4	13.7	109.7	0.017	7.9	2.53
70.1 11.3	0.01	24.8						
226.200	88.3	-170.6	11.3	13.7	111.0	0.015	8.0	2.53
70.1 11.4	0.01	24.5						
226.300	88.8	-170.6	11.3	13.7	112.3	0.011	7.9	2.53
70.1 11.4	0.01	24.6						
226.400	88.2	-170.5	11.3	13.7	114.0	0.014	8.0	2.53
70.1 11.5	0.01	24.5						
226.500	88.0	-170.5	11.4	13.6	114.6	0.011	8.0	2.52
70.1 11.6	0.01	24.6						
226.600	88.4	-170.5	11.3	13.6	112.7	0.006	8.0	2.52
70.1 11.7	0.01	24.7						
226.700	88.8	-170.5	11.3	13.6	113.5	0.006	8.0	2.52
70.1 11.7	0.01	24.9						
226.800	89.2	-170.6	11.2	13.5	113.8	0.005	8.0	2.52
70.1 11.8	0.01	24.7						
226.900	88.9	-170.6	11.3	13.5	115.9	0.002	8.0	2.51
70.1 12.2	0.01	24.4						
227.000	89.2	-170.7	11.2	13.5	117.4	0.002	8.0	2.51
70.1 12.5	0.01	24.2						
227.100	89.0	-170.7	11.2	13.5	119.6	0.002	8.0	2.50
70.1 12.8	0.01	24.3						

227.200	88.9	-170.8	11.2	13.4	117.2	0.004	8.0	2.50
70.2 12.8	0.01	24.2						
227.300	89.4	-170.8	11.2	13.4	119.2	0.006	8.0	2.50
70.1 13.1	0.01	24.6						
227.400	88.9	-170.9	11.3	13.4	117.4	0.004	8.0	2.50
70.2 12.8	0.01	24.6						
227.500	89.1	-170.9	11.2	13.3	116.1	0.004	8.0	2.50
70.1 12.8	0.01	24.3						
227.600	88.4	-171.0	11.3	13.3	114.8	0.005	8.0	2.51
70.2 12.6	0.01	23.8						
227.700	89.0	-171.1	11.2	13.1	116.1	0.002	8.0	2.51
70.2 12.4	0.01	25.0						
227.800	88.7	-171.1	11.3	13.1	114.6	0.002	8.0	2.51
70.2 12.7	0.01	25.1						
227.900	89.4	-171.2	11.2	13.1	115.5	0.005	8.0	2.51
70.1 12.4	0.01	25.2						
228.000	89.4	-171.3	11.2	13.0	116.6	0.005	8.0	2.52
70.2 11.7	0.01	25.2						
228.100	90.6	-171.5	11.0	13.0	117.4	0.005	8.0	2.52
70.2 11.9	0.01	25.0						
228.200	90.6	-171.6	11.0	13.0	121.1	0.004	8.0	2.51
70.2 12.2	0.00	25.3						
228.300	91.5	-171.8	10.9	12.9	129.3	0.002	8.0	2.52
70.2 12.1	0.01	25.5						
228.400	91.2	-172.1	11.0	12.9	128.9	0.004	8.0	2.51
70.2 12.3	0.01	25.5						
228.500	90.8	-172.3	11.0	12.9	127.6	0.002	8.0	2.52
70.2 11.9	0.01	25.3						
228.600	90.2	-172.1	11.1	12.8	128.0	0.006	8.0	2.53
70.2 11.4	0.01	25.6						
228.700	90.8	-171.9	11.0	12.8	129.1	0.013	8.0	2.52
70.2 11.5	0.01	25.7						
228.800	91.6	-171.7	10.9	12.8	123.1	0.013	8.0	2.53
70.2 11.1	0.01	25.5						
228.900	91.6	-171.4	10.9	12.8	119.4	0.011	8.0	2.53
70.2 11.0	0.01	25.5						
229.000	90.7	-171.1	11.0	12.8	118.1	0.010	8.0	2.53
70.2 10.9	0.01	25.4						
229.100	90.3	-170.7	11.1	12.8	119.6	0.011	8.0	2.54
70.2 10.4	0.01	25.6						
229.200	90.7	-170.3	11.0	12.8	119.2	0.013	8.0	2.54
70.2 10.8	0.01	24.6						
229.300	91.7	-169.9	10.9	12.7	123.1	0.009	8.0	2.54
70.2 10.8	0.01	24.6						
229.400	91.8	-169.4	10.9	12.6	123.1	0.008	8.0	2.53
70.2 11.2	0.01	24.6						
229.500	92.1	-168.9	10.9	12.5	120.9	0.008	8.0	2.52
70.2 11.6	0.01	24.8						
229.600	91.7	-168.5	10.9	12.5	124.1	0.007	8.0	2.53
70.2 11.2	0.01	24.9						
229.700	93.0	-168.4	10.8	12.5	120.9	0.005	8.0	2.54
70.2 10.8	0.01	26.2						
229.800	93.1	-168.3	10.7	12.4	113.3	0.007	8.0	2.53
70.2 11.0	0.01	26.0						

229.900	94.5	-168.2	10.6	12.3	109.9	0.001	8.0	2.54
70.2 10.7	0.01	25.9						
230.000	94.7	-168.1	10.6	12.4	110.3	-0.003	8.0	2.54
70.2 10.5	0.01	26.3						
230.100	95.4	-168.1	10.5	12.4	109.9	0.003	8.0	2.54
70.2 10.8	0.01	26.1						
230.200	95.0	-168.2	10.5	12.3	108.6	0.005	8.0	2.54
70.2 10.6	0.01	26.5						
230.300	95.4	-168.3	10.5	12.2	112.5	0.004	8.0	2.54
70.2 10.8	0.01	27.3						
230.400	95.3	-168.3	10.5	12.0	112.7	0.000	8.0	2.53
70.2 11.2	0.01	27.4						
230.500	95.6	-168.3	10.5	12.0	117.0	-0.002	8.0	2.53
70.2 11.2	0.01	27.6						
230.600	95.1	-168.3	10.5	12.0	116.6	-0.001	8.0	2.52
70.2 11.7	0.01	28.0						
230.700	94.8	-168.2	10.6	11.9	117.9	-0.000	8.0	2.53
70.2 11.4	0.01	28.1						
230.800	94.9	-168.1	10.5	11.9	116.4	0.000	8.0	2.53
70.2 11.0	0.01	27.9						
230.900	94.8	-168.0	10.6	11.9	116.8	0.004	8.0	2.53
70.2 11.2	0.01	28.1						
231.000	95.8	-168.0	10.4	11.9	120.3	0.002	8.0	2.53
70.2 11.1	0.01	27.9						
231.100	96.9	-168.0	10.3	11.9	117.4	0.001	8.0	2.53
70.2 11.1	0.01	27.7						
231.200	97.4	-167.9	10.3	11.8	118.3	0.004	8.0	2.53
70.2 11.4	0.01	26.6						
231.300	97.8	-167.8	10.2	11.7	117.9	0.002	8.0	2.52
70.2 11.6	0.01	27.0						
231.400	97.4	-167.7	10.3	11.7	117.0	-0.004	8.0	2.53
70.2 11.2	0.01	26.8						
231.500	97.7	-167.6	10.2	11.7	119.6	-0.001	8.0	2.53
70.2 11.0	0.01	26.5						
231.600	98.4	-167.7	10.2	11.6	120.0	0.004	8.0	2.53
70.2 11.1	0.01	27.0						
231.700	99.0	-167.7	10.1	11.6	123.9	0.007	8.0	2.53
70.2 11.4	0.01	26.7						
231.800	99.4	-167.7	10.1	11.7	125.4	0.007	8.0	2.53
70.2 11.4	0.01	26.4						
231.900	99.1	-167.7	10.1	11.7	131.5	0.007	8.0	2.54
70.2 10.8	0.01	27.2						
232.000	99.0	-167.7	10.1	11.6	131.3	0.007	8.0	2.54
70.2 10.4	0.01	27.6						
232.100	100.3	-167.8	10.0	11.6	134.1	0.011	8.0	2.54
70.2 10.5	0.01	27.3						
232.200	99.9	-167.8	10.0	11.6	136.3	0.008	8.0	2.54
70.2 10.6	0.01	27.2						
232.300	99.5	-167.9	10.0	11.6	134.5	0.011	8.0	2.53
70.2 11.0	0.01	27.2						
232.400	98.6	-168.0	10.1	11.6	133.7	0.011	8.0	2.54
70.2 10.6	0.01	27.6						
232.500	98.9	-168.1	10.1	11.6	133.7	0.011	8.0	2.54
70.2 10.5	0.01	27.5						

232.600	99.1	-168.1	10.1	11.6	134.1	0.013	8.0	2.54
70.2	10.6	0.01	27.7					
232.700	99.2	-168.1	10.1	11.7	137.6	0.015	8.0	2.54
70.2	10.9	0.01	27.6					
232.800	99.6	-168.1	10.0	11.7	138.6	0.007	8.0	2.54
70.2	10.7	0.01	28.2					
232.900	99.7	-168.2	10.0	11.7	141.7	0.004	8.0	2.54
70.2	10.8	0.01	28.4					
233.000	99.8	-168.2	10.0	11.7	141.9	0.005	8.0	2.53
70.2	11.2	0.01	28.5					
233.100	100.0	-168.2	10.0	11.6	139.3	0.008	8.0	2.53
70.2	10.9	0.01	28.1					
233.200	100.3	-168.1	10.0	11.6	133.7	0.014	8.0	2.54
70.2	10.4	0.01	27.9					
233.300	100.2	-168.1	10.0	11.7	134.3	0.014	8.0	2.54
70.2	10.3	0.01	27.7					
233.400	100.3	-168.0	10.0	11.7	132.2	0.011	8.0	2.55
70.2	10.1	0.01	26.8					
233.500	100.5	-168.0	9.9	11.7	129.3	0.017	8.0	2.54
70.2	10.3	0.01	27.1					
233.600	100.7	-167.9	9.9	11.8	127.6	0.018	8.0	2.54
70.2	10.3	0.01	27.1					
233.700	100.8	-167.9	9.9	11.8	124.8	0.019	8.0	2.55
70.2	10.2	0.01	27.1					
233.800	100.8	-167.9	9.9	11.9	122.8	0.019	8.0	2.54
70.2	10.5	0.01	27.7					
233.900	100.2	-167.9	10.0	11.9	125.4	0.015	8.0	2.54
70.2	10.7	0.01	27.5					
234.000	99.1	-167.9	10.1	11.9	125.7	0.017	8.0	2.53
70.2	11.0	0.01	27.5					
234.100	98.2	-168.0	10.2	12.0	122.2	0.020	8.0	2.53
70.2	11.2	0.01	27.2					
234.200	98.1	-168.0	10.2	12.0	121.3	0.019	8.0	2.54
70.2	10.8	0.01	27.5					
234.300	97.4	-168.1	10.3	12.1	121.3	0.018	8.0	2.55
70.2	10.1	0.01	26.4					
234.400	97.2	-168.1	10.3	12.1	123.9	0.020	8.0	2.54
70.2	10.5	0.01	26.8					
234.500	96.8	-168.1	10.3	12.2	122.4	0.015	8.0	2.54
70.2	10.6	0.01	26.9					
234.600	96.8	-168.2	10.3	12.3	124.1	0.013	8.0	2.53
70.2	11.1	0.01	26.4					
234.700	95.8	-168.3	10.4	12.3	123.3	0.011	8.0	2.53
70.2	11.1	0.01	26.2					
234.800	95.1	-168.5	10.5	12.4	121.1	0.009	8.0	2.53
70.2	11.5	0.01	26.1					
234.900	94.7	-168.7	10.6	12.5	117.7	0.006	8.0	2.52
70.2	11.9	0.01	26.0					
235.000	95.0	-168.8	10.5	12.6	118.1	0.005	8.0	2.52
70.2	11.9	0.01	25.4					
235.100	95.3	-168.9	10.5	12.6	117.7	0.007	8.0	2.52
70.2	12.0	0.01	25.6					
235.200	95.8	-169.1	10.4	12.6	119.6	0.010	8.0	2.51
70.2	12.1	0.01	25.7					

235.300	95.3	-169.2	10.5	12.6	122.6	0.007	8.0	2.52
70.2	11.7	0.01	25.2					
235.400	94.9	-169.4	10.5	12.6	117.4	0.009	8.0	2.51
70.2	12.4	0.01	24.9					
235.500	94.5	-169.5	10.6	12.6	115.1	0.008	8.0	2.52
70.2	12.1	0.01	24.9					
235.600	94.1	-169.6	10.6	12.6	119.0	0.008	8.0	2.52
70.2	11.8	0.01	24.8					
235.700	94.2	-169.6	10.6	12.5	118.3	0.002	8.0	2.52
70.2	12.0	0.01	24.6					
235.800	93.3	-169.7	10.7	12.6	117.4	0.001	7.9	2.50
70.2	13.0	0.01	24.6					
235.900	92.8	-169.8	10.8	12.6	115.9	-0.002	8.0	2.50
70.2	12.9	0.01	24.3					
236.000	92.0	-169.8	10.9	12.6	116.4	0.001	7.9	2.51
70.2	12.1	0.01	24.2					
236.100	92.6	-169.9	10.8	12.6	115.5	0.005	8.0	2.51
70.2	12.2	0.01	24.9					
236.200	92.3	-169.9	10.8	12.6	117.4	0.005	8.0	2.51
70.2	12.3	0.01	25.2					
236.300	92.3	-170.0	10.8	12.7	116.6	0.005	7.9	2.52
70.2	12.1	0.01	25.3					
236.400	92.6	-170.1	10.8	12.7	115.9	0.002	8.0	2.51
70.2	12.3	0.01	25.3					
236.500	93.1	-170.3	10.7	12.7	119.8	-0.001	8.0	2.52
70.2	11.6	0.01	25.6					
236.600	92.3	-170.4	10.8	12.6	120.7	0.008	8.0	2.53
70.2	11.3	0.01	25.6					
236.700	91.4	-170.4	10.9	12.6	119.4	0.006	8.0	2.54
70.2	10.6	0.01	25.5					
236.800	91.5	-170.5	10.9	12.5	118.5	0.009	8.0	2.55
70.2	10.0	0.01	25.5					
236.900	92.5	-170.5	10.8	12.5	119.8	0.012	8.0	2.56
70.2	9.3	0.01	25.6					
237.000	93.1	-170.5	10.7	12.5	118.1	0.014	8.0	2.57
70.2	8.9	0.01	25.5					
237.100	93.3	-170.5	10.7	12.4	113.8	0.022	8.0	2.57
70.2	8.9	0.01	25.9					
237.200	94.5	-170.5	10.6	12.3	116.6	0.024	8.0	2.57
70.2	8.7	0.01	25.2					
237.300	94.8	-170.5	10.6	12.2	118.3	0.023	8.0	2.58
70.2	8.0	0.01	25.5					
237.400	95.7	-170.5	10.5	12.2	113.8	0.017	8.0	2.58
70.3	8.1	0.01	25.6					
237.500	94.9	-170.5	10.5	12.1	115.9	0.019	8.0	2.57
70.2	9.0	0.01	26.4					
237.600	95.3	-170.5	10.5	11.9	120.7	0.020	8.0	2.57
70.3	8.9	0.01	26.6					
237.700	95.6	-170.5	10.5	11.8	122.2	0.022	8.0	2.56
70.2	9.3	0.01	26.6					
237.800	96.1	-170.5	10.4	11.7	127.0	0.020	8.0	2.56
70.3	9.3	0.01	26.6					
237.900	97.2	-170.4	10.3	11.6	131.9	0.012	8.0	2.56
70.3	9.3	0.01	26.6					

238.000	97.2	-170.4	10.3	11.5	131.5	0.011	8.0	2.55
70.2	10.2	0.01 26.8						
238.100	97.6	-170.0	10.2	11.3	132.8	0.012	8.0	2.55
70.2	10.2	0.01 27.9						
238.200	97.8	-169.8	10.2	11.2	132.8	0.008	8.0	2.54
70.3	10.8	0.01 28.1						
238.300	98.2	-169.7	10.2	11.2	132.8	0.007	8.0	2.53
70.3	11.4	0.01 28.7						
238.400	98.3	-169.6	10.2	11.0	136.5	0.001	8.0	2.52
70.2	11.8	0.01 29.2						
238.500	98.3	-169.5	10.2	11.0	140.8	-0.001	8.0	2.51
70.3	12.6	0.01 29.8						
238.600	98.6	-169.3	10.1	10.9	144.7	-0.002	8.0	2.51
70.3	12.3	0.01 30.2						
238.700	99.7	-169.1	10.0	10.9	139.5	-0.002	8.0	2.51
70.3	12.3	0.01 31.5						
238.800	100.1	-168.9	10.0	10.9	139.1	0.000	8.0	2.51
70.3	12.7	0.01 31.4						
238.900	99.9	-168.7	10.0	10.8	143.8	-0.001	8.0	2.51
70.3	12.7	0.01 31.0						
239.000	100.0	-168.7	10.0	10.7	142.1	-0.002	8.0	2.51
70.3	12.4	0.01 30.9						
239.100	101.2	-168.6	9.9	10.7	138.0	0.002	8.0	2.51
70.3	12.3	0.01 30.4						
239.200	103.1	-168.9	9.7	10.6	136.3	0.002	8.0	2.52
70.3	11.7	0.01 30.6						
239.300	104.0	-168.9	9.6	10.5	131.9	0.007	8.0	2.52
70.3	11.5	0.01 31.1						
239.400	105.0	-168.9	9.5	10.5	130.2	0.005	8.0	2.53
70.3	11.4	0.01 31.2						
239.500	105.8	-168.9	9.5	10.4	129.8	0.004	8.0	2.53
70.3	10.9	0.01 30.7						
239.600	106.9	-168.8	9.4	10.3	127.6	0.007	8.0	2.53
70.3	11.1	0.01 30.3						
239.700	107.4	-168.9	9.3	10.3	130.2	0.008	8.0	2.53
70.3	11.3	0.01 30.4						
239.800	108.9	-168.9	9.2	10.2	130.2	0.009	8.0	2.52
70.3	11.7	0.01 30.3						
239.900	109.8	-168.9	9.1	10.2	128.7	0.008	8.0	2.52
70.3	11.7	0.01 29.5						
240.000	111.0	-169.0	9.0	10.2	126.5	0.006	8.0	2.53
70.3	11.4	0.01 29.3						
240.100	111.0	-169.0	9.0	10.1	124.6	0.006	8.1	2.52
70.3	12.1	0.01 28.9						
240.200	111.1	-169.0	9.0	10.1	123.3	0.006	8.1	2.51
70.3	12.4	0.01 28.4						
240.300	110.3	-169.1	9.1	10.0	120.5	0.007	8.1	2.51
70.3	12.5	0.01 28.8						
240.400	110.4	-169.1	9.1	10.0	117.0	0.006	8.1	2.51
70.3	12.4	0.01 29.6						
240.500	110.9	-169.2	9.0	9.9	111.8	0.011	8.0	2.50
70.3	12.9	0.01 29.1						
240.600	112.5	-169.3	8.9	9.9	113.1	0.007	8.0	2.50
70.3	13.0	0.01 29.2						

240.700	112.9	-169.4	8.9	9.8	112.7	0.008	8.1	2.50
70.3	13.2	0.01	29.2					
240.800	113.4	-169.4	8.8	9.8	114.2	0.009	8.0	2.49
70.3	13.7	0.01	28.5					
240.900	112.7	-169.5	8.9	9.8	114.2	0.004	8.0	2.49
70.3	13.6	0.01	28.8					
241.000	113.1	-169.6	8.8	9.8	112.0	0.001	8.0	2.48
70.3	14.2	0.01	28.9					
241.100	112.8	-169.6	8.9	9.8	114.2	0.002	8.0	2.48
70.3	14.3	0.01	28.2					
241.200	113.0	-169.7	8.9	9.8	112.5	0.002	8.0	2.49
70.3	13.9	0.01	28.4					
241.300	112.8	-169.8	8.9	9.7	113.5	0.005	8.0	2.49
70.3	13.5	0.01	28.9					
241.400	112.8	-169.9	8.9	9.7	116.1	0.004	8.0	2.49
70.3	13.7	0.01	28.9					
241.500	113.0	-170.0	8.8	9.6	116.6	0.004	8.0	2.49
70.3	13.7	0.01	29.3					
241.600	112.2	-170.0	8.9	9.6	118.1	0.006	8.0	2.49
70.3	13.4	0.01	29.4					
241.700	112.2	-170.0	8.9	9.6	121.6	0.006	8.0	2.49
70.3	13.8	0.01	29.5					
241.800	111.2	-170.0	9.0	9.6	122.2	0.002	8.0	2.48
70.3	14.4	0.01	29.1					
241.900	110.9	-170.1	9.0	9.7	122.6	-0.000	8.0	2.46
70.3	15.6	0.01	28.8					
242.000	109.9	-170.1	9.1	9.7	125.4	-0.002	8.0	2.44
70.3	17.0	0.01	29.5					
242.100	109.3	-170.0	9.1	9.7	122.2	-0.003	8.0	2.41
70.3	18.9	0.01	29.6					
242.200	108.6	-169.8	9.2	9.8	121.1	-0.004	8.0	2.37
70.3	21.2	0.01	29.7					
242.300	108.4	-169.7	9.2	9.9	117.4	-0.001	8.0	2.34
70.3	23.2	0.01	29.5					
242.400	109.1	-169.7	9.2	10.0	111.8	0.005	8.1	2.29
70.3	25.9	0.01	29.5					
242.500	110.9	-169.6	9.0	10.2	108.4	0.009	8.1	2.25
70.3	28.8	0.01	29.8					
242.600	112.4	-169.5	8.9	10.3	104.9	0.006	8.1	2.20
70.3	31.6	0.01	30.0					
242.700	113.6	-169.6	8.8	10.5	101.4	0.003	8.1	2.15
70.3	34.5	0.01	29.8					
242.800	113.4	-169.8	8.8	10.6	98.2	0.002	8.1	2.11
70.3	37.1	0.01	29.3					
242.900	113.7	-170.1	8.8	10.7	93.4	-0.004	8.1	2.09
70.3	38.8	0.01	29.9					
243.000	115.1	-170.8	8.7	10.7	92.8	-0.009	8.1	2.06
70.3	40.6	0.01	30.4					
243.100	116.2	-171.9	8.6	10.7	91.5	-0.013	8.1	2.04
70.3	41.6	0.01	31.5					
243.200	117.0	-173.2	8.5	10.6	89.1	-0.014	8.0	2.04
70.3	41.3	0.01	31.2					
243.300	117.9	-174.6	8.5	10.6	89.5	-0.013	8.0	2.05
70.3	40.9	0.01	31.8					

243.400	118.9	-175.9	8.4	10.4	90.0	-0.013	8.0	2.07
70.3	39.8	0.01	31.9					
243.500	120.0	-176.9	8.3	10.3	91.1	-0.009	8.0	2.09
70.3	38.5	0.01	31.3					
243.600	120.4	-177.8	8.3	10.1	98.0	-0.010	8.0	2.12
70.3	36.9	0.01	31.4					
243.700	120.9	-178.4	8.3	9.8	102.1	-0.016	8.0	2.15
70.3	35.1	0.01	31.0					
243.800	120.6	-178.7	8.3	9.5	105.5	-0.019	8.0	2.19
70.3	32.5	0.01	31.2					
243.900	120.8	-178.8	8.3	9.3	107.9	-0.014	8.0	2.23
70.3	29.9	0.01	30.8					
244.000	120.5	-179.1	8.3	9.1	113.5	-0.012	8.0	2.28
70.3	26.6	0.01	30.9					
244.100	120.9	-178.7	8.3	8.9	116.1	-0.004	8.0	2.32
70.3	24.3	0.01	30.8					
244.200	120.0	-177.8	8.3	8.8	117.9	-0.003	8.0	2.36
70.3	22.0	0.01	30.8					
244.300	120.4	-176.8	8.3	8.7	122.2	0.001	8.0	2.39
70.3	19.6	0.01	30.4					
244.400	120.5	-175.8	8.3	8.7	126.7	0.006	8.0	2.43
70.3	17.5	0.01	30.3					
244.500	119.8	-174.8	8.3	8.8	130.9	0.013	8.0	2.46
70.3	15.7	0.01	29.3					
244.600	118.3	-174.0	8.5	8.8	132.6	0.015	8.0	2.47
70.3	14.6	0.01	28.4					
244.700	116.7	-173.4	8.6	9.0	136.3	0.019	8.0	2.48
70.3	14.3	0.01	28.4					
244.800	115.9	-173.1	8.6	9.0	138.9	0.020	8.0	2.49
70.3	13.8	0.01	28.4					
244.900	115.1	-172.9	8.7	9.1	139.3	0.022	8.0	2.49
70.3	13.7	0.01	28.2					
245.000	114.3	-172.6	8.7	9.2	136.3	0.024	8.0	2.49
70.3	13.5	0.01	28.1					
245.100	112.9	-172.2	8.9	9.3	131.3	0.027	8.0	2.49
70.3	13.4	0.01	27.6					
245.200	111.6	-172.1	9.0	9.4	127.8	0.022	8.0	2.50
70.3	13.0	0.01	27.4					
245.300	110.2	-172.0	9.1	9.5	126.1	0.019	8.0	2.50
70.3	13.2	0.01	27.2					
245.400	109.4	-171.9	9.1	9.5	126.1	0.014	8.0	2.49
70.3	13.4	0.01	27.5					
245.500	109.0	-171.8	9.2	9.6	125.2	0.015	8.0	2.49
70.3	13.5	0.01	27.0					
245.600	108.5	-171.6	9.2	9.8	121.6	0.015	8.0	2.51
70.3	12.7	0.01	26.8					
245.700	108.5	-171.5	9.2	9.9	120.7	0.015	7.9	2.52
70.3	12.0	0.01	26.2					
245.800	108.5	-171.3	9.2	10.0	117.2	0.009	7.9	2.52
70.3	11.7	0.01	26.0					
245.900	108.5	-171.2	9.2	10.1	112.7	0.006	7.9	2.52
70.3	11.5	0.01	25.3					
246.000	108.2	-171.1	9.2	10.2	103.6	0.004	7.9	2.54
70.3	10.8	0.01	25.4					

246.100	108.0	-171.1	9.3	10.4	101.0	0.004	7.9	2.54
70.3	10.5	0.01 25.0						
246.200	108.3	-171.0	9.2	10.5	97.1	0.002	7.9	2.54
70.3	10.6	0.01 24.6						
246.300	109.6	-171.0	9.1	10.7	91.5	-0.001	7.9	2.54
70.3	10.4	0.01 24.1						
246.400	110.4	-170.9	9.1	10.8	87.2	-0.002	7.9	2.55
70.3	10.2	0.01 23.7						
246.500	110.8	-170.9	9.0	10.9	87.6	0.001	7.9	2.55
70.3	9.8	0.01 23.1						
246.600	110.5	-170.8	9.0	11.0	82.2	0.002	7.9	2.56
70.3	9.4	0.01 22.6						
246.700	110.6	-170.8	9.0	11.2	82.2	0.002	7.9	2.56
70.3	9.1	0.01 22.6						
246.800	110.3	-170.7	9.1	11.3	80.0	0.004	7.9	2.57
70.3	8.8	0.01 22.4						
246.900	109.8	-170.7	9.1	11.5	76.8	0.006	7.9	2.58
70.3	8.3	0.01 22.2						
247.000	108.8	-170.6	9.2	11.5	72.9	0.006	7.9	2.58
70.3	8.1	0.01 21.6						
247.100	109.4	-170.5	9.1	11.6	74.2	0.007	7.9	2.58
70.3	8.0	0.01 21.3						
247.200	109.1	-170.4	9.2	11.7	73.8	0.010	7.9	2.58
70.3	8.2	0.01 21.4						
247.300	109.3	-170.2	9.2	11.7	74.6	0.008	7.9	2.58
70.3	8.4	0.01 21.4						
247.400	108.5	-170.1	9.2	11.7	73.3	0.006	7.9	2.58
70.3	8.4	0.01 21.9						
247.500	108.8	-170.0	9.2	11.7	76.3	0.008	7.9	2.57
70.3	8.8	0.01 21.5						
247.600	108.4	-170.0	9.2	11.7	76.8	0.010	7.9	2.57
70.3	8.9	0.01 21.5						
247.700	107.0	-169.9	9.4	11.7	75.1	0.011	7.9	2.56
70.3	9.1	0.01 21.4						
247.800	105.4	-169.9	9.5	11.7	76.1	0.006	7.9	2.57
70.4	8.9	0.01 21.4						
247.900	104.9	-169.9	9.5	11.7	78.3	0.006	7.9	2.57
70.4	8.8	0.01 21.2						
248.000	105.0	-169.9	9.5	11.7	79.2	0.009	7.9	2.57
70.3	8.8	0.01 21.6						
248.100	104.9	-169.9	9.5	11.6	82.6	0.008	7.9	2.57
70.4	8.6	0.01 22.0						
248.200	104.3	-169.9	9.6	11.6	83.3	0.008	7.9	2.57
70.3	8.6	0.01 22.5						
248.300	103.5	-169.9	9.7	11.5	84.6	0.007	8.0	2.57
70.4	8.8	0.01 23.0						
248.400	102.3	-170.0	9.8	11.5	87.6	0.007	8.0	2.57
70.4	9.0	0.01 23.1						
248.500	101.1	-170.0	9.9	11.5	87.4	0.007	8.0	2.56
70.4	9.2	0.01 23.5						
248.600	100.6	-170.0	9.9	11.5	87.2	0.007	8.0	2.55
70.4	9.7	0.01 23.8						
248.700	100.2	-170.0	10.0	11.5	86.9	0.005	7.9	2.56
70.4	9.3	0.01 23.7						

248.800	99.9	-170.0	10.0	11.5	84.4	0.004	8.0	2.55
70.4	9.7	0.01 23.8						
248.900	98.1	-169.9	10.2	11.5	86.5	0.002	8.0	2.54
70.4	10.3	0.01 23.2						
249.000	96.9	-169.9	10.3	11.4	87.6	0.001	8.0	2.53
70.3	11.2	0.01 23.0						
249.100	95.0	-169.8	10.5	11.5	84.1	0.003	8.0	2.52
70.4	11.7	0.01 22.8						
249.200	94.1	-169.8	10.6	11.6	84.8	0.005	8.0	2.53
70.4	11.3	0.01 22.9						
249.300	92.6	-169.8	10.8	11.6	86.3	0.010	8.0	2.52
70.4	11.5	0.01 22.8						
249.400	91.2	-169.7	11.0	11.7	83.7	0.020	7.9	2.51
70.4	12.5	0.01 22.9						
249.500	89.8	-169.7	11.1	11.9	82.4	0.018	7.9	2.50
70.4	13.1	0.01 22.6						
249.600	88.5	-169.7	11.3	12.2	78.5	0.021	7.8	2.50
70.4	13.3	0.01 22.2						
249.700	86.7	-169.7	11.5	12.5	74.8	0.024	7.8	2.50
70.4	12.9	0.01 21.7						
249.800	85.0	-169.7	11.8	12.9	72.2	0.027	7.8	2.51
70.4	12.7	0.01 21.0						
249.900	83.9	-169.6	11.9	13.4	69.2	0.025	7.8	2.51
70.4	12.1	0.01 20.5						
250.000	82.9	-169.7	12.1	14.1	65.1	0.031	7.8	2.52
70.4	11.6	0.01 20.0						
250.100	82.5	-169.8	12.1	14.7	60.8	0.029	7.8	2.54
70.4	10.7	0.01 19.3						
250.200	81.9	-170.0	12.2	15.4	56.7	0.030	7.8	2.54
70.4	10.5	0.01 19.1						
250.300	81.0	-170.5	12.4	16.3	54.5	0.030	7.8	2.56
70.4	9.5	0.01 18.5						
250.400	80.0	-171.4	12.5	17.2	51.7	0.029	7.8	2.58
70.4	8.2	0.01 17.4						
250.500	78.5	-172.6	12.7	18.0	48.0	0.029	7.8	2.60
70.4	6.6	0.01 16.8						
250.600	79.0	-174.4	12.7	18.9	46.9	0.022	7.8	2.62
70.4	5.3	0.01 16.0						
250.700	78.8	-176.5	12.7	19.8	43.7	0.016	7.8	2.63
70.4	4.7	0.01 15.0						
250.800	78.3	-178.9	12.8	20.8	38.9	0.015	7.8	2.64
70.4	4.2	0.01 14.2						
250.900	77.6	-181.5	12.9	21.6	37.4	0.012	7.9	2.67
70.4	2.7	0.01 13.2						
251.000	76.3	-184.4	13.1	22.0	34.4	0.012	7.9	2.68
70.4	1.7	0.01 12.7						
251.100	76.1	-187.6	13.1	22.4	35.9	0.008	7.9	2.69
70.4	1.1	0.01 12.2						
251.200	74.6	-190.8	13.4	22.8	35.0	0.013	7.9	2.69
70.4	1.2	0.01 11.5						
251.300	74.3	-194.2	13.5	23.1	35.0	0.009	7.9	2.70
70.4	0.9	0.01 11.0						
251.400	73.1	-197.5	13.7	23.2	34.6	0.009	7.9	2.69
70.4	1.2	0.01 10.4						

251.500	73.1	-200.6	13.7	23.3	35.0	0.011	7.9	2.70
70.4	0.7	0.01	10.0					
251.600	72.9	-203.4	13.7	23.3	36.6	0.018	7.9	2.69
70.4	1.2	0.01	9.6					
251.700	72.1	-206.0	13.9	23.3	37.8	0.019	7.9	2.68
70.4	1.7	0.01	9.2					
251.800	70.1	-208.3	14.3	23.4	38.7	0.017	7.9	2.67
70.4	2.4	0.01	9.1					
251.900	68.1	-210.5	14.7	23.4	36.8	0.016	7.9	2.66
70.4	3.1	0.01	9.4					
252.000	66.3	-212.5	15.1	23.2	36.8	0.015	7.8	2.65
70.4	3.8	0.01	9.4					
252.100	65.3	-214.2	15.3	23.2	38.3	0.014	7.8	2.65
70.4	4.0	0.01	9.5					
252.200	63.5	-215.7	15.8	23.2	39.6	0.019	7.8	2.63
70.4	4.8	0.01	9.4					
252.300	62.0	-217.1	16.2	23.3	39.6	0.016	7.8	2.62
70.4	5.6	0.01	9.6					
252.400	60.0	-218.3	16.7	23.4	40.7	0.012	7.8	2.61
70.4	6.5	0.01	10.0					
252.500	59.2	-219.2	16.9	23.6	40.2	0.007	7.8	2.59
70.4	7.2	0.01	10.0					
252.600	57.6	-220.2	17.4	23.8	38.9	0.006	7.8	2.59
70.4	7.7	0.01	10.1					
252.700	56.0	-221.0	17.9	24.2	40.7	0.007	7.8	2.58
70.4	7.8	0.01	10.2					
252.800	54.6	-221.6	18.3	24.7	39.6	0.010	7.8	2.58
70.4	8.2	0.01	10.3					
252.900	53.7	-222.2	18.6	25.1	38.7	0.004	7.8	2.57
70.4	8.4	0.01	10.6					
253.000	52.3	-222.7	19.1	25.6	41.7	0.005	7.8	2.56
70.4	9.2	0.01	10.6					
253.100	49.9	-223.1	20.1	26.2	40.9	0.008	7.8	2.57
70.4	8.7	0.01	10.6					
253.200	48.4	-223.5	20.7	26.8	40.9	0.014	7.8	2.57
70.4	8.7	0.01	10.6					
253.300	47.8	-223.8	20.9	27.6	40.4	0.012	7.8	2.57
70.4	8.7	0.01	10.6					
253.400	47.2	-224.0	21.2	27.9	42.2	0.013	7.8	2.57
70.4	8.6	0.01	10.5					
253.500	46.7	-224.1	21.4	28.8	42.0	0.010	7.8	2.57
70.4	8.5	0.01	10.5					
253.600	45.9	-224.0	21.8	29.2	41.5	0.013	7.8	2.57
70.4	9.0	0.01	10.4					
253.700	45.8	-223.7	21.8	29.9	39.4	0.018	7.8	2.58
70.4	8.0	0.01	10.4					
253.800	45.2	-223.1	22.1	30.9	40.4	0.026	7.8	2.59
70.4	7.4	0.01	10.1					
253.900	44.7	-222.4	22.4	31.9	39.6	0.026	7.8	2.59
70.4	7.2	0.01	9.6					
254.000	44.4	-221.6	22.5	32.5	38.9	0.024	7.8	2.60
70.4	6.7	0.01	9.4					
254.100	44.1	-220.9	22.7	34.3	37.0	0.020	7.8	2.61
70.4	6.1	0.01	9.3					

254.200	44.3	-220.4	22.6	35.7	34.8	0.021	7.8	2.62
70.4	5.7	0.01	9.0					
254.300	43.9	-219.8	22.8	37.5	35.5	0.022	7.8	2.62
70.4	5.3	0.01	8.6					
254.400	44.0	-219.3	22.7	39.7	35.0	0.018	7.8	2.63
70.4	4.7	0.01	8.4					
254.500	43.6	-218.7	22.9	42.0	31.1	0.014	7.8	2.64
70.4	4.1	0.01	8.1					
254.600	43.2	-218.2	23.1	44.4	30.1	0.015	7.8	2.64
70.4	4.2	0.01	7.8					
254.700	42.7	-218.0	23.4	47.3	28.1	0.015	7.8	2.65
70.4	3.5	0.01	7.6					
254.800	42.2	-217.9	23.7	49.3	26.4	0.014	7.8	2.67
70.4	2.3	0.01	7.3					
254.900	42.3	-218.2	23.7	51.7	24.7	0.016	7.8	2.68
70.4	1.7	0.01	7.2					
255.000	42.5	-218.7	23.6	54.9	22.1	0.013	7.8	2.69
70.4	1.3	0.01	7.1					
255.100	42.4	-219.2	23.6	56.3	20.8	0.008	7.8	2.69
70.4	1.0	0.01	7.0					
255.200	41.3	-219.6	24.3	58.1	19.7	0.011	7.8	2.69
70.4	1.4	0.01	6.9					
255.300	40.7	-219.9	24.6	59.9	17.3	0.015	7.8	2.69
70.4	1.3	0.00	6.9					
255.400	40.6	-220.4	24.6	59.9	17.3	0.018	7.8	2.69
70.4	1.2	0.01	6.9					
255.500	40.4	-221.2	24.7	60.6	18.0	0.020	7.8	2.69
70.4	1.5	0.01	7.0					
255.600	39.8	-222.2	25.1	61.0	20.1	0.023	7.8	2.68
70.4	2.1	0.01	7.2					
255.700	38.5	-223.2	26.0	60.4	19.0	0.031	7.8	2.67
70.4	2.5	0.01	7.4					
255.800	38.2	-224.2	26.2	60.5	17.3	0.036	7.8	2.66
70.4	3.2	0.01	7.4					
255.900	37.5	-225.2	26.7	61.7	17.5	0.036	7.8	2.64
70.4	4.1	0.01	7.6					
256.000	37.6	-226.2	26.6	62.7	18.8	0.039	7.8	2.63
70.4	5.1	0.01	7.8					
256.100	37.5	-227.2	26.6	63.9	20.5	0.041	7.8	2.62
70.4	5.9	0.01	8.3					
256.200	36.7	-228.2	27.3	63.9	21.0	0.038	7.7	2.60
70.4	6.7	0.01	8.5					
256.300	35.3	-229.0	28.4	64.6	21.4	0.039	7.7	2.59
70.4	7.2	0.01	8.7					
256.400	34.3	-229.9	29.1	65.7	21.6	0.041	7.7	2.60
70.4	7.1	0.01	8.7					
256.500	33.9	-230.7	29.5	67.5	25.3	0.042	7.7	2.59
70.4	7.4	0.01	8.7					
256.600	33.3	-231.2	30.1	66.7	24.4	0.043	7.7	2.60
70.4	6.9	0.01	8.9					
256.700	32.5	-231.8	30.8	66.5	26.6	0.043	7.8	2.60
70.4	7.1	0.01	9.2					
256.800	31.2	-232.3	32.1	67.5	27.5	0.038	7.8	2.60
70.4	6.9	0.01	9.5					

256.900	30.1	-232.9	33.4	69.5	29.0	0.036	7.9	2.61
70.4	6.5	0.01	9.7					
257.000	29.5	-233.4	33.9	70.1	29.8	0.029	7.8	2.61
70.4	6.4	0.01	9.7					
257.100	29.1	-233.4	34.4	71.7	29.6	0.023	7.9	2.61
70.4	6.3	0.01	9.7					
257.200	29.7	-233.3	33.6	72.4	31.6	0.021	7.9	2.61
70.4	6.3	0.01	9.6					
257.300	29.7	-233.5	33.7	73.8	32.9	0.020	7.9	2.62
70.4	5.3	0.01	9.7					
257.400	29.9	-233.8	33.5	76.4	35.3	0.022	7.9	2.63
70.4	5.1	0.01	9.8					
257.500	29.0	-234.1	34.6	77.6	36.1	0.024	7.9	2.64
70.4	4.3	0.01	9.9					
257.600	29.1	-234.6	34.5	76.5	36.3	0.027	7.8	2.65
70.4	3.6	0.01	9.6					
257.700	29.5	-235.2	34.0	76.1	38.3	0.025	7.8	2.66
70.4	3.3	0.01	9.5					
257.800	30.0	-235.6	33.4	76.7	42.6	0.023	7.8	2.65
70.4	3.7	-0.01	9.6					
257.900	30.5	-236.0	32.9	77.5	42.6	0.022	7.8	2.64
70.4	4.5	-0.01	9.6					
258.000	30.6	-236.3	32.8	75.9	40.4	0.018	7.8	2.64
70.4	4.3	-0.01	9.7					
258.100	30.9	-236.7	32.4	72.6	41.1	0.022	7.8	2.64
70.4	4.6	-0.01	9.7					
258.200	30.2	-237.4	33.2	71.9	41.3	0.023	7.8	2.64
70.4	4.4	-0.01	9.6					
258.300	30.0	-238.1	33.3	71.9	42.4	0.026	7.8	2.63
70.4	5.0	-0.05	9.7					
258.400	30.0	-238.4	33.3	71.9	40.9	0.029	7.8	2.62
70.4	5.5	-0.05	9.8					
258.500	30.0	-238.5	33.3	71.0	40.0	0.031	7.8	2.62
70.4	5.6	-0.06	10.0					
258.600	30.6	-238.8	32.7	68.9	38.9	0.031	7.8	2.62
70.4	5.8	-0.06	10.0					
258.700	30.6	-239.1	32.7	69.3	38.9	0.029	7.8	2.61
70.4	5.9	-0.05	10.1					
258.800	31.2	-239.6	32.1	69.3	37.8	0.028	7.8	2.61
70.4	6.4	-0.05	10.2					
258.900	30.7	-240.2	32.6	68.6	34.4	0.028	7.8	2.61
70.4	5.9	-0.05	10.0					
259.000	30.7	-241.0	32.6	69.4	31.8	0.033	7.8	2.61
70.4	6.0	-0.05	10.2					
259.100	30.2	-241.7	33.1	70.8	30.3	0.038	7.8	2.61
70.4	5.9	-0.05	10.2					
259.200	30.6	-242.5	32.7	71.0	29.8	0.038	7.8	2.61
70.4	5.9	-0.00	10.2					
259.300	30.5	-243.3	32.8	72.4	25.3	0.038	7.8	2.62
70.4	5.8	0.01	10.2					
259.400	30.7	-244.3	32.6	72.0	24.7	0.032	7.8	2.62
70.4	5.5	0.02	10.3					
259.500	31.0	-245.5	32.3	76.0	24.4	0.028	7.8	2.62
70.3	5.9	0.02	10.2					

259.600	31.2	-246.9	32.1	79.2	22.9	0.025	7.8	2.61
70.4	6.5	0.02	10.2					
259.700	30.9	-247.9	32.4	78.8	22.1	0.024	7.8	2.60
70.5	7.1	0.02	10.0					
259.800	30.5	-248.7	32.8	77.2	21.0	0.021	7.8	2.60
70.4	6.9	0.06	9.7					
259.900	30.6	-249.2	32.7	76.9	20.5	0.022	7.9	2.61
70.4	5.9	0.06	9.4					
260.000	30.6	-249.6	32.7	77.5	19.0	0.028	7.9	2.62
69.8	5.8	0.07	9.0					
260.100	30.0	-250.0	33.3	79.8	18.6	0.028	7.9	2.61
70.4	5.9	0.07	8.9					
260.200	29.8	-250.2	33.6	77.7	16.0	0.025	7.8	2.62
70.3	5.5	0.06	8.5					
260.300	29.7	-250.5	33.6	75.4	15.1	0.021	7.9	2.63
70.4	5.1	0.06	8.4					
260.400	30.3	-250.8	33.0	75.4	16.4	0.017	7.8	2.62
70.5	5.6	0.06	8.4					
260.500	30.8	-250.9	32.5	77.7	16.7	0.013	7.9	2.62
70.4	5.9	0.06	8.1					
260.600	31.1	-250.9	32.2	77.4	16.2	0.013	7.9	2.61
70.5	6.1	0.06	8.1					
260.700	31.0	-250.9	32.3	78.3	14.9	0.012	7.8	2.62
70.5	5.8	0.02	8.1					
260.800	31.1	-250.7	32.2	78.9	14.9	0.014	7.9	2.62
70.5	5.8	0.02	8.0					
260.900	31.0	-250.4	32.3	77.8	15.4	0.015	7.8	2.63
70.4	5.1	0.01	7.9					
261.000	31.3	-250.2	32.0	78.6	15.6	0.020	7.9	2.63
70.4	5.1	0.01	7.8					
261.100	31.2	-250.0	32.1	81.1	18.6	0.021	7.8	2.64
70.5	4.5	0.01	7.7					
261.200	31.2	-250.0	32.0	80.2	18.2	0.019	7.9	2.64
70.5	4.4	0.01	7.8					
261.300	30.6	-250.1	32.7	80.2	18.2	0.010	7.9	2.64
70.5	4.2	0.01	7.6					
261.400	30.0	-250.1	33.4	78.8	18.2	0.010	7.9	2.63
70.5	4.8	0.01	7.6					
261.500	30.0	-250.1	33.4	76.8	19.9	0.012	7.9	2.63
70.5	5.0	0.01	7.9					
261.600	30.5	-250.0	32.8	77.7	21.6	0.010	7.9	2.64
70.5	4.5	0.01	7.9					
261.700	30.6	-250.1	32.7	75.7	23.1	0.010	7.9	2.64
70.5	4.5	0.01	7.9					
261.800	30.6	-250.2	32.6	73.6	25.5	0.013	7.9	2.63
70.5	4.7	0.01	7.9					
261.900	30.3	-250.4	33.0	73.1	24.4	0.013	7.8	2.63
70.5	5.0	0.01	8.0					
262.000	30.3	-250.7	33.0	72.0	25.5	0.012	7.9	2.63
70.5	5.0	0.01	8.0					
262.100	29.9	-250.9	33.4	70.8	25.5	0.011	7.9	2.64
70.5	4.6	0.01	8.0					
262.200	30.1	-251.1	33.2	69.6	25.5	0.012	7.9	2.63
70.5	4.8	0.01	8.1					

262.300	29.6	-251.0	33.8	68.1	25.7	0.005	7.8	2.63
70.5	4.8	0.01	8.1					
262.400	28.7	-251.0	34.9	68.2	25.3	0.005	7.9	2.63
70.5	4.8	0.01	8.1					
262.500	28.4	-250.9	35.2	70.4	25.3	0.011	7.8	2.64
70.5	4.4	0.01	8.1					
262.600	29.1	-251.0	34.5	71.1	23.1	0.012	7.9	2.63
70.5	5.1	0.01	8.1					
262.700	29.9	-251.2	33.4	72.6	25.3	0.011	7.8	2.64
70.5	4.6	0.01	8.0					
262.800	30.1	-251.4	33.2	73.3	27.0	0.009	7.8	2.63
70.5	4.9	0.01	8.0					
262.900	30.0	-251.5	33.4	73.5	27.5	0.011	7.9	2.64
70.5	4.6	0.01	7.9					
263.000	30.3	-251.7	33.0	75.9	27.3	0.015	7.9	2.64
70.5	4.4	0.01	7.8					
263.100	30.1	-251.9	33.3	77.5	27.7	0.016	7.9	2.63
70.5	4.9	0.01	7.9					
263.200	29.9	-252.0	33.4	75.6	28.5	0.016	7.9	2.62
70.5	5.5	0.01	7.9					
263.300	29.6	-252.1	33.8	75.3	27.7	0.018	7.9	2.62
70.5	5.9	0.01	7.9					
263.400	29.9	-252.1	33.4	74.2	28.8	0.017	7.9	2.62
70.5	5.3	0.01	7.7					
263.500	29.7	-252.1	33.6	72.7	27.5	0.017	7.9	2.63
70.5	5.1	0.01	7.7					
263.600	29.7	-252.0	33.6	73.5	27.9	0.019	7.9	2.63
70.5	4.9	0.01	7.6					
263.700	29.7	-251.7	33.7	70.2	27.0	0.022	7.9	2.63
70.5	4.8	0.01	7.4					
263.800	29.9	-251.3	33.5	67.2	27.5	0.018	7.8	2.64
70.5	4.1	0.01	7.5					
263.900	30.6	-250.9	32.7	66.1	28.8	0.021	7.9	2.63
70.5	4.9	0.01	7.5					
264.000	30.8	-250.4	32.5	64.6	29.2	0.021	7.9	2.62
70.5	5.4	0.01	7.5					
264.100	31.0	-250.2	32.3	67.0	30.9	0.021	7.9	2.63
70.5	5.2	0.01	7.4					
264.200	29.6	-249.9	33.9	69.5	28.3	0.023	7.9	2.62
70.5	5.6	0.01	7.6					
264.300	29.3	-249.6	34.2	71.5	27.5	0.020	7.9	2.62
70.5	5.6	0.01	7.6					
264.400	29.3	-249.2	34.2	74.6	27.9	0.020	7.8	2.61
70.5	6.1	0.01	7.6					
264.500	30.0	-248.7	33.3	78.5	28.3	0.024	7.8	2.61
70.5	6.4	0.01	7.4					
264.600	29.7	-248.0	33.6	82.2	27.9	0.026	7.8	2.62
70.5	5.8	0.01	7.3					
264.700	29.2	-247.4	34.3	86.0	26.0	0.031	7.9	2.62
70.5	5.6	0.01	7.4					
264.800	28.6	-246.7	35.0	86.7	24.7	0.029	7.8	2.63
70.5	5.3	0.01	7.3					
264.900	28.7	-246.0	34.9	88.4	24.2	0.028	7.8	2.63
70.5	5.2	0.01	7.2					

265.000	28.7	-245.3	34.9	88.4	25.1	0.026	7.8	2.63
70.5	5.1	0.01	7.2					
265.100	28.4	-244.4	35.3	91.2	24.7	0.025	7.8	2.62
70.5	5.7	0.01	7.1					
265.200	28.0	-243.5	35.8	92.9	26.0	0.021	7.8	2.62
70.5	5.8	0.01	7.1					
265.300	27.8	-242.6	36.1	92.2	25.1	0.022	7.8	2.62
70.5	5.4	0.01	6.9					
265.400	28.3	-241.9	35.3	92.2	25.5	0.027	7.8	2.63
70.5	4.8	0.01	6.8					
265.500	28.9	-241.3	34.6	91.7	24.7	0.029	7.9	2.64
70.5	4.0	0.01	6.7					
265.600	29.0	-240.9	34.5	93.8	22.9	0.028	7.9	2.65
70.5	3.9	0.01	6.7					
265.700	29.3	-240.6	34.2	94.4	22.9	0.025	7.9	2.66
70.5	3.3	0.01	6.6					
265.800	28.5	-240.3	35.1	95.8	21.2	0.021	7.9	2.67
70.5	2.6	0.01	6.5					
265.900	28.9	-240.2	34.7	95.5	19.9	0.023	7.9	2.67
70.5	2.3	0.01	6.5					
266.000	28.4	-239.9	35.2	96.9	19.9	0.020	7.9	2.69
70.5	1.5	0.01	6.5					
266.100	28.6	-239.7	35.0	96.9	18.4	0.023	7.9	2.68
70.5	1.6	0.01	6.6					
266.200	28.3	-239.7	35.4	99.0	18.8	0.023	7.9	2.68
70.5	1.7	0.01	6.5					
266.300	28.0	-239.7	35.8	99.0	21.4	0.023	7.9	2.69
70.5	1.4	0.01	6.6					
266.400	27.1	-239.5	36.9	97.8	21.0	0.023	7.9	2.69
70.5	0.9	0.01	6.6					
266.500	26.9	-239.3	37.2	92.2	20.5	0.027	7.9	2.69
70.5	1.1	0.01	6.5					
266.600	27.2	-239.0	36.8	90.2	20.8	0.025	7.9	2.69
70.5	1.0	0.01	6.5					
266.700	27.6	-238.9	36.3	86.4	19.5	0.019	7.9	2.70
70.5	0.9	0.01	6.5					
266.800	27.7	-238.6	36.2	83.5	19.7	0.014	7.9	2.68
70.5	1.7	0.01	6.5					
266.900	27.1	-238.2	37.0	80.3	17.5	0.013	7.9	2.67
70.5	2.3	0.01	6.7					
267.000	27.0	-237.8	37.1	75.0	18.0	0.014	7.9	2.67
70.5	2.6	0.01	6.6					
267.100	26.7	-237.5	37.5	73.4	19.2	0.013	7.9	2.67
70.5	2.7	0.01	6.6					
267.200	26.4	-237.3	38.0	74.3	19.2	0.012	7.9	2.67
70.5	2.7	0.01	6.6					
267.300	25.8	-236.9	38.8	74.3	19.7	0.013	7.9	2.66
70.5	2.9	0.01	6.5					
267.400	25.7	-236.4	38.9	73.7	19.2	0.010	7.9	2.66
70.5	3.2	0.01	6.5					
267.500	25.9	-235.9	38.6	74.1	17.5	0.009	7.9	2.66
70.5	3.3	0.01	6.6					
267.600	25.7	-235.7	38.9	73.8	16.9	0.010	7.9	2.66
70.5	3.1	0.01	6.4					

267.700	25.6	-235.7	39.2	73.7	16.0	0.010	7.9	2.67
70.5	2.5	0.01	6.4					
267.800	25.2	-235.4	39.7	74.0	13.0	0.009	7.9	2.68
70.5	1.9	0.01	6.4					
267.900	25.2	-235.1	39.7	73.1	13.0	0.013	7.9	2.67
70.5	2.3	0.01	6.4					
268.000	24.9	-234.9	40.1	71.6	12.5	0.013	7.9	2.68
70.5	1.8	0.01	6.4					
268.100	25.2	-234.7	39.7	69.9	14.1	0.016	7.9	2.68
70.5	1.6	0.01	6.3					
268.200	26.6	-234.5	37.7	67.9	14.1	0.013	7.9	2.69
70.5	1.2	0.01	6.2					
268.300	26.7	-234.2	37.6	66.1	13.8	0.015	7.9	2.70
70.5	0.6	0.01	6.1					
268.400	27.3	-233.9	36.6	64.9	15.6	0.017	7.9	2.71
70.5	0.0	0.01	6.1					
268.500	27.7	-233.8	36.2	62.3	15.1	0.015	7.9	2.72
70.5	-0.5	0.01	6.2					
268.600	29.5	-233.7	34.0	59.2	13.8	0.015	7.9	2.73
70.5	-1.1	0.01	6.4					
268.700	30.3	-233.0	33.0	55.3	13.8	0.016	7.9	2.73
70.5	-1.2	0.01	6.7					
268.800	30.8	-232.1	32.5	53.4	13.8	0.018	7.9	2.73
70.5	-1.3	0.01	6.8					
268.900	32.0	-231.5	31.4	50.6	17.7	0.020	7.9	2.74
70.5	-1.6	0.01	7.2					
269.000	33.6	-230.5	29.9	46.8	20.8	0.021	7.9	2.74
70.5	-1.8	0.01	7.3					
269.100	35.0	-229.3	28.6	43.4	24.2	0.024	7.9	2.73
70.5	-1.5	0.01	7.6					
269.200	35.8	-227.7	28.0	40.7	28.1	0.021	7.9	2.73
70.5	-1.5	0.01	7.8					
269.300	37.4	-226.0	26.8	38.4	31.1	0.024	7.9	2.73
70.5	-0.9	0.01	8.2					
269.400	38.7	-224.1	25.8	36.4	33.3	0.023	7.9	2.73
70.5	-1.2	0.01	8.8					
269.500	39.7	-222.2	25.2	34.7	36.6	0.027	7.9	2.73
70.5	-1.0	0.01	9.4					
269.600	40.9	-220.2	24.5	32.8	37.0	0.025	7.9	2.72
70.5	-0.7	0.01	10.0					
269.700	42.7	-217.9	23.5	30.6	41.1	0.023	7.9	2.71
70.5	-0.3	0.01	10.6					
269.800	44.7	-215.9	22.4	28.8	44.1	0.023	7.9	2.71
70.5	0.2	0.01	11.5					
269.900	45.7	-213.5	21.9	27.3	46.7	0.022	7.9	2.70
70.5	0.5	0.01	12.3					
270.000	47.3	-210.7	21.2	25.7	53.0	0.023	7.9	2.69
70.5	1.4	0.01	12.9					
270.100	48.8	-208.4	20.5	24.6	60.3	0.021	7.9	2.69
70.5	1.3	0.01	13.4					
270.200	50.4	-206.4	19.8	23.4	65.1	0.025	7.9	2.68
70.5	1.8	0.01	14.0					
270.300	52.3	-204.7	19.1	22.4	72.9	0.025	7.9	2.67
70.5	2.6	0.01	14.8					

270.400	54.5	-203.3	18.4	21.6	76.8	0.019	7.9	2.66
70.5	3.3	0.01 15.6						
270.500	57.3	-201.9	17.5	20.8	84.6	0.021	7.9	2.64
70.5	4.2	0.01 16.5						
270.600	58.7	-200.7	17.1	20.0	89.3	0.019	7.9	2.63
70.5	4.7	0.01 17.5						
270.700	59.6	-199.3	16.8	19.3	97.1	0.020	7.9	2.62
70.5	5.7	0.01 18.4						
270.800	60.4	-197.9	16.6	18.6	106.2	0.018	7.9	2.61
70.5	6.3	0.01 19.0						
270.900	62.2	-196.7	16.1	17.9	114.0	0.021	7.9	2.59
70.5	7.4	0.01 20.1						
271.000	63.9	-195.1	15.7	17.4	118.5	0.021	7.9	2.58
70.5	8.4	0.01 21.0						
271.100	65.6	-193.7	15.2	16.9	126.3	0.022	7.9	2.56
70.5	9.2	0.01 21.6						
271.200	66.2	-192.4	15.1	16.4	129.6	0.020	7.9	2.55
70.6	9.9	0.01 22.0						
271.300	67.4	-191.0	14.8	15.9	133.4	0.017	7.9	2.54
70.5	10.4	0.01 22.0						
271.400	67.7	-189.6	14.8	15.6	137.1	0.020	7.9	2.53
70.5	11.2	0.01 22.5						
271.500	68.2	-188.1	14.7	15.3	140.8	0.014	7.9	2.52
70.6	11.6	0.01 23.4						
271.600	68.3	-186.7	14.6	15.3	143.6	0.011	7.9	2.51
70.5	12.4	0.01 24.6						
271.700	68.6	-185.2	14.6	15.2	146.2	0.012	7.9	2.50
70.6	12.9	0.01 25.4						
271.800	69.3	-183.9	14.4	15.1	142.7	0.010	7.9	2.50
70.5	12.8	0.01 25.8						
271.900	69.3	-182.9	14.4	15.2	146.6	0.010	7.9	2.51
70.6	12.5	0.01 25.9						
272.000	70.4	-181.8	14.2	15.2	144.9	0.010	7.9	2.50
70.6	12.8	0.01 26.2						
272.100	70.2	-181.5	14.2	15.3	146.6	0.009	7.9	2.50
70.6	12.9	0.01 26.4						
272.200	71.0	-181.4	14.1	15.5	148.8	0.008	7.9	2.50
70.5	13.2	0.01 26.7						
272.300	70.4	-181.4	14.2	15.5	147.5	0.008	7.9	2.49
70.6	13.9	0.01 26.8						
272.400	69.6	-181.3	14.4	15.7	150.1	0.006	7.9	2.49
70.5	13.9	0.01 26.6						
272.500	68.5	-181.4	14.6	16.1	160.1	0.013	7.9	2.49
70.6	13.9	0.01 26.9						
272.600	68.1	-181.4	14.7	16.5	163.7	0.016	7.9	2.48
70.6	14.3	0.01 26.7						
272.700	68.9	-181.3	14.5	16.8	169.4	0.014	7.9	2.46
70.6	15.6	0.01 27.1						
272.800	68.6	-181.3	14.6	17.3	177.8	0.011	7.9	2.44
70.6	16.9	0.01 27.6						
272.900	68.4	-181.3	14.6	17.7	184.1	0.011	7.9	2.41
70.6	18.4	0.01 27.7						
273.000	67.9	-181.2	14.7	18.2	196.2	0.010	7.9	2.40
70.6	19.3	0.01 27.5						

273.100	68.2	-181.1	14.7	18.8	208.7	0.014	7.9	2.38
70.6	20.6	0.01	27.3					
273.200	67.1	-181.0	14.9	19.0	226.0	0.016	7.9	2.36
70.6	21.6	0.01	27.1					
273.300	66.7	-180.9	15.0	19.4	243.8	0.018	7.9	2.33
70.6	23.6	0.01	27.6					
273.400	66.0	-180.7	15.2	19.9	253.3	0.014	7.9	2.30
70.6	25.4	0.01	27.9					
273.500	66.4	-180.5	15.1	20.4	268.8	0.012	7.9	2.28
70.6	26.8	0.01	28.3					
273.600	65.5	-180.3	15.3	20.8	289.2	0.012	8.0	2.26
70.6	28.2	0.01	28.7					
273.700	65.2	-180.2	15.3	21.1	303.4	0.013	8.1	2.24
70.6	29.1	0.01	29.0					
273.800	64.4	-180.3	15.5	21.5	325.9	0.011	8.0	2.22
70.6	30.3	0.01	29.3					
273.900	64.1	-180.5	15.6	21.7	341.5	0.006	8.0	2.20
70.6	31.6	0.01	29.4					
274.000	64.1	-180.8	15.6	21.9	357.1	0.003	8.1	2.19
70.6	32.5	0.01	29.6					
274.100	64.6	-181.1	15.5	22.1	381.5	0.005	8.1	2.18
70.6	33.1	0.01	30.0					
274.200	64.8	-181.4	15.4	22.0	398.0	0.003	8.1	2.18
70.6	32.7	0.01	29.7					
274.300	64.7	-181.8	15.5	21.8	403.8	0.002	8.0	2.19
70.6	32.4	0.01	29.8					
274.400	64.7	-182.3	15.5	21.5	413.3	-0.000	8.0	2.20
70.6	31.5	0.01	29.8					
274.500	65.6	-182.8	15.2	21.1	413.8	-0.004	8.0	2.21
70.6	31.0	0.01	29.6					
274.600	65.9	-183.3	15.2	20.6	411.4	-0.010	7.9	2.22
70.6	30.5	0.01	29.4					
274.700	65.9	-183.8	15.2	20.0	400.1	-0.008	7.9	2.23
70.6	30.0	0.01	29.5					
274.800	65.9	-184.2	15.2	19.4	392.6	-0.009	7.9	2.25
70.6	28.6	0.01	28.8					
274.900	66.0	-184.4	15.2	18.7	381.7	-0.011	7.9	2.26
70.6	27.7	0.01	28.8					
275.000	67.4	-184.6	14.8	18.0	365.1	-0.014	7.9	2.28
70.6	26.5	0.01	28.5					
275.100	67.8	-184.6	14.7	17.5	342.2	-0.019	7.9	2.30
70.6	25.4	0.01	28.0					
275.200	69.0	-184.4	14.5	16.8	322.5	-0.016	7.9	2.31
70.6	24.9	0.01	27.6					
275.300	69.9	-184.1	14.3	16.3	298.7	-0.015	7.9	2.32
70.6	24.2	0.01	27.2					
275.400	70.6	-183.8	14.2	15.8	278.4	-0.014	7.9	2.33
70.6	23.8	0.01	27.0					
275.500	71.7	-183.3	14.0	15.2	255.0	-0.010	7.9	2.33
70.6	23.8	0.00	26.5					
275.600	72.9	-182.9	13.7	14.8	219.5	-0.007	7.9	2.33
70.6	23.6	0.00	26.5					
275.700	74.5	-182.3	13.4	14.5	198.1	-0.004	7.9	2.33
70.6	23.8	0.00	26.8					

275.800	76.3	-181.8	13.1	14.1	184.7	-0.003	7.9	2.31
70.6	24.6	0.01	26.7					
275.900	77.6	-181.3	12.9	13.8	168.7	-0.004	7.9	2.30
70.6	25.4	0.01	26.7					
276.000	79.4	-180.8	12.6	13.5	152.7	-0.005	8.0	2.30
70.6	25.7	0.01	26.9					
276.100	81.0	-180.3	12.3	13.2	139.3	-0.003	8.0	2.29
70.6	25.8	0.01	27.3					
276.200	82.4	-180.1	12.1	12.9	131.3	-0.000	8.0	2.30
70.6	25.7	0.01	27.4					
276.300	84.3	-180.2	11.9	12.7	124.1	0.004	8.0	2.29
70.6	25.9	0.01	27.8					
276.400	85.6	-180.4	11.7	12.3	120.3	0.008	8.0	2.30
70.6	25.7	0.01	27.6					
276.500	87.6	-180.6	11.4	12.0	120.0	0.009	8.0	2.30
70.6	25.5	0.01	27.5					
276.600	88.4	-180.5	11.3	11.7	119.6	0.014	8.0	2.30
70.6	25.3	0.01	27.8					
276.700	90.0	-180.3	11.1	11.5	116.6	0.015	8.0	2.31
70.6	25.0	0.01	28.1					
276.800	90.9	-180.1	11.0	11.2	115.7	0.014	7.9	2.31
70.6	24.6	0.01	28.8					
276.900	92.3	-179.9	10.8	10.9	113.5	0.011	8.0	2.32
70.6	24.0	0.01	28.7					
277.000	92.7	-179.8	10.8	10.8	109.7	0.008	8.0	2.34
70.6	23.3	0.01	28.5					
277.100	93.4	-179.7	10.7	10.7	112.7	0.005	8.0	2.35
70.6	22.5	0.01	28.5					
277.200	94.2	-179.5	10.6	10.6	111.2	0.009	8.0	2.36
70.6	22.0	0.01	28.3					
277.300	94.8	-179.2	10.5	10.6	112.0	0.009	8.0	2.37
70.6	20.9	0.01	28.2					
277.400	95.0	-178.7	10.5	10.6	112.0	0.009	8.0	2.39
70.6	20.0	0.00	27.9					
277.500	95.2	-178.1	10.5	10.8	112.9	0.009	8.0	2.40
70.6	19.2	0.00	28.0					
277.600	94.8	-177.6	10.5	11.0	111.0	0.012	8.0	2.41
70.6	18.8	0.00	27.1					
277.700	94.1	-177.5	10.6	11.3	109.9	0.009	8.0	2.41
70.6	18.6	0.00	26.3					
277.800	92.7	-177.6	10.8	11.7	105.5	0.009	8.0	2.42
70.6	18.1	0.00	25.4					
277.900	92.2	-177.6	10.8	12.1	103.8	0.004	8.0	2.42
70.6	18.0	0.00	25.0					
278.000	92.0	-177.7	10.9	12.6	97.8	-0.002	8.0	2.43
70.6	17.6	0.00	24.7					
278.100	91.7	-177.9	10.9	13.1	94.3	-0.001	8.0	2.44
70.6	16.9	0.00	23.9					
278.200	91.1	-178.1	11.0	13.7	94.5	0.003	8.0	2.45
70.6	15.9	0.00	23.3					
278.300	90.4	-178.5	11.1	14.3	86.7	0.004	7.9	2.46
70.6	15.3	0.00	22.0					
278.400	89.0	-179.3	11.2	15.1	81.3	0.004	7.9	2.48
70.6	14.5	0.00	21.2					

278.500	87.4	-180.6	11.4	15.8	75.7	0.004	7.9	2.49
70.6	13.8	0.01	20.5					
278.600	86.0	-182.2	11.6	16.7	71.4	0.005	7.9	2.50
70.6	12.9	0.01	19.5					
278.700	85.0	-184.2	11.8	17.4	64.9	0.007	7.8	2.53
70.6	11.4	0.01	18.3					
278.800	84.3	-186.5	11.9	18.4	58.2	0.011	7.8	2.54
70.6	10.3	0.01	17.5					
278.900	83.1	-188.8	12.0	19.2	51.7	0.009	7.8	2.56
70.6	9.4	0.01	16.7					
279.000	82.7	-191.2	12.1	20.2	44.3	0.011	7.8	2.57
70.6	8.9	0.01	15.2					
279.100	80.3	-193.9	12.5	21.3	40.9	0.009	7.8	2.58
70.6	8.0	0.01	14.4					
279.200	79.2	-196.7	12.6	22.5	38.3	0.013	7.8	2.60
70.6	7.1	0.01	13.8					
279.300	76.6	-199.7	13.1	23.6	34.6	0.018	7.9	2.62
70.6	5.8	0.01	13.1					
279.400	76.3	-202.1	13.1	24.6	31.1	0.024	7.8	2.64
70.6	4.6	0.00	12.4					
279.500	74.0	-204.1	13.5	25.7	31.1	0.022	7.8	2.64
70.6	4.2	0.00	11.3					
279.600	72.0	-205.5	13.9	26.7	28.5	0.021	7.8	2.65
70.6	4.0	0.00	10.8					
279.700	69.4	-206.7	14.4	28.0	24.2	0.023	7.8	2.65
70.6	3.9	0.00	9.9					
279.800	66.7	-207.5	15.0	29.0	24.2	0.022	7.8	2.66
70.6	3.2	0.00	9.3					
279.900	64.6	-208.0	15.5	29.7	23.1	0.024	7.8	2.67
70.6	2.6	0.00	8.9					
280.000	61.7	-208.5	16.2	30.8	23.8	0.025	7.8	2.68
70.6	1.6	0.00	8.5					
280.100	59.0	-209.0	17.0	32.3	24.2	0.025	7.8	2.69
70.6	1.5	0.00	8.3					
280.200	56.8	-209.2	17.6	33.7	24.7	0.025	7.8	2.67
70.6	2.2	0.00	8.1					
280.300	54.7	-209.2	18.3	34.9	24.4	0.024	7.8	2.68
70.6	2.1	0.00	7.8					
280.400	52.6	-209.0	19.0	36.5	24.9	0.029	7.8	2.68
70.6	1.7	0.00	7.7					
280.500	49.3	-209.2	20.4	38.1	27.5	0.033	7.8	2.68
70.6	2.0	0.00	7.6					
280.600	46.7	-209.6	21.5	40.2	28.5	0.032	7.8	2.68
70.6	2.0	0.01	7.5					
280.700	45.1	-209.9	22.2	41.5	27.7	0.028	7.8	2.68
70.6	1.9	0.01	7.4					
280.800	43.5	-210.1	23.0	42.0	29.4	0.033	7.8	2.67
70.6	2.5	0.01	7.4					
280.900	41.5	-210.4	24.2	43.2	29.0	0.036	7.8	2.66
70.6	3.0	0.01	7.3					
281.000	39.7	-210.6	25.2	44.7	31.1	0.036	7.8	2.66
70.6	3.3	0.01	7.4					
281.100	38.3	-210.7	26.2	45.9	32.4	0.038	7.8	2.65
70.6	3.7	0.01	7.3					

281.200	36.7	-210.9	27.3	47.3	35.7	0.037	7.8	2.65
70.6	4.0	0.01	7.3					
281.300	34.7	-211.0	28.8	47.8	40.0	0.033	7.8	2.64
70.6	4.4	0.01	7.3					
281.400	34.4	-211.1	29.1	48.3	43.0	0.029	7.8	2.63
70.6	4.9	0.01	7.4					
281.500	33.7	-211.2	29.7	49.4	46.5	0.028	7.8	2.62
70.6	5.3	0.01	7.4					
281.600	33.1	-211.4	30.2	50.0	46.5	0.031	7.9	2.62
70.6	5.5	0.01	7.5					
281.700	32.3	-211.5	30.9	51.0	51.3	0.026	7.9	2.63
70.6	5.1	0.01	7.8					
281.800	32.8	-211.8	30.5	50.4	55.2	0.019	7.9	2.62
70.7	5.5	0.00	7.8					
281.900	33.0	-212.0	30.3	49.9	61.0	0.017	7.9	2.62
70.6	5.5	0.01	7.9					
282.000	32.9	-212.1	30.4	49.7	64.9	0.015	7.9	2.63
70.6	4.8	0.01	8.1					
282.100	32.4	-212.0	30.8	49.7	64.9	0.011	7.9	2.63
70.6	5.1	0.00	8.3					
282.200	33.3	-211.8	30.0	49.9	70.3	0.006	7.9	2.63
70.6	4.9	0.01	8.6					
282.300	33.8	-211.3	29.6	49.6	73.5	0.006	7.9	2.63
70.6	5.0	0.00	8.8					
282.400	34.2	-210.6	29.2	49.1	75.1	0.006	7.9	2.64
70.6	4.2	0.00	9.1					
282.500	34.1	-209.8	29.3	49.9	75.9	0.006	7.9	2.65
70.7	3.7	0.01	9.3					
282.600	34.3	-209.2	29.1	49.9	77.4	0.008	7.9	2.66
70.6	3.3	0.01	9.6					
282.700	34.9	-208.9	28.7	50.2	75.9	0.006	7.9	2.67
70.6	2.6	0.01	9.8					
282.800	34.9	-208.2	28.6	50.4	74.6	0.006	7.9	2.68
70.6	2.0	0.01	10.1					
282.900	35.5	-207.1	28.2	50.5	75.9	0.005	7.9	2.69
70.7	1.1	0.01	10.2					
283.000	36.0	-206.1	27.8	51.2	74.4	0.010	7.9	2.69
70.6	1.2	0.01	10.5					
283.100	36.9	-205.1	27.1	50.9	74.2	0.009	7.9	2.70
70.6	0.6	0.01	10.8					
283.200	37.2	-204.7	26.9	50.2	71.2	0.011	7.9	2.71
70.7	-0.0	0.01	11.0					
283.300	37.9	-204.5	26.4	50.2	68.1	0.014	7.9	2.72
70.6	-0.6	0.01	11.1					
283.400	38.2	-204.5	26.2	50.1	64.7	0.013	7.9	2.71
70.7	-0.1	0.01	11.4					
283.500	38.9	-204.4	25.7	49.4	63.4	0.014	7.9	2.71
70.6	-0.3	0.01	11.7					
283.600	39.4	-204.4	25.4	48.7	64.2	0.018	7.9	2.72
70.7	-0.6	0.01	12.2					
283.700	40.2	-204.4	24.9	47.3	64.0	0.018	7.9	2.71
70.7	-0.1	0.01	12.7					
283.800	41.0	-203.9	24.4	46.1	69.2	0.020	7.9	2.71
70.6	0.2	0.01	13.2					

283.900	41.1	-203.4	24.3	44.7	75.1	0.021	7.9	2.70
70.7	0.7	0.01	13.6					
284.000	40.5	-203.0	24.7	43.1	82.0	0.027	7.9	2.69
70.7	1.5	0.00	14.1					
284.100	39.6	-202.5	25.3	41.3	86.7	0.028	7.9	2.68
70.7	2.0	0.01	14.7					
284.200	39.3	-202.3	25.5	40.4	98.8	0.029	7.9	2.65
70.7	3.4	0.00	15.2					
284.300	39.4	-201.4	25.4	39.1	104.7	0.027	7.9	2.64
70.7	4.6	0.00	15.8					
284.400	39.9	-200.5	25.0	38.1	114.2	0.033	8.0	2.60
70.7	6.5	0.01	16.7					
284.500	39.8	-199.4	25.2	37.6	123.3	0.034	8.0	2.58
70.7	8.3	0.00	17.2					
284.600	39.1	-198.4	25.6	36.9	136.3	0.033	7.9	2.55
70.7	10.0	0.01	18.0					
284.700	37.9	-197.0	26.4	36.4	147.9	0.034	8.0	2.52
70.7	12.0	0.01	19.0					
284.800	37.5	-195.3	26.7	36.2	163.1	0.036	8.0	2.49
70.7	13.9	0.01	20.2					
284.900	37.6	-193.5	26.6	36.0	175.8	0.032	8.0	2.46
70.7	15.5	0.01	21.6					
285.000	37.8	-192.0	26.5	36.0	189.5	0.031	7.9	2.42
70.7	18.3	0.01	22.5					
285.100	37.6	-190.9	26.6	36.5	203.7	0.024	8.0	2.38
70.7	20.3	0.01	23.8					
285.200	37.8	-189.8	26.5	36.7	218.0	0.022	8.0	2.36
70.7	22.0	0.01	25.5					
285.300	38.0	-188.7	26.3	37.6	227.5	0.018	7.9	2.33
70.7	23.9	0.01	26.2					
285.400	39.3	-187.7	25.5	38.3	245.3	0.013	8.0	2.30
70.7	25.6	0.01	26.7					
285.500	39.8	-186.7	25.2	38.7	261.1	0.009	8.0	2.28
70.7	26.8	0.01	29.1					
285.600	40.6	-185.9	24.6	39.0	272.5	0.008	8.1	2.25
70.7	28.3	0.01	29.3					
285.700	40.9	-185.2	24.4	39.3	284.6	0.001	8.0	2.24
70.7	29.0	0.01	30.4					
285.800	41.2	-185.0	24.3	39.0	301.3	0.000	8.0	2.22
70.7	30.7	0.01	31.1					
285.900	41.3	-185.0	24.2	38.4	313.4	-0.006	8.0	2.20
70.7	31.4	0.01	31.2					
286.000	41.3	-185.3	24.2	37.6	334.2	-0.008	8.0	2.21
70.7	31.3	0.01	31.8					
286.100	42.3	-185.8	23.7	36.5	348.2	-0.004	8.0	2.20
70.7	31.8	0.01	33.5					
286.200	44.2	-186.5	22.7	35.4	368.5	-0.003	8.0	2.19
70.7	32.2	0.01	34.6					
286.300	46.0	-186.7	21.8	34.1	379.1	-0.003	8.0	2.19
70.7	32.4	0.00	34.8					
286.400	47.4	-186.7	21.1	32.7	391.3	0.002	7.9	2.19
70.7	32.1	0.00	35.0					
286.500	48.2	-186.7	20.7	31.5	402.1	0.007	8.0	2.20
70.7	31.8	0.01	35.3					

286.600	50.7	-186.7	19.8	30.2	405.5	0.005	8.0	2.21
70.7	31.1	0.01	34.6					
286.700	53.1	-186.8	18.9	28.7	407.7	0.011	8.1	2.21
70.7	30.8	0.01	33.7					
286.800	55.6	-186.7	18.0	27.5	406.8	0.011	8.2	2.23
70.7	29.7	0.01	33.9					
286.900	56.9	-186.6	17.6	26.2	399.0	0.013	8.2	2.24
70.7	29.0	0.01	33.9					
287.000	58.5	-186.4	17.1	25.0	390.6	0.015	8.1	2.25
70.7	28.6	0.01	32.1					
287.100	59.7	-186.1	16.7	23.4	383.7	0.012	8.1	2.26
70.7	27.8	0.01	32.9					
287.200	61.3	-185.6	16.3	22.0	371.6	0.015	8.1	2.27
70.7	27.1	0.01	32.5					
287.300	62.3	-184.8	16.1	20.7	357.3	0.015	8.2	2.30
70.7	25.5	0.01	32.0					
287.400	63.5	-184.3	15.8	19.6	340.0	0.011	8.2	2.32
70.7	24.1	0.01	32.3					
287.500	64.7	-183.9	15.5	18.6	316.9	0.012	8.1	2.33
70.7	23.6	0.00	32.1					
287.600	66.7	-183.3	15.0	17.6	295.2	0.012	8.1	2.34
70.7	23.2	0.00	30.6					
287.700	68.6	-182.6	14.6	16.6	268.4	0.008	8.1	2.35
70.7	22.3	0.00	29.4					
287.800	69.5	-181.8	14.4	15.8	247.0	0.005	8.1	2.37
70.7	21.4	0.00	29.0					
287.900	70.8	-180.8	14.1	15.1	223.6	0.008	8.2	2.38
70.7	20.3	0.00	28.1					
288.000	71.7	-179.5	14.0	14.5	200.3	0.010	8.2	2.40
70.7	19.1	0.01	27.6					
288.100	72.6	-178.2	13.8	14.0	186.9	0.010	8.2	2.41
70.7	18.7	0.00	27.7					
288.200	73.8	-176.8	13.6	13.6	172.4	0.009	8.2	2.42
70.7	18.1	0.00	27.4					
288.300	75.6	-175.4	13.2	13.3	163.3	0.010	8.2	2.42
70.7	17.8	0.01	27.1					
288.400	77.3	-174.1	12.9	13.1	150.8	0.012	8.1	2.43
70.7	17.6	0.01	26.9					
288.500	78.5	-172.9	12.7	13.1	136.9	0.015	8.2	2.42
70.7	18.0	0.01	26.7					
288.600	78.1	-171.9	12.8	13.0	130.9	0.012	8.2	2.42
70.7	17.8	0.01	25.7					
288.700	78.6	-171.1	12.7	13.0	121.6	0.012	8.2	2.42
70.7	18.0	0.00	25.4					
288.800	78.5	-170.4	12.7	13.0	114.2	0.011	8.2	2.41
70.7	18.4	0.00	25.0					
288.900	79.2	-169.8	12.6	13.0	111.0	0.013	8.1	2.41
70.7	18.6	0.00	24.4					
289.000	79.8	-169.5	12.5	13.1	107.7	0.016	8.1	2.41
70.7	18.5	0.01	24.0					
289.100	81.0	-169.4	12.4	13.2	105.5	0.018	8.1	2.42
70.7	17.9	0.00	24.0					
289.200	81.5	-169.6	12.3	13.2	102.5	0.017	8.1	2.42
70.7	18.1	0.00	23.5					

289.300	82.0	-170.0	12.2	13.3	99.5	0.010	8.1	2.43
70.7	17.6	0.00	23.0					
289.400	82.9	-170.5	12.1	13.4	98.8	0.011	8.1	2.43
70.7	17.3	0.00	22.9					
289.500	84.4	-171.5	11.8	13.5	98.6	0.012	8.1	2.44
70.7	17.1	0.00	22.5					
289.600	86.0	-172.5	11.6	13.6	95.6	0.010	8.1	2.45
70.7	16.1	0.01	22.3					
289.700	86.7	-173.5	11.5	13.7	90.6	0.009	8.0	2.46
70.7	15.7	0.01	22.4					
289.800	88.1	-174.5	11.4	13.8	89.8	0.010	8.0	2.47
70.7	14.7	0.01	22.3					
289.900	88.3	-175.6	11.3	13.9	88.5	0.018	8.0	2.49
70.7	14.0	0.00	22.3					
290.000	89.0	-176.6	11.2	14.0	89.3	0.016	8.0	2.51
70.7	12.7	0.00	22.7					
290.100	88.5	-177.8	11.3	14.2	91.9	0.012	8.0	2.51
70.7	12.1	0.00	22.6					
290.200	88.5	-179.1	11.3	14.4	91.5	0.012	8.0	2.53
70.7	11.3	0.01	22.7					
290.300	88.7	-180.2	11.3	14.5	91.1	0.012	8.0	2.54
70.7	10.5	0.01	22.8					
290.400	89.5	-181.1	11.2	14.7	91.7	0.010	8.0	2.55
70.7	9.9	0.01	22.9					
290.500	90.1	-182.0	11.1	14.8	90.0	0.011	8.0	2.56
70.7	9.3	0.01	22.9					
290.600	89.4	-182.8	11.2	15.0	88.9	0.017	8.0	2.57
70.7	8.6	0.01	22.6					
290.700	87.9	-184.0	11.4	15.2	91.1	0.019	8.0	2.59
70.7	7.5	0.01	22.9					
290.800	87.1	-184.6	11.5	15.2	90.6	0.020	8.0	2.60
70.7	7.0	0.01	23.2					
290.900	86.7	-186.2	11.5	15.4	91.1	0.023	8.0	2.60
70.7	6.9	0.01	23.5					
291.000	86.7	-186.1	11.5	15.6	88.9	0.024	8.0	2.60
70.7	6.8	0.01	23.8					
291.100	85.4	-185.7	11.7	15.8	90.4	0.022	8.0	2.60
70.7	6.9	0.01	23.6					
291.200	84.9	-185.3	11.8	16.0	93.0	0.017	8.0	2.60
70.7	6.9	0.01	23.5					
291.300	84.0	-184.6	11.9	16.2	89.5	0.017	8.0	2.60
70.7	6.8	0.01	23.5					
291.400	83.7	-184.0	11.9	16.3	91.5	0.023	8.0	2.61
70.7	6.3	0.01	23.9					
291.500	82.5	-183.6	12.1	16.5	94.9	0.026	8.0	2.62
70.7	5.8	0.01	23.3					
291.600	81.4	-183.2	12.3	16.6	92.6	0.028	8.0	2.62
70.7	5.7	0.01	23.2					
291.700	79.6	-182.4	12.6	16.6	91.1	0.027	8.0	2.63
70.7	5.3	0.01	22.9					
291.800	77.7	-181.5	12.9	16.7	93.2	0.027	8.0	2.63
70.7	4.9	0.01	22.7					
291.900	76.6	-181.6	13.1	16.8	92.6	0.026	8.0	2.63
70.7	4.9	0.01	22.2					

292.000	75.7	-180.6	13.2	16.7	93.9	0.023	8.0	2.63
70.7	4.7	0.01	22.5					
292.100	74.6	-181.3	13.4	16.9	97.3	0.024	8.0	2.63
70.7	4.8	0.01	22.4					
292.200	73.9	-182.6	13.5	17.0	95.2	0.025	8.0	2.63
70.7	5.2	0.01	22.5					
292.300	73.3	-183.3	13.7	17.1	97.8	0.023	8.0	2.62
70.7	5.5	0.01	22.5					
292.400	73.1	-183.9	13.7	17.2	99.9	0.025	8.0	2.62
70.7	5.5	0.01	22.3					
292.500	72.4	-184.5	13.8	17.2	101.7	0.028	8.0	2.62
70.7	5.6	0.01	21.9					
292.600	71.1	-185.1	14.1	17.4	101.4	0.027	8.0	2.62
70.7	5.9	0.01	22.3					
292.700	70.5	-185.6	14.2	17.6	101.9	0.026	8.0	2.61
70.7	5.9	0.01	22.1					
292.800	69.8	-186.1	14.3	17.5	104.7	0.024	8.0	2.61
70.7	6.3	0.01	21.6					
292.900	68.8	-186.2	14.5	17.5	104.5	0.026	8.0	2.60
70.7	7.0	0.01	21.5					
293.000	67.5	-185.9	14.8	17.6	98.0	0.026	8.0	2.59
70.7	7.3	0.01	21.8					
293.100	67.4	-185.6	14.8	17.8	95.6	0.024	8.0	2.59
70.7	7.5	0.01	22.0					
293.200	68.0	-185.1	14.7	17.9	95.2	0.024	8.0	2.59
70.7	7.4	0.01	22.4					
293.300	69.1	-184.4	14.5	17.9	94.5	0.025	8.0	2.58
70.7	8.0	0.01	22.6					
293.400	69.0	-184.4	14.5	18.0	95.6	0.022	8.0	2.58
70.7	8.2	0.01	22.9					
293.500	68.7	-184.7	14.6	18.1	97.8	0.018	8.0	2.57
70.7	8.6	0.01	22.4					
293.600	67.8	-184.9	14.7	18.1	95.6	0.021	8.0	2.57
70.7	9.0	0.01	22.1					
293.700	67.4	-184.9	14.8	18.1	99.9	0.022	8.0	2.57
70.7	8.9	0.01	21.7					
293.800	67.8	-184.9	14.7	18.0	97.8	0.021	8.0	2.56
70.7	9.4	0.01	21.7					
293.900	68.0	-184.9	14.7	18.1	95.8	0.025	7.9	2.55
70.7	10.2	0.01	21.5					
294.000	68.3	-185.0	14.6	18.1	94.3	0.022	8.0	2.54
70.7	10.4	0.01	22.1					
294.100	67.6	-185.1	14.8	18.2	96.9	0.021	7.9	2.54
70.7	10.8	0.01	21.7					
294.200	68.1	-185.2	14.7	18.4	97.3	0.020	8.0	2.53
70.7	11.4	0.01	21.4					
294.300	67.2	-185.5	14.9	18.5	93.0	0.019	8.0	2.52
70.7	11.7	0.01	21.7					
294.400	67.7	-186.1	14.8	18.7	90.8	0.021	8.0	2.51
70.7	12.4	0.01	21.4					
294.500	67.1	-186.7	14.9	18.9	95.2	0.018	8.0	2.51
70.7	12.6	0.01	21.0					
294.600	68.2	-187.1	14.7	18.9	94.7	0.015	8.0	2.50
70.7	13.3	0.01	21.2					

294.700	68.3	-187.7	14.6	19.1	96.9	0.013	8.0	2.48
70.7	14.3	0.01	20.7					
294.800	68.4	-188.7	14.6	19.2	96.2	0.013	7.9	2.48
70.7	14.3	0.01	20.6					
294.900	67.7	-189.7	14.8	19.2	95.8	0.009	8.0	2.49
70.7	14.0	0.01	20.5					
295.000	67.5	-190.5	14.8	19.4	90.0	0.009	8.0	2.48
70.7	14.5	0.01	20.6					
295.100	67.1	-191.1	14.9	19.4	89.3	0.005	8.0	2.48
70.7	14.1	0.01	21.0					
295.200	67.4	-191.9	14.8	19.4	85.4	0.006	8.0	2.48
70.7	14.3	0.01	21.4					
295.300	68.3	-192.8	14.7	19.4	85.0	0.007	8.0	2.48
70.7	14.4	0.01	21.4					
295.400	68.8	-193.7	14.5	19.4	82.4	0.006	8.0	2.48
70.7	14.0	0.01	21.5					
295.500	69.2	-194.6	14.4	19.2	83.5	0.004	8.0	2.49
70.7	13.7	0.01	20.9					
295.600	70.0	-195.3	14.3	19.1	80.9	0.009	8.0	2.50
70.7	13.3	0.01	21.1					
295.700	70.9	-196.0	14.1	18.9	80.0	0.008	8.0	2.50
70.7	13.0	0.01	21.6					
295.800	70.8	-196.6	14.1	18.6	85.0	0.011	8.0	2.50
70.7	13.0	0.01	22.1					
295.900	69.9	-196.8	14.3	18.3	88.5	0.013	8.0	2.51
70.7	12.5	0.01	21.9					
296.000	69.6	-197.0	14.4	18.0	84.8	0.017	8.0	2.51
70.7	12.5	0.01	22.4					
296.100	69.6	-197.1	14.4	17.7	86.5	0.020	8.0	2.52
70.7	11.9	0.01	22.6					
296.200	69.4	-197.5	14.4	17.4	88.5	0.022	8.0	2.52
70.7	11.8	0.01	23.1					
296.300	69.1	-197.8	14.5	17.1	90.2	0.020	8.0	2.52
70.7	11.6	0.01	23.6					
296.400	69.7	-198.1	14.4	17.0	91.3	0.022	8.0	2.51
70.7	12.2	0.01	23.7					
296.500	69.9	-198.1	14.3	16.9	96.2	0.018	8.0	2.52
70.7	11.8	0.01	24.2					
296.600	69.6	-197.7	14.4	17.0	97.1	0.017	8.0	2.51
70.7	12.5	0.01	24.1					
296.700	69.6	-196.9	14.4	17.1	99.9	0.020	8.0	2.51
70.7	12.5	0.01	24.1					
296.800	69.6	-196.3	14.4	17.2	104.7	0.020	8.0	2.51
70.7	12.4	0.01	24.5					
296.900	70.8	-195.8	14.1	17.3	109.9	0.018	8.0	2.51
70.7	12.5	0.01	24.7					
297.000	70.9	-195.6	14.1	17.5	111.2	0.017	8.0	2.50
70.7	12.8	0.01	25.1					
297.100	70.9	-195.0	14.1	17.6	111.2	0.016	8.0	2.50
70.7	13.3	0.00	25.2					
297.200	70.5	-194.6	14.2	17.7	109.4	0.015	8.0	2.49
70.8	13.4	0.01	25.0					
297.300	69.8	-194.0	14.3	17.8	106.0	0.014	8.0	2.49
70.7	13.8	0.00	24.6					

297.400	69.6	-193.4	14.4	17.9	105.8	0.010	8.0	2.49
70.7	13.6	0.00	24.9					
297.500	69.6	-192.6	14.4	18.0	108.6	0.013	7.9	2.49
70.8	13.8	0.01	24.8					
297.600	70.2	-192.2	14.3	18.0	106.8	0.013	8.0	2.49
70.7	13.7	0.01	24.4					
297.700	71.0	-192.4	14.1	17.9	106.2	0.014	8.0	2.49
70.8	13.8	0.01	24.4					
297.800	70.5	-193.0	14.2	17.9	104.5	0.014	8.0	2.48
70.7	14.2	0.01	24.0					
297.900	70.7	-193.6	14.2	17.9	99.9	0.013	8.0	2.49
70.8	13.7	0.01	24.0					
298.000	70.1	-193.9	14.3	17.9	96.0	0.013	8.0	2.49
70.7	13.5	0.01	23.6					
298.100	70.0	-194.1	14.3	17.8	94.9	0.013	8.0	2.49
70.8	13.5	0.01	23.5					
298.200	70.0	-195.0	14.3	17.8	92.1	0.011	8.0	2.49
70.8	13.4	0.01	23.3					
298.300	70.5	-196.1	14.2	17.9	89.8	0.011	8.0	2.49
70.7	13.5	0.01	23.0					
298.400	71.2	-197.1	14.0	18.0	85.0	0.009	8.0	2.50
70.7	13.3	0.01	22.9					
298.500	71.1	-198.3	14.1	17.9	82.8	0.010	8.0	2.50
70.7	13.3	0.01	22.3					
298.600	71.3	-199.7	14.0	18.0	83.7	0.010	8.0	2.50
70.8	13.0	0.01	22.3					
298.700	71.8	-201.0	13.9	18.0	85.4	0.010	8.0	2.50
70.8	13.0	0.01	21.9					
298.800	72.3	-201.9	13.8	18.2	89.3	0.005	8.0	2.50
70.8	12.9	0.01	21.6					
298.900	72.6	-202.5	13.8	18.2	88.2	0.005	8.0	2.50
70.8	13.2	0.01	21.6					
299.000	71.7	-203.1	13.9	18.1	88.5	0.002	8.0	2.50
70.8	12.9	0.01	21.5					
299.100	71.2	-203.8	14.0	18.0	91.1	0.005	8.0	2.50
70.8	13.1	0.01	21.1					
299.200	69.9	-204.7	14.3	18.0	91.1	0.008	8.0	2.51
70.8	12.7	0.01	20.8					
299.300	69.9	-204.3	14.3	17.9	94.5	0.004	8.0	2.51
70.8	12.6	0.01	20.7					
299.400	69.6	-203.5	14.4	17.9	102.3	0.001	8.0	2.50
70.8	13.0	0.01	20.8					
299.500	70.8	-202.7	14.1	17.8	104.7	0.001	8.0	2.50
70.8	13.3	0.01	21.0					
299.600	71.0	-201.5	14.1	17.7	109.2	0.001	8.0	2.50
70.8	13.2	0.01	21.1					
299.700	70.9	-200.0	14.1	17.6	112.7	0.000	8.0	2.49
70.8	13.4	0.01	21.1					
299.800	70.8	-198.7	14.1	17.8	114.2	-0.001	8.0	2.50
70.8	12.9	0.01	21.2					
299.900	70.6	-197.6	14.2	17.8	116.8	0.000	8.0	2.51
70.8	12.6	0.01	21.1					
300.000	70.6	-196.6	14.2	17.9	116.4	0.005	8.0	2.51
70.8	12.6	0.01	21.8					

300.100	70.3	-195.3	14.2	18.0	114.6	0.005	8.0	2.50
70.8	13.0	0.01	21.4					
300.200	70.7	-194.0	14.2	18.1	113.5	0.004	8.0	2.50
70.8	12.9	0.01	21.5					
300.300	70.5	-192.3	14.2	18.2	109.2	0.007	8.0	2.50
70.8	13.2	0.01	21.6					
300.400	70.2	-191.6	14.2	18.2	107.5	0.003	8.0	2.50
70.8	13.3	0.01	21.4					
300.500	70.0	-191.3	14.3	18.3	106.4	0.002	8.0	2.49
70.8	13.7	0.01	21.4					
300.600	70.2	-191.5	14.2	18.4	105.1	0.002	8.0	2.49
70.8	13.9	0.01	21.7					
300.700	69.9	-192.2	14.3	18.3	104.2	0.004	8.0	2.49
70.8	13.7	0.01	21.8					
300.800	69.9	-193.5	14.3	18.2	97.8	0.007	8.0	2.49
70.8	13.4	0.01	21.7					
300.900	70.0	-194.6	14.3	18.1	94.3	0.009	8.0	2.49
70.8	13.8	0.01	21.5					
301.000	70.1	-195.6	14.3	18.1	95.4	0.009	8.0	2.49
70.8	13.9	0.01	21.4					
301.100	70.0	-196.5	14.3	18.0	91.1	0.008	8.0	2.49
70.8	13.8	0.01	21.0					
301.200	70.4	-197.7	14.2	17.9	88.2	0.006	8.0	2.49
70.8	13.7	0.01	21.3					
301.300	70.5	-199.0	14.2	17.6	84.8	0.003	8.0	2.48
70.8	14.0	0.01	21.0					
301.400	70.9	-200.4	14.1	17.6	85.9	0.004	8.0	2.47
70.8	14.7	0.01	20.9					
301.500	70.2	-201.9	14.2	17.3	85.9	0.004	8.0	2.47
70.8	14.9	0.01	20.6					
301.600	70.3	-203.3	14.2	17.2	85.4	0.001	7.9	2.47
70.8	14.8	0.01	21.1					
301.700	70.5	-204.1	14.2	17.3	85.6	0.004	8.0	2.47
70.8	14.9	0.01	21.5					
301.800	70.6	-204.2	14.2	17.3	87.4	0.004	8.0	2.48
70.8	14.1	0.01	21.5					
301.900	70.2	-203.7	14.2	17.4	89.8	0.007	7.9	2.48
70.8	14.1	0.01	21.5					
302.000	70.2	-203.1	14.2	17.5	91.5	0.006	8.0	2.48
70.8	14.1	0.01	21.5					
302.100	69.9	-202.5	14.3	17.5	92.4	0.003	8.0	2.49
70.8	13.8	0.01	21.6					
302.200	70.2	-201.6	14.2	17.6	91.1	0.002	8.0	2.49
70.8	13.7	0.01	22.6					
302.300	69.8	-200.7	14.3	17.6	96.2	0.007	8.0	2.49
70.8	13.6	0.01	22.8					
302.400	70.0	-199.8	14.3	17.6	94.9	0.010	8.0	2.50
70.8	12.9	0.01	23.3					
302.500	69.5	-199.1	14.4	17.6	92.4	0.014	8.0	2.51
70.8	12.5	0.01	23.5					
302.600	69.0	-198.3	14.5	17.7	92.6	0.016	8.0	2.51
70.8	12.4	0.01	23.9					
302.700	68.8	-197.6	14.5	17.9	94.1	0.015	8.0	2.51
70.8	12.4	0.01	24.0					

302.800	69.3	-196.9	14.4	18.0	94.9	0.017	8.0	2.52
70.8	11.8	0.01	24.1					
302.900	69.1	-196.4	14.5	18.1	93.9	0.020	8.0	2.53
70.8	11.2	0.01	24.6					
303.000	70.0	-196.2	14.3	18.3	92.6	0.021	8.0	2.53
70.8	10.9	0.01	24.5					
303.100	69.9	-196.1	14.3	18.4	93.4	0.018	7.9	2.54
70.8	10.7	0.01	24.4					
303.200	70.6	-195.8	14.2	18.6	91.7	0.015	8.0	2.54
70.8	10.5	0.01	24.3					
303.300	69.9	-195.8	14.3	18.7	88.7	0.016	8.0	2.54
70.8	10.6	0.01	24.5					
303.400	70.2	-196.1	14.3	18.6	85.9	0.017	8.0	2.55
70.8	9.8	0.01	24.4					
303.500	69.8	-196.4	14.3	18.7	85.0	0.017	8.0	2.56
70.8	9.4	0.01	24.5					
303.600	68.8	-196.2	14.5	18.8	85.9	0.017	8.0	2.56
70.8	9.1	0.01	24.5					
303.700	68.1	-196.0	14.7	18.8	85.4	0.018	8.0	2.55
70.8	9.9	0.01	23.3					
303.800	67.9	-195.9	14.7	18.8	86.9	0.013	8.0	2.55
70.8	10.2	0.01	23.7					
303.900	68.4	-196.4	14.6	18.7	89.5	0.009	8.0	2.55
70.8	10.0	0.01	23.5					
304.000	68.5	-197.1	14.6	18.8	92.1	0.013	8.0	2.55
70.8	9.7	0.01	23.4					
304.100	68.7	-197.6	14.6	18.8	94.3	0.017	8.0	2.56
70.8	9.5	0.01	23.4					
304.200	68.8	-197.8	14.5	18.9	91.3	0.015	8.0	2.56
70.8	9.5	0.01	23.3					
304.300	68.5	-197.9	14.6	18.8	92.8	0.015	8.0	2.55
70.8	9.9	0.01	23.9					
304.400	68.2	-197.8	14.7	18.8	95.4	0.020	8.0	2.55
70.8	10.2	0.01	23.5					
304.500	68.7	-197.7	14.6	18.7	98.0	0.020	7.9	2.54
70.8	10.5	0.01	23.6					
304.600	68.4	-197.6	14.6	18.6	94.9	0.018	8.0	2.54
70.8	10.8	0.01	23.6					
304.700	68.5	-197.6	14.6	18.5	98.4	0.015	8.0	2.54
70.8	10.8	0.01	23.5					
304.800	67.8	-197.6	14.7	18.4	102.5	0.015	7.9	2.54
70.8	10.6	0.01	23.9					
304.900	68.4	-197.7	14.6	18.4	105.1	0.016	8.0	2.54
70.8	10.8	0.01	24.0					
305.000	68.4	-197.3	14.6	18.4	104.0	0.014	8.0	2.54
70.8	10.8	0.01	24.1					
305.100	68.6	-197.0	14.6	18.4	102.7	0.018	8.0	2.53
70.8	11.2	0.01	24.4					
305.200	67.9	-196.8	14.7	18.5	102.3	0.017	8.0	2.53
70.8	11.1	0.01	24.8					
305.300	67.6	-196.7	14.8	18.7	102.5	0.013	8.0	2.53
70.8	11.2	0.01	25.0					
305.400	67.5	-196.4	14.8	18.8	101.7	0.009	8.0	2.53
70.8	11.5	0.01	25.4					

305.500	68.1	-196.0	14.7	18.8	100.8	0.011	8.0	2.52
70.8	12.0	0.01	25.5					
305.600	68.6	-195.6	14.6	18.8	101.9	0.008	8.0	2.52
70.8	12.1	0.01	25.4					
305.700	68.7	-195.4	14.5	18.8	102.7	0.006	8.0	2.51
70.8	12.5	0.01	25.7					
305.800	68.3	-195.4	14.6	18.9	101.4	0.004	8.0	2.51
70.8	12.7	0.01	25.3					
305.900	67.8	-195.6	14.7	18.9	104.5	0.006	8.0	2.50
70.8	12.8	0.01	25.1					
306.000	67.6	-195.9	14.8	18.8	105.1	0.007	8.0	2.51
70.8	12.5	0.01	25.2					
306.100	68.0	-196.3	14.7	18.7	110.3	0.005	8.0	2.52
70.8	12.1	0.01	25.3					
306.200	68.4	-196.4	14.6	18.7	111.4	0.004	7.9	2.51
70.8	12.2	0.01	25.2					
306.300	69.1	-196.0	14.5	18.7	109.9	0.001	8.0	2.51
70.8	12.4	0.01	25.1					
306.400	69.0	-195.7	14.5	18.7	111.6	-0.000	8.0	2.51
70.8	12.5	0.01	25.4					
306.500	69.2	-195.6	14.4	18.4	114.0	0.002	8.0	2.51
70.8	12.4	0.01	25.1					
306.600	69.1	-195.4	14.5	18.3	114.0	0.003	8.0	2.51
70.8	12.7	0.01	24.8					
306.700	69.5	-195.2	14.4	18.1	117.7	0.003	8.0	2.51
70.8	12.3	0.01	24.7					
306.800	70.0	-194.9	14.3	17.9	114.6	0.002	8.0	2.51
70.8	12.3	0.01	24.2					
306.900	69.6	-194.5	14.4	17.8	115.1	0.002	8.0	2.50
70.8	12.8	0.01	23.9					
307.000	69.3	-193.9	14.4	17.8	115.1	0.001	8.0	2.50
70.8	12.8	0.01	23.6					
307.100	68.4	-193.0	14.6	17.7	113.8	0.003	8.0	2.50
70.8	12.9	0.01	23.5					
307.200	68.5	-191.9	14.6	17.8	115.5	0.001	8.0	2.51
70.8	12.3	0.01	23.4					
307.300	68.5	-190.9	14.6	17.9	115.7	0.002	8.0	2.51
70.8	12.2	0.01	23.4					
307.400	69.2	-190.5	14.4	17.9	109.2	0.002	7.9	2.52
70.8	11.7	0.01	23.5					
307.500	69.2	-190.1	14.4	18.0	108.1	0.003	8.0	2.52
70.8	11.5	0.01	23.8					
307.600	69.2	-189.9	14.5	18.2	105.1	0.002	8.0	2.52
70.8	12.0	0.01	23.6					
307.700	69.2	-189.9	14.5	18.2	101.0	0.001	8.0	2.51
70.8	12.2	0.01	24.1					
307.800	69.3	-190.1	14.4	18.3	103.6	-0.000	8.0	2.51
70.8	12.2	0.01	23.8					
307.900	69.3	-190.2	14.4	18.3	103.0	-0.001	8.0	2.52
70.9	11.9	0.01	23.8					
308.000	69.6	-190.4	14.4	18.2	103.4	0.001	8.0	2.51
70.8	12.4	0.01	23.7					
308.100	70.1	-190.7	14.3	18.3	100.8	-0.002	8.0	2.52
70.8	11.7	0.01	23.4					

308.200	70.1	-191.2	14.3	18.4	98.4	0.002	8.0	2.52
70.8	11.9	0.01	23.4					
308.300	70.1	-191.8	14.3	18.3	96.2	0.003	8.0	2.51
70.8	12.2	0.01	23.6					
308.400	70.5	-192.6	14.2	18.3	96.9	0.001	8.0	2.51
70.8	12.1	0.01	23.9					
308.500	71.1	-193.5	14.1	18.3	96.5	0.001	8.0	2.52
70.8	11.9	0.01	23.8					
308.600	70.8	-194.5	14.1	18.3	93.0	0.001	7.9	2.52
70.9	11.7	0.01	23.7					
308.700	70.5	-195.1	14.2	18.3	91.5	0.004	8.0	2.52
70.9	11.6	0.01	23.7					
308.800	69.8	-195.6	14.3	18.3	93.7	0.006	8.0	2.53
70.8	11.3	0.01	23.3					
308.900	69.4	-196.2	14.4	18.3	96.0	0.009	8.0	2.53
70.9	11.3	0.01	23.4					
309.000	69.6	-196.4	14.4	18.3	93.9	0.011	8.0	2.53
70.9	11.3	0.01	23.2					
309.100	69.8	-196.5	14.3	18.3	95.6	0.012	8.0	2.53
70.9	11.4	0.01	23.4					
309.200	70.5	-196.3	14.2	18.3	98.0	0.008	8.0	2.53
70.9	11.0	0.01	23.3					
309.300	70.2	-196.2	14.2	18.3	96.2	0.007	8.0	2.54
70.8	10.8	0.01	23.0					
309.400	70.2	-196.0	14.2	18.3	94.5	0.009	8.0	2.53
70.9	11.2	0.01	23.1					
309.500	70.0	-195.8	14.3	18.2	96.7	0.006	8.0	2.54
70.9	10.8	0.01	24.0					
309.600	70.2	-195.4	14.2	18.2	99.9	0.008	8.0	2.53
70.9	11.0	0.01	24.2					
309.700	69.8	-195.1	14.3	18.2	101.7	0.011	8.0	2.53
70.9	11.1	0.01	24.2					
309.800	69.7	-195.2	14.3	18.1	105.1	0.012	7.9	2.54
70.9	10.8	0.01	24.1					
309.900	69.6	-195.0	14.4	18.2	105.5	0.011	8.0	2.54
70.9	10.7	0.01	23.7					
310.000	69.6	-194.7	14.4	18.3	106.0	0.009	8.0	2.54
70.9	10.6	0.01	24.0					
310.100	69.4	-194.6	14.4	18.4	109.4	0.005	8.0	2.54
70.9	10.4	0.01	24.5					
310.200	68.5	-194.6	14.6	18.6	110.1	0.004	8.0	2.54
70.9	10.7	0.00	24.3					
310.300	68.3	-194.7	14.6	18.6	107.1	0.002	8.0	2.54
70.9	10.9	0.01	24.8					
310.400	68.6	-194.8	14.6	18.5	104.5	0.002	8.0	2.53
70.9	11.3	0.01	24.7					
310.500	69.3	-195.0	14.4	18.6	108.8	0.003	8.0	2.52
70.9	11.8	0.01	24.8					
310.600	68.9	-195.1	14.5	18.5	109.9	-0.001	8.0	2.53
70.9	11.4	0.01	24.7					
310.700	68.4	-195.0	14.6	18.5	106.2	-0.001	8.0	2.54
70.9	10.8	0.01	24.5					
310.800	68.4	-195.1	14.6	18.5	107.1	0.007	8.0	2.53
70.9	11.1	0.01	24.8					

310.900	69.3	-195.0	14.4	18.4	109.2	0.004	8.0	2.53
70.9	11.2	0.01	24.9					
311.000	69.6	-195.1	14.4	18.5	107.9	-0.001	7.9	2.53
70.9	11.3	0.01	24.8					
311.100	70.1	-195.3	14.3	18.5	106.8	-0.001	8.0	2.53
70.9	11.3	0.01	25.1					
311.200	70.2	-195.4	14.3	18.5	106.0	0.001	8.0	2.53
70.9	10.9	0.01	25.1					
311.300	69.6	-195.6	14.4	18.5	107.3	0.002	8.0	2.54
70.9	10.6	0.01	25.2					
311.400	68.5	-195.6	14.6	18.4	104.0	0.001	8.0	2.55
70.9	10.0	0.01	25.7					
311.500	67.9	-195.6	14.7	18.3	105.3	0.001	8.0	2.55
70.9	10.0	0.01	25.6					
311.600	68.1	-195.5	14.7	18.2	106.4	0.003	8.0	2.55
70.9	10.1	0.01	25.5					
311.700	68.6	-195.5	14.6	18.1	108.1	0.005	8.0	2.55
70.9	10.0	0.01	25.7					
311.800	68.7	-195.5	14.6	18.2	109.0	0.007	8.0	2.55
70.9	10.1	0.01	25.4					
311.900	69.2	-195.5	14.4	18.1	110.5	0.011	8.0	2.55
70.9	10.0	0.01	25.6					
312.000	69.4	-195.6	14.4	18.1	109.2	0.011	8.0	2.56
70.9	9.2	0.01	25.7					
312.100	70.1	-195.7	14.3	18.2	109.0	0.004	8.0	2.56
70.9	9.4	0.01	26.1					
312.200	69.7	-195.7	14.3	18.1	112.5	0.003	8.0	2.54
70.9	10.3	0.01	26.0					
312.300	69.6	-195.7	14.4	18.2	111.0	0.005	8.0	2.54
70.9	10.3	0.01	26.3					
312.400	69.1	-195.5	14.5	18.1	111.6	0.007	8.0	2.54
70.9	10.5	0.01	26.3					
312.500	69.3	-195.4	14.4	18.0	108.6	0.005	8.0	2.54
70.9	10.7	0.01	25.8					
312.600	70.3	-195.4	14.2	18.0	110.5	0.003	8.0	2.53
70.9	10.9	0.01	26.0					
312.700	71.6	-195.2	14.0	17.9	107.9	0.003	8.0	2.53
70.9	11.1	0.01	25.9					
312.800	71.7	-195.1	13.9	17.8	107.7	0.002	8.0	2.53
70.9	11.2	0.01	26.0					
312.900	70.7	-194.9	14.1	17.9	111.2	-0.000	7.9	2.52
70.9	11.8	0.01	25.1					
313.000	69.9	-194.6	14.3	17.8	114.4	-0.000	8.0	2.52
70.9	11.9	0.01	25.6					
313.100	69.5	-194.2	14.4	17.8	113.8	-0.001	8.0	2.52
70.9	12.0	0.01	25.5					
313.200	68.7	-193.9	14.6	17.7	110.3	-0.001	8.0	2.52
70.9	12.0	0.01	25.2					
313.300	68.4	-193.8	14.6	17.6	111.8	-0.001	8.0	2.52
70.9	12.0	0.01	25.4					
313.400	68.5	-193.7	14.6	17.8	110.5	-0.001	8.0	2.52
70.9	11.6	0.01	25.4					
313.500	69.6	-193.7	14.4	17.8	111.8	0.005	8.0	2.53
70.9	11.5	0.01	25.0					

313.600	69.5	-193.8	14.4	17.8	114.8	0.007	8.0	2.53
70.9	11.1	0.01	24.7					
313.700	69.7	-193.9	14.3	17.9	117.0	0.006	8.0	2.54
70.9	10.6	0.01	24.9					
313.800	69.0	-194.0	14.5	18.0	118.3	0.008	8.0	2.54
70.9	10.5	0.01	24.7					
313.900	69.0	-194.2	14.5	18.2	119.2	0.009	8.0	2.55
70.9	10.0	0.01	24.7					
314.000	68.8	-194.3	14.5	18.3	119.4	0.009	8.0	2.55
70.9	9.8	0.01	24.7					
314.100	69.0	-194.5	14.5	18.2	116.1	0.008	7.9	2.55
70.9	9.9	0.01	24.5					
314.200	69.2	-194.7	14.5	18.1	119.2	0.007	8.0	2.56
70.9	9.6	0.01	24.7					
314.300	69.3	-194.8	14.4	18.2	121.1	0.008	8.0	2.56
70.9	9.3	0.01	24.8					
314.400	69.9	-195.0	14.3	18.2	118.1	0.010	8.0	2.57
70.9	8.9	0.01	25.6					
314.500	69.9	-195.1	14.3	18.1	114.4	0.012	8.0	2.56
70.9	9.1	0.01	25.3					
314.600	70.1	-195.1	14.3	18.1	114.0	0.011	8.0	2.57
70.9	8.6	0.01	25.2					
314.700	69.4	-195.2	14.4	18.1	119.0	0.014	8.0	2.57
70.9	8.5	0.01	25.7					
314.800	69.3	-195.3	14.4	18.1	122.6	0.010	8.0	2.57
70.9	8.8	0.01	25.6					
314.900	69.2	-195.2	14.5	18.2	125.2	0.006	8.0	2.57
70.9	8.8	0.01	25.7					
315.000	69.9	-195.3	14.3	18.2	124.4	0.010	8.0	2.56
70.9	9.1	0.01	25.9					
315.100	69.5	-195.3	14.4	18.2	121.3	0.008	8.0	2.56
70.9	9.3	0.01	26.1					
315.200	69.8	-195.5	14.3	18.3	119.0	0.010	8.0	2.56
70.9	9.3	0.01	25.8					
315.300	69.3	-195.6	14.4	18.5	120.9	0.012	8.0	2.55
70.9	10.0	0.01	25.5					
315.400	69.3	-195.7	14.4	18.6	117.0	0.009	8.0	2.54
70.9	10.4	0.01	25.5					
315.500	68.7	-195.8	14.6	18.9	117.9	0.010	8.0	2.54
70.9	10.3	0.01	25.4					
315.600	69.1	-195.9	14.5	19.0	120.9	0.008	8.0	2.54
70.9	10.3	0.01	25.3					
315.700	68.9	-196.1	14.5	19.0	122.6	0.004	8.0	2.54
70.9	10.6	0.01	25.1					
315.800	69.1	-196.1	14.5	19.1	117.4	0.004	8.0	2.54
70.9	10.7	0.01	24.7					
315.900	68.9	-196.1	14.5	19.2	117.4	0.007	8.0	2.53
70.9	11.4	0.01	24.4					
316.000	69.1	-196.3	14.5	19.1	121.3	0.003	8.0	2.53
70.9	11.3	0.01	24.3					
316.100	69.2	-196.3	14.4	18.9	122.2	0.002	8.0	2.51
70.9	12.1	0.01	24.2					
316.200	69.0	-196.4	14.5	18.8	119.0	0.003	8.0	2.52
70.9	12.1	0.01	23.4					

316.300	68.5	-196.4	14.6	18.8	114.6	0.000	8.0	2.52
70.9	11.8	0.01	23.5					
316.400	68.7	-196.4	14.6	18.8	112.3	0.002	8.0	2.51
70.9	12.4	0.01	23.1					
316.500	68.3	-196.4	14.6	18.8	112.3	-0.002	8.0	2.51
70.9	12.3	0.01	23.0					
316.600	68.2	-196.4	14.7	18.6	110.1	-0.004	8.0	2.51
70.9	12.6	0.01	22.7					
316.700	67.9	-196.5	14.7	18.6	109.9	-0.003	8.0	2.51
70.9	12.6	0.01	22.7					
316.800	68.4	-196.5	14.6	18.6	109.9	0.001	8.0	2.51
70.9	12.3	0.01	22.9					
316.900	68.5	-196.5	14.6	18.5	111.8	-0.001	8.0	2.52
70.9	12.0	0.01	22.9					
317.000	68.4	-196.5	14.6	18.5	112.0	-0.000	8.0	2.51
70.9	12.3	0.01	22.9					
317.100	67.9	-196.5	14.7	18.4	111.2	-0.002	8.0	2.52
70.9	11.6	0.01	23.1					
317.200	68.4	-196.4	14.6	18.4	110.3	-0.000	7.9	2.52
70.9	11.9	0.01	23.5					
317.300	69.0	-196.4	14.5	18.4	110.7	-0.001	8.0	2.52
70.9	11.9	0.01	23.4					
317.400	69.5	-196.2	14.4	18.4	111.8	0.001	8.0	2.52
70.9	11.5	0.01	23.3					
317.500	68.5	-196.0	14.6	18.4	107.1	0.003	8.0	2.53
70.9	11.3	0.01	23.4					
317.600	67.8	-195.7	14.7	18.5	107.5	0.003	8.0	2.53
70.9	11.1	0.01	23.8					
317.700	67.4	-195.5	14.8	18.5	109.7	0.002	8.0	2.53
70.9	11.0	0.01	24.0					
317.800	67.2	-195.3	14.9	18.5	111.2	0.005	7.9	2.54
70.9	10.8	0.01	23.5					
317.900	67.1	-195.1	14.9	18.4	111.8	0.009	8.0	2.54
70.9	10.7	0.01	23.8					
318.000	67.0	-195.0	14.9	18.4	113.1	0.011	8.0	2.54
70.9	10.7	0.01	23.7					
318.100	67.9	-195.0	14.7	18.5	115.1	0.008	8.0	2.54
70.9	10.4	0.01	23.7					
318.200	67.2	-195.0	14.9	18.6	116.8	0.011	8.0	2.53
70.9	10.9	0.01	23.8					
318.300	67.3	-195.1	14.9	18.6	114.0	0.010	8.0	2.54
71.0	10.8	0.01	24.0					
318.400	66.9	-195.1	14.9	18.5	112.0	0.010	7.9	2.54
70.9	10.7	0.01	24.1					
318.500	67.6	-195.2	14.8	18.4	111.2	0.008	8.0	2.55
70.9	10.2	0.01	24.1					
318.600	67.2	-195.3	14.9	18.5	111.4	0.011	8.0	2.54
71.0	10.5	0.01	24.2					
318.700	67.3	-195.5	14.9	18.5	109.7	0.011	8.0	2.55
70.9	10.1	0.01	23.7					
318.800	67.0	-195.7	14.9	18.4	110.3	0.010	8.0	2.54
71.0	10.4	0.01	24.2					
318.900	68.0	-195.8	14.7	18.3	114.8	0.008	8.0	2.54
70.9	10.5	0.01	24.0					

319.000	68.5	-196.0	14.6	18.3	117.4	0.010	8.0	2.54
70.9	10.8	0.01	24.2					
319.100	69.6	-196.1	14.4	18.3	115.3	0.008	8.0	2.53
71.0	11.0	0.01	24.2					
319.200	69.4	-196.2	14.4	18.4	116.6	0.003	8.0	2.52
71.0	11.5	0.01	24.5					
319.300	69.2	-196.4	14.4	18.4	113.8	0.001	8.0	2.52
70.9	11.9	0.01	24.8					
319.400	68.4	-196.5	14.6	18.5	113.8	0.002	8.0	2.52
70.9	11.8	0.01	24.6					
319.500	68.4	-196.7	14.6	18.6	114.0	-0.000	8.0	2.52
71.0	11.7	0.01	24.9					
319.600	68.6	-196.9	14.6	18.5	112.5	0.001	8.0	2.52
71.0	11.5	0.01	24.9					
319.700	69.6	-197.1	14.4	18.4	112.9	0.003	7.9	2.53
71.0	11.0	0.01	25.3					
319.800	69.9	-197.4	14.3	18.5	113.1	0.002	8.0	2.54
71.0	10.8	0.01	25.4					
319.900	70.0	-197.5	14.3	18.4	116.6	0.001	8.0	2.54
71.0	10.7	0.01	25.5					
320.000	69.6	-197.7	14.4	18.4	118.3	0.001	8.0	2.53
71.0	11.0	0.01	25.8					
320.100	69.2	-197.9	14.4	18.2	120.3	0.000	8.0	2.53
71.0	11.0	0.01	25.6					
320.200	69.2	-198.1	14.4	18.1	123.1	0.003	8.0	2.53
71.0	11.1	0.01	25.5					
320.300	69.1	-198.3	14.5	18.2	123.7	0.002	8.0	2.53
71.0	10.9	0.01	25.0					
320.400	69.1	-198.5	14.5	18.2	118.5	0.003	8.0	2.54
71.0	10.6	0.01	25.3					
320.500	68.9	-198.8	14.5	18.2	117.0	0.007	8.0	2.54
71.0	10.3	0.01	25.2					
320.600	68.7	-199.1	14.6	18.2	118.3	0.008	8.0	2.55
71.0	10.0	0.01	25.3					
320.700	68.2	-199.5	14.7	18.1	114.6	0.011	8.0	2.55
71.0	9.7	0.01	25.1					
320.800	68.0	-199.8	14.7	18.0	114.6	0.012	8.0	2.55
71.0	9.9	0.01	25.1					
320.900	67.9	-199.7	14.7	18.1	113.3	0.011	8.0	2.55
71.0	10.2	0.01	25.4					
321.000	68.8	-199.6	14.5	18.1	111.2	0.006	8.0	2.54
71.0	10.3	0.01	25.2					
321.100	69.0	-199.4	14.5	18.0	115.9	0.005	8.0	2.54
71.0	10.4	0.01	25.5					
321.200	68.8	-199.2	14.5	18.0	115.3	0.007	8.0	2.53
71.0	10.9	0.01	25.5					
321.300	68.5	-199.1	14.6	18.0	115.3	0.005	8.0	2.53
71.0	11.0	0.01	25.3					
321.400	68.3	-198.9	14.6	18.0	114.4	0.004	8.0	2.53
71.0	11.1	0.01	25.7					
321.500	68.1	-198.7	14.7	18.3	110.1	0.004	8.0	2.54
71.0	10.6	0.01	25.3					
321.600	68.2	-198.4	14.7	18.3	107.7	0.008	7.9	2.54
71.0	10.4	0.01	25.1					

321.700	68.7	-198.0	14.6	18.4	107.1	0.010	8.0	2.54
71.0	10.6	0.01	25.5					
321.800	69.0	-197.5	14.5	18.4	106.2	0.007	8.0	2.54
71.0	10.7	0.01	25.6					
321.900	68.3	-197.1	14.7	18.5	106.4	0.006	8.0	2.53
71.0	11.3	0.01	25.7					
322.000	68.0	-197.1	14.7	18.6	104.0	0.003	8.0	2.53
71.0	11.4	0.01	25.4					
322.100	68.5	-197.2	14.6	18.7	104.0	0.004	8.0	2.53
71.0	11.5	0.01	25.2					
322.200	69.6	-197.4	14.4	18.6	107.3	0.005	8.0	2.53
71.0	11.3	0.01	25.0					
322.300	69.2	-197.6	14.5	18.7	106.8	0.008	8.0	2.53
71.0	11.2	0.01	25.0					
322.400	68.6	-197.8	14.6	18.7	106.8	0.008	8.0	2.54
71.0	10.8	0.01	24.7					
322.500	67.4	-197.9	14.8	18.8	108.4	0.007	8.0	2.54
71.0	10.7	0.01	24.9					
322.600	67.4	-198.1	14.8	18.9	103.4	0.010	8.0	2.53
71.0	11.3	0.01	24.5					
322.700	67.4	-198.3	14.8	18.9	104.5	0.009	8.0	2.53
71.0	11.2	0.01	24.0					
322.800	67.7	-198.5	14.8	18.7	106.2	0.008	7.9	2.53
71.0	11.0	0.01	24.2					
322.900	67.9	-198.7	14.7	18.7	104.5	0.007	8.0	2.53
71.0	11.2	0.01	23.9					
323.000	67.9	-198.8	14.7	18.8	105.8	0.006	8.0	2.52
71.0	11.6	0.01	23.4					
323.100	68.1	-199.0	14.7	18.9	106.2	0.008	8.0	2.52
71.0	11.5	0.01	23.4					
323.200	68.1	-199.3	14.7	18.9	102.3	0.012	8.0	2.53
71.0	11.4	0.01	23.1					
323.300	67.7	-199.4	14.8	19.1	102.5	0.012	8.0	2.53
71.0	11.4	0.01	23.2					
323.400	67.9	-199.7	14.7	19.1	103.2	0.013	8.0	2.53
71.0	11.2	0.01	23.5					
323.500	68.0	-199.9	14.7	19.3	104.9	0.011	8.0	2.53
71.0	11.0	0.01	23.4					
323.600	68.1	-200.1	14.7	19.4	103.8	0.012	8.0	2.53
71.0	10.9	0.01	23.4					
323.700	68.1	-200.5	14.7	19.2	103.8	0.012	8.0	2.53
71.0	10.9	0.01	23.7					
323.800	68.4	-201.3	14.6	19.2	104.5	0.012	8.0	2.54
71.0	10.9	0.01	23.6					
323.900	68.5	-202.1	14.6	19.3	108.8	0.011	8.0	2.53
71.0	11.2	0.01	23.8					
324.000	68.1	-202.2	14.7	19.3	106.8	0.012	8.0	2.52
71.0	11.7	0.01	23.5					
324.100	67.2	-202.2	14.9	19.2	108.4	0.011	8.0	2.53
71.0	11.4	0.01	23.4					
324.200	67.2	-202.3	14.9	19.2	106.2	0.007	8.0	2.52
71.0	11.6	0.01	23.3					
324.300	67.0	-202.3	14.9	19.2	103.0	0.005	8.0	2.51
71.0	12.1	0.01	23.0					

324.400	66.9	-202.0	15.0	19.3	101.7	0.001	8.0	2.51
71.0	12.4	0.01	23.2					
324.500	66.4	-201.7	15.1	19.4	103.0	-0.002	7.9	2.51
71.0	12.4	0.02	23.5					
324.600	66.2	-201.3	15.1	19.3	102.7	-0.002	8.0	2.50
71.0	13.1	0.02	23.8					
324.700	66.1	-200.9	15.1	19.3	104.5	-0.006	8.0	2.50
71.0	13.2	0.01	23.8					
324.800	65.5	-200.5	15.3	19.4	105.1	-0.006	8.0	2.50
71.0	12.9	0.01	23.7					
324.900	65.4	-199.6	15.3	19.4	106.4	-0.004	8.0	2.51
71.0	12.7	0.01	23.3					
325.000	65.2	-198.8	15.3	19.5	104.0	-0.002	8.0	2.51
71.0	12.7	0.01	24.0					
325.100	66.1	-198.7	15.1	19.5	100.8	-0.002	8.0	2.51
71.0	12.6	0.01	24.6					
325.200	66.4	-198.7	15.1	19.6	98.6	-0.001	8.0	2.50
71.0	13.0	0.01	24.9					
325.300	66.9	-198.6	14.9	19.6	99.5	-0.002	8.0	2.49
71.0	13.4	0.01	24.9					
325.400	67.2	-198.7	14.9	19.7	99.5	-0.003	8.0	2.49
71.0	13.4	0.01	24.8					
325.500	67.3	-198.9	14.9	19.7	99.9	-0.003	8.0	2.50
71.0	13.1	0.01	24.7					
325.600	66.9	-199.2	15.0	19.8	99.5	-0.001	8.0	2.50
71.0	12.8	0.01	25.1					
325.700	66.1	-199.4	15.1	19.9	100.1	0.002	8.0	2.51
71.0	12.4	0.01	24.9					
325.800	65.7	-199.7	15.2	20.0	103.8	0.004	8.0	2.51
71.0	12.2	0.01	25.1					
325.900	65.0	-200.0	15.4	19.9	104.7	0.005	8.0	2.53
71.0	11.5	0.01	24.8					
326.000	64.7	-200.4	15.5	19.9	105.3	0.010	8.0	2.54
71.0	10.8	0.01	25.0					
326.100	64.4	-200.9	15.5	20.1	108.4	0.016	8.0	2.54
71.0	10.7	0.01	24.9					
326.200	65.6	-201.4	15.2	20.2	110.3	0.010	8.0	2.54
71.0	10.6	0.01	25.0					
326.300	66.1	-201.8	15.1	20.3	108.1	0.008	8.0	2.54
71.0	10.6	0.01	25.3					
326.400	66.1	-202.4	15.1	20.3	105.1	0.008	8.0	2.54
71.0	10.8	0.01	25.4					
326.500	65.5	-203.1	15.3	20.3	108.6	0.005	8.0	2.53
71.0	11.1	0.01	24.9					
326.600	64.4	-203.5	15.5	20.4	112.0	0.006	8.0	2.53
71.1	11.3	0.01	24.3					
326.700	64.5	-203.9	15.5	20.5	114.0	0.008	7.9	2.54
71.0	10.8	0.01	23.5					
326.800	64.4	-204.3	15.5	20.6	116.8	0.011	8.0	2.54
71.1	10.5	0.01	23.6					
326.900	64.8	-204.6	15.4	20.5	115.9	0.009	8.0	2.54
71.0	10.7	0.01	23.5					
327.000	64.7	-204.9	15.5	20.5	115.5	0.007	8.0	2.54
71.0	10.7	0.01	23.8					

327.100	65.0	-205.1	15.4	20.4	118.5	0.005	8.0	2.54
71.0	10.7	0.01	23.7					
327.200	64.9	-205.1	15.4	20.4	119.2	0.005	8.0	2.53
71.0	11.1	0.01	23.8					
327.300	64.5	-205.1	15.5	20.5	117.0	0.002	8.0	2.53
71.0	11.1	0.01	24.1					
327.400	63.8	-205.3	15.7	20.5	116.4	-0.005	8.0	2.52
71.1	11.6	0.01	24.4					
327.500	63.8	-205.2	15.7	20.3	115.3	-0.002	8.0	2.51
71.0	12.5	0.01	24.2					
327.600	63.7	-204.9	15.7	20.4	112.7	-0.002	8.0	2.51
71.1	12.3	0.01	24.6					
327.700	62.8	-205.0	15.9	20.5	109.9	-0.003	8.0	2.51
71.1	12.4	0.01	24.7					
327.800	63.0	-205.1	15.9	20.7	112.9	-0.002	8.0	2.50
71.0	13.0	0.01	24.2					
327.900	63.6	-205.3	15.7	20.6	113.8	-0.003	8.0	2.50
71.1	13.0	0.01	24.1					
328.000	63.8	-205.4	15.7	20.7	113.5	-0.003	8.0	2.50
71.1	13.2	0.01	24.2					
328.100	63.5	-205.6	15.8	20.6	113.5	-0.007	8.0	2.50
71.1	13.0	0.01	23.8					
328.200	63.4	-206.0	15.8	20.7	110.1	-0.005	8.0	2.50
71.1	13.0	0.01	24.2					
328.300	64.1	-206.5	15.6	20.8	109.2	-0.003	8.0	2.49
71.1	13.4	0.01	24.5					
328.400	64.5	-207.1	15.5	20.6	107.5	-0.002	8.0	2.50
71.1	13.0	0.01	24.4					
328.500	64.6	-208.3	15.5	20.6	108.1	-0.002	8.0	2.51
71.1	12.5	0.01	24.7					
328.600	64.3	-209.6	15.6	20.8	106.0	0.004	8.0	2.50
71.1	12.8	0.01	24.5					
328.700	63.6	-210.4	15.7	20.6	105.3	0.005	8.0	2.50
71.1	12.9	0.01	24.4					
328.800	63.2	-210.7	15.8	20.7	106.6	0.005	8.0	2.50
71.1	13.3	0.01	24.0					
328.900	63.3	-211.1	15.8	20.6	109.7	0.003	8.0	2.49
71.1	13.4	0.01	24.2					
329.000	63.8	-211.5	15.7	20.7	108.4	0.004	8.0	2.49
71.1	13.6	0.01	24.6					
329.100	63.6	-211.8	15.7	20.8	108.8	0.002	8.0	2.50
71.1	13.3	0.01	24.2					
329.200	63.5	-212.1	15.7	20.8	110.5	0.011	8.0	2.49
71.1	13.6	0.01	24.0					
329.300	63.2	-212.3	15.8	20.9	110.5	0.013	8.0	2.49
71.1	13.5	0.01	24.7					
329.400	63.6	-212.5	15.7	21.0	112.3	0.020	7.9	2.49
71.1	13.9	0.01	24.7					
329.500	63.9	-212.4	15.6	21.1	111.0	0.019	8.0	2.49
71.1	13.7	0.01	24.7					
329.600	64.3	-211.9	15.5	21.4	110.1	0.019	7.9	2.48
71.1	14.3	0.01	25.1					
329.700	64.1	-211.3	15.6	21.5	112.5	0.021	7.9	2.48
71.1	14.4	0.01	25.1					

329.800	63.7	-211.1	15.7	21.5	113.5	0.024	7.9	2.48
71.1 14.1	0.01	24.9						
329.900	63.0	-211.5	15.9	21.6	115.3	0.020	7.9	2.48
71.1 14.4	0.01	25.1						
330.000	62.6	-212.0	16.0	21.5	117.0	0.022	7.9	2.47
71.1 15.1	0.01	24.7						
330.100	62.8	-213.0	15.9	21.5	117.2	0.023	7.9	2.47
71.1 15.1	0.01	24.7						
330.200	62.9	-213.9	15.9	21.6	119.2	0.025	7.9	2.47
71.1 15.1	0.01	24.8						
330.300	62.8	-214.3	15.9	21.2	115.9	0.025	7.9	2.46
71.1 15.2	0.01	24.9						
330.400	61.7	-214.8	16.2	21.1	114.4	0.024	7.9	2.46
71.1 15.2	0.01	24.3						
330.500	61.5	-215.2	16.3	21.1	118.7	0.017	7.9	2.47
71.1 14.9	0.01	24.2						
330.600	61.9	-215.7	16.2	20.9	118.7	0.018	7.9	2.46
71.1 15.3	0.01	24.4						
330.700	63.8	-216.1	15.7	20.9	124.8	0.014	8.0	2.46
71.1 15.3	0.01	24.8						
330.800	63.7	-216.6	15.7	21.0	123.9	0.012	8.0	2.47
71.1 15.2	0.01	24.4						
330.900	63.9	-217.2	15.7	21.0	123.9	0.013	8.0	2.47
71.1 14.7	0.01	24.4						
331.000	63.2	-217.6	15.8	21.1	124.8	0.016	7.9	2.47
71.1 14.9	0.01	24.4						
331.100	63.6	-218.0	15.7	21.2	124.6	0.011	8.0	2.48
71.1 14.3	0.01	24.4						
331.200	63.5	-218.0	15.7	21.3	122.8	0.014	8.0	2.47
71.1 14.9	0.01	24.2						
331.300	63.1	-218.3	15.8	21.5	120.5	0.012	8.0	2.47
71.1 15.0	0.01	24.1						
331.400	62.6	-219.1	16.0	21.4	120.0	0.011	8.0	2.47
71.1 15.0	0.01	24.4						
331.500	62.0	-220.3	16.1	21.5	118.5	0.011	8.0	2.47
71.1 14.7	0.01	24.4						
331.600	61.9	-221.6	16.2	21.4	115.7	0.010	8.0	2.48
71.1 14.4	0.01	24.5						
331.700	62.4	-223.1	16.0	21.4	112.7	0.013	8.0	2.48
71.1 14.5	0.01	24.8						
331.800	62.8	-224.6	15.9	21.2	113.8	0.011	8.0	2.49
71.1 13.9	0.01	24.7						
331.900	63.4	-226.1	15.8	21.1	111.2	0.009	8.0	2.49
71.1 13.8	0.01	24.6						
332.000	63.0	-227.3	15.9	21.2	110.3	0.009	8.0	2.49
71.1 13.9	0.01	24.7						
332.100	62.6	-228.3	16.0	21.2	109.9	0.009	8.0	2.49
71.1 13.7	0.01	24.4						
332.200	62.1	-228.6	16.1	21.1	108.1	0.007	8.0	2.50
71.1 13.2	0.01	24.1						
332.300	62.6	-228.5	16.0	21.1	109.4	0.004	8.0	2.49
71.1 13.4	0.01	24.1						
332.400	62.9	-228.4	15.9	21.1	107.7	0.003	8.0	2.50
71.1 13.3	0.01	24.1						

332.500	63.0	-227.4	15.9	21.2	106.8	0.000	8.0	2.50
71.1 12.8	0.01	23.9						
332.600	62.5	-226.0	16.0	21.1	110.5	0.001	8.0	2.50
71.1 13.1	0.01	23.2						
332.700	62.8	-224.3	15.9	21.0	110.3	0.000	8.0	2.51
71.1 12.2	0.01	23.4						
332.800	62.7	-222.8	15.9	20.9	110.3	0.003	8.0	2.52
71.1 12.1	0.01	23.0						
332.900	62.5	-221.7	16.0	20.9	109.4	0.002	8.0	2.52
71.1 11.9	0.01	22.7						
333.000	62.6	-220.6	16.0	21.0	109.9	0.000	8.0	2.52
71.1 11.7	0.01	23.0						
333.100	63.0	-219.5	15.9	20.9	113.3	0.002	8.0	2.52
71.1 11.9	0.01	22.9						
333.200	63.8	-218.6	15.7	20.9	116.8	0.002	8.0	2.53
71.1 11.4	0.01	22.5						
333.300	63.4	-218.3	15.8	21.0	117.2	0.002	8.0	2.53
71.1 11.4	0.01	22.5						
333.400	63.3	-218.4	15.8	20.8	117.9	0.003	8.0	2.53
71.1 11.2	0.01	22.8						
333.500	63.5	-218.1	15.7	20.8	116.6	0.005	8.0	2.53
71.1 11.3	0.01	22.7						
333.600	64.1	-218.7	15.6	20.7	118.7	0.003	8.0	2.53
71.1 11.4	0.01	22.4						
333.700	64.1	-219.2	15.6	20.5	115.1	0.003	8.0	2.53
71.1 11.5	0.01	22.9						
333.800	64.1	-219.5	15.6	20.7	114.2	0.000	8.0	2.52
71.1 11.8	0.01	22.9						
333.900	63.6	-219.8	15.7	20.6	115.5	-0.004	8.0	2.52
71.1 11.9	0.02	22.8						
334.000	63.4	-219.3	15.8	20.6	117.2	-0.002	8.0	2.52
71.1 11.9	0.02	23.6						
334.100	63.0	-218.9	15.9	20.6	110.3	-0.004	8.0	2.53
71.1 11.5	0.02	24.1						
334.200	63.1	-218.9	15.9	20.6	112.0	-0.000	8.0	2.52
71.1 11.6	0.02	24.2						
334.300	63.2	-219.0	15.8	20.7	112.9	0.001	8.0	2.53
71.1 11.2	0.02	24.3						
334.400	63.8	-219.0	15.7	20.7	112.9	0.002	8.0	2.53
71.1 11.4	0.02	24.3						
334.500	64.1	-219.2	15.6	20.5	114.0	0.001	8.0	2.52
71.1 11.6	0.02	24.1						
334.600	64.2	-219.7	15.6	20.5	110.5	-0.000	8.0	2.53
71.1 11.2	0.02	24.3						
334.700	63.6	-220.3	15.7	20.5	108.8	0.000	8.0	2.53
71.1 11.2	0.02	24.5						
334.800	63.7	-221.2	15.7	20.4	111.0	-0.001	8.0	2.53
71.2 11.3	0.01	24.6						
334.900	64.1	-222.4	15.6	20.4	112.3	-0.002	8.0	2.53
71.1 11.0	0.01	24.3						
335.000	64.3	-222.2	15.6	20.4	111.0	0.003	8.0	2.54
71.2 10.6	0.01	24.2						
335.100	64.3	-222.5	15.5	20.3	108.4	0.004	8.0	2.54
71.2 10.5	0.01	24.4						

335.200	64.6	-220.7	15.5	20.3	110.3	0.009	8.0	2.54
71.2	10.6	0.01	23.5					
335.300	64.7	-218.5	15.4	20.2	112.9	0.009	8.0	2.55
71.2	9.8	0.01	24.0					
335.400	65.3	-216.1	15.3	20.0	112.3	0.009	8.0	2.55
71.2	9.8	0.01	24.3					
335.500	65.5	-213.8	15.3	20.2	113.5	0.007	8.0	2.56
71.2	9.3	0.01	24.3					
335.600	65.5	-211.1	15.3	20.1	117.9	0.010	8.0	2.55
71.2	9.7	0.01	24.2					
335.700	64.6	-208.3	15.5	20.0	116.4	0.007	8.0	2.54
71.2	10.3	0.01	24.5					
335.800	65.0	-205.1	15.4	19.9	116.8	0.007	8.0	2.55
71.2	10.0	0.01	24.9					
335.900	64.9	-201.9	15.4	19.8	115.9	0.009	8.0	2.55
71.2	9.7	0.01	24.7					
336.000	65.1	-198.6	15.4	19.8	114.6	0.008	8.0	2.56
71.2	9.3	0.01	24.6					
336.100	64.7	-196.3	15.5	19.9	115.5	0.008	8.0	2.55
71.2	9.7	0.01	24.8					
336.200	64.6	-193.7	15.5	19.7	115.5	0.009	8.0	2.55
71.2	9.7	0.01	25.4					
336.300	65.0	-193.2	15.4	19.7	114.2	0.007	8.0	2.56
71.2	9.4	0.01	25.4					
336.400	65.2	-192.9	15.3	19.8	113.5	0.005	8.0	2.55
71.2	10.1	0.01	26.2					
336.500	65.6	-192.6	15.2	19.9	113.5	0.003	8.0	2.55
71.2	10.1	0.01	26.6					
336.600	64.9	-192.4	15.4	20.0	112.9	0.001	8.0	2.55
71.2	10.1	0.01	27.0					
336.700	64.6	-192.2	15.5	19.9	112.9	0.003	8.0	2.55
71.2	10.2	0.01	27.5					
336.800	64.9	-192.1	15.4	19.7	111.0	0.001	8.0	2.55
71.2	10.2	0.01	27.1					
336.900	65.5	-192.0	15.3	19.8	110.7	-0.003	8.0	2.54
71.2	10.4	0.01	26.8					
337.000	65.4	-192.0	15.3	19.9	106.4	-0.005	8.0	2.54
71.2	10.5	0.01	26.4					
337.100	65.0	-192.0	15.4	20.0	105.1	0.001	8.0	2.54
71.2	10.6	0.01	26.5					
337.200	65.4	-192.0	15.3	19.9	105.5	-0.002	8.0	2.54
71.2	10.6	0.01	26.0					
337.300	65.2	-192.1	15.3	19.9	105.5	-0.004	8.0	2.53
71.2	11.3	0.01	25.5					
337.400	65.5	-192.2	15.3	19.9	108.6	-0.006	8.0	2.53
71.2	10.9	0.01	25.8					
337.500	65.2	-192.5	15.3	20.0	111.8	-0.006	8.0	2.53
71.2	11.4	0.01	26.3					
337.600	65.5	-192.8	15.3	20.0	111.8	-0.006	8.0	2.53
71.2	11.2	0.01	25.5					
337.700	65.2	-193.1	15.3	20.0	110.5	-0.005	8.0	2.52
71.2	11.5	0.01	25.1					
337.800	64.4	-193.5	15.5	19.9	110.5	-0.004	8.0	2.52
71.2	11.5	0.01	25.5					

337.900	64.0	-193.8	15.6	19.9	116.6	-0.003	8.0	2.52
71.2 11.5	0.01	24.4						
338.000	64.3	-194.1	15.5	20.1	117.2	-0.005	8.0	2.52
71.2 11.6	0.01	24.4						
338.100	64.9	-194.4	15.4	20.1	119.2	-0.002	8.0	2.52
71.2 11.6	0.01	24.4						
338.200	66.1	-194.7	15.1	20.1	118.7	-0.001	8.0	2.52
71.2 11.7	0.01	23.9						
338.300	66.1	-195.0	15.1	20.0	117.7	0.000	8.0	2.53
71.2 11.3	0.01	23.7						
338.400	65.8	-195.2	15.2	20.1	118.5	-0.001	8.0	2.53
71.2 11.0	0.01	23.7						
338.500	64.7	-195.2	15.5	20.1	120.5	-0.000	8.0	2.53
71.2 11.4	0.01	23.8						
338.600	64.1	-194.8	15.6	20.2	120.0	0.002	8.0	2.53
71.2 11.4	0.01	23.7						
338.700	64.2	-194.4	15.6	20.1	119.0	0.005	8.0	2.53
71.2 11.1	0.01	23.6						
338.800	65.3	-194.0	15.3	20.2	117.7	0.003	8.0	2.54
71.2 10.9	0.01	24.2						
338.900	66.1	-193.6	15.1	20.2	114.8	0.003	8.0	2.53
71.2 11.3	0.02	24.1						
339.000	66.2	-193.1	15.1	20.2	112.0	0.000	8.0	2.53
71.2 11.3	0.02	23.7						
339.100	65.8	-192.7	15.2	20.1	113.3	-0.001	8.0	2.53
71.2 11.0	0.02	24.0						
339.200	65.8	-192.2	15.2	20.1	111.4	0.001	8.0	2.54
71.2 10.7	0.02	23.9						
339.300	66.3	-191.8	15.1	20.0	110.5	0.003	8.0	2.53
71.2 10.9	0.02	23.0						
339.400	66.1	-191.3	15.1	20.0	106.8	-0.001	8.0	2.54
71.2 10.7	0.02	23.4						
339.500	65.4	-190.9	15.3	19.9	107.9	-0.002	8.0	2.54
71.2 10.4	0.02	23.2						
339.600	65.5	-190.7	15.3	20.0	106.8	0.001	8.0	2.54
71.2 10.7	0.02	22.8						
339.700	65.9	-190.7	15.2	20.1	105.1	-0.002	8.0	2.54
71.2 10.8	0.02	23.0						
339.800	65.8	-190.9	15.2	20.1	105.1	-0.003	8.0	2.53
71.2 11.1	0.02	23.2						
339.900	65.3	-191.0	15.3	20.1	104.7	-0.003	8.0	2.53
71.2 11.1	0.02	23.4						
340.000	64.9	-191.1	15.4	20.0	108.8	-0.002	8.0	2.53
71.2 11.3	0.02	23.4						
340.100	65.7	-191.1	15.2	20.0	111.2	-0.002	8.0	2.54
71.2 10.7	0.02	23.3						
340.200	65.8	-191.1	15.2	20.2	110.5	0.003	8.0	2.54
71.2 10.7	0.01	23.4						
340.300	65.6	-191.1	15.2	20.0	111.0	0.008	8.0	2.53
71.2 10.9	0.01	23.3						
340.400	65.2	-191.2	15.3	19.9	110.5	0.007	8.0	2.53
71.2 11.1	0.01	23.0						
340.500	65.2	-191.3	15.3	19.9	110.1	0.004	8.0	2.53
71.2 11.1	0.01	23.0						

340.600	65.1	-191.3	15.4	19.9	109.0	0.003	8.0	2.52
71.2	11.7	0.01	23.0					
340.700	65.2	-191.2	15.3	19.9	110.1	0.004	8.0	2.52
71.3	11.8	0.01	22.8					
340.800	65.2	-191.0	15.3	20.1	109.7	0.006	8.0	2.52
71.3	12.0	0.01	23.5					
340.900	65.2	-190.9	15.3	19.9	108.1	0.001	8.0	2.51
71.3	12.5	0.01	23.2					
341.000	64.7	-190.7	15.4	19.9	105.5	0.002	8.0	2.51
71.3	12.3	0.01	23.7					
341.100	64.8	-190.6	15.4	20.0	106.2	0.007	8.0	2.52
71.2	11.8	0.01	23.7					
341.200	65.3	-190.5	15.3	20.1	107.1	0.008	8.0	2.53
71.2	11.3	0.01	24.2					
341.300	65.7	-190.5	15.2	20.1	106.8	0.010	8.0	2.52
71.2	11.8	0.01	24.2					
341.400	65.1	-190.3	15.4	20.0	104.7	0.009	8.0	2.52
71.3	11.8	0.01	24.1					
341.500	64.7	-190.2	15.5	19.9	103.4	0.005	8.0	2.52
71.3	11.7	0.01	24.0					
341.600	65.0	-190.1	15.4	19.9	103.2	0.004	8.0	2.51
71.3	12.1	0.01	24.0					
341.700	65.4	-190.1	15.3	19.9	103.6	0.005	8.0	2.51
71.3	12.1	0.01	24.2					
341.800	64.9	-190.2	15.4	20.0	104.0	0.007	8.0	2.52
71.3	12.0	0.01	24.1					
341.900	64.2	-190.2	15.6	20.0	104.2	0.008	8.0	2.53
71.3	11.5	0.01	24.3					
342.000	64.1	-190.2	15.6	20.1	103.4	0.009	8.0	2.52
71.3	11.6	0.01	24.3					
342.100	64.6	-190.2	15.5	20.2	104.5	0.008	8.0	2.53
71.3	11.4	0.01	24.6					
342.200	65.0	-190.2	15.4	20.1	105.8	0.010	8.0	2.53
71.2	11.0	0.01	24.7					
342.300	64.6	-190.3	15.5	20.2	105.1	0.013	8.0	2.54
71.3	10.8	0.01	24.6					
342.400	64.5	-190.3	15.5	20.1	107.3	0.008	8.0	2.54
71.3	10.4	0.01	24.9					
342.500	64.3	-190.4	15.5	20.0	111.6	0.006	8.0	2.54
71.3	10.8	0.01	24.2					
342.600	65.3	-190.5	15.3	20.1	111.2	0.004	8.0	2.53
71.3	10.9	0.01	24.4					
342.700	65.6	-190.6	15.2	20.0	109.0	0.008	8.0	2.53
71.3	11.0	0.01	24.3					
342.800	65.8	-190.6	15.2	19.9	108.1	0.009	8.0	2.54
71.3	10.6	0.01	24.1					
342.900	65.2	-190.7	15.3	20.0	108.6	0.009	8.0	2.54
71.3	10.8	0.01	23.7					
343.000	65.1	-191.0	15.4	20.0	104.5	0.009	8.0	2.53
71.3	10.9	0.01	23.8					
343.100	64.9	-191.3	15.4	20.1	104.0	0.008	8.0	2.54
71.3	10.8	0.01	24.1					
343.200	64.7	-191.6	15.4	20.2	104.5	0.007	8.0	2.54
71.3	10.7	0.01	24.2					

343.300	64.6	-191.9	15.5	20.2	106.2	0.005	8.0	2.53
71.3	10.9	0.01	24.0					
343.400	63.9	-192.2	15.6	20.2	105.3	0.004	8.0	2.53
71.3	11.1	0.01	24.3					
343.500	63.8	-192.6	15.7	20.3	108.4	0.005	8.0	2.54
71.3	10.7	0.01	24.3					
343.600	63.8	-192.7	15.7	20.3	105.8	0.003	8.0	2.54
71.3	10.6	0.01	24.2					
343.700	64.4	-192.7	15.5	20.3	106.8	0.005	8.0	2.54
71.3	10.6	0.01	24.3					
343.800	64.9	-192.6	15.4	20.4	109.7	0.006	8.0	2.54
71.3	10.5	0.01	24.3					
343.900	64.9	-192.6	15.4	20.3	104.5	0.007	8.0	2.55
71.3	10.0	0.01	24.4					
344.000	65.0	-192.5	15.4	20.3	102.5	0.011	8.0	2.55
71.3	10.1	0.01	24.6					
344.100	64.9	-192.3	15.4	20.4	103.0	0.009	8.0	2.55
71.3	9.8	0.01	24.4					
344.200	64.8	-192.0	15.4	20.3	103.2	0.016	8.0	2.55
71.3	9.7	0.01	24.5					
344.300	65.0	-191.7	15.4	20.3	102.1	0.018	8.0	2.55
71.3	9.9	0.01	24.5					
344.400	64.9	-191.5	15.4	20.3	104.2	0.018	8.0	2.55
71.3	9.7	0.01	24.4					
344.500	65.5	-191.2	15.3	20.2	106.2	0.017	8.0	2.56
71.3	9.4	0.01	24.1					
344.600	64.8	-191.2	15.4	20.2	109.2	0.020	8.0	2.56
71.3	9.2	0.01	24.1					
344.700	64.9	-191.5	15.4	20.2	109.0	0.024	8.0	2.56
71.3	9.4	0.01	24.3					
344.800	64.3	-191.9	15.6	20.1	107.3	0.024	8.0	2.56
71.3	9.3	0.01	24.4					
344.900	64.6	-191.9	15.5	20.1	105.1	0.024	8.0	2.56
71.3	9.4	0.01	24.6					
345.000	63.8	-191.9	15.7	20.1	102.1	0.022	8.0	2.56
71.3	9.3	0.01	24.7					
345.100	64.5	-191.9	15.5	19.9	104.2	0.023	8.0	2.56
71.3	9.4	0.01	24.4					
345.200	65.0	-191.9	15.4	19.8	104.5	0.023	8.0	2.56
71.3	9.6	0.01	24.2					
345.300	65.6	-191.9	15.2	19.9	103.2	0.015	8.0	2.55
71.3	9.8	0.01	24.2					
345.400	65.0	-191.9	15.4	19.8	106.6	0.012	8.0	2.54
71.3	10.4	0.01	23.9					
345.500	65.0	-191.8	15.4	19.8	103.8	0.005	8.0	2.54
71.3	10.3	0.02	23.5					
345.600	65.8	-191.7	15.2	19.8	102.5	0.002	8.0	2.54
71.3	10.6	0.02	23.6					
345.700	65.9	-191.4	15.2	19.7	106.2	0.005	8.0	2.54
71.3	10.9	0.02	23.4					
345.800	66.2	-190.9	15.1	19.6	106.6	0.006	8.0	2.54
71.3	10.6	0.01	24.3					
345.900	66.3	-190.4	15.1	19.4	105.3	0.005	8.0	2.54
71.3	10.8	0.01	24.8					

346.000	66.9	-190.2	14.9	19.2	104.9	0.000	8.0	2.53
71.3 11.1	0.02	25.0						
346.100	67.0	-190.2	14.9	19.1	103.8	-0.001	8.0	2.53
71.3 11.2	0.02	24.9						
346.200	67.0	-190.0	14.9	18.9	107.1	-0.001	8.0	2.53
71.3 11.2	0.02	25.0						
346.300	66.8	-189.9	15.0	18.7	104.9	-0.002	8.0	2.53
71.3 11.2	0.02	25.2						
346.400	67.3	-189.7	14.9	18.7	110.5	-0.004	8.0	2.53
71.3 11.3	0.02	24.7						
346.500	67.0	-189.6	14.9	18.6	110.5	-0.005	8.0	2.53
71.3 11.5	0.02	24.8						
346.600	67.3	-189.5	14.9	18.5	110.5	-0.004	8.0	2.53
71.3 11.4	0.02	25.4						
346.700	66.9	-189.4	15.0	18.5	111.0	-0.001	8.0	2.53
71.3 11.3	0.02	25.8						
346.800	67.0	-189.4	14.9	18.5	115.7	0.001	8.0	2.53
71.3 10.9	0.02	25.4						
346.900	66.3	-189.4	15.1	18.4	115.3	0.000	8.0	2.53
71.3 10.9	0.02	25.9						
347.000	66.5	-189.3	15.0	18.4	118.7	-0.002	8.0	2.54
71.3 10.6	0.02	25.8						
347.100	66.7	-189.3	15.0	18.5	122.4	-0.000	8.0	2.54
71.3 10.5	0.02	25.5						
347.200	67.4	-189.3	14.8	18.6	122.4	0.001	8.0	2.54
71.3 10.8	0.02	26.2						
347.300	67.5	-189.3	14.8	18.6	120.9	-0.001	8.0	2.53
71.3 11.0	0.02	25.5						
347.400	67.8	-189.3	14.8	18.7	122.6	-0.001	8.0	2.53
71.3 10.9	0.02	25.3						
347.500	68.8	-189.4	14.5	18.7	122.6	-0.001	8.0	2.54
71.3 10.9	0.01	25.2						
347.600	68.6	-189.4	14.6	18.8	121.6	0.001	8.0	2.53
71.3 11.1	0.01	25.5						
347.700	69.0	-189.4	14.5	18.8	115.9	0.002	8.0	2.53
71.3 11.1	0.02	25.4						
347.800	68.8	-189.5	14.5	18.7	116.1	0.000	8.0	2.53
71.3 11.1	0.01	25.7						
347.900	69.2	-189.6	14.4	18.7	111.4	-0.000	8.0	2.54
71.3 10.8	0.01	25.9						
348.000	69.4	-189.6	14.4	18.8	112.0	-0.000	8.0	2.54
71.3 10.7	0.01	26.0						
348.100	69.6	-189.7	14.4	18.7	109.9	-0.000	8.0	2.53
71.3 11.0	0.01	25.4						
348.200	69.9	-189.8	14.3	18.7	106.8	0.000	8.0	2.54
71.3 10.8	0.01	25.1						
348.300	69.5	-190.0	14.4	18.6	104.0	0.003	8.0	2.54
71.4 10.3	0.01	25.0						
348.400	69.3	-190.1	14.4	18.6	102.3	0.003	8.0	2.55
71.3 10.1	0.01	24.9						
348.500	68.9	-190.2	14.5	18.6	101.4	0.004	8.0	2.55
71.3 10.0	0.01	25.3						
348.600	68.8	-190.4	14.5	18.4	100.4	0.010	8.0	2.55
71.4 10.1	0.01	25.7						

348.700	68.8	-190.6	14.5	18.2	98.6	0.012	8.0	2.56
71.3	9.5	0.01	25.2					
348.800	69.5	-190.7	14.4	18.1	101.9	0.017	8.0	2.56
71.3	9.3	0.01	25.1					
348.900	69.9	-190.9	14.3	18.1	98.0	0.017	8.0	2.56
71.4	9.6	0.01	25.0					
349.000	70.3	-191.0	14.2	18.1	96.0	0.012	8.0	2.56
71.4	9.4	0.02	25.3					
349.100	70.0	-191.2	14.3	18.0	95.2	0.016	8.0	2.56
71.4	9.2	0.01	25.1					
349.200	69.9	-191.3	14.3	18.1	98.2	0.020	8.0	2.56
71.4	9.3	0.01	25.2					
349.300	69.9	-191.4	14.3	18.1	96.7	0.018	8.0	2.56
71.4	9.1	0.01	24.4					
349.400	70.3	-191.5	14.2	18.1	102.7	0.019	8.0	2.56
71.4	9.6	0.02	24.8					
349.500	70.6	-191.6	14.2	18.2	103.2	0.017	8.0	2.56
71.4	9.3	0.01	24.4					
349.600	70.1	-191.6	14.3	18.1	101.4	0.015	8.0	2.56
71.4	9.5	0.01	24.8					
349.700	69.9	-191.6	14.3	18.0	102.5	0.011	8.0	2.56
71.4	9.6	0.01	25.5					
349.800	69.9	-191.6	14.3	17.8	103.2	0.009	8.0	2.55
71.4	10.2	0.01	26.2					
349.900	70.7	-191.6	14.1	17.9	106.2	0.006	8.0	2.54
71.4	10.5	0.01	25.9					
350.000	71.1	-191.7	14.1	17.9	107.1	0.005	8.0	2.54
71.4	10.9	0.01	25.6					
350.100	71.6	-191.7	14.0	17.8	102.7	0.001	8.0	2.54
71.4	10.6	0.01	26.1					
350.200	71.6	-191.8	14.0	17.7	102.5	0.001	8.0	2.54
71.4	10.6	0.01	26.2					
350.300	71.6	-191.8	14.0	17.7	100.8	0.007	8.0	2.54
71.4	10.6	0.01	26.5					
350.400	71.5	-191.9	14.0	17.7	103.6	0.005	8.0	2.54
71.4	10.5	0.01	26.9					
350.500	71.5	-191.9	14.0	17.8	106.0	0.001	8.0	2.54
71.4	10.6	0.01	26.9					
350.600	71.0	-192.0	14.1	17.6	106.6	0.002	8.0	2.54
71.4	10.8	0.01	26.9					
350.700	70.8	-192.0	14.1	17.5	111.4	0.003	8.0	2.54
71.4	10.4	0.02	26.5					
350.800	70.8	-192.1	14.1	17.5	117.9	0.003	8.0	2.54
71.4	10.6	0.02	26.7					
350.900	71.4	-192.2	14.0	17.4	114.2	0.002	8.0	2.54
71.4	10.6	0.02	26.3					
351.000	71.4	-192.3	14.0	17.5	116.6	0.001	8.0	2.53
71.4	11.0	0.02	26.5					
351.100	71.9	-192.2	13.9	17.4	121.3	0.001	8.0	2.53
71.4	11.0	0.02	26.5					
351.200	72.2	-192.3	13.9	17.3	120.3	0.002	8.0	2.53
71.4	11.5	0.02	25.9					
351.300	71.9	-192.3	13.9	17.3	119.0	0.001	8.0	2.52
71.4	11.7	0.02	25.8					

351.400	72.0	-192.4	13.9	17.2	118.7	-0.002	8.0	2.52
71.4	11.6	0.02	26.0					
351.500	71.4	-192.4	14.0	17.2	117.9	-0.003	8.0	2.52
71.4	11.8	0.02	26.3					
351.600	72.0	-192.5	13.9	17.2	121.3	-0.006	8.0	2.51
71.4	12.2	0.02	25.9					
351.700	72.3	-192.5	13.8	17.0	121.1	-0.005	8.0	2.51
71.4	12.5	0.02	25.6					
351.800	72.9	-192.5	13.7	17.0	121.6	-0.006	8.0	2.51
71.4	12.6	0.02	25.9					
351.900	73.7	-192.5	13.6	17.0	120.3	-0.007	8.0	2.50
71.4	12.9	0.01	25.8					
352.000	73.8	-192.5	13.6	17.0	119.4	-0.012	8.0	2.50
71.4	12.8	0.01	25.5					
352.100	73.6	-192.6	13.6	16.9	119.0	-0.010	8.0	2.50
71.4	13.1	0.01	25.6					
352.200	72.7	-192.6	13.8	16.8	113.8	-0.009	8.0	2.50
71.4	13.1	0.01	25.7					
352.300	72.6	-192.7	13.8	16.8	108.6	-0.007	8.0	2.50
71.4	13.0	0.01	25.8					
352.400	73.0	-192.7	13.7	16.9	109.0	-0.005	8.0	2.50
71.4	12.8	0.01	25.7					
352.500	73.1	-192.8	13.7	16.9	108.6	-0.004	8.0	2.50
71.4	12.8	0.01	26.0					
352.600	73.3	-192.9	13.7	17.0	106.6	-0.004	8.0	2.51
71.4	12.5	0.01	25.3					
352.700	73.4	-193.0	13.6	17.0	109.7	-0.003	8.0	2.52
71.4	12.1	0.01	25.1					
352.800	74.1	-193.2	13.5	17.1	106.6	0.001	8.0	2.52
71.4	11.7	0.02	25.0					
352.900	74.0	-193.4	13.5	17.2	108.1	0.000	8.0	2.52
71.4	11.6	0.02	25.3					
353.000	74.0	-193.6	13.5	17.2	109.4	0.001	8.0	2.53
71.4	11.0	0.01	24.8					
353.100	73.9	-193.9	13.5	17.1	109.7	0.006	8.0	2.53
71.4	11.0	0.01	24.4					
353.200	74.3	-194.2	13.5	17.1	111.0	0.008	8.0	2.53
71.4	11.1	0.01	24.2					
353.300	74.2	-194.4	13.5	17.0	110.7	0.010	8.0	2.54
71.4	10.7	0.01	23.8					
353.400	73.9	-194.6	13.5	17.0	111.0	0.010	8.0	2.55
71.4	10.2	0.01	23.4					
353.500	73.9	-194.8	13.5	16.9	110.1	0.010	8.0	2.55
71.4	10.1	0.01	23.6					
353.600	74.7	-194.9	13.4	16.7	110.7	0.011	8.0	2.55
71.4	9.9	0.01	23.8					
353.700	75.8	-195.1	13.2	16.6	113.8	0.009	8.0	2.55
71.4	9.9	0.01	23.4					
353.800	76.2	-195.2	13.1	16.6	117.7	0.007	8.0	2.55
71.4	10.1	0.01	23.5					
353.900	75.8	-195.4	13.2	16.5	116.6	0.006	8.0	2.55
71.4	9.8	0.01	23.5					
354.000	74.7	-195.4	13.4	16.4	114.6	0.008	8.0	2.55
71.4	9.9	0.01	23.0					

354.100	74.3	-195.5	13.5	16.4	116.1	0.004	8.0	2.56
71.4	9.5	0.01	23.5					
354.200	74.3	-195.4	13.5	16.4	113.5	0.007	8.0	2.55
71.4	9.6	0.01	23.6					
354.300	74.8	-195.4	13.4	16.6	114.6	0.007	8.0	2.56
71.4	9.2	0.01	23.7					
354.400	75.4	-195.4	13.3	16.6	112.9	0.009	8.0	2.56
71.4	9.6	0.01	23.5					
354.500	75.3	-195.4	13.3	16.5	111.2	0.007	8.0	2.55
71.4	9.8	0.01	24.6					
354.600	74.9	-195.4	13.3	16.5	107.9	0.010	8.0	2.55
71.4	10.1	0.02	24.5					
354.700	74.4	-195.3	13.4	16.5	105.8	0.008	8.0	2.55
71.4	10.1	0.02	25.0					
354.800	74.5	-195.3	13.4	16.4	106.4	0.008	8.0	2.54
71.4	10.7	0.02	24.7					
354.900	74.3	-195.2	13.5	16.3	107.7	0.006	8.0	2.54
71.4	10.6	0.02	24.8					
355.000	75.2	-195.1	13.3	16.2	109.9	0.006	8.0	2.53
71.4	11.1	0.02	24.8					
355.100	75.8	-195.0	13.2	16.1	108.1	0.006	8.0	2.53
71.4	11.1	0.02	24.7					
355.200	76.4	-194.9	13.1	16.1	106.6	0.006	8.0	2.53
71.4	11.0	0.02	25.0					
355.300	76.9	-194.9	13.0	16.1	106.2	0.009	8.0	2.53
71.5	10.9	0.02	25.7					
355.400	76.8	-194.9	13.0	16.1	107.9	0.010	8.0	2.53
71.4	11.2	0.02	25.8					
355.500	76.6	-194.9	13.1	16.1	107.3	0.006	8.0	2.53
71.5	11.1	0.02	26.7					
355.600	76.1	-194.8	13.1	16.1	108.1	0.005	8.0	2.52
71.5	11.6	0.02	27.0					
355.700	76.1	-194.8	13.1	16.1	112.3	-0.003	8.0	2.52
71.5	11.6	0.02	27.5					
355.800	75.8	-194.9	13.2	16.0	115.9	-0.002	8.0	2.52
71.5	11.6	0.02	27.5					
355.900	76.2	-194.8	13.1	15.9	115.9	-0.003	7.9	2.53
71.5	11.3	0.02	28.2					
356.000	76.1	-194.9	13.1	15.8	114.8	-0.003	8.0	2.52
71.5	11.7	0.02	27.6					
356.100	77.0	-194.8	13.0	15.9	117.0	-0.004	8.0	2.52
71.5	11.7	0.02	27.8					
356.200	76.7	-194.8	13.0	15.8	117.4	-0.006	8.0	2.52
71.5	11.5	0.02	27.6					
356.300	76.7	-194.8	13.0	15.8	116.6	-0.007	8.0	2.53
71.5	11.3	0.02	27.7					
356.400	76.7	-194.7	13.0	15.7	114.2	-0.005	8.0	2.53
71.5	11.2	0.02	27.8					
356.500	77.5	-194.6	12.9	15.7	111.6	-0.006	8.0	2.54
71.5	10.8	0.02	27.6					
356.600	78.2	-194.6	12.8	15.8	114.6	-0.008	8.0	2.54
71.5	10.8	0.02	27.4					
356.700	78.2	-194.7	12.8	15.7	114.4	-0.008	8.0	2.54
71.5	10.7	0.02	27.6					

356.800	77.4	-194.7	12.9	15.6	111.0	-0.006	8.0	2.54
71.5	10.6	0.02	27.3					
356.900	76.5	-194.7	13.1	15.7	110.7	-0.006	8.0	2.54
71.5	10.9	0.02	27.3					
357.000	76.7	-194.7	13.0	15.7	109.0	-0.005	8.0	2.54
71.5	10.9	0.02	26.9					
357.100	77.3	-194.7	12.9	15.7	108.8	-0.006	8.0	2.54
71.5	10.4	0.02	26.7					
357.200	78.4	-194.8	12.8	15.7	106.0	-0.007	8.0	2.54
71.5	10.3	0.02	26.3					
357.300	78.3	-195.0	12.8	15.7	102.1	-0.005	8.0	2.54
71.5	10.6	0.02	26.1					
357.400	78.4	-195.2	12.8	15.7	102.1	-0.005	8.0	2.53
71.5	10.9	0.02	25.4					
357.500	78.6	-195.6	12.7	15.7	101.9	-0.004	8.0	2.54
71.5	10.6	0.02	25.4					
357.600	79.0	-195.8	12.7	15.8	101.0	-0.002	8.0	2.54
71.5	10.5	0.02	25.2					
357.700	79.4	-196.0	12.6	15.7	100.1	-0.003	8.0	2.54
71.5	10.8	0.01	25.1					
357.800	79.1	-196.2	12.6	15.6	104.9	-0.005	8.0	2.54
71.5	10.7	0.02	25.0					
357.900	79.2	-196.3	12.6	15.6	110.3	-0.003	8.0	2.54
71.5	10.6	0.02	25.1					
358.000	78.9	-196.4	12.7	15.5	116.4	-0.003	8.0	2.53
71.5	11.0	0.01	25.2					
358.100	78.8	-196.5	12.7	15.5	114.4	-0.006	8.0	2.54
71.5	10.8	0.02	25.4					
358.200	78.7	-196.6	12.7	15.5	116.6	-0.004	8.0	2.53
71.5	11.0	0.02	25.3					
358.300	79.3	-196.7	12.6	15.4	115.9	-0.004	8.0	2.54
71.5	10.8	0.02	24.8					
358.400	80.1	-196.9	12.5	15.5	113.1	-0.000	8.0	2.54
71.5	10.4	0.02	24.7					
358.500	80.2	-196.8	12.5	15.4	117.0	0.000	8.0	2.55
71.5	10.1	0.02	24.5					
358.600	79.8	-196.7	12.5	15.5	115.7	0.002	8.0	2.55
71.5	10.1	0.02	24.5					
358.700	79.0	-196.8	12.7	15.5	111.8	0.004	8.0	2.54
71.5	10.3	0.02	24.8					
358.800	79.2	-196.8	12.6	15.4	110.3	0.005	8.0	2.55
71.5	9.8	0.02	24.5					
358.900	79.9	-196.8	12.5	15.3	111.6	0.007	8.0	2.56
71.5	9.2	0.02	24.4					
359.000	80.3	-196.8	12.5	15.3	113.1	0.010	8.0	2.56
71.5	9.1	0.02	24.5					
359.100	80.0	-196.9	12.5	15.2	116.1	0.014	8.0	2.56
71.5	9.1	0.02	25.0					
359.200	79.0	-197.0	12.7	15.1	119.6	0.010	8.0	2.57
71.5	8.7	0.02	25.3					
359.300	79.2	-197.1	12.6	15.1	116.4	0.010	8.0	2.57
71.5	9.0	0.02	25.4					
359.400	80.0	-197.1	12.5	15.0	114.2	0.011	8.0	2.56
71.5	9.3	0.02	25.3					

359.500	80.9	-197.2	12.4	15.0	112.5	0.009	8.0	2.57
71.5	8.9	0.02 25.3						
359.600	81.2	-197.2	12.3	15.0	111.4	0.008	8.0	2.56
71.5	9.3	0.02 25.2						
359.700	80.8	-197.3	12.4	14.9	108.8	0.005	8.0	2.56
71.5	9.2	0.02 25.2						
359.800	80.5	-197.4	12.4	14.9	111.8	0.004	8.0	2.56
71.5	9.2	0.02 25.3						
359.900	79.9	-197.5	12.5	15.0	113.5	0.003	8.0	2.56
71.5	9.2	0.02 25.7						
360.000	79.9	-197.7	12.5	15.0	111.8	0.002	8.0	2.56
71.5	9.3	0.02 25.8						
360.100	80.5	-197.9	12.4	14.9	111.6	0.004	8.0	2.56
71.5	9.4	0.02 26.0						
360.200	81.3	-198.0	12.3	15.0	115.5	0.001	8.0	2.55
71.6	9.7	0.02 26.0						
360.300	81.3	-198.2	12.3	15.0	117.2	-0.003	8.0	2.54
71.5	10.3	0.02 25.9						
360.400	81.0	-198.3	12.3	15.0	116.8	-0.004	8.0	2.54
71.6	10.3	0.02 25.5						
360.500	80.8	-198.4	12.4	15.0	116.8	0.002	8.0	2.54
71.5	10.6	0.02 25.5						
360.600	81.7	-198.5	12.2	15.0	116.4	0.000	8.0	2.55
71.6	10.2	0.02 25.3						
360.700	82.1	-198.6	12.2	15.0	114.0	0.001	8.0	2.54
71.6	10.6	0.02 24.9						
360.800	82.3	-198.7	12.2	15.0	110.7	0.001	8.0	2.54
71.5	10.3	0.02 25.4						
360.900	81.8	-198.8	12.2	14.9	110.3	0.003	8.0	2.55
71.6	10.2	0.02 26.1						
361.000	81.6	-198.9	12.3	14.8	106.4	0.003	8.0	2.54
71.6	10.4	0.02 26.3						
361.100	81.6	-199.0	12.2	14.7	105.1	0.003	8.0	2.54
71.6	10.3	0.02 26.6						
361.200	82.3	-199.1	12.1	14.7	104.7	0.003	8.0	2.55
71.6	10.1	0.02 26.6						
361.300	82.5	-199.2	12.1	14.6	103.2	0.004	8.0	2.55
71.6	10.2	0.02 26.6						
361.400	82.9	-199.3	12.1	14.5	107.9	0.005	8.0	2.55
71.6	10.2	0.02 26.1						
361.500	82.4	-199.3	12.1	14.5	107.7	0.006	8.0	2.55
71.6	10.0	0.02 25.9						
361.600	83.2	-199.5	12.0	14.5	107.7	0.009	8.0	2.56
71.6	9.5	0.02 25.8						
361.700	83.3	-199.5	12.0	14.5	108.8	0.013	8.0	2.56
71.6	9.5	0.01 25.7						
361.800	84.2	-199.7	11.9	14.5	111.2	0.009	8.0	2.56
71.6	9.5	0.01 26.0						
361.900	83.7	-199.8	11.9	14.5	109.4	0.009	8.0	2.56
71.6	9.4	0.01 26.9						
362.000	83.5	-199.9	12.0	14.5	107.9	0.010	8.0	2.56
71.6	9.2	0.01 26.9						
362.100	82.9	-200.0	12.1	14.5	107.9	0.012	8.0	2.56
71.6	9.5	0.01 26.5						

362.200	82.9	-200.0	12.1	14.5	109.7	0.013	8.0	2.57
71.6	8.9	0.01 26.8						
362.300	83.2	-200.1	12.0	14.5	110.5	0.017	8.0	2.56
71.6	9.1	0.01 26.2						
362.400	83.4	-200.3	12.0	14.4	107.1	0.017	8.0	2.57
71.6	8.8	0.01 25.7						
362.500	84.1	-200.3	11.9	14.4	108.4	0.019	8.0	2.57
71.6	8.4	0.01 25.5						
362.600	84.2	-200.5	11.9	14.3	112.7	0.018	8.0	2.58
71.6	7.9	0.01 25.3						
362.700	84.8	-200.6	11.8	14.2	112.3	0.020	8.0	2.58
71.6	7.8	0.01 25.8						
362.800	84.4	-200.7	11.8	14.1	116.1	0.021	8.0	2.58
71.6	8.0	0.01 26.1						
362.900	85.3	-200.8	11.7	14.0	113.8	0.018	8.0	2.58
71.6	8.1	0.01 26.3						
363.000	85.6	-200.9	11.7	13.9	115.7	0.015	8.0	2.57
71.6	8.6	0.01 26.4						
363.100	85.3	-201.1	11.7	13.9	117.0	0.015	8.0	2.56
71.6	9.0	0.01 26.1						
363.200	85.2	-201.2	11.7	13.9	115.1	0.018	8.0	2.57
71.6	8.8	0.01 25.8						
363.300	85.3	-201.4	11.7	14.0	114.6	0.018	8.0	2.58
71.6	8.3	0.01 25.9						
363.400	86.0	-201.5	11.6	14.0	116.8	0.020	8.0	2.57
71.6	8.6	0.01 25.6						
363.500	86.2	-201.7	11.6	14.0	118.5	0.018	8.0	2.57
71.6	8.4	0.01 25.3						
363.600	85.8	-201.8	11.7	14.1	116.8	0.016	8.0	2.57
71.6	8.5	0.01 26.3						
363.700	86.3	-201.9	11.6	14.1	113.1	0.017	8.0	2.56
71.6	9.0	0.01 26.1						
363.800	85.7	-202.0	11.7	14.1	115.7	0.014	8.0	2.58
71.6	8.3	0.01 26.0						
363.900	85.8	-202.2	11.7	14.0	117.4	0.019	8.0	2.57
71.6	8.7	0.01 26.2						
364.000	86.0	-202.4	11.6	13.9	118.3	0.016	8.0	2.57
71.6	8.7	0.01 26.4						
364.100	87.0	-202.5	11.5	13.8	117.2	0.016	8.0	2.56
71.6	9.1	0.01 26.4						
364.200	87.3	-202.6	11.5	13.8	121.6	0.019	8.0	2.56
71.6	9.4	0.01 26.4						
364.300	86.7	-202.6	11.5	13.7	117.7	0.019	8.0	2.56
71.6	9.4	0.01 26.3						
364.400	87.2	-202.7	11.5	13.7	118.7	0.019	8.0	2.56
71.6	9.5	0.01 28.0						
364.500	87.6	-202.8	11.4	13.7	119.2	0.017	8.0	2.56
71.6	9.1	0.01 28.6						
364.600	88.8	-202.9	11.3	13.7	118.3	0.018	8.0	2.56
71.6	9.2	0.01 28.6						
364.700	88.9	-203.1	11.2	13.7	121.8	0.014	8.0	2.56
71.6	9.2	0.01 28.6						
364.800	88.6	-203.2	11.3	13.8	119.4	0.013	8.0	2.56
71.6	9.3	0.01 28.5						

364.900	87.9	-203.3	11.4	13.7	115.9	0.015	8.0	2.56
71.6	9.3	0.01 28.6						
365.000	86.5	-203.4	11.6	13.7	116.8	0.015	8.0	2.55
71.6	9.8	0.01 28.6						
365.100	86.7	-203.5	11.5	13.6	115.9	0.013	8.0	2.56
71.6	9.4	0.01 28.2						
365.200	86.7	-203.6	11.5	13.6	116.4	0.009	8.0	2.56
71.6	9.4	0.01 29.4						
365.300	87.2	-203.8	11.5	13.5	119.0	0.006	8.0	2.55
71.6	9.7	0.01 30.1						
365.400	87.4	-204.0	11.4	13.5	121.1	0.005	8.0	2.55
71.6	9.6	0.01 30.1						
365.500	88.2	-204.2	11.3	13.4	120.5	0.003	8.0	2.55
71.6	9.9	0.01 30.0						
365.600	88.9	-204.4	11.3	13.5	119.4	0.001	8.0	2.55
71.6	9.9	0.01 30.1						
365.700	88.8	-204.6	11.3	13.4	119.0	0.002	8.0	2.55
71.6	10.1	0.01 29.6						
365.800	88.0	-204.7	11.4	13.4	118.3	0.002	8.0	2.55
71.6	9.7	0.01 29.4						
365.900	88.0	-204.9	11.4	13.3	117.4	0.001	8.0	2.55
71.6	9.6	0.01 27.7						
366.000	88.3	-205.1	11.3	13.3	118.5	0.001	8.0	2.55
71.6	9.8	0.01 27.0						
366.100	88.8	-205.4	11.3	13.3	120.3	0.001	8.0	2.55
71.6	9.7	0.01 27.1						
366.200	89.1	-205.6	11.2	13.3	116.1	0.000	8.0	2.55
71.6	10.0	0.01 27.1						
366.300	89.3	-205.8	11.2	13.1	115.1	-0.002	8.0	2.55
71.6	10.1	0.01 27.3						
366.400	89.7	-206.1	11.1	13.1	119.0	0.000	8.0	2.55
71.7	9.9	0.01 27.1						
366.500	89.5	-206.3	11.2	13.0	117.4	-0.000	8.0	2.55
71.6	9.6	0.01 27.6						
366.600	89.8	-206.5	11.1	13.0	119.2	0.002	8.0	2.55
71.6	10.0	0.02 27.8						
366.700	89.9	-206.7	11.1	12.9	119.0	0.002	8.0	2.56
71.6	9.5	0.02 26.7						
366.800	90.5	-206.8	11.1	12.8	115.5	0.004	8.0	2.55
71.6	9.8	0.02 25.8						
366.900	90.3	-207.0	11.1	12.8	112.0	0.004	8.0	2.55
71.7	9.6	0.02 25.7						
367.000	89.6	-207.2	11.2	12.8	110.5	0.008	8.0	2.56
71.6	9.3	0.02 25.9						
367.100	89.5	-207.3	11.2	12.7	113.5	0.009	8.0	2.56
71.7	9.3	0.02 25.9						
367.200	90.2	-207.4	11.1	12.6	114.8	0.007	8.0	2.57
71.7	8.8	0.02 26.2						
367.300	91.3	-207.6	10.9	12.6	118.5	0.010	8.0	2.57
71.7	8.8	0.02 26.3						
367.400	92.0	-207.7	10.9	12.5	119.6	0.013	8.0	2.57
71.7	8.5	0.02 26.3						
367.500	91.8	-207.9	10.9	12.4	119.0	0.014	8.0	2.57
71.7	8.5	0.02 26.3						

367.600	91.9	-208.0	10.9	12.3	118.1	0.016	8.0	2.58
71.7	8.0	0.02 26.4						
367.700	91.9	-208.2	10.9	12.3	119.6	0.020	8.0	2.59
71.7	7.8	0.02 26.7						
367.800	92.6	-208.6	10.8	12.2	120.9	0.019	8.0	2.58
71.7	7.8	0.02 26.6						
367.900	93.7	-209.0	10.7	12.0	121.1	0.018	8.0	2.58
71.7	8.1	0.02 26.6						
368.000	94.9	-209.4	10.5	11.9	123.1	0.018	8.0	2.58
71.7	8.1	0.02 26.7						
368.100	96.3	-209.8	10.4	11.8	119.8	0.018	8.0	2.58
71.7	7.9	0.02 26.4						
368.200	97.2	-210.2	10.3	11.7	123.5	0.017	8.0	2.58
71.7	8.3	0.02 26.3						
368.300	97.9	-210.7	10.2	11.6	126.7	0.013	8.0	2.58
71.7	8.2	0.02 26.7						
368.400	98.0	-211.1	10.2	11.6	133.2	0.012	8.0	2.57
71.7	8.7	0.02 26.7						
368.500	98.5	-211.5	10.1	11.5	133.7	0.011	8.0	2.56
71.7	9.1	0.02 26.9						
368.600	99.2	-211.9	10.1	11.4	131.5	0.007	8.0	2.57
71.7	8.8	0.01 26.9						
368.700	100.0	-212.3	10.0	11.3	128.0	0.007	8.0	2.56
71.7	9.1	0.02 26.7						
368.800	100.9	-212.6	9.9	11.2	127.8	0.006	8.0	2.56
71.7	9.0	0.02 26.3						
368.900	101.8	-213.0	9.8	11.1	128.0	0.009	8.0	2.56
71.7	9.0	0.02 26.6						
369.000	102.8	-213.3	9.7	11.0	129.8	0.004	8.0	2.56
71.7	9.3	0.02 26.8						
369.100	104.5	-213.6	9.6	10.8	129.8	0.002	8.0	2.55
71.7	10.2	0.02 26.9						
369.200	105.1	-213.8	9.5	10.7	131.1	-0.000	8.0	2.55
71.7	10.1	0.01 26.7						
369.300	105.4	-214.1	9.5	10.6	133.7	0.001	8.0	2.55
71.7	9.7	0.01 26.8						
369.400	105.2	-214.4	9.5	10.4	136.0	0.005	8.0	2.55
71.7	9.8	0.01 27.1						
369.500	105.8	-214.6	9.5	10.4	136.5	0.007	8.0	2.55
71.7	9.9	0.02 26.8						
369.600	106.7	-214.7	9.4	10.3	140.8	0.008	8.0	2.55
71.7	10.0	0.01 27.1						
369.700	107.7	-214.9	9.3	10.2	141.2	0.008	8.0	2.55
71.7	9.7	0.01 27.2						
369.800	108.2	-215.2	9.2	10.2	142.1	0.011	8.0	2.55
71.7	10.1	0.01 27.4						
369.900	109.7	-215.4	9.1	10.1	135.2	0.009	8.0	2.55
71.7	9.9	0.01 27.4						
370.000	110.5	-215.2	9.1	10.0	137.3	0.005	8.0	2.56
71.7	9.0	0.01 27.1						
370.100	112.6	-215.1	8.9	10.0	137.3	0.009	8.0	2.56
71.7	9.2	0.02 27.4						
370.200	112.5	-214.9	8.9	9.9	134.3	0.007	8.0	2.57
71.7	8.9	0.01 27.0						

370.300	113.6	-214.7	8.8	9.8	130.4	0.010	8.0	2.57
71.7	8.9	0.01 27.5						
370.400	113.8	-214.6	8.8	9.7	127.4	0.014	8.0	2.56
71.7	9.1	0.01 27.7						
370.500	115.6	-214.5	8.7	9.6	124.4	0.017	8.0	2.57
71.7	8.7	0.01 27.4						
370.600	115.5	-214.4	8.7	9.5	122.2	0.017	8.0	2.59
71.7	7.8	0.01 27.4						
370.700	116.1	-214.3	8.6	9.5	123.1	0.014	8.0	2.59
71.7	7.3	0.02 27.3						
370.800	116.0	-214.2	8.6	9.4	121.8	0.016	8.0	2.59
71.7	7.7	0.02 27.8						
370.900	116.9	-214.1	8.6	9.3	117.9	0.017	8.0	2.59
71.7	7.6	0.01 27.6						
371.000	116.4	-214.1	8.6	9.3	120.3	0.019	8.0	2.59
71.7	7.5	0.01 27.9						
371.100	117.1	-214.8	8.5	9.2	119.6	0.018	8.0	2.59
71.7	7.5	0.02 28.1						
371.200	117.6	-215.5	8.5	9.2	120.3	0.021	8.0	2.59
71.7	7.7	0.01 28.2						
371.300	118.0	-215.8	8.5	9.2	116.6	0.022	8.0	2.59
71.7	7.5	0.02 28.0						
371.400	118.0	-216.4	8.5	9.1	121.8	0.017	8.0	2.59
71.7	7.3	0.02 28.2						
371.500	118.0	-217.0	8.5	9.1	120.9	0.017	8.0	2.58
71.7	8.2	0.02 28.1						
371.600	119.2	-217.9	8.4	9.1	121.8	0.015	8.0	2.58
71.7	8.1	0.02 27.8						
371.700	119.6	-218.8	8.4	9.2	125.4	0.015	8.0	2.58
71.7	8.3	0.02 28.1						
371.800	120.1	-219.5	8.3	9.2	129.1	0.018	8.0	2.57
71.7	8.7	0.02 27.9						
371.900	120.6	-220.2	8.3	9.3	131.9	0.019	8.0	2.57
71.7	8.6	0.02 28.3						
372.000	121.0	-221.6	8.3	9.3	133.7	0.017	8.0	2.57
71.7	8.6	0.02 28.3						
372.100	121.5	-223.2	8.2	9.3	136.7	0.017	8.0	2.56
71.7	9.3	0.02 28.4						
372.200	121.3	-223.9	8.2	9.3	137.1	0.015	8.0	2.55
71.7	9.9	0.02 28.5						
372.300	121.7	-224.3	8.2	9.3	139.3	0.010	8.0	2.55
71.7	10.0	0.02 28.2						
372.400	121.7	-224.0	8.2	9.3	141.2	0.009	8.0	2.56
71.7	9.4	0.02 28.1						
372.500	121.8	-223.3	8.2	9.3	141.0	0.012	8.0	2.55
71.7	9.9	0.02 28.1						
372.600	122.5	-222.4	8.2	9.3	140.8	0.010	8.0	2.56
71.7	9.5	0.02 27.6						
372.700	122.6	-221.2	8.2	9.3	137.1	0.014	8.0	2.56
71.7	9.5	0.02 28.8						
372.800	122.6	-220.2	8.2	9.3	141.0	0.015	8.0	2.57
71.7	8.7	0.02 29.0						
372.900	122.1	-219.4	8.2	9.3	137.1	0.021	8.0	2.57
71.7	8.6	0.02 29.0						

373.000	122.4	-218.4	8.2	9.4	138.0	0.021	8.0	2.57
71.8	8.6	0.02 28.8						
373.100	122.5	-216.7	8.2	9.4	136.9	0.016	8.0	2.57
71.8	8.4	0.02 28.6						
373.200	122.4	-214.9	8.2	9.4	136.3	0.018	8.0	2.57
71.8	8.8	0.02 28.4						
373.300	122.4	-213.7	8.2	9.4	131.5	0.013	8.0	2.57
71.8	8.9	0.02 28.4						
373.400	122.1	-212.8	8.2	9.4	127.8	0.011	8.0	2.57
71.8	8.9	0.02 27.8						
373.500	122.0	-212.9	8.2	9.4	125.2	0.013	8.0	2.56
71.8	9.2	0.02 27.7						
373.600	121.4	-213.5	8.2	9.4	125.7	0.015	8.0	2.57
71.8	8.7	0.02 27.6						
373.700	121.3	-214.1	8.2	9.3	124.4	0.018	8.0	2.57
71.8	8.4	0.02 27.8						
373.800	121.6	-214.8	8.2	9.4	122.0	0.016	8.0	2.57
71.8	8.7	0.02 27.8						
373.900	121.5	-215.7	8.2	9.4	121.8	0.017	8.0	2.57
71.8	8.9	0.02 27.9						
374.000	121.4	-216.6	8.2	9.4	117.4	0.014	8.0	2.57
71.8	8.5	0.02 27.9						
374.100	121.1	-218.2	8.3	9.4	118.5	0.012	8.0	2.57
71.8	8.7	0.02 27.9						
374.200	121.1	-220.1	8.3	9.4	120.7	0.008	8.0	2.57
71.8	8.8	0.02 26.6						
374.300	121.0	-221.9	8.3	9.4	116.6	0.006	8.0	2.56
71.8	9.4	0.02 25.9						
374.400	120.3	-223.6	8.3	9.4	116.6	0.007	8.0	2.56
71.8	9.4	0.02 25.7						
374.500	119.5	-224.9	8.4	9.4	114.0	0.005	8.0	2.56
71.8	9.2	0.02 26.0						
374.600	119.0	-226.3	8.4	9.4	114.2	0.008	8.0	2.55
71.8	9.9	0.02 25.7						
374.700	119.2	-227.6	8.4	9.4	116.4	0.008	8.0	2.55
71.8	9.9	0.02 25.9						
374.800	119.0	-228.9	8.4	9.4	121.8	0.006	8.0	2.55
71.8	9.7	0.02 25.7						
374.900	119.4	-230.3	8.4	9.3	123.9	0.007	8.0	2.55
71.8	9.9	0.02 26.0						
375.000	119.0	-231.5	8.4	9.3	125.2	0.007	8.0	2.55
71.8	10.1	0.02 26.4						
375.100	119.6	-232.6	8.4	9.3	120.9	0.005	8.0	2.54
71.8	10.6	0.02 26.6						
375.200	119.5	-233.2	8.4	9.3	120.0	0.006	8.0	2.54
71.8	10.7	0.02 26.4						
375.300	119.6	-233.6	8.4	9.2	123.5	0.007	8.0	2.54
71.8	10.5	0.02 26.3						
375.400	119.3	-234.2	8.4	9.2	122.2	0.008	8.0	2.54
71.8	10.7	0.02 26.6						
375.500	119.0	-234.7	8.4	9.2	121.6	0.007	8.0	2.54
71.8	10.4	0.02 26.3						
375.600	119.7	-235.6	8.4	9.2	117.2	0.007	8.0	2.54
71.8	10.5	0.02 26.4						

375.700	119.8	-236.6	8.4	9.2	115.5	0.009	8.0	2.54
71.8	10.5	0.02	26.5					
375.800	120.9	-237.8	8.3	9.2	117.0	0.010	8.0	2.54
71.8	10.5	0.02	27.0					
375.900	121.0	-239.2	8.3	9.2	123.1	0.010	8.0	2.54
71.8	10.4	0.01	27.1					
376.000	121.6	-240.9	8.2	9.2	123.9	0.012	8.0	2.54
71.8	10.4	0.02	27.3					
376.100	121.6	-242.7	8.2	9.2	126.1	0.013	8.0	2.55
71.8	10.2	0.02	28.2					
376.200	121.8	-245.0	8.2	9.2	126.3	0.012	8.0	2.55
71.8	10.1	0.02	28.1					
376.300	122.2	-248.2	8.2	9.1	124.8	0.009	8.0	2.55
71.8	9.8	0.02	28.3					
376.400	121.9	-253.2	8.2	9.2	118.7	0.012	8.0	2.55
71.8	9.9	0.02	27.9					
376.500	121.6	-258.2	8.2	9.1	117.0	0.011	8.0	2.56
71.8	9.6	0.02	27.6					
376.600	121.3	-263.5	8.2	9.1	123.5	0.008	8.0	2.56
71.8	9.4	0.02	27.2					
376.700	121.0	-268.5	8.3	9.1	123.9	0.006	8.0	2.56
71.9	9.3	0.02	27.4					
376.800	121.8	-273.3	8.2	9.1	119.8	0.007	8.0	2.56
71.8	9.1	0.02	27.5					
376.900	123.1	-278.0	8.1	9.1	120.3	0.007	8.0	2.56
71.8	9.2	0.02	27.4					
377.000	124.1	-282.4	8.1	9.1	122.2	0.005	8.0	2.56
71.9	9.4	0.02	27.2					
377.100	123.6	-286.5	8.1	9.0	124.4	0.004	8.0	2.56
71.9	9.3	0.02	27.2					
377.200	123.3	-290.5	8.1	9.0	127.8	0.005	8.0	2.56
71.9	9.2	0.02	27.4					
377.300	122.7	-293.9	8.1	9.0	126.1	0.006	8.0	2.57
71.9	8.4	0.02	27.4					
377.400	122.7	-296.2	8.1	9.0	121.1	0.009	8.0	2.57
71.9	8.6	0.02	28.0					
377.500	122.7	-296.5	8.1	9.0	123.7	0.011	8.0	2.57
71.9	8.6	0.02	28.3					
377.600	123.7	-296.6	8.1	9.1	124.1	0.011	8.0	2.57
71.9	8.6	0.02	27.8					
377.700	125.2	-296.8	8.0	9.1	122.0	0.007	8.0	2.57
71.9	8.4	0.02	27.8					
377.800	125.5	-297.1	8.0	9.1	122.0	0.010	8.0	2.57
71.9	8.9	0.02	27.9					
377.900	125.4	-297.3	8.0	9.1	131.3	0.011	8.0	2.57
71.9	8.7	0.02	27.9					
378.000	124.6	-297.7	8.0	9.0	136.5	0.013	8.0	2.57
71.9	8.4	0.02	28.4					
378.100	124.4	-298.3	8.0	9.0	131.5	0.017	8.0	2.57
71.9	8.8	0.02	28.4					
378.200	124.2	-298.9	8.1	9.0	131.9	0.018	8.0	2.56
71.9	9.4	0.02	28.3					
378.300	124.2	-298.9	8.1	9.0	132.4	0.018	8.0	2.56
71.9	9.5	0.02	27.9					

378.400	124.1	-299.0	8.1	9.0	133.0	0.018	8.0	2.57
71.9	8.7	0.02 27.5						
378.500	123.3	-299.4	8.1	9.0	134.3	0.025	8.0	2.57
71.9	8.9	0.02 27.9						
378.600	122.1	-299.7	8.2	9.0	135.4	0.021	8.0	2.57
71.9	8.7	0.02 27.8						
378.700	121.8	-299.9	8.2	9.0	131.5	0.015	8.0	2.57
71.9	8.4	0.02 27.4						
378.800	122.3	-300.5	8.2	9.1	131.9	0.015	8.0	2.56
71.9	9.0	0.02 27.3						
378.900	124.1	-301.0	8.1	9.1	132.2	0.011	8.0	2.57
71.9	8.6	0.02 26.8						
379.000	124.7	-301.7	8.0	9.1	127.4	0.014	8.0	2.57
71.9	8.5	0.02 26.2						
379.100	125.2	-302.1	8.0	9.1	123.7	0.014	8.0	2.58
71.9	8.0	0.02 26.1						
379.200	125.0	-302.2	8.0	9.2	121.3	0.014	8.0	2.59
71.9	7.7	0.02 26.0						
379.300	124.9	-302.2	8.0	9.2	122.2	0.018	8.0	2.59
71.9	7.3	0.01 26.1						
379.400	126.0	-302.7	7.9	9.2	118.5	0.019	8.0	2.59
71.9	7.3	0.02 25.7						
379.500	126.9	-303.6	7.9	9.2	116.8	0.022	8.0	2.59
71.9	7.7	0.02 25.3						
379.600	127.2	-304.5	7.9	9.2	116.8	0.023	8.0	2.60
71.9	7.0	0.02 25.1						
379.700	126.7	-305.9	7.9	9.2	117.7	0.024	8.0	2.61
71.9	6.3	0.02 25.1						
379.800	126.0	-306.9	7.9	9.1	118.5	0.019	8.0	2.61
71.9	6.4	0.01 25.6						
379.900	126.4	-307.5	7.9	9.1	119.6	0.021	8.0	2.59
71.9	7.4	0.01 25.4						
380.000	127.1	-307.9	7.9	9.1	120.9	0.022	8.0	2.59
71.9	7.5	0.01 24.8						
380.100	128.2	-308.1	7.8	9.0	119.8	0.019	8.0	2.58
71.9	7.9	0.02 24.8						
380.200	127.9	-308.3	7.8	9.0	121.6	0.021	8.0	2.57
71.9	8.6	0.02 25.7						
380.300	127.6	-308.6	7.8	8.9	123.5	0.017	8.0	2.57
71.9	8.7	0.02 25.9						
380.400	126.5	-308.6	7.9	8.8	125.2	0.016	8.0	2.57
71.9	8.9	0.02 26.0						
380.500	127.2	-308.3	7.9	8.8	129.1	0.016	8.0	2.56
71.9	9.2	0.01 25.8						
380.600	127.3	-307.7	7.9	8.8	129.8	0.012	8.0	2.55
71.9	9.7	0.01 25.9						
380.700	128.8	-307.2	7.8	8.8	133.2	0.006	8.0	2.55
71.9	10.1	0.02 26.5						
380.800	129.9	-306.2	7.7	8.8	134.3	0.002	8.0	2.54
71.9	10.3	0.02 26.6						
380.900	130.4	-305.5	7.7	8.9	136.0	0.003	8.0	2.54
71.9	10.6	0.02 27.2						
381.000	130.2	-305.0	7.7	8.9	134.5	0.001	8.0	2.53
71.9	10.9	0.02 26.9						

381.100	128.8	-304.8	7.8	9.0	139.5	-0.003	8.0	2.53
71.9	11.2	0.02	27.5					
381.200	128.8	-304.7	7.8	9.1	140.4	-0.002	8.0	2.53
71.9	11.2	0.02	27.5					
381.300	127.8	-304.7	7.8	9.2	140.6	-0.002	8.0	2.53
71.9	10.9	0.02	27.5					
381.400	126.6	-304.8	7.9	9.3	141.5	0.001	8.0	2.54
71.9	10.6	0.02	27.8					
381.500	125.0	-305.4	8.0	9.4	140.2	0.005	8.0	2.55
71.9	9.8	0.02	28.2					
381.600	124.1	-306.2	8.1	9.5	140.2	0.013	8.0	2.56
71.9	9.3	0.02	28.3					
381.700	124.0	-306.8	8.1	9.6	138.6	0.015	8.0	2.57
71.9	8.5	0.02	27.4					
381.800	123.0	-307.1	8.1	9.7	138.4	0.015	8.0	2.58
71.9	8.1	0.02	27.1					
381.900	122.0	-307.9	8.2	9.7	137.6	0.015	8.0	2.57
71.9	8.5	0.02	26.8					
382.000	121.3	-308.1	8.2	9.8	137.3	0.013	8.0	2.58
71.9	8.3	0.02	27.0					
382.100	121.4	-308.1	8.2	9.8	139.5	0.013	8.0	2.58
71.9	8.0	0.01	27.2					
382.200	121.6	-308.0	8.2	9.9	139.5	0.010	8.0	2.59
71.9	7.6	0.01	26.9					
382.300	120.9	-307.9	8.3	9.9	137.6	0.011	8.0	2.59
72.0	7.4	0.01	26.9					
382.400	121.0	-307.6	8.3	10.0	138.0	0.012	8.0	2.60
71.9	6.9	0.01	26.9					
382.500	120.2	-307.4	8.3	10.0	140.8	0.012	8.0	2.62
71.9	5.8	0.02	27.5					
382.600	119.7	-307.2	8.4	10.1	143.4	0.017	8.0	2.62
71.9	5.7	0.02	27.4					
382.700	118.9	-307.0	8.4	10.2	147.9	0.018	8.0	2.62
72.0	5.6	0.02	27.5					
382.800	116.5	-307.2	8.6	10.2	152.5	0.015	8.0	2.61
72.0	6.1	0.02	28.0					
382.900	114.1	-308.1	8.8	10.3	153.6	0.010	8.0	2.60
72.0	6.6	0.02	28.9					
383.000	110.2	-308.5	9.1	10.4	157.0	0.007	8.0	2.57
72.0	8.5	0.02	28.8					
383.100	108.2	-309.2	9.2	10.6	167.4	0.001	8.0	2.54
72.0	10.4	0.02	29.6					
383.200	104.4	-309.7	9.6	10.8	173.5	-0.002	8.0	2.50
72.0	12.8	0.02	30.3					
383.300	101.9	-310.2	9.8	10.9	181.7	-0.002	8.0	2.47
72.0	14.8	0.02	31.2					
383.400	99.4	-310.7	10.1	11.2	186.0	0.004	8.0	2.44
72.0	16.7	0.02	32.2					
383.500	98.3	-311.3	10.2	11.6	189.2	0.015	8.0	2.39
72.0	19.9	0.02	33.1					
383.600	97.6	-311.7	10.3	12.1	190.1	0.018	8.0	2.32
72.0	23.9	0.02	33.7					
383.700	98.0	-312.3	10.2	13.1	188.8	0.018	8.0	2.24
72.0	29.2	0.02	34.0					

383.800	100.1	-313.3	10.0	13.9	189.2	0.013	8.0	2.16
72.0	34.3	0.02 34.7						
383.900	101.3	-314.4	9.9	14.6	186.7	0.003	8.0	2.08
72.0	39.1	0.02 34.7						
384.000	103.0	-315.2	9.7	15.2	182.8	-0.003	8.0	2.00
72.0	44.0	0.02 36.2						
384.100	104.7	-315.8	9.6	15.7	174.1	-0.006	8.0	1.94
72.0	47.7	0.02 36.1						
384.200	107.0	-316.4	9.3	15.9	167.0	-0.004	8.0	1.89
72.0	51.0	0.02 36.2						
384.300	106.8	-317.5	9.4	15.9	159.2	-0.004	8.1	1.84
72.0	53.7	0.02 35.6						
384.400	105.8	-318.7	9.5	15.4	153.6	-0.004	8.1	1.81
72.0	56.0	0.02 35.1						
384.500	104.7	-319.9	9.6	14.8	144.9	-0.007	8.1	1.80
72.0	56.8	0.02 35.1						
384.600	105.0	-321.1	9.5	14.3	134.3	-0.009	8.0	1.80
72.0	56.7	0.01 35.2						
384.700	104.4	-322.1	9.6	13.8	128.9	-0.017	8.1	1.82
72.0	55.2	0.02 34.6						
384.800	102.7	-322.7	9.7	13.3	120.7	-0.028	8.1	1.85
72.0	53.7	0.02 34.1						
384.900	101.2	-322.7	9.9	12.7	113.8	-0.030	8.1	1.89
72.0	51.1	0.02 33.8						
385.000	99.9	-321.9	10.0	12.0	108.6	-0.027	8.0	1.94
72.0	48.1	0.02 32.9						
385.100	99.5	-320.8	10.1	11.6	104.9	-0.024	8.0	2.00
72.0	44.0	0.02 31.9						
385.200	98.9	-319.9	10.1	11.4	106.2	-0.018	8.0	2.08
72.0	39.4	0.02 31.7						
385.300	99.5	-318.7	10.0	11.5	104.5	-0.016	8.0	2.16
72.0	34.1	0.01 31.1						
385.400	99.3	-317.2	10.1	11.6	107.1	-0.009	8.1	2.24
72.0	29.1	0.01 30.7						
385.500	100.1	-315.7	10.0	11.9	105.1	-0.007	8.0	2.31
72.0	24.6	0.02 29.1						
385.600	99.4	-314.4	10.1	12.3	107.7	-0.000	8.0	2.38
72.0	20.4	0.01 28.7						
385.700	99.9	-313.1	10.0	12.9	104.2	0.010	8.0	2.43
72.0	17.2	0.01 28.3						
385.800	98.8	-311.9	10.1	13.5	105.8	0.016	8.1	2.48
72.0	14.2	0.01 27.9						
385.900	97.3	-310.8	10.3	13.8	106.8	0.026	8.0	2.52
72.0	11.5	0.01 27.3						
386.000	94.9	-309.8	10.5	14.0	112.0	0.034	8.1	2.56
72.0	9.4	0.02 26.8						
386.100	92.0	-308.8	10.9	14.2	111.0	0.038	8.1	2.59
72.0	7.7	0.02 26.1						
386.200	89.3	-307.8	11.2	14.2	107.1	0.046	8.0	2.59
72.0	7.2	0.02 25.8						
386.300	86.7	-306.9	11.5	14.2	106.4	0.045	8.0	2.59
72.0	7.3	0.02 25.3						
386.400	83.8	-306.6	11.9	14.1	107.3	0.047	8.0	2.58
72.0	7.8	0.02 24.7						

386.500	82.1	-306.5	12.2	13.8	105.1	0.048	8.0	2.59
72.0	7.6	0.02 24.4						
386.600	80.6	-306.5	12.4	13.6	105.3	0.052	8.0	2.60
72.0	7.1	0.02 23.9						
386.700	80.5	-306.3	12.4	13.3	101.7	0.055	8.0	2.60
72.0	6.8	0.02 23.7						
386.800	81.3	-305.8	12.3	13.0	103.4	0.053	8.0	2.59
72.0	7.2	0.02 23.4						
386.900	82.8	-305.7	12.1	12.7	98.2	0.047	8.0	2.60
72.0	7.0	0.02 24.0						
387.000	85.5	-305.8	11.7	12.6	99.9	0.043	8.0	2.60
72.0	6.7	0.02 23.7						
387.100	87.2	-305.6	11.5	12.4	102.5	0.042	8.0	2.60
72.0	7.1	0.02 23.9						
387.200	90.0	-305.8	11.1	12.4	104.7	0.037	8.1	2.61
72.0	6.3	0.02 23.9						
387.300	91.4	-306.4	10.9	12.4	103.6	0.036	8.2	2.62
72.0	5.7	0.02 23.9						
387.400	92.7	-307.2	10.8	12.4	102.1	0.034	8.2	2.63
72.0	5.0	0.02 23.6						
387.500	93.7	-307.8	10.7	12.4	96.9	0.030	8.1	2.64
72.0	4.5	0.02 23.8						
387.600	94.6	-308.2	10.6	12.3	96.5	0.031	8.0	2.64
72.0	4.3	0.02 23.4						
387.700	96.2	-308.5	10.4	12.3	100.4	0.033	8.0	2.64
72.1	4.1	0.02 23.2						
387.800	96.3	-308.5	10.4	12.2	100.6	0.030	8.0	2.66
72.0	3.3	0.02 23.0						
387.900	96.8	-308.9	10.3	12.1	100.6	0.030	8.0	2.66
72.1	3.1	0.02 22.8						
388.000	96.3	-309.1	10.4	12.0	102.3	0.024	8.0	2.68
72.1	2.1	0.02 22.6						
388.100	97.0	-308.7	10.3	11.8	101.9	0.029	8.0	2.67
72.1	2.6	0.02 23.4						
388.200	98.1	-308.4	10.2	11.7	104.0	0.031	8.0	2.69
72.1	1.4	0.02 23.1						
388.300	99.1	-308.2	10.1	11.6	103.2	0.036	8.0	2.69
72.1	1.1	0.02 23.0						
388.400	100.1	-307.7	10.0	11.6	103.6	0.038	8.0	2.69
72.0	1.2	0.02 22.2						
388.500	99.9	-307.0	10.0	11.5	103.8	0.038	8.0	2.68
72.1	1.9	0.02 22.0						
388.600	101.1	-306.6	9.9	11.4	99.7	0.034	8.0	2.67
72.1	2.3	0.02 21.5						
388.700	101.6	-306.2	9.8	11.3	101.0	0.031	8.0	2.66
72.1	3.2	0.02 21.4						
388.800	102.8	-306.0	9.7	11.4	104.0	0.024	8.0	2.64
72.1	4.1	0.02 21.5						
388.900	103.1	-306.5	9.7	11.3	105.3	0.018	8.0	2.64
72.1	4.6	0.02 21.8						
389.000	104.4	-306.8	9.6	11.4	106.2	0.019	8.0	2.63
72.1	4.7	0.02 21.9						
389.100	105.7	-307.0	9.5	11.4	107.7	0.022	8.0	2.62
72.1	5.3	0.02 22.0						

389.200	106.1	-307.7	9.4	11.5	107.7	0.020	8.0	2.63
72.1	4.7	0.02 22.2						
389.300	105.2	-308.5	9.5	11.5	106.4	0.024	8.0	2.63
72.1	4.9	0.02 22.4						
389.400	104.3	-309.3	9.6	11.6	107.1	0.018	8.0	2.63
72.1	4.7	0.02 22.7						
389.500	103.8	-310.0	9.6	11.6	104.9	0.017	8.0	2.62
72.1	5.6	0.02 23.1						
389.600	104.2	-310.7	9.6	11.5	106.0	0.010	8.0	2.62
72.1	5.4	0.02 22.7						
389.700	104.3	-311.4	9.6	11.5	105.8	0.009	8.0	2.61
72.1	6.5	0.02 22.7						
389.800	104.2	-312.0	9.6	11.5	105.3	0.011	8.0	2.60
72.1	6.6	0.02 22.3						
389.900	104.1	-312.5	9.6	11.4	105.3	0.014	8.0	2.61
72.1	6.3	0.02 22.2						
390.000	103.9	-312.6	9.6	11.4	104.5	0.018	8.0	2.62
72.1	5.4	0.02 22.5						
390.100	104.7	-312.6	9.6	11.3	104.5	0.027	8.0	2.63
72.1	5.0	0.02 23.1						
390.200	104.3	-312.7	9.6	11.2	104.9	0.031	8.0	2.64
72.1	4.6	0.02 23.2						
390.300	104.4	-312.8	9.6	11.1	101.7	0.029	8.0	2.64
72.1	4.1	0.02 23.5						
390.400	103.7	-312.8	9.6	11.1	100.6	0.025	8.0	2.64
72.1	4.3	0.02 23.4						
390.500	104.7	-312.8	9.6	11.1	104.0	0.025	8.0	2.64
72.1	4.4	0.02 23.3						
390.600	105.2	-312.8	9.5	11.0	104.2	0.019	8.0	2.64
72.1	4.5	0.02 23.0						
390.700	106.0	-312.8	9.4	10.9	102.5	0.018	8.0	2.62
72.1	5.3	0.02 23.2						
390.800	106.1	-312.8	9.4	10.9	104.7	0.018	8.0	2.63
72.1	5.0	0.02 23.3						
390.900	106.4	-312.8	9.4	11.0	107.9	0.020	8.0	2.63
72.1	5.1	0.02 23.1						
391.000	106.9	-312.8	9.4	11.0	111.8	0.021	8.0	2.63
72.1	5.1	0.02 22.9						
391.100	106.8	-312.9	9.4	10.9	111.2	0.020	8.0	2.63
72.1	5.1	0.02 22.7						
391.200	106.6	-312.9	9.4	11.0	110.1	0.018	8.0	2.64
72.1	4.4	0.02 22.9						
391.300	106.3	-313.0	9.4	11.0	109.2	0.022	8.0	2.63
72.1	4.7	0.02 23.5						
391.400	106.3	-312.9	9.4	11.0	111.8	0.015	8.0	2.63
72.1	5.0	0.02 23.4						
391.500	106.2	-313.0	9.4	11.0	111.0	0.015	8.0	2.62
72.1	5.9	0.02 23.5						
391.600	105.7	-313.0	9.5	11.0	112.0	0.012	8.0	2.61
72.1	6.5	0.01 23.1						
391.700	105.4	-313.0	9.5	11.0	110.5	0.011	8.0	2.61
72.1	6.4	0.01 23.1						
391.800	105.2	-313.1	9.5	11.0	109.9	0.011	8.0	2.61
72.1	6.1	0.01 23.0						

391.900	105.6	-313.1	9.5	10.9	107.7	0.015	8.0	2.61
72.1	6.1	0.01 23.1						
392.000	105.6	-313.1	9.5	10.9	104.7	0.016	8.0	2.61
72.1	6.2	0.01 23.0						
392.100	106.4	-313.2	9.4	10.9	104.2	0.016	8.0	2.62
72.1	5.4	0.01 23.2						
392.200	107.1	-313.2	9.3	10.9	108.1	0.017	8.0	2.63
72.1	5.2	0.01 23.1						
392.300	107.8	-313.2	9.3	10.9	106.8	0.017	8.0	2.62
72.1	5.6	0.01 23.2						
392.400	106.8	-313.3	9.4	10.9	105.5	0.017	8.0	2.62
72.1	5.8	0.01 23.4						
392.500	106.8	-313.3	9.4	10.9	103.4	0.017	8.0	2.62
72.1	5.8	0.02 23.4						
392.600	108.1	-313.4	9.3	10.9	103.0	0.010	8.0	2.61
72.1	6.3	0.02 23.2						
392.700	109.5	-313.6	9.1	10.8	104.0	0.009	8.0	2.60
72.1	6.8	0.02 23.1						
392.800	110.0	-313.7	9.1	10.8	103.2	0.011	8.0	2.61
72.1	6.5	0.02 23.1						
392.900	108.7	-313.8	9.2	10.7	99.5	0.014	8.0	2.60
72.1	6.6	0.02 23.6						
393.000	108.2	-313.8	9.2	10.7	99.1	0.017	8.0	2.61
72.1	6.5	0.02 23.7						
393.100	107.8	-313.9	9.3	10.6	97.3	0.018	8.0	2.61
72.2	6.0	0.02 23.9						
393.200	108.5	-314.0	9.2	10.6	98.4	0.016	8.0	2.61
72.1	6.4	0.02 24.0						
393.300	108.5	-314.1	9.2	10.5	100.1	0.016	8.0	2.60
72.2	6.7	0.02 24.0						
393.400	108.9	-314.1	9.2	10.4	102.5	0.016	8.0	2.61
72.2	6.2	0.02 23.8						
393.500	108.2	-314.2	9.2	10.4	105.1	0.016	8.0	2.61
72.1	6.0	0.02 23.7						
393.600	107.9	-314.2	9.3	10.4	104.9	0.018	8.0	2.60
72.1	6.7	0.02 24.1						
393.700	107.4	-314.2	9.3	10.4	102.3	0.016	8.0	2.60
72.2	6.7	0.02 24.2						
393.800	107.9	-314.2	9.3	10.4	101.7	0.016	8.0	2.60
72.2	6.5	0.02 24.4						
393.900	108.9	-314.1	9.2	10.4	101.2	0.017	8.0	2.61
72.2	6.2	0.02 24.5						
394.000	109.2	-314.2	9.2	10.5	102.1	0.021	8.0	2.61
72.2	6.3	0.02 24.7						
394.100	108.6	-314.1	9.2	10.5	104.7	0.018	8.0	2.61
72.2	6.0	0.02 24.9						
394.200	108.2	-314.1	9.2	10.5	106.0	0.018	8.0	2.61
72.2	6.4	0.02 25.2						
394.300	108.5	-314.1	9.2	10.5	107.5	0.018	8.0	2.60
72.2	6.6	0.02 24.7						
394.400	109.1	-314.1	9.2	10.5	110.3	0.019	8.0	2.60
72.2	6.9	0.02 24.5						
394.500	108.6	-314.1	9.2	10.5	112.5	0.017	8.0	2.60
72.2	7.1	0.02 24.1						

394.600	108.9	-314.1	9.2	10.4	114.4	0.017	8.0	2.59
72.2	7.3	0.02 24.3						
394.700	108.8	-314.1	9.2	10.4	116.1	0.016	8.0	2.60
72.2	6.8	0.02 24.0						
394.800	109.4	-314.1	9.1	10.4	117.0	0.013	7.9	2.60
72.2	7.0	0.02 24.0						
394.900	109.6	-314.1	9.1	10.4	115.5	0.010	8.0	2.60
72.2	6.9	0.02 24.2						
395.000	109.5	-314.1	9.1	10.3	112.7	0.016	8.0	2.60
72.2	6.6	0.02 24.6						
395.100	109.3	-314.1	9.1	10.3	113.3	0.023	8.0	2.61
72.2	6.3	0.02 24.6						
395.200	108.9	-314.1	9.2	10.3	112.5	0.019	8.0	2.61
72.2	6.4	0.02 24.6						
395.300	109.5	-314.1	9.1	10.3	112.5	0.019	8.0	2.60
72.2	6.8	0.02 23.9						
395.400	110.6	-314.1	9.0	10.2	109.9	0.016	8.0	2.59
72.2	7.3	0.02 23.8						
395.500	111.5	-314.1	9.0	10.3	111.6	0.015	8.0	2.60
72.2	7.1	0.02 23.7						
395.600	112.7	-314.1	8.9	10.3	111.6	0.016	8.0	2.60
72.2	7.1	0.02 23.5						
395.700	113.2	-314.2	8.8	10.3	111.0	0.016	8.0	2.59
72.2	7.4	0.02 23.5						
395.800	113.0	-314.2	8.8	10.3	112.5	0.015	7.9	2.60
72.2	7.1	0.02 23.5						
395.900	113.4	-314.2	8.8	10.3	115.1	0.017	8.0	2.60
72.2	6.8	0.02 23.8						
396.000	113.6	-314.2	8.8	10.3	114.4	0.020	8.0	2.60
72.2	6.7	0.02 24.1						
396.100	114.7	-314.2	8.7	10.3	116.4	0.020	8.0	2.60
72.2	6.7	0.02 24.1						
396.200	115.1	-314.3	8.7	10.3	112.3	0.022	8.0	2.60
72.2	7.1	0.02 24.2						
396.300	116.2	-314.3	8.6	10.2	110.5	0.017	8.0	2.60
72.2	7.1	0.02 24.3						
396.400	117.5	-314.3	8.5	10.2	111.8	0.009	8.0	2.59
72.2	7.4	0.02 24.2						
396.500	117.8	-314.3	8.5	10.2	114.2	0.013	8.0	2.59
72.2	7.7	0.02 24.3						
396.600	117.4	-314.3	8.5	10.1	115.1	0.012	8.0	2.59
72.2	7.7	0.02 24.6						
396.700	116.4	-314.4	8.6	10.1	114.8	0.016	8.0	2.58
72.2	8.0	0.02 24.7						
396.800	116.1	-314.4	8.6	10.0	115.1	0.015	8.0	2.58
72.2	8.0	0.02 24.9						
396.900	115.6	-314.4	8.6	10.0	117.4	0.012	8.0	2.59
72.2	7.5	0.02 24.7						
397.000	116.1	-314.4	8.6	9.9	114.4	0.012	8.0	2.58
72.2	8.0	0.02 24.6						
397.100	115.9	-314.4	8.6	9.9	112.5	0.013	8.0	2.57
72.2	8.4	0.02 25.0						
397.200	116.0	-314.5	8.6	9.9	111.4	0.013	8.0	2.58
72.2	8.4	0.02 24.8						

397.300	116.2	-314.6	8.6	9.9	107.5	0.009	8.0	2.56
72.2	9.1	0.02 24.8						
397.400	116.1	-314.7	8.6	9.9	103.6	0.007	8.0	2.56
72.2	9.4	0.02 24.6						
397.500	116.1	-314.8	8.6	10.0	103.0	0.007	8.0	2.56
72.3	9.4	0.03 24.4						
397.600	115.6	-314.9	8.7	10.0	101.0	0.008	8.0	2.56
72.3	9.5	0.03 24.1						
397.700	114.8	-314.9	8.7	10.0	101.7	0.007	8.0	2.55
72.2	9.6	0.03 24.3						
397.800	113.6	-315.0	8.8	10.0	101.2	0.007	8.0	2.55
72.3	9.7	0.03 23.8						
397.900	112.6	-315.1	8.9	10.1	101.9	0.007	8.0	2.55
72.2	10.1	0.03 24.0						
398.000	112.3	-315.2	8.9	10.2	100.1	0.007	8.0	2.55
72.3	9.9	0.03 24.0						
398.100	111.5	-315.3	9.0	10.3	97.8	0.015	8.0	2.55
72.3	10.0	0.03 23.4						
398.200	110.6	-315.3	9.0	10.4	97.1	0.019	8.0	2.56
72.3	9.5	0.03 23.0						
398.300	109.1	-315.3	9.2	10.5	94.5	0.021	8.0	2.56
72.3	9.1	0.03 23.0						
398.400	108.5	-315.3	9.2	10.7	91.3	0.025	8.0	2.56
72.3	9.2	0.03 23.4						
398.500	106.5	-315.3	9.4	10.9	89.5	0.025	8.0	2.57
72.3	8.6	0.03 22.9						
398.600	105.1	-315.4	9.5	11.2	85.2	0.028	7.9	2.59
72.3	7.7	0.03 22.6						
398.700	103.1	-315.5	9.7	11.5	82.2	0.032	7.9	2.60
72.3	6.6	0.03 22.8						
398.800	102.7	-315.5	9.7	11.7	81.8	0.031	7.9	2.62
72.3	5.5	0.03 22.7						
398.900	102.8	-315.6	9.7	12.0	78.3	0.030	7.9	2.64
72.3	4.2	0.03 22.5						
399.000	102.8	-315.6	9.7	12.3	74.4	0.035	7.9	2.65
72.3	3.6	0.03 22.5						
399.100	102.7	-315.7	9.7	12.7	72.0	0.032	7.9	2.67
72.3	2.7	0.03 22.0						
399.200	102.1	-315.8	9.8	13.0	69.0	0.028	7.9	2.67
72.3	2.4	0.03 21.7						
399.300	102.3	-316.0	9.8	13.3	69.4	0.025	8.0	2.69
72.3	1.4	0.03 21.5						
399.400	102.5	-316.4	9.8	13.5	68.3	0.022	8.0	2.70
72.3	0.8	0.03 21.1						
399.500	102.6	-316.7	9.8	13.8	73.3	0.020	8.0	2.70
72.3	0.7	0.03 20.8						
399.600	102.6	-317.0	9.8	14.0	76.6	0.021	8.0	2.70
72.3	0.7	0.03 20.8						
399.700	102.6	-317.5	9.8	14.1	81.5	0.019	8.0	2.69
72.3	1.0	0.03 20.6						
399.800	102.7	-317.9	9.7	14.0	88.9	0.020	8.0	2.69
72.3	1.1	0.03 20.5						
399.900	102.7	-318.3	9.7	13.9	91.1	0.025	8.0	2.68
72.3	1.7	0.03 20.0						

400.000	102.4	-318.8	9.8	13.8	99.1	0.022	8.0	2.68
72.3	2.0	0.03	20.4					
400.100	101.1	-319.2	9.9	13.7	105.8	0.025	8.0	2.65
72.3	3.5	0.04	20.8					
400.200	100.2	-319.4	10.0	13.5	113.8	0.025	8.0	2.63
72.3	4.8	0.04	20.3					
400.300	98.7	-319.6	10.1	13.3	119.0	0.023	8.0	2.61
72.3	6.2	0.04	20.5					
400.400	98.1	-319.9	10.2	13.1	126.3	0.023	8.0	2.59
72.3	7.7	0.04	20.8					
400.500	96.6	-320.3	10.4	13.0	133.4	0.027	8.0	2.57
72.3	8.5	0.04	21.0					
400.600	95.2	-320.7	10.5	12.9	138.2	0.028	8.0	2.57
72.4	8.8	0.04	21.5					
400.700	94.0	-321.3	10.6	12.9	143.6	0.030	8.0	2.56
72.4	9.3	0.04	21.6					
400.800	92.4	-321.9	10.8	13.0	145.8	0.026	8.0	2.55
72.4	10.0	0.04	21.9					
400.900	89.8	-322.4	11.1	13.1	147.1	0.022	8.0	2.55
72.4	10.1	0.04	22.1					
401.000	88.1	-323.0	11.3	13.2	142.1	0.021	8.0	2.54
72.4	10.4	0.04	22.3					
401.100	87.3	-323.5	11.5	13.5	140.4	0.018	8.0	2.55
72.4	10.1	0.04	22.4					
401.200	86.8	-324.1	11.5	13.9	136.0	0.010	8.0	2.56
72.4	9.4	0.04	22.6					
401.300	84.9	-324.7	11.8	14.2	134.7	0.012	8.0	2.56
72.4	9.1	0.04	22.9					
401.400	83.5	-325.3	12.0	14.5	138.6	0.009	8.0	2.58
72.4	8.0	0.04	23.1					
401.500	81.9	-325.8	12.2	14.8	135.8	0.012	8.0	2.58
72.4	8.3	0.04	23.2					
401.600	81.2	-326.0	12.3	15.2	140.6	0.011	8.0	2.59
72.4	7.4	0.04	23.2					
401.700	80.8	-326.2	12.4	15.3	147.3	0.015	8.0	2.60
72.4	6.7	0.04	23.1					
401.800	82.7	-326.4	12.1	15.4	152.0	0.022	8.0	2.61
72.4	6.4	0.04	23.1					
401.900	78.8	-326.4	12.8	15.4	162.2	0.025	8.0	2.61
72.4	6.5	0.04	23.5					
402.000	77.6	-326.6	13.0	15.3	174.5	0.025	8.0	2.60
72.4	6.8	0.04	23.6					
402.100	74.7	-326.7	13.4	15.2	189.5	0.029	8.0	2.57
72.4	8.4	0.03	23.6					
402.200	77.3	-326.7	12.9	15.1	207.0	0.026	8.0	2.56
72.4	9.4	0.03	24.3					
402.300	77.3	-326.5	12.9	14.9	225.6	0.024	8.0	2.54
72.4	10.7	0.04	24.4					
402.400	76.9	-326.4	13.0	14.9	245.1	0.025	8.0	2.51
72.4	12.1	0.04	24.4					
402.500	77.6	-326.5	12.9	14.8	264.1	0.026	8.0	2.49
72.4	13.8	0.04	24.6					
402.600	77.6	-326.8	12.9	14.8	286.6	0.024	8.0	2.46
72.4	15.3	0.03	25.3					

402.700	78.2	-327.2	12.8	14.9	308.9	0.024	8.0	2.42
72.4	18.1	0.03	25.7					
402.800	78.0	-327.9	12.8	14.9	325.3	0.020	8.0	2.39
72.4	20.2	0.03	25.5					
402.900	78.0	-328.7	12.8	15.2	345.6	0.021	8.1	2.35
72.5	22.1	0.03	25.8					
403.000	78.1	-329.5	12.8	15.4	362.9	0.028	8.0	2.33
72.4	23.4	0.03	25.8					
403.100	78.0	-330.3	12.8	15.7	377.2	0.026	8.1	2.29
72.4	26.0	0.03	26.4					
403.200	78.2	-331.0	12.8	16.0	382.4	0.018	8.1	2.26
72.5	28.0	0.03	27.6					
403.300	78.4	-331.6	12.8	16.4	394.1	0.011	8.1	2.24
72.5	29.4	0.02	27.7					
403.400	79.1	-332.4	12.6	16.6	396.9	0.006	8.1	2.22
72.5	30.3	0.02	28.2					
403.500	79.6	-333.4	12.6	16.7	395.4	0.009	8.1	2.21
72.5	31.0	0.02	28.6					
403.600	80.9	-334.3	12.4	16.6	394.7	0.008	8.1	2.23
72.5	29.8	0.02	28.7					
403.700	81.0	-335.2	12.3	16.5	385.6	0.014	8.1	2.24
72.5	29.1	0.02	28.5					
403.800	82.2	-336.0	12.2	16.1	379.8	0.015	8.1	2.26
72.5	28.2	0.02	29.4					
403.900	82.8	-336.6	12.1	15.8	368.5	0.016	8.0	2.27
72.5	27.4	0.02	29.9					
404.000	84.9	-337.1	11.8	15.2	358.8	0.015	8.0	2.28
72.5	26.8	0.02	29.9					
404.100	86.3	-337.4	11.6	14.5	341.5	0.013	8.0	2.29
72.5	26.0	0.02	29.6					
404.200	88.3	-337.6	11.3	14.0	322.0	0.011	8.0	2.32
72.5	24.1	0.02	29.6					
404.300	89.5	-337.9	11.2	13.5	306.0	-0.001	8.0	2.34
72.5	22.8	0.02	29.9					
404.400	91.4	-338.1	10.9	12.9	284.0	-0.008	8.0	2.36
72.5	21.8	0.02	29.7					
404.500	93.1	-338.0	10.7	12.3	266.2	-0.005	8.0	2.38
72.5	20.7	0.02	29.8					
404.600	94.7	-337.8	10.6	11.9	246.8	-0.003	8.0	2.42
72.5	17.9	0.02	29.2					
404.700	96.3	-337.2	10.4	11.5	233.4	0.004	8.0	2.45
72.5	15.9	0.02	28.5					
404.800	97.8	-336.2	10.2	11.1	216.5	0.007	8.0	2.48
72.5	14.1	0.02	28.3					
404.900	100.2	-334.9	10.0	10.7	200.1	0.013	8.0	2.50
72.5	12.8	0.02	27.1					
405.000	101.9	-333.4	9.8	10.4	188.6	0.010	8.0	2.53
72.5	11.1	0.02	26.7					
405.100	103.7	-331.8	9.6	10.2	172.6	0.012	8.0	2.53
72.5	10.9	0.02	26.7					
405.200	103.8	-330.2	9.6	9.9	165.0	0.013	8.0	2.53
72.5	11.0	0.02	26.9					
405.300	104.5	-328.6	9.6	9.7	157.5	0.010	8.0	2.53
72.5	11.1	0.02	26.2					

405.400	104.8	-327.0	9.5	9.5	151.2	0.015	8.0	2.53
72.5	10.9	0.02 25.8						
405.500	106.8	-325.7	9.4	9.3	142.3	0.015	8.0	2.55
72.5	10.1	0.02 25.7						
405.600	108.1	-324.6	9.2	9.2	139.3	0.021	8.0	2.55
72.5	9.7	0.02 26.0						
405.700	109.7	-323.5	9.1	9.1	141.0	0.022	8.0	2.56
72.5	9.3	0.02 25.9						
405.800	110.5	-322.7	9.0	8.9	138.4	0.027	8.0	2.57
72.5	8.6	0.02 25.9						
405.900	111.1	-322.2	9.0	8.9	139.5	0.027	8.0	2.58
72.5	8.3	0.02 26.5						
406.000	113.0	-321.8	8.9	8.8	138.6	0.021	8.0	2.58
72.5	7.8	0.02 26.9						
406.100	114.9	-321.4	8.7	8.7	138.2	0.020	8.0	2.59
72.5	7.7	0.02 27.2						
406.200	117.1	-321.1	8.5	8.6	140.6	0.019	8.0	2.58
72.5	7.8	0.01 27.1						
406.300	118.9	-320.8	8.4	8.5	141.0	0.016	8.1	2.59
72.5	7.7	0.01 27.4						
406.400	121.5	-320.7	8.2	8.4	142.5	0.013	8.1	2.59
72.5	7.2	0.01 27.7						
406.500	123.6	-320.5	8.1	8.4	143.4	0.016	8.1	2.58
72.5	7.9	0.01 28.0						
406.600	125.3	-320.4	8.0	8.3	144.5	0.017	8.1	2.58
72.5	8.2	0.01 28.1						
406.700	125.6	-320.2	8.0	8.2	147.3	0.015	8.1	2.59
72.5	7.6	0.01 29.5						
406.800	126.9	-320.1	7.9	8.1	143.6	0.017	8.1	2.59
72.5	7.2	0.01 29.9						
406.900	128.5	-320.0	7.8	8.1	143.4	0.016	8.1	2.59
72.5	7.3	0.01 30.2						
407.000	130.4	-319.9	7.7	8.0	145.6	0.015	8.1	2.59
72.5	7.7	0.01 30.8						
407.100	131.3	-319.8	7.6	8.0	144.5	0.012	8.1	2.57
72.5	8.5	0.01 30.9						
407.200	131.6	-319.8	7.6	7.9	140.6	0.009	8.1	2.55
72.5	10.2	0.02 31.7						
407.300	132.2	-319.9	7.6	7.9	139.9	0.008	8.1	2.51
72.5	12.2	0.01 31.8						
407.400	133.2	-320.0	7.5	7.9	136.7	0.004	8.1	2.48
72.6	14.0	0.01 31.8						
407.500	134.2	-320.1	7.5	8.0	134.1	0.002	8.1	2.44
72.5	16.7	0.01 31.3						
407.600	134.5	-320.2	7.4	8.0	132.2	0.003	8.1	2.39
72.5	20.2	0.01 31.5						
407.700	135.6	-320.5	7.4	8.1	123.3	0.007	8.2	2.33
72.6	23.4	0.02 32.3						
407.800	136.4	-320.8	7.3	8.2	118.1	0.005	8.1	2.27
72.6	27.4	0.02 32.1						
407.900	138.8	-321.3	7.2	8.3	113.1	0.009	8.1	2.19
72.5	32.1	0.02 32.6						
408.000	139.8	-321.8	7.2	8.4	109.2	0.008	8.2	2.14
72.5	35.4	0.01 33.5						

408.100	141.6	-322.5	7.1	8.5	105.5	0.004	8.1	2.09
72.6	38.6	0.02 34.5						
408.200	143.2	-323.4	7.0	8.6	104.2	-0.001	8.2	2.04
72.6	41.6	0.02 32.7						
408.300	145.1	-324.5	6.9	8.6	103.6	-0.004	8.2	2.00
72.6	43.9	0.02 33.3						
408.400	146.6	-325.9	6.8	8.6	102.7	-0.008	8.1	1.97
72.6	45.9	0.02 32.8						
408.500	147.1	-327.6	6.8	8.6	102.3	-0.009	8.0	1.95
72.6	46.9	0.02 32.9						
408.600	147.4	-329.3	6.8	8.6	99.1	-0.007	8.1	1.95
72.6	46.9	0.02 32.5						
408.700	147.6	-331.0	6.8	8.5	103.8	-0.002	8.0	1.97
72.6	46.2	0.01 33.0						
408.800	148.2	-332.5	6.7	8.3	108.8	-0.001	8.0	1.98
72.6	45.3	0.02 33.1						
408.900	147.9	-333.8	6.8	8.2	109.2	-0.001	8.1	2.00
72.6	44.1	0.02 33.2						
409.000	147.4	-334.6	6.8	7.9	113.3	0.000	8.1	2.04
72.6	41.8	0.02 33.5						
409.100	146.2	-334.6	6.8	7.7	118.7	0.002	8.1	2.08
72.6	39.2	0.02 33.2						
409.200	146.0	-333.9	6.8	7.5	121.6	0.001	8.2	2.13
72.6	36.2	0.02 33.1						
409.300	145.4	-332.6	6.9	7.4	124.1	0.005	8.1	2.18
72.6	33.2	0.02 33.9						
409.400	145.2	-331.1	6.9	7.2	131.9	0.005	8.1	2.23
72.6	29.6	0.02 33.6						
409.500	144.3	-329.1	6.9	7.2	133.7	0.007	8.2	2.28
72.6	26.7	0.02 32.8						
409.600	144.1	-326.9	6.9	7.1	137.6	0.009	8.2	2.33
72.6	23.8	0.02 31.6						
409.700	143.8	-324.4	7.0	7.2	137.1	0.014	8.1	2.38
72.6	20.8	0.02 31.8						
409.800	143.1	-322.0	7.0	7.2	135.8	0.023	8.2	2.41
72.6	18.8	0.02 31.0						
409.900	142.3	-319.4	7.0	7.4	135.0	0.030	8.2	2.45
72.6	16.4	0.02 31.2						
410.000	141.2	-316.5	7.1	7.5	137.6	0.033	8.2	2.47
72.6	15.2	0.02 30.7						
410.100	140.2	-313.9	7.1	7.6	138.4	0.039	8.2	2.48
72.6	14.1	0.02 30.4						
410.200	138.7	-311.8	7.2	7.7	139.5	0.048	8.2	2.49
72.6	13.7	0.02 29.4						
410.300	136.9	-310.2	7.3	7.8	134.7	0.047	8.2	2.50
72.6	13.3	0.02 28.7						
410.400	135.1	-309.0	7.4	7.9	136.3	0.044	8.2	2.50
72.6	13.0	0.02 28.5						
410.500	134.3	-308.0	7.4	8.0	135.2	0.044	8.3	2.49
72.6	13.8	0.02 27.9						
410.600	134.4	-306.8	7.4	8.1	135.4	0.040	8.3	2.49
72.6	13.4	0.02 27.7						
410.700	135.2	-305.6	7.4	8.2	142.5	0.046	8.3	2.50
72.6	13.0	0.02 27.7						

410.800	135.0	-304.4	7.4	8.3	147.3	0.047	8.3	2.51
72.6	12.6	0.02 27.1						
410.900	134.9	-303.4	7.4	8.3	146.0	0.050	8.2	2.51
72.6	12.5	0.02 26.6						
411.000	135.3	-302.5	7.4	8.4	149.5	0.050	8.3	2.51
72.6	12.1	0.02 26.4						
411.100	136.1	-302.0	7.3	8.4	151.6	0.047	8.3	2.52
72.6	11.5	0.02 26.4						
411.200	136.8	-301.7	7.3	8.5	149.9	0.047	8.2	2.53
72.6	11.0	0.02 25.9						
411.300	137.5	-301.6	7.3	8.5	153.1	0.047	8.1	2.54
72.6	10.4	0.01 25.6						
411.400	138.6	-301.4	7.2	8.6	157.5	0.044	8.1	2.55
72.6	10.2	0.01 25.2						
411.500	139.4	-301.2	7.2	8.6	159.2	0.039	8.1	2.55
72.6	10.1	0.01 25.1						
411.600	139.2	-301.2	7.2	8.7	165.0	0.039	8.2	2.55
72.6	10.0	0.02 25.0						
411.700	139.0	-301.3	7.2	8.7	164.4	0.039	8.2	2.55
72.6	9.9	0.02 24.8						
411.800	138.0	-301.5	7.2	8.8	169.1	0.038	8.2	2.56
72.6	9.5	0.02 26.2						
411.900	137.7	-301.8	7.3	8.9	171.5	0.039	8.2	2.57
72.6	8.9	0.02 25.8						
412.000	136.6	-302.0	7.3	8.9	174.5	0.038	8.2	2.59
72.6	7.6	0.02 26.1						
412.100	135.0	-302.2	7.4	9.0	171.9	0.042	8.2	2.59
72.6	7.3	0.02 26.3						
412.200	133.4	-302.4	7.5	9.0	166.8	0.045	8.2	2.59
72.6	7.2	0.02 25.9						
412.300	132.4	-302.8	7.6	9.1	164.2	0.048	8.3	2.61
72.6	6.4	0.02 25.8						
412.400	130.9	-303.4	7.6	9.1	163.3	0.053	8.3	2.62
72.6	5.8	0.02 26.0						
412.500	129.5	-304.1	7.7	9.2	162.2	0.054	8.2	2.62
72.6	5.4	0.02 25.9						
412.600	127.2	-304.8	7.9	9.3	158.3	0.048	8.2	2.62
72.6	5.4	0.02 26.2						
412.700	125.3	-305.3	8.0	9.4	157.7	0.045	8.2	2.61
72.6	6.2	0.02 26.9						
412.800	123.6	-305.6	8.1	9.5	157.0	0.041	8.1	2.60
72.6	6.9	0.02 26.9						
412.900	121.8	-305.9	8.2	9.6	151.8	0.036	8.2	2.58
72.6	8.0	0.02 27.0						
413.000	119.8	-306.1	8.3	9.7	145.1	0.032	8.2	2.58
72.7	7.9	0.02 27.0						
413.100	118.0	-306.3	8.5	9.9	142.7	0.035	8.2	2.59
72.7	7.7	0.02 27.5						
413.200	116.8	-306.6	8.6	10.0	137.8	0.042	8.1	2.59
72.6	7.2	0.02 27.8						
413.300	116.3	-306.8	8.6	10.2	132.2	0.042	8.2	2.61
72.7	6.4	0.02 26.8						
413.400	114.6	-307.1	8.7	10.4	128.5	0.043	8.1	2.60
72.7	6.7	0.02 27.1						

413.500	112.4	-307.2	8.9	10.6	125.0	0.038	8.1	2.61
72.7	6.1	0.02 27.2						
413.600	110.1	-307.2	9.1	10.8	122.6	0.037	8.1	2.61
72.7	6.1	0.02 27.5						
413.700	108.0	-307.3	9.3	10.9	121.6	0.029	8.1	2.62
72.7	5.8	0.02 27.3						
413.800	106.4	-307.4	9.4	11.0	118.5	0.025	8.1	2.62
72.7	5.6	0.02 26.8						
413.900	104.3	-307.9	9.6	11.2	117.4	0.025	8.1	2.63
72.7	5.0	0.02 26.7						
414.000	103.5	-308.5	9.7	11.4	112.9	0.026	8.1	2.63
72.7	4.8	0.02 26.8						
414.100	102.2	-309.1	9.8	11.5	111.8	0.027	8.1	2.63
72.7	4.9	0.02 26.2						
414.200	102.1	-309.8	9.8	11.7	110.7	0.028	8.1	2.63
72.7	4.8	0.02 25.8						
414.300	100.5	-310.3	10.0	12.0	105.1	0.029	8.1	2.64
72.7	4.4	0.02 25.9						
414.400	99.7	-311.2	10.0	12.2	106.4	0.028	8.1	2.65
72.7	3.9	0.02 26.0						
414.500	98.5	-312.2	10.2	12.3	106.8	0.021	8.1	2.64
72.7	4.3	0.02 25.9						
414.600	98.6	-313.1	10.1	12.5	101.7	0.017	8.1	2.63
72.7	5.1	0.02 25.4						
414.700	98.7	-314.0	10.1	12.6	101.7	0.012	8.0	2.62
72.7	5.6	0.02 24.8						
414.800	98.1	-315.1	10.2	12.7	99.9	0.012	8.0	2.60
72.7	6.7	0.02 24.5						
414.900	97.2	-316.3	10.3	12.8	99.7	0.009	8.0	2.59
72.7	7.2	0.02 24.1						
415.000	96.3	-317.3	10.4	13.0	102.7	0.009	8.0	2.58
72.7	8.3	0.02 24.2						
415.100	96.2	-318.3	10.4	13.2	101.4	0.008	8.0	2.57
72.7	8.7	0.02 23.5						
415.200	96.3	-319.4	10.4	13.3	102.5	0.008	8.0	2.56
72.7	9.5	0.02 23.5						
415.300	95.7	-320.4	10.4	13.3	103.0	0.003	8.0	2.55
72.7	10.0	0.02 23.7						
415.400	94.9	-321.5	10.5	13.4	102.7	0.003	8.0	2.53
72.7	11.2	0.02 24.1						
415.500	94.5	-322.3	10.6	13.5	104.0	0.002	8.0	2.53
72.7	11.2	0.02 24.0						
415.600	94.7	-322.7	10.6	13.4	104.7	0.005	8.0	2.52
72.7	11.5	0.02 24.4						
415.700	94.2	-323.2	10.6	13.2	104.7	0.003	8.0	2.53
72.7	11.5	0.02 24.2						
415.800	93.3	-323.6	10.7	13.1	107.7	0.003	8.0	2.52
72.7	11.8	0.02 24.2						
415.900	92.2	-323.8	10.8	12.9	107.7	0.004	8.0	2.53
72.7	11.5	0.02 24.4						
416.000	91.9	-323.8	10.9	12.9	109.7	0.006	8.1	2.53
72.7	11.1	0.02 24.9						
416.100	91.3	-323.7	10.9	12.8	117.2	0.007	8.1	2.54
72.7	10.8	0.02 25.3						

416.200	91.6	-323.6	10.9	12.7	116.1	0.008	8.1	2.54
72.7	10.4	0.02	25.5					
416.300	92.3	-323.4	10.8	12.6	119.2	0.008	8.1	2.55
72.7	10.0	0.01	25.6					
416.400	93.3	-323.1	10.7	12.5	122.2	0.004	8.1	2.56
72.7	9.5	0.01	26.0					
416.500	93.8	-322.9	10.7	12.5	119.4	-0.001	8.1	2.57
72.7	8.9	0.02	26.0					
416.600	94.9	-322.6	10.5	12.4	119.8	0.001	8.0	2.57
72.7	8.7	0.02	26.2					
416.700	95.7	-322.3	10.5	12.3	120.5	0.001	8.0	2.59
72.7	7.5	0.02	26.4					
416.800	96.7	-321.9	10.3	12.2	121.8	0.005	8.0	2.59
72.7	7.5	0.01	26.5					
416.900	96.7	-321.6	10.3	12.1	123.1	0.003	8.0	2.60
72.7	6.8	0.01	26.3					
417.000	97.3	-321.3	10.3	12.0	123.9	0.005	8.0	2.60
72.7	6.8	0.01	26.3					
417.100	97.6	-321.0	10.2	11.9	124.8	0.008	8.0	2.61
72.7	6.2	0.02	26.3					
417.200	99.3	-320.8	10.1	11.7	126.7	0.010	8.0	2.61
72.7	6.3	0.02	26.5					
417.300	99.9	-320.8	10.0	11.6	126.7	0.006	8.0	2.61
72.7	6.1	0.02	26.7					
417.400	101.0	-320.7	9.9	11.5	128.9	0.008	8.0	2.61
72.7	6.3	0.02	26.2					
417.500	101.1	-320.6	9.9	11.4	130.2	0.008	8.0	2.60
72.7	6.6	0.02	25.6					
417.600	102.8	-320.4	9.7	11.3	125.7	0.008	8.0	2.59
72.7	7.2	0.02	25.2					
417.700	104.0	-320.3	9.6	11.2	128.3	0.010	8.0	2.59
72.7	7.3	0.02	27.2					
417.800	105.1	-320.2	9.5	11.1	130.0	0.017	8.0	2.59
72.7	7.2	0.02	27.3					
417.900	105.5	-320.1	9.5	11.0	131.3	0.021	8.0	2.60
72.8	6.9	0.02	27.3					
418.000	106.0	-319.9	9.4	10.9	136.7	0.023	8.1	2.59
72.7	7.6	0.01	27.5					
418.100	106.8	-319.7	9.4	10.8	139.9	0.018	8.0	2.59
72.8	7.6	0.02	29.0					
418.200	107.6	-319.5	9.3	10.7	140.6	0.016	8.1	2.57
72.8	8.6	0.02	29.5					
418.300	108.7	-319.1	9.2	10.5	145.3	0.013	8.0	2.56
72.8	9.2	0.02	29.6					
418.400	108.9	-318.7	9.2	10.3	149.7	0.005	8.0	2.56
72.8	9.3	0.02	30.0					
418.500	109.1	-318.3	9.2	10.2	155.5	0.003	8.1	2.56
72.7	9.0	0.02	30.0					
418.600	109.6	-318.1	9.1	10.1	160.3	0.011	8.0	2.56
72.8	9.1	0.02	30.1					
418.700	110.0	-318.0	9.1	10.0	167.8	0.012	8.0	2.58
72.8	8.4	0.02	29.7					
418.800	109.9	-317.8	9.1	9.9	174.3	0.020	8.1	2.58
72.8	8.3	0.02	30.3					

418.900	110.1	-317.7	9.1	10.0	178.2	0.024	8.0	2.58
72.8	8.4	0.02 30.8						
419.000	109.1	-317.7	9.2	10.0	181.2	0.028	8.0	2.58
72.8	8.3	0.02 30.8						
419.100	108.9	-317.8	9.2	10.1	185.6	0.026	8.1	2.58
72.8	8.1	0.02 30.9						
419.200	107.5	-317.9	9.3	10.1	192.1	0.023	8.0	2.57
72.8	8.6	0.02 29.1						
419.300	107.9	-317.9	9.3	10.2	198.5	0.020	8.0	2.55
72.8	9.8	0.02 28.9						
419.400	107.7	-317.9	9.3	10.3	200.3	0.020	8.0	2.54
72.8	10.6	0.02 29.5						
419.500	107.8	-317.8	9.3	10.6	201.1	0.021	8.0	2.54
72.8	10.6	0.02 29.1						
419.600	107.5	-317.8	9.3	10.8	200.3	0.022	8.0	2.53
72.8	11.3	0.02 28.0						
419.700	106.6	-317.7	9.4	11.1	202.9	0.025	8.1	2.53
72.8	11.4	0.02 27.9						
419.800	106.0	-317.7	9.4	11.4	199.8	0.025	8.0	2.52
72.8	11.7	0.02 28.1						
419.900	105.0	-317.9	9.5	11.7	196.4	0.016	8.0	2.50
72.8	12.8	0.02 27.7						
420.000	104.8	-318.4	9.5	12.1	192.7	0.009	8.0	2.49
72.8	13.6	0.02 27.5						
420.100	103.8	-319.0	9.6	12.4	185.8	0.000	8.0	2.48
72.8	14.3	0.02 27.2						
420.200	103.5	-319.7	9.7	12.6	178.0	-0.004	8.0	2.46
72.8	15.4	0.02 27.7						
420.300	103.1	-320.5	9.7	12.8	173.7	-0.007	8.0	2.46
72.8	15.7	0.02 27.1						
420.400	103.2	-321.5	9.7	13.1	166.3	-0.006	8.0	2.46
72.8	15.8	0.02 26.9						
420.500	102.7	-322.5	9.7	13.2	162.6	-0.005	8.0	2.45
72.8	16.5	0.02 27.1						
420.600	101.8	-323.5	9.8	13.3	160.9	-0.006	8.0	2.44
72.8	16.7	0.02 26.8						
420.700	100.5	-324.5	9.9	13.3	154.4	-0.004	8.0	2.44
72.8	16.6	0.02 26.8						
420.800	99.9	-325.5	10.0	13.3	146.2	-0.006	8.0	2.45
72.8	16.3	0.02 26.9						
420.900	99.9	-326.4	10.0	13.2	142.5	-0.008	8.0	2.45
72.8	15.9	0.02 26.1						
421.000	99.5	-327.0	10.1	13.1	136.0	-0.008	8.0	2.46
72.8	15.5	0.02 26.6						
421.100	99.1	-327.2	10.1	12.9	135.0	-0.007	8.1	2.48
72.8	14.5	0.02 26.1						
421.200	97.6	-327.4	10.2	12.8	128.0	0.001	8.0	2.49
72.8	13.8	0.02 25.7						
421.300	96.8	-327.4	10.3	12.9	124.6	0.007	8.0	2.50
72.8	13.2	0.02 25.1						
421.400	95.9	-327.0	10.4	13.0	119.4	0.007	8.1	2.51
72.8	12.3	0.01 24.7						
421.500	95.4	-326.7	10.5	13.1	119.8	0.009	8.0	2.52
72.8	11.9	0.01 24.9						

421.600	94.3	-326.3	10.6	13.2	119.0	0.009	8.1	2.53
72.8	11.4	0.01	24.9					
421.700	93.1	-326.1	10.7	13.4	115.5	0.006	8.0	2.53
72.8	11.0	0.01	24.9					
421.800	91.7	-325.8	10.9	13.6	113.1	0.005	8.0	2.54
72.8	10.3	0.01	24.4					
421.900	90.4	-325.7	11.1	13.7	114.4	0.011	8.0	2.55
72.8	10.0	0.01	24.2					
422.000	89.3	-325.7	11.2	13.8	113.5	0.012	8.0	2.56
72.8	9.4	0.01	23.8					
422.100	88.3	-325.9	11.3	13.9	112.7	0.014	8.0	2.57
72.8	8.7	0.01	23.9					
422.200	87.4	-326.1	11.4	14.1	111.6	0.019	8.0	2.58
72.8	8.2	0.01	23.8					
422.300	86.4	-326.2	11.6	14.2	110.3	0.024	8.0	2.58
72.8	7.9	0.01	23.3					
422.400	86.0	-326.5	11.6	14.2	107.9	0.021	8.0	2.59
72.8	7.7	0.01	23.3					
422.500	86.4	-327.1	11.6	14.2	107.5	0.015	8.0	2.59
72.8	7.7	0.01	22.6					
422.600	86.6	-327.6	11.5	14.3	108.4	0.013	8.0	2.58
72.8	7.9	0.01	22.5					
422.700	86.3	-328.2	11.6	14.3	107.5	0.013	8.0	2.58
72.8	8.0	0.01	22.9					
422.800	85.6	-328.8	11.7	14.1	110.5	0.014	8.0	2.60
72.8	6.9	0.01	22.8					
422.900	85.4	-329.3	11.7	13.9	115.1	0.019	8.0	2.60
72.8	6.7	0.02	23.3					
423.000	85.6	-329.9	11.7	13.8	114.2	0.020	8.0	2.60
72.8	7.1	0.02	23.4					
423.100	85.2	-330.3	11.7	13.7	117.0	0.019	8.0	2.60
72.8	6.7	0.02	23.5					
423.200	84.9	-330.6	11.8	13.6	117.9	0.016	8.0	2.61
72.8	6.1	0.02	23.4					
423.300	85.3	-330.7	11.7	13.4	118.1	0.018	8.0	2.61
72.8	6.5	0.02	23.5					
423.400	85.7	-330.6	11.7	13.3	118.1	0.016	8.0	2.61
72.8	6.4	0.02	23.4					
423.500	86.3	-330.5	11.6	13.2	118.7	0.018	8.0	2.62
72.8	5.7	0.02	24.1					
423.600	86.6	-330.3	11.5	13.2	119.6	0.015	8.0	2.62
72.8	5.5	0.02	24.2					
423.700	87.8	-330.0	11.4	13.0	119.4	0.020	8.0	2.62
72.8	5.9	0.02	24.7					
423.800	87.9	-329.5	11.4	12.9	121.1	0.018	8.0	2.62
72.9	5.4	0.02	25.2					
423.900	88.0	-328.9	11.4	12.8	123.3	0.020	8.0	2.62
72.8	5.7	0.02	25.1					
424.000	87.2	-328.3	11.5	12.8	124.4	0.020	8.1	2.62
72.9	5.6	0.02	25.3					
424.100	87.7	-327.5	11.4	12.7	123.9	0.022	8.0	2.62
72.9	5.6	0.02	25.4					
424.200	88.7	-326.8	11.3	12.6	127.0	0.018	8.0	2.61
72.9	6.0	0.02	25.6					

424.300	89.0	-326.2	11.2	12.5	127.8	0.020	8.0	2.60
72.9	7.1	0.02 26.0						
424.400	90.0	-325.6	11.1	12.5	127.0	0.020	8.0	2.59
72.9	7.4	0.02 26.1						
424.500	90.6	-325.2	11.0	12.5	122.2	0.018	8.0	2.59
72.9	7.4	0.02 26.0						
424.600	91.7	-324.8	10.9	12.4	125.0	0.016	8.0	2.58
72.9	8.0	0.02 26.1						
424.700	92.0	-324.3	10.9	12.3	125.4	0.016	8.0	2.58
72.9	8.2	0.02 26.2						
424.800	91.8	-324.0	10.9	12.1	125.0	0.018	8.0	2.58
72.9	8.3	0.02 26.9						
424.900	92.5	-323.7	10.8	12.0	125.9	0.017	8.0	2.57
72.9	8.8	0.02 27.0						
425.000	93.1	-323.5	10.7	11.9	126.3	0.014	8.0	2.56
72.9	9.5	0.02 26.7						
425.100	93.6	-323.3	10.7	11.8	124.4	0.015	8.0	2.55
72.9	10.2	0.02 26.8						
425.200	93.1	-323.1	10.7	11.7	126.5	0.011	8.0	2.55
72.9	10.1	0.02 26.7						
425.300	93.6	-322.9	10.7	11.5	126.3	0.012	8.0	2.54
72.9	10.5	0.02 26.7						
425.400	94.0	-322.8	10.6	11.4	127.2	0.008	8.0	2.54
72.9	10.7	0.02 27.0						
425.500	95.0	-322.7	10.5	11.4	128.3	0.005	8.0	2.53
72.9	11.2	0.02 27.2						
425.600	95.6	-322.6	10.5	11.3	128.3	0.003	8.0	2.52
72.9	11.8	0.02 27.0						
425.700	96.3	-322.6	10.4	11.2	129.8	0.002	8.0	2.52
72.9	11.9	0.02 26.7						
425.800	97.6	-322.5	10.3	11.2	125.9	0.005	8.0	2.52
72.9	11.6	0.02 27.6						
425.900	98.3	-322.5	10.2	11.1	126.7	0.007	8.0	2.53
72.9	11.1	0.02 27.8						
426.000	99.7	-322.6	10.0	11.1	131.5	0.012	8.0	2.53
72.9	11.0	0.02 27.8						
426.100	101.2	-322.7	9.9	11.0	128.5	0.007	8.0	2.54
72.9	10.7	0.02 27.6						
426.200	103.1	-322.9	9.7	10.8	129.3	0.009	8.0	2.54
72.9	10.7	0.02 27.9						
426.300	104.7	-323.0	9.5	10.7	128.9	0.012	8.0	2.54
72.9	10.8	0.02 27.5						
426.400	105.4	-323.1	9.5	10.7	126.7	0.012	8.0	2.54
72.9	10.7	0.02 27.7						
426.500	106.2	-323.3	9.4	10.6	127.6	0.012	8.0	2.54
72.9	10.3	0.02 27.9						
426.600	107.0	-323.5	9.3	10.5	127.4	0.012	8.0	2.55
72.9	10.1	0.02 27.8						
426.700	109.7	-323.7	9.1	10.3	127.0	0.011	8.0	2.55
72.9	9.8	0.02 27.6						
426.800	112.5	-323.9	8.9	10.2	126.5	0.014	8.0	2.55
72.9	9.7	0.02 27.9						
426.900	114.7	-324.1	8.7	10.1	124.8	0.014	8.0	2.57
72.9	9.0	0.02 27.8						

427.000	115.9	-324.3	8.6	10.0	124.4	0.017	8.0	2.57
72.9	8.7	0.02 28.0						
427.100	116.7	-324.5	8.6	9.8	126.5	0.016	8.0	2.58
72.9	8.2	0.02 28.1						
427.200	118.5	-324.6	8.4	9.7	122.8	0.015	8.0	2.58
72.9	8.1	0.02 28.6						
427.300	120.5	-324.8	8.3	9.5	124.8	0.011	8.0	2.58
72.9	7.9	0.02 29.6						
427.400	122.3	-325.1	8.2	9.4	128.5	0.013	8.0	2.58
72.9	7.8	0.02 29.3						
427.500	124.3	-325.4	8.0	9.2	127.4	0.013	8.0	2.59
72.9	7.3	0.02 29.3						
427.600	125.3	-325.6	8.0	9.0	127.8	0.015	8.0	2.59
73.0	7.3	0.02 29.2						
427.700	127.0	-325.6	7.9	8.9	128.9	0.016	8.0	2.59
72.9	7.5	0.02 29.2						
427.800	128.2	-325.5	7.8	8.7	132.4	0.018	8.0	2.59
72.9	7.4	0.02 29.2						
427.900	130.6	-325.5	7.7	8.5	134.7	0.017	8.0	2.59
73.0	7.5	0.02 29.4						
428.000	131.5	-325.5	7.6	8.4	139.9	0.019	8.0	2.59
72.9	7.7	0.02 29.7						
428.100	132.5	-325.5	7.5	8.3	150.3	0.017	8.0	2.59
73.0	7.7	0.01 29.6						
428.200	131.8	-325.5	7.6	8.1	153.3	0.020	8.0	2.58
73.0	8.3	0.01 30.1						
428.300	132.7	-325.5	7.5	8.0	162.4	0.021	8.0	2.57
73.0	9.0	0.02 30.2						
428.400	133.0	-325.4	7.5	7.9	169.8	0.022	8.0	2.55
73.0	10.0	0.02 30.1						
428.500	133.6	-325.4	7.5	7.8	178.4	0.021	8.0	2.53
73.0	11.2	0.02 30.2						
428.600	133.2	-325.4	7.5	7.7	183.6	0.022	8.0	2.51
73.0	12.4	0.02 30.3						
428.700	132.2	-325.7	7.6	7.6	198.3	0.016	8.0	2.49
73.0	13.8	0.01 30.3						
428.800	131.6	-326.4	7.6	7.6	206.6	0.011	8.0	2.46
73.0	15.8	0.02 29.2						
428.900	130.8	-327.5	7.6	7.6	206.6	0.005	8.0	2.42
73.0	17.8	0.02 29.2						
429.000	130.4	-329.2	7.7	7.6	210.2	0.003	8.0	2.38
73.0	20.4	0.02 30.2						
429.100	129.6	-331.4	7.7	7.7	212.0	-0.002	8.0	2.35
73.0	22.5	0.02 30.9						
429.200	129.1	-334.3	7.7	7.7	212.0	-0.005	8.0	2.31
73.0	24.9	0.02 31.4						
429.300	128.4	-337.7	7.8	7.8	205.9	-0.004	8.0	2.27
73.0	27.1	0.02 32.5						
429.400	128.0	-341.0	7.8	8.0	204.0	0.001	8.0	2.23
73.0	29.9	0.02 32.6						
429.500	127.9	-343.6	7.8	8.2	195.1	-0.004	8.0	2.17
73.0	33.4	0.02 32.1						
429.600	128.8	-345.9	7.8	8.5	181.7	-0.011	8.1	2.10
73.0	37.7	0.02 32.9						

429.700	128.6	-347.8	7.8	8.7	174.8	-0.017	8.1	2.04
73.0 41.9	0.02	32.6						
429.800	128.4	-349.2	7.8	9.0	160.3	-0.024	8.1	1.97
73.0 45.8	0.02	33.6						
429.900	128.4	-350.3	7.8	9.2	146.9	-0.029	8.1	1.92
73.0 48.8	0.02	34.2						
430.000	129.6	-351.1	7.7	9.5	133.9	-0.028	8.2	1.89
73.0 51.0	0.02	34.2						
430.100	130.3	-351.4	7.7	9.7	121.6	-0.026	8.1	1.86
73.0 52.6	0.02	35.3						
430.200	130.8	-351.3	7.6	9.9	106.4	-0.023	8.2	1.84
73.0 54.1	0.02	35.3						
430.300	132.0	-350.4	7.6	10.0	95.4	-0.020	8.2	1.82
73.0 55.1	0.02	36.4						
430.400	133.5	-349.1	7.5	10.1	89.8	-0.021	8.2	1.81
73.0 55.7	0.02	37.1						
430.500	134.4	-347.9	7.4	10.1	83.5	-0.022	8.2	1.82
73.0 55.6	0.02	36.8						
430.600	134.5	-347.0	7.4	10.0	80.0	-0.026	8.1	1.84
73.0 54.3	0.02	36.8						
430.700	134.4	-346.1	7.4	9.9	75.1	-0.032	8.1	1.86
73.0 52.9	0.02	36.7						
430.800	135.3	-345.1	7.4	9.8	78.7	-0.029	8.1	1.88
73.0 51.4	0.02	35.6						
430.900	135.3	-344.0	7.4	9.7	77.4	-0.027	8.1	1.92
73.0 49.0	0.02	35.4						
431.000	136.3	-342.5	7.3	9.6	79.4	-0.022	8.1	1.98
73.0 45.3	0.02	35.1						
431.100	135.0	-340.4	7.4	9.5	86.7	-0.011	8.1	2.04
73.0 41.5	0.01	34.6						
431.200	133.7	-337.5	7.5	9.4	88.0	-0.005	8.1	2.10
73.0 37.7	0.01	34.3						
431.300	131.5	-334.2	7.6	9.3	91.5	-0.004	8.2	2.18
73.0 33.2	0.01	32.9						
431.400	130.0	-330.6	7.7	9.3	97.3	0.001	8.1	2.24
73.0 29.4	0.01	32.3						
431.500	128.2	-326.7	7.8	9.3	99.5	0.004	8.1	2.29
73.0 25.9	0.01	32.0						
431.600	127.1	-322.9	7.9	9.3	103.6	0.011	8.2	2.34
73.0 23.1	0.01	30.5						
431.700	125.8	-319.1	8.0	9.3	105.8	0.019	8.1	2.38
73.0 20.5	0.01	30.1						
431.800	123.5	-315.7	8.1	9.3	108.8	0.025	8.1	2.42
73.0 18.1	0.01	27.8						
431.900	120.3	-312.7	8.3	9.4	107.9	0.027	8.1	2.45
73.0 16.2	0.01	26.8						
432.000	117.4	-310.1	8.5	9.5	110.7	0.031	8.1	2.48
73.0 14.5	0.01	26.3						
432.100	114.4	-308.0	8.7	9.7	110.5	0.031	8.1	2.49
73.0 13.8	0.01	25.8						
432.200	111.2	-306.3	9.0	9.8	114.0	0.034	8.1	2.50
73.0 13.2	0.02	25.1						
432.300	108.3	-305.2	9.2	10.0	113.8	0.037	8.1	2.52
73.0 12.1	0.02	24.8						

432.400	106.8	-304.6	9.4	10.1	113.8	0.036	8.1	2.53
73.0	11.4	0.01	24.7					
432.500	105.1	-304.2	9.5	10.3	112.3	0.040	8.1	2.53
73.0	11.0	0.01	24.8					
432.600	103.7	-304.2	9.6	10.5	107.9	0.046	8.1	2.55
73.0	10.1	0.02	24.6					
432.700	102.6	-304.4	9.7	10.7	105.8	0.044	8.0	2.56
73.0	9.5	0.02	25.0					
432.800	101.5	-304.7	9.8	10.9	104.9	0.037	8.0	2.57
73.0	8.7	0.02	25.0					
432.900	100.7	-305.1	9.9	11.1	101.7	0.033	8.1	2.58
73.0	8.2	0.02	24.8					
433.000	99.2	-305.6	10.1	11.3	100.8	0.031	8.0	2.58
73.0	7.9	0.01	24.9					
433.100	98.9	-306.1	10.1	11.5	100.4	0.028	8.0	2.59
73.0	7.5	0.01	24.9					
433.200	98.0	-306.7	10.2	11.7	99.9	0.028	8.0	2.60
73.0	7.1	0.01	24.4					
433.300	99.1	-307.5	10.1	11.8	97.8	0.024	8.0	2.61
73.0	6.4	0.02	24.8					
433.400	100.0	-308.5	10.0	12.0	95.4	0.022	8.0	2.63
73.0	5.3	0.02	24.9					
433.500	101.1	-309.7	9.9	12.2	92.8	0.020	8.0	2.64
73.0	4.5	0.01	24.7					
433.600	101.9	-311.0	9.8	12.4	93.4	0.020	8.1	2.64
73.0	4.1	0.01	24.3					
433.700	102.6	-312.3	9.8	12.5	98.2	0.015	8.0	2.66
73.0	3.4	0.01	24.0					
433.800	103.1	-313.6	9.7	12.6	97.5	0.014	8.0	2.66
73.1	3.3	0.01	24.0					
433.900	102.7	-314.8	9.7	12.8	99.3	0.010	8.1	2.66
73.1	3.0	0.02	23.6					
434.000	102.3	-316.1	9.8	12.9	100.8	0.009	8.0	2.66
73.1	3.3	0.02	23.5					
434.100	102.4	-317.3	9.8	13.0	96.0	0.011	8.0	2.66
73.1	3.4	0.01	23.6					
434.200	102.6	-318.4	9.7	13.0	99.1	0.009	8.0	2.66
73.1	3.1	0.01	23.0					
434.300	102.5	-319.4	9.8	13.0	100.4	0.006	8.0	2.65
73.1	3.7	0.01	22.9					
434.400	102.5	-320.3	9.8	13.0	103.0	0.007	8.0	2.65
73.1	3.8	0.01	23.0					
434.500	102.2	-320.8	9.8	13.1	103.8	0.009	8.0	2.65
73.1	3.9	0.01	23.1					
434.600	101.8	-321.1	9.8	13.0	107.3	0.013	8.1	2.64
73.1	4.1	0.02	22.8					
434.700	100.5	-321.2	10.0	13.0	108.6	0.014	8.1	2.64
73.1	4.3	0.02	23.0					
434.800	100.0	-321.0	10.0	13.0	109.0	0.015	8.0	2.64
73.1	4.5	0.02	22.8					
434.900	100.3	-320.7	10.0	13.0	115.3	0.015	8.1	2.63
73.1	4.9	0.01	22.8					
435.000	100.6	-320.3	9.9	12.9	114.4	0.018	8.0	2.62
73.1	5.4	0.02	22.9					

435.100	99.8	-319.9	10.0	12.9	117.0	0.016	8.0	2.62
73.1	5.3	0.01 23.0						
435.200	98.0	-319.5	10.2	12.8	114.8	0.017	8.0	2.61
73.1	6.0	0.01 23.4						
435.300	95.9	-319.0	10.4	12.8	113.8	0.017	8.0	2.61
73.1	6.1	0.01 23.5						
435.400	94.5	-318.6	10.6	12.8	114.0	0.019	8.0	2.60
73.1	6.6	0.01 24.4						
435.500	93.2	-317.9	10.7	12.8	110.5	0.019	8.0	2.61
73.1	6.4	0.01 24.9						
435.600	92.5	-317.6	10.8	12.8	117.0	0.023	8.0	2.61
73.1	6.3	0.01 24.8						
435.700	91.3	-317.1	10.9	12.9	120.0	0.027	8.0	2.61
73.1	6.2	0.01 25.2						
435.800	90.5	-316.8	11.0	13.0	120.9	0.026	8.0	2.61
73.1	6.1	0.01 25.2						
435.900	89.3	-316.6	11.2	13.1	118.7	0.029	8.0	2.61
73.1	6.5	-0.01 25.2						
436.000	88.6	-316.4	11.3	13.1	119.0	0.029	8.1	2.59
73.1	7.3	-0.01 25.1						
436.100	87.1	-316.2	11.5	13.1	115.9	0.025	8.0	2.59
73.1	7.5	-0.01 25.5						
436.200	86.7	-316.1	11.5	13.1	114.8	0.023	8.1	2.59
73.1	7.7	-0.01 25.7						
436.300	86.5	-315.9	11.6	13.2	117.4	0.019	8.0	2.58
73.1	7.9	-0.01 25.9						
436.400	86.5	-315.7	11.6	13.2	115.3	0.018	8.1	2.57
73.1	8.5	-0.01 26.0						
436.500	86.1	-315.5	11.6	13.2	120.9	0.014	8.0	2.58
73.1	8.3	-0.01 25.9						
436.600	85.3	-315.5	11.7	13.2	117.0	0.012	8.1	2.58
73.1	8.2	-0.01 26.1						
436.700	85.7	-315.3	11.7	13.2	112.0	0.010	8.0	2.59
73.1	7.5	-0.01 26.3						
436.800	86.3	-315.4	11.6	13.3	112.0	0.012	8.1	2.59
73.1	7.2	0.02 26.2						
436.900	87.0	-315.6	11.5	13.4	112.5	0.009	8.0	2.61
73.1	6.1	0.02 25.2						
437.000	87.7	-315.8	11.4	13.5	114.6	0.010	8.1	2.61
73.1	6.1	0.02 24.7						
437.100	87.8	-316.2	11.4	13.6	110.7	0.009	8.0	2.62
73.1	5.6	0.02 24.9						
437.200	88.4	-316.7	11.3	13.7	106.4	0.005	8.1	2.63
73.1	4.7	0.02 24.4						
437.300	88.4	-317.3	11.3	13.8	103.0	0.007	8.1	2.65
73.1	3.5	0.02 24.2						
437.400	89.8	-317.8	11.1	13.8	102.5	0.012	8.1	2.66
73.1	3.0	0.04 24.2						
437.500	90.6	-318.3	11.0	13.8	101.9	0.011	8.1	2.68
73.1	2.2	0.04 24.0						
437.600	91.4	-318.9	10.9	13.9	101.0	0.012	8.1	2.69
72.8	1.4	0.04 23.8						
437.700	90.8	-319.5	11.0	13.8	104.7	0.015	8.1	2.70
73.1	0.7	0.04 23.7						

437.800	90.9	-320.3	11.0	13.7	103.2	0.022	8.0	2.70
73.1	0.6	0.04 23.8						
437.900	90.9	-321.0	11.0	13.7	106.6	0.022	8.0	2.71
73.1	0.2	0.04 23.4						
438.000	91.9	-321.7	10.9	13.6	106.4	0.023	8.0	2.71
73.1	-0.0	0.04 23.4						
438.100	93.2	-322.3	10.7	13.5	106.4	0.027	8.0	2.71
73.1	0.3	0.04 23.0						
438.200	94.2	-322.8	10.6	13.4	109.0	0.027	8.0	2.70
73.1	0.6	0.04 22.9						
438.300	94.3	-323.1	10.6	13.2	113.3	0.023	8.0	2.69
73.1	1.1	0.02 23.2						
438.400	94.1	-323.1	10.6	13.1	112.9	0.023	8.0	2.68
73.1	2.0	0.02 23.3						
438.500	94.4	-323.0	10.6	12.9	114.2	0.022	8.0	2.68
73.1	2.2	0.02 23.3						
438.600	95.0	-322.8	10.5	12.7	114.2	0.023	8.1	2.67
73.1	2.7	0.02 23.2						
438.700	94.8	-322.4	10.6	12.6	115.1	0.020	8.0	2.65
73.1	3.6	0.02 23.5						
438.800	94.9	-321.9	10.5	12.4	117.7	0.022	8.0	2.63
73.1	5.0	0.02 23.7						
438.900	95.2	-321.2	10.5	12.3	120.3	0.021	8.0	2.62
73.1	5.4	0.02 24.0						
439.000	95.4	-320.4	10.5	12.2	125.0	0.018	8.0	2.62
73.1	5.5	0.02 24.4						
439.100	95.2	-319.6	10.5	12.0	127.0	0.016	8.0	2.62
73.1	5.8	0.02 25.2						
439.200	95.0	-318.7	10.5	11.9	124.4	0.017	8.1	2.61
73.1	6.2	0.01 25.7						
439.300	95.9	-317.8	10.4	11.7	123.7	0.016	8.0	2.62
73.1	5.9	0.01 25.6						
439.400	97.2	-317.1	10.3	11.5	120.7	0.011	8.1	2.61
73.1	6.0	0.02 26.3						
439.500	98.2	-316.5	10.2	11.4	118.3	0.012	8.1	2.61
73.1	6.3	0.01 26.2						
439.600	98.8	-316.1	10.1	11.3	122.2	0.011	8.0	2.62
73.1	5.6	0.01 27.4						
439.700	99.3	-315.8	10.1	11.2	125.0	0.014	8.1	2.62
73.2	5.7	0.01 27.8						
439.800	99.4	-315.6	10.1	11.1	120.7	0.013	8.1	2.62
73.1	5.3	0.01 27.9						
439.900	99.9	-315.5	10.0	11.1	122.6	0.011	8.1	2.62
73.1	5.3	0.01 28.5						
440.000	100.6	-315.3	9.9	11.0	122.8	0.011	8.1	2.63
73.1	5.1	0.01 29.0						
440.100	101.6	-315.2	9.8	10.9	128.0	0.013	8.1	2.63
73.2	5.2	0.01 29.0						
440.200	101.6	-315.1	9.8	10.8	128.5	0.015	8.0	2.63
73.1	5.1	0.01 29.5						
440.300	102.0	-314.9	9.8	10.6	129.8	0.017	8.1	2.64
73.2	4.6	0.01 29.8						
440.400	102.6	-314.7	9.7	10.4	133.7	0.020	8.1	2.65
73.2	3.8	0.01 30.3						

440.500	104.0	-314.5	9.6	10.3	131.1	0.027	8.1	2.64
73.2	4.2	0.01 30.3						
440.600	105.5	-314.2	9.5	10.2	133.7	0.027	8.1	2.65
73.2	3.8	0.01 29.9						
440.700	106.8	-314.1	9.4	10.1	135.8	0.034	8.1	2.64
73.2	4.1	0.01 29.3						
440.800	107.8	-313.9	9.3	10.0	137.1	0.034	8.1	2.64
73.2	4.5	0.01 29.8						
440.900	108.9	-313.7	9.2	9.9	136.7	0.034	8.1	2.64
73.2	4.5	0.01 29.2						
441.000	109.7	-313.5	9.1	9.8	136.7	0.034	8.1	2.64
73.2	4.4	0.01 29.3						
441.100	110.5	-313.4	9.0	9.7	135.2	0.034	8.1	2.63
73.2	4.8	0.01 28.8						
441.200	110.2	-313.2	9.1	9.6	131.7	0.032	8.1	2.63
73.2	5.1	0.01 28.2						
441.300	111.2	-313.1	9.0	9.5	137.3	0.031	8.1	2.63
73.2	4.8	0.01 28.4						
441.400	112.4	-313.1	8.9	9.4	138.2	0.031	8.1	2.64
73.2	4.5	0.01 28.0						
441.500	114.6	-313.1	8.7	9.4	139.7	0.031	8.0	2.64
73.2	4.3	0.01 27.8						
441.600	116.2	-313.2	8.6	9.3	138.0	0.032	8.1	2.65
73.2	4.0	0.01 28.0						
441.700	118.0	-313.4	8.5	9.2	138.9	0.029	8.1	2.65
73.2	3.7	0.01 28.1						
441.800	119.1	-313.5	8.4	9.1	138.4	0.021	8.1	2.65
73.2	4.0	0.01 27.8						
441.900	119.7	-313.5	8.4	9.0	135.4	0.018	8.1	2.64
73.2	4.4	0.01 27.5						
442.000	119.9	-313.6	8.3	9.0	133.9	0.010	8.1	2.65
73.2	3.6	0.01 27.9						
442.100	121.1	-313.6	8.3	8.9	131.9	0.011	8.1	2.66
73.2	3.0	0.01 28.0						
442.200	122.2	-313.6	8.2	8.8	128.7	0.017	8.1	2.67
73.2	2.6	0.01 28.1						
442.300	123.6	-313.5	8.1	8.7	125.2	0.017	8.1	2.69
73.2	1.5	0.01 27.8						
442.400	124.9	-313.5	8.0	8.6	127.8	0.021	8.1	2.69
73.2	1.4	0.02 27.8						
442.500	126.1	-313.4	7.9	8.6	130.9	0.021	8.1	2.69
73.2	1.2	0.02 28.1						
442.600	128.3	-313.3	7.8	8.6	130.4	0.022	8.1	2.70
73.2	0.4	0.01 28.1						
442.700	129.9	-313.2	7.7	8.5	133.0	0.025	8.1	2.71
73.2	-0.1	0.01 28.5						
442.800	131.6	-313.1	7.6	8.4	128.7	0.027	8.1	2.71
73.2	0.3	0.02 28.2						
442.900	132.0	-312.9	7.6	8.3	126.1	0.024	8.1	2.70
73.2	0.8	0.02 28.7						
443.000	133.0	-312.8	7.5	8.3	124.8	0.021	8.1	2.69
73.2	1.4	0.02 28.5						
443.100	134.1	-312.8	7.5	8.2	125.9	0.022	8.1	2.68
73.2	2.0	0.02 28.3						

443.200	135.8	-312.8	7.4	8.2	131.5	0.026	8.1	2.66
73.2	2.9	0.01 29.8						
443.300	138.1	-312.9	7.2	8.1	135.8	0.022	8.1	2.66
73.2	2.9	0.01 29.9						
443.400	140.3	-312.9	7.1	8.0	138.9	0.022	8.1	2.65
73.2	3.7	0.01 29.7						
443.500	141.8	-313.0	7.1	7.9	141.5	0.016	8.1	2.63
73.2	4.8	0.01 29.3						
443.600	142.8	-313.0	7.0	7.9	151.0	0.017	8.1	2.61
73.2	6.0	0.01 29.2						
443.700	144.4	-312.9	6.9	7.8	155.9	0.014	8.1	2.60
73.2	6.6	0.01 29.3						
443.800	145.9	-312.8	6.9	7.6	161.1	0.014	8.1	2.58
73.2	7.9	0.01 29.7						
443.900	146.9	-312.8	6.8	7.6	164.4	0.013	8.1	2.57
73.2	8.8	0.01 30.5						
444.000	147.2	-312.8	6.8	7.5	165.2	0.007	8.1	2.55
73.2	10.1	0.01 30.5						
444.100	148.2	-312.7	6.7	7.4	174.1	0.002	8.1	2.52
73.2	11.8	0.01 30.3						
444.200	149.7	-312.8	6.7	7.3	178.4	0.002	8.1	2.50
73.2	13.2	0.01 30.6						
444.300	151.3	-312.8	6.6	7.2	185.4	0.005	8.1	2.49
73.2	13.9	0.01 30.7						
444.400	151.6	-312.9	6.6	7.1	194.0	0.008	8.1	2.47
73.2	14.7	0.01 30.9						
444.500	151.6	-313.1	6.6	7.1	205.3	0.010	8.1	2.46
73.2	15.2	0.01 32.4						
444.600	150.6	-313.4	6.6	7.0	212.0	0.018	8.1	2.45
73.2	16.0	0.01 32.6						
444.700	150.9	-313.9	6.6	7.0	214.6	0.020	8.1	2.44
73.2	16.7	0.01 30.8						
444.800	149.9	-314.7	6.7	7.0	217.6	0.021	8.1	2.42
73.2	17.9	0.01 30.5						
444.900	150.3	-315.8	6.7	7.0	219.5	0.019	8.1	2.41
73.2	18.6	0.01 30.3						
445.000	149.8	-317.3	6.7	7.0	222.8	0.015	8.2	2.40
73.2	19.2	0.01 31.2						
445.100	149.0	-319.6	6.7	7.0	216.1	0.016	8.1	2.39
73.2	19.9	0.01 31.2						
445.200	148.6	-322.8	6.7	7.1	210.9	0.017	8.1	2.38
73.2	20.2	0.01 31.5						
445.300	148.2	-326.7	6.7	7.1	209.4	0.020	8.2	2.39
73.2	20.0	0.01 31.2						
445.400	148.3	-331.2	6.7	7.2	204.8	0.023	8.2	2.39
73.2	19.6	0.01 30.8						
445.500	147.3	-336.1	6.8	7.3	201.6	0.028	8.1	2.40
73.2	19.4	0.01 30.6						
445.600	146.3	-340.5	6.8	7.5	190.8	0.025	8.2	2.40
73.2	19.2	0.01 30.7						
445.700	146.2	-343.5	6.8	7.6	185.4	0.019	8.2	2.41
73.2	18.5	0.01 30.5						
445.800	146.0	-344.8	6.8	7.7	178.0	0.021	8.2	2.41
73.2	18.4	0.01 29.9						

445.900	146.1	-344.9	6.8	7.9	170.4	0.019	8.2	2.42
73.2	18.2	0.01 29.4						
446.000	145.3	-344.2	6.9	8.0	161.3	0.015	8.2	2.42
73.2	18.0	0.01 28.0						
446.100	144.7	-342.6	6.9	8.1	154.0	0.015	8.2	2.44
73.2	16.6	0.01 27.8						
446.200	143.4	-340.0	7.0	8.3	147.9	0.026	8.2	2.46
73.2	15.6	0.02 27.9						
446.300	142.8	-336.4	7.0	8.3	141.5	0.029	8.2	2.48
73.2	14.6	0.01 27.9						
446.400	141.9	-332.0	7.0	8.4	137.6	0.030	8.2	2.49
73.2	13.8	0.01 28.0						
446.500	141.5	-327.0	7.1	8.5	131.5	0.029	8.1	2.49
73.2	13.5	0.01 27.1						
446.600	140.6	-321.4	7.1	8.6	127.2	0.022	8.1	2.50
73.2	13.2	0.01 27.2						
446.700	140.3	-316.2	7.1	8.7	129.3	0.019	8.2	2.50
73.2	12.7	0.01 26.9						
446.800	139.1	-312.4	7.2	8.8	130.6	0.017	8.1	2.51
73.2	12.6	0.01 27.2						
446.900	138.2	-310.3	7.2	8.9	127.2	0.019	8.1	2.52
73.2	11.8	0.01 27.5						
447.000	136.7	-309.1	7.3	9.0	124.4	0.024	8.1	2.54
73.2	10.9	0.01 26.9						
447.100	136.0	-308.4	7.4	9.1	127.2	0.021	8.1	2.54
73.2	10.3	0.01 26.9						
447.200	134.9	-308.2	7.4	9.3	127.0	0.020	8.1	2.55
73.2	10.0	0.01 26.7						
447.300	133.9	-308.5	7.5	9.4	128.7	0.020	8.1	2.57
73.3	9.0	0.01 27.3						
447.400	132.3	-308.8	7.6	9.5	127.2	0.024	8.1	2.58
73.2	8.0	0.02 27.5						
447.500	131.2	-309.2	7.6	9.6	124.4	0.014	8.1	2.59
73.3	7.3	0.01 27.3						
447.600	129.9	-309.6	7.7	9.7	123.1	0.013	8.2	2.59
73.2	7.6	0.01 27.5						
447.700	128.0	-310.0	7.8	9.8	119.4	0.014	8.1	2.60
73.3	7.1	0.01 27.4						
447.800	125.2	-310.5	8.0	9.9	116.4	0.017	8.2	2.61
73.3	6.3	0.01 27.5						
447.900	123.0	-310.9	8.1	10.0	114.4	0.022	8.2	2.62
73.3	5.8	0.01 27.1						
448.000	121.1	-311.3	8.3	10.1	116.6	0.021	8.2	2.64
73.2	4.5	0.02 27.4						
448.100	120.5	-311.7	8.3	10.2	119.4	0.026	8.2	2.65
73.2	3.7	0.01 27.0						
448.200	119.9	-312.1	8.3	10.2	121.1	0.023	8.2	2.66
73.3	3.2	0.02 26.7						
448.300	118.4	-312.6	8.4	10.3	118.7	0.019	8.2	2.67
73.3	2.4	0.01 26.6						
448.400	116.1	-313.0	8.6	10.3	119.8	0.018	8.1	2.67
73.3	2.7	0.01 26.3						
448.500	113.8	-313.4	8.8	10.3	123.3	0.016	8.0	2.67
73.3	2.7	0.01 26.6						

448.600	112.6	-313.9	8.9	10.3	123.9	0.019	8.0	2.67
73.3	2.3	0.02	26.8					
448.700	111.5	-314.4	9.0	10.3	123.5	0.016	8.1	2.68
73.3	2.0	0.01	26.5					
448.800	109.4	-314.8	9.1	10.4	124.1	0.014	8.0	2.67
73.3	2.4	0.01	26.0					
448.900	108.0	-315.1	9.3	10.4	122.4	0.011	8.0	2.67
73.3	2.2	0.01	25.8					
449.000	105.9	-315.2	9.4	10.6	123.9	0.010	8.0	2.68
73.3	2.0	0.01	26.1					
449.100	105.2	-315.4	9.5	10.8	123.9	0.010	8.0	2.68
73.3	2.0	0.01	26.2					
449.200	103.6	-315.5	9.7	10.9	127.8	0.008	8.0	2.68
73.3	2.1	0.01	26.1					
449.300	102.9	-315.4	9.7	11.1	131.7	0.011	8.0	2.67
73.3	2.5	0.01	25.7					
449.400	102.0	-315.3	9.8	11.3	132.2	0.006	8.0	2.67
73.3	2.5	0.01	26.8					
449.500	101.2	-315.2	9.9	11.5	130.6	0.007	8.0	2.66
73.3	3.0	0.01	26.5					
449.600	99.7	-315.0	10.0	11.7	127.6	0.010	8.0	2.66
73.3	3.3	0.01	26.6					
449.700	97.9	-314.8	10.2	11.9	124.8	0.007	8.0	2.65
73.3	3.7	0.01	26.6					
449.800	97.2	-314.6	10.3	12.1	123.9	0.009	8.0	2.64
73.3	4.5	0.01	25.8					
449.900	97.0	-314.7	10.3	12.3	123.3	0.006	8.0	2.63
73.3	4.9	0.01	25.4					
450.000	96.3	-315.0	10.4	12.6	122.0	0.003	8.0	2.63
73.3	4.9	0.01	25.2					
450.100	95.7	-315.5	10.5	12.9	119.8	0.008	8.0	2.63
73.3	5.1	0.01	24.6					
450.200	95.8	-316.1	10.4	13.2	118.1	0.011	8.0	2.62
73.3	5.3	0.01	24.5					
450.300	94.9	-316.8	10.5	13.4	114.2	0.013	8.0	2.62
73.3	5.4	0.01	24.5					
450.400	94.3	-317.8	10.6	13.6	115.9	0.010	8.0	2.62
73.3	5.8	0.01	24.3					
450.500	93.1	-319.0	10.7	13.7	113.8	0.012	8.0	2.61
73.3	6.3	0.01	23.7					
450.600	93.1	-320.3	10.7	13.8	112.0	0.012	8.0	2.60
73.3	6.7	0.01	23.4					
450.700	92.4	-321.8	10.8	13.9	109.2	0.011	8.0	2.60
73.3	6.7	0.01	23.1					
450.800	92.1	-323.2	10.9	13.9	106.8	0.013	8.0	2.59
73.3	7.2	0.01	23.2					
450.900	92.2	-324.6	10.8	14.0	106.8	0.009	8.0	2.59
73.3	7.7	0.01	22.0					
451.000	92.3	-326.0	10.8	14.2	106.0	0.008	8.0	2.58
73.3	7.9	0.01	22.0					
451.100	91.8	-327.0	10.9	14.2	107.3	0.008	8.0	2.58
73.3	8.0	0.01	21.9					
451.200	91.5	-327.9	10.9	14.4	107.1	0.009	8.0	2.58
73.3	8.1	0.01	22.0					

451.300	90.8	-328.6	11.0	14.5	110.1	0.010	8.0	2.58
73.3	8.1	0.01	22.1					
451.400	90.2	-329.1	11.1	14.7	111.6	0.007	8.0	2.59
73.3	7.6	0.01	21.9					
451.500	88.9	-329.4	11.2	14.8	110.3	0.007	8.0	2.58
73.3	7.9	0.01	21.8					
451.600	88.0	-329.7	11.4	14.8	109.9	0.006	8.0	2.59
73.3	7.7	0.01	21.8					
451.700	87.4	-329.7	11.4	15.0	111.6	0.010	8.0	2.59
73.3	7.5	0.01	21.5					
451.800	86.8	-329.6	11.5	15.2	113.5	0.011	8.0	2.59
73.3	7.6	0.01	21.2					
451.900	86.6	-329.5	11.5	15.2	113.8	0.008	8.0	2.59
73.3	7.6	0.01	21.4					
452.000	85.1	-329.3	11.8	15.2	112.0	0.008	8.0	2.59
73.3	7.7	0.01	21.5					
452.100	84.3	-329.2	11.9	15.3	110.1	0.004	8.0	2.59
73.3	7.5	0.01	22.0					
452.200	83.0	-329.1	12.0	15.4	108.8	0.006	8.0	2.59
73.3	7.5	0.01	22.1					
452.300	83.0	-329.0	12.0	15.3	112.0	0.010	8.0	2.60
73.3	6.7	0.01	22.4					
452.400	82.9	-328.9	12.1	15.3	112.0	0.015	8.0	2.60
73.3	6.6	0.01	22.4					
452.500	82.1	-328.9	12.2	15.3	114.6	0.014	8.0	2.60
73.3	6.8	0.01	22.5					
452.600	81.6	-328.9	12.3	15.4	112.5	0.013	8.0	2.60
73.3	6.7	0.01	22.7					
452.700	80.9	-328.7	12.4	15.4	113.8	0.012	8.0	2.60
73.3	6.8	0.01	22.3					
452.800	81.2	-328.4	12.3	15.4	111.2	0.008	8.0	2.61
73.3	6.4	0.01	22.1					
452.900	81.2	-328.0	12.3	15.3	106.2	0.008	8.0	2.60
73.3	6.6	0.01	22.3					
453.000	80.7	-327.5	12.4	15.3	104.5	0.005	8.0	2.60
73.3	6.5	0.01	22.4					
453.100	79.8	-327.0	12.5	15.3	103.6	0.000	8.0	2.60
73.3	6.8	0.01	22.7					
453.200	78.7	-326.6	12.7	15.4	100.8	0.001	8.0	2.60
73.3	6.6	0.01	22.9					
453.300	78.6	-326.2	12.7	15.4	100.8	0.003	8.0	2.61
73.3	6.2	0.01	22.8					
453.400	79.7	-326.0	12.5	15.5	101.0	0.006	8.0	2.62
73.3	5.8	0.01	22.6					
453.500	79.3	-325.9	12.6	15.5	101.0	0.007	8.0	2.63
73.3	5.2	0.01	22.7					
453.600	79.3	-326.2	12.6	15.5	102.7	0.006	8.0	2.64
73.3	4.3	0.01	22.2					
453.700	78.3	-326.8	12.8	15.5	104.5	0.003	8.0	2.64
73.3	4.0	0.01	22.2					
453.800	79.4	-327.8	12.6	15.5	102.7	0.003	8.0	2.64
73.3	4.5	0.01	21.9					
453.900	79.4	-329.0	12.6	15.3	100.6	0.003	8.0	2.65
73.3	4.0	0.01	22.3					

454.000	79.9	-330.4	12.5	15.2	97.3	0.002	8.0	2.65
73.3	3.6	0.01 22.2						
454.100	79.6	-331.6	12.6	15.1	97.1	0.003	8.0	2.67
73.3	2.7	0.01 22.0						
454.200	79.7	-332.4	12.5	15.1	94.1	0.003	8.0	2.68
73.3	2.0	0.01 22.4						
454.300	79.3	-332.8	12.6	15.1	92.4	0.009	8.0	2.68
73.3	2.1	0.01 23.1						
454.400	79.2	-332.9	12.6	15.2	97.5	0.010	8.0	2.68
73.3	2.1	0.01 23.4						
454.500	79.6	-332.9	12.6	15.2	101.9	0.011	8.0	2.67
73.3	2.6	0.01 23.6						
454.600	80.1	-332.6	12.5	15.2	101.4	0.008	8.0	2.67
73.3	2.7	0.01 23.4						
454.700	80.4	-332.0	12.4	15.3	104.9	0.005	8.0	2.67
73.3	2.6	0.01 23.5						
454.800	81.0	-331.2	12.3	15.4	106.2	0.006	8.0	2.67
73.3	2.5	0.01 23.7						
454.900	81.4	-330.1	12.3	15.4	104.9	0.009	8.0	2.66
73.3	2.8	0.01 23.8						
455.000	81.3	-328.7	12.3	15.3	108.8	0.008	8.0	2.66
73.3	3.0	0.01 24.6						
455.100	81.4	-327.3	12.3	15.3	107.3	0.011	8.0	2.65
73.3	3.9	0.01 24.3						
455.200	81.6	-326.1	12.3	15.3	105.1	0.014	8.0	2.64
73.3	4.4	0.01 24.4						
455.300	81.9	-325.4	12.2	15.3	104.2	0.015	8.0	2.64
73.3	4.4	0.01 24.3						
455.400	81.0	-325.0	12.3	15.2	105.5	0.016	8.0	2.63
73.3	4.7	0.01 24.3						
455.500	80.7	-324.7	12.4	15.2	108.6	0.015	8.0	2.63
73.3	4.8	0.01 24.3						
455.600	80.9	-324.5	12.4	15.1	111.0	0.014	8.0	2.61
73.4	6.0	0.01 24.5						
455.700	81.2	-324.5	12.3	15.1	114.8	0.014	8.0	2.60
73.4	6.6	0.01 24.6						
455.800	80.8	-324.6	12.4	15.0	116.4	0.013	8.0	2.60
73.3	6.7	0.01 24.2						
455.900	80.6	-324.7	12.4	15.0	117.2	0.017	8.0	2.60
73.4	6.9	0.01 24.0						
456.000	80.9	-324.9	12.4	15.0	115.1	0.018	8.0	2.60
73.3	6.9	0.01 23.9						
456.100	81.7	-325.1	12.2	15.0	115.9	0.014	8.0	2.61
73.4	6.5	0.01 24.3						
456.200	81.6	-325.1	12.3	15.1	117.2	0.016	8.0	2.60
73.4	7.1	0.01 24.3						
456.300	81.2	-325.1	12.3	15.2	115.1	0.014	8.0	2.59
73.4	7.7	0.02 24.2						
456.400	81.3	-325.0	12.3	15.3	114.6	0.009	8.0	2.58
73.3	7.9	0.02 24.3						
456.500	81.6	-325.1	12.2	15.4	111.2	0.008	8.0	2.58
73.4	8.2	0.01 23.7						
456.600	82.0	-325.3	12.2	15.4	112.5	0.010	8.0	2.57
73.4	8.5	0.02 24.0						

456.700	81.7	-325.4	12.2	15.4	114.0	0.008	8.0	2.57
73.4	8.4	0.01	24.0					
456.800	81.2	-325.5	12.3	15.3	113.1	0.007	8.0	2.57
73.4	8.8	0.02	24.6					
456.900	81.2	-325.6	12.3	15.3	114.4	0.004	8.0	2.57
73.4	8.9	0.02	24.3					
457.000	80.9	-325.5	12.4	15.2	111.8	0.006	8.0	2.56
73.4	9.2	0.02	24.3					
457.100	80.8	-325.4	12.4	15.2	109.7	0.007	8.0	2.57
73.4	8.9	0.02	24.3					
457.200	79.9	-325.3	12.5	15.1	105.3	0.010	8.0	2.56
73.4	9.2	0.02	24.2					
457.300	80.8	-325.3	12.4	15.2	107.1	0.011	8.0	2.57
73.4	8.9	0.01	24.3					
457.400	81.4	-325.3	12.3	15.1	105.3	0.014	8.0	2.57
73.4	8.9	0.01	24.7					
457.500	82.5	-325.5	12.1	15.1	105.8	0.010	8.0	2.57
73.4	8.8	0.01	24.8					
457.600	82.3	-325.7	12.2	15.2	110.1	0.011	8.0	2.56
73.4	9.4	0.01	24.7					
457.700	82.6	-326.0	12.1	15.2	105.5	0.013	8.0	2.56
73.4	9.6	0.01	24.8					
457.800	82.7	-326.2	12.1	15.2	108.6	0.011	8.0	2.55
73.4	9.7	0.01	25.1					
457.900	82.6	-326.5	12.1	15.1	110.7	0.009	8.0	2.55
73.4	9.8	0.01	25.0					
458.000	81.3	-326.8	12.3	15.0	112.5	0.010	8.0	2.55
73.4	9.8	0.01	25.0					
458.100	81.4	-327.0	12.3	14.9	116.8	0.011	8.0	2.56
73.4	9.5	0.01	25.4					
458.200	81.6	-327.1	12.3	14.7	119.8	0.012	8.0	2.56
73.4	9.6	0.01	25.5					
458.300	82.2	-327.2	12.2	14.6	119.0	0.011	8.0	2.57
73.4	8.8	0.01	24.8					
458.400	81.7	-327.3	12.2	14.5	117.2	0.015	8.0	2.58
73.4	8.3	0.01	25.4					
458.500	81.4	-327.2	12.3	14.6	119.8	0.014	8.0	2.58
73.4	8.1	0.01	25.1					
458.600	81.6	-326.8	12.2	14.5	119.0	0.012	8.0	2.58
73.4	8.1	0.01	24.8					
458.700	81.8	-326.2	12.2	14.4	121.6	0.008	8.0	2.58
73.4	8.0	0.01	24.6					
458.800	82.1	-325.5	12.2	14.4	119.2	0.007	8.0	2.58
73.4	8.0	0.01	24.7					
458.900	81.9	-324.8	12.2	14.4	120.7	0.009	8.0	2.58
73.4	7.9	0.01	24.7					
459.000	81.9	-324.0	12.2	14.4	122.0	0.008	8.0	2.59
73.4	7.7	0.01	24.8					
459.100	82.1	-323.2	12.2	14.4	118.7	0.009	8.0	2.59
73.4	7.7	0.01	24.7					
459.200	82.6	-322.6	12.1	14.5	120.9	0.008	8.0	2.59
73.4	7.6	0.01	24.9					
459.300	82.1	-322.1	12.2	14.5	119.2	0.010	8.0	2.60
73.4	7.1	0.01	24.6					

459.400	81.6	-321.7	12.2	14.6	121.8	0.011	8.0	2.60
73.4	7.0	0.01 24.8						
459.500	81.5	-321.3	12.3	14.7	126.5	0.015	8.0	2.59
73.4	7.6	0.01 24.6						
459.600	82.1	-321.2	12.2	14.7	125.7	0.012	8.0	2.59
73.4	7.7	0.01 24.1						
459.700	82.1	-321.2	12.2	14.7	123.7	0.008	8.0	2.58
73.4	8.0	0.01 23.9						
459.800	82.7	-321.2	12.1	14.7	123.3	0.004	8.0	2.58
73.4	8.3	0.01 24.3						
459.900	83.3	-321.4	12.0	14.7	122.4	0.006	8.0	2.57
73.4	9.0	0.01 24.4						
460.000	83.7	-321.8	11.9	14.8	122.6	0.007	8.0	2.56
73.4	9.4	0.01 24.4						
460.100	83.4	-322.3	12.0	14.9	130.4	0.006	8.0	2.56
73.4	9.5	0.01 24.6						
460.200	82.8	-322.9	12.1	14.9	133.4	0.004	8.0	2.56
73.4	9.3	0.01 24.5						
460.300	83.2	-323.5	12.0	14.9	133.0	0.009	8.0	2.55
73.4	9.9	0.01 24.6						
460.400	83.3	-324.0	12.0	14.9	132.8	0.009	8.0	2.55
73.4	10.1	0.01 24.9						
460.500	83.4	-324.5	12.0	14.9	131.1	0.013	8.0	2.55
73.4	10.2	0.01 24.8						
460.600	83.4	-324.9	12.0	14.8	130.6	0.013	8.0	2.54
73.4	10.5	0.01 24.5						
460.700	83.4	-325.2	12.0	14.8	130.6	0.007	8.0	2.54
73.4	10.8	0.01 24.4						
460.800	84.3	-325.4	11.9	14.7	131.7	0.001	8.0	2.53
73.4	11.1	0.01 24.7						
460.900	84.9	-325.6	11.8	14.7	126.5	0.004	8.0	2.53
73.4	10.9	0.01 24.6						
461.000	85.3	-325.9	11.7	14.7	119.6	0.005	8.0	2.54
73.4	10.6	0.01 24.6						
461.100	85.8	-326.1	11.7	14.7	117.0	0.006	8.0	2.54
73.4	10.7	0.01 24.7						
461.200	85.6	-326.2	11.7	14.8	115.3	0.003	8.0	2.54
73.4	10.5	0.01 24.8						
461.300	85.6	-326.3	11.7	14.7	116.4	0.004	8.0	2.54
73.4	10.4	0.01 24.8						
461.400	84.4	-326.5	11.9	14.7	118.5	0.005	8.0	2.55
73.4	10.0	0.02 24.4						
461.500	84.1	-326.8	11.9	14.7	115.5	0.007	8.0	2.56
73.4	9.5	0.02 24.8						
461.600	84.0	-327.2	11.9	14.8	111.2	0.004	8.0	2.56
73.4	9.4	0.02 24.4						
461.700	84.1	-327.6	11.9	14.7	109.2	0.002	8.0	2.56
73.4	9.1	0.02 25.3						
461.800	83.8	-328.3	11.9	14.7	110.5	0.003	8.0	2.58
73.4	8.4	0.02 25.2						
461.900	83.8	-329.3	11.9	14.6	107.9	0.005	8.0	2.58
73.4	8.1	0.02 24.8						
462.000	83.3	-330.2	12.0	14.7	104.9	0.012	8.0	2.59
73.4	7.5	0.02 24.5						

462.100	83.2	-331.0	12.0	14.8	104.2	0.019	8.0	2.59
73.4	7.1	0.02	25.0					
462.200	82.7	-331.9	12.1	14.8	105.5	0.019	8.0	2.59
73.4	7.4	0.02	25.0					
462.300	82.6	-332.8	12.1	14.8	105.8	0.015	8.0	2.58
73.4	8.1	0.02	25.3					
462.400	82.9	-333.4	12.1	14.9	106.2	0.013	8.0	2.56
73.4	9.2	0.02	25.1					
462.500	82.4	-333.7	12.1	14.9	106.6	0.015	8.0	2.55
73.5	10.0	0.02	25.6					
462.600	81.9	-333.8	12.2	15.1	106.4	0.015	8.0	2.54
73.4	10.8	0.01	26.1					
462.700	80.9	-333.9	12.4	15.1	106.0	0.018	8.0	2.53
73.4	11.5	0.01	26.1					
462.800	80.7	-334.1	12.4	15.2	105.5	0.019	8.0	2.50
73.4	13.1	0.02	26.1					
462.900	80.4	-334.1	12.4	15.3	101.2	0.014	8.0	2.48
73.5	14.6	0.02	26.1					
463.000	79.1	-334.0	12.6	15.5	100.4	0.014	8.0	2.46
73.4	15.6	0.02	26.0					
463.100	77.9	-334.0	12.8	15.6	99.9	0.011	8.0	2.44
73.5	16.6	0.01	26.4					
463.200	77.5	-334.3	12.9	15.9	98.0	0.007	8.0	2.43
73.5	17.4	0.02	25.7					
463.300	77.4	-334.9	12.9	16.1	97.1	0.005	8.0	2.41
73.5	18.4	0.02	25.4					
463.400	76.7	-335.8	13.0	16.4	98.0	-0.001	8.0	2.41
73.5	18.8	0.01	25.5					
463.500	75.8	-337.5	13.2	16.6	98.8	-0.001	8.0	2.39
73.5	19.6	0.01	25.6					
463.600	74.4	-339.3	13.5	16.9	93.2	0.002	8.0	2.39
73.5	19.8	0.01	25.1					
463.700	73.9	-341.1	13.5	17.2	88.0	0.003	8.0	2.40
73.5	19.3	0.01	24.5					
463.800	73.4	-343.0	13.6	17.5	85.0	0.004	8.0	2.41
73.5	18.8	0.01	24.1					
463.900	73.6	-344.8	13.6	17.7	81.8	0.003	8.0	2.42
73.5	18.0	0.01	23.7					
464.000	73.8	-346.7	13.6	18.0	80.0	-0.000	8.0	2.43
73.5	17.3	0.01	22.8					
464.100	73.9	-348.4	13.5	18.2	80.0	-0.004	8.0	2.44
73.5	16.7	0.01	21.8					
464.200	74.5	-349.8	13.4	18.4	77.0	-0.002	8.0	2.45
73.5	16.0	0.01	21.1					
464.300	74.5	-351.1	13.4	18.7	76.8	-0.000	8.0	2.47
73.5	14.7	0.01	20.6					
464.400	74.8	-352.0	13.4	18.8	77.2	-0.003	8.0	2.50
73.5	13.2	0.01	20.0					
464.500	75.2	-352.4	13.3	18.9	77.9	0.001	8.0	2.51
73.5	12.6	0.01	19.5					
464.600	75.0	-352.1	13.3	18.9	75.3	-0.001	8.0	2.52
73.5	11.7	0.01	18.8					
464.700	75.0	-351.8	13.3	18.8	73.1	-0.001	8.0	2.52
73.5	11.6	0.01	18.5					

464.800	74.6	-351.6	13.4	18.7	73.3	-0.002	8.0	2.53
73.5	11.3	0.02	18.3					
464.900	74.5	-351.3	13.4	18.6	73.8	-0.002	8.0	2.52
73.5	11.6	0.02	18.3					
465.000	73.2	-350.8	13.7	18.3	75.5	-0.003	8.0	2.52
73.5	11.6	0.02	18.4					
465.100	72.8	-350.2	13.7	18.1	78.9	-0.005	8.0	2.52
73.5	11.6	0.02	18.4					
465.200	72.0	-349.6	13.9	17.9	83.1	-0.003	8.0	2.52
73.5	11.9	0.02	19.0					
465.300	72.1	-349.1	13.9	17.7	83.5	-0.003	8.0	2.52
73.5	12.0	0.02	18.5					
465.400	71.9	-348.6	13.9	17.6	84.1	-0.003	8.0	2.51
73.5	12.3	0.02	18.7					
465.500	71.7	-348.0	13.9	17.6	85.6	-0.002	8.0	2.51
73.5	12.4	0.02	19.2					
465.600	71.4	-347.2	14.0	17.7	86.3	-0.003	8.0	2.51
73.5	12.1	0.02	19.8					
465.700	70.6	-346.3	14.2	17.8	88.2	0.002	8.0	2.51
73.5	12.7	0.02	19.8					
465.800	70.5	-345.4	14.2	18.0	88.2	-0.003	8.0	2.50
73.5	13.1	0.01	19.9					
465.900	70.2	-344.7	14.2	18.1	90.8	-0.002	8.0	2.49
73.5	13.6	0.01	20.3					
466.000	69.0	-344.1	14.5	18.4	91.7	-0.002	8.0	2.49
73.5	13.7	0.02	20.4					
466.100	67.8	-343.6	14.7	18.6	93.7	-0.002	8.0	2.48
73.5	14.1	0.02	20.7					
466.200	67.8	-343.3	14.8	18.6	95.8	-0.003	8.0	2.48
73.5	14.3	0.01	20.7					
466.300	68.1	-343.3	14.7	18.6	95.6	-0.002	8.0	2.47
73.5	15.0	0.01	20.9					
466.400	68.0	-343.2	14.7	18.6	93.4	-0.002	8.0	2.47
73.5	14.8	0.01	20.6					
466.500	67.5	-343.0	14.8	18.5	93.4	-0.005	8.0	2.47
73.5	14.9	0.01	20.7					
466.600	67.5	-342.8	14.8	18.4	96.0	-0.004	8.0	2.47
73.5	15.1	0.01	20.5					
466.700	67.7	-342.9	14.8	18.2	96.7	-0.004	8.0	2.46
73.5	15.3	0.01	20.5					
466.800	67.8	-343.2	14.7	18.0	98.4	-0.004	8.0	2.46
73.5	15.4	0.01	20.5					
466.900	67.9	-343.6	14.7	18.0	103.6	-0.005	8.0	2.46
73.5	15.6	0.01	20.5					
467.000	68.1	-343.7	14.7	17.9	104.2	-0.007	8.0	2.46
73.5	15.5	0.01	20.4					
467.100	68.7	-343.8	14.5	17.8	106.0	-0.003	8.0	2.45
73.5	15.9	0.01	20.2					
467.200	69.0	-343.8	14.5	17.7	108.6	-0.004	8.0	2.45
73.5	16.1	0.01	20.1					
467.300	69.6	-343.7	14.4	17.8	108.6	-0.004	8.0	2.45
73.5	16.1	0.01	20.0					
467.400	69.5	-343.5	14.4	17.8	109.4	-0.005	8.0	2.44
73.5	16.5	0.02	19.7					

467.500	70.1	-343.3	14.3	17.7	108.6	-0.006	8.0	2.44
73.5	16.6	0.02	19.8					
467.600	70.5	-343.1	14.2	17.7	106.6	-0.007	8.0	2.44
73.5	16.5	0.02	20.0					
467.700	70.6	-343.2	14.2	17.8	106.4	-0.003	8.0	2.45
73.5	16.4	0.02	20.5					
467.800	71.2	-343.2	14.1	17.9	106.0	-0.002	8.0	2.45
73.5	15.9	0.02	20.0					
467.900	71.7	-343.0	14.0	17.9	107.3	-0.003	8.0	2.45
73.5	16.0	0.02	20.1					
468.000	72.5	-343.0	13.8	17.9	106.4	-0.004	8.0	2.45
73.5	16.0	0.02	19.8					
468.100	71.9	-343.1	13.9	17.9	106.4	-0.003	8.0	2.46
73.6	15.7	0.02	19.7					
468.200	71.9	-343.3	13.9	17.9	101.7	-0.001	8.0	2.46
73.5	15.4	0.02	19.8					
468.300	72.1	-343.7	13.9	17.9	100.8	-0.001	8.0	2.46
73.5	15.5	0.02	20.2					
468.400	72.1	-344.0	13.9	17.8	101.7	-0.002	8.0	2.47
73.6	15.1	0.02	20.3					
468.500	72.2	-344.3	13.9	17.7	104.7	-0.001	8.0	2.47
73.6	15.2	0.02	20.6					
468.600	72.0	-344.5	13.9	17.7	103.6	-0.000	8.0	2.47
73.6	15.0	0.02	20.7					
468.700	72.5	-344.5	13.8	17.6	102.5	-0.001	8.0	2.48
73.6	14.4	0.02	21.4					
468.800	72.1	-344.4	13.9	17.5	103.4	0.000	8.0	2.49
73.6	13.9	0.02	21.6					
468.900	72.6	-344.1	13.8	17.4	103.4	0.001	8.0	2.49
73.6	13.4	0.01	22.1					
469.000	72.2	-343.7	13.8	17.3	103.6	-0.002	8.0	2.50
73.6	13.2	0.01	22.0					
469.100	72.6	-343.2	13.8	17.3	101.4	-0.002	8.0	2.50
73.6	12.8	0.01	22.0					
469.200	73.1	-342.4	13.7	17.2	102.3	-0.002	8.0	2.51
73.6	12.6	0.01	22.3					
469.300	74.3	-341.5	13.5	17.0	101.4	-0.001	8.0	2.51
73.6	12.5	0.01	22.7					
469.400	74.8	-340.4	13.4	17.0	101.7	0.000	8.0	2.51
73.6	12.4	0.01	23.1					
469.500	74.4	-339.2	13.4	16.9	104.7	-0.005	8.0	2.52
73.6	11.9	0.01	23.2					
469.600	74.2	-338.1	13.5	16.8	107.3	-0.004	8.0	2.52
73.6	12.0	0.01	23.8					
469.700	74.2	-336.9	13.5	16.7	110.7	-0.004	8.0	2.52
73.6	12.0	0.01	24.0					
469.800	74.5	-335.9	13.4	16.7	111.6	-0.005	8.0	2.53
73.6	11.2	0.01	24.0					
469.900	74.2	-334.9	13.5	16.7	108.8	-0.002	8.0	2.53
73.6	11.2	0.01	24.0					
470.000	74.0	-334.0	13.5	16.7	105.8	-0.000	8.0	2.53
73.6	10.9	0.01	24.2					
470.100	73.6	-333.2	13.6	16.6	104.9	0.001	8.0	2.54
73.6	10.4	0.01	24.5					

470.200	74.2	-332.5	13.5	16.7	105.3	0.002	8.0	2.56
73.6	9.4	0.01 24.4						
470.300	74.2	-331.9	13.5	16.7	107.9	0.010	8.0	2.56
73.6	9.5	0.01 24.6						
470.400	74.5	-331.2	13.4	16.7	110.1	0.010	8.0	2.56
73.6	9.4	0.01 24.6						
470.500	73.7	-330.7	13.6	16.5	113.8	0.009	8.0	2.56
73.6	9.6	0.01 25.2						
470.600	74.2	-330.3	13.5	16.5	118.1	0.007	8.0	2.55
73.6	9.6	0.02 24.9						
470.700	74.3	-329.8	13.5	16.5	117.9	0.008	8.0	2.55
73.6	9.7	0.02 24.8						
470.800	75.0	-329.4	13.3	16.4	121.6	0.009	8.0	2.55
73.6	9.8	0.02 24.8						
470.900	75.5	-329.0	13.2	16.4	117.9	0.009	8.0	2.56
73.6	9.6	0.02 25.3						
471.000	75.4	-328.6	13.3	16.4	115.3	0.010	8.0	2.56
73.6	9.4	0.02 25.6						
471.100	75.5	-328.2	13.2	16.4	110.1	0.015	8.0	2.56
73.6	9.5	0.02 25.1						
471.200	75.4	-327.8	13.3	16.4	109.7	0.011	8.0	2.56
73.6	9.5	0.02 24.9						
471.300	75.7	-327.5	13.2	16.2	111.0	0.009	8.0	2.55
73.6	9.7	0.02 25.2						
471.400	75.9	-327.2	13.2	16.1	111.0	0.009	8.0	2.55
73.6	9.7	0.02 25.4						
471.500	76.1	-326.9	13.1	16.1	110.5	0.008	8.0	2.55
73.6	9.8	0.02 25.7						
471.600	76.9	-326.5	13.0	15.9	112.0	0.000	8.0	2.54
73.6	10.4	0.01 25.5						
471.700	76.9	-326.1	13.0	15.9	110.7	-0.002	8.0	2.52
73.6	11.5	0.01 25.9						
471.800	78.0	-325.9	12.8	15.8	107.7	-0.001	8.0	2.53
73.6	11.3	0.01 25.9						
471.900	77.9	-325.8	12.8	15.8	104.9	0.003	8.0	2.53
73.6	11.4	0.01 26.0						
472.000	78.8	-325.8	12.7	15.8	101.0	0.001	8.0	2.53
73.6	11.2	0.01 26.0						
472.100	78.0	-325.8	12.8	15.8	97.3	0.000	8.0	2.53
73.6	11.3	0.01 25.8						
472.200	78.6	-325.9	12.7	15.7	96.5	-0.001	8.0	2.53
73.6	11.2	0.01 25.9						
472.300	78.6	-326.0	12.7	15.8	95.6	0.000	8.0	2.53
73.6	11.0	0.01 25.7						
472.400	78.3	-326.2	12.8	15.6	102.1	-0.000	8.0	2.54
73.6	10.7	0.01 25.8						
472.500	78.0	-326.4	12.8	15.6	103.0	0.003	8.0	2.54
73.6	10.9	0.01 25.9						
472.600	77.7	-326.7	12.9	15.5	106.0	0.005	8.0	2.54
73.6	10.6	0.01 26.4						
472.700	78.8	-327.0	12.7	15.6	106.0	0.005	8.0	2.54
73.6	10.7	0.01 26.9						
472.800	78.8	-327.4	12.7	15.6	103.8	0.002	8.0	2.53
73.6	11.0	0.01 26.7						

472.900	78.8	-327.8	12.7	15.6	103.6	0.002	8.0	2.53
73.6	11.4	0.01 26.8						
473.000	78.1	-328.0	12.8	15.6	103.8	0.003	8.0	2.52
73.6	11.6	0.01 26.3						
473.100	78.7	-328.2	12.7	15.6	102.1	0.001	8.0	2.53
73.6	11.2	0.01 26.6						
473.200	79.0	-328.3	12.7	15.7	105.5	0.002	8.0	2.53
73.6	11.1	0.01 26.1						
473.300	79.9	-328.5	12.5	15.6	106.4	0.003	8.0	2.52
73.6	11.7	0.01 26.4						
473.400	79.0	-328.6	12.7	15.6	106.8	0.004	8.0	2.52
73.6	11.6	0.01 26.2						
473.500	79.6	-328.6	12.6	15.6	106.8	0.004	8.0	2.52
73.6	11.5	0.01 26.1						
473.600	79.2	-328.6	12.6	15.6	107.7	0.005	8.0	2.52
73.6	11.7	0.02 26.5						
473.700	79.9	-328.6	12.5	15.5	107.7	0.001	8.0	2.52
73.6	11.7	0.02 26.4						
473.800	79.8	-328.6	12.5	15.6	107.1	-0.001	8.0	2.53
73.6	11.4	0.02 26.9						
473.900	79.9	-328.5	12.5	15.6	104.7	0.001	8.0	2.53
73.6	11.2	0.02 26.1						
474.000	80.2	-328.4	12.5	15.6	103.4	0.003	8.0	2.54
73.6	10.7	0.02 26.1						
474.100	80.2	-328.3	12.5	15.5	105.3	0.009	8.0	2.54
73.6	10.5	0.02 26.0						
474.200	79.9	-328.2	12.5	15.6	107.1	0.014	8.0	2.55
73.6	9.9	0.02 25.4						
474.300	79.0	-328.2	12.7	15.5	106.2	0.018	8.0	2.55
73.6	9.7	0.02 26.1						
474.400	78.7	-328.1	12.7	15.5	107.5	0.019	8.0	2.57
73.7	9.0	0.02 25.9						
474.500	78.8	-328.1	12.7	15.4	111.0	0.021	8.0	2.57
73.6	8.5	0.02 25.9						
474.600	79.9	-328.0	12.5	15.4	111.0	0.021	8.0	2.57
73.7	8.4	0.02 25.7						
474.700	79.8	-328.0	12.5	15.4	109.9	0.023	8.0	2.57
73.7	8.6	0.02 26.0						
474.800	80.1	-327.9	12.5	15.4	112.9	0.021	8.0	2.58
73.6	8.0	0.02 25.8						
474.900	80.1	-327.8	12.5	15.3	112.0	0.020	8.0	2.57
73.7	8.4	0.02 26.0						
475.000	80.5	-327.7	12.4	15.3	114.2	0.020	8.0	2.58
73.7	8.3	0.02 25.9						
475.100	80.5	-327.4	12.4	15.3	114.4	0.020	8.0	2.58
73.7	8.0	0.02 25.9						
475.200	79.9	-327.2	12.5	15.3	115.5	0.018	8.0	2.58
73.7	7.8	0.01 25.9						
475.300	79.6	-326.9	12.6	15.3	114.2	0.017	8.0	2.58
73.7	8.2	0.01 25.6						
475.400	79.5	-326.7	12.6	15.2	115.1	0.016	8.0	2.58
73.7	8.4	0.01 25.5						
475.500	79.8	-326.3	12.5	15.2	115.9	0.011	8.0	2.57
73.7	8.6	0.01 25.4						

475.600	79.6	-326.0	12.6	15.2	114.0	0.011	8.0	2.56
73.7	9.0	0.01 25.3						
475.700	79.8	-325.6	12.5	15.3	112.3	0.010	8.0	2.56
73.7	9.1	0.01 25.5						
475.800	79.8	-325.3	12.5	15.2	112.9	0.009	8.0	2.57
73.7	9.0	0.01 24.6						
475.900	80.1	-324.9	12.5	15.3	114.6	0.007	8.0	2.56
73.7	9.3	0.01 24.5						
476.000	81.0	-324.7	12.3	15.2	113.1	0.007	8.0	2.56
73.7	9.6	0.01 24.6						
476.100	81.1	-324.5	12.3	15.2	115.3	0.009	8.0	2.55
73.7	9.7	0.01 24.5						
476.200	81.1	-324.4	12.3	15.1	112.0	0.010	8.0	2.56
73.7	9.6	0.01 24.4						
476.300	80.3	-324.2	12.5	15.1	109.9	0.012	8.0	2.55
73.7	9.8	0.01 24.4						
476.400	80.4	-324.3	12.4	15.1	112.3	0.011	8.0	2.56
73.7	9.5	0.01 24.4						
476.500	80.6	-324.3	12.4	15.0	110.7	0.009	8.0	2.56
73.7	9.4	0.01 24.3						
476.600	81.2	-324.2	12.3	14.9	112.9	0.008	8.0	2.56
73.7	9.2	0.01 24.0						
476.700	81.6	-324.1	12.3	14.9	112.3	0.007	8.0	2.56
73.7	9.3	0.01 24.2						
476.800	81.9	-324.0	12.2	14.8	114.8	0.007	8.0	2.56
73.7	9.5	0.02 25.8						
476.900	82.0	-324.0	12.2	14.8	114.8	0.004	8.0	2.55
73.7	10.0	0.02 26.1						
477.000	82.3	-323.8	12.1	14.9	111.8	0.002	8.0	2.55
73.7	10.2	0.02 26.0						
477.100	82.6	-323.6	12.1	14.8	111.8	0.002	8.0	2.55
73.7	9.8	0.02 25.8						
477.200	82.5	-323.4	12.1	14.8	114.0	0.006	8.0	2.55
73.7	10.1	0.02 25.6						
477.300	82.3	-323.3	12.1	14.8	114.8	0.006	8.0	2.55
73.7	10.2	0.02 25.9						
477.400	82.5	-323.2	12.1	14.8	116.1	0.006	8.0	2.55
73.7	10.1	0.01 25.8						
477.500	82.6	-322.9	12.1	14.9	116.6	0.004	8.0	2.55
73.7	9.9	0.02 25.7						
477.600	83.0	-322.7	12.1	14.8	115.5	0.003	8.0	2.56
73.7	9.6	0.02 25.6						
477.700	83.3	-322.5	12.0	14.6	122.4	0.005	8.0	2.56
73.7	9.4	0.02 25.5						
477.800	83.6	-322.4	12.0	14.7	119.6	0.007	8.0	2.56
73.7	9.5	0.01 25.2						
477.900	84.1	-322.3	11.9	14.6	118.3	0.006	8.0	2.56
73.7	9.5	0.01 25.5						
478.000	83.9	-322.3	11.9	14.5	120.7	0.004	8.0	2.56
73.7	9.3	0.01 25.9						
478.100	84.0	-322.3	11.9	14.5	119.0	0.005	8.0	2.56
73.7	9.6	0.01 26.1						
478.200	83.1	-322.3	12.0	14.5	122.2	0.006	8.0	2.56
73.7	9.3	0.01 26.1						

478.300		83.1	-322.3	12.0	14.5	126.5	0.009	8.0	2.56
73.7	9.3	0.01	24.6						
478.400		83.6	-322.2	12.0	14.6	125.7	0.008	8.0	2.56
73.7	9.3	0.01	24.6						
478.500		84.1	-322.1	11.9	14.5	131.3	0.003	8.0	2.55
73.7	9.7	0.01	24.7						
478.600		83.9	-322.1	11.9	14.5	131.1	0.001	8.0	2.55
73.7	9.7	0.01	25.4						
478.700		83.8	-322.0	11.9	14.5	129.3	0.001	8.0	2.55
73.7	9.8	0.01	26.1						
478.800		83.9	-321.9	11.9	14.5	127.8	0.007	8.0	2.56
73.7	9.6	0.01	26.1						
478.900		84.9	-321.8	11.8	14.4	123.3	0.007	8.0	2.56
73.7	9.5	0.01	26.5						
479.000		84.9	-321.7	11.8	14.2	121.6	0.005	8.0	2.55
73.7	9.7	0.01	26.5						
479.100		85.1	-321.5	11.7	14.2	121.8	0.002	8.0	2.55
73.7	9.9	0.02	27.3						
479.200		85.1	-321.3	11.8	14.1	121.3	0.003	8.0	2.55
73.7	9.9	0.02	27.5						
479.300		85.4	-321.1	11.7	14.0	124.4	0.005	8.0	2.55
73.7	9.7	0.02	27.9						
479.400		84.9	-320.9	11.8	13.9	122.2	0.005	8.0	2.55
73.7	9.6	0.02	28.0						
479.500		84.6	-320.7	11.8	13.9	121.1	0.004	8.0	2.55
73.7	10.0	0.02	27.7						
479.600		85.5	-320.4	11.7	13.8	120.7	0.001	8.0	2.55
73.7	10.2	0.02	28.1						
479.700		87.0	-320.2	11.5	13.8	115.7	-0.000	8.0	2.54
73.7	10.7	0.02	28.6						
479.800		87.8	-320.1	11.4	13.8	112.5	0.002	8.0	2.54
73.7	10.7	0.02	28.6						
479.900		87.7	-320.0	11.4	13.7	112.7	0.001	8.0	2.54
73.7	10.4	0.02	29.0						
480.000		87.7	-319.9	11.4	13.6	114.2	-0.001	8.0	2.54
73.7	10.3	0.02	29.0						
480.100		88.4	-319.8	11.3	13.5	114.4	-0.006	8.0	2.54
73.7	10.6	0.02	28.4						
480.200		89.1	-319.7	11.2	13.5	115.3	-0.007	8.0	2.55
73.7	10.1	0.02	27.9						
480.300		89.1	-319.5	11.2	13.4	116.1	-0.002	8.0	2.55
73.7	10.1	0.02	28.0						
480.400		88.7	-319.4	11.3	13.3	117.0	0.001	8.0	2.55
73.7	10.2	0.02	28.3						
480.500		88.0	-319.3	11.4	13.2	115.7	0.002	8.0	2.55
73.7	10.2	0.02	28.3						
480.600		88.6	-319.2	11.3	13.2	114.6	0.002	8.0	2.54
73.8	10.3	0.02	27.5						
480.700		88.8	-319.0	11.3	13.2	109.0	0.001	8.0	2.54
73.7	10.3	0.02	27.6						
480.800		89.6	-318.7	11.2	13.2	108.6	0.001	8.0	2.55
73.8	10.1	0.02	27.4						
480.900		89.8	-318.4	11.1	13.2	109.4	0.002	8.0	2.56
73.8	9.6	0.02	27.2						

481.000	90.9	-318.1	11.0	13.1	107.9	0.005	8.0	2.56
73.8	9.2	0.02 27.2						
481.100	90.7	-317.9	11.0	13.1	110.1	0.008	8.0	2.57
73.8	8.9	0.02 27.1						
481.200	91.3	-317.7	11.0	13.0	111.0	0.012	8.0	2.57
73.8	8.9	0.02 26.5						
481.300	90.7	-317.5	11.0	13.0	109.2	0.011	8.0	2.57
73.8	8.4	0.02 27.1						
481.400	91.5	-317.3	10.9	13.0	112.3	0.015	8.0	2.58
73.8	8.3	0.02 26.9						
481.500	92.1	-317.2	10.9	12.9	108.4	0.015	8.0	2.58
73.8	8.3	0.02 26.9						
481.600	92.9	-317.0	10.8	12.9	109.7	0.010	8.0	2.58
73.8	7.9	0.02 27.1						
481.700	92.7	-316.9	10.8	12.8	109.0	0.009	8.0	2.57
73.8	8.6	0.02 27.3						
481.800	92.4	-316.8	10.8	12.8	111.2	0.008	8.0	2.57
73.8	8.7	0.02 27.1						
481.900	92.0	-316.8	10.9	12.8	112.7	0.006	8.0	2.57
73.8	8.8	0.02 27.2						
482.000	92.7	-316.8	10.8	12.7	115.3	0.004	8.0	2.57
73.8	8.8	0.02 27.3						
482.100	93.2	-316.8	10.7	12.6	115.1	0.006	8.0	2.57
73.8	8.6	0.02 27.4						
482.200	93.7	-316.7	10.7	12.6	113.8	0.008	8.0	2.58
73.8	7.9	0.02 27.5						
482.300	93.2	-316.7	10.7	12.5	111.0	0.009	8.0	2.58
73.8	7.9	0.02 28.0						
482.400	93.7	-316.6	10.7	12.5	110.5	0.008	8.0	2.58
73.8	8.4	0.02 27.8						
482.500	93.8	-316.5	10.7	12.4	113.1	0.004	8.0	2.57
73.8	8.6	0.02 28.0						
482.600	94.0	-316.4	10.6	12.3	111.0	0.008	8.0	2.57
73.8	8.5	0.02 27.6						
482.700	93.9	-316.4	10.6	12.2	116.1	0.005	8.0	2.58
73.8	8.0	0.02 27.7						
482.800	94.8	-316.4	10.5	12.1	115.7	0.006	8.0	2.58
73.8	8.3	0.02 27.5						
482.900	95.6	-316.4	10.5	11.9	116.6	0.008	8.0	2.58
73.8	8.2	0.02 27.5						
483.000	95.8	-316.4	10.4	11.8	120.0	0.009	8.0	2.58
73.8	8.1	0.02 27.7						
483.100	96.2	-316.4	10.4	11.7	118.3	0.008	8.0	2.58
73.8	8.3	0.02 27.8						
483.200	97.2	-316.4	10.3	11.6	120.7	0.009	8.0	2.58
73.8	8.1	0.02 28.0						
483.300	98.3	-316.3	10.2	11.6	117.9	0.012	8.0	2.58
73.8	8.2	0.02 28.1						
483.400	98.4	-316.1	10.2	11.5	118.3	0.012	8.0	2.58
73.8	7.9	0.02 28.0						
483.500	98.7	-315.9	10.1	11.5	116.4	0.012	8.0	2.58
73.8	8.3	0.02 28.3						
483.600	98.3	-315.6	10.2	11.4	115.9	0.007	8.0	2.57
73.8	8.4	0.02 28.4						

483.700	99.1	-315.4	10.1	11.3	119.2	0.008	8.0	2.56
73.8	9.3	0.02 28.2						
483.800	99.4	-315.2	10.1	11.3	123.5	0.008	8.0	2.57
73.8	9.0	0.02 27.7						
483.900	99.5	-315.1	10.1	11.2	129.3	0.010	8.0	2.57
73.8	9.0	0.02 28.2						
484.000	99.4	-314.9	10.1	11.2	130.6	0.010	8.0	2.56
73.8	9.1	0.02 28.0						
484.100	99.4	-314.8	10.1	11.1	132.2	0.009	8.0	2.56
73.8	9.4	0.02 28.8						
484.200	100.5	-314.7	9.9	11.0	129.1	0.006	8.0	2.55
73.8	9.7	0.02 28.7						
484.300	101.4	-314.5	9.9	11.0	130.2	0.004	8.0	2.55
73.8	9.8	0.02 29.3						
484.400	102.8	-314.4	9.7	10.9	126.3	0.004	8.0	2.56
73.8	9.5	0.02 29.1						
484.500	103.1	-314.5	9.7	10.8	126.5	0.008	8.0	2.56
73.8	9.2	0.02 29.0						
484.600	103.6	-314.6	9.7	10.7	131.5	0.008	8.1	2.56
73.8	9.6	0.02 29.3						
484.700	103.8	-314.7	9.6	10.5	129.3	0.006	8.0	2.55
73.8	9.7	0.02 29.3						
484.800	104.5	-314.8	9.6	10.4	130.9	0.005	8.0	2.56
73.8	9.6	0.02 29.3						
484.900	105.7	-314.9	9.5	10.3	128.7	0.007	8.0	2.56
73.8	9.4	0.02 29.0						
485.000	106.1	-314.7	9.4	10.2	131.9	0.005	8.0	2.56
73.8	9.3	0.02 28.6						
485.100	106.5	-314.6	9.4	10.1	131.9	0.006	8.0	2.56
73.8	9.2	0.02 28.2						
485.200	108.0	-314.5	9.3	10.0	136.5	0.004	8.0	2.57
73.8	9.0	0.02 28.6						
485.300	108.9	-314.3	9.2	9.9	135.4	0.006	8.1	2.56
73.9	9.2	0.02 28.6						
485.400	110.2	-314.1	9.1	9.8	131.3	0.009	8.0	2.56
73.8	9.1	0.02 28.3						
485.500	110.7	-313.9	9.0	9.7	129.6	0.011	8.0	2.57
73.9	9.0	0.02 28.4						
485.600	111.7	-313.7	9.0	9.6	131.1	0.013	8.0	2.57
73.8	8.9	0.02 27.6						
485.700	112.9	-313.4	8.9	9.5	132.4	0.014	8.0	2.58
73.9	8.3	0.02 28.0						
485.800	113.0	-313.3	8.9	9.4	134.1	0.014	8.0	2.58
73.9	8.0	0.02 27.3						
485.900	114.2	-313.3	8.8	9.3	136.7	0.015	8.0	2.58
73.9	8.3	0.02 27.1						
486.000	115.3	-313.1	8.7	9.2	136.7	0.017	8.1	2.57
73.9	8.5	0.02 26.8						
486.100	116.5	-312.9	8.6	9.1	139.9	0.018	8.0	2.59
73.9	7.7	0.02 26.7						
486.200	116.7	-312.7	8.6	9.0	141.7	0.021	8.0	2.59
73.9	7.6	0.02 26.4						
486.300	117.4	-312.5	8.5	8.9	142.5	0.022	8.0	2.58
73.9	7.9	0.02 26.8						

486.400	117.6	-312.4	8.5	8.8	144.0	0.023	8.0	2.58
73.9	8.0	0.02 26.9						
486.500	118.3	-312.2	8.5	8.7	140.6	0.022	8.0	2.59
73.9	7.7	0.02 27.2						
486.600	119.3	-312.2	8.4	8.7	143.4	0.023	8.0	2.58
73.9	8.0	0.02 27.5						
486.700	120.8	-312.1	8.3	8.6	139.5	0.022	8.0	2.57
73.9	8.5	0.02 26.7						
486.800	122.3	-312.0	8.2	8.5	141.2	0.022	8.0	2.57
73.9	8.5	0.02 27.2						
486.900	123.0	-311.8	8.1	8.4	142.1	0.020	8.0	2.57
73.9	8.9	0.02 27.3						
487.000	124.0	-311.4	8.1	8.3	143.0	0.021	8.0	2.56
73.9	9.1	0.02 28.0						
487.100	126.0	-311.4	7.9	8.3	144.3	0.018	8.0	2.57
73.9	8.9	0.02 28.2						
487.200	127.3	-311.3	7.9	8.1	143.0	0.018	8.0	2.56
73.9	9.2	0.01 28.0						
487.300	128.5	-311.2	7.8	8.0	143.4	0.019	8.0	2.56
73.9	9.6	0.01 28.7						
487.400	129.2	-311.1	7.7	8.0	142.5	0.019	8.0	2.55
73.9	9.6	0.02 29.0						
487.500	130.6	-311.0	7.7	7.9	140.2	0.017	8.0	2.55
73.9	9.7	0.02 29.1						
487.600	132.5	-310.9	7.5	7.8	138.0	0.015	8.0	2.55
73.9	9.8	0.02 29.8						
487.700	134.8	-310.6	7.4	7.8	141.0	0.018	8.0	2.55
73.9	10.2	0.02 29.9						
487.800	135.8	-310.4	7.4	7.7	142.3	0.016	8.0	2.55
73.9	10.1	0.02 29.7						
487.900	137.1	-310.3	7.3	7.6	143.0	0.014	8.0	2.55
73.9	10.2	0.02 29.6						
488.000	138.7	-310.2	7.2	7.5	146.9	0.013	8.1	2.54
73.9	10.4	0.01 29.5						
488.100	140.9	-310.1	7.1	7.5	147.5	0.013	8.0	2.54
73.9	10.3	0.02 31.4						
488.200	142.7	-309.9	7.0	7.4	149.2	0.012	8.0	2.55
73.9	10.2	0.02 31.8						
488.300	143.5	-309.7	7.0	7.3	149.9	0.011	8.0	2.54
73.9	10.8	0.02 31.7						
488.400	145.5	-309.5	6.9	7.2	153.3	0.007	8.0	2.54
73.9	10.5	0.02 32.0						
488.500	147.9	-309.4	6.8	7.1	152.3	0.009	8.0	2.54
73.9	10.9	0.02 31.3						
488.600	150.6	-309.3	6.6	7.0	150.5	0.006	8.0	2.53
73.9	11.2	0.02 31.8						
488.700	152.2	-309.2	6.6	7.0	154.4	0.006	8.0	2.52
73.9	11.5	0.02 32.1						
488.800	153.7	-309.1	6.5	6.9	153.1	0.005	8.0	2.53
73.9	11.4	0.02 31.3						
488.900	154.8	-309.1	6.5	6.8	151.8	0.005	8.0	2.52
73.9	11.6	0.02 31.6						
489.000	156.4	-308.9	6.4	6.8	152.9	0.002	8.0	2.52
73.9	11.7	0.02 31.8						

489.100	157.9	-308.8	6.3	6.7	148.2	0.002	8.0	2.52
73.9	12.1	0.02 31.2						
489.200	159.3	-308.7	6.3	6.6	144.5	0.001	8.0	2.52
73.9	11.8	0.02 31.1						
489.300	160.6	-308.6	6.2	6.6	146.2	0.002	8.1	2.53
73.9	11.5	0.02 31.2						
489.400	161.7	-308.5	6.2	6.5	148.8	0.006	8.0	2.52
73.9	11.9	0.02 31.6						
489.500	163.9	-308.5	6.1	6.5	148.2	0.005	8.1	2.52
73.9	11.6	0.02 31.4						
489.600	165.3	-308.4	6.1	6.5	152.5	0.008	8.1	2.53
73.9	11.4	0.02 29.6						
489.700	167.8	-308.4	6.0	6.4	152.5	0.012	8.1	2.53
73.9	11.2	0.02 29.5						
489.800	168.2	-308.4	5.9	6.4	151.2	0.010	8.1	2.53
73.9	11.0	0.02 29.3						
489.900	169.4	-308.4	5.9	6.3	150.3	0.011	8.1	2.52
73.9	11.7	0.01 29.0						
490.000	169.3	-308.4	5.9	6.3	154.0	0.008	8.1	2.52
73.9	11.7	0.01 29.3						
490.100	169.6	-308.4	5.9	6.2	156.2	0.007	8.1	2.53
73.9	11.3	0.01 28.4						
490.200	169.9	-308.4	5.9	6.2	153.6	0.009	8.1	2.52
73.9	11.7	0.02 28.6						
490.300	170.3	-308.3	5.9	6.2	152.7	0.008	8.0	2.52
73.9	11.9	0.01 28.4						
490.400	171.5	-308.3	5.8	6.2	153.1	0.010	8.1	2.52
73.9	12.0	0.01 28.5						
490.500	172.1	-308.2	5.8	6.2	154.6	0.012	8.0	2.52
73.9	11.9	0.01 28.8						
490.600	172.3	-308.2	5.8	6.2	157.2	0.013	8.1	2.52
73.9	11.7	0.01 28.4						
490.700	172.0	-308.1	5.8	6.2	156.6	0.013	8.0	2.54
74.0	10.8	0.02 28.4						
490.800	172.6	-308.1	5.8	6.3	154.6	0.020	8.0	2.54
73.9	10.6	0.02 28.5						
490.900	172.5	-308.0	5.8	6.3	155.5	0.019	8.1	2.55
73.9	9.8	0.02 28.2						
491.000	172.5	-307.9	5.8	6.3	156.2	0.015	8.0	2.55
73.9	9.7	0.02 29.2						
491.100	171.6	-307.8	5.8	6.4	152.3	0.010	8.0	2.56
74.0	9.6	0.02 29.1						
491.200	171.3	-307.9	5.8	6.4	151.0	0.006	8.0	2.56
74.0	9.0	0.02 29.0						
491.300	170.4	-307.9	5.9	6.4	148.4	0.007	8.1	2.59
74.0	7.6	0.02 29.5						
491.400	169.0	-307.9	5.9	6.4	144.9	0.015	8.1	2.62
74.0	5.3	0.02 29.6						
491.500	168.2	-308.0	5.9	6.5	143.6	0.025	8.1	2.65
73.9	3.7	0.02 29.9						
491.600	167.4	-308.1	6.0	6.6	151.0	0.033	8.0	2.66
73.9	3.4	0.02 30.6						
491.700	166.5	-308.3	6.0	6.6	151.6	0.037	8.0	2.66
74.0	2.9	0.02 30.1						

491.800	165.2	-308.5	6.1	6.7	160.3	0.037	8.0	2.66
74.0	2.9	0.02 30.0						
491.900	163.6	-309.0	6.1	6.8	170.6	0.034	8.0	2.66
74.0	2.9	0.02 29.7						
492.000	162.6	-309.5	6.1	6.9	179.9	0.030	8.0	2.66
74.0	3.4	0.02 30.0						
492.100	161.4	-310.2	6.2	7.0	191.8	0.023	8.0	2.65
74.0	4.0	0.02 30.7						
492.200	160.2	-310.8	6.2	7.1	207.0	0.024	8.0	2.62
74.0	5.5	0.02 31.1						
492.300	158.9	-311.4	6.3	7.2	221.9	0.025	8.0	2.61
74.0	6.3	0.02 30.8						
492.400	157.2	-312.0	6.4	7.3	239.2	0.032	8.0	2.59
74.0	7.5	0.02 31.2						
492.500	155.5	-312.8	6.4	7.5	269.5	0.037	8.0	2.58
74.0	8.0	0.02 30.7						
492.600	153.0	-313.7	6.5	7.7	299.8	0.045	8.0	2.56
74.0	9.4	0.02 31.4						
492.700	150.8	-314.6	6.6	7.8	333.9	0.038	8.0	2.52
74.0	11.7	0.02 31.8						
492.800	148.4	-315.5	6.7	8.0	373.7	0.021	8.0	2.47
74.0	14.8	0.02 31.7						
492.900	147.2	-316.5	6.8	8.1	419.2	0.011	8.0	2.41
74.0	18.7	0.02 31.4						
493.000	145.5	-317.4	6.9	8.3	460.9	0.003	8.0	2.35
74.0	22.7	0.02 30.8						
493.100	144.1	-318.5	6.9	8.4	487.3	-0.002	8.1	2.29
74.0	26.1	0.02 30.7						
493.200	141.7	-319.7	7.1	8.6	525.8	-0.007	8.0	2.25
74.0	28.4	0.02 31.8						
493.300	140.4	-321.5	7.1	8.8	548.7	-0.006	8.0	2.22
74.0	30.3	0.02 32.7						
493.400	139.7	-324.1	7.2	9.0	569.3	-0.006	8.0	2.20
74.0	31.6	0.02 33.1						
493.500	139.2	-327.5	7.2	9.2	590.0	-0.004	8.1	2.17
74.0	33.4	0.02 33.7						
493.600	138.0	-332.0	7.2	9.4	597.2	-0.006	8.1	2.15
74.0	35.1	0.02 33.6						
493.700	136.7	-337.2	7.3	9.5	597.6	-0.014	8.1	2.13
74.0	36.3	0.02 33.4						
493.800	135.1	-342.7	7.4	9.7	592.8	-0.020	8.1	2.11
74.0	37.2	0.02 34.1						
493.900	134.0	-348.1	7.5	9.7	577.7	-0.027	8.2	2.11
74.0	37.0	0.02 34.3						
494.000	131.9	-352.4	7.6	9.7	553.5	-0.025	8.1	2.11
74.0	37.5	0.01 34.3						
494.100	130.7	-355.2	7.6	9.7	527.3	-0.024	8.1	2.11
74.0	37.1	0.01 33.9						
494.200	129.3	-356.7	7.7	9.7	497.0	-0.021	8.1	2.14
74.0	35.6	0.01 34.0						
494.300	129.5	-357.3	7.7	9.7	462.6	-0.018	8.1	2.16
74.0	34.2	0.01 33.5						
494.400	128.3	-356.3	7.8	9.7	420.7	-0.013	8.2	2.19
74.0	32.6	0.01 33.9						

494.500	127.9	-353.7	7.8	9.6	381.1	-0.010	8.1	2.22
74.0	30.2	0.02 34.1						
494.600	126.0	-350.0	7.9	9.5	347.8	-0.010	8.2	2.26
74.0	27.7	0.01 33.9						
494.700	125.7	-344.9	8.0	9.4	307.3	-0.009	8.2	2.29
74.0	26.2	0.01 32.8						
494.800	124.4	-338.5	8.0	9.4	272.3	-0.015	8.2	2.32
74.0	24.5	0.01 33.3						
494.900	123.1	-331.8	8.1	9.3	242.9	-0.011	8.2	2.34
74.0	23.2	0.02 33.3						
495.000	120.5	-325.0	8.3	9.3	210.4	-0.006	8.2	2.37
74.0	21.2	0.02 31.8						
495.100	117.2	-319.1	8.5	9.3	191.0	0.001	8.2	2.41
74.0	18.7	0.02 31.3						
495.200	115.2	-314.4	8.7	9.4	176.9	0.011	8.2	2.44
74.0	16.8	0.02 30.8						
495.300	114.4	-310.6	8.7	9.5	165.2	0.012	8.2	2.45
74.0	16.0	0.02 30.6						
495.400	113.8	-307.4	8.8	9.7	157.7	0.016	8.1	2.46
74.0	15.7	0.02 29.6						
495.500	112.6	-305.1	8.9	9.9	151.2	0.018	8.2	2.47
74.0	15.1	0.02 29.3						
495.600	110.5	-303.5	9.1	10.0	145.3	0.018	8.1	2.47
74.0	14.8	0.02 29.0						
495.700	109.4	-302.2	9.1	10.2	140.6	0.017	8.1	2.48
74.0	14.3	0.02 28.7						
495.800	108.1	-301.2	9.3	10.3	136.3	0.021	8.1	2.49
74.0	13.9	0.02 29.1						
495.900	107.6	-300.5	9.3	10.5	133.2	0.021	8.1	2.50
74.0	12.8	0.02 29.5						
496.000	106.7	-299.9	9.4	10.6	129.3	0.023	8.1	2.52
74.0	11.7	0.02 28.8						
496.100	106.6	-299.3	9.4	10.7	125.9	0.029	8.1	2.53
74.0	11.2	0.02 28.4						
496.200	106.3	-299.0	9.4	10.9	125.0	0.031	8.1	2.54
74.1	10.5	0.02 28.2						
496.300	107.1	-298.9	9.3	11.0	129.8	0.029	8.1	2.55
74.0	10.0	0.01 26.7						
496.400	106.8	-299.1	9.4	11.1	130.6	0.026	8.1	2.55
74.0	9.9	0.01 25.8						
496.500	106.4	-299.5	9.4	11.2	128.9	0.014	8.1	2.56
74.0	9.4	0.01 25.6						
496.600	105.9	-300.2	9.4	11.3	127.6	0.014	8.1	2.56
74.1	9.2	0.01 25.5						
496.700	106.9	-301.0	9.4	11.4	127.8	0.014	8.1	2.56
74.0	9.0	0.01 25.5						
496.800	108.4	-301.8	9.2	11.5	129.6	0.015	8.1	2.57
74.1	8.6	0.01 24.8						
496.900	109.1	-302.7	9.2	11.5	130.4	0.013	8.1	2.58
74.1	8.2	0.01 24.9						
497.000	108.3	-303.6	9.2	11.5	128.7	0.015	8.1	2.59
74.1	7.2	0.01 24.8						
497.100	107.9	-304.6	9.3	11.5	129.1	0.018	8.1	2.60
74.1	6.6	0.01 24.5						

497.200	108.0	-305.6	9.3	11.5	128.3	0.016	8.1	2.60
74.1	6.6	0.01 24.2						
497.300	107.9	-306.4	9.3	11.5	131.9	0.016	8.1	2.61
74.1	6.4	0.01 23.3						
497.400	107.7	-307.2	9.3	11.5	133.2	0.013	8.1	2.62
74.1	5.8	0.01 23.0						
497.500	106.8	-307.6	9.4	11.4	133.7	0.016	8.1	2.62
74.1	5.8	0.01 23.3						
497.600	107.0	-307.9	9.3	11.4	134.7	0.020	8.1	2.63
74.1	5.0	0.01 23.5						
497.700	106.6	-308.1	9.4	11.4	137.8	0.023	8.1	2.64
74.1	4.4	0.01 24.5						
497.800	106.4	-308.2	9.4	11.4	136.7	0.027	8.1	2.65
74.1	3.9	0.01 24.5						
497.900	106.3	-308.1	9.4	11.3	134.7	0.026	8.1	2.67
74.1	2.6	0.02 24.8						
498.000	106.0	-308.0	9.4	11.3	134.7	0.027	8.1	2.67
74.1	2.5	0.02 25.0						
498.100	105.1	-307.9	9.5	11.3	133.4	0.024	8.1	2.67
74.1	2.5	0.02 25.1						
498.200	104.3	-307.7	9.6	11.3	133.0	0.024	8.1	2.68
74.1	1.8	0.02 25.2						
498.300	104.0	-307.5	9.6	11.2	130.9	0.027	8.1	2.68
74.1	1.6	0.02 25.9						
498.400	104.1	-307.4	9.6	11.2	131.1	0.022	8.1	2.69
74.1	1.1	0.02 26.6						
498.500	103.7	-307.3	9.6	11.3	130.6	0.025	8.1	2.69
74.1	1.3	0.02 26.5						
498.600	103.3	-307.3	9.7	11.3	130.4	0.025	8.1	2.69
74.1	1.1	0.02 27.1						
498.700	102.7	-307.4	9.7	11.2	136.0	0.028	8.1	2.69
74.1	1.2	0.02 27.5						
498.800	102.6	-307.5	9.8	11.2	134.3	0.022	8.1	2.70
74.1	0.6	0.02 28.2						
498.900	102.1	-307.7	9.8	11.2	133.9	0.026	8.1	2.68
74.1	1.7	0.02 27.8						
499.000	101.9	-308.0	9.8	11.2	134.7	0.021	8.1	2.67
74.1	2.2	0.02 28.2						
499.100	101.8	-308.2	9.8	11.2	136.7	0.023	8.1	2.66
74.1	3.3	0.02 28.2						
499.200	101.5	-308.5	9.9	11.2	133.2	0.021	8.1	2.65
74.1	3.6	0.02 27.7						
499.300	101.6	-308.7	9.8	11.2	132.8	0.020	8.1	2.64
74.1	4.1	0.02 28.0						
499.400	101.9	-308.9	9.8	11.1	136.7	0.023	8.1	2.64
74.1	4.7	0.02 28.3						
499.500	103.3	-309.1	9.7	11.0	141.2	0.027	8.1	2.63
74.1	5.0	0.02 28.5						
499.600	104.0	-309.2	9.6	10.9	146.9	0.026	8.1	2.62
74.1	5.4	0.02 28.3						
499.700	104.7	-309.1	9.6	10.8	147.7	0.025	8.1	2.61
74.1	6.4	0.02 28.5						
499.800	104.5	-309.0	9.6	10.7	151.4	0.023	8.1	2.60
74.1	6.5	0.02 28.1						

499.900	106.0	-309.0	9.4	10.6	154.9	0.023	8.1	2.60
74.1	6.8	0.02 27.4						
500.000	107.2	-308.8	9.3	10.4	155.5	0.021	8.1	2.60
74.1	7.0	0.02 27.3						
500.100	108.7	-308.7	9.2	10.3	157.0	0.026	8.1	2.59
74.1	7.5	0.02 27.4						
500.200	109.1	-308.5	9.2	10.2	155.7	0.020	8.1	2.59
74.1	7.7	0.02 26.7						
500.300	109.8	-308.3	9.1	10.1	156.6	0.021	8.1	2.58
74.1	8.1	0.02 26.4						
500.400	110.7	-308.1	9.0	9.9	158.1	0.019	8.1	2.58
74.1	8.0	0.02 26.4						
500.500	111.5	-308.0	9.0	9.8	154.6	0.019	8.1	2.58
74.1	7.8	0.02 26.1						
500.600	112.3	-307.8	8.9	9.6	151.0	0.019	8.1	2.60
74.1	6.9	0.02 26.2						
500.700	113.3	-307.7	8.8	9.6	155.3	0.022	8.1	2.61
74.1	6.5	0.02 26.3						
500.800	114.7	-307.6	8.7	9.4	156.2	0.022	8.1	2.61
74.1	6.2	0.02 26.8						
500.900	115.8	-307.5	8.6	9.3	153.6	0.019	8.1	2.62
74.1	5.6	0.01 26.4						
501.000	117.1	-307.4	8.5	9.3	150.3	0.020	8.1	2.63
74.2	5.2	0.01 27.1						
501.100	118.0	-307.2	8.5	9.1	145.6	0.021	8.1	2.63
74.1	5.2	0.01 27.7						
501.200	119.2	-307.1	8.4	9.1	146.4	0.019	8.1	2.64
74.2	4.5	0.02 27.6						
501.300	119.8	-307.1	8.3	9.0	142.7	0.017	8.1	2.64
74.2	4.1	0.02 27.4						
501.400	120.8	-307.0	8.3	8.9	140.2	0.018	8.1	2.66
74.1	3.4	0.02 27.7						
501.500	121.6	-307.0	8.2	8.8	141.5	0.026	8.1	2.66
74.2	3.2	0.02 27.7						
501.600	123.7	-307.0	8.1	8.8	144.0	0.030	8.1	2.66
74.2	2.9	0.02 27.6						
501.700	124.9	-307.0	8.0	8.7	144.5	0.032	8.1	2.66
74.2	3.1	0.02 28.0						
501.800	125.7	-306.9	8.0	8.7	142.7	0.032	8.1	2.66
74.2	3.3	0.02 28.2						
501.900	126.0	-306.8	7.9	8.6	142.3	0.030	8.1	2.64
74.2	4.1	0.02 28.1						
502.000	127.3	-306.9	7.9	8.6	143.6	0.022	8.1	2.64
74.2	4.4	0.02 28.2						
502.100	128.9	-306.9	7.8	8.5	145.6	0.018	8.1	2.63
74.2	5.2	0.02 28.4						
502.200	129.4	-306.9	7.7	8.4	145.6	0.017	8.1	2.61
74.2	6.1	0.02 28.4						
502.300	129.6	-306.8	7.7	8.4	147.1	0.014	8.1	2.61
74.2	6.2	0.02 27.8						
502.400	130.2	-306.8	7.7	8.3	149.5	0.014	8.1	2.60
74.2	7.1	0.02 28.2						
502.500	131.4	-306.7	7.6	8.2	149.0	0.014	8.1	2.59
74.2	7.6	0.02 27.3						

502.600	133.2	-306.6	7.5	8.1	148.4	0.014	8.1	2.60
74.2	6.7	0.02	27.0					
502.700	134.8	-306.5	7.4	7.9	145.3	0.014	8.1	2.59
74.2	7.2	0.02	26.8					
502.800	135.8	-306.4	7.4	7.8	147.7	0.004	8.1	2.58
74.2	7.8	0.02	26.9					
502.900	135.7	-306.5	7.4	7.8	148.6	0.003	8.1	2.57
74.2	8.8	0.02	26.4					
503.000	136.2	-306.6	7.3	7.7	154.9	0.002	8.1	2.57
74.2	9.0	0.02	26.5					
503.100	136.5	-306.6	7.3	7.6	153.1	0.005	8.1	2.56
74.2	9.1	0.02	26.6					
503.200	138.1	-306.6	7.2	7.5	156.6	0.008	8.1	2.57
74.2	8.7	0.02	26.6					
503.300	138.9	-306.6	7.2	7.4	158.8	0.012	8.1	2.58
74.2	8.4	0.02	26.4					
503.400	140.3	-306.6	7.1	7.4	159.0	0.014	8.1	2.59
74.2	7.6	0.02	26.2					
503.500	140.7	-306.6	7.1	7.3	162.2	0.016	8.1	2.58
74.2	7.8	0.01	26.2					
503.600	142.0	-306.6	7.0	7.2	166.5	0.017	8.1	2.59
74.2	7.6	0.01	25.9					
503.700	142.9	-306.5	7.0	7.2	168.1	0.017	8.1	2.58
74.2	7.9	0.01	25.6					
503.800	145.0	-306.5	6.9	7.1	165.9	0.015	8.1	2.59
74.2	7.7	0.01	25.7					
503.900	146.9	-306.4	6.8	7.1	162.9	0.019	8.1	2.60
74.2	7.1	0.01	25.4					
504.000	149.1	-306.3	6.7	7.0	166.3	0.018	8.1	2.60
74.2	7.0	0.01	25.6					
504.100	150.3	-306.1	6.7	7.0	172.2	0.019	8.1	2.58
74.2	8.2	0.01	25.8					
504.200	151.8	-305.9	6.6	6.9	176.5	0.016	8.1	2.58
74.2	8.3	0.01	26.1					
504.300	153.6	-305.8	6.5	6.8	182.3	0.015	8.1	2.58
74.2	8.3	0.01	25.8					
504.400	155.5	-305.8	6.4	6.8	184.3	0.013	8.1	2.57
74.2	8.5	0.01	26.4					
504.500	157.2	-305.7	6.4	6.7	182.5	0.011	8.1	2.56
74.2	9.0	0.01	26.2					
504.600	158.8	-305.7	6.3	6.7	180.4	0.010	8.1	2.56
74.2	9.3	0.01	26.0					
504.700	161.4	-305.6	6.2	6.6	174.3	0.009	8.1	2.56
74.2	9.5	0.01	26.2					
504.800	163.5	-305.6	6.1	6.6	176.9	0.012	8.1	2.55
74.2	9.8	0.01	27.5					
504.900	166.2	-305.6	6.0	6.5	181.2	0.014	8.1	2.55
74.2	10.1	0.02	27.7					
505.000	168.7	-305.6	5.9	6.4	185.4	0.015	8.1	2.55
74.2	10.1	0.02	27.8					
505.100	171.7	-305.6	5.8	6.4	185.8	0.016	8.1	2.54
74.2	10.5	0.01	27.7					
505.200	174.5	-305.7	5.7	6.3	191.2	0.011	8.1	2.54
74.2	10.3	0.01	27.6					

505.300	177.0	-305.8	5.6	6.2	198.3	0.005	8.1	2.53
74.2	11.1	0.01	27.5					
505.400	179.6	-305.9	5.6	6.1	208.9	0.004	8.1	2.52
74.2	12.0	0.01	27.6					
505.500	181.9	-305.9	5.5	6.0	215.4	0.006	8.1	2.51
74.2	12.6	0.01	27.5					
505.600	183.9	-306.0	5.4	5.9	226.7	0.008	8.2	2.50
74.2	13.2	0.01	27.6					
505.700	186.2	-306.1	5.4	5.8	245.5	0.005	8.1	2.49
74.2	13.5	0.01	27.9					
505.800	189.1	-306.2	5.3	5.7	254.6	0.011	8.1	2.48
74.2	14.1	0.01	28.1					
505.900	190.9	-306.4	5.2	5.6	269.5	0.013	8.1	2.47
74.2	15.0	0.01	28.0					
506.000	191.8	-306.7	5.2	5.5	283.3	0.011	8.1	2.46
74.2	15.7	0.01	28.9					
506.100	191.0	-307.0	5.2	5.4	306.0	0.008	8.1	2.45
74.2	16.4	0.01	29.5					
506.200	191.9	-307.6	5.2	5.4	324.2	0.006	8.1	2.42
74.2	17.7	0.01	29.5					
506.300	192.3	-308.5	5.2	5.3	338.7	0.002	8.1	2.41
74.2	18.4	0.01	28.7					
506.400	192.9	-309.7	5.2	5.3	348.2	0.002	8.1	2.40
74.2	19.1	0.01	28.9					
506.500	192.3	-311.6	5.2	5.2	354.7	0.003	8.2	2.39
74.2	19.6	0.01	29.2					
506.600	191.7	-314.4	5.2	5.2	363.6	0.004	8.1	2.39
74.2	19.9	0.01	29.2					
506.700	191.2	-318.0	5.2	5.2	364.9	0.004	8.2	2.38
74.2	20.5	0.02	29.4					
506.800	189.8	-321.7	5.3	5.2	366.0	0.001	8.2	2.37
74.2	21.0	0.01	29.3					
506.900	189.0	-325.2	5.3	5.2	362.1	-0.002	8.2	2.37
74.2	21.1	0.02	29.5					
507.000	187.8	-328.2	5.3	5.3	358.0	-0.001	8.2	2.36
74.3	21.6	0.02	30.8					
507.100	187.5	-330.6	5.3	5.4	344.5	-0.009	8.3	2.36
74.2	21.6	0.01	30.6					
507.200	187.2	-332.5	5.3	5.5	325.9	-0.012	8.3	2.36
74.3	21.9	0.01	30.5					
507.300	186.5	-334.0	5.4	5.6	315.1	-0.009	8.3	2.36
74.3	21.9	0.01	31.1					
507.400	186.3	-334.9	5.4	5.7	303.0	-0.006	8.3	2.37
74.3	21.3	0.01	30.9					
507.500	185.2	-334.9	5.4	5.9	286.6	-0.005	8.3	2.38
74.3	20.6	0.01	30.1					
507.600	184.4	-334.2	5.4	6.0	264.7	0.002	8.3	2.39
74.3	20.1	0.01	29.6					
507.700	183.2	-332.1	5.5	6.1	249.6	0.005	8.3	2.40
74.3	19.2	0.01	29.6					
507.800	182.9	-329.1	5.5	6.2	232.9	0.010	8.3	2.40
74.3	19.2	0.01	30.8					
507.900	182.4	-325.5	5.5	6.4	217.6	0.009	8.3	2.41
74.3	18.8	0.01	30.6					

508.000	182.7	-322.1	5.5	6.4	207.6	0.011	8.3	2.41
74.3 18.8	0.01	30.6						
508.100	182.5	-319.0	5.5	6.6	194.0	0.013	8.3	2.41
74.3 18.5	0.01	30.9						
508.200	182.6	-316.3	5.5	6.7	184.9	0.020	8.3	2.42
74.3 18.2	0.01	31.2						
508.300	181.4	-313.9	5.5	6.8	180.4	0.022	8.4	2.43
74.3 17.3	0.01	31.4						
508.400	180.6	-311.6	5.5	6.8	173.5	0.030	8.4	2.43
74.3 17.2	0.01	33.0						
508.500	179.0	-309.6	5.6	6.9	170.6	0.036	8.4	2.44
74.3 16.8	0.01	32.4						
508.600	178.9	-308.0	5.6	7.0	166.8	0.033	8.5	2.44
74.3 16.8	0.01	32.5						
508.700	177.0	-306.4	5.7	7.0	163.9	0.031	8.6	2.44
74.3 16.8	0.01	32.2						
508.800	176.0	-305.3	5.7	7.1	157.2	0.033	8.8	2.44
74.3 17.0	0.01	31.7						
508.900	173.5	-304.3	5.8	7.2	152.9	0.029	8.8	2.44
74.3 16.8	0.01	31.8						
509.000	171.8	-303.6	5.8	7.3	152.9	0.028	9.0	2.44
74.3 16.7	0.01	32.4						
509.100	168.8	-302.9	5.9	7.4	150.8	0.034	9.2	2.45
74.3 16.3	0.01	32.6						
509.200	165.6	-302.1	6.0	7.5	146.6	0.049	9.4	2.45
74.3 16.2	0.01	33.1						
509.300	161.7	-301.5	6.2	7.6	141.5	0.060	8.8	2.44
74.3 16.5	0.01	31.8						
509.400	158.7	-300.7	6.3	7.7	139.7	0.066	8.5	2.43
74.3 17.3	0.01	31.5						
509.500	156.6	-300.0	6.4	7.9	135.8	0.061	8.5	2.41
74.3 18.3	0.01	31.4						
509.600	154.3	-299.4	6.5	8.0	135.0	0.060	8.5	2.39
74.3 20.0	0.01	31.6						
509.700	151.4	-298.9	6.6	8.1	135.0	0.058	8.6	2.37
74.3 21.2	0.01	30.8						
509.800	147.7	-298.4	6.8	8.3	133.2	0.059	8.7	2.35
74.3 22.7	0.01	31.0						
509.900	144.7	-297.8	6.9	8.4	131.1	0.069	8.7	2.35
74.3 22.5	0.02	29.4						
510.000	142.1	-297.3	7.0	8.5	128.5	0.105	8.7	2.35
74.3 22.4	0.02	28.8						
510.100	140.2	-296.8	7.1	8.6	131.3	0.129	8.6	2.35
74.3 22.4	0.02	29.3						
510.200	138.2	-296.4	7.2	8.7	130.9	0.153	8.6	2.35
74.3 22.4	0.02	29.5						
510.300	136.3	-296.3	7.3	8.8	130.6	0.172	8.7	2.34
74.3 23.1	0.02	29.6						
510.400	134.3	-296.3	7.4	8.9	129.8	0.164	8.7	2.34
74.3 23.0	0.02	29.6						
510.500	132.6	-296.5	7.5	8.9	126.5	0.165	8.8	2.33
74.3 23.4	0.02	29.0						
510.600	131.6	-296.7	7.6	9.0	130.0	0.157	8.9	2.32
74.3 24.1	0.02	28.7						

510.700	129.3	-296.8	7.7	9.1	136.7	0.153	8.6	2.31
74.3	24.7	0.02	28.6					
510.800	127.1	-296.9	7.9	9.1	138.0	0.150	8.5	2.32
74.3	24.3	0.02	28.8					
510.900	124.4	-297.0	8.0	9.2	140.4	0.151	8.4	2.33
74.3	23.4	0.02	29.0					
511.000	122.6	-297.2	8.2	9.2	141.0	0.151	8.2	2.36
74.3	21.6	0.02	28.6					
511.100	121.3	-297.7	8.2	9.3	144.5	0.148	8.3	2.39
74.3	19.8	0.02	28.0					
511.200	119.8	-298.2	8.4	9.4	143.6	0.141	8.2	2.41
74.3	18.4	0.02	28.5					
511.300	118.7	-298.8	8.4	9.5	142.5	0.104	8.0	2.44
74.3	16.5	0.02	27.5					
511.400	116.7	-299.4	8.6	9.6	145.6	0.082	8.0	2.45
74.3	16.4	0.02	27.5					
511.500	114.7	-300.2	8.7	9.8	143.4	0.059	7.9	2.46
74.3	15.8	0.02	27.4					
511.600	112.8	-301.0	8.9	10.0	143.4	0.039	7.9	2.47
74.3	15.0	0.02	26.9					
511.700	111.9	-301.9	8.9	10.2	140.8	0.036	7.9	2.48
74.3	14.4	0.01	26.9					
511.800	111.2	-302.8	9.0	10.4	142.3	0.019	7.9	2.50
74.3	13.0	0.01	26.9					
511.900	110.5	-303.8	9.1	10.7	138.0	0.015	7.9	2.51
74.3	12.5	0.01	26.8					
512.000	109.4	-304.7	9.1	11.0	133.9	0.013	7.9	2.52
74.3	11.8	0.01	26.5					
512.100	108.3	-305.5	9.2	11.3	129.3	0.015	7.9	2.53
74.3	10.9	0.01	26.4					
512.200	106.9	-306.2	9.4	11.6	120.3	0.014	7.9	2.54
74.3	10.3	0.01	25.4					
512.300	106.2	-306.8	9.4	11.9	118.5	0.009	7.9	2.55
74.3	9.7	0.01	25.0					
512.400	105.0	-307.5	9.5	12.2	116.8	0.008	7.9	2.56
74.3	9.3	0.01	24.5					
512.500	103.7	-308.0	9.6	12.5	113.3	0.005	7.9	2.57
74.3	8.9	0.01	24.6					
512.600	102.1	-308.5	9.8	12.8	112.9	0.007	7.9	2.56
74.3	9.0	0.01	24.1					
512.700	101.0	-309.1	9.9	13.0	109.4	0.001	7.9	2.57
74.3	8.9	0.01	23.8					
512.800	100.1	-309.6	10.0	13.3	107.3	0.000	7.9	2.56
74.3	9.6	0.01	24.6					
512.900	99.1	-310.2	10.1	13.5	103.6	-0.001	7.9	2.56
74.3	9.4	0.01	24.3					
513.000	98.3	-310.8	10.2	13.8	103.2	-0.002	7.9	2.56
74.3	9.3	0.01	23.7					
513.100	98.2	-311.5	10.2	14.0	103.0	0.001	7.9	2.55
74.3	9.8	0.01	23.5					
513.200	97.0	-312.2	10.3	14.3	101.9	-0.000	7.9	2.56
74.3	9.6	0.01	23.0					
513.300	95.4	-312.9	10.5	14.4	99.1	-0.000	7.9	2.55
74.3	9.7	0.01	22.5					

513.400	93.4	-313.5	10.7	14.6	100.6	-0.003	7.9	2.55
74.3	9.8	0.01	22.5					
513.500	92.3	-314.1	10.8	14.8	101.9	-0.001	7.9	2.55
74.3	9.9	0.01	22.2					
513.600	91.8	-314.6	10.9	14.9	101.9	0.001	7.9	2.56
74.4	9.2	0.01	21.6					
513.700	90.5	-315.1	11.0	15.0	103.6	0.006	7.9	2.57
74.4	8.8	0.01	21.6					
513.800	89.3	-315.5	11.2	15.2	102.7	0.007	7.9	2.57
74.4	8.5	0.01	21.1					
513.900	88.0	-315.9	11.4	15.4	99.3	0.010	7.9	2.57
74.4	8.9	0.01	21.6					
514.000	86.7	-316.2	11.5	15.5	98.8	0.011	7.9	2.57
74.4	9.0	0.01	21.6					
514.100	85.3	-316.4	11.7	15.8	94.1	0.017	7.9	2.57
74.4	8.9	0.01	21.9					
514.200	84.5	-316.7	11.8	16.0	93.0	0.018	7.9	2.56
74.4	9.5	0.01	21.7					
514.300	82.9	-317.2	12.1	16.2	89.1	0.018	7.9	2.56
74.4	9.5	0.01	20.9					
514.400	81.4	-317.7	12.3	16.4	88.9	0.016	7.9	2.55
74.4	9.7	0.01	20.6					
514.500	79.8	-318.2	12.5	16.5	88.2	0.020	7.9	2.55
74.4	9.8	0.01	20.6					
514.600	79.1	-318.7	12.6	16.7	81.3	0.022	7.9	2.55
74.4	9.7	0.01	19.9					
514.700	78.9	-319.3	12.7	16.9	83.1	0.025	7.9	2.55
74.4	10.2	0.02	20.0					
514.800	77.9	-319.8	12.8	17.0	81.3	0.021	7.9	2.54
74.4	10.5	0.02	19.8					
514.900	76.9	-320.5	13.0	17.3	78.1	0.021	7.9	2.54
74.4	10.6	0.02	19.2					
515.000	75.8	-321.4	13.2	17.7	78.1	0.018	7.9	2.53
74.4	10.9	0.02	19.2					
515.100	74.8	-322.5	13.4	18.0	80.2	0.016	7.9	2.52
74.4	11.7	0.02	19.3					
515.200	74.8	-323.8	13.4	18.1	79.8	0.012	7.9	2.53
74.4	11.3	0.02	19.3					
515.300	74.2	-325.1	13.5	18.2	79.8	0.016	7.9	2.53
74.4	11.4	0.02	19.4					
515.400	73.4	-326.2	13.6	18.2	81.5	0.011	7.9	2.53
74.4	11.2	0.02	19.0					
515.500	72.1	-327.2	13.9	18.1	85.6	0.009	7.9	2.52
74.4	11.6	0.02	18.8					
515.600	72.0	-328.0	13.9	18.0	86.1	0.007	7.9	2.53
74.4	10.9	0.02	18.9					
515.700	72.0	-328.8	13.9	17.8	89.3	0.007	7.9	2.55
74.4	9.9	0.02	18.9					
515.800	72.3	-329.4	13.8	17.6	91.9	0.009	7.9	2.57
74.4	8.9	0.02	19.0					
515.900	72.2	-330.0	13.8	17.5	91.5	0.012	7.9	2.57
74.4	8.5	0.02	19.1					
516.000	72.2	-330.2	13.9	17.5	94.5	0.012	7.9	2.58
74.4	8.2	0.02	19.4					

516.100	71.8	-329.9	13.9	17.7	95.8	0.016	7.9	2.58
74.4	8.3	0.02	19.4					
516.200	71.8	-329.2	13.9	17.7	94.1	0.017	7.9	2.58
74.4	8.2	0.01	19.5					
516.300	72.0	-328.2	13.9	17.6	97.1	0.014	7.9	2.58
74.4	8.0	0.01	19.9					
516.400	72.5	-327.2	13.8	17.5	100.6	0.015	7.9	2.57
74.4	8.5	0.01	20.0					
516.500	73.0	-326.2	13.7	17.5	103.0	0.015	7.9	2.58
74.4	8.2	0.01	20.3					
516.600	73.4	-325.1	13.6	17.6	102.3	0.014	7.9	2.58
74.4	8.1	0.01	20.5					
516.700	73.9	-324.1	13.5	17.7	100.8	0.015	7.9	2.57
74.4	9.0	0.02	20.6					
516.800	73.6	-323.2	13.6	17.8	100.8	0.017	7.9	2.55
74.4	9.6	0.01	20.9					
516.900	73.0	-322.2	13.7	18.1	99.9	0.019	7.9	2.56
74.4	9.4	0.02	21.2					
517.000	72.7	-321.4	13.8	18.3	95.2	0.020	7.9	2.56
74.4	9.4	0.02	21.0					
517.100	72.3	-320.9	13.8	18.4	95.8	0.018	7.9	2.55
74.4	10.0	0.02	20.6					
517.200	71.9	-320.7	13.9	18.5	92.8	0.012	7.9	2.54
74.4	10.8	0.02	20.7					
517.300	72.0	-320.6	13.9	18.3	94.1	0.007	7.9	2.52
74.4	11.8	0.02	20.8					
517.400	72.5	-320.5	13.8	18.2	92.8	0.003	7.9	2.51
74.4	12.5	0.02	20.9					
517.500	73.4	-320.4	13.6	18.1	89.8	0.000	7.9	2.51
74.4	12.5	0.02	20.8					
517.600	73.7	-320.5	13.6	17.9	92.8	0.001	7.9	2.52
74.4	12.1	0.02	21.2					
517.700	73.5	-320.8	13.6	17.8	94.7	0.002	7.9	2.53
74.4	11.1	0.02	21.0					
517.800	73.3	-321.2	13.6	17.8	93.4	0.008	7.9	2.54
74.4	10.6	0.02	20.7					
517.900	73.0	-321.6	13.7	17.7	92.6	0.005	7.9	2.55
74.4	10.2	0.02	20.8					
518.000	73.5	-321.8	13.6	17.6	93.7	-0.000	7.9	2.54
74.4	10.3	0.02	20.6					
518.100	74.2	-322.1	13.5	17.4	92.8	-0.003	7.9	2.55
74.4	10.2	0.02	20.6					
518.200	74.9	-322.4	13.3	17.2	92.1	-0.004	7.9	2.56
74.4	9.5	0.02	20.7					
518.300	74.8	-322.4	13.4	17.0	94.3	-0.006	7.9	2.57
74.4	8.7	0.02	20.4					
518.400	74.9	-322.4	13.3	17.0	98.0	-0.005	7.9	2.58
74.4	8.0	0.02	20.3					
518.500	74.9	-322.4	13.4	17.0	101.4	0.003	7.9	2.59
74.4	7.3	0.02	20.7					
518.600	75.8	-322.6	13.2	17.0	100.8	0.008	7.9	2.59
74.4	7.3	0.02	20.7					
518.700	75.3	-322.6	13.3	17.0	102.3	0.009	7.9	2.59
74.4	7.2	0.02	21.2					

518.800	75.4	-322.4	13.3	17.1	101.9	0.011	7.9	2.61
74.4	6.1	0.02 21.4						
518.900	75.3	-322.1	13.3	17.0	104.2	0.016	7.9	2.62
74.4	5.4	0.02 21.9						
519.000	75.8	-321.7	13.2	16.8	109.7	0.019	7.9	2.63
74.4	5.0	0.02 22.1						
519.100	75.4	-321.2	13.3	16.6	109.4	0.017	7.9	2.63
74.5	4.7	0.02 22.1						
519.200	74.5	-320.5	13.4	16.4	111.6	0.018	7.9	2.64
74.4	4.5	0.02 22.3						
519.300	74.3	-319.8	13.5	16.4	110.7	0.026	7.9	2.64
74.5	4.4	0.02 22.3						
519.400	74.7	-319.2	13.4	16.5	109.4	0.031	7.9	2.65
74.5	3.9	0.02 22.6						
519.500	75.2	-318.6	13.3	16.6	109.2	0.038	7.9	2.66
74.4	3.4	0.02 22.5						
519.600	75.5	-318.0	13.2	16.6	112.7	0.042	7.9	2.66
74.5	3.4	0.02 22.7						
519.700	75.5	-317.3	13.2	16.6	114.2	0.042	7.9	2.65
74.5	3.6	0.02 23.2						
519.800	75.6	-316.6	13.2	16.7	113.8	0.037	7.9	2.64
74.5	4.4	0.02 23.2						
519.900	76.4	-316.2	13.1	16.6	111.0	0.034	7.9	2.63
74.5	4.8	0.02 22.8						
520.000	77.0	-315.8	13.0	16.5	111.0	0.036	7.9	2.63
74.5	5.1	0.02 23.0						
520.100	77.9	-315.5	12.8	16.2	113.1	0.037	7.9	2.63
74.5	4.8	0.02 23.3						
520.200	77.0	-315.5	13.0	15.9	113.8	0.034	7.9	2.63
74.5	4.7	0.02 22.9						
520.300	76.1	-315.4	13.1	15.9	114.6	0.027	7.9	2.63
74.5	5.2	0.02 23.1						
520.400	75.2	-315.3	13.3	15.9	113.5	0.024	7.9	2.62
74.5	5.6	0.02 22.8						
520.500	75.5	-315.2	13.2	15.9	109.7	0.024	7.9	2.61
74.5	6.1	0.02 22.6						
520.600	77.0	-315.2	13.0	15.9	109.7	0.020	7.9	2.60
74.5	6.7	0.02 22.7						
520.700	78.1	-315.2	12.8	15.9	104.5	0.018	7.9	2.59
74.5	7.6	0.02 23.1						
520.800	78.0	-315.1	12.8	15.8	110.1	0.014	7.9	2.59
74.5	7.7	0.02 23.0						
520.900	78.0	-315.1	12.8	15.7	112.7	0.013	7.9	2.58
74.5	8.1	0.02 23.0						
521.000	77.7	-314.9	12.9	15.6	110.7	0.011	7.9	2.57
74.5	8.5	0.02 23.4						
521.100	77.8	-314.7	12.9	15.5	105.8	0.010	7.9	2.57
74.5	8.6	0.02 23.5						
521.200	77.7	-314.5	12.9	15.3	106.8	0.012	7.9	2.57
74.5	8.8	0.02 23.3						
521.300	78.0	-314.3	12.8	15.1	110.3	0.011	7.9	2.57
74.5	8.5	0.02 23.6						
521.400	78.4	-314.1	12.8	15.0	108.1	0.010	7.9	2.57
74.5	8.7	0.02 24.2						

521.500	78.4	-314.0	12.8	14.8	106.4	0.007	7.9	2.56
74.5	9.2	0.02 24.2						
521.600	78.6	-314.0	12.7	14.7	104.7	0.008	7.9	2.56
74.5	9.1	0.02 24.1						
521.700	79.7	-313.9	12.6	14.6	103.4	0.011	7.9	2.56
74.5	9.2	0.02 24.0						
521.800	80.9	-313.9	12.4	14.4	105.5	0.008	7.9	2.56
74.5	9.4	0.02 23.9						
521.900	82.6	-313.8	12.1	14.4	105.1	0.006	7.9	2.57
74.5	9.0	0.02 24.0						
522.000	83.8	-313.8	11.9	14.3	106.0	0.011	7.9	2.57
74.5	8.8	0.02 24.4						
522.100	84.7	-313.7	11.8	14.2	104.9	0.012	7.9	2.57
74.5	8.8	0.02 24.4						
522.200	85.6	-313.7	11.7	14.0	108.6	0.009	7.9	2.57
74.5	8.6	0.02 24.5						
522.300	86.3	-313.7	11.6	13.8	104.2	0.009	7.9	2.57
74.5	8.7	0.02 24.6						
522.400	87.3	-313.6	11.5	13.8	102.7	0.008	7.9	2.58
74.5	8.4	0.02 24.7						
522.500	88.1	-313.5	11.4	13.6	101.0	0.011	7.9	2.58
74.5	8.1	0.02 24.8						
522.600	88.9	-313.5	11.3	13.4	104.7	0.014	7.9	2.58
74.5	7.9	0.01 24.5						
522.700	89.6	-313.4	11.2	13.2	103.8	0.019	7.9	2.59
74.5	7.4	0.01 24.2						
522.800	91.3	-313.4	11.0	13.0	101.4	0.021	7.9	2.60
74.5	7.0	0.02 24.0						
522.900	93.1	-313.3	10.8	12.9	104.9	0.025	7.9	2.60
74.5	7.0	0.02 24.0						
523.000	94.6	-313.3	10.6	12.7	108.4	0.021	7.9	2.60
74.5	6.6	0.02 23.9						
523.100	94.2	-313.3	10.6	12.6	109.7	0.026	7.9	2.60
74.5	7.0	0.02 24.1						
523.200	95.3	-313.3	10.5	12.4	112.7	0.026	7.9	2.59
74.5	7.2	0.02 25.2						
523.300	96.4	-313.3	10.4	12.2	111.8	0.021	7.9	2.59
74.5	7.3	0.02 25.6						
523.400	98.3	-313.3	10.2	12.0	115.7	0.022	7.9	2.58
74.5	8.0	0.02 25.5						
523.500	99.0	-313.3	10.1	11.8	117.0	0.021	7.9	2.57
74.5	8.4	0.02 25.5						
523.600	99.1	-313.3	10.1	11.6	121.8	0.021	7.9	2.57
74.5	8.6	0.02 25.7						
523.700	99.1	-313.3	10.1	11.4	122.6	0.024	7.9	2.57
74.5	8.4	0.02 25.5						
523.800	98.7	-313.1	10.1	11.3	123.1	0.027	7.9	2.58
74.5	8.2	0.02 25.9						
523.900	99.4	-312.9	10.1	11.2	124.6	0.027	7.9	2.58
74.5	7.9	0.02 25.8						
524.000	100.1	-312.5	10.0	11.1	129.8	0.030	7.9	2.58
74.5	7.9	0.02 26.2						
524.100	100.3	-312.1	10.0	11.0	129.3	0.028	7.9	2.58
74.5	8.0	0.02 26.8						

524.200	100.3	-311.6	10.0	11.0	129.8	0.022	7.9	2.58
74.6	8.2	0.02	27.7					
524.300	99.5	-311.0	10.0	10.9	126.1	0.021	7.9	2.58
74.5	7.8	0.02	27.9					
524.400	99.0	-310.4	10.1	10.8	124.4	0.018	7.9	2.60
74.6	7.1	0.02	27.5					
524.500	98.3	-309.7	10.2	10.8	117.0	0.019	7.9	2.60
74.6	6.5	0.02	27.2					
524.600	97.7	-309.1	10.2	10.9	113.1	0.021	7.9	2.63
74.6	5.0	0.02	27.1					
524.700	97.6	-308.5	10.2	11.0	106.6	0.024	7.9	2.66
74.6	3.2	0.02	25.9					
524.800	97.1	-308.2	10.3	11.2	104.5	0.033	7.9	2.67
74.6	2.6	0.02	25.3					
524.900	97.2	-308.1	10.3	11.5	99.7	0.037	7.9	2.67
74.6	2.5	0.02	25.0					
525.000	97.4	-308.3	10.3	11.8	96.5	0.032	7.9	2.67
74.6	2.7	0.01	24.6					
525.100	97.1	-308.9	10.3	12.2	89.5	0.025	7.9	2.67
74.6	2.6	0.01	24.1					
525.200	97.2	-309.7	10.3	12.5	86.7	0.022	7.9	2.66
74.6	3.2	0.01	23.5					
525.300	97.0	-310.7	10.3	12.8	83.3	0.015	7.9	2.65
74.6	3.8	0.01	23.0					
525.400	97.1	-311.8	10.3	13.0	81.8	0.014	7.9	2.64
74.6	4.1	0.01	22.8					
525.500	96.8	-312.8	10.3	13.2	78.7	0.021	7.9	2.63
74.6	5.0	0.01	22.3					
525.600	96.8	-313.8	10.3	13.5	75.7	0.024	7.9	2.62
74.6	5.4	0.01	21.6					
525.700	97.2	-314.7	10.3	13.8	76.1	0.023	7.9	2.61
74.6	6.0	0.02	20.8					
525.800	97.1	-315.6	10.3	14.0	78.7	0.022	7.9	2.60
74.6	7.1	0.02	20.8					
525.900	96.9	-316.4	10.3	14.0	78.7	0.020	7.9	2.58
74.6	7.8	0.02	21.1					
526.000	96.5	-317.1	10.4	14.0	82.6	0.018	7.9	2.57
74.6	9.0	0.02	20.7					
526.100	96.3	-317.8	10.4	14.0	84.8	0.010	7.9	2.54
74.6	10.5	0.02	20.7					
526.200	96.3	-318.5	10.4	13.9	89.5	0.006	7.9	2.52
74.6	12.0	0.02	21.1					
526.300	96.6	-319.0	10.4	13.8	90.2	0.010	7.9	2.50
74.6	13.0	0.02	21.1					
526.400	96.4	-319.6	10.4	13.7	94.1	0.009	7.9	2.51
74.6	12.7	0.02	21.3					
526.500	95.7	-320.1	10.5	13.6	95.2	0.009	7.9	2.50
74.6	12.7	0.02	21.9					
526.600	94.8	-320.8	10.6	13.6	98.0	0.007	7.9	2.51
74.6	12.7	0.02	21.9					
526.700	93.8	-321.4	10.7	13.8	99.7	0.011	7.9	2.50
74.6	12.8	0.02	22.2					
526.800	93.7	-322.2	10.7	13.9	103.4	0.003	7.9	2.51
74.6	12.5	0.02	22.3					

526.900	93.1	-322.8	10.7	13.9	103.2	0.005	7.9	2.50
74.6	12.9	0.02	22.8					
527.000	92.4	-323.1	10.8	13.9	101.9	0.006	7.9	2.51
74.6	12.6	0.02	22.7					
527.100	90.0	-323.0	11.1	13.9	104.0	0.008	7.9	2.51
74.6	12.6	0.02	23.5					
527.200	89.4	-322.7	11.2	14.0	105.1	0.008	7.9	2.52
74.6	11.9	0.02	24.4					
527.300	88.7	-322.0	11.3	14.0	104.7	0.007	7.9	2.52
74.6	11.7	0.02	24.2					
527.400	88.5	-321.2	11.3	14.0	106.4	0.007	7.9	2.51
74.6	12.1	0.02	24.3					
527.500	86.8	-320.3	11.5	14.0	106.8	0.007	7.9	2.52
74.6	11.9	0.02	25.6					
527.600	85.1	-319.4	11.7	14.0	110.5	0.006	7.9	2.52
74.6	11.5	0.01	25.7					
527.700	85.0	-318.3	11.8	14.1	111.4	0.012	7.9	2.52
74.6	11.5	0.02	25.7					
527.800	85.2	-317.3	11.7	14.1	112.5	0.011	7.9	2.53
74.6	11.4	0.01	26.0					
527.900	85.5	-316.1	11.7	14.1	111.4	0.013	7.9	2.52
74.6	11.5	0.01	26.6					
528.000	84.7	-315.2	11.8	14.0	111.0	0.011	7.9	2.53
74.6	11.1	0.01	26.4					
528.100	84.7	-314.5	11.8	14.0	111.2	0.013	7.9	2.53
74.6	11.5	0.01	26.8					
528.200	85.2	-314.0	11.7	13.9	109.9	0.011	7.9	2.53
74.6	11.0	0.01	26.9					
528.300	85.5	-313.6	11.7	13.8	111.6	0.011	7.9	2.53
74.7	11.2	0.01	27.2					
528.400	85.0	-313.3	11.8	13.8	113.8	0.011	7.9	2.53
74.6	10.9	0.01	26.9					
528.500	84.9	-313.2	11.8	13.7	116.1	0.013	7.9	2.53
74.6	11.1	0.01	27.1					
528.600	85.7	-312.9	11.7	13.6	116.6	0.013	7.9	2.54
74.6	10.5	0.01	26.7					
528.700	87.0	-312.8	11.5	13.5	113.8	0.016	7.9	2.54
74.7	10.7	0.01	26.2					
528.800	87.7	-312.7	11.4	13.4	115.5	0.020	7.9	2.54
74.6	10.5	0.01	26.6					
528.900	87.7	-312.7	11.4	13.3	115.9	0.020	7.9	2.54
74.6	10.7	0.01	26.8					
529.000	87.1	-312.8	11.5	13.2	119.0	0.016	7.9	2.55
74.6	10.0	0.01	26.7					
529.100	87.2	-312.8	11.5	13.0	116.6	0.020	7.9	2.55
74.7	10.0	0.01	26.5					
529.200	88.1	-312.8	11.4	12.9	119.0	0.020	7.9	2.55
74.6	10.1	0.01	26.4					
529.300	89.3	-312.7	11.2	12.8	119.8	0.018	7.9	2.55
74.7	9.9	0.01	25.8					
529.400	90.6	-312.5	11.0	12.6	121.6	0.018	7.9	2.55
74.7	9.9	0.01	25.8					
529.500	91.5	-312.4	10.9	12.5	124.6	0.019	7.9	2.55
74.7	10.2	0.01	25.6					

529.600	92.7	-312.2	10.8	12.4	128.3	0.017	7.9	2.55
74.7	9.8	0.01	25.5					
529.700	93.2	-312.0	10.7	12.4	129.6	0.014	7.9	2.55
74.7	9.8	0.01	25.5					
529.800	94.2	-311.9	10.6	12.2	128.9	0.013	7.9	2.55
74.7	9.9	0.01	25.5					
529.900	94.2	-311.7	10.6	12.1	127.6	0.011	7.9	2.55
74.7	10.1	0.01	25.8					
530.000	94.6	-311.5	10.6	12.0	125.7	0.007	7.9	2.55
74.7	10.1	0.01	26.1					
530.100	94.6	-311.3	10.6	11.9	122.2	0.004	7.9	2.54
74.7	10.4	0.01	26.3					
530.200	95.3	-311.0	10.5	11.9	125.2	0.007	7.9	2.53
74.7	11.0	0.01	26.7					
530.300	95.7	-310.9	10.5	11.8	124.4	0.007	7.9	2.54
74.7	10.8	0.01	26.6					
530.400	96.3	-310.8	10.4	11.7	123.1	0.004	7.9	2.54
74.7	10.7	0.02	26.5					
530.500	96.6	-310.8	10.4	11.7	121.8	0.004	7.9	2.52
74.7	11.6	0.02	26.5					
530.600	97.6	-310.7	10.3	11.6	120.9	0.002	7.9	2.52
74.7	11.6	0.02	27.0					
530.700	98.0	-310.7	10.2	11.5	119.4	0.007	7.9	2.53
74.7	11.4	0.02	27.1					
530.800	98.8	-310.6	10.1	11.5	116.8	0.008	7.9	2.53
74.7	11.5	0.02	28.0					
530.900	99.5	-310.5	10.0	11.3	114.8	0.009	7.9	2.53
74.7	11.1	0.02	27.6					
531.000	100.3	-310.5	10.0	11.3	109.9	0.012	7.9	2.53
74.7	11.2	0.02	27.7					
531.100	101.0	-310.4	9.9	11.2	105.8	0.011	7.9	2.53
74.7	11.5	0.02	27.8					
531.200	101.7	-310.5	9.8	11.1	107.5	0.012	7.9	2.52
74.7	11.7	0.02	28.4					
531.300	101.9	-310.4	9.8	11.0	107.9	0.009	7.9	2.52
74.7	11.8	0.02	28.4					
531.400	102.6	-310.4	9.7	10.9	111.2	0.007	7.9	2.52
74.7	12.0	0.02	29.4					
531.500	103.6	-310.2	9.7	10.8	113.3	0.003	7.9	2.52
74.7	11.7	0.02	29.1					
531.600	105.0	-310.1	9.5	10.7	119.2	0.004	7.9	2.52
74.7	11.6	0.02	29.0					
531.700	105.7	-309.9	9.5	10.6	118.3	0.000	7.9	2.52
74.7	11.6	0.02	28.1					
531.800	105.4	-309.8	9.5	10.5	121.1	-0.000	7.9	2.52
74.7	11.9	0.02	28.3					
531.900	105.4	-309.8	9.5	10.5	119.4	0.001	7.9	2.52
74.7	11.9	0.02	28.5					
532.000	106.1	-309.6	9.4	10.4	119.4	-0.004	7.9	2.53
74.7	11.4	0.02	28.3					
532.100	107.7	-309.5	9.3	10.2	121.6	-0.003	7.9	2.53
74.7	11.3	0.02	28.1					
532.200	108.7	-309.2	9.2	10.1	121.1	-0.003	7.9	2.52
74.7	11.5	0.02	28.1					

532.300	109.2	-309.0	9.2	10.0	122.8	-0.003	7.9	2.53
74.7	11.2	0.02	28.3					
532.400	109.5	-308.8	9.1	9.9	122.4	-0.003	7.9	2.53
74.7	11.5	0.02	28.4					
532.500	110.8	-308.6	9.0	9.8	125.4	0.000	7.9	2.54
74.7	10.4	0.01	28.6					
532.600	111.5	-308.5	9.0	9.7	121.6	0.010	7.9	2.54
74.7	10.3	0.01	28.5					
532.700	112.0	-308.3	8.9	9.7	120.5	0.013	7.9	2.55
74.7	9.8	0.01	29.2					
532.800	112.7	-308.1	8.9	9.6	120.9	0.016	7.9	2.56
74.7	9.4	0.01	29.7					
532.900	114.5	-308.0	8.7	9.5	119.6	0.018	7.9	2.56
74.7	9.1	0.01	28.8					
533.000	116.1	-307.8	8.6	9.4	122.2	0.020	7.9	2.57
74.7	8.8	0.01	29.2					
533.100	116.7	-307.7	8.6	9.4	119.0	0.024	7.9	2.57
74.7	8.9	0.01	29.6					
533.200	116.9	-307.6	8.6	9.3	117.7	0.023	7.9	2.57
74.7	8.6	0.01	29.5					
533.300	118.0	-307.5	8.5	9.2	114.4	0.026	7.9	2.57
74.7	8.8	0.01	29.1					
533.400	118.8	-307.5	8.4	9.1	116.6	0.024	7.9	2.57
74.7	8.5	0.01	29.3					
533.500	120.5	-307.5	8.3	9.0	120.0	0.026	7.9	2.57
74.7	8.5	0.01	29.1					
533.600	121.5	-307.5	8.2	9.0	118.1	0.025	7.9	2.58
74.7	8.1	0.01	29.9					
533.700	123.1	-307.4	8.1	8.9	115.9	0.029	7.9	2.58
74.7	7.9	0.01	29.9					
533.800	123.9	-307.4	8.1	8.7	115.1	0.028	7.9	2.58
74.7	8.1	0.01	29.9					
533.900	124.6	-307.4	8.0	8.6	114.4	0.019	7.9	2.58
74.7	8.1	0.01	29.8					
534.000	125.5	-307.4	8.0	8.5	112.9	0.019	7.9	2.57
74.7	8.6	0.01	30.1					
534.100	126.6	-307.4	7.9	8.4	118.7	0.019	7.9	2.57
74.7	8.6	0.02	30.2					
534.200	128.5	-307.3	7.8	8.3	119.4	0.019	7.9	2.56
74.7	9.0	0.02	29.0					
534.300	130.4	-307.3	7.7	8.2	118.1	0.020	7.9	2.56
74.7	9.3	0.01	28.8					
534.400	132.5	-307.3	7.5	8.1	119.2	0.018	7.9	2.55
74.7	9.9	0.02	29.1					
534.500	133.3	-307.3	7.5	8.1	116.4	0.018	7.9	2.54
74.7	10.4	0.01	28.9					
534.600	133.8	-307.2	7.5	8.0	118.5	0.015	7.9	2.55
74.7	10.1	0.01	29.4					
534.700	134.3	-307.1	7.4	8.0	117.9	0.019	7.9	2.56
74.7	9.6	0.02	29.9					
534.800	136.0	-307.0	7.4	7.9	120.5	0.022	7.9	2.56
74.7	9.3	0.02	30.5					
534.900	137.5	-306.9	7.3	7.9	122.2	0.024	7.9	2.56
74.7	9.5	0.01	30.4					

535.000	138.6	-306.8	7.2	7.8	116.1	0.021	7.9	2.56
74.7	9.6	0.01 31.3						
535.100	139.3	-306.7	7.2	7.7	115.5	0.020	7.9	2.55
74.8	10.2	0.01 30.7						
535.200	139.7	-306.6	7.2	7.7	116.6	0.022	7.9	2.54
74.7	10.5	0.01 31.9						
535.300	141.3	-306.5	7.1	7.6	121.3	0.022	7.9	2.55
74.8	9.7	0.01 31.5						
535.400	141.9	-306.4	7.0	7.6	124.1	0.025	7.9	2.55
74.7	9.8	0.01 32.0						
535.500	144.0	-306.3	6.9	7.5	128.0	0.024	7.9	2.54
74.8	10.4	0.01 32.2						
535.600	144.5	-306.2	6.9	7.5	126.7	0.020	7.9	2.54
74.8	10.3	0.01 33.8						
535.700	146.0	-306.2	6.8	7.4	125.9	0.022	7.9	2.55
74.8	10.1	0.01 33.8						
535.800	145.8	-306.1	6.9	7.4	126.1	0.025	7.9	2.55
74.8	10.0	0.01 33.5						
535.900	146.5	-306.2	6.8	7.4	123.9	0.027	7.9	2.56
74.8	9.6	0.01 33.1						
536.000	146.4	-306.1	6.8	7.4	125.4	0.025	7.9	2.55
74.8	9.8	0.02 33.0						
536.100	147.3	-306.2	6.8	7.3	125.7	0.019	8.0	2.53
74.8	11.0	0.01 33.0						
536.200	147.6	-306.2	6.8	7.3	128.9	0.014	7.9	2.51
74.8	12.5	0.01 33.9						
536.300	147.6	-306.3	6.8	7.3	125.7	0.013	7.9	2.49
74.8	13.7	0.01 34.2						
536.400	147.5	-306.4	6.8	7.3	127.8	0.009	7.9	2.47
74.8	15.1	0.01 34.0						
536.500	146.9	-306.6	6.8	7.3	127.6	0.009	7.9	2.44
74.8	16.5	0.01 33.0						
536.600	146.6	-306.7	6.8	7.3	128.9	0.010	7.9	2.43
74.8	17.5	0.01 33.8						
536.700	146.2	-306.9	6.8	7.3	129.1	0.011	7.9	2.40
74.8	19.1	0.01 32.6						
536.800	146.2	-307.1	6.8	7.4	125.7	0.013	7.9	2.36
74.8	21.6	0.01 32.5						
536.900	146.9	-307.5	6.8	7.4	123.9	0.013	8.0	2.33
74.8	23.5	0.01 32.0						
537.000	147.2	-307.9	6.8	7.5	122.2	0.009	8.0	2.31
74.8	24.7	0.01 31.7						
537.100	147.2	-308.6	6.8	7.6	126.1	0.003	7.9	2.29
74.8	25.9	0.02 30.2						
537.200	146.4	-309.5	6.8	7.6	129.1	-0.004	7.9	2.28
74.8	26.5	0.01 30.9						
537.300	145.6	-310.8	6.9	7.7	126.7	-0.007	8.0	2.28
74.8	26.7	0.02 31.4						
537.400	144.8	-312.5	6.9	7.8	128.9	-0.009	7.9	2.28
74.8	26.6	0.02 31.6						
537.500	143.6	-314.4	7.0	7.9	125.9	-0.004	8.0	2.28
74.8	26.5	0.02 31.3						
537.600	142.8	-316.1	7.0	7.9	122.0	-0.007	8.0	2.30
74.8	25.6	0.02 30.4						

537.700	142.3	-317.7	7.0	8.0	122.0	-0.003	8.0	2.31
74.8	24.7	0.02 29.3						
537.800	141.6	-318.7	7.1	8.0	123.9	-0.004	7.9	2.35
74.8	22.6	0.02 28.3						
537.900	140.3	-319.6	7.1	8.0	120.9	-0.001	8.0	2.37
74.8	20.8	0.02 27.8						
538.000	138.9	-320.3	7.2	8.1	123.5	-0.007	8.0	2.40
74.8	19.2	0.02 27.5						
538.100	137.8	-320.8	7.3	8.1	122.2	-0.005	8.0	2.42
74.8	17.9	0.02 26.8						
538.200	137.9	-321.2	7.3	8.1	124.4	-0.001	8.0	2.45
74.8	16.3	0.02 26.8						
538.300	137.4	-321.3	7.3	8.1	125.9	0.002	7.9	2.48
74.8	14.0	0.02 26.8						
538.400	137.3	-320.9	7.3	8.2	130.6	0.010	7.9	2.51
74.8	12.7	0.02 26.7						
538.500	136.4	-320.0	7.3	8.2	130.6	0.015	7.9	2.53
74.8	11.2	0.02 26.4						
538.600	136.0	-318.9	7.4	8.3	130.0	0.017	7.9	2.54
74.8	10.3	0.02 26.5						
538.700	135.3	-317.8	7.4	8.4	130.9	0.021	7.9	2.55
74.8	9.9	0.01 25.7						
538.800	134.6	-316.7	7.4	8.5	137.8	0.020	7.9	2.55
74.8	10.0	0.01 25.4						
538.900	133.8	-316.1	7.5	8.5	137.3	0.021	7.9	2.54
74.8	10.4	0.01 25.2						
539.000	133.2	-315.6	7.5	8.6	141.2	0.022	7.9	2.55
74.8	9.9	0.01 25.4						
539.100	133.3	-315.2	7.5	8.6	143.8	0.026	7.9	2.55
74.8	10.2	0.01 25.5						
539.200	132.6	-314.7	7.5	8.7	142.1	0.021	7.9	2.55
74.8	9.9	0.01 25.7						
539.300	131.4	-314.1	7.6	8.7	144.7	0.025	7.9	2.53
74.8	10.9	0.01 25.8						
539.400	129.7	-313.5	7.7	8.7	147.7	0.022	7.9	2.53
74.8	11.1	0.01 26.1						
539.500	129.3	-312.9	7.7	8.6	148.8	0.022	7.9	2.53
74.8	11.4	0.01 26.2						
539.600	129.5	-312.4	7.7	8.6	155.3	0.022	7.9	2.52
74.8	11.6	0.01 26.2						
539.700	129.5	-311.7	7.7	8.6	156.6	0.018	7.9	2.52
74.8	11.8	0.01 26.5						
539.800	128.7	-311.2	7.8	8.5	156.4	0.019	7.9	2.52
74.8	12.1	0.01 26.7						
539.900	128.7	-310.7	7.8	8.5	154.6	0.018	7.9	2.53
74.8	11.3	0.01 26.7						
540.000	129.1	-310.1	7.7	8.4	157.2	0.019	7.9	2.53
74.8	11.2	0.01 26.7						
540.100	129.3	-309.6	7.7	8.3	156.4	0.019	7.9	2.54
74.8	10.5	0.01 26.8						
540.200	129.5	-309.0	7.7	8.3	154.2	0.025	7.9	2.55
74.8	10.0	0.02 26.9						
540.300	130.1	-308.5	7.7	8.2	152.9	0.028	7.9	2.56
74.8	9.4	0.02 26.7						

540.400	131.4	-308.1	7.6	8.1	153.8	0.026	7.9	2.57
74.8	8.9	0.02 27.0						
540.500	132.0	-307.6	7.6	8.1	153.6	0.027	7.9	2.57
74.8	8.6	0.02 27.0						
540.600	131.5	-307.3	7.6	8.0	155.1	0.025	7.9	2.58
74.8	8.3	0.02 26.9						
540.700	132.0	-307.1	7.6	8.0	159.8	0.024	7.9	2.57
74.8	8.6	0.02 27.0						
540.800	132.3	-306.8	7.6	7.9	160.3	0.019	7.9	2.57
74.8	8.5	0.02 27.0						
540.900	132.9	-306.6	7.5	7.9	157.2	0.018	7.9	2.57
74.8	8.4	0.02 27.5						
541.000	133.7	-306.4	7.5	7.8	156.8	0.019	7.9	2.59
74.8	7.6	0.02 27.7						
541.100	133.8	-306.3	7.5	7.8	152.0	0.024	7.9	2.60
74.8	7.1	0.02 28.0						
541.200	134.3	-306.1	7.4	7.7	147.7	0.028	7.9	2.60
74.8	6.6	0.02 27.7						
541.300	134.2	-306.0	7.5	7.7	148.2	0.030	7.9	2.60
74.9	6.9	0.02 27.2						
541.400	135.6	-305.9	7.4	7.6	146.4	0.029	7.9	2.60
74.8	7.1	0.01 27.6						
541.500	137.4	-305.8	7.3	7.6	146.9	0.027	7.9	2.60
74.8	6.9	0.01 27.4						
541.600	139.5	-305.7	7.2	7.5	144.7	0.025	7.9	2.59
74.8	7.4	0.01 27.3						
541.700	140.8	-305.7	7.1	7.5	143.4	0.026	7.9	2.58
74.9	7.8	0.01 27.1						
541.800	141.8	-305.6	7.1	7.4	143.0	0.026	7.9	2.58
74.8	8.2	0.01 27.6						
541.900	142.1	-305.6	7.0	7.3	143.0	0.023	7.9	2.57
74.9	8.7	0.01 27.3						
542.000	143.4	-305.6	7.0	7.2	143.4	0.022	8.0	2.56
74.8	9.2	0.01 27.2						
542.100	144.9	-305.7	6.9	7.2	144.3	0.028	7.9	2.56
74.9	9.4	0.01 27.4						
542.200	145.8	-305.7	6.9	7.2	142.1	0.030	8.0	2.56
74.9	9.3	0.01 27.4						
542.300	147.6	-305.9	6.8	7.1	140.8	0.030	7.9	2.56
74.9	9.4	0.01 27.6						
542.400	148.7	-306.0	6.7	7.1	140.2	0.025	7.9	2.55
74.9	10.2	0.01 27.3						
542.500	150.6	-306.1	6.6	7.1	142.7	0.020	8.0	2.53
74.9	11.1	0.01 27.7						
542.600	151.5	-306.1	6.6	7.0	143.8	0.016	7.9	2.52
74.9	12.1	0.01 27.4						
542.700	151.7	-306.2	6.6	7.0	146.4	0.019	8.0	2.51
74.9	12.3	0.01 27.4						
542.800	152.4	-306.3	6.6	6.9	143.8	0.020	7.9	2.51
74.9	12.6	0.01 28.0						
542.900	152.7	-306.2	6.5	6.9	144.9	0.017	8.0	2.51
74.9	12.6	0.01 27.7						
543.000	154.5	-306.2	6.5	6.8	145.3	0.017	8.0	2.51
74.9	12.6	0.01 28.2						

543.100	155.9	-306.1	6.4	6.8	145.3	0.020	7.9	2.50
74.9	13.0	0.01 28.1						
543.200	157.2	-306.0	6.4	6.8	146.6	0.019	8.0	2.50
74.9	13.1	0.01 28.4						
543.300	158.3	-305.9	6.3	6.8	144.0	0.020	8.0	2.50
74.9	13.0	0.01 28.0						
543.400	159.6	-305.9	6.3	6.8	139.3	0.015	8.0	2.50
74.9	13.0	0.01 28.7						
543.500	160.5	-305.8	6.2	6.7	138.9	0.012	7.9	2.49
74.9	13.5	0.01 29.5						
543.600	161.1	-305.9	6.2	6.7	134.5	0.009	7.9	2.49
74.9	13.5	0.02 29.3						
543.700	161.9	-305.9	6.2	6.7	134.1	0.010	7.9	2.49
74.9	13.8	0.02 29.3						
543.800	163.0	-306.0	6.1	6.7	134.5	0.011	7.9	2.49
74.9	13.6	0.02 29.2						
543.900	164.2	-306.0	6.1	6.6	136.9	0.013	7.9	2.49
74.9	13.5	0.02 29.1						
544.000	165.0	-306.0	6.1	6.7	138.9	0.011	7.9	2.49
74.9	13.7	0.01 29.5						
544.100	166.2	-306.1	6.0	6.7	139.1	0.008	7.9	2.50
74.9	12.9	0.01 29.8						
544.200	167.2	-306.1	6.0	6.7	135.2	0.014	7.9	2.50
74.9	12.8	0.02 30.6						
544.300	167.6	-306.2	6.0	6.7	137.3	0.014	7.9	2.50
74.9	12.8	0.02 30.9						
544.400	167.7	-306.3	6.0	6.7	136.3	0.008	7.9	2.50
74.9	13.1	0.01 31.0						
544.500	168.1	-306.3	5.9	6.7	131.9	0.010	7.9	2.50
74.9	13.3	0.01 31.6						
544.600	168.0	-306.3	6.0	6.7	133.0	0.011	7.9	2.50
74.9	13.0	0.01 31.7						
544.700	168.6	-306.3	5.9	6.7	133.0	0.012	7.9	2.50
74.9	13.0	0.01 31.8						
544.800	168.3	-306.2	5.9	6.7	134.7	0.014	7.9	2.50
74.9	13.2	0.01 31.5						
544.900	167.9	-306.1	6.0	6.8	136.0	0.018	7.9	2.49
74.9	13.6	0.02 31.0						
545.000	166.9	-306.1	6.0	6.8	136.5	0.014	8.0	2.49
74.9	13.4	0.02 30.7						
545.100	166.6	-306.1	6.0	6.8	139.5	0.012	7.9	2.49
74.9	13.4	0.02 31.0						
545.200	166.2	-306.1	6.0	6.8	140.4	0.011	7.9	2.49
74.9	13.4	0.02 31.2						
545.300	165.6	-306.1	6.0	6.9	136.3	0.014	7.9	2.50
74.9	13.1	0.02 31.1						
545.400	164.8	-306.1	6.1	6.9	139.3	0.016	7.9	2.51
74.9	12.7	0.02 31.2						
545.500	164.4	-306.1	6.1	7.0	134.7	0.013	7.9	2.51
74.9	12.4	0.02 30.3						
545.600	163.2	-306.1	6.1	7.0	133.4	0.008	7.9	2.51
74.9	12.5	0.02 29.8						
545.700	160.2	-306.2	6.2	7.0	140.4	0.010	7.9	2.50
74.9	12.8	0.02 29.2						

545.800	158.3	-306.2	6.3	7.1	141.7	0.009	7.9	2.51
74.9	12.4	0.02	28.6					
545.900	156.5	-306.3	6.4	7.2	145.1	0.007	7.9	2.52
74.9	11.9	0.02	28.4					
546.000	156.0	-306.5	6.4	7.2	146.9	0.009	7.9	2.52
74.9	11.8	0.02	27.4					
546.100	153.8	-306.7	6.5	7.3	147.5	0.010	7.9	2.52
74.9	11.6	0.02	27.0					
546.200	152.0	-306.9	6.6	7.4	141.9	0.009	7.9	2.52
74.9	11.6	0.02	26.6					
546.300	150.1	-307.1	6.7	7.6	138.0	0.012	7.9	2.53
74.9	11.0	0.02	26.9					
546.400	148.3	-307.4	6.7	7.7	139.9	0.015	7.9	2.54
74.9	10.4	0.01	26.2					
546.500	146.2	-307.9	6.8	8.0	134.5	0.014	7.9	2.55
74.9	9.7	0.01	25.3					
546.600	143.8	-308.4	7.0	8.2	132.6	0.013	7.9	2.55
74.9	9.7	0.01	24.8					
546.700	142.1	-309.1	7.0	8.4	127.4	0.009	7.9	2.56
74.9	9.4	0.01	24.1					
546.800	139.6	-309.7	7.2	8.7	125.9	0.008	7.9	2.56
74.9	9.4	0.01	23.9					
546.900	136.9	-310.4	7.3	9.0	122.0	0.011	7.9	2.56
74.9	9.4	0.01	23.3					
547.000	134.5	-311.0	7.4	9.3	119.4	0.013	7.9	2.57
74.9	8.9	0.01	23.3					
547.100	132.7	-311.5	7.5	9.6	117.2	0.018	7.9	2.57
74.9	8.9	0.01	23.0					
547.200	131.6	-311.8	7.6	9.9	111.0	0.019	7.9	2.58
74.9	8.3	0.01	22.2					
547.300	130.0	-312.2	7.7	10.2	104.9	0.016	7.9	2.57
74.9	8.6	0.01	21.6					
547.400	128.1	-312.5	7.8	10.4	100.8	0.012	7.9	2.57
74.9	8.8	0.01	21.2					
547.500	125.9	-312.7	7.9	10.7	97.8	0.011	7.9	2.58
74.9	8.3	0.01	20.9					
547.600	123.7	-312.8	8.1	10.8	92.1	0.010	7.9	2.57
74.9	8.7	0.01	21.1					
547.700	122.1	-312.7	8.2	11.1	92.1	0.006	7.9	2.57
74.9	8.8	0.01	20.6					
547.800	120.5	-312.5	8.3	11.2	92.6	0.004	7.9	2.57
74.9	8.6	0.01	20.3					
547.900	118.6	-312.4	8.4	11.4	90.4	0.004	7.9	2.57
74.9	8.4	0.01	20.2					
548.000	116.3	-312.2	8.6	11.6	93.0	0.006	7.9	2.57
75.0	8.7	0.01	20.4					
548.100	114.0	-312.2	8.8	11.8	91.5	0.005	7.9	2.57
74.9	8.7	0.01	19.9					
548.200	112.3	-312.3	8.9	12.0	90.6	0.002	7.9	2.57
75.0	8.7	0.01	20.1					
548.300	110.6	-312.6	9.0	12.3	91.7	0.001	7.9	2.56
74.9	9.3	0.01	19.8					
548.400	108.4	-312.9	9.2	12.5	88.2	-0.006	7.9	2.56
75.0	9.1	0.01	20.3					

548.500	105.4	-313.4	9.5	12.8	85.6	-0.005	7.9	2.56
75.0	9.1	0.01	19.9					
548.600	102.9	-313.9	9.7	13.0	83.9	-0.004	7.9	2.56
75.0	9.3	0.01	19.8					
548.700	100.1	-314.6	10.0	13.1	82.0	-0.002	7.9	2.55
75.0	9.6	0.02	20.0					
548.800	97.9	-315.4	10.2	13.3	80.7	-0.002	7.9	2.56
74.9	9.3	0.02	20.0					
548.900	95.8	-316.4	10.4	13.6	77.4	-0.003	7.9	2.57
75.0	8.8	0.02	19.9					
549.000	93.2	-317.5	10.7	13.9	76.1	0.004	7.9	2.57
75.0	8.5	0.01	20.0					
549.100	91.0	-318.8	11.0	14.2	77.9	0.013	7.9	2.58
75.0	8.2	0.01	19.9					
549.200	88.4	-320.3	11.3	14.4	78.5	0.013	7.9	2.58
75.0	7.8	0.01	19.7					
549.300	86.7	-322.1	11.5	14.7	76.3	0.012	7.9	2.58
75.0	8.2	0.01	19.5					
549.400	85.3	-323.9	11.7	14.9	74.4	0.011	7.9	2.57
75.0	8.7	0.01	19.7					
549.500	83.2	-325.5	12.0	15.2	70.1	0.009	7.9	2.57
75.0	8.8	0.01	19.5					
549.600	81.7	-327.0	12.2	15.5	69.9	0.008	7.9	2.57
75.0	8.8	0.01	19.4					
549.700	79.6	-328.2	12.6	15.7	67.7	0.007	7.9	2.57
75.0	8.7	0.01	19.0					
549.800	78.6	-329.4	12.7	16.0	64.7	0.007	7.9	2.58
75.0	8.3	0.01	18.8					
549.900	77.5	-330.6	12.9	16.3	64.7	0.006	7.9	2.57
75.0	8.5	0.01	18.3					
550.000	76.8	-332.1	13.0	16.9	64.7	0.006	7.9	2.58
75.0	8.2	0.01	18.4					
550.100	75.9	-333.4	13.2	17.3	66.0	0.012	7.9	2.58
75.0	8.1	0.01	18.4					
550.200	74.6	-334.7	13.4	17.6	65.5	0.013	7.9	2.57
75.0	8.5	0.01	18.3					
550.300	74.0	-335.6	13.5	17.9	64.2	0.007	7.9	2.57
75.0	8.8	0.01	18.2					
550.400	74.0	-336.4	13.5	18.1	65.1	-0.003	7.9	2.56
75.0	9.2	0.01	17.7					
550.500	74.0	-337.1	13.5	18.2	63.4	-0.001	7.9	2.55
75.0	10.0	0.01	17.6					
550.600	74.3	-338.0	13.5	18.3	59.9	0.000	7.8	2.55
75.0	9.9	0.01	17.7					
550.700	74.1	-339.0	13.5	18.0	61.0	0.002	7.9	2.55
75.0	10.1	0.01	17.8					
550.800	73.6	-340.1	13.6	17.9	60.1	0.004	7.9	2.54
75.0	10.4	0.01	17.6					
550.900	73.0	-341.3	13.7	17.8	59.0	0.004	7.9	2.55
75.0	10.1	0.01	17.3					
551.000	73.2	-342.2	13.7	17.5	59.9	0.009	7.9	2.55
75.0	9.9	0.01	17.4					
551.100	74.4	-342.8	13.4	17.3	59.7	0.008	7.9	2.55
75.0	9.9	0.01	17.5					

551.200	74.7	-343.2	13.4	17.2	60.3	0.008	7.9	2.55
75.0	10.0	0.01	17.8					
551.300	74.6	-343.4	13.4	17.0	61.0	0.009	7.9	2.54
75.0	10.4	0.01	17.9					
551.400	74.0	-343.5	13.5	17.0	62.1	0.005	7.8	2.54
75.0	10.5	0.01	18.4					
551.500	74.1	-343.5	13.5	17.0	62.9	0.006	7.9	2.52
75.0	11.7	0.02	18.6					
551.600	74.9	-343.4	13.4	16.9	62.1	0.008	7.9	2.51
75.0	12.3	0.02	18.6					
551.700	75.8	-343.1	13.2	16.9	62.5	0.011	7.8	2.51
75.0	12.6	0.02	18.5					
551.800	76.1	-342.7	13.1	16.8	64.9	0.007	7.9	2.50
75.0	12.9	0.01	18.9					
551.900	75.8	-342.3	13.2	16.8	64.5	0.005	7.9	2.49
75.0	13.6	0.02	19.1					
552.000	75.3	-341.9	13.3	16.8	64.7	0.005	7.9	2.49
75.0	13.9	0.02	19.1					
552.100	74.8	-341.5	13.4	16.8	66.0	0.007	7.9	2.48
75.0	14.5	0.02	18.8					
552.200	74.1	-341.2	13.5	16.8	66.4	0.007	7.9	2.47
75.0	14.9	0.02	18.8					
552.300	73.3	-341.0	13.6	16.9	67.5	0.004	7.9	2.47
75.0	15.1	0.02	19.0					
552.400	73.6	-340.8	13.6	17.0	69.4	0.002	7.9	2.46
75.0	15.6	0.01	19.2					
552.500	73.8	-340.6	13.6	17.1	71.6	0.002	7.8	2.45
75.0	15.9	0.01	19.2					
552.600	74.2	-340.5	13.5	17.1	72.5	-0.000	7.9	2.45
75.0	16.2	0.01	19.1					
552.700	73.9	-340.5	13.5	17.0	77.0	-0.001	7.9	2.45
75.0	16.3	0.01	18.9					
552.800	73.9	-340.7	13.5	17.0	81.3	-0.002	7.8	2.45
75.0	16.1	0.01	18.9					
552.900	74.0	-340.8	13.5	16.9	81.8	-0.002	7.9	2.45
75.0	16.2	0.01	18.5					
553.000	74.2	-340.8	13.5	16.8	82.6	-0.002	7.9	2.46
75.0	15.6	0.01	18.4					
553.100	74.1	-340.8	13.5	16.8	83.5	0.003	7.9	2.47
75.0	15.1	0.01	18.4					
553.200	74.6	-340.7	13.4	16.8	86.9	0.004	7.9	2.48
75.0	14.4	0.01	18.3					
553.300	74.7	-340.3	13.4	16.7	86.7	0.004	7.9	2.49
75.0	13.7	0.01	18.5					
553.400	75.5	-339.8	13.2	16.8	89.1	0.004	7.9	2.50
75.0	12.9	0.01	19.2					
553.500	75.6	-339.1	13.2	16.9	94.5	0.009	7.9	2.50
75.0	12.9	0.01	19.4					
553.600	75.2	-337.8	13.3	16.8	97.3	0.009	7.8	2.51
75.0	12.4	0.02	19.6					
553.700	74.3	-336.2	13.5	16.9	99.1	0.009	7.9	2.51
75.0	12.3	0.02	19.6					
553.800	74.9	-334.4	13.4	16.9	99.9	0.008	7.9	2.52
75.0	11.6	0.02	19.5					

553.900	75.2	-332.5	13.3	16.8	103.8	0.012	7.8	2.53
75.0	11.4	0.02	19.8					
554.000	75.6	-330.7	13.2	16.9	104.5	0.013	7.9	2.54
75.0	10.9	0.02	20.2					
554.100	74.9	-329.0	13.3	16.8	105.8	0.014	7.9	2.54
75.0	10.4	0.02	20.6					
554.200	74.7	-327.3	13.4	16.9	103.2	0.015	7.9	2.54
75.0	10.6	0.02	20.7					
554.300	74.9	-325.8	13.4	17.0	101.9	0.013	7.9	2.54
75.0	10.8	0.02	21.0					
554.400	74.8	-324.5	13.4	17.0	100.4	0.010	7.9	2.54
75.0	10.8	0.02	21.3					
554.500	74.5	-323.2	13.4	17.1	100.8	0.008	7.9	2.53
75.0	11.4	0.02	21.3					
554.600	74.9	-322.1	13.4	17.2	100.4	0.008	7.9	2.53
75.0	11.2	0.02	21.3					
554.700	74.7	-321.6	13.4	17.2	98.8	0.009	7.9	2.53
75.0	11.2	0.02	21.5					
554.800	75.1	-321.5	13.3	17.3	101.4	0.007	7.9	2.53
75.0	11.2	0.02	20.9					
554.900	74.3	-321.6	13.5	17.4	101.9	0.009	7.9	2.53
75.1	11.0	0.02	20.3					
555.000	73.9	-321.8	13.5	17.5	101.0	0.014	7.9	2.54
75.0	10.4	0.02	20.1					
555.100	73.2	-322.0	13.7	17.6	103.0	0.016	7.9	2.54
75.1	10.3	0.02	19.8					
555.200	72.7	-322.3	13.7	17.6	99.5	0.012	7.9	2.56
75.0	9.5	0.02	20.0					
555.300	72.7	-322.6	13.8	17.7	98.6	0.010	7.9	2.56
75.1	9.6	0.02	20.1					
555.400	72.7	-322.9	13.8	17.9	91.7	0.008	7.8	2.58
75.1	8.4	0.02	19.7					
555.500	72.7	-323.4	13.7	18.1	89.8	0.010	7.9	2.59
75.1	7.6	0.02	19.6					
555.600	73.0	-324.1	13.7	18.1	84.6	0.014	7.9	2.61
75.1	6.4	0.02	19.1					
555.700	72.9	-324.9	13.7	18.3	84.6	0.019	7.9	2.62
75.1	5.7	0.02	19.3					
555.800	73.2	-325.9	13.7	18.4	82.8	0.017	7.9	2.63
75.1	4.7	0.02	18.9					
555.900	73.3	-327.0	13.7	18.4	84.1	0.016	7.9	2.65
75.1	3.8	0.02	18.7					
556.000	73.2	-329.0	13.7	18.3	85.9	0.012	7.9	2.67
75.1	2.3	0.01	18.4					
556.100	73.7	-331.7	13.6	18.1	85.9	0.013	7.9	2.69
75.1	1.5	0.02	18.5					
556.200	73.2	-334.5	13.7	17.8	84.1	0.016	7.9	2.70
75.1	0.6	0.02	18.3					
556.300	73.1	-337.4	13.7	17.7	83.3	0.019	7.9	2.71
75.1	0.0	0.02	18.2					
556.400	72.6	-340.5	13.8	17.5	85.4	0.023	7.9	2.70
75.1	0.5	0.01	18.3					
556.500	73.3	-343.5	13.6	17.3	92.8	0.024	7.9	2.70
75.1	0.6	0.02	19.4					

556.600	74.0	-346.3	13.5	17.2	92.1	0.028	7.9	2.70
75.1	0.6	0.01 20.0						
556.700	74.4	-348.7	13.4	16.9	96.5	0.030	7.9	2.69
75.1	1.1	0.01 19.8						
556.800	74.4	-350.0	13.4	16.5	99.7	0.027	7.9	2.70
75.1	0.9	0.01 20.5						
556.900	74.5	-349.5	13.4	16.2	105.8	0.026	7.9	2.68
75.1	1.7	0.02 21.2						
557.000	75.1	-348.1	13.3	15.9	105.3	0.022	7.9	2.67
75.1	2.6	0.01 21.5						
557.100	75.4	-345.5	13.3	15.7	112.3	0.026	7.9	2.65
75.1	3.5	0.02 22.4						
557.200	75.0	-341.9	13.3	15.5	114.8	0.027	7.9	2.65
75.1	3.6	0.02 22.8						
557.300	75.0	-338.2	13.3	15.5	116.6	0.029	7.9	2.66
75.1	3.3	0.02 23.4						
557.400	74.3	-334.2	13.5	15.7	119.2	0.031	7.9	2.65
75.1	3.6	0.01 24.0						
557.500	74.6	-329.9	13.4	15.9	118.1	0.025	7.9	2.65
75.1	3.8	0.01 24.0						
557.600	74.2	-325.7	13.5	16.0	122.8	0.020	7.9	2.65
75.1	3.9	0.01 24.4						
557.700	74.6	-321.5	13.4	16.0	127.4	0.017	7.9	2.65
75.1	3.7	0.01 25.7						
557.800	75.0	-317.7	13.3	15.9	130.6	0.019	7.9	2.66
75.1	3.4	0.01 26.3						
557.900	75.2	-314.8	13.3	15.7	126.1	0.022	7.9	2.66
75.1	3.2	0.01 26.5						
558.000	76.1	-313.6	13.1	15.5	118.1	0.021	7.9	2.66
75.1	2.8	0.01 26.3						
558.100	76.3	-313.0	13.1	15.3	117.4	0.023	7.9	2.67
75.1	2.5	0.01 26.4						
558.200	76.7	-312.9	13.0	15.2	115.5	0.020	7.9	2.69
75.1	1.4	0.01 27.0						
558.300	77.1	-313.2	13.0	15.2	115.1	0.025	7.9	2.69
75.1	1.3	0.01 26.7						
558.400	77.3	-313.7	12.9	15.1	115.5	0.025	7.9	2.69
75.1	1.1	0.01 26.8						
558.500	78.0	-314.2	12.8	15.1	116.4	0.024	7.9	2.70
75.1	0.9	0.02 26.6						
558.600	78.4	-314.4	12.8	15.0	112.7	0.023	7.9	2.70
75.1	0.8	0.02 26.4						
558.700	79.8	-314.7	12.5	15.0	112.3	0.020	7.9	2.70
75.1	0.6	0.01 26.3						
558.800	79.6	-315.0	12.6	15.0	117.0	0.022	7.9	2.69
75.1	1.0	0.02 26.5						
558.900	80.1	-315.1	12.5	15.1	113.5	0.023	7.9	2.69
75.1	1.2	0.02 26.5						
559.000	80.9	-315.2	12.4	15.1	114.2	0.023	7.9	2.69
75.1	1.5	0.02 27.2						
559.100	81.9	-315.2	12.2	15.1	111.6	0.024	7.9	2.68
75.1	1.9	0.02 27.2						
559.200	82.2	-315.3	12.2	15.1	110.3	0.022	7.9	2.66
75.1	3.0	0.02 26.5						

559.300	81.3	-315.2	12.3	15.2	108.1	0.022	7.9	2.65
75.1	3.6	0.02	26.6					
559.400	80.9	-314.8	12.4	15.1	111.6	0.023	7.9	2.65
75.1	3.9	0.02	26.8					
559.500	81.5	-314.5	12.3	14.9	113.8	0.024	7.9	2.64
75.1	4.4	0.02	26.6					
559.600	82.4	-314.2	12.1	14.8	118.1	0.017	7.9	2.63
75.1	5.1	0.02	26.3					
559.700	82.9	-314.0	12.1	14.6	119.2	0.015	7.9	2.62
75.1	5.6	0.02	26.4					
559.800	82.3	-313.7	12.1	14.6	118.3	0.020	7.9	2.62
75.1	5.6	0.02	26.2					
559.900	82.9	-313.6	12.1	14.6	115.3	0.022	7.9	2.63
75.1	4.9	0.02	26.5					
560.000	82.9	-313.6	12.1	14.7	118.7	0.030	7.9	2.63
75.1	5.1	0.01	26.5					
560.100	83.1	-313.7	12.0	14.7	123.3	0.027	7.9	2.62
75.1	5.5	0.01	26.5					
560.200	82.9	-313.8	12.1	14.7	124.6	0.024	7.9	2.62
75.1	5.4	0.02	26.5					
560.300	82.9	-313.8	12.1	14.5	119.8	0.020	7.9	2.62
75.1	5.4	0.01	26.9					
560.400	84.4	-313.9	11.8	14.4	119.8	0.015	7.9	2.63
75.1	4.9	0.02	26.1					
560.500	84.9	-313.8	11.8	14.2	120.7	0.013	7.9	2.63
75.1	5.2	0.02	25.7					
560.600	85.7	-313.7	11.7	14.0	118.1	0.010	7.9	2.64
75.1	4.4	0.02	25.6					
560.700	84.4	-313.7	11.8	13.8	121.1	0.012	7.9	2.65
75.1	3.5	0.02	25.5					
560.800	84.6	-313.9	11.8	13.6	122.2	0.016	7.9	2.66
75.1	2.9	0.02	25.5					
560.900	85.0	-314.0	11.8	13.5	125.9	0.019	7.9	2.67
75.2	2.2	0.02	25.8					
561.000	86.5	-314.1	11.6	13.6	123.5	0.027	7.9	2.68
75.1	1.6	0.02	26.3					
561.100	86.6	-314.3	11.6	13.5	120.0	0.026	7.9	2.69
75.2	1.1	0.01	26.6					
561.200	86.5	-314.5	11.6	13.4	118.7	0.025	7.9	2.69
75.2	1.5	0.01	26.3					
561.300	87.2	-314.8	11.5	13.3	120.0	0.018	7.9	2.69
75.2	1.1	0.01	26.6					
561.400	88.4	-314.8	11.3	13.1	123.5	0.024	7.9	2.69
75.1	1.5	0.01	26.7					
561.500	89.3	-314.9	11.2	13.0	122.0	0.030	7.9	2.69
75.2	1.2	0.01	26.5					
561.600	89.4	-314.9	11.2	13.0	121.6	0.034	7.9	2.69
75.2	1.1	0.01	26.8					
561.700	89.8	-314.7	11.1	12.9	120.9	0.033	7.9	2.69
75.2	1.2	0.01	27.3					
561.800	90.8	-314.5	11.0	12.8	123.1	0.034	7.9	2.68
75.2	1.7	0.01	27.7					
561.900	91.7	-314.3	10.9	12.6	125.2	0.035	7.9	2.67
75.2	2.4	0.02	28.4					

562.000	92.5	-314.2	10.8	12.5	126.5	0.027	7.9	2.68
75.2	1.8	0.02 28.5						
562.100	94.0	-314.0	10.6	12.4	129.6	0.027	7.9	2.67
75.2	2.6	0.02 28.6						
562.200	94.1	-313.9	10.6	12.2	127.0	0.025	7.9	2.65
75.2	3.5	0.02 28.5						
562.300	94.6	-313.8	10.6	11.9	125.7	0.021	7.9	2.65
75.2	4.0	0.02 28.1						
562.400	94.6	-313.8	10.6	11.6	123.3	0.018	7.9	2.64
75.2	4.3	0.02 28.2						
562.500	96.4	-313.8	10.4	11.5	123.3	0.020	7.9	2.63
75.2	5.0	0.02 27.8						
562.600	97.7	-313.9	10.2	11.4	125.4	0.017	7.9	2.63
75.2	5.2	0.02 28.9						
562.700	98.9	-314.2	10.1	11.4	125.9	0.011	7.9	2.62
75.2	5.5	0.02 29.0						
562.800	100.0	-314.5	10.0	11.4	126.7	0.007	7.9	2.61
75.2	6.3	0.02 28.5						
562.900	101.6	-314.8	9.8	11.3	125.4	0.003	7.9	2.60
75.2	6.6	0.02 28.0						
563.000	102.9	-315.1	9.7	11.3	128.7	0.006	7.9	2.60
75.2	7.1	0.02 28.4						
563.100	104.8	-315.3	9.5	11.2	124.8	0.005	7.9	2.60
75.2	7.1	0.02 28.1						
563.200	105.3	-315.6	9.5	11.0	129.8	0.007	7.9	2.60
75.2	7.1	0.02 27.5						
563.300	106.4	-315.7	9.4	10.9	128.7	0.012	7.9	2.59
75.2	7.2	0.02 26.6						
563.400	106.6	-315.7	9.4	10.7	130.4	0.008	7.9	2.60
75.2	6.6	0.02 26.6						
563.500	107.8	-315.6	9.3	10.6	130.6	0.009	7.9	2.59
75.2	7.7	0.01 26.9						
563.600	109.0	-315.7	9.2	10.4	131.5	0.007	7.9	2.58
75.2	7.8	0.01 27.0						
563.700	110.8	-315.8	9.0	10.4	130.0	0.008	7.9	2.58
75.2	7.9	0.01 27.6						
563.800	112.4	-315.8	8.9	10.3	130.4	0.005	7.9	2.58
75.2	7.9	0.01 27.8						
563.900	113.0	-316.0	8.9	10.2	128.5	0.007	7.9	2.58
75.2	8.2	0.01 27.3						
564.000	113.7	-316.1	8.8	10.1	127.6	0.008	7.9	2.59
75.2	7.5	0.01 27.3						
564.100	114.1	-316.3	8.8	9.9	127.6	0.010	7.8	2.60
75.2	6.9	0.02 26.4						
564.200	114.9	-316.5	8.7	9.8	129.3	0.016	7.9	2.60
75.2	6.7	0.01 26.4						
564.300	115.8	-316.9	8.6	9.7	131.5	0.015	7.9	2.60
75.2	7.0	0.01 27.3						
564.400	116.8	-317.3	8.6	9.5	133.4	0.014	7.8	2.60
75.2	7.1	0.01 27.3						
564.500	118.4	-317.9	8.4	9.5	133.0	0.013	7.9	2.60
75.2	7.1	0.02 27.2						
564.600	118.5	-318.5	8.4	9.5	136.0	0.011	7.8	2.59
75.2	7.2	0.02 27.4						

564.700	118.4	-319.2	8.5	9.4	130.0	0.010	7.9	2.59
75.2	7.3	0.02 28.0						
564.800	117.5	-320.1	8.5	9.4	130.2	0.010	7.9	2.60
75.2	6.9	0.02 27.9						
564.900	117.8	-320.9	8.5	9.5	124.1	0.015	7.9	2.60
75.2	7.0	0.02 27.6						
565.000	118.2	-321.8	8.5	9.5	123.3	0.014	7.9	2.60
75.2	6.7	0.02 28.0						
565.100	117.9	-322.8	8.5	9.6	123.3	0.014	7.9	2.60
75.2	6.8	0.02 28.3						
565.200	117.4	-323.5	8.5	9.7	123.5	0.013	7.9	2.61
75.2	6.3	0.02 28.0						
565.300	117.3	-324.0	8.5	9.7	123.5	0.015	7.9	2.61
75.2	6.3	0.02 28.2						
565.400	117.0	-324.2	8.5	9.9	122.0	0.014	7.8	2.62
75.2	5.9	0.02 28.4						
565.500	116.7	-324.3	8.6	10.0	125.9	0.012	7.9	2.62
75.2	5.8	0.02 28.4						
565.600	116.0	-324.2	8.6	10.1	123.7	0.013	7.9	2.62
75.2	5.9	0.02 28.2						
565.700	115.3	-323.9	8.7	10.2	122.4	0.016	7.9	2.62
75.2	5.6	0.02 28.2						
565.800	114.8	-323.5	8.7	10.3	118.1	0.018	7.9	2.62
75.2	5.3	0.02 27.7						
565.900	114.5	-322.8	8.7	10.4	116.8	0.017	7.9	2.62
75.2	5.4	0.02 27.8						
566.000	114.6	-322.2	8.7	10.5	115.1	0.015	7.9	2.63
75.2	4.9	0.02 27.8						
566.100	114.3	-321.4	8.7	10.6	116.1	0.016	7.8	2.63
75.3	5.2	0.02 27.5						
566.200	114.4	-320.5	8.7	10.7	117.0	0.011	7.9	2.63
75.3	5.1	0.01 27.6						
566.300	114.7	-319.7	8.7	10.8	115.9	0.013	7.9	2.63
75.3	4.9	0.01 27.8						
566.400	114.6	-319.1	8.7	10.9	118.5	0.015	7.9	2.62
75.3	5.4	0.01 27.9						
566.500	114.0	-318.6	8.8	10.9	118.3	0.015	7.9	2.63
75.3	5.2	0.01 27.7						
566.600	112.9	-318.1	8.9	11.1	118.7	0.013	7.9	2.63
75.3	4.9	0.01 27.7						
566.700	112.1	-317.5	8.9	11.1	118.3	0.013	7.9	2.62
75.3	5.7	0.01 27.5						
566.800	111.1	-317.0	9.0	11.2	118.5	0.010	7.8	2.62
75.3	5.9	0.01 27.6						
566.900	110.1	-316.6	9.1	11.3	122.4	0.008	7.9	2.60
75.3	6.6	0.01 27.5						
567.000	108.9	-316.2	9.2	11.4	120.5	0.004	7.9	2.60
75.3	7.1	0.02 27.6						
567.100	108.1	-315.7	9.2	11.5	123.5	0.002	7.9	2.60
75.3	7.0	0.02 27.5						
567.200	107.6	-315.2	9.3	11.6	125.2	0.007	7.9	2.59
75.3	7.6	0.02 27.6						
567.300	107.0	-314.7	9.3	11.7	127.4	0.009	7.9	2.59
75.3	7.4	0.02 27.6						

567.400	106.3	-314.3	9.4	11.8	130.4	0.005	7.9	2.59
75.3	7.4	0.02 27.5						
567.500	105.2	-314.0	9.5	11.9	128.7	0.007	7.9	2.58
75.3	7.9	0.02 27.4						
567.600	104.4	-313.5	9.6	12.1	126.7	0.005	7.9	2.59
75.3	7.3	0.02 27.6						
567.700	103.5	-313.2	9.7	12.1	128.9	0.009	7.9	2.59
75.3	7.7	0.02 27.4						
567.800	102.6	-313.0	9.7	12.2	130.4	0.010	7.9	2.57
75.3	8.5	0.02 27.1						
567.900	101.3	-312.9	9.9	12.3	134.1	0.008	7.9	2.58
75.3	8.2	0.02 27.1						
568.000	100.0	-312.8	10.0	12.3	138.4	0.009	7.9	2.58
75.3	8.4	0.02 26.9						
568.100	99.3	-312.8	10.1	12.4	136.3	0.012	7.9	2.57
75.3	8.7	0.02 27.2						
568.200	98.9	-312.7	10.1	12.5	141.0	0.012	7.9	2.57
75.3	8.6	0.02 27.1						
568.300	98.0	-312.7	10.2	12.5	141.9	0.013	7.9	2.57
75.3	8.8	0.02 27.0						
568.400	97.6	-312.8	10.3	12.6	141.5	0.013	7.9	2.57
75.3	8.4	0.02 27.2						
568.500	96.9	-312.9	10.3	12.6	141.0	0.013	7.9	2.57
75.3	8.5	0.01 27.0						
568.600	96.4	-313.0	10.4	12.6	138.0	0.012	7.9	2.56
75.3	9.1	0.02 27.1						
568.700	95.7	-313.2	10.4	12.6	136.3	0.015	7.9	2.57
75.3	8.7	0.01 27.1						
568.800	95.1	-313.3	10.5	12.6	135.2	0.015	7.9	2.57
75.3	8.9	0.01 27.2						
568.900	94.7	-313.3	10.6	12.6	135.0	0.015	7.9	2.57
75.3	8.7	0.02 27.3						
569.000	94.5	-313.2	10.6	12.7	137.8	0.010	7.9	2.58
75.3	8.4	0.01 27.4						
569.100	93.7	-313.2	10.7	12.7	138.2	0.013	7.9	2.57
75.3	8.7	0.01 28.9						
569.200	93.4	-313.2	10.7	12.7	137.1	0.017	7.9	2.57
75.3	8.5	0.02 29.0						
569.300	92.6	-313.1	10.8	12.8	135.4	0.016	7.9	2.57
75.3	8.4	0.02 29.2						
569.400	93.1	-313.2	10.7	12.7	133.2	0.014	7.9	2.57
75.3	8.6	0.02 29.5						
569.500	93.3	-313.1	10.7	12.8	130.2	0.014	7.9	2.57
75.3	9.0	0.02 29.5						
569.600	93.6	-313.1	10.7	12.8	133.7	0.015	7.9	2.57
75.3	8.7	0.02 29.7						
569.700	93.4	-313.0	10.7	12.7	130.2	0.018	7.9	2.57
75.3	8.7	0.02 29.8						
569.800	93.8	-313.0	10.7	12.7	130.9	0.014	7.9	2.57
75.3	8.8	0.02 29.7						
569.900	94.1	-312.9	10.6	12.8	131.3	0.013	7.9	2.56
75.3	9.0	0.02 29.6						
570.000	93.8	-312.8	10.7	12.7	134.3	0.011	7.9	2.56
75.3	9.1	0.02 30.2						

570.100	94.1	-312.8	10.6	12.7	134.7	0.010	7.9	2.55
75.3	9.7	0.02 30.2						
570.200	93.6	-312.7	10.7	12.7	139.5	0.008	7.9	2.55
75.3	10.1	0.02 30.3						
570.300	94.1	-312.6	10.6	12.7	140.4	0.009	7.9	2.55
75.3	10.0	0.02 30.3						
570.400	93.1	-312.6	10.7	12.7	138.2	0.005	7.9	2.54
75.3	10.2	0.02 30.1						
570.500	93.8	-312.6	10.7	12.7	142.1	0.004	7.9	2.54
75.3	10.8	0.02 30.3						
570.600	93.6	-312.5	10.7	12.7	142.5	0.002	7.9	2.53
75.3	11.0	0.02 29.1						
570.700	93.9	-312.4	10.6	12.7	141.2	0.003	7.9	2.53
75.3	11.1	0.02 28.6						
570.800	93.5	-312.3	10.7	12.6	142.5	0.002	7.9	2.53
75.3	11.0	0.02 28.6						
570.900	93.6	-312.2	10.7	12.6	142.1	0.002	7.9	2.52
75.3	11.5	0.02 28.2						
571.000	93.9	-312.1	10.7	12.6	141.2	-0.003	7.9	2.53
75.3	11.2	0.02 28.2						
571.100	93.8	-312.0	10.7	12.7	138.6	-0.002	7.9	2.53
75.3	11.3	0.02 27.9						
571.200	93.4	-312.0	10.7	12.6	138.6	-0.001	7.9	2.54
75.3	10.6	0.02 27.8						
571.300	92.6	-312.0	10.8	12.5	133.9	0.005	7.9	2.55
75.3	10.2	0.02 28.4						
571.400	92.8	-312.0	10.8	12.6	131.5	0.007	7.9	2.55
75.3	9.9	0.02 28.5						
571.500	92.5	-312.0	10.8	12.6	127.4	0.010	7.9	2.56
75.4	9.6	0.02 27.8						
571.600	92.8	-312.0	10.8	12.6	128.5	0.010	7.9	2.57
75.3	8.6	0.02 27.7						
571.700	92.3	-312.0	10.8	12.6	124.6	0.014	7.9	2.58
75.3	8.2	0.02 28.0						
571.800	92.7	-312.0	10.8	12.6	124.4	0.015	7.9	2.58
75.3	8.1	0.02 28.0						
571.900	92.8	-312.0	10.8	12.6	124.4	0.015	7.9	2.57
75.4	8.6	0.02 28.0						
572.000	93.2	-312.2	10.7	12.6	120.3	0.011	7.9	2.56
75.4	9.1	0.02 28.4						
572.100	91.8	-312.3	10.9	12.5	114.6	0.009	7.9	2.54
75.4	10.4	0.02 28.4						
572.200	91.6	-312.5	10.9	12.5	112.3	0.006	7.9	2.51
75.4	12.3	0.02 29.3						
572.300	91.3	-312.7	11.0	12.5	108.4	0.006	7.9	2.48
75.4	14.0	0.02 29.3						
572.400	92.9	-312.9	10.8	12.5	106.4	0.009	7.9	2.47
75.4	14.9	0.02 29.7						
572.500	93.5	-313.2	10.7	12.5	103.6	0.023	7.9	2.44
75.4	16.7	0.01 29.6						
572.600	93.9	-313.5	10.7	12.5	101.9	0.027	7.9	2.40
75.4	19.1	0.01 29.4						
572.700	94.8	-313.7	10.6	12.6	100.4	0.029	7.9	2.35
75.4	22.5	0.01 29.9						

572.800	95.2	-314.1	10.5	12.6	100.8	0.026	7.9	2.30
75.4	25.4	0.01	29.9					
572.900	96.6	-314.7	10.4	12.6	99.3	0.021	7.9	2.26
75.4	27.7	0.01	30.6					
573.000	97.2	-315.4	10.3	12.5	99.3	0.015	7.9	2.23
75.4	29.6	0.01	30.8					
573.100	98.6	-316.4	10.1	12.5	98.4	0.009	8.0	2.20
75.4	31.5	0.01	31.2					
573.200	99.3	-318.0	10.1	12.4	101.0	0.008	7.9	2.19
75.4	32.0	0.01	31.5					
573.300	100.3	-319.9	10.0	12.3	102.1	0.014	8.0	2.19
75.4	32.3	0.01	31.6					
573.400	100.7	-321.8	9.9	12.2	101.7	0.018	8.0	2.19
75.4	32.4	0.02	31.9					
573.500	101.4	-323.8	9.9	12.1	101.0	0.021	8.0	2.19
75.4	32.0	0.02	31.9					
573.600	101.9	-325.4	9.8	12.0	105.3	0.023	7.9	2.21
75.4	31.1	0.02	32.2					
573.700	102.7	-326.0	9.7	11.7	106.4	0.019	7.9	2.24
75.4	29.4	0.02	31.4					
573.800	103.1	-326.0	9.7	11.5	111.6	0.005	8.0	2.27
75.4	27.5	0.02	31.6					
573.900	103.3	-325.8	9.7	11.3	114.0	-0.002	7.9	2.29
75.4	25.9	0.02	31.1					
574.000	104.4	-325.4	9.6	11.0	119.8	-0.004	7.9	2.33
75.4	23.8	0.02	31.3					
574.100	105.5	-324.8	9.5	10.8	122.0	-0.000	7.9	2.37
75.4	21.1	0.02	31.3					
574.200	106.2	-323.6	9.4	10.5	126.5	0.003	7.9	2.42
75.4	18.1	0.02	30.7					
574.300	107.6	-321.9	9.3	10.3	127.8	0.005	7.9	2.47
75.4	15.0	0.02	30.2					
574.400	108.4	-319.7	9.2	10.2	132.2	0.009	7.9	2.51
75.4	12.1	0.02	28.7					
574.500	109.4	-317.3	9.1	10.0	133.4	0.016	7.9	2.55
75.4	9.8	0.02	28.5					
574.600	109.3	-315.0	9.1	9.9	133.0	0.016	7.9	2.59
75.4	7.4	0.02	28.1					
574.700	109.9	-312.9	9.1	9.9	132.2	0.017	7.9	2.61
75.4	6.5	0.02	27.4					
574.800	110.5	-312.0	9.1	9.8	131.7	0.019	7.9	2.62
75.4	5.7	0.02	27.4					
574.900	110.6	-311.5	9.0	9.7	131.7	0.019	7.9	2.64
75.4	4.6	0.02	27.3					
575.000	111.2	-311.3	9.0	9.6	130.6	0.020	7.9	2.65
75.4	4.0	0.02	26.7					
575.100	111.8	-311.2	8.9	9.5	133.0	0.019	7.9	2.67
75.4	2.6	0.02	26.1					
575.200	112.7	-311.1	8.9	9.5	135.4	0.019	7.9	2.68
75.4	2.0	0.02	26.0					
575.300	113.7	-311.0	8.8	9.4	133.2	0.017	7.9	2.69
75.4	1.5	0.02	25.6					
575.400	113.7	-311.0	8.8	9.3	134.3	0.021	7.9	2.69
75.4	1.4	0.02	25.8					

575.500	113.4	-311.0	8.8	9.4	131.1	0.023	7.9	2.68
75.4	1.7	0.02 25.8						
575.600	112.9	-311.1	8.9	9.4	131.9	0.025	7.9	2.68
75.4	1.6	0.02 25.8						
575.700	114.1	-311.1	8.8	9.5	130.0	0.026	7.9	2.69
75.4	1.0	0.02 25.5						
575.800	114.7	-311.0	8.7	9.5	132.2	0.025	7.9	2.69
75.4	1.3	0.02 25.6						
575.900	115.2	-310.8	8.7	9.5	128.5	0.023	7.9	2.68
75.4	1.6	0.02 26.5						
576.000	115.3	-310.5	8.7	9.5	128.5	0.023	7.9	2.67
75.4	2.2	0.02 26.2						
576.100	116.0	-310.2	8.6	9.6	130.2	0.021	7.9	2.67
75.4	2.7	0.02 26.1						
576.200	116.7	-309.8	8.6	9.6	128.9	0.025	7.9	2.66
75.4	3.1	0.02 26.5						
576.300	117.0	-309.4	8.5	9.7	126.5	0.027	7.9	2.65
75.4	3.6	0.02 26.8						
576.400	117.9	-309.0	8.5	9.7	126.7	0.028	7.9	2.65
75.4	3.9	0.01 26.5						
576.500	118.2	-308.6	8.5	9.8	126.3	0.026	7.9	2.65
75.4	4.0	0.01 26.3						
576.600	118.3	-308.3	8.5	9.9	124.1	0.027	7.9	2.64
75.5	4.1	0.02 26.1						
576.700	117.7	-308.0	8.5	10.0	126.3	0.023	7.9	2.64
75.4	4.5	0.02 26.7						
576.800	118.7	-307.6	8.4	10.1	127.4	0.019	7.9	2.63
75.4	5.2	0.02 27.5						
576.900	118.8	-307.3	8.4	10.1	126.1	0.018	7.9	2.62
75.5	5.4	0.02 27.6						
577.000	119.4	-307.2	8.4	10.1	127.8	0.017	7.9	2.63
75.5	5.0	0.01 27.5						
577.100	118.8	-307.0	8.4	10.1	126.5	0.016	7.9	2.62
75.5	5.3	0.01 27.6						
577.200	118.8	-306.9	8.4	10.1	123.9	0.014	7.9	2.62
75.5	5.8	0.01 28.1						
577.300	119.1	-306.8	8.4	10.1	120.9	0.013	7.9	2.62
75.5	5.8	0.01 28.0						
577.400	118.7	-306.7	8.4	10.1	120.9	0.012	7.9	2.61
75.5	6.0	0.01 27.6						
577.500	119.0	-306.6	8.4	10.1	121.3	0.010	7.9	2.62
75.5	5.5	0.01 27.6						
577.600	117.9	-306.6	8.5	10.1	120.7	0.011	7.9	2.62
75.5	5.5	0.01 27.6						
577.700	117.1	-306.6	8.5	10.1	120.5	0.014	7.9	2.62
75.5	5.6	0.01 27.1						
577.800	116.4	-306.5	8.6	10.1	123.1	0.013	7.9	2.63
75.5	4.9	0.01 26.8						
577.900	116.6	-306.6	8.6	10.1	121.3	0.016	7.9	2.63
75.5	4.9	0.01 27.0						
578.000	116.8	-306.6	8.6	10.1	121.3	0.013	7.9	2.64
75.5	4.6	0.02 27.2						
578.100	116.2	-306.7	8.6	10.2	120.7	0.015	7.9	2.63
75.5	5.2	0.02 27.6						

578.200	115.1	-306.7	8.7	10.3	115.9	0.017	7.9	2.63
75.5	5.2	0.02	27.1					
578.300	113.7	-306.8	8.8	10.4	116.1	0.014	7.9	2.63
75.5	4.9	0.01	26.7					
578.400	112.4	-306.8	8.9	10.4	116.6	0.013	7.9	2.62
75.5	5.3	0.01	26.5					
578.500	111.2	-306.8	9.0	10.4	115.9	0.011	7.9	2.63
75.5	5.0	0.01	26.4					
578.600	110.6	-306.9	9.0	10.4	116.8	0.016	7.9	2.64
75.5	4.2	0.02	26.2					
578.700	110.2	-306.9	9.1	10.5	120.5	0.024	7.9	2.64
75.5	4.2	0.02	26.4					
578.800	110.6	-306.9	9.0	10.4	122.8	0.023	7.9	2.65
75.5	3.8	0.02	26.8					
578.900	110.3	-306.8	9.1	10.4	123.9	0.024	7.9	2.65
75.5	3.9	0.02	26.9					
579.000	109.4	-306.8	9.1	10.5	124.8	0.023	7.9	2.64
75.5	4.5	0.02	27.3					
579.100	108.3	-306.8	9.2	10.5	123.1	0.024	7.9	2.63
75.5	4.9	0.02	27.6					
579.200	108.1	-306.8	9.3	10.6	124.1	0.022	7.9	2.62
75.5	5.3	0.02	27.7					
579.300	108.0	-306.8	9.3	10.7	124.1	0.024	7.9	2.61
75.5	5.9	0.02	27.3					
579.400	107.1	-306.8	9.3	10.7	122.2	0.024	7.9	2.61
75.5	6.0	0.02	27.8					
579.500	106.4	-306.8	9.4	10.7	126.5	0.027	7.9	2.61
75.5	6.4	0.02	27.5					
579.600	106.3	-306.8	9.4	10.7	128.7	0.029	7.9	2.60
75.5	6.8	0.02	27.3					
579.700	106.9	-306.8	9.4	10.8	131.5	0.027	7.9	2.60
75.5	6.9	0.01	27.5					
579.800	106.6	-306.7	9.4	10.8	130.2	0.030	7.9	2.59
75.5	7.3	0.01	27.1					
579.900	105.9	-306.7	9.4	10.8	131.3	0.025	7.9	2.59
75.5	7.4	0.01	27.8					
580.000	105.5	-306.7	9.5	10.8	129.1	0.016	7.9	2.58
75.5	8.4	0.01	28.1					
580.100	105.2	-306.6	9.5	10.8	130.0	0.015	7.9	2.57
75.5	8.9	0.01	28.5					
580.200	105.8	-306.6	9.5	10.8	128.7	0.013	7.9	2.57
75.5	8.9	0.01	28.5					
580.300	105.5	-306.5	9.5	10.8	127.6	0.013	7.9	2.56
75.5	9.2	0.01	28.3					
580.400	105.7	-306.4	9.5	10.7	129.8	0.010	7.8	2.55
75.5	9.7	0.01	28.4					
580.500	105.3	-306.4	9.5	10.7	131.7	0.004	7.9	2.56
75.5	9.5	0.01	28.1					
580.600	105.9	-306.3	9.4	10.6	132.2	0.001	7.9	2.56
75.5	9.5	0.01	27.9					
580.700	106.1	-306.3	9.4	10.6	128.7	-0.002	7.9	2.56
75.5	9.4	0.01	28.2					
580.800	106.0	-306.3	9.4	10.6	126.3	-0.006	7.8	2.57
75.5	8.6	0.01	28.4					

580.900	105.6	-306.3	9.5	10.6	127.6	-0.003	7.9	2.58
75.5	8.0	0.01 27.9						
581.000	106.0	-306.3	9.4	10.5	123.5	0.003	7.9	2.60
75.5	7.1	0.01 28.1						
581.100	106.7	-306.3	9.4	10.6	119.6	0.011	7.9	2.61
75.5	6.4	0.01 27.7						
581.200	107.4	-306.3	9.3	10.6	120.7	0.011	7.9	2.61
75.5	6.1	0.01 27.5						
581.300	108.4	-306.3	9.2	10.6	122.8	0.015	7.9	2.62
75.5	5.9	0.02 27.9						
581.400	108.5	-306.6	9.2	10.6	120.9	0.016	7.9	2.62
75.5	5.3	0.02 27.7						
581.500	107.9	-307.0	9.3	10.6	122.2	0.016	7.9	2.63
75.5	5.2	0.02 27.4						
581.600	107.0	-307.2	9.3	10.6	121.8	0.017	7.9	2.62
75.5	5.8	0.02 27.3						
581.700	106.4	-307.2	9.4	10.6	122.6	0.018	7.9	2.61
75.5	6.3	0.02 27.0						
581.800	106.6	-307.2	9.4	10.6	129.6	0.023	7.9	2.61
75.5	6.3	0.02 26.8						
581.900	105.6	-307.1	9.5	10.7	128.9	0.029	7.9	2.62
75.5	5.7	0.02 26.4						
582.000	106.2	-307.1	9.4	10.8	126.5	0.032	7.9	2.63
75.5	5.1	0.02 26.3						
582.100	106.0	-307.1	9.4	10.7	127.4	0.041	7.8	2.63
75.5	5.0	0.02 26.7						
582.200	106.6	-307.0	9.4	10.7	129.1	0.039	7.9	2.64
75.5	4.5	0.02 26.5						
582.300	105.7	-307.0	9.5	10.7	129.3	0.031	7.9	2.63
75.5	5.2	0.02 26.9						
582.400	105.9	-306.9	9.4	10.6	134.1	0.020	7.9	2.62
75.5	5.5	0.02 26.5						
582.500	106.2	-306.6	9.4	10.5	134.5	0.019	7.8	2.62
75.6	5.6	0.02 26.8						
582.600	107.3	-306.1	9.3	10.4	138.4	0.018	7.9	2.63
75.5	5.2	0.02 27.1						
582.700	108.1	-305.9	9.2	10.3	137.6	0.016	7.9	2.64
75.5	4.5	0.02 26.8						
582.800	108.4	-305.8	9.2	10.3	135.6	0.014	7.9	2.66
75.6	3.2	0.02 26.5						
582.900	108.0	-305.8	9.3	10.3	136.5	0.017	7.9	2.68
75.5	2.1	0.02 26.1						
583.000	107.7	-305.8	9.3	10.4	136.0	0.022	7.9	2.69
75.6	1.2	0.02 26.3						
583.100	108.1	-305.9	9.3	10.4	135.2	0.021	7.9	2.70
75.6	0.4	0.01 26.9						
583.200	108.5	-306.0	9.2	10.4	135.0	0.016	7.9	2.72
75.6	-0.6	0.02 26.9						
583.300	109.3	-306.2	9.2	10.4	126.3	0.018	7.9	2.72
75.6	-0.9	0.02 27.4						
583.400	109.3	-306.4	9.2	10.4	127.6	0.013	7.9	2.74
75.6	-1.8	0.02 29.0						
583.500	109.4	-306.6	9.1	10.3	128.5	0.017	7.9	2.73
75.6	-1.5	0.02 29.3						

583.600	109.4	-306.7	9.1	10.3	128.3	0.021	8.0	2.73
75.6	-1.3	0.02	28.7					
583.700	109.5	-306.8	9.1	10.3	133.0	0.025	7.9	2.72
75.6	-0.8	0.02	28.6					
583.800	109.9	-306.9	9.1	10.5	132.8	0.026	8.0	2.73
75.6	-1.1	0.02	28.1					
583.900	109.5	-307.0	9.1	10.5	131.9	0.025	7.9	2.71
75.6	-0.3	0.02	28.7					
584.000	109.8	-307.2	9.1	10.5	133.0	0.025	7.9	2.70
75.6	0.5	0.02	28.4					
584.100	110.0	-307.2	9.1	10.5	130.9	0.027	7.9	2.68
75.6	1.6	0.02	28.6					
584.200	110.6	-307.2	9.0	10.4	129.6	0.020	7.9	2.66
75.6	3.0	0.02	29.5					
584.300	111.0	-307.0	9.0	10.4	131.1	0.013	7.9	2.64
75.6	4.3	0.02	29.2					
584.400	112.3	-306.8	8.9	10.5	132.4	0.016	7.9	2.62
75.6	5.8	0.02	29.2					
584.500	112.1	-306.5	8.9	10.4	133.9	0.015	7.9	2.60
75.6	6.8	0.02	29.1					
584.600	112.5	-306.3	8.9	10.4	131.3	0.014	7.9	2.59
75.6	7.2	0.02	28.5					
584.700	111.7	-306.3	9.0	10.3	129.8	0.016	7.9	2.57
75.6	8.5	0.01	28.5					
584.800	112.1	-306.3	8.9	10.3	132.8	0.010	7.9	2.56
75.6	9.3	0.01	28.2					
584.900	113.0	-306.2	8.8	10.3	131.3	0.007	7.9	2.54
75.6	10.5	0.01	26.5					
585.000	112.7	-306.0	8.9	10.3	133.4	0.006	7.9	2.53
75.6	10.9	0.01	26.3					
585.100	113.5	-305.9	8.8	10.2	134.5	0.007	7.9	2.54
75.6	10.6	0.01	26.3					
585.200	113.3	-305.8	8.8	10.2	128.0	0.010	7.9	2.54
75.6	10.4	0.01	26.3					
585.300	114.0	-305.8	8.8	10.2	125.7	0.015	7.9	2.54
75.6	10.5	0.01	26.5					
585.400	114.1	-305.8	8.8	10.2	123.5	0.013	7.9	2.55
75.6	10.0	0.01	26.4					
585.500	113.3	-305.8	8.8	10.2	121.8	0.016	7.9	2.56
75.6	9.5	0.01	26.7					
585.600	112.9	-305.7	8.9	10.3	119.0	0.021	7.9	2.57
75.6	8.9	0.01	26.4					
585.700	112.0	-305.7	8.9	10.3	119.8	0.020	7.9	2.58
75.6	8.3	0.01	25.8					
585.800	112.5	-305.6	8.9	10.3	119.6	0.024	7.9	2.58
75.6	8.2	0.02	26.3					
585.900	112.1	-305.6	8.9	10.3	117.0	0.021	7.9	2.59
75.6	7.5	0.02	26.8					
586.000	112.1	-305.6	8.9	10.3	115.9	0.023	7.9	2.60
75.6	7.1	0.02	26.8					
586.100	112.0	-305.6	8.9	10.4	118.1	0.027	7.9	2.60
75.6	6.6	0.02	26.8					
586.200	112.1	-305.6	8.9	10.4	121.6	0.032	7.9	2.61
75.6	6.2	0.02	26.9					

586.300	111.4	-305.7	9.0	10.6	120.3	0.034	7.9	2.61
75.6	6.0	0.02 27.0						
586.400	109.9	-305.8	9.1	10.6	121.1	0.032	7.9	2.61
75.6	6.0	0.02 27.1						
586.500	109.3	-306.0	9.2	10.7	116.6	0.029	7.9	2.61
75.6	5.9	0.02 27.4						
586.600	108.4	-306.4	9.2	10.8	115.7	0.026	7.9	2.60
75.6	6.6	0.02 27.5						
586.700	108.1	-306.9	9.3	10.8	117.2	0.024	7.9	2.61
75.6	6.2	0.02 28.3						
586.800	107.5	-307.2	9.3	10.8	121.6	0.029	7.9	2.61
75.6	6.4	0.02 28.2						
586.900	107.2	-307.4	9.3	10.9	121.3	0.029	7.9	2.60
75.6	6.6	0.02 28.1						
587.000	106.6	-307.5	9.4	11.1	123.1	0.030	7.9	2.60
75.6	6.9	0.02 27.5						
587.100	106.0	-307.6	9.4	11.2	124.6	0.030	7.9	2.60
75.6	6.7	0.02 27.5						
587.200	105.5	-307.6	9.5	11.3	125.0	0.035	7.9	2.60
75.6	6.9	0.02 27.2						
587.300	105.0	-307.7	9.5	11.4	123.7	0.031	7.9	2.60
75.6	6.6	0.02 27.0						
587.400	104.9	-307.8	9.5	11.4	130.2	0.029	7.9	2.59
75.6	7.2	0.02 26.2						
587.500	103.9	-307.9	9.6	11.5	129.6	0.024	7.9	2.59
75.6	7.3	0.02 26.2						
587.600	103.5	-307.9	9.7	11.6	130.0	0.026	7.9	2.59
75.6	7.5	0.02 26.3						
587.700	103.1	-307.7	9.7	11.6	123.1	0.029	7.9	2.59
75.6	7.7	0.02 26.0						
587.800	103.5	-307.5	9.7	11.7	124.1	0.027	7.9	2.59
75.6	7.7	0.02 25.6						
587.900	103.3	-307.4	9.7	11.7	119.4	0.026	7.9	2.59
75.6	7.3	0.02 26.1						
588.000	102.3	-307.6	9.8	11.9	120.3	0.031	7.9	2.59
75.6	7.6	0.02 26.1						
588.100	101.8	-307.7	9.8	12.0	121.1	0.024	7.9	2.59
75.6	7.4	0.02 25.9						
588.200	101.5	-307.9	9.8	12.0	122.2	0.021	7.9	2.57
75.7	8.5	0.02 25.4						
588.300	102.1	-308.1	9.8	12.1	120.5	0.020	7.9	2.58
75.7	8.2	0.02 25.7						
588.400	102.1	-308.3	9.8	12.2	121.3	0.020	7.9	2.58
75.6	8.3	0.02 26.5						
588.500	101.7	-308.5	9.8	12.2	122.6	0.014	7.9	2.57
75.7	8.7	0.02 26.7						
588.600	102.1	-308.7	9.8	12.2	122.2	0.013	7.9	2.56
75.6	9.2	0.02 26.6						
588.700	103.1	-309.0	9.7	12.1	121.3	0.011	7.9	2.56
75.7	9.3	0.02 27.0						
588.800	103.9	-309.2	9.6	12.1	122.8	0.010	7.9	2.56
75.7	9.6	0.02 27.1						
588.900	104.1	-309.4	9.6	12.0	118.1	0.009	7.9	2.56
75.7	9.6	0.02 27.2						

589.000	103.6	-309.7	9.6	11.9	117.4	0.006	7.9	2.55
75.7	9.7	0.02 27.2						
589.100	103.9	-310.0	9.6	11.8	118.1	0.008	7.9	2.55
75.7	10.1	0.02 27.2						
589.200	104.0	-310.3	9.6	11.7	122.0	0.009	7.9	2.54
75.7	10.3	0.02 27.6						
589.300	104.6	-310.5	9.6	11.5	123.9	0.003	7.9	2.53
75.7	10.9	0.02 27.7						
589.400	104.9	-310.8	9.5	11.3	126.5	0.001	7.9	2.52
75.7	11.9	0.01 27.6						
589.500	105.3	-310.8	9.5	11.2	127.2	0.001	7.9	2.51
75.7	12.3	0.01 27.7						
589.600	104.9	-310.7	9.5	11.0	124.6	0.004	7.9	2.50
75.7	12.8	0.01 28.1						
589.700	104.6	-310.6	9.6	10.8	123.5	0.005	7.9	2.51
75.7	12.7	0.01 28.0						
589.800	104.2	-310.4	9.6	10.7	124.4	0.011	7.9	2.49
75.7	13.9	0.01 28.1						
589.900	104.1	-310.3	9.6	10.6	125.9	0.011	7.9	2.47
75.7	14.7	0.01 27.4						
590.000	104.2	-310.2	9.6	10.5	121.8	0.013	7.9	2.45
75.7	16.0	0.01 27.3						
590.100	104.5	-310.1	9.6	10.5	123.1	0.014	7.9	2.44
75.7	16.8	0.01 28.0						
590.200	105.3	-310.0	9.5	10.5	123.5	0.011	7.9	2.44
75.7	17.0	0.01 28.2						
590.300	105.6	-310.0	9.5	10.5	122.6	0.014	7.9	2.43
75.7	17.7	0.01 28.2						
590.400	105.4	-310.4	9.5	10.6	123.1	0.012	7.9	2.42
75.7	18.2	0.02 28.3						
590.500	104.9	-311.6	9.5	10.6	125.7	0.012	7.9	2.41
75.7	18.8	0.01 28.5						
590.600	104.8	-313.2	9.5	10.7	124.1	0.017	7.9	2.39
75.7	19.7	0.01 28.9						
590.700	105.4	-313.8	9.5	10.7	123.3	0.018	7.9	2.39
75.7	20.0	0.02 28.5						
590.800	105.7	-314.1	9.5	10.7	120.7	0.017	7.9	2.40
75.7	19.4	0.02 28.5						
590.900	106.0	-314.2	9.4	10.8	119.0	0.014	7.9	2.39
75.7	19.7	0.02 28.4						
591.000	105.4	-314.1	9.5	10.8	118.7	0.008	8.0	2.40
75.7	19.3	0.02 28.2						
591.100	106.0	-313.8	9.4	10.8	122.6	0.004	8.0	2.41
75.7	18.5	0.02 28.2						
591.200	106.2	-313.2	9.4	10.8	122.8	0.009	8.0	2.41
75.7	18.4	0.02 28.1						
591.300	107.0	-312.5	9.3	10.8	123.5	0.011	7.9	2.42
75.7	17.7	0.02 27.4						
591.400	108.0	-311.9	9.3	10.8	122.2	0.016	8.0	2.43
75.7	17.3	0.02 28.3						
591.500	108.3	-311.0	9.2	10.8	125.2	0.021	8.0	2.45
75.7	16.4	0.02 28.2						
591.600	108.2	-309.4	9.2	10.8	128.7	0.020	8.0	2.46
75.7	15.5	0.02 27.4						

591.700	107.7	-307.4	9.3	10.7	129.1	0.025	8.0	2.45
75.7	15.9	0.02	27.3					
591.800	108.3	-306.3	9.2	10.8	130.0	0.023	8.0	2.46
75.7	15.5	0.02	27.4					
591.900	108.2	-305.4	9.2	10.8	129.3	0.022	7.9	2.48
75.7	14.4	0.02	27.2					
592.000	107.8	-304.7	9.3	10.9	126.7	0.029	7.9	2.48
75.7	14.1	0.02	26.8					
592.100	106.3	-304.0	9.4	10.8	126.3	0.031	8.0	2.49
75.7	13.4	0.02	26.2					
592.200	106.8	-303.6	9.4	10.9	129.3	0.031	7.9	2.50
75.7	13.0	0.02	26.5					
592.300	106.7	-303.1	9.4	11.0	129.8	0.033	7.9	2.51
75.7	12.7	0.02	26.4					
592.400	107.8	-302.6	9.3	11.1	130.9	0.029	7.9	2.52
75.7	11.7	0.02	26.1					
592.500	106.8	-302.1	9.4	11.2	128.0	0.024	7.9	2.53
75.7	11.5	0.02	26.0					
592.600	106.1	-301.7	9.4	11.2	128.5	0.019	7.9	2.53
75.7	10.9	0.02	26.4					
592.700	105.1	-301.6	9.5	11.3	128.0	0.019	7.9	2.55
75.7	9.7	0.02	26.0					
592.800	105.4	-301.7	9.5	11.4	129.8	0.019	7.9	2.56
75.7	9.1	0.02	26.2					
592.900	105.5	-301.9	9.5	11.5	130.2	0.018	7.9	2.57
75.7	8.6	0.02	24.8					
593.000	104.8	-302.2	9.5	11.5	128.5	0.011	7.9	2.59
75.7	7.6	0.02	24.9					
593.100	103.8	-302.7	9.6	11.6	127.2	0.020	7.9	2.59
75.7	7.2	0.02	25.0					
593.200	103.1	-303.3	9.7	11.6	130.2	0.017	7.9	2.61
75.7	6.4	0.02	24.6					
593.300	103.1	-304.0	9.7	11.6	131.9	0.011	7.9	2.61
75.7	6.1	0.02	24.6					
593.400	103.0	-304.8	9.7	11.7	130.6	0.010	7.9	2.62
75.7	5.8	0.02	24.9					
593.500	103.2	-305.7	9.7	11.7	133.2	0.015	7.9	2.63
75.7	5.2	0.02	25.0					
593.600	102.7	-306.5	9.7	11.6	135.0	0.022	7.9	2.63
75.7	4.7	0.02	25.4					
593.700	102.4	-307.0	9.8	11.6	133.7	0.025	7.9	2.64
75.8	4.1	0.02	25.2					
593.800	102.1	-307.2	9.8	11.6	132.8	0.024	7.9	2.65
75.7	3.9	0.02	25.4					
593.900	102.4	-307.4	9.8	11.5	134.1	0.025	7.9	2.65
75.7	3.7	0.02	25.5					
594.000	102.1	-307.4	9.8	11.5	139.7	0.020	7.9	2.66
75.7	3.4	0.02	25.6					
594.100	101.9	-307.4	9.8	11.4	135.6	0.017	7.9	2.65
75.7	3.5	0.02	25.4					
594.200	101.4	-307.3	9.9	11.3	134.7	0.018	7.9	2.64
75.8	4.1	0.02	26.0					
594.300	101.3	-307.2	9.9	11.2	131.7	0.020	7.9	2.64
75.8	4.1	0.02	26.2					

594.400	100.8	-307.1	9.9	11.2	130.0	0.012	7.9	2.66
75.8	3.3	0.02 26.6						
594.500	100.7	-307.0	9.9	11.2	128.5	0.016	7.9	2.65
75.7	4.0	0.02 26.8						
594.600	100.7	-306.9	9.9	11.1	130.2	0.016	7.9	2.65
75.8	3.9	0.02 27.0						
594.700	101.6	-306.8	9.8	11.1	126.3	0.018	7.9	2.65
75.8	4.0	0.02 27.1						
594.800	102.1	-306.8	9.8	11.0	123.3	0.014	7.9	2.64
75.8	4.1	0.02 27.8						
594.900	103.7	-306.9	9.6	10.9	120.9	0.010	7.9	2.63
75.8	4.7	0.02 27.9						
595.000	104.0	-306.9	9.6	10.8	117.7	0.011	7.9	2.62
75.8	5.6	0.02 28.2						
595.100	105.1	-306.9	9.5	10.7	116.8	0.011	7.9	2.62
75.8	5.7	0.02 28.4						
595.200	105.1	-307.0	9.5	10.6	116.1	0.016	7.9	2.61
75.8	6.2	0.02 28.1						
595.300	105.1	-307.0	9.5	10.5	119.2	0.017	7.9	2.60
75.8	6.6	0.02 28.0						
595.400	105.0	-307.0	9.5	10.4	118.7	0.015	7.9	2.60
75.8	7.1	0.02 28.0						
595.500	105.2	-306.9	9.5	10.3	118.3	0.013	7.9	2.59
75.8	7.5	0.02 28.2						
595.600	107.1	-306.9	9.3	10.2	120.0	0.015	7.9	2.57
75.8	8.5	0.02 27.7						
595.700	108.2	-306.7	9.2	10.2	124.4	0.014	7.8	2.57
75.8	8.7	0.02 27.5						
595.800	109.6	-306.6	9.1	10.1	125.0	0.012	7.9	2.56
75.8	9.1	0.01 27.7						
595.900	110.1	-306.4	9.1	10.0	124.1	0.016	7.9	2.55
75.8	10.0	0.02 28.4						
596.000	110.5	-306.2	9.1	9.9	125.4	0.014	7.9	2.55
75.8	10.1	0.01 28.0						
596.100	110.1	-306.1	9.1	9.8	122.6	0.016	7.9	2.54
75.8	10.6	0.01 28.5						
596.200	110.2	-306.1	9.1	9.7	122.2	0.015	7.9	2.54
75.8	10.8	0.01 29.2						
596.300	111.1	-306.0	9.0	9.6	124.1	0.013	7.9	2.53
75.8	11.2	0.01 28.3						
596.400	113.2	-306.0	8.8	9.5	126.7	0.015	7.9	2.52
75.8	11.7	0.01 28.3						
596.500	114.5	-306.0	8.7	9.4	131.9	0.011	7.9	2.53
75.8	11.2	0.02 28.3						
596.600	115.4	-306.0	8.7	9.4	134.1	0.014	7.9	2.52
75.8	11.6	0.02 28.0						
596.700	115.6	-306.1	8.6	9.4	132.8	0.015	7.9	2.52
75.8	11.5	0.02 28.2						
596.800	116.4	-306.4	8.6	9.4	133.7	0.018	7.9	2.52
75.8	11.5	0.02 28.5						
596.900	117.8	-306.6	8.5	9.3	134.3	0.016	7.9	2.52
75.8	11.6	0.02 29.2						
597.000	119.2	-306.8	8.4	9.3	137.3	0.019	7.9	2.52
75.8	11.9	0.02 29.2						

597.100	120.1	-306.9	8.3	9.3	141.5	0.017	7.9	2.52
75.8	11.6	0.02	29.5					
597.200	120.7	-307.1	8.3	9.2	139.5	0.016	7.9	2.52
75.8	11.9	0.02	29.9					
597.300	120.9	-307.3	8.3	9.2	141.2	0.016	7.9	2.51
75.8	12.3	0.02	29.9					
597.400	121.7	-307.5	8.2	9.1	146.2	0.012	7.9	2.51
75.8	12.3	0.02	29.4					
597.500	122.2	-307.7	8.2	9.1	151.0	0.011	7.9	2.51
75.8	12.5	0.02	29.7					
597.600	123.6	-307.8	8.1	9.0	150.1	0.012	7.9	2.50
75.8	12.9	0.02	30.4					
597.700	125.3	-308.0	8.0	9.0	151.4	0.010	7.9	2.50
75.8	12.8	0.02	29.9					
597.800	126.5	-308.1	7.9	8.9	150.5	0.012	7.9	2.50
75.8	13.2	0.02	30.1					
597.900	126.6	-308.1	7.9	8.9	153.1	0.005	7.9	2.50
75.8	13.2	0.02	30.0					
598.000	126.0	-308.1	7.9	8.9	149.9	0.004	7.9	2.48
75.8	14.1	0.02	30.8					
598.100	127.0	-308.1	7.9	8.8	145.6	0.000	7.9	2.49
75.8	13.9	0.02	31.2					
598.200	127.7	-308.1	7.8	8.8	145.8	0.004	7.9	2.48
75.8	14.1	0.02	31.6					
598.300	128.4	-308.1	7.8	8.8	141.5	0.003	7.9	2.48
75.8	14.0	0.02	31.8					
598.400	128.3	-308.1	7.8	8.8	141.5	0.005	7.9	2.48
75.8	14.2	0.01	31.4					
598.500	129.1	-308.1	7.7	8.8	135.4	0.004	7.9	2.49
75.8	14.0	0.01	31.5					
598.600	130.4	-308.1	7.7	8.7	131.9	0.003	7.9	2.48
75.9	14.1	0.01	31.6					
598.700	131.5	-308.1	7.6	8.7	133.7	0.005	7.9	2.48
75.8	14.3	0.02	31.2					
598.800	132.5	-308.1	7.5	8.7	132.8	0.004	7.9	2.48
75.9	14.5	0.02	32.5					
598.900	132.5	-308.1	7.5	8.6	130.4	0.003	7.9	2.48
75.8	14.1	0.02	32.4					
599.000	132.2	-308.1	7.6	8.6	125.2	0.006	7.9	2.49
75.8	14.0	0.01	32.5					
599.100	132.2	-308.1	7.6	8.6	127.4	0.006	7.9	2.49
75.9	13.6	0.01	31.2					
599.200	133.0	-308.0	7.5	8.6	129.6	0.009	7.9	2.49
75.9	13.8	0.02	31.2					
599.300	133.9	-307.9	7.5	8.6	125.4	0.011	7.9	2.49
75.9	13.4	0.02	30.9					
599.400	133.7	-307.9	7.5	8.6	125.4	0.011	7.9	2.49
75.9	13.5	0.02	31.2					
599.500	132.8	-307.8	7.5	8.6	126.7	0.005	7.9	2.50
75.9	13.0	0.02	29.9					
599.600	132.2	-307.9	7.6	8.6	127.8	0.006	7.9	2.50
75.9	13.3	0.01	29.4					
599.700	131.7	-307.8	7.6	8.6	131.3	0.004	7.9	2.50
75.9	13.2	0.01	29.2					

599.800	132.1	-307.8	7.6	8.6	132.8	0.004	7.9	2.50
75.9	13.1	0.01	29.0					
599.900	131.7	-307.9	7.6	8.6	135.0	0.007	7.9	2.51
75.9	12.7	0.01	29.2					
600.000	131.7	-307.9	7.6	8.7	139.5	0.008	7.9	2.50
75.9	12.7	0.02	29.6					
600.100	131.1	-307.9	7.6	8.7	144.3	0.010	7.9	2.51
75.9	12.4	0.02	29.6					
600.200	131.7	-308.0	7.6	8.7	146.2	0.013	7.9	2.51
75.9	12.4	0.01	29.8					
600.300	132.2	-308.0	7.6	8.7	146.0	0.010	7.9	2.51
75.9	12.2	0.01	28.3					
600.400	132.3	-308.0	7.6	8.8	143.0	0.009	7.9	2.51
75.9	12.4	0.02	28.5					
600.500	132.5	-308.1	7.5	8.8	147.9	0.010	7.9	2.51
75.9	12.7	0.02	28.9					
600.600	131.5	-308.1	7.6	8.8	146.4	0.011	7.9	2.50
75.9	13.0	0.02	29.2					
600.700	131.3	-308.1	7.6	8.9	148.8	0.011	7.9	2.51
75.9	12.6	0.02	29.4					
600.800	130.4	-308.1	7.7	8.9	149.2	0.014	7.9	2.51
75.9	12.7	0.02	29.3					
600.900	130.6	-308.1	7.7	9.0	149.7	0.013	7.9	2.51
75.9	12.5	0.02	29.4					
601.000	130.0	-308.0	7.7	9.0	152.7	0.013	7.9	2.51
75.9	12.7	0.02	29.6					
601.100	128.5	-308.0	7.8	9.1	154.0	0.014	7.9	2.50
75.9	12.7	0.02	29.8					
601.200	127.0	-307.9	7.9	9.1	155.3	0.010	7.9	2.51
75.9	12.5	0.02	30.0					
601.300	125.8	-307.9	7.9	9.2	157.0	0.011	7.9	2.51
75.9	12.5	0.02	29.5					
601.400	124.6	-307.9	8.0	9.3	154.9	0.012	7.9	2.51
75.9	12.7	0.02	29.5					
601.500	123.2	-307.8	8.1	9.4	155.9	0.013	7.9	2.52
75.9	12.1	0.02	28.3					
601.600	122.0	-307.8	8.2	9.5	151.4	0.019	7.9	2.50
75.9	12.8	0.02	28.4					
601.700	120.5	-307.7	8.3	9.7	147.9	0.016	7.9	2.51
75.9	12.7	0.02	28.0					
601.800	119.5	-307.7	8.4	9.8	149.5	0.014	7.9	2.51
75.9	12.5	0.02	27.8					
601.900	118.5	-307.7	8.4	10.0	150.8	0.014	7.9	2.51
75.9	12.5	0.02	27.0					
602.000	118.6	-307.7	8.4	10.2	149.5	0.015	7.9	2.52
75.9	12.1	0.02	26.6					
602.100	118.2	-307.7	8.5	10.4	148.2	0.015	7.9	2.52
75.9	11.9	0.02	26.7					
602.200	117.1	-307.8	8.5	10.6	144.0	0.014	7.9	2.52
75.9	11.7	0.02	26.8					
602.300	115.6	-307.7	8.7	10.9	153.1	0.016	7.9	2.53
75.9	11.0	0.02	26.8					
602.400	114.2	-307.7	8.8	11.1	154.0	0.017	7.9	2.55
75.9	9.9	0.02	26.5					

602.500	112.8	-307.7	8.9	11.3	149.5	0.025	7.9	2.57
75.9	8.9	0.01 26.3						
602.600	111.7	-307.9	9.0	11.6	151.0	0.025	7.9	2.58
75.9	7.9	0.01 26.1						
602.700	110.6	-308.0	9.0	11.7	146.6	0.025	7.8	2.59
75.9	7.7	0.02 25.8						
602.800	110.0	-308.2	9.1	11.9	142.1	0.021	7.9	2.60
75.9	6.9	0.02 25.8						
602.900	108.4	-308.6	9.2	12.0	138.6	0.014	7.9	2.63
75.9	5.0	0.02 25.7						
603.000	106.3	-309.2	9.4	12.1	133.9	0.024	7.9	2.63
75.9	4.9	0.02 26.1						
603.100	104.9	-309.7	9.5	12.2	129.6	0.023	7.9	2.65
75.9	3.6	0.02 25.3						
603.200	103.6	-310.0	9.7	12.2	127.8	0.022	7.9	2.67
75.9	2.3	0.02 25.5						
603.300	103.3	-310.3	9.7	12.3	125.7	0.026	7.9	2.69
75.9	1.4	0.02 25.5						
603.400	101.6	-310.8	9.8	12.5	123.5	0.027	7.9	2.71
75.9	0.2	0.02 25.8						
603.500	100.8	-311.5	9.9	12.6	120.5	0.030	7.9	2.72
75.9	-0.4	0.02 25.7						
603.600	98.7	-312.0	10.1	12.8	122.2	0.031	7.9	2.74
75.9	-1.7	0.02 24.9						
603.700	97.5	-312.5	10.3	13.0	120.9	0.037	7.9	2.75
75.9	-2.6	0.02 24.5						
603.800	96.3	-313.0	10.4	13.2	114.6	0.035	7.9	2.75
75.9	-2.4	0.01 24.9						
603.900	95.7	-313.5	10.4	13.5	112.5	0.033	7.9	2.74
75.9	-1.7	0.01 24.8						
604.000	94.8	-313.8	10.6	13.8	113.3	0.031	7.9	2.73
75.9	-1.2	0.02 24.5						
604.100	93.6	-313.7	10.7	14.1	108.6	0.034	7.9	2.73
75.9	-1.1	0.02 24.3						
604.200	92.4	-313.7	10.8	14.5	108.8	0.038	7.9	2.73
75.9	-1.2	0.01 24.4						
604.300	91.8	-313.7	10.9	14.9	113.5	0.033	7.9	2.72
75.9	-0.4	0.01 24.4						
604.400	89.7	-313.7	11.2	15.2	114.4	0.034	7.9	2.69
76.0	1.5	0.01 24.2						
604.500	88.7	-313.6	11.3	15.4	112.3	0.032	7.9	2.68
75.9	2.1	0.01 24.4						
604.600	87.2	-313.3	11.5	15.6	115.7	0.029	7.9	2.67
76.0	2.6	0.01 24.9						
604.700	87.3	-313.2	11.5	15.7	115.3	0.028	7.9	2.66
75.9	3.3	0.02 24.9						
604.800	86.0	-312.9	11.6	15.8	114.0	0.028	7.9	2.65
76.0	3.6	0.01 25.0						
604.900	85.2	-312.6	11.7	15.8	114.6	0.029	7.8	2.64
75.9	4.5	0.01 24.9						
605.000	84.6	-312.3	11.8	15.7	114.4	0.023	7.9	2.63
76.0	5.0	0.01 24.9						
605.100	83.3	-312.0	12.0	15.6	114.8	0.016	7.8	2.61
76.0	5.9	0.01 25.2						

605.200	82.3	-311.9	12.2	15.7	111.0	0.015	7.9	2.60
76.0	7.0	0.01	25.5					
605.300	81.4	-311.8	12.3	15.7	111.8	0.013	7.8	2.60
76.0	6.9	0.01	25.5					
605.400	81.8	-311.8	12.2	15.7	110.1	0.013	7.9	2.60
76.0	6.7	0.01	25.3					
605.500	81.7	-311.7	12.2	15.8	106.2	0.010	7.9	2.60
76.0	6.9	0.01	25.3					
605.600	81.3	-311.8	12.3	15.8	111.8	0.007	7.9	2.60
76.0	6.7	0.01	25.5					
605.700	81.0	-311.7	12.3	15.9	109.9	0.011	7.9	2.60
76.0	6.6	0.01	25.4					
605.800	81.0	-311.7	12.3	16.0	107.3	0.014	7.9	2.61
76.0	6.3	0.01	25.5					
605.900	80.6	-311.6	12.4	16.1	107.7	0.013	7.9	2.61
76.0	6.1	0.01	25.1					
606.000	80.1	-311.6	12.5	16.2	110.1	0.010	7.9	2.62
76.0	5.6	0.01	24.5					
606.100	79.1	-311.5	12.6	16.3	108.6	0.012	7.9	2.62
76.0	5.5	0.01	24.2					
606.200	78.5	-311.5	12.7	16.5	106.8	0.010	7.9	2.62
76.0	5.4	0.01	23.8					
606.300	78.6	-311.5	12.7	16.5	106.4	0.012	7.9	2.61
76.0	6.3	0.01	23.9					
606.400	78.6	-311.5	12.7	16.8	109.0	0.011	7.9	2.61
76.0	6.2	0.01	24.1					
606.500	78.0	-311.5	12.8	16.9	112.5	0.013	7.9	2.61
76.0	6.2	0.01	23.8					
606.600	77.5	-311.5	12.9	17.0	111.6	0.016	7.9	2.61
76.0	6.0	0.01	23.4					
606.700	77.2	-311.5	13.0	17.2	113.8	0.016	7.9	2.61
76.0	6.0	0.01	23.2					
606.800	77.3	-311.5	12.9	17.2	113.8	0.016	7.9	2.60
76.0	6.5	0.01	22.8					
606.900	76.9	-311.5	13.0	17.3	116.4	0.016	7.9	2.60
76.0	6.9	0.01	22.9					
607.000	76.5	-311.5	13.1	17.4	121.1	0.011	7.9	2.59
76.0	7.2	0.01	22.8					
607.100	75.7	-311.6	13.2	17.4	118.1	0.010	7.9	2.58
76.0	8.1	0.01	22.6					
607.200	75.5	-311.6	13.2	17.4	118.5	0.011	7.9	2.57
76.0	8.5	0.01	22.7					
607.300	75.9	-311.6	13.2	17.4	116.6	0.012	7.9	2.57
76.0	8.4	0.01	22.5					
607.400	76.1	-311.6	13.2	17.3	118.3	0.009	7.9	2.57
76.0	8.7	0.01	22.9					
607.500	75.6	-311.6	13.2	17.3	115.3	0.008	7.8	2.57
76.0	8.9	0.02	23.3					
607.600	75.0	-311.7	13.3	17.4	113.1	0.007	7.9	2.56
76.0	9.1	0.02	23.8					
607.700	75.2	-311.7	13.3	17.4	115.7	0.008	7.9	2.55
76.0	10.0	0.02	24.0					
607.800	75.8	-311.8	13.2	17.5	114.8	0.005	7.9	2.55
76.0	10.1	0.02	23.7					

607.900	75.1	-311.9	13.3	17.5	112.9	0.004	7.9	2.54
76.0	10.3	0.02	23.5					
608.000	74.5	-312.0	13.4	17.5	111.6	0.003	7.9	2.54
76.0	10.4	0.02	23.7					
608.100	73.6	-312.1	13.6	17.6	108.1	0.002	7.9	2.54
76.0	10.6	0.02	23.7					
608.200	74.0	-312.2	13.5	17.7	108.4	0.002	7.9	2.54
76.0	10.5	0.02	24.0					
608.300	74.4	-312.4	13.4	17.9	106.0	0.003	7.9	2.55
76.0	10.0	0.02	24.0					
608.400	74.5	-312.6	13.4	18.0	104.5	0.006	7.9	2.54
76.0	10.4	0.02	23.9					
608.500	73.8	-312.8	13.6	18.1	101.7	0.008	7.9	2.55
76.0	9.7	0.02	24.0					
608.600	73.5	-312.9	13.6	18.3	98.2	0.010	7.8	2.56
76.0	9.5	0.02	24.3					
608.700	73.1	-313.1	13.7	18.4	99.5	0.010	7.9	2.55
76.0	9.8	0.02	23.9					
608.800	73.4	-313.4	13.6	18.4	100.4	0.008	7.9	2.54
76.0	10.3	0.02	23.8					
608.900	73.2	-313.7	13.7	18.4	99.1	0.003	7.9	2.54
76.0	10.3	0.02	24.2					
609.000	73.0	-313.9	13.7	18.4	101.7	0.003	7.9	2.54
76.0	10.6	0.01	24.0					
609.100	72.4	-314.2	13.8	18.4	103.8	0.007	7.9	2.54
76.0	10.5	0.01	23.9					
609.200	71.5	-314.3	14.0	18.3	104.7	0.007	7.9	2.55
76.0	9.9	0.01	23.5					
609.300	71.8	-314.6	13.9	18.1	103.8	0.005	7.9	2.55
76.0	9.9	0.01	23.7					
609.400	72.4	-314.8	13.8	18.0	103.6	0.005	7.9	2.56
76.0	9.6	0.01	23.9					
609.500	74.0	-314.8	13.5	18.0	103.6	0.008	7.9	2.55
76.0	9.6	0.01	23.8					
609.600	73.8	-314.8	13.6	17.8	107.1	0.009	7.9	2.55
76.0	9.7	0.01	24.1					
609.700	74.2	-314.9	13.5	17.7	107.5	0.007	7.9	2.55
76.0	9.8	0.01	24.0					
609.800	73.0	-314.9	13.7	17.4	112.7	0.007	7.9	2.55
76.0	10.0	0.01	23.9					
609.900	73.5	-314.8	13.6	17.3	111.4	0.004	7.9	2.56
76.0	9.3	0.01	24.1					
610.000	73.2	-314.6	13.7	17.2	109.7	0.007	7.9	2.56
76.0	9.5	0.01	24.4					
610.100	74.4	-314.5	13.4	17.2	112.5	0.008	7.9	2.55
76.0	9.8	0.01	24.0					
610.200	74.6	-314.3	13.4	17.1	110.7	0.010	7.9	2.56
76.0	9.6	0.01	24.3					
610.300	74.4	-314.1	13.4	17.0	113.5	0.011	7.9	2.56
76.0	9.0	0.01	24.5					
610.400	73.6	-313.9	13.6	16.9	112.7	0.011	7.9	2.57
76.0	8.9	0.01	24.3					
610.500	73.4	-313.5	13.6	16.8	110.1	0.013	7.9	2.57
76.0	8.9	0.01	24.3					

610.600	74.1	-313.4	13.5	16.8	107.1	0.014	7.9	2.56
76.0	9.3	0.01	24.2					
610.700	74.8	-313.3	13.4	16.7	106.0	0.015	7.9	2.56
76.0	9.5	0.01	24.6					
610.800	75.5	-313.1	13.2	16.5	109.0	0.011	7.9	2.56
76.0	9.3	0.02	24.8					
610.900	76.2	-312.9	13.1	16.2	109.2	0.011	7.9	2.56
76.0	9.2	0.02	24.9					
611.000	76.9	-312.7	13.0	16.3	106.0	0.016	7.8	2.57
76.0	8.9	0.02	24.5					
611.100	77.2	-312.5	13.0	16.3	106.4	0.019	7.8	2.57
76.0	8.7	0.02	24.5					
611.200	76.9	-312.5	13.0	16.1	106.4	0.020	7.9	2.57
76.1	8.4	0.02	24.3					
611.300	77.3	-312.5	12.9	16.0	101.2	0.017	7.8	2.58
76.0	8.3	0.02	24.2					
611.400	77.9	-312.4	12.8	15.8	103.6	0.016	7.8	2.58
76.1	8.4	0.02	24.3					
611.500	79.0	-312.3	12.7	15.6	105.8	0.014	7.8	2.58
76.0	8.3	0.02	24.3					
611.600	79.4	-312.3	12.6	15.4	106.0	0.011	7.8	2.59
76.0	7.5	0.02	24.5					
611.700	79.8	-312.1	12.5	15.1	103.8	0.009	7.9	2.59
76.0	7.2	0.02	24.6					
611.800	80.9	-311.9	12.4	14.7	101.7	0.007	7.8	2.60
76.1	6.6	0.02	24.5					
611.900	81.3	-311.8	12.3	14.6	101.7	0.012	7.8	2.62
76.1	5.7	0.02	24.5					
612.000	81.9	-311.8	12.2	14.4	100.1	0.017	7.8	2.63
76.1	4.8	0.02	24.7					
612.100	81.9	-311.7	12.2	14.2	102.7	0.025	7.9	2.65
76.1	3.9	0.02	24.6					
612.200	82.9	-311.7	12.1	14.1	100.4	0.025	7.8	2.66
76.1	3.1	0.02	24.0					
612.300	83.2	-311.7	12.0	14.0	100.1	0.022	7.8	2.68
76.1	2.1	0.02	24.0					
612.400	83.7	-312.1	11.9	13.9	99.3	0.024	7.8	2.67
76.1	2.2	0.02	23.7					
612.500	83.8	-312.6	11.9	13.8	101.2	0.023	7.8	2.67
76.1	2.6	0.02	24.2					
612.600	84.4	-312.4	11.8	13.7	99.9	0.025	7.8	2.67
76.1	2.5	0.02	23.7					
612.700	84.9	-312.3	11.8	13.7	96.5	0.030	7.8	2.67
76.1	2.5	0.02	23.9					
612.800	85.8	-312.2	11.7	13.7	95.6	0.036	7.8	2.66
76.1	2.9	0.02	24.0					
612.900	86.6	-312.1	11.6	13.9	93.4	0.038	7.9	2.67
76.1	2.8	0.02	23.8					
613.000	87.3	-312.2	11.5	13.9	93.9	0.040	7.8	2.66
76.1	3.1	0.02	24.3					
613.100	87.9	-312.2	11.4	13.8	92.8	0.040	7.8	2.65
76.1	3.8	0.02	24.5					
613.200	88.7	-312.4	11.3	13.7	94.9	0.033	7.9	2.66
76.1	3.3	0.02	24.2					

613.300	89.2	-312.8	11.2	13.6	94.7	0.032	7.8	2.64
76.1	4.1	0.02	24.2					
613.400	90.1	-312.9	11.1	13.5	96.9	0.025	7.9	2.63
76.1	5.1	0.02	24.1					
613.500	91.1	-312.2	11.0	13.4	99.9	0.022	7.8	2.62
76.1	5.9	0.02	23.5					
613.600	91.5	-311.6	10.9	13.2	101.0	0.019	7.9	2.61
76.1	6.5	0.02	23.6					
613.700	91.3	-311.5	10.9	13.0	107.5	0.014	7.9	2.60
76.1	6.9	0.02	24.0					
613.800	91.6	-311.5	10.9	12.9	106.8	0.013	7.9	2.58
76.1	8.0	0.02	24.1					
613.900	92.7	-311.6	10.8	12.8	109.9	0.010	7.9	2.57
76.1	8.4	0.02	24.1					
614.000	93.4	-311.9	10.7	12.6	113.1	0.006	7.9	2.57
76.1	8.4	0.02	24.2					
614.100	94.1	-311.8	10.6	12.5	111.0	0.002	7.9	2.57
76.1	8.4	0.02	24.6					
614.200	94.0	-312.0	10.6	12.3	112.0	0.004	7.9	2.57
76.1	8.7	0.02	24.5					
614.300	94.6	-311.8	10.6	12.2	116.8	0.003	7.9	2.57
76.1	8.6	0.02	25.1					
614.400	94.6	-311.3	10.6	12.1	118.3	0.003	7.9	2.57
76.1	8.8	0.02	25.2					
614.500	95.6	-310.7	10.5	12.1	118.3	0.005	7.9	2.57
76.1	8.9	0.02	24.6					
614.600	96.2	-310.6	10.4	12.2	120.7	-0.001	7.9	2.57
76.1	8.9	0.02	24.4					
614.700	96.3	-310.5	10.4	12.2	122.4	-0.001	7.9	2.56
76.1	9.6	0.02	24.3					
614.800	96.4	-310.5	10.4	12.2	123.1	0.000	7.8	2.56
76.1	9.5	0.02	24.5					
614.900	96.2	-310.4	10.4	12.1	121.1	0.002	7.9	2.56
76.1	9.5	0.02	24.7					
615.000	96.7	-310.2	10.3	12.2	121.6	0.001	7.9	2.56
76.1	9.5	0.01	25.1					
615.100	96.3	-309.7	10.4	12.1	120.7	0.002	7.9	2.55
76.1	9.9	0.02	24.7					
615.200	96.9	-309.6	10.3	12.1	117.2	0.001	7.9	2.55
76.1	10.1	0.02	24.9					
615.300	97.2	-309.1	10.3	12.1	117.9	0.003	7.9	2.55
76.1	9.8	0.02	24.9					
615.400	97.3	-309.0	10.3	12.1	117.4	0.004	7.9	2.55
76.1	9.9	0.02	24.8					
615.500	97.2	-309.1	10.3	12.0	114.2	0.002	7.9	2.55
76.1	9.8	0.02	25.2					
615.600	97.4	-309.1	10.3	12.0	119.4	0.001	7.9	2.55
76.1	10.1	0.02	25.2					
615.700	98.7	-309.1	10.1	12.0	123.3	0.002	7.9	2.55
76.1	10.1	0.02	25.1					
615.800	98.6	-309.0	10.1	12.0	119.8	0.003	7.8	2.55
76.2	9.8	0.02	24.8					
615.900	98.4	-308.8	10.2	12.0	118.7	0.010	7.9	2.55
76.1	10.1	0.02	24.8					

616.000	98.2	-308.9	10.2	11.9	117.2	0.009	7.9	2.54
76.1	10.5	0.02	24.8					
616.100	98.7	-308.9	10.1	11.9	116.8	0.007	7.9	2.54
76.1	10.5	0.02	24.6					
616.200	99.1	-308.9	10.1	11.9	114.2	0.006	7.9	2.55
76.1	10.1	0.02	26.7					
616.300	98.7	-308.9	10.1	11.9	112.5	0.012	7.9	2.54
76.2	10.3	0.01	26.7					
616.400	98.4	-308.9	10.2	11.8	115.9	0.013	7.9	2.55
76.1	10.1	0.02	26.5					
616.500	98.2	-308.8	10.2	11.8	120.3	0.017	7.9	2.54
76.2	10.3	0.02	27.0					
616.600	98.0	-308.8	10.2	11.8	120.5	0.015	7.9	2.55
76.1	9.9	0.02	27.5					
616.700	99.0	-308.8	10.1	11.8	122.2	0.016	7.9	2.55
76.2	9.9	0.02	27.5					
616.800	99.0	-308.9	10.1	11.7	122.0	0.018	7.9	2.55
76.2	10.2	0.01	27.3					
616.900	99.3	-309.0	10.1	11.7	123.3	0.019	7.9	2.55
76.2	9.8	0.01	27.8					
617.000	98.7	-309.0	10.1	11.7	122.6	0.019	7.9	2.55
76.2	9.7	0.01	27.8					
617.100	99.6	-309.0	10.0	11.6	119.6	0.019	7.9	2.56
76.2	9.5	0.01	28.3					
617.200	99.9	-309.0	10.0	11.7	117.4	0.013	7.8	2.56
76.2	9.6	0.01	28.5					
617.300	100.5	-309.0	9.9	11.7	118.1	0.014	7.9	2.55
76.2	10.0	0.01	28.8					
617.400	100.2	-308.9	10.0	11.6	120.3	0.018	7.9	2.55
76.2	9.7	0.01	28.6					
617.500	99.8	-308.9	10.0	11.7	122.8	0.018	7.9	2.56
76.2	9.1	0.01	28.3					
617.600	99.2	-308.9	10.1	11.7	122.0	0.012	7.9	2.57
76.2	8.9	0.01	28.8					
617.700	98.9	-308.9	10.1	11.7	126.7	0.013	7.9	2.57
76.2	8.9	0.02	27.3					
617.800	98.4	-308.8	10.2	11.7	127.2	0.014	7.9	2.56
76.2	9.0	0.02	27.3					
617.900	98.4	-308.7	10.2	11.7	125.2	0.015	7.9	2.57
76.2	8.7	0.01	27.6					
618.000	98.2	-308.8	10.2	11.7	123.5	0.015	7.9	2.57
76.2	8.5	0.01	27.4					
618.100	98.1	-308.9	10.2	11.8	124.6	0.017	7.9	2.57
76.2	8.8	0.01	27.3					
618.200	97.9	-309.1	10.2	11.7	122.8	0.017	7.9	2.58
76.2	8.3	0.01	27.0					
618.300	97.6	-309.1	10.3	11.8	122.8	0.021	7.8	2.58
76.2	8.3	0.01	27.1					
618.400	97.9	-309.2	10.2	11.8	120.7	0.020	7.9	2.58
76.2	8.3	0.01	26.5					
618.500	97.9	-309.2	10.2	11.8	119.2	0.020	7.9	2.58
76.2	8.4	0.01	26.4					
618.600	97.8	-309.3	10.2	11.8	119.8	0.022	7.9	2.57
76.2	8.9	0.01	25.6					

618.700	98.2	-309.3	10.2	11.9	120.7	0.021	7.9	2.57
76.2	8.5	0.01 25.9						
618.800	98.7	-309.4	10.1	12.0	122.8	0.022	7.9	2.58
76.2	8.0	0.01 25.2						
618.900	98.6	-309.5	10.1	12.0	119.0	0.026	7.9	2.58
76.2	8.4	0.01 25.3						
619.000	98.3	-309.5	10.2	12.1	120.5	0.020	7.9	2.58
76.2	8.3	0.01 25.3						
619.100	97.6	-309.7	10.2	12.1	120.9	0.017	7.9	2.58
76.2	7.9	0.01 25.1						
619.200	97.5	-309.9	10.3	12.1	117.2	0.019	7.9	2.58
76.2	8.1	0.01 24.8						
619.300	96.9	-309.5	10.3	12.1	118.5	0.019	7.9	2.59
76.2	7.3	0.01 25.2						
619.400	96.8	-309.2	10.3	12.0	118.1	0.020	7.9	2.59
76.2	7.6	0.01 24.9						
619.500	97.5	-308.9	10.3	12.0	115.1	0.020	7.9	2.59
76.2	7.4	0.01 24.5						
619.600	98.1	-308.6	10.2	12.0	114.0	0.016	7.9	2.60
76.2	7.1	0.01 24.4						
619.700	99.2	-308.3	10.1	12.0	113.8	0.016	7.9	2.59
76.2	7.2	0.01 24.7						
619.800	99.1	-308.2	10.1	12.0	111.6	0.020	7.9	2.60
76.2	6.9	0.01 24.7						
619.900	99.4	-308.1	10.1	12.0	115.5	0.020	7.9	2.60
76.2	6.9	0.02 25.1						
620.000	98.6	-307.9	10.1	12.1	120.3	0.020	7.9	2.60
76.2	6.7	0.01 25.0						
620.100	98.2	-307.6	10.2	12.1	119.2	0.020	7.9	2.61
76.2	6.3	0.02 25.2						
620.200	97.6	-307.2	10.2	12.1	117.9	0.017	7.9	2.61
76.2	6.5	0.01 25.1						
620.300	97.8	-306.7	10.2	12.2	114.6	0.019	7.9	2.60
76.2	6.9	0.01 25.9						
620.400	98.3	-306.7	10.2	12.2	119.0	0.018	7.9	2.61
76.2	6.4	0.01 25.5						
620.500	98.0	-306.7	10.2	12.3	117.0	0.021	7.9	2.61
76.2	6.4	0.01 26.1						
620.600	97.8	-306.8	10.2	12.4	118.3	0.021	7.9	2.60
76.2	7.1	0.02 26.3						
620.700	96.8	-306.8	10.3	12.4	122.0	0.015	7.9	2.59
76.2	7.2	0.02 26.1						
620.800	96.7	-306.8	10.3	12.4	125.2	0.016	7.9	2.59
76.2	7.6	0.02 26.1						
620.900	96.1	-307.0	10.4	12.5	125.7	0.018	7.9	2.59
76.2	7.7	0.02 26.3						
621.000	96.4	-307.6	10.4	12.5	122.8	0.017	7.9	2.58
76.2	7.9	0.02 26.4						
621.100	96.6	-307.6	10.3	12.5	124.1	0.012	7.9	2.58
76.2	7.9	0.02 26.5						
621.200	96.8	-307.5	10.3	12.5	122.0	0.013	7.9	2.58
76.2	8.2	0.02 26.5						
621.300	96.5	-307.5	10.4	12.5	127.2	0.014	7.9	2.57
76.2	8.6	0.02 26.9						

621.400	95.9	-307.6	10.4	12.7	125.2	0.013	7.9	2.57
76.2	8.4	0.02	27.0					
621.500	95.2	-307.6	10.5	12.7	122.2	0.014	7.9	2.57
76.2	8.6	0.02	27.0					
621.600	94.6	-307.7	10.6	12.8	122.6	0.017	7.9	2.57
76.2	9.0	0.02	26.9					
621.700	94.3	-307.7	10.6	12.9	123.1	0.019	7.9	2.56
76.2	9.2	0.02	26.6					
621.800	94.3	-307.8	10.6	12.9	123.9	0.013	7.9	2.56
76.2	9.3	0.02	26.5					
621.900	93.8	-307.9	10.7	13.1	122.8	0.012	7.9	2.55
76.2	9.7	0.02	27.1					
622.000	93.1	-307.7	10.7	13.1	121.8	0.014	7.9	2.55
76.2	10.2	0.02	26.3					
622.100	91.6	-307.1	10.9	13.1	122.0	0.012	7.9	2.54
76.2	10.4	0.02	26.3					
622.200	91.1	-307.2	11.0	13.2	120.7	0.010	7.9	2.53
76.2	11.0	0.02	26.5					
622.300	90.4	-307.4	11.1	13.4	114.8	0.011	7.9	2.53
76.2	11.2	0.02	26.1					
622.400	90.4	-307.6	11.1	13.8	114.8	0.013	7.9	2.52
76.2	11.6	0.02	25.6					
622.500	89.2	-307.8	11.2	14.0	116.8	0.014	7.9	2.52
76.3	12.0	0.02	25.5					
622.600	88.4	-308.3	11.3	14.3	116.8	0.012	7.9	2.51
76.2	12.5	0.02	25.1					
622.700	87.8	-308.8	11.4	14.6	118.7	0.011	7.9	2.51
76.2	12.7	0.02	24.6					
622.800	87.8	-309.4	11.4	14.9	114.8	0.007	7.8	2.51
76.3	12.6	0.02	24.1					
622.900	87.2	-310.2	11.5	15.3	107.7	0.004	7.9	2.50
76.3	13.0	0.02	23.5					
623.000	86.3	-311.7	11.6	15.7	108.6	0.004	7.9	2.49
76.3	13.4	0.02	23.2					
623.100	84.5	-313.7	11.8	15.8	108.1	0.003	7.9	2.49
76.3	13.5	0.01	22.8					
623.200	83.6	-315.6	12.0	16.0	109.4	0.001	7.9	2.50
76.3	13.1	0.02	22.5					
623.300	83.0	-317.6	12.0	16.3	106.8	0.002	7.9	2.50
76.3	13.0	0.02	21.9					
623.400	82.8	-319.3	12.1	16.5	104.7	0.003	7.9	2.50
76.3	12.9	0.01	21.7					
623.500	82.2	-320.7	12.2	16.8	106.0	0.003	7.9	2.51
76.3	12.4	0.02	22.0					
623.600	81.4	-322.1	12.3	16.9	103.4	0.002	7.9	2.52
76.3	12.0	0.02	21.6					
623.700	81.0	-323.3	12.3	17.0	99.1	0.001	7.9	2.53
76.3	11.4	0.02	21.4					
623.800	80.3	-324.3	12.5	17.2	101.9	0.001	7.9	2.53
76.3	11.2	0.02	21.0					
623.900	79.2	-325.1	12.6	17.3	100.6	0.002	7.8	2.53
76.3	11.0	0.02	21.1					
624.000	77.7	-325.8	12.9	17.6	100.6	0.006	7.9	2.53
76.3	11.0	0.02	21.2					

624.100	76.3	-325.6	13.1	17.7	98.4	0.005	7.9	2.54
76.3	10.5	0.02	21.3					
624.200	75.5	-325.1	13.2	17.8	97.5	0.007	7.9	2.54
76.3	10.6	0.02	21.7					
624.300	74.8	-324.5	13.4	18.2	98.4	0.007	7.9	2.54
76.3	10.6	0.02	21.5					
624.400	74.3	-323.7	13.5	18.4	105.8	0.008	7.9	2.54
76.3	10.5	0.02	21.5					
624.500	72.9	-322.9	13.7	18.6	104.5	0.008	7.9	2.55
76.3	10.1	0.02	21.7					
624.600	72.8	-322.4	13.7	19.1	104.9	0.009	7.9	2.55
76.3	10.1	0.02	21.7					
624.700	72.4	-321.8	13.8	19.4	104.9	0.009	7.9	2.55
76.3	10.2	0.02	21.9					
624.800	72.5	-321.1	13.8	19.9	107.1	0.008	7.9	2.54
76.3	10.5	0.02	21.9					
624.900	71.1	-320.5	14.1	20.4	107.7	0.006	7.9	2.54
76.3	10.6	0.02	21.2					
625.000	70.6	-320.1	14.2	20.6	108.1	0.004	7.8	2.54
76.3	10.7	0.02	20.9					
625.100	69.5	-319.7	14.4	20.8	108.4	0.004	7.9	2.54
76.3	10.7	0.01	20.8					
625.200	69.0	-319.3	14.5	21.0	109.2	0.001	7.8	2.53
76.3	11.2	0.01	20.4					
625.300	68.1	-318.9	14.7	21.1	111.2	-0.001	7.9	2.53
76.3	11.5	0.01	20.1					
625.400	68.0	-318.6	14.7	21.2	109.9	0.001	7.9	2.53
76.3	11.4	0.01	19.7					
625.500	67.8	-318.2	14.7	21.2	112.0	-0.002	7.9	2.53
76.3	11.1	0.01	19.7					
625.600	67.7	-318.0	14.8	21.1	111.2	-0.003	7.9	2.53
76.3	10.9	0.01	19.7					
625.700	67.2	-318.1	14.9	21.3	110.3	-0.000	7.9	2.55
76.3	10.2	0.01	19.6					
625.800	66.6	-318.3	15.0	21.3	111.2	0.001	7.9	2.55
76.3	10.1	0.01	19.6					
625.900	66.4	-318.2	15.1	21.3	106.8	-0.003	7.9	2.55
76.3	10.0	0.01	19.8					
626.000	66.1	-318.2	15.1	21.0	106.6	-0.006	7.9	2.55
76.3	10.2	0.01	19.7					
626.100	66.8	-318.5	15.0	20.9	104.0	-0.005	7.9	2.56
76.3	9.4	0.02	19.9					
626.200	66.7	-318.4	15.0	20.8	101.9	-0.003	7.9	2.57
76.3	8.7	0.02	20.2					
626.300	66.7	-318.2	15.0	20.9	102.7	0.004	7.8	2.58
76.3	8.2	0.02	20.5					
626.400	66.7	-318.3	15.0	20.8	103.2	0.004	7.9	2.59
76.3	7.7	0.01	20.9					
626.500	66.7	-318.6	15.0	20.9	101.0	0.004	7.9	2.58
76.3	8.0	0.02	21.3					
626.600	66.5	-319.1	15.0	21.0	101.0	0.004	7.9	2.59
76.3	7.6	0.02	21.6					
626.700	65.6	-319.7	15.2	21.2	99.5	0.009	7.9	2.60
76.3	7.0	0.02	22.3					

626.800	64.5	-320.6	15.5	21.4	93.9	0.014	7.9	2.60
76.3	6.9	0.02 22.6						
626.900	64.3	-321.6	15.6	21.4	96.2	0.013	7.9	2.59
76.3	7.4	0.02 22.6						
627.000	63.6	-322.8	15.7	21.1	94.5	0.009	7.9	2.59
76.3	7.5	0.02 22.8						
627.100	64.3	-323.7	15.5	21.1	94.7	0.008	7.8	2.59
76.3	7.6	0.02 22.9						
627.200	63.5	-324.2	15.8	21.4	94.7	0.012	7.9	2.57
76.3	8.4	0.02 22.7						
627.300	62.8	-324.8	15.9	21.6	91.1	0.014	7.9	2.57
76.3	8.4	0.02 22.8						
627.400	62.5	-325.4	16.0	22.2	91.1	0.016	7.8	2.58
76.3	8.2	0.01 22.5						
627.500	62.0	-325.9	16.1	22.5	86.5	0.017	7.9	2.58
76.3	8.3	0.01 22.3						
627.600	61.9	-326.2	16.2	22.8	88.0	0.012	7.9	2.56
76.3	9.2	0.01 22.2						
627.700	61.1	-326.6	16.4	23.5	88.9	0.011	7.9	2.55
76.3	10.1	0.01 21.5						
627.800	60.9	-327.1	16.4	24.0	86.9	0.012	7.9	2.54
76.3	10.7	0.01 21.4						
627.900	60.2	-326.8	16.6	24.3	84.4	0.012	7.9	2.53
76.3	11.1	0.01 21.3						
628.000	59.8	-326.5	16.7	24.7	82.8	0.009	7.9	2.54
76.3	10.8	0.01 21.0						
628.100	59.7	-326.2	16.8	24.7	81.5	0.007	7.9	2.53
76.3	11.0	0.01 20.5						
628.200	59.9	-326.2	16.7	25.1	83.3	0.010	7.9	2.52
76.4	11.6	0.01 20.2						
628.300	59.5	-326.4	16.8	25.5	84.6	0.014	7.9	2.53
76.3	11.5	0.01 19.8						
628.400	59.7	-326.9	16.7	25.7	82.2	0.015	7.9	2.54
76.3	10.6	0.01 19.8						
628.500	59.8	-327.3	16.7	26.3	82.2	0.016	7.8	2.54
76.4	10.7	0.01 19.5						
628.600	60.7	-327.8	16.5	26.5	82.2	0.015	7.9	2.53
76.3	11.0	0.01 19.0						
628.700	60.7	-328.4	16.5	26.6	83.9	0.011	7.9	2.54
76.4	10.5	0.02 19.3						
628.800	60.7	-328.7	16.5	26.8	87.4	0.011	7.9	2.54
76.4	10.3	0.02 19.3						
628.900	59.5	-329.0	16.8	26.8	83.9	0.013	7.8	2.54
76.3	10.8	0.02 19.1						
629.000	59.4	-329.4	16.8	26.9	88.7	0.014	7.9	2.54
76.4	10.8	0.02 19.3						
629.100	59.0	-329.6	17.0	27.3	89.5	0.014	7.9	2.54
76.4	10.5	0.02 18.9						
629.200	59.2	-329.8	16.9	27.2	89.1	0.016	7.9	2.54
76.4	10.6	0.02 19.4						
629.300	59.1	-329.9	16.9	27.3	90.2	0.013	7.9	2.54
76.4	10.5	0.02 19.2						
629.400	58.8	-329.9	17.0	27.5	88.5	0.008	7.9	2.54
76.4	10.6	0.02 19.3						

629.500	58.7	-329.9	17.0	27.5	87.4	0.006	7.9	2.53
76.4	10.9	0.02	19.3					
629.600	57.6	-329.9	17.4	27.5	88.2	0.006	7.8	2.53
76.4	11.4	0.02	19.9					
629.700	56.7	-329.7	17.7	27.6	86.3	0.004	7.9	2.53
76.4	11.2	0.02	19.8					
629.800	56.7	-329.6	17.7	27.4	89.3	0.006	7.8	2.52
76.4	11.6	0.02	20.4					
629.900	56.0	-329.5	17.9	27.7	89.3	0.006	7.9	2.52
76.4	11.9	0.02	21.0					
630.000	55.9	-329.3	17.9	27.6	86.3	0.012	7.8	2.52
76.4	12.0	0.02	21.3					
630.100	55.3	-329.1	18.1	27.4	90.0	0.010	7.9	2.51
76.4	12.2	0.02	21.5					
630.200	55.3	-329.1	18.1	27.2	88.2	0.006	7.8	2.51
76.4	12.4	0.02	21.1					
630.300	54.9	-329.0	18.2	27.3	85.4	0.008	7.9	2.51
76.4	12.7	0.02	21.0					
630.400	53.6	-328.9	18.6	27.1	91.7	0.007	7.8	2.51
76.4	12.2	0.02	21.2					
630.500	53.2	-329.0	18.8	26.7	90.8	0.007	7.9	2.51
76.4	12.3	0.02	21.6					
630.600	53.1	-328.9	18.8	26.1	90.0	0.009	7.8	2.51
76.4	12.7	0.02	21.5					
630.700	53.2	-328.8	18.8	25.7	90.4	0.011	7.9	2.51
76.4	12.5	0.02	21.3					
630.800	53.4	-328.4	18.7	25.4	89.1	0.011	7.8	2.51
76.4	12.7	0.02	21.6					
630.900	52.3	-328.1	19.2	25.2	91.3	0.007	7.9	2.51
76.4	12.7	0.02	21.6					
631.000	52.0	-327.7	19.2	24.6	94.3	0.008	7.8	2.51
76.4	12.7	0.02	21.8					
631.100	51.6	-327.1	19.4	24.3	93.4	0.005	7.9	2.51
76.4	12.4	0.02	21.7					
631.200	51.9	-326.5	19.3	23.9	95.6	0.007	7.8	2.51
76.4	12.4	0.02	21.9					
631.300	51.8	-326.0	19.3	24.1	92.1	0.003	7.8	2.51
76.4	12.2	0.02	21.4					
631.400	52.1	-325.7	19.2	23.9	96.0	0.005	7.9	2.51
76.4	12.6	0.02	21.4					
631.500	53.0	-325.2	18.9	23.7	99.9	0.007	7.8	2.50
76.4	12.8	0.02	21.2					
631.600	53.7	-324.7	18.6	23.6	98.6	0.003	7.9	2.51
76.4	12.4	0.02	21.2					
631.700	54.2	-324.3	18.5	23.4	97.3	0.004	7.8	2.51
76.4	12.5	0.02	21.1					
631.800	54.6	-323.9	18.3	23.2	98.6	0.005	7.9	2.51
76.4	12.4	0.02	21.2					
631.900	55.9	-323.5	17.9	23.1	97.8	0.007	7.8	2.50
76.4	13.0	0.02	21.0					
632.000	56.5	-323.3	17.7	22.4	97.8	0.006	7.8	2.50
76.4	13.0	0.02	21.2					
632.100	57.2	-323.2	17.5	22.1	98.8	0.005	7.9	2.50
76.4	13.0	0.02	22.2					

632.200	58.0	-323.6	17.3	21.8	101.4	0.007	7.8	2.50
76.4	12.9	0.02 22.3						
632.300	60.3	-324.0	16.6	21.5	106.8	0.007	7.9	2.51
76.4	12.6	0.02 22.3						
632.400	62.3	-324.1	16.1	21.1	109.0	0.007	7.8	2.51
76.4	12.6	0.02 22.0						
632.500	63.8	-324.2	15.7	20.7	107.7	0.007	7.9	2.51
76.4	12.4	0.02 21.9						
632.600	64.4	-324.3	15.5	20.2	108.1	0.008	7.8	2.51
76.4	12.3	0.02 22.1						
632.700	66.3	-324.3	15.1	19.5	108.4	0.005	7.9	2.51
76.4	12.2	0.02 22.1						
632.800	68.5	-324.3	14.6	19.1	111.0	0.005	7.8	2.52
76.4	11.6	0.02 22.7						
632.900	70.6	-324.2	14.2	18.4	111.8	0.009	7.9	2.54
76.4	10.8	0.02 22.6						
633.000	72.6	-323.9	13.8	17.6	114.2	0.012	7.9	2.54
76.4	10.7	0.02 22.8						
633.100	74.5	-323.5	13.4	16.8	113.8	0.008	7.9	2.54
76.4	10.3	0.01 23.1						
633.200	76.3	-323.0	13.1	16.0	117.4	0.005	7.9	2.55
76.5	10.0	0.01 23.7						
633.300	78.6	-322.0	12.7	15.3	120.0	0.005	7.9	2.56
76.4	9.2	0.01 23.9						
633.400	79.9	-321.0	12.5	14.7	119.2	0.009	7.9	2.58
76.5	8.3	0.01 24.1						
633.500	81.5	-320.4	12.3	14.0	120.9	0.011	7.9	2.58
76.5	7.9	0.01 24.0						
633.600	82.3	-319.5	12.1	13.5	122.2	0.008	7.9	2.59
76.5	7.2	0.01 23.7						
633.700	84.2	-318.1	11.9	13.0	123.1	0.010	7.9	2.61
76.5	6.4	0.01 24.0						
633.800	86.1	-316.6	11.6	12.6	118.5	0.013	7.9	2.61
76.5	6.0	0.01 24.1						
633.900	88.1	-315.0	11.4	12.2	115.1	0.013	7.9	2.62
76.5	5.5	0.01 25.4						
634.000	89.5	-313.5	11.2	11.8	115.3	0.015	7.9	2.63
76.5	5.1	0.01 25.5						
634.100	90.6	-312.3	11.0	11.5	120.0	0.021	7.9	2.63
76.5	4.8	0.01 25.7						
634.200	92.3	-311.1	10.8	11.2	122.2	0.019	7.9	2.63
76.5	4.8	0.01 26.1						
634.300	92.9	-309.8	10.8	11.1	123.9	0.014	7.9	2.63
76.5	4.8	0.01 26.0						
634.400	94.9	-308.7	10.5	10.9	120.5	0.015	7.8	2.63
76.5	4.7	0.01 26.3						
634.500	95.3	-307.7	10.5	10.8	119.4	0.018	7.9	2.66
76.5	3.3	0.01 27.1						
634.600	96.8	-306.5	10.3	10.7	122.8	0.026	7.9	2.67
76.5	2.5	0.01 27.6						
634.700	97.9	-305.4	10.2	10.6	121.8	0.025	7.9	2.68
76.5	1.7	0.01 27.4						
634.800	99.2	-304.8	10.1	10.5	120.0	0.029	7.9	2.68
76.5	1.8	0.01 28.0						

634.900	100.3	-304.5	10.0	10.4	122.8	0.031	7.9	2.68
76.5	1.6	0.01	28.0					
635.000	100.6	-304.3	9.9	10.3	120.7	0.029	7.9	2.68
76.5	1.9	0.02	27.9					
635.100	101.5	-303.9	9.9	10.3	120.0	0.022	7.9	2.68
76.5	1.7	0.02	27.9					
635.200	102.7	-303.8	9.7	10.3	117.0	0.024	7.9	2.69
76.5	1.5	0.02	27.8					
635.300	104.3	-303.8	9.6	10.2	119.8	0.029	7.9	2.69
76.5	1.0	0.02	28.0					
635.400	105.6	-303.8	9.5	10.2	119.4	0.030	7.9	2.69
76.5	1.5	0.02	27.2					
635.500	107.2	-303.9	9.3	10.2	121.8	0.030	7.9	2.68
76.5	2.0	0.02	27.3					
635.600	108.4	-304.1	9.2	10.2	115.7	0.032	7.9	2.67
76.5	2.4	0.02	27.2					
635.700	110.1	-304.5	9.1	10.2	115.5	0.032	7.9	2.67
76.5	2.3	0.02	26.7					
635.800	111.6	-305.4	9.0	10.2	111.2	0.030	7.9	2.67
76.5	2.3	0.02	26.9					
635.900	113.0	-306.0	8.8	10.2	111.6	0.024	7.9	2.66
76.5	3.0	0.02	26.5					
636.000	114.1	-306.5	8.8	10.3	111.0	0.022	7.9	2.64
76.5	4.1	0.02	25.8					
636.100	114.7	-307.1	8.7	10.3	106.2	0.018	7.9	2.63
76.5	5.1	0.02	25.1					
636.200	116.2	-308.3	8.6	10.4	107.3	0.017	7.9	2.62
76.5	5.7	0.02	25.2					
636.300	117.2	-309.0	8.5	10.4	106.0	0.016	7.9	2.61
76.5	6.2	0.02	25.0					
636.400	118.4	-309.6	8.4	10.4	101.4	0.018	7.9	2.60
76.5	6.7	0.02	25.0					
636.500	118.5	-310.3	8.4	10.4	101.4	0.015	7.9	2.60
76.5	6.9	0.02	25.3					
636.600	118.6	-310.8	8.4	10.3	101.0	0.007	7.9	2.60
76.5	7.1	0.02	25.5					
636.700	119.2	-311.3	8.4	10.2	104.0	0.002	7.9	2.58
76.5	7.8	0.02	25.4					
636.800	119.7	-311.6	8.4	10.2	102.5	0.001	7.9	2.58
76.5	8.4	0.02	25.3					
636.900	119.9	-311.7	8.3	10.1	106.8	0.001	7.9	2.58
76.5	8.0	0.02	25.5					
637.000	119.5	-312.0	8.4	10.0	110.7	0.006	7.9	2.59
76.5	7.6	0.02	25.6					
637.100	119.2	-312.2	8.4	10.0	115.9	0.007	7.9	2.60
76.5	7.1	0.02	25.4					
637.200	119.0	-312.1	8.4	10.0	114.6	0.008	7.9	2.60
76.5	6.8	0.02	26.1					
637.300	119.2	-311.8	8.4	10.0	118.7	0.009	7.9	2.60
76.5	6.7	0.02	25.9					
637.400	119.1	-311.8	8.4	10.0	120.9	0.011	7.9	2.61
76.5	6.3	0.02	26.3					
637.500	118.1	-311.8	8.5	10.0	121.1	0.014	7.9	2.61
76.5	6.1	0.02	26.5					

637.600	116.8	-311.8	8.6	10.0	124.6	0.015	7.9	2.61
76.5	6.2	0.02 26.5						
637.700	115.7	-311.9	8.6	10.0	124.6	0.014	7.9	2.61
76.5	6.3	0.02 26.7						
637.800	115.5	-312.0	8.7	10.0	125.4	0.015	7.9	2.62
76.5	5.8	0.02 26.5						
637.900	114.9	-311.9	8.7	10.0	129.6	0.021	7.9	2.62
76.5	5.3	0.02 26.3						
638.000	114.4	-311.6	8.7	10.0	128.3	0.021	7.9	2.64
76.5	4.5	0.01 26.2						
638.100	113.8	-311.4	8.8	10.0	130.2	0.022	7.9	2.64
76.5	4.5	0.01 25.9						
638.200	113.7	-311.4	8.8	10.1	127.6	0.023	7.9	2.63
76.5	4.8	0.01 26.1						
638.300	112.5	-311.4	8.9	10.1	128.5	0.019	7.9	2.63
76.5	4.9	0.01 26.4						
638.400	112.4	-311.5	8.9	10.1	129.6	0.018	7.9	2.63
76.5	4.7	0.02 26.3						
638.500	111.5	-311.5	9.0	10.2	123.9	0.021	7.9	2.63
76.5	4.9	0.01 26.4						
638.600	111.7	-311.5	9.0	10.3	121.8	0.021	7.9	2.63
76.5	5.2	0.02 26.4						
638.700	110.8	-311.3	9.0	10.4	121.8	0.020	7.9	2.62
76.5	5.3	0.02 26.1						
638.800	110.4	-311.1	9.1	10.4	118.7	0.022	7.9	2.62
76.5	5.4	0.02 26.1						
638.900	109.4	-310.8	9.1	10.5	116.1	0.022	7.9	2.62
76.5	5.8	0.02 26.1						
639.000	108.5	-310.6	9.2	10.6	113.8	0.023	7.9	2.62
76.5	5.7	0.02 25.9						
639.100	107.9	-310.5	9.3	10.7	110.7	0.024	7.9	2.62
76.5	5.5	0.02 25.6						
639.200	107.5	-310.4	9.3	10.8	110.1	0.020	7.9	2.62
76.5	5.6	0.02 25.3						
639.300	107.1	-310.3	9.3	10.8	113.5	0.019	7.9	2.61
76.6	6.0	0.02 25.5						
639.400	106.9	-310.1	9.4	10.9	115.7	0.019	7.9	2.61
76.5	6.3	0.02 25.6						
639.500	106.3	-310.0	9.4	11.0	119.2	0.017	7.9	2.61
76.6	6.4	0.01 25.8						
639.600	106.2	-309.8	9.4	11.0	118.7	0.020	7.9	2.60
76.6	7.0	0.01 25.9						
639.700	105.5	-309.7	9.5	11.1	119.6	0.017	7.9	2.60
76.6	6.8	0.01 26.3						
639.800	105.3	-309.7	9.5	11.1	119.2	0.011	7.9	2.59
76.6	7.3	0.01 26.1						
639.900	104.7	-309.6	9.6	11.3	117.7	0.007	7.9	2.59
76.6	7.4	0.01 26.0						
640.000	104.5	-309.6	9.6	11.3	119.8	0.008	7.9	2.60
76.6	7.1	0.01 25.8						
640.100	104.3	-309.6	9.6	11.4	121.1	0.007	7.9	2.60
76.6	7.1	0.01 25.6						
640.200	104.1	-309.6	9.6	11.5	122.8	0.007	7.9	2.60
76.6	7.0	0.01 25.6						

640.300	103.1	-309.6	9.7	11.6	124.4	0.009	7.9	2.60
76.6	6.8	0.01	25.6					
640.400	102.3	-309.6	9.8	11.7	126.5	0.009	7.9	2.61
76.6	6.5	0.01	25.5					
640.500	101.9	-309.6	9.8	11.8	125.0	0.010	7.9	2.60
76.6	6.8	0.02	25.6					
640.600	100.8	-309.7	9.9	11.8	125.4	0.009	7.9	2.61
76.6	6.4	0.02	26.0					
640.700	99.9	-309.9	10.0	11.9	126.3	0.009	7.9	2.61
76.6	5.9	0.01	25.9					
640.800	99.1	-310.4	10.1	11.9	127.8	0.012	7.9	2.62
76.6	5.7	0.02	25.9					
640.900	99.8	-310.6	10.0	11.9	122.6	0.010	7.9	2.62
76.6	5.9	0.02	25.9					
641.000	100.4	-310.7	10.0	11.9	122.4	0.010	7.9	2.61
76.6	6.0	0.02	26.3					
641.100	100.7	-310.9	9.9	12.0	118.5	0.012	7.9	2.61
76.6	6.2	0.02	26.4					
641.200	100.2	-311.1	10.0	12.0	119.0	0.012	7.9	2.61
76.6	6.2	0.02	26.1					
641.300	100.1	-311.3	10.0	12.1	118.5	0.010	7.9	2.63
76.6	5.2	0.02	26.1					
641.400	99.9	-311.4	10.0	12.1	117.4	0.012	7.9	2.62
76.6	5.3	0.02	26.0					
641.500	100.5	-311.6	10.0	12.1	114.4	0.011	7.9	2.62
76.6	5.8	0.02	26.4					
641.600	100.3	-311.8	10.0	12.2	111.0	0.011	7.9	2.61
76.6	6.0	0.02	26.7					
641.700	99.1	-311.9	10.1	12.1	109.7	0.009	7.9	2.61
76.6	6.3	0.02	26.8					
641.800	98.0	-312.0	10.2	12.1	109.7	0.010	7.9	2.60
76.6	6.8	0.02	26.8					
641.900	97.6	-311.7	10.2	12.1	109.4	0.011	7.9	2.59
76.6	7.4	0.02	28.3					
642.000	98.9	-311.8	10.1	12.0	112.0	0.010	7.9	2.58
76.6	7.8	0.02	28.5					
642.100	100.2	-312.1	10.0	11.9	113.5	0.006	7.9	2.58
76.6	8.3	0.02	28.4					
642.200	101.5	-312.3	9.9	11.8	108.4	0.010	7.9	2.56
76.6	9.2	0.02	28.6					
642.300	102.7	-312.5	9.7	11.7	104.5	0.012	7.9	2.55
76.6	9.6	0.02	28.7					
642.400	103.7	-312.8	9.6	11.6	105.3	0.012	7.9	2.56
76.6	9.6	0.02	29.1					
642.500	105.8	-313.2	9.5	11.4	107.3	0.016	7.9	2.54
76.6	10.6	0.02	28.2					
642.600	106.9	-313.6	9.4	11.2	109.0	0.013	7.9	2.55
76.6	10.2	0.02	27.8					
642.700	108.3	-314.0	9.2	11.0	107.7	0.009	7.9	2.55
76.6	10.2	0.02	27.7					
642.800	108.7	-314.6	9.2	10.8	107.3	0.009	7.9	2.53
76.6	11.0	0.02	28.9					
642.900	110.3	-315.2	9.1	10.6	111.4	0.011	7.9	2.54
76.6	10.7	0.02	29.4					

643.000	110.5	-315.9	9.1	10.3	112.3	0.016	7.9	2.53
76.6	11.3	0.02	29.8					
643.100	110.2	-316.8	9.1	10.1	116.1	0.012	7.9	2.52
76.6	11.9	0.02	31.7					
643.200	109.9	-317.7	9.1	9.9	114.4	0.009	7.9	2.50
76.6	12.8	0.02	32.1					
643.300	110.0	-318.7	9.1	9.7	111.8	0.009	7.9	2.48
76.6	14.4	0.02	33.8					
643.400	110.9	-320.0	9.0	9.5	107.7	0.009	7.9	2.46
76.6	15.7	0.02	33.0					
643.500	109.8	-321.5	9.1	9.4	108.6	0.008	7.9	2.43
76.6	17.4	0.02	33.8					
643.600	109.5	-323.4	9.1	9.4	105.5	0.013	7.9	2.39
76.6	20.1	0.02	33.8					
643.700	108.3	-325.6	9.2	9.4	103.8	0.013	7.9	2.34
76.6	23.1	0.02	34.1					
643.800	108.1	-328.1	9.3	9.4	100.1	0.009	7.9	2.27
76.6	27.1	0.02	34.3					
643.900	107.7	-331.0	9.3	9.5	98.8	0.008	7.9	2.20
76.6	31.6	0.02	35.9					
644.000	107.5	-334.6	9.3	9.7	93.7	0.004	7.9	2.14
76.6	35.1	0.02	38.1					
644.100	108.4	-338.5	9.2	9.9	88.7	0.001	8.0	2.07
76.6	39.6	0.02	38.7					
644.200	109.6	-343.5	9.1	10.2	83.5	-0.006	8.0	2.00
76.6	43.8	0.02	39.0					
644.300	111.8	-350.2	8.9	10.6	79.4	-0.015	8.0	1.94
76.6	47.8	0.02	39.3					
644.400	112.6	-357.5	8.9	10.9	71.6	-0.017	8.1	1.87
76.6	52.2	0.02	39.6					
644.500	114.0	-365.3	8.8	11.2	67.7	-0.018	8.0	1.82
76.6	55.0	0.02	39.4					
644.600	114.0	-373.4	8.8	11.3	64.2	-0.023	8.0	1.79
76.6	57.2	0.02	37.9					
644.700	114.9	-381.4	8.7	11.3	64.5	-0.025	8.0	1.76
76.6	58.7	0.01	39.1					
644.800	115.4	-389.3	8.7	11.2	65.8	-0.032	8.0	1.76
76.6	59.0	0.01	38.2					
644.900	116.0	-397.0	8.6	11.0	73.1	-0.041	8.0	1.76
76.7	58.9	0.01	37.6					
645.000	116.2	-404.6	8.6	10.8	72.7	-0.047	7.9	1.78
76.6	57.6	0.01	37.2					
645.100	116.0	-412.1	8.6	10.5	75.5	-0.047	7.9	1.82
76.7	55.4	0.02	37.0					
645.200	115.6	-419.0	8.7	10.2	81.3	-0.045	7.9	1.86
76.6	52.5	0.01	36.6					
645.300	115.6	-423.3	8.7	10.1	88.7	-0.041	7.9	1.92
76.7	48.8	0.01	36.4					
645.400	115.7	-424.2	8.6	10.0	93.0	-0.038	7.9	1.99
76.7	44.9	0.01	34.6					
645.500	115.4	-423.3	8.7	9.9	98.2	-0.034	7.9	2.06
76.7	40.6	0.01	32.9					
645.600	116.0	-419.3	8.6	9.9	106.2	-0.028	7.9	2.13
76.7	36.3	0.01	32.8					

645.700	116.0	-412.8	8.6	10.0	111.8	-0.020	7.9	2.19
76.7 32.2	0.02 32.3							
645.800	116.3	-405.2	8.6	10.4	120.9	-0.015	7.9	2.25
76.7 28.5	0.02 31.4							
645.900	115.5	-396.7	8.7	10.9	128.3	-0.011	7.9	2.31
76.6 24.8	0.01 31.7							
646.000	114.2	-387.4	8.8	11.5	137.1	-0.007	7.9	2.37
76.7 21.3	0.02 31.3							
646.100	113.6	-377.4	8.8	12.1	139.7	0.001	7.9	2.41
76.7 18.8	0.02 31.8							
646.200	111.8	-366.7	8.9	12.7	142.1	0.006	7.9	2.44
76.7 16.7	0.02 30.1							
646.300	110.2	-355.8	9.1	13.2	148.6	0.011	7.9	2.46
76.7 15.7	0.02 29.2							
646.400	108.1	-346.1	9.3	13.6	148.2	0.010	7.9	2.48
76.7 14.2	0.02 29.1							
646.500	106.0	-338.0	9.4	13.8	152.0	0.012	7.9	2.49
76.7 13.6	0.02 28.8							
646.600	104.3	-330.8	9.6	13.8	156.8	0.012	7.9	2.50
76.7 13.3	0.01 29.5							
646.700	101.6	-325.8	9.8	13.7	158.8	0.012	7.9	2.50
76.7 13.2	0.02 29.5							
646.800	100.2	-322.8	10.0	13.5	155.3	0.013	7.9	2.50
76.7 12.9	0.02 29.5							
646.900	98.2	-320.5	10.2	13.4	154.2	0.012	7.9	2.51
76.7 12.2	0.02 29.5							
647.000	97.5	-318.9	10.3	13.3	155.1	0.009	7.9	2.51
76.7 12.5	0.02 29.0							
647.100	95.7	-317.6	10.4	13.2	159.6	0.006	7.9	2.51
76.7 12.4	0.02 28.6							
647.200	95.1	-316.6	10.5	13.0	159.2	0.005	7.9	2.51
76.7 12.3	0.02 28.3							
647.300	94.9	-315.8	10.5	12.9	159.0	0.006	7.9	2.52
76.7 12.0	0.02 27.9							
647.400	95.5	-315.1	10.5	12.9	157.7	0.003	7.9	2.52
76.7 11.9	0.02 27.0							
647.500	95.5	-314.5	10.5	12.8	154.9	0.003	7.9	2.52
76.7 11.7	0.02 27.1							
647.600	96.0	-313.8	10.4	12.8	154.9	0.004	7.9	2.53
76.7 11.1	0.02 26.2							
647.700	95.4	-313.1	10.5	12.9	160.1	0.008	7.9	2.53
76.7 11.1	0.02 26.9							
647.800	94.9	-312.4	10.5	12.9	155.9	0.005	7.9	2.55
76.7 10.0	0.02 27.0							
647.900	94.2	-311.8	10.6	13.0	154.2	0.006	7.9	2.56
76.7 9.6	0.02 27.1							
648.000	93.4	-311.1	10.7	13.1	151.2	0.008	7.9	2.57
76.7 8.8	0.02 26.9							
648.100	92.7	-310.3	10.8	13.2	149.5	0.012	7.9	2.58
76.7 8.2	0.02 26.9							
648.200	91.2	-309.7	11.0	13.3	149.2	0.013	7.9	2.58
76.7 7.8	0.02 26.9							
648.300	90.3	-309.1	11.1	13.3	151.4	0.012	7.9	2.58
76.7 7.8	0.02 26.9							

648.400	89.9	-308.5	11.1	13.3	153.1	0.013	7.9	2.59
76.7	7.6	0.02 26.7						
648.500	89.3	-307.9	11.2	13.4	149.7	0.014	7.9	2.60
76.7	7.0	0.02 27.9						
648.600	89.3	-307.4	11.2	13.5	147.3	0.017	7.9	2.61
76.7	6.3	0.02 28.1						
648.700	89.0	-307.1	11.2	13.5	147.7	0.019	7.9	2.61
76.7	6.1	0.02 28.4						
648.800	89.2	-306.9	11.2	13.7	150.3	0.020	7.9	2.61
76.7	5.9	0.02 28.5						
648.900	89.0	-306.7	11.2	13.7	149.7	0.021	7.9	2.61
76.7	6.2	0.02 28.6						
649.000	88.8	-306.6	11.3	13.8	149.7	0.019	7.9	2.61
76.7	6.4	0.02 28.5						
649.100	88.6	-306.5	11.3	14.0	149.5	0.023	7.9	2.60
76.7	6.8	0.02 28.3						
649.200	89.1	-306.4	11.2	14.1	147.3	0.022	7.9	2.61
76.7	6.4	0.02 27.5						
649.300	88.8	-306.4	11.3	14.1	148.4	0.021	7.9	2.60
76.7	6.9	0.02 27.6						
649.400	87.9	-306.4	11.4	14.2	151.0	0.016	7.9	2.59
76.7	7.5	0.02 27.8						
649.500	86.5	-306.4	11.6	14.2	152.0	0.013	7.9	2.58
76.7	8.3	0.02 27.9						
649.600	86.0	-306.5	11.6	14.3	150.8	0.012	7.9	2.56
76.7	9.5	0.02 28.2						
649.700	85.7	-306.5	11.7	14.4	149.2	0.009	7.9	2.54
76.7	10.4	0.02 28.6						
649.800	85.0	-306.6	11.8	14.5	146.6	0.006	7.9	2.52
76.7	11.5	0.02 28.8						
649.900	83.9	-306.7	11.9	14.6	147.3	0.002	7.9	2.50
76.7	13.3	0.02 29.6						
650.000	82.9	-306.8	12.1	14.6	146.9	-0.005	7.9	2.46
76.8	15.7	0.02 30.0						
650.100	81.9	-306.9	12.2	14.7	143.8	-0.009	7.9	2.41
76.7	18.4	0.02 30.3						
650.200	81.5	-307.1	12.3	14.7	142.3	-0.011	7.9	2.37
76.8	20.9	0.02 30.8						
650.300	81.6	-307.1	12.3	14.8	134.5	-0.002	7.9	2.31
76.7	24.6	0.02 31.6						
650.400	82.2	-307.3	12.2	14.8	132.2	-0.002	7.9	2.26
76.8	28.1	0.02 31.7						
650.500	81.9	-307.4	12.2	15.0	127.0	-0.000	7.9	2.19
76.7	32.2	0.02 31.6						
650.600	81.9	-307.5	12.2	15.2	123.5	-0.002	7.9	2.13
76.8	35.8	0.02 32.6						
650.700	82.6	-307.7	12.1	15.5	119.2	-0.001	7.9	2.08
76.8	39.4	0.02 33.5						
650.800	83.8	-308.0	11.9	15.6	115.9	-0.001	7.9	2.03
76.8	42.4	0.02 33.8						
650.900	84.7	-308.2	11.8	15.8	112.9	-0.002	7.9	1.99
76.8	45.0	0.02 35.4						
651.000	85.1	-308.6	11.7	15.9	110.1	-0.003	8.0	1.95
76.8	47.2	0.02 35.4						

651.100	85.3	-309.2	11.7	16.0	105.8	-0.005	7.9	1.93
76.8	48.4	0.01 34.9						
651.200	85.8	-310.1	11.7	15.9	108.6	-0.009	7.9	1.92
76.8	48.8	0.01 34.9						
651.300	86.7	-311.0	11.5	15.7	116.8	-0.010	7.9	1.93
76.8	48.3	0.01 34.8						
651.400	87.8	-312.0	11.4	15.5	113.8	-0.009	7.9	1.95
76.8	47.1	0.01 34.6						
651.500	88.6	-312.9	11.3	15.2	116.4	-0.011	7.9	1.98
76.8	45.3	0.01 33.7						
651.600	89.2	-313.7	11.2	14.9	114.6	-0.018	7.9	2.02
76.8	43.1	0.01 33.7						
651.700	89.3	-314.4	11.2	14.4	117.4	-0.018	7.9	2.05
76.8	40.9	0.01 33.5						
651.800	90.1	-314.8	11.1	13.9	122.6	-0.018	7.9	2.10
76.8	37.6	0.01 32.7						
651.900	91.5	-314.9	10.9	13.5	125.2	-0.016	7.9	2.17
76.8	33.5	0.01 32.3						
652.000	93.1	-314.8	10.7	13.1	129.6	-0.012	8.0	2.24
76.8	29.4	0.01 33.0						
652.100	94.1	-314.6	10.6	12.7	135.2	-0.010	8.0	2.29
76.8	25.9	0.01 32.5						
652.200	94.0	-314.1	10.6	12.3	139.9	-0.009	7.9	2.35
76.8	22.6	0.01 31.7						
652.300	94.0	-313.4	10.6	12.1	144.5	-0.001	7.9	2.40
76.8	19.2	0.01 31.1						
652.400	93.9	-312.6	10.6	12.0	145.6	0.006	7.9	2.45
76.8	16.3	0.01 29.4						
652.500	94.2	-311.8	10.6	11.9	147.7	0.012	7.9	2.48
76.8	14.0	0.01 29.1						
652.600	94.3	-311.0	10.6	11.8	151.6	0.015	7.9	2.51
76.8	12.6	0.01 29.0						
652.700	94.9	-310.4	10.5	11.8	155.3	0.016	7.9	2.53
76.8	11.4	0.01 28.9						
652.800	95.9	-309.9	10.4	11.8	149.0	0.017	7.9	2.53
76.8	11.1	0.01 28.6						
652.900	96.8	-309.6	10.3	11.7	154.2	0.015	7.9	2.53
76.8	11.0	0.01 28.3						
653.000	96.7	-309.5	10.3	11.7	154.2	0.012	7.9	2.54
76.8	10.8	0.01 27.9						
653.100	96.1	-309.6	10.4	11.6	158.1	0.012	7.9	2.54
76.8	10.8	0.02 27.6						
653.200	95.3	-309.8	10.5	11.5	161.6	0.011	7.9	2.54
76.8	10.7	0.01 27.6						
653.300	95.2	-310.0	10.5	11.5	162.4	0.006	7.9	2.54
76.8	10.3	0.01 28.0						
653.400	94.6	-310.3	10.6	11.4	162.6	0.011	7.9	2.54
76.8	10.6	0.02 28.0						
653.500	95.7	-310.7	10.5	11.4	166.5	0.014	7.9	2.54
76.8	10.3	0.01 27.4						
653.600	96.2	-311.0	10.4	11.4	169.1	0.013	7.9	2.56
76.8	9.6	0.02 27.2						
653.700	96.4	-311.4	10.4	11.4	168.7	0.014	7.9	2.55
76.8	9.7	0.02 27.3						

653.800	96.4	-311.7	10.4	11.4	163.5	0.010	8.0	2.55
76.8	9.9	0.02 27.4						
653.900	95.9	-311.9	10.4	11.4	163.7	0.010	7.9	2.55
76.8	10.0	0.02 27.3						
654.000	96.8	-311.9	10.3	11.5	163.7	0.012	7.9	2.55
76.8	9.9	0.02 27.5						
654.100	96.7	-311.8	10.3	11.5	161.8	0.013	7.9	2.56
76.8	9.2	0.02 27.3						
654.200	97.3	-311.6	10.3	11.6	154.9	0.017	7.9	2.57
76.8	8.9	0.02 27.7						
654.300	97.4	-311.4	10.3	11.7	153.1	0.020	7.9	2.57
76.8	8.5	0.02 27.7						
654.400	98.4	-311.1	10.2	11.8	150.5	0.021	7.9	2.58
76.8	7.9	0.02 27.9						
654.500	98.8	-310.6	10.1	11.8	152.0	0.023	7.9	2.58
76.8	7.8	0.02 27.8						
654.600	99.9	-310.1	10.0	11.8	152.0	0.023	7.9	2.58
76.8	8.0	0.02 28.0						
654.700	100.1	-309.5	10.0	11.9	150.3	0.016	7.9	2.59
76.8	7.7	0.02 28.0						
654.800	100.8	-308.8	9.9	12.0	146.4	0.013	7.9	2.59
76.8	7.4	0.02 27.8						
654.900	100.7	-308.3	9.9	12.0	149.5	0.016	7.9	2.60
76.8	7.1	0.02 27.8						
655.000	101.4	-307.9	9.9	12.0	146.0	0.014	7.9	2.60
76.8	6.7	0.02 27.6						
655.100	101.1	-307.5	9.9	12.0	144.9	0.019	7.9	2.61
76.8	6.3	0.02 27.9						
655.200	100.8	-307.2	9.9	12.0	142.3	0.025	7.9	2.62
76.8	5.7	0.02 27.7						
655.300	100.6	-306.9	9.9	12.1	145.6	0.026	7.9	2.62
76.8	5.7	0.02 27.8						
655.400	101.3	-306.6	9.9	12.1	144.7	0.025	7.9	2.62
76.9	5.6	0.02 28.8						
655.500	102.3	-306.3	9.8	12.1	147.3	0.021	7.9	2.62
76.8	5.4	0.02 28.9						
655.600	102.4	-306.1	9.8	12.1	147.9	0.021	7.9	2.61
76.8	6.0	0.02 28.8						
655.700	102.4	-306.0	9.8	12.1	152.3	0.018	7.9	2.61
76.9	6.2	0.02 28.0						
655.800	101.7	-305.8	9.8	12.1	154.9	0.018	7.9	2.61
76.9	6.3	0.02 28.2						
655.900	101.4	-305.7	9.9	12.1	157.9	0.021	7.9	2.60
76.9	7.0	0.02 27.5						
656.000	100.7	-305.5	9.9	12.1	159.2	0.022	7.9	2.59
76.8	7.4	0.02 27.6						
656.100	101.0	-305.4	9.9	12.1	161.8	0.021	7.9	2.59
76.9	7.3	0.02 27.4						
656.200	100.3	-305.3	10.0	12.2	162.6	0.019	7.9	2.59
76.9	7.4	0.02 27.0						
656.300	100.0	-305.2	10.0	12.2	163.9	0.019	7.9	2.58
76.9	8.1	0.02 27.0						
656.400	98.9	-305.2	10.1	12.2	160.7	0.020	7.9	2.57
76.9	8.5	0.02 26.9						

656.500	98.7	-305.2	10.1	12.3	159.4	0.016	7.9	2.56
76.9	9.0	0.02	27.0					
656.600	98.4	-305.1	10.2	12.3	158.5	0.015	7.9	2.55
76.9	10.2	0.02	26.6					
656.700	98.3	-305.1	10.2	12.2	159.8	0.015	7.9	2.54
76.9	10.6	0.02	26.5					
656.800	97.8	-305.0	10.2	12.1	159.6	0.015	7.9	2.53
76.9	10.9	0.02	26.4					
656.900	97.2	-304.9	10.3	12.0	156.6	0.012	7.9	2.54
76.9	10.7	0.02	25.3					
657.000	97.1	-304.8	10.3	11.9	154.2	0.016	7.9	2.53
76.9	10.9	0.02	25.3					
657.100	97.2	-304.8	10.3	11.8	153.3	0.016	7.9	2.54
76.9	10.8	0.02	26.1					
657.200	97.5	-304.8	10.3	11.7	151.8	0.014	7.9	2.53
76.9	10.9	0.02	26.1					
657.300	97.2	-304.8	10.3	11.5	150.8	0.017	7.9	2.53
76.9	11.1	0.02	26.0					
657.400	97.5	-304.8	10.3	11.4	146.0	0.018	7.9	2.53
76.9	11.3	0.01	26.8					
657.500	97.2	-304.8	10.3	11.3	145.8	0.014	7.9	2.54
76.9	10.6	0.01	26.8					
657.600	97.1	-304.8	10.3	11.2	142.3	0.017	7.9	2.54
76.9	10.4	0.01	26.7					
657.700	97.2	-304.8	10.3	11.1	141.5	0.015	7.9	2.54
76.9	10.7	0.01	26.9					
657.800	97.6	-305.0	10.2	11.0	143.2	0.013	7.9	2.53
76.9	10.9	0.01	26.8					
657.900	98.3	-305.1	10.2	11.0	145.3	0.011	7.9	2.53
76.9	10.9	0.01	26.9					
658.000	99.0	-305.2	10.1	11.1	147.9	0.011	7.9	2.53
76.9	11.3	0.01	27.1					
658.100	99.1	-305.4	10.1	11.1	146.4	0.012	7.9	2.53
76.9	11.0	0.01	27.6					
658.200	99.5	-305.5	10.0	11.1	144.3	0.013	7.9	2.54
76.9	10.8	0.01	27.6					
658.300	99.8	-305.5	10.0	11.1	147.3	0.010	7.9	2.54
76.9	10.4	0.01	28.0					
658.400	101.0	-305.6	9.9	11.1	150.8	0.009	7.9	2.54
76.9	10.8	0.02	28.4					
658.500	101.1	-305.7	9.9	11.1	151.2	0.006	7.9	2.54
76.9	10.8	0.02	28.3					
658.600	101.6	-305.8	9.8	11.1	155.5	0.004	7.9	2.54
76.9	10.5	0.02	28.0					
658.700	102.1	-305.8	9.8	11.0	157.2	0.005	7.9	2.54
76.9	10.4	0.02	27.9					
658.800	102.6	-305.7	9.7	11.0	157.7	0.006	7.9	2.54
76.9	10.4	0.02	28.0					
658.900	104.1	-305.7	9.6	10.9	157.2	0.001	7.9	2.55
76.9	10.0	0.02	27.7					
659.000	105.0	-305.7	9.5	10.8	154.9	0.000	7.9	2.55
76.9	9.9	0.02	27.7					
659.100	107.1	-305.7	9.3	10.8	153.1	0.005	7.9	2.56
76.9	9.1	0.02	27.7					

659.200	107.7	-305.6	9.3	10.8	151.0	0.013	7.9	2.57
76.9	8.8	0.02 28.2						
659.300	109.7	-305.5	9.1	10.7	148.8	0.014	7.9	2.57
76.9	8.6	0.02 28.1						
659.400	111.4	-305.4	9.0	10.7	145.3	0.012	7.9	2.57
76.9	8.5	0.02 29.1						
659.500	112.7	-305.4	8.9	10.7	142.7	0.007	7.9	2.58
76.9	7.9	0.02 28.9						
659.600	112.8	-305.3	8.9	10.7	141.7	0.007	7.9	2.60
76.9	7.1	0.02 29.1						
659.700	113.2	-305.2	8.8	10.6	143.4	0.009	7.9	2.60
76.9	6.6	0.02 29.1						
659.800	114.4	-305.2	8.7	10.5	139.7	0.011	7.9	2.62
76.9	5.5	0.02 28.9						
659.900	115.2	-305.2	8.7	10.4	137.6	0.017	7.9	2.64
76.9	4.6	0.02 28.7						
660.000	114.7	-305.3	8.7	10.3	136.7	0.017	7.9	2.64
76.9	4.3	0.02 28.7						
660.100	114.2	-305.3	8.8	10.1	135.4	0.019	7.9	2.63
76.9	4.9	0.02 28.4						
660.200	114.4	-305.5	8.7	10.0	132.6	0.016	7.9	2.63
76.9	4.7	0.02 28.7						
660.300	115.1	-305.8	8.7	10.0	131.7	0.015	7.9	2.63
76.9	5.0	0.02 28.8						
660.400	115.1	-306.3	8.7	9.9	130.0	0.010	7.9	2.63
76.9	4.9	0.02 28.8						
660.500	114.0	-306.7	8.8	9.9	128.9	0.003	7.9	2.63
76.9	5.1	0.02 28.6						
660.600	113.6	-307.1	8.8	9.9	132.8	0.004	7.9	2.61
76.9	6.4	0.02 28.4						
660.700	113.5	-307.7	8.8	9.8	135.4	0.005	7.9	2.60
76.9	6.7	0.02 28.4						
660.800	114.0	-308.4	8.8	9.9	134.5	0.008	7.9	2.60
76.9	6.9	0.02 29.1						
660.900	113.8	-308.9	8.8	9.9	132.8	0.010	7.9	2.60
76.9	6.9	0.02 28.6						
661.000	112.9	-309.2	8.9	10.0	136.7	0.010	7.9	2.59
76.9	7.6	0.02 29.0						
661.100	112.5	-309.3	8.9	10.1	136.5	0.010	7.9	2.57
76.9	8.4	0.01 28.0						
661.200	112.0	-309.3	8.9	10.1	135.2	0.004	7.9	2.57
76.9	8.6	0.02 28.0						
661.300	112.3	-309.2	8.9	10.2	138.4	0.006	7.9	2.56
77.0	9.5	0.02 28.5						
661.400	111.6	-309.0	9.0	10.3	142.7	0.005	7.9	2.55
76.9	10.2	0.02 28.9						
661.500	111.1	-308.4	9.0	10.3	143.2	0.008	7.9	2.55
77.0	10.2	0.02 29.5						
661.600	110.5	-308.0	9.0	10.3	141.0	0.009	7.9	2.55
77.0	9.9	0.02 30.3						
661.700	110.2	-307.5	9.1	10.4	139.5	0.010	7.9	2.55
77.0	10.1	0.02 30.5						
661.800	109.5	-306.9	9.1	10.4	136.5	0.009	7.9	2.56
77.0	9.2	0.02 30.9						

661.900	109.8	-306.2	9.1	10.4	136.3	0.011	7.9	2.56
77.0	9.0	0.02 31.5						
662.000	109.3	-305.6	9.1	10.5	137.6	0.014	7.9	2.56
77.0	9.3	0.02 31.6						
662.100	109.4	-305.2	9.1	10.5	135.4	0.015	7.9	2.56
77.0	9.2	0.02 31.8						
662.200	109.2	-305.0	9.2	10.6	134.1	0.014	7.9	2.57
77.0	8.8	0.02 31.3						
662.300	109.8	-304.8	9.1	10.6	137.1	0.012	7.9	2.57
77.0	8.7	0.02 30.4						
662.400	110.3	-304.8	9.1	10.7	138.2	0.012	7.9	2.57
77.0	8.5	0.02 30.3						
662.500	110.4	-305.0	9.1	10.8	137.8	0.012	7.9	2.58
77.0	7.9	0.02 30.0						
662.600	110.5	-305.0	9.1	10.9	137.3	0.013	7.9	2.59
77.0	7.5	0.02 30.2						
662.700	110.6	-305.1	9.0	11.0	139.1	0.014	7.9	2.58
77.0	7.9	0.01 30.6						
662.800	109.8	-305.1	9.1	11.1	138.0	0.016	7.9	2.58
77.0	8.1	0.01 30.0						
662.900	108.3	-305.1	9.2	11.3	136.7	0.016	7.9	2.58
77.0	8.0	0.01 29.9						
663.000	108.0	-305.1	9.3	11.4	135.4	0.020	7.9	2.58
77.0	8.4	0.01 29.7						
663.100	107.8	-305.2	9.3	11.6	136.3	0.020	7.9	2.57
77.0	8.5	0.01 29.0						
663.200	106.9	-305.2	9.4	11.6	138.2	0.015	7.9	2.58
77.0	8.0	0.01 28.6						
663.300	105.4	-305.3	9.5	11.7	140.4	0.016	7.9	2.57
77.0	8.4	0.01 28.2						
663.400	104.9	-305.2	9.5	11.8	142.1	0.015	7.9	2.56
77.0	9.2	0.01 27.4						
663.500	105.1	-305.1	9.5	11.8	144.7	0.014	7.9	2.57
77.0	8.9	0.01 27.8						
663.600	105.1	-304.8	9.5	11.7	142.3	0.016	7.9	2.58
77.0	8.3	0.01 28.2						
663.700	104.0	-304.7	9.6	11.7	142.3	0.017	7.9	2.58
77.0	8.1	0.01 28.3						
663.800	103.3	-304.7	9.7	11.6	139.7	0.018	7.9	2.59
77.0	7.6	0.01 28.5						
663.900	102.7	-304.6	9.7	11.7	143.2	0.018	7.9	2.58
77.0	8.0	0.01 29.0						
664.000	102.6	-304.6	9.8	11.7	141.0	0.018	7.9	2.57
77.0	8.7	0.01 29.1						
664.100	102.6	-304.5	9.8	11.8	141.7	0.015	7.9	2.57
77.0	8.6	0.01 29.6						
664.200	101.9	-304.5	9.8	11.8	140.8	0.018	7.9	2.57
77.0	8.4	0.01 29.6						
664.300	101.5	-304.4	9.8	11.8	140.6	0.015	7.9	2.58
77.0	8.2	0.01 30.1						
664.400	100.2	-304.4	10.0	11.8	140.2	0.016	7.9	2.58
77.0	8.3	0.01 29.7						
664.500	100.0	-304.4	10.0	11.8	142.1	0.016	7.9	2.58
77.0	8.2	0.01 29.8						

664.600	99.1	-304.3	10.1	11.8	144.7	0.014	7.9	2.58
77.0	8.2	0.01	29.8					
664.700	99.9	-304.4	10.0	11.8	145.6	0.015	7.9	2.57
77.0	8.8	0.01	29.9					
664.800	99.2	-304.4	10.1	11.8	143.8	0.016	7.9	2.56
77.0	9.1	0.01	30.5					
664.900	99.3	-304.4	10.1	11.8	145.6	0.008	7.9	2.57
77.0	8.5	0.02	30.7					
665.000	98.3	-304.4	10.2	11.8	141.2	0.008	7.9	2.57
77.0	8.9	0.02	30.5					
665.100	98.7	-304.4	10.1	11.8	144.3	0.006	7.9	2.56
77.0	9.3	0.02	30.0					
665.200	98.6	-304.5	10.1	11.8	140.8	0.003	7.9	2.56
77.0	9.2	0.02	30.2					
665.300	99.3	-304.5	10.1	11.8	142.1	0.007	7.9	2.55
77.0	9.8	0.02	30.5					
665.400	99.2	-304.5	10.1	11.8	141.5	0.011	7.9	2.55
77.0	9.7	0.02	29.7					
665.500	100.0	-304.5	10.0	11.8	141.5	0.007	7.9	2.56
77.0	9.5	0.02	29.6					
665.600	100.2	-304.5	10.0	11.8	140.2	0.009	7.9	2.55
77.0	9.8	0.02	29.4					
665.700	100.2	-304.5	10.0	11.7	144.5	0.010	7.9	2.55
77.0	10.1	0.02	28.9					
665.800	100.3	-304.5	10.0	11.7	143.8	0.012	7.9	2.54
77.0	10.7	0.02	29.1					
665.900	100.7	-304.4	9.9	11.7	144.7	0.009	7.9	2.54
77.0	10.4	0.02	29.2					
666.000	102.0	-304.3	9.8	11.7	142.5	0.010	7.9	2.55
77.0	10.0	0.02	29.1					
666.100	102.8	-304.2	9.7	11.6	136.5	0.009	7.9	2.56
77.0	9.2	0.02	29.0					
666.200	102.7	-304.2	9.7	11.5	134.5	0.015	7.9	2.56
77.0	9.0	0.02	30.1					
666.300	102.2	-304.1	9.8	11.5	136.7	0.011	7.9	2.59
77.0	7.7	0.02	30.1					
666.400	101.4	-304.1	9.9	11.5	135.0	0.018	8.0	2.60
77.0	7.0	0.02	30.8					
666.500	101.4	-304.1	9.9	11.4	140.6	0.018	8.0	2.60
77.1	7.1	0.02	30.4					
666.600	100.8	-304.2	9.9	11.4	139.9	0.012	8.0	2.57
77.0	8.5	0.02	30.9					
666.700	101.2	-304.3	9.9	11.4	140.4	0.005	8.0	2.55
77.1	10.2	0.02	31.0					
666.800	101.2	-304.4	9.9	11.4	138.4	0.003	8.0	2.53
77.0	11.5	0.02	30.9					
666.900	101.3	-304.7	9.9	11.4	135.8	0.005	8.0	2.51
77.0	12.5	0.02	31.1					
667.000	101.5	-305.1	9.9	11.4	135.6	0.009	8.0	2.50
77.1	13.3	0.02	31.3					
667.100	101.6	-305.5	9.8	11.4	136.0	0.020	8.0	2.48
77.1	14.5	0.02	31.0					
667.200	102.1	-305.9	9.8	11.4	130.6	0.031	8.0	2.45
77.1	16.3	0.02	31.8					

667.300	102.2	-306.3	9.8	11.5	128.3	0.030	8.0	2.42
77.1	17.8	0.02 31.2						
667.400	102.8	-306.8	9.7	11.5	126.1	0.029	8.0	2.39
77.1	19.8	0.02 31.9						
667.500	103.9	-307.3	9.6	11.7	127.8	0.026	7.9	2.37
77.1	21.2	0.02 32.8						
667.600	104.2	-307.9	9.6	11.8	133.4	0.026	7.9	2.35
77.1	22.1	0.02 33.0						
667.700	104.3	-308.8	9.6	11.9	133.4	0.020	8.0	2.35
77.1	22.6	0.02 32.2						
667.800	104.2	-309.7	9.6	12.0	134.3	0.017	8.0	2.33
77.1	23.3	0.02 31.4						
667.900	104.4	-311.0	9.6	12.1	135.4	0.023	8.0	2.32
77.1	24.4	0.02 30.6						
668.000	105.3	-312.2	9.5	12.1	130.6	0.024	8.0	2.33
77.1	23.9	0.02 30.8						
668.100	105.5	-313.0	9.5	12.0	129.6	0.025	7.9	2.35
77.1	22.2	0.02 30.3						
668.200	105.7	-313.6	9.5	11.9	136.0	0.025	7.9	2.38
77.1	20.6	0.02 29.9						
668.300	104.6	-314.1	9.6	11.9	136.7	0.019	7.9	2.40
77.1	19.1	0.02 29.6						
668.400	104.3	-314.5	9.6	11.7	139.7	0.007	7.9	2.43
77.1	17.4	0.02 29.3						
668.500	103.9	-314.7	9.6	11.6	138.4	-0.001	7.9	2.45
77.1	16.2	0.02 29.6						
668.600	104.3	-314.9	9.6	11.4	141.0	0.001	7.9	2.48
77.1	14.0	0.02 29.4						
668.700	104.4	-314.9	9.6	11.3	139.5	0.010	7.9	2.52
77.1	11.7	0.02 28.4						
668.800	103.9	-314.8	9.6	11.2	139.5	0.014	7.9	2.56
77.1	9.5	0.02 28.0						
668.900	103.4	-314.6	9.7	11.1	140.2	0.018	7.9	2.59
77.1	7.5	0.02 27.2						
669.000	102.9	-314.1	9.7	11.1	138.9	0.018	7.9	2.61
77.1	6.1	0.02 26.3						
669.100	103.1	-313.6	9.7	11.1	137.1	0.021	7.9	2.62
77.1	5.3	0.02 26.1						
669.200	103.0	-313.5	9.7	11.2	141.0	0.020	7.9	2.64
77.1	4.5	0.02 25.8						
669.300	102.2	-313.6	9.8	11.4	141.0	0.027	7.9	2.64
77.1	4.5	0.02 26.0						
669.400	101.8	-313.9	9.8	11.5	140.4	0.027	7.9	2.65
77.1	3.7	0.02 25.7						
669.500	101.9	-314.1	9.8	11.7	139.5	0.028	7.9	2.65
77.1	3.6	0.02 26.1						
669.600	102.0	-314.4	9.8	11.9	142.3	0.030	7.9	2.66
77.1	3.2	0.02 26.1						
669.700	101.4	-314.6	9.9	12.1	139.7	0.038	7.9	2.66
77.1	3.0	0.02 25.9						
669.800	99.9	-314.8	10.0	12.4	139.7	0.038	7.9	2.66
77.1	3.1	0.02 25.8						
669.900	98.6	-314.8	10.1	12.6	138.0	0.037	7.9	2.66
77.1	3.3	0.02 26.1						

670.000	97.6	-314.7	10.2	12.8	139.3	0.030	7.9	2.65
77.1	3.4	0.02 25.7						
670.100	98.1	-314.5	10.2	12.9	139.7	0.030	7.9	2.64
77.1	4.3	0.02 25.7						
670.200	97.6	-314.1	10.2	13.0	144.0	0.029	7.9	2.64
77.1	4.4	0.01 25.9						
670.300	97.7	-313.5	10.2	13.1	144.0	0.028	7.9	2.64
77.1	4.3	0.02 26.2						
670.400	96.3	-312.7	10.4	13.1	145.3	0.030	7.9	2.64
77.1	4.2	0.01 26.4						
670.500	96.0	-311.8	10.4	13.2	144.0	0.030	7.9	2.63
77.1	5.0	0.01 26.5						
670.600	95.7	-311.0	10.5	13.2	144.7	0.024	7.9	2.62
77.1	5.3	0.01 26.4						
670.700	95.3	-310.1	10.5	13.3	143.6	0.025	7.9	2.61
77.1	5.9	0.02 26.1						
670.800	95.2	-309.3	10.5	13.4	142.1	0.022	7.9	2.60
77.1	6.7	0.02 26.7						
670.900	94.2	-308.5	10.6	13.5	144.5	0.019	7.9	2.60
77.1	7.1	0.02 27.2						
671.000	94.7	-307.7	10.6	13.5	145.1	0.016	7.9	2.59
77.1	7.5	0.02 26.8						
671.100	94.6	-307.0	10.6	13.6	141.2	0.017	7.9	2.60
77.1	6.7	0.02 26.8						
671.200	95.3	-306.4	10.5	13.6	137.6	0.030	7.9	2.61
77.1	5.9	0.01 27.0						
671.300	94.5	-305.8	10.6	13.6	142.7	0.037	7.8	2.63
77.1	5.3	0.02 27.2						
671.400	93.5	-305.4	10.7	13.7	141.5	0.037	7.8	2.63
77.1	4.9	0.02 27.2						
671.500	92.0	-305.1	10.9	13.7	139.3	0.032	7.9	2.63
77.1	4.7	0.02 27.0						
671.600	90.8	-304.9	11.0	13.7	135.8	0.027	7.8	2.64
77.1	4.1	0.01 27.2						
671.700	89.9	-304.8	11.1	13.7	135.0	0.020	7.9	2.67
77.2	2.5	0.01 27.2						
671.800	88.7	-304.8	11.3	13.8	138.0	0.022	7.8	2.68
77.1	1.6	0.01 27.3						
671.900	87.7	-304.8	11.4	14.0	134.5	0.027	7.8	2.69
77.1	1.3	0.01 27.5						
672.000	86.6	-305.0	11.5	14.1	140.2	0.028	7.9	2.72
77.2	-0.5	0.01 27.3						
672.100	85.7	-305.2	11.7	14.3	138.9	0.038	7.8	2.73
77.1	-1.5	0.01 26.9						
672.200	84.2	-305.5	11.9	14.5	137.6	0.048	7.8	2.75
77.2	-2.3	0.01 27.0						
672.300	83.4	-305.9	12.0	14.8	140.6	0.051	7.9	2.76
77.2	-3.2	0.01 26.3						
672.400	82.4	-306.2	12.1	15.1	141.0	0.051	7.9	2.76
77.2	-3.0	0.01 25.9						
672.500	82.3	-306.6	12.1	15.4	142.1	0.038	7.9	2.76
77.2	-3.0	0.01 25.7						
672.600	81.6	-306.9	12.3	15.8	142.5	0.030	7.9	2.74
77.2	-1.6	0.01 25.6						

672.700	80.8	-307.1	12.4	16.2	142.7	0.033	7.9	2.71
77.2	-0.3	0.01	25.8					
672.800	80.2	-307.2	12.5	16.9	138.9	0.037	7.9	2.70
77.2	0.4	0.01	25.3					
672.900	79.9	-307.1	12.5	17.6	144.5	0.044	7.9	2.69
77.2	1.0	0.01	25.0					
673.000	80.3	-307.1	12.5	18.5	146.6	0.048	7.9	2.69
77.2	1.4	0.01	25.0					
673.100	80.0	-307.0	12.5	19.0	147.1	0.042	7.9	2.67
77.2	2.2	0.02	25.0					
673.200	79.6	-306.7	12.6	19.2	146.6	0.039	7.9	2.64
77.2	4.1	0.02	24.7					
673.300	79.1	-306.5	12.6	19.2	146.2	0.038	7.9	2.62
77.2	5.7	0.02	24.4					
673.400	79.0	-306.4	12.7	19.1	147.9	0.027	7.9	2.61
77.2	6.2	0.02	24.2					
673.500	78.6	-306.2	12.7	18.9	147.1	0.019	7.9	2.59
77.2	7.6	0.02	24.0					
673.600	77.8	-306.1	12.9	18.5	146.2	0.011	7.9	2.57
77.2	8.6	0.02	24.3					
673.700	77.1	-306.0	13.0	17.9	144.5	0.008	7.9	2.56
77.2	9.0	0.02	23.9					
673.800	76.7	-306.1	13.0	17.6	140.6	0.010	7.9	2.56
77.2	9.1	0.02	24.0					
673.900	76.4	-306.3	13.1	17.5	138.0	0.012	7.9	2.56
77.2	9.2	0.02	24.1					
674.000	76.3	-306.7	13.1	17.5	138.9	0.009	7.9	2.57
77.2	8.8	0.02	24.4					
674.100	76.0	-307.0	13.2	17.5	141.0	0.008	7.9	2.57
77.2	8.6	0.02	24.0					
674.200	76.5	-307.4	13.1	17.4	142.7	0.008	7.9	2.57
77.2	8.4	0.02	23.8					
674.300	77.1	-307.9	13.0	17.4	141.5	0.008	7.9	2.58
77.2	8.2	0.02	23.8					
674.400	76.9	-308.3	13.0	17.3	136.7	0.011	7.9	2.59
77.2	7.7	0.02	23.5					
674.500	76.4	-308.8	13.1	17.2	136.9	0.013	7.9	2.58
77.2	7.8	0.02	23.2					
674.600	75.8	-309.3	13.2	17.1	139.1	0.013	7.9	2.59
77.2	7.3	0.01	23.2					
674.700	76.0	-309.9	13.2	17.0	136.0	0.016	7.9	2.61
77.2	6.4	0.02	23.6					
674.800	75.7	-310.4	13.2	16.9	138.2	0.022	7.9	2.62
77.2	5.9	0.02	23.5					
674.900	75.4	-311.0	13.3	17.0	138.2	0.023	7.9	2.61
77.2	6.3	0.02	23.1					
675.000	74.9	-311.6	13.4	17.0	134.3	0.022	7.9	2.61
77.2	6.1	0.02	23.0					
675.100	74.5	-312.3	13.4	17.1	135.4	0.022	7.9	2.61
77.2	5.9	0.02	23.1					
675.200	73.6	-312.7	13.6	17.1	138.9	0.023	7.9	2.62
77.2	5.8	0.02	23.3					
675.300	72.3	-313.0	13.8	17.2	139.9	0.024	7.9	2.62
77.2	5.9	0.02	23.3					

675.400	71.8	-313.1	13.9	17.3	139.9	0.027	7.9	2.62
77.2	5.6	0.02 23.3						
675.500	71.8	-313.1	13.9	17.3	140.2	0.025	7.9	2.62
77.2	5.6	0.02 23.1						
675.600	72.0	-312.9	13.9	17.2	137.6	0.027	7.9	2.62
77.2	5.6	0.02 23.4						
675.700	72.1	-312.7	13.9	17.2	139.5	0.025	7.9	2.62
77.2	5.8	0.02 23.9						
675.800	71.3	-312.3	14.0	17.1	141.7	0.023	7.9	2.62
77.2	5.8	0.02 24.0						
675.900	71.5	-311.8	14.0	17.0	142.5	0.026	7.9	2.61
77.2	6.0	0.02 24.6						
676.000	71.1	-311.3	14.1	17.0	141.7	0.025	7.9	2.62
77.2	5.7	0.02 25.0						
676.100	71.8	-310.7	13.9	16.9	140.6	0.019	7.9	2.61
77.2	6.1	0.02 25.0						
676.200	72.7	-310.0	13.8	16.8	141.5	0.018	7.9	2.60
77.2	7.0	0.02 25.0						
676.300	74.7	-309.4	13.4	16.8	138.0	0.016	7.9	2.60
77.2	7.0	0.02 25.2						
676.400	75.7	-308.9	13.2	16.7	136.0	0.016	7.9	2.60
77.2	6.8	0.02 25.4						
676.500	75.4	-308.6	13.3	16.7	136.5	0.016	7.9	2.60
77.2	6.6	0.02 25.9						
676.600	75.3	-308.3	13.3	16.5	135.6	0.016	7.9	2.60
77.2	6.7	0.01 26.0						
676.700	76.1	-308.0	13.1	16.3	133.9	0.017	7.9	2.60
77.2	7.0	0.01 26.0						
676.800	77.5	-307.8	12.9	16.1	134.7	0.017	7.8	2.60
77.2	7.1	0.01 26.0						
676.900	78.6	-307.6	12.7	15.9	139.1	0.016	7.9	2.60
77.2	6.9	0.01 25.9						
677.000	79.1	-307.3	12.6	15.7	139.3	0.016	7.9	2.59
77.2	7.4	0.01 26.5						
677.100	79.6	-307.1	12.6	15.5	143.2	0.014	7.9	2.59
77.2	7.7	0.01 26.4						
677.200	80.0	-306.9	12.5	15.3	139.7	0.011	7.9	2.58
77.2	7.8	0.01 26.0						
677.300	80.7	-306.7	12.4	15.1	140.2	0.009	7.9	2.58
77.2	8.3	0.01 26.3						
677.400	81.2	-306.6	12.3	15.0	137.3	0.006	7.9	2.58
77.2	8.1	0.01 26.4						
677.500	81.9	-306.4	12.2	14.8	140.8	0.009	7.9	2.57
77.3	8.6	0.01 26.8						
677.600	83.1	-306.3	12.0	14.7	140.8	0.010	7.9	2.57
77.2	8.5	0.01 27.4						
677.700	84.9	-306.3	11.8	14.5	142.1	0.008	7.8	2.58
77.2	8.3	0.01 27.0						
677.800	86.0	-306.3	11.6	14.3	141.7	0.007	7.9	2.57
77.2	8.6	0.01 27.2						
677.900	87.3	-306.3	11.5	14.1	144.3	0.004	7.9	2.58
77.3	7.8	0.02 27.3						
678.000	88.1	-306.5	11.4	13.8	145.1	0.004	7.9	2.59
77.3	7.6	0.02 27.0						

678.100	88.7	-306.6	11.3	13.5	144.3	0.004	7.9	2.59
77.2	7.8	0.02	27.0					
678.200	89.0	-306.8	11.2	13.3	139.7	0.003	7.9	2.59
77.3	7.3	0.02	26.9					
678.300	89.3	-307.0	11.2	13.0	138.9	0.006	7.9	2.60
77.2	6.9	0.02	27.2					
678.400	89.9	-307.3	11.1	12.7	133.2	0.013	7.9	2.60
77.3	6.9	0.02	27.3					
678.500	90.4	-307.7	11.1	12.5	128.5	0.014	7.9	2.60
77.3	6.9	0.02	27.0					
678.600	91.9	-308.2	10.9	12.2	127.6	0.012	7.9	2.60
77.3	6.6	0.02	27.4					
678.700	93.5	-308.6	10.7	12.1	129.1	0.015	7.9	2.61
77.3	6.2	0.02	27.6					
678.800	94.9	-309.1	10.5	11.9	125.2	0.012	7.9	2.62
77.3	5.7	0.02	27.6					
678.900	95.0	-309.7	10.5	11.8	126.1	0.014	7.9	2.62
77.3	5.8	0.02	27.7					
679.000	95.4	-310.2	10.5	11.7	119.6	0.016	7.9	2.63
77.3	5.1	0.02	27.6					
679.100	96.2	-310.7	10.4	11.7	119.0	0.019	7.9	2.63
77.3	5.1	0.02	27.1					
679.200	97.4	-311.2	10.3	11.6	121.1	0.020	7.8	2.63
77.3	5.1	0.02	27.8					
679.300	98.4	-311.7	10.2	11.7	121.3	0.016	7.9	2.63
77.3	4.9	0.02	27.7					
679.400	99.0	-312.1	10.1	11.8	119.6	0.016	7.9	2.62
77.3	5.5	0.02	27.8					
679.500	99.1	-312.4	10.1	11.9	119.0	0.019	7.9	2.62
77.3	5.9	0.02	28.2					
679.600	98.7	-312.5	10.1	12.1	118.5	0.016	7.8	2.62
77.3	5.8	0.02	28.3					
679.700	98.7	-312.7	10.1	12.1	121.8	0.011	7.9	2.61
77.3	6.1	0.02	28.0					
679.800	99.4	-312.8	10.1	12.2	120.0	0.012	7.9	2.61
77.3	6.3	0.01	27.6					
679.900	99.6	-312.8	10.0	12.2	121.1	0.019	7.9	2.61
77.3	6.1	0.01	27.9					
680.000	100.2	-312.7	10.0	12.2	125.0	0.021	7.8	2.62
77.3	5.4	0.01	28.1					
680.100	100.2	-312.6	10.0	12.2	122.0	0.023	7.9	2.63
77.3	5.2	0.01	28.1					
680.200	100.3	-312.5	10.0	12.2	120.3	0.021	7.8	2.63
77.3	4.7	0.01	28.0					
680.300	99.7	-312.4	10.0	12.1	119.4	0.020	7.8	2.64
77.3	4.3	0.01	27.9					
680.400	99.4	-312.3	10.1	12.1	116.6	0.015	7.9	2.64
77.3	4.1	0.01	27.4					
680.500	99.5	-312.2	10.1	12.2	119.8	0.016	7.8	2.65
77.3	3.8	0.01	27.0					
680.600	99.3	-312.2	10.1	12.3	121.6	0.020	7.9	2.66
77.3	3.0	0.01	26.8					
680.700	98.5	-312.1	10.2	12.4	118.7	0.026	7.8	2.67
77.3	2.5	0.01	26.9					

680.800	98.0	-312.0	10.2	12.6	118.5	0.028	7.9	2.66
77.3	2.8	0.01	26.9					
680.900	97.4	-311.8	10.3	12.7	117.7	0.026	7.9	2.66
77.3	2.9	0.02	26.6					
681.000	96.1	-311.7	10.4	12.9	117.0	0.026	7.9	2.66
77.3	2.9	0.01	26.3					
681.100	95.7	-311.6	10.5	13.2	117.7	0.024	7.9	2.67
77.3	2.5	0.02	26.7					
681.200	95.2	-311.5	10.5	13.3	114.2	0.022	7.9	2.66
77.3	3.1	0.02	27.0					
681.300	95.1	-311.3	10.5	13.6	120.7	0.017	7.9	2.65
77.3	3.7	0.02	27.3					
681.400	93.4	-311.1	10.7	13.9	119.6	0.014	7.9	2.64
77.3	4.2	0.02	27.1					
681.500	92.6	-310.9	10.8	14.2	119.4	0.017	7.9	2.63
77.3	5.2	0.02	26.7					
681.600	92.0	-310.6	10.9	14.6	121.1	0.013	7.9	2.61
77.3	6.0	0.02	26.1					
681.700	91.3	-310.4	11.0	15.1	121.8	0.014	7.9	2.60
77.3	6.6	0.02	25.8					
681.800	89.4	-310.3	11.2	15.4	123.1	0.015	7.9	2.60
77.3	6.9	0.02	25.8					
681.900	88.2	-310.1	11.3	15.6	128.7	0.012	7.9	2.60
77.3	6.9	0.02	25.8					
682.000	87.2	-310.0	11.5	15.8	127.6	0.009	7.9	2.58
77.3	7.8	0.01	26.0					
682.100	86.1	-309.9	11.6	16.0	124.4	0.006	7.9	2.57
77.3	8.6	0.01	25.8					
682.200	85.3	-309.8	11.7	16.2	127.2	0.005	7.9	2.56
77.3	9.2	0.01	25.3					
682.300	84.9	-309.8	11.8	16.2	125.0	0.005	7.9	2.56
77.3	9.1	0.01	25.1					
682.400	84.4	-309.8	11.8	16.1	123.5	0.003	7.9	2.56
77.3	9.3	0.01	25.3					
682.500	83.9	-310.0	11.9	16.2	124.8	-0.001	7.9	2.55
77.3	9.9	0.01	25.2					
682.600	83.0	-310.3	12.0	16.4	124.6	-0.004	7.9	2.54
77.3	10.3	0.01	24.9					
682.700	82.6	-310.6	12.1	16.6	126.1	-0.004	7.9	2.55
77.3	10.0	0.01	25.2					
682.800	81.6	-310.8	12.3	16.7	120.5	-0.006	7.9	2.55
77.4	9.9	0.01	25.0					
682.900	80.4	-311.0	12.4	16.7	117.7	-0.006	7.9	2.55
77.4	9.8	0.02	25.2					
683.000	79.5	-311.2	12.6	16.8	115.3	-0.004	7.9	2.57
77.3	8.9	0.02	25.3					
683.100	78.6	-311.3	12.7	16.8	114.4	-0.005	7.9	2.57
77.3	8.5	0.02	25.6					
683.200	78.2	-311.3	12.8	17.0	117.9	-0.006	7.9	2.58
77.4	8.3	0.02	25.9					
683.300	77.3	-311.3	12.9	17.0	121.3	-0.007	7.9	2.58
77.4	8.3	0.02	26.1					
683.400	76.4	-311.3	13.1	17.1	118.3	-0.005	7.9	2.57
77.4	9.0	0.02	26.1					

683.500	75.8	-311.2	13.2	17.0	120.5	-0.005	7.9	2.57
77.4	8.8	0.02 26.1						
683.600	75.2	-310.9	13.3	17.1	123.1	-0.006	7.9	2.57
77.4	8.6	0.02 27.2						
683.700	74.9	-310.6	13.4	17.1	121.3	-0.002	7.9	2.57
77.4	8.6	0.02 27.5						
683.800	74.1	-310.4	13.5	17.3	121.8	-0.002	7.9	2.57
77.4	8.5	0.02 28.0						
683.900	74.1	-310.1	13.5	17.3	121.1	0.003	7.9	2.57
77.4	8.6	0.02 28.0						
684.000	74.0	-309.9	13.5	17.3	122.4	0.003	7.9	2.58
77.4	8.2	0.02 28.2						
684.100	73.6	-309.7	13.6	17.4	122.4	0.004	7.8	2.58
77.4	8.2	0.01 28.0						
684.200	73.4	-309.5	13.6	17.5	124.8	0.007	7.9	2.58
77.4	8.1	0.01 28.2						
684.300	72.8	-309.2	13.7	17.7	126.5	0.008	7.8	2.60
77.4	7.1	0.01 28.8						
684.400	72.9	-309.1	13.7	17.7	130.4	0.015	7.9	2.61
77.4	6.5	0.01 28.7						
684.500	72.7	-309.0	13.8	17.6	129.6	0.021	7.9	2.61
77.4	6.2	0.01 29.1						
684.600	72.5	-308.9	13.8	17.6	128.5	0.017	7.9	2.62
77.4	5.6	0.01 28.6						
684.700	72.7	-308.7	13.8	17.6	123.9	0.014	7.9	2.62
77.4	5.8	0.01 30.6						
684.800	73.1	-308.6	13.7	17.4	120.3	0.010	7.9	2.62
77.4	5.9	0.01 30.5						
684.900	73.6	-308.5	13.6	17.3	117.7	0.007	7.9	2.62
77.4	5.6	0.01 30.3						
685.000	73.4	-308.3	13.6	17.1	115.7	-0.000	7.9	2.63
77.4	4.9	0.01 30.3						
685.100	72.7	-308.2	13.8	16.9	112.0	0.001	7.8	2.65
77.4	4.0	0.01 29.5						
685.200	72.7	-308.0	13.8	16.9	112.0	0.006	7.9	2.68
77.4	2.0	0.01 29.8						
685.300	72.5	-307.9	13.8	16.9	114.2	0.022	7.9	2.69
77.4	1.5	0.01 29.4						
685.400	72.7	-308.0	13.8	16.8	117.0	0.025	7.9	2.70
77.4	0.5	0.01 29.8						
685.500	73.5	-307.9	13.6	16.9	116.1	0.026	7.9	2.70
77.4	0.6	0.01 29.8						
685.600	74.3	-307.9	13.5	17.0	114.6	0.026	7.9	2.70
77.4	0.5	0.02 30.1						
685.700	75.2	-308.1	13.3	17.1	112.0	0.019	7.9	2.71
77.4	0.1	0.02 29.7						
685.800	74.5	-308.3	13.4	17.1	111.0	0.016	7.9	2.70
77.4	0.6	0.02 29.2						
685.900	74.3	-308.5	13.5	17.1	110.3	0.022	7.9	2.69
77.4	1.5	0.02 29.2						
686.000	73.8	-308.6	13.6	17.1	111.4	0.021	7.9	2.68
77.4	1.8	0.02 28.9						
686.100	73.7	-308.6	13.6	17.5	115.5	0.027	7.9	2.66
77.4	2.8	0.02 29.7						

686.200	74.0	-308.6	13.5	18.1	115.7	0.032	7.9	2.66
77.4	3.2	0.02 27.8						
686.300	74.2	-308.6	13.5	18.7	120.3	0.036	7.9	2.66
77.4	3.3	0.02 27.7						
686.400	74.6	-308.5	13.4	19.1	123.3	0.037	7.9	2.66
77.4	3.4	0.02 28.0						
686.500	73.8	-308.5	13.6	19.1	122.2	0.032	7.9	2.64
77.4	4.4	0.01 27.9						
686.600	72.9	-308.4	13.7	19.3	122.4	0.018	7.9	2.61
77.4	6.2	0.01 28.0						
686.700	72.6	-308.3	13.8	19.4	117.2	0.013	7.9	2.58
77.4	8.0	0.01 27.8						
686.800	72.8	-308.1	13.7	19.2	116.4	0.013	7.9	2.58
77.4	8.0	0.01 27.8						
686.900	73.3	-307.8	13.6	18.9	117.4	0.017	7.9	2.58
77.4	8.1	0.01 27.4						
687.000	73.0	-307.5	13.7	18.4	114.8	0.017	7.9	2.59
77.4	7.5	0.01 27.1						
687.100	73.6	-307.5	13.6	18.3	112.5	0.012	7.9	2.60
77.4	7.0	0.01 26.7						
687.200	73.5	-307.5	13.6	18.2	110.1	0.005	7.9	2.60
77.4	6.7	0.01 26.7						
687.300	73.6	-307.6	13.6	18.2	106.0	0.003	7.9	2.61
77.4	6.2	0.01 27.1						
687.400	72.7	-307.8	13.8	18.2	102.3	0.001	7.9	2.62
77.4	5.5	0.01 27.3						
687.500	73.1	-308.0	13.7	18.1	99.5	-0.001	7.9	2.64
77.4	4.6	0.01 27.0						
687.600	73.0	-308.2	13.7	18.1	94.1	0.006	7.9	2.66
77.4	2.8	0.02 26.3						
687.700	73.1	-308.5	13.7	18.2	95.2	0.014	7.9	2.67
77.4	2.2	0.02 26.2						
687.800	72.1	-308.8	13.9	18.3	88.9	0.015	7.9	2.68
77.4	2.1	0.02 26.1						
687.900	71.9	-309.1	13.9	18.5	87.2	0.018	7.9	2.68
77.4	2.0	0.02 25.7						
688.000	71.8	-309.4	13.9	18.7	87.2	0.022	7.9	2.68
77.4	1.9	0.02 25.7						
688.100	72.1	-309.9	13.9	18.8	90.4	0.020	7.9	2.69
77.4	1.2	0.02 25.9						
688.200	71.4	-310.4	14.0	18.8	93.0	0.019	7.9	2.68
77.4	1.6	0.02 25.6						
688.300	70.7	-310.8	14.1	18.8	95.6	0.018	7.9	2.67
77.4	2.7	0.02 25.8						
688.400	69.9	-311.0	14.3	18.7	96.0	0.019	7.9	2.65
77.4	3.6	0.02 26.0						
688.500	70.4	-311.1	14.2	19.1	98.6	0.021	7.9	2.64
77.4	4.2	0.02 26.1						
688.600	70.6	-311.2	14.2	19.9	102.5	0.027	7.9	2.64
77.4	4.6	0.02 26.8						
688.700	70.9	-311.3	14.1	20.7	106.6	0.031	7.9	2.62
77.4	5.5	0.02 26.7						
688.800	70.5	-311.2	14.2	21.0	114.4	0.032	7.9	2.60
77.4	6.7	0.02 26.9						

688.900	70.4	-311.1	14.2	21.2	119.4	0.027	7.9	2.59
77.4	7.5	0.02 26.9						
689.000	70.3	-311.0	14.2	21.2	122.8	0.018	7.9	2.56
77.5	9.0	0.02 27.2						
689.100	70.3	-310.8	14.2	21.2	123.9	0.014	7.9	2.53
77.4	11.0	0.02 27.6						
689.200	69.9	-310.5	14.3	20.8	124.4	0.011	7.9	2.53
77.5	11.4	0.02 28.0						
689.300	69.8	-310.1	14.3	20.0	126.3	0.009	7.9	2.52
77.5	11.8	0.02 28.1						
689.400	69.3	-309.8	14.4	19.1	132.4	0.008	7.9	2.52
77.5	11.7	0.02 28.2						
689.500	69.1	-309.6	14.5	18.8	136.7	0.007	7.8	2.52
77.5	11.5	0.02 28.5						
689.600	69.6	-309.4	14.4	18.6	138.0	0.010	7.9	2.52
77.5	11.7	0.02 28.5						
689.700	69.5	-309.1	14.4	18.5	146.2	0.015	7.9	2.52
77.5	11.5	0.02 28.6						
689.800	69.9	-309.0	14.3	18.3	144.5	0.017	7.9	2.53
77.5	11.4	0.02 28.7						
689.900	69.7	-308.8	14.3	18.2	141.0	0.012	7.9	2.53
77.5	10.9	0.02 28.8						
690.000	70.8	-308.7	14.1	18.1	141.5	0.011	7.9	2.53
77.5	11.0	0.02 28.8						
690.100	71.3	-308.5	14.0	18.0	143.6	0.010	7.8	2.52
77.5	11.7	0.02 28.2						
690.200	71.1	-308.4	14.1	17.9	142.7	0.007	7.9	2.53
77.5	11.5	0.02 28.5						
690.300	70.8	-308.4	14.1	17.8	138.4	0.007	7.8	2.53
77.5	11.1	0.02 27.8						
690.400	70.8	-308.3	14.1	17.7	137.1	0.009	7.9	2.53
77.5	11.1	0.02 27.6						
690.500	70.9	-308.1	14.1	17.8	139.7	0.009	7.8	2.54
77.5	10.7	0.02 27.6						
690.600	71.1	-308.1	14.1	17.8	138.9	0.010	7.9	2.54
77.5	10.6	0.02 27.8						
690.700	71.2	-308.0	14.0	17.9	138.0	0.008	7.9	2.54
77.5	10.8	0.02 27.9						
690.800	71.4	-308.0	14.0	17.9	142.3	0.005	7.9	2.54
77.5	10.4	0.02 28.1						
690.900	71.3	-308.0	14.0	17.8	139.3	0.006	7.9	2.54
77.5	10.5	0.02 28.2						
691.000	71.7	-308.0	13.9	17.8	136.7	0.002	7.9	2.54
77.5	10.5	0.02 28.1						
691.100	72.2	-308.0	13.8	17.8	135.8	0.002	7.9	2.55
77.5	10.2	0.02 27.8						
691.200	72.7	-307.9	13.7	17.8	129.3	0.010	7.9	2.56
77.5	9.5	0.02 27.8						
691.300	72.4	-307.9	13.8	17.7	129.8	0.013	7.8	2.56
77.5	9.1	0.02 27.5						
691.400	72.3	-307.8	13.8	17.6	130.4	0.020	7.9	2.58
77.5	8.3	0.02 27.5						
691.500	72.9	-307.8	13.7	17.6	127.0	0.027	7.9	2.58
77.5	8.3	0.01 28.0						

691.600	74.0	-307.9	13.5	17.6	125.9	0.025	7.9	2.59
77.5	7.6	0.01 28.3						
691.700	74.9	-307.9	13.4	17.5	123.7	0.025	7.9	2.59
77.5	7.3	0.01 28.1						
691.800	75.4	-307.9	13.3	17.5	121.6	0.031	7.8	2.59
77.5	7.3	0.01 28.2						
691.900	75.0	-307.9	13.3	17.3	122.6	0.032	7.9	2.60
77.5	6.7	0.01 28.4						
692.000	75.0	-307.9	13.3	17.2	121.3	0.038	7.9	2.61
77.5	6.2	0.01 28.0						
692.100	74.5	-307.9	13.4	17.1	124.4	0.042	7.9	2.62
77.5	5.5	0.01 27.7						
692.200	74.8	-307.9	13.4	17.1	125.7	0.041	7.9	2.62
77.5	5.6	0.01 27.5						
692.300	74.9	-307.9	13.3	17.1	118.3	0.041	7.9	2.61
77.5	6.2	0.01 27.4						
692.400	74.9	-308.0	13.3	17.0	117.4	0.038	7.9	2.61
77.5	6.4	0.02 27.4						
692.500	75.0	-308.0	13.3	17.0	120.5	0.032	7.9	2.61
77.5	6.5	0.02 27.1						
692.600	74.6	-308.0	13.4	17.0	119.4	0.027	7.9	2.60
77.5	6.6	0.02 27.4						
692.700	74.6	-308.0	13.4	16.9	119.8	0.023	7.9	2.60
77.5	7.1	0.02 28.6						
692.800	74.8	-308.0	13.4	17.0	120.5	0.021	7.9	2.60
77.5	7.0	0.02 29.0						
692.900	75.7	-307.9	13.2	17.1	122.8	0.028	7.9	2.59
77.5	7.8	0.02 29.8						
693.000	76.3	-307.9	13.1	17.0	125.9	0.028	7.9	2.59
77.5	7.7	0.02 29.1						
693.100	75.8	-307.8	13.2	17.2	127.4	0.023	7.9	2.59
77.5	7.4	0.02 29.0						
693.200	75.4	-307.7	13.3	17.2	129.6	0.025	7.9	2.59
77.5	7.7	0.02 28.6						
693.300	75.5	-307.7	13.3	17.2	132.6	0.022	7.9	2.59
77.5	7.8	0.02 28.9						
693.400	76.4	-307.6	13.1	17.2	131.7	0.020	7.9	2.58
77.5	8.4	0.02 29.3						
693.500	76.5	-307.6	13.1	17.2	131.7	0.018	7.9	2.57
77.5	8.6	0.02 29.9						
693.600	76.7	-307.5	13.0	16.9	132.8	0.017	7.9	2.56
77.5	9.3	0.02 30.1						
693.700	76.4	-307.4	13.1	16.9	135.8	0.019	7.9	2.56
77.5	9.3	0.02 30.3						
693.800	76.8	-307.4	13.0	16.6	138.9	0.016	7.9	2.57
77.5	9.0	0.01 30.4						
693.900	76.4	-307.3	13.1	16.6	140.2	0.018	7.9	2.57
77.5	8.9	0.01 30.6						
694.000	76.8	-307.3	13.0	16.5	136.7	0.016	7.9	2.56
77.5	9.0	0.01 30.7						
694.100	76.2	-307.3	13.1	16.4	133.9	0.012	7.9	2.55
77.5	9.7	0.01 30.9						
694.200	76.1	-307.3	13.1	16.4	135.6	0.007	7.8	2.55
77.5	9.8	0.01 30.2						

694.300	76.1	-307.3	13.1	16.4	133.7	0.008	7.9	2.54
77.5	10.6	0.01	30.0					
694.400	76.2	-307.3	13.1	16.3	131.9	0.010	7.8	2.54
77.6	10.7	0.01	28.9					
694.500	77.1	-307.3	13.0	16.3	131.1	0.007	7.9	2.54
77.5	10.5	0.02	29.6					
694.600	77.6	-307.3	12.9	16.2	128.5	0.012	7.9	2.53
77.6	11.3	0.02	29.5					
694.700	78.4	-307.3	12.8	16.2	128.9	0.011	7.8	2.52
77.5	11.7	0.02	30.6					
694.800	77.8	-307.3	12.9	16.2	130.4	0.009	7.9	2.52
77.6	12.0	0.02	30.3					
694.900	77.1	-307.3	13.0	16.2	129.3	0.012	7.8	2.52
77.5	11.7	0.02	29.7					
695.000	76.6	-307.3	13.1	16.3	128.7	0.015	7.8	2.52
77.6	11.9	0.02	29.3					
695.100	76.8	-307.3	13.0	16.3	123.3	0.019	7.9	2.51
77.6	12.2	0.02	29.1					
695.200	77.3	-307.4	12.9	16.4	122.0	0.016	7.8	2.51
77.5	12.2	0.02	28.8					
695.300	77.2	-307.4	13.0	16.4	120.7	0.019	7.9	2.52
77.5	11.9	0.02	28.6					
695.400	77.0	-307.5	13.0	16.4	120.7	0.024	7.8	2.52
77.6	11.9	0.02	28.4					
695.500	77.0	-307.6	13.0	16.3	123.3	0.023	7.9	2.52
77.6	11.9	0.02	28.2					
695.600	77.6	-307.7	12.9	16.3	123.5	0.020	7.8	2.52
77.6	11.8	0.01	28.0					
695.700	77.4	-307.8	12.9	16.2	122.6	0.020	7.9	2.52
77.6	12.0	0.01	27.3					
695.800	78.0	-307.8	12.8	16.2	121.3	0.019	7.9	2.52
77.6	11.9	0.01	27.1					
695.900	77.6	-307.9	12.9	16.2	121.8	0.015	7.9	2.52
77.6	12.1	0.01	27.5					
696.000	77.5	-308.0	12.9	16.1	120.9	0.015	7.9	2.51
77.6	12.4	0.01	26.7					
696.100	76.7	-308.0	13.0	16.0	121.6	0.015	7.9	2.52
77.6	12.1	0.01	26.6					
696.200	77.1	-308.0	13.0	16.0	122.8	0.014	7.9	2.52
77.6	11.7	0.01	26.2					
696.300	78.5	-308.0	12.7	16.1	120.3	0.011	7.9	2.52
77.6	11.5	0.01	26.1					
696.400	78.8	-308.0	12.7	16.0	122.0	0.011	7.9	2.52
77.6	11.6	0.01	26.3					
696.500	79.4	-307.9	12.6	15.9	121.6	0.013	7.9	2.53
77.6	11.1	0.01	26.7					
696.600	79.2	-307.8	12.6	15.8	124.1	0.013	7.9	2.54
77.6	10.7	0.01	26.8					
696.700	80.0	-307.7	12.5	15.8	122.2	0.009	7.9	2.55
77.6	9.9	0.01	26.7					
696.800	79.8	-307.6	12.5	15.8	124.4	0.018	7.9	2.54
77.6	10.3	0.01	26.6					
696.900	79.9	-307.6	12.5	15.7	126.7	0.019	7.9	2.55
77.6	10.1	0.02	26.8					

697.000	79.2	-307.5	12.6	15.7	125.9	0.017	7.9	2.55
77.6	10.0	0.02	26.9					
697.100	78.8	-307.5	12.7	15.7	128.3	0.017	7.9	2.55
77.6	9.8	0.02	26.9					
697.200	78.9	-307.5	12.7	15.7	126.5	0.017	7.9	2.56
77.6	9.5	0.01	27.0					
697.300	79.3	-307.4	12.6	15.7	127.2	0.016	7.9	2.56
77.6	9.5	0.02	27.7					
697.400	79.9	-307.4	12.5	15.7	128.0	0.013	7.9	2.56
77.6	9.5	0.02	27.9					
697.500	79.2	-307.4	12.6	15.7	128.3	0.012	7.9	2.56
77.6	9.3	0.02	28.3					
697.600	79.0	-307.3	12.7	15.6	129.8	0.014	7.9	2.57
77.6	9.0	0.02	28.7					
697.700	79.2	-307.3	12.6	15.6	130.6	0.017	7.9	2.56
77.6	9.3	0.02	28.6					
697.800	79.7	-307.3	12.5	15.5	131.3	0.013	7.9	2.56
77.6	9.3	0.02	28.4					
697.900	79.2	-307.3	12.6	15.5	131.9	0.010	7.9	2.56
77.6	9.3	0.02	28.2					
698.000	79.6	-307.2	12.6	15.4	133.0	0.011	7.9	2.55
77.6	9.6	0.02	27.4					
698.100	79.9	-307.1	12.5	15.4	131.1	0.003	7.9	2.55
77.6	9.8	0.02	27.4					
698.200	80.7	-307.0	12.4	15.3	133.4	0.001	7.9	2.54
77.6	10.6	0.02	27.6					
698.300	81.0	-306.9	12.3	15.3	133.4	0.002	7.9	2.55
77.6	10.1	0.02	28.1					
698.400	81.3	-306.9	12.3	15.1	129.3	0.003	7.9	2.54
77.6	10.3	0.01	27.9					
698.500	81.9	-306.8	12.2	15.0	128.5	0.003	7.9	2.54
77.6	10.4	0.01	27.8					
698.600	82.2	-306.8	12.2	15.0	127.2	0.003	7.9	2.54
77.6	10.7	0.02	27.3					
698.700	81.9	-306.7	12.2	14.9	129.8	0.005	7.9	2.53
77.6	10.9	0.02	27.1					
698.800	81.7	-306.7	12.2	14.8	131.7	0.006	7.9	2.54
77.6	10.6	0.02	26.4					
698.900	81.2	-306.6	12.3	14.8	130.4	0.007	7.9	2.54
77.6	10.3	0.02	25.8					
699.000	81.9	-306.6	12.2	14.8	131.1	0.003	7.9	2.54
77.6	10.6	0.02	25.5					
699.100	82.2	-306.6	12.2	14.8	128.9	0.006	7.9	2.54
77.6	10.8	0.02	24.6					
699.200	83.0	-306.5	12.0	14.7	125.9	0.006	7.9	2.54
77.6	10.5	0.02	24.4					
699.300	82.9	-306.5	12.1	14.7	124.8	0.005	7.9	2.54
77.6	10.6	0.02	24.6					
699.400	82.6	-306.5	12.1	14.7	120.7	0.005	7.8	2.54
77.6	10.7	0.02	24.8					
699.500	81.7	-306.5	12.2	14.6	120.0	0.008	7.9	2.53
77.6	10.9	0.02	25.3					
699.600	82.4	-306.5	12.1	14.6	120.7	0.007	7.9	2.54
77.6	10.6	0.02	24.8					

699.700	83.3	-306.5	12.0	14.6	116.8	0.004	7.9	2.54
77.6 10.7	0.02	25.2						
699.800	84.1	-306.5	11.9	14.5	119.0	0.003	7.9	2.53
77.6 11.3	0.02	24.8						
699.900	85.1	-306.5	11.8	14.5	120.3	0.004	7.9	2.53
77.6 11.2	0.02	25.0						
700.000	85.9	-306.5	11.6	14.5	118.5	0.004	7.9	2.53
77.7 11.3	0.02	25.2						
700.100	86.3	-306.5	11.6	14.4	119.8	0.004	7.9	2.53
77.6 11.2	0.02	25.4						
700.200	85.8	-306.5	11.7	14.5	116.4	0.001	7.9	2.53
77.7 10.9	0.02	25.3						
700.300	85.6	-306.5	11.7	14.6	115.5	0.000	7.9	2.54
77.7 10.6	0.02	25.4						
700.400	85.9	-306.5	11.6	14.5	116.8	0.001	7.9	2.54
77.7 10.5	0.02	25.3						
700.500	85.8	-306.5	11.7	14.5	115.3	0.002	7.9	2.54
77.7 10.4	0.01	26.0						
700.600	85.4	-306.5	11.7	14.5	116.6	0.002	7.9	2.54
77.7 10.6	0.01	26.8						
700.700	84.9	-306.5	11.8	14.4	115.9	0.001	7.9	2.54
77.7 10.8	0.02	26.9						
700.800	85.0	-306.4	11.8	14.4	117.9	0.002	7.9	2.53
77.7 11.0	0.02	26.9						
700.900	85.7	-306.4	11.7	14.3	119.8	0.002	7.9	2.53
77.7 10.9	0.02	27.2						
701.000	85.7	-306.4	11.7	14.2	117.4	0.004	7.9	2.54
77.7 10.8	0.02	26.9						
701.100	85.9	-306.4	11.6	14.1	117.2	0.005	7.9	2.53
77.7 11.0	0.02	27.6						
701.200	85.7	-306.4	11.7	14.1	116.8	0.005	7.9	2.54
77.7 10.7	0.02	27.2						
701.300	86.1	-306.3	11.6	14.1	112.7	0.005	7.9	2.54
77.7 10.8	0.02	27.1						
701.400	86.5	-306.3	11.6	14.1	114.8	0.005	7.9	2.53
77.7 10.9	0.02	26.9						
701.500	86.3	-306.3	11.6	14.0	114.0	0.004	7.9	2.54
77.7 10.8	0.02	26.5						
701.600	86.0	-306.3	11.6	14.1	116.1	0.005	7.9	2.54
77.7 10.7	0.02	26.6						
701.700	85.6	-306.3	11.7	14.1	116.6	0.004	7.9	2.54
77.7 10.8	0.01	26.6						
701.800	86.2	-306.4	11.6	14.3	114.8	0.006	7.9	2.53
77.7 11.3	0.01	26.3						
701.900	86.2	-306.4	11.6	14.2	112.7	0.005	7.9	2.52
77.7 11.6	0.01	27.1						
702.000	86.6	-306.5	11.6	14.3	114.2	0.004	7.9	2.52
77.7 11.8	0.01	26.1						
702.100	85.7	-306.5	11.7	14.4	110.7	0.003	7.9	2.52
77.7 11.6	0.01	25.6						
702.200	86.3	-306.6	11.6	14.5	113.5	0.003	7.9	2.52
77.7 11.7	0.01	25.5						
702.300	85.6	-306.6	11.7	14.5	111.8	0.000	7.9	2.52
77.7 11.7	0.01	25.3						

702.400	86.1	-306.7	11.6	14.5	110.7	-0.001	7.9	2.52
77.7	11.5	0.01	24.7					
702.500	84.8	-306.7	11.8	14.5	112.0	0.004	7.9	2.52
77.7	11.7	0.01	24.5					
702.600	84.6	-306.7	11.8	14.7	111.8	0.003	7.9	2.53
77.7	11.3	0.01	24.1					
702.700	83.7	-306.7	11.9	14.7	112.3	0.006	7.9	2.52
77.7	11.9	0.01	24.3					
702.800	84.1	-306.7	11.9	14.8	112.5	0.004	7.9	2.52
77.7	11.6	0.02	24.5					
702.900	83.8	-306.7	11.9	15.0	108.1	0.003	7.9	2.52
77.7	11.6	0.02	24.4					
703.000	84.3	-306.7	11.9	14.9	109.9	0.004	7.9	2.52
77.7	11.6	0.02	24.5					
703.100	83.3	-306.7	12.0	14.9	106.8	0.001	7.9	2.52
77.7	11.8	0.02	24.4					
703.200	82.7	-306.7	12.1	15.0	109.0	0.001	7.9	2.52
77.7	11.9	0.02	24.2					
703.300	81.6	-306.7	12.3	15.0	107.5	0.001	7.9	2.52
77.7	11.9	0.02	24.1					
703.400	81.7	-306.7	12.2	15.0	107.9	-0.000	7.9	2.52
77.7	11.5	0.02	23.8					
703.500	80.9	-306.8	12.4	15.0	107.9	0.003	7.9	2.52
77.7	11.6	0.02	23.8					
703.600	79.9	-306.9	12.5	15.0	110.5	0.004	7.9	2.52
77.7	11.6	0.02	23.5					
703.700	78.1	-306.9	12.8	15.2	110.5	0.004	7.9	2.53
77.7	10.9	0.02	23.2					
703.800	77.3	-307.0	12.9	15.4	110.5	0.004	7.9	2.54
77.7	10.5	0.02	22.9					
703.900	75.9	-307.1	13.2	15.5	109.0	0.004	7.9	2.53
77.7	10.9	0.02	23.3					
704.000	75.1	-307.2	13.3	15.6	107.3	0.002	7.9	2.54
77.7	10.4	0.02	23.1					
704.100	74.5	-307.2	13.4	15.8	108.1	0.006	7.9	2.54
77.7	10.7	0.02	23.3					
704.200	74.8	-307.4	13.4	16.0	109.9	0.006	7.9	2.54
77.7	10.3	0.02	23.0					
704.300	75.4	-307.4	13.3	16.1	110.5	0.006	7.9	2.54
77.7	10.3	0.02	22.8					
704.400	75.7	-307.5	13.2	16.2	112.3	0.007	7.9	2.55
77.7	10.1	0.02	22.2					
704.500	76.5	-307.7	13.1	16.2	112.0	0.006	7.9	2.55
77.7	9.7	0.02	22.4					
704.600	76.3	-307.8	13.1	16.2	109.9	0.008	7.9	2.56
77.7	9.3	0.02	22.5					
704.700	75.6	-307.9	13.2	16.2	107.5	0.011	7.9	2.56
77.7	9.4	0.02	22.9					
704.800	74.4	-308.0	13.4	16.3	110.7	0.009	7.9	2.56
77.7	9.4	0.02	23.8					
704.900	74.5	-308.1	13.4	16.2	110.7	0.009	7.9	2.55
77.7	9.7	0.02	23.6					
705.000	74.8	-308.3	13.4	16.2	111.2	0.008	7.9	2.56
77.7	9.2	0.02	23.6					

705.100	75.9	-308.5	13.2	16.0	106.4	0.009	7.9	2.56
77.7	9.1	0.02 24.5						
705.200	76.7	-308.6	13.0	16.1	105.1	0.010	7.9	2.56
77.7	9.4	0.02 25.2						
705.300	78.0	-308.7	12.8	16.0	106.0	0.010	7.9	2.55
77.7	9.9	0.02 25.4						
705.400	78.4	-308.9	12.8	16.0	107.9	0.009	7.9	2.55
77.7	10.2	0.02 25.4						
705.500	77.7	-309.1	12.9	15.8	107.5	0.008	7.9	2.54
77.8	10.7	0.02 25.8						
705.600	77.9	-309.2	12.8	15.7	104.9	0.008	7.9	2.53
77.7	11.0	0.01 25.7						
705.700	77.3	-309.4	12.9	15.6	107.5	0.006	7.9	2.54
77.8	10.9	0.01 25.6						
705.800	78.3	-309.6	12.8	15.4	106.8	0.006	7.9	2.54
77.7	10.6	0.00 25.9						
705.900	79.5	-309.8	12.6	15.2	103.8	0.008	7.9	2.54
77.8	10.7	0.00 26.8						
706.000	81.3	-309.9	12.3	15.0	106.2	0.006	7.9	2.54
77.8	10.7	0.00 26.7						
706.100	82.4	-310.1	12.1	14.8	107.9	0.006	7.9	2.53
77.8	11.2	0.00 27.4						
706.200	83.1	-310.2	12.0	14.5	109.4	0.005	7.9	2.53
77.8	11.3	0.00 27.3						
706.300	84.1	-310.4	11.9	14.2	108.1	0.005	7.9	2.53
77.8	11.5	0.00 27.0						
706.400	84.9	-310.7	11.8	13.9	112.9	0.001	7.9	2.51
77.8	12.5	0.00 27.8						
706.500	85.4	-311.0	11.7	13.5	112.0	-0.003	7.9	2.48
77.8	14.1	0.01 27.8						
706.600	85.2	-311.4	11.7	13.0	119.8	-0.005	7.9	2.46
77.8	15.6	0.01 27.7						
706.700	85.3	-311.8	11.7	12.6	118.3	-0.006	7.9	2.44
77.8	16.6	0.01 27.3						
706.800	84.3	-312.4	11.9	12.1	118.7	0.003	8.0	2.42
77.8	17.8	0.01 29.2						
706.900	83.8	-313.1	11.9	11.7	119.0	0.007	8.0	2.40
77.8	19.5	0.01 29.3						
707.000	81.9	-314.1	12.2	11.4	120.7	0.009	8.0	2.35
77.8	22.3	0.01 29.6						
707.100	80.6	-315.4	12.4	11.2	123.5	0.006	8.0	2.30
77.8	25.4	0.02 30.1						
707.200	79.1	-317.0	12.6	11.0	117.9	-0.003	8.0	2.24
77.8	28.9	0.02 31.4						
707.300	78.2	-319.1	12.8	11.0	116.6	-0.008	8.0	2.20
77.6	32.0	0.03 31.4						
707.400	77.5	-321.9	12.9	11.1	120.0	-0.010	8.0	2.16
77.8	34.0	0.03 31.1						
707.500	77.3	-325.4	12.9	11.3	117.0	-0.003	8.0	2.12
77.8	36.4	0.02 31.7						
707.600	77.4	-329.5	12.9	11.5	116.1	-0.004	8.1	2.09
77.8	38.3	0.02 31.8						
707.700	77.8	-333.5	12.9	11.8	114.0	-0.008	8.1	2.06
77.8	40.2	0.03 33.7						

707.800	77.5	-336.8	12.9	12.2	114.0	-0.010	8.0	2.04
77.8	41.5	0.03	33.9					
707.900	78.1	-339.6	12.8	12.7	112.0	-0.012	8.0	2.04
77.8	41.6	0.02	33.4					
708.000	78.4	-341.7	12.8	13.3	112.9	-0.015	8.0	2.05
77.8	40.8	0.01	34.2					
708.100	79.3	-343.4	12.6	13.9	109.4	-0.023	7.9	2.07
77.8	40.0	0.01	34.3					
708.200	79.4	-344.8	12.6	14.4	110.5	-0.027	8.0	2.09
77.8	38.7	0.01	34.8					
708.300	80.6	-345.6	12.4	15.0	115.3	-0.023	8.0	2.11
77.8	37.1	0.01	32.9					
708.400	81.5	-345.5	12.3	15.4	118.3	-0.017	8.0	2.14
77.8	35.1	0.01	33.0					
708.500	82.8	-344.3	12.1	15.6	120.9	-0.010	7.9	2.19
77.8	32.2	0.01	32.6					
708.600	83.2	-341.9	12.0	15.6	122.6	-0.003	7.9	2.24
77.8	28.9	0.01	32.1					
708.700	84.1	-338.5	11.9	15.3	125.7	-0.000	7.9	2.30
77.8	25.7	0.01	30.7					
708.800	84.3	-335.1	11.9	15.0	131.7	-0.004	7.9	2.34
77.8	22.7	0.01	30.6					
708.900	85.7	-331.8	11.7	14.4	135.2	0.003	7.9	2.38
77.8	20.6	0.01	31.0					
709.000	87.3	-328.9	11.5	14.0	138.0	0.010	7.9	2.41
77.8	18.5	0.02	30.6					
709.100	89.9	-326.3	11.1	13.6	138.4	0.017	7.9	2.45
77.8	16.4	0.02	30.1					
709.200	91.3	-323.7	10.9	13.2	141.9	0.022	7.9	2.47
77.8	14.6	0.01	29.2					
709.300	93.1	-321.1	10.7	13.0	143.6	0.025	7.9	2.50
77.8	12.8	0.02	28.7					
709.400	93.5	-318.7	10.7	12.8	146.4	0.027	7.9	2.52
77.8	11.9	0.02	28.7					
709.500	94.7	-316.5	10.6	12.7	152.5	0.027	7.9	2.53
77.8	11.2	0.02	28.3					
709.600	94.7	-314.9	10.6	12.7	155.7	0.026	7.9	2.54
77.8	10.8	0.02	28.4					
709.700	95.2	-313.5	10.5	12.7	159.2	0.024	7.9	2.53
77.8	11.0	0.02	28.1					
709.800	95.0	-312.5	10.5	12.6	154.4	0.025	7.9	2.53
77.8	11.3	0.02	28.6					
709.900	93.8	-311.7	10.7	12.6	150.3	0.022	7.9	2.53
77.8	11.1	0.02	28.6					
710.000	92.2	-311.2	10.9	12.5	151.0	0.023	7.9	2.53
77.8	11.0	0.01	28.8					
710.100	90.3	-311.0	11.1	12.4	150.8	0.021	7.9	2.54
77.8	10.8	0.02	29.2					
710.200	89.6	-310.9	11.2	12.3	149.0	0.019	7.9	2.54
77.8	10.3	0.01	29.5					
710.300	88.0	-311.1	11.4	12.2	145.6	0.018	7.9	2.54
77.8	10.6	0.01	29.4					
710.400	88.1	-311.4	11.4	12.1	143.0	0.016	7.9	2.53
77.8	11.2	0.01	29.2					

710.500	88.1	-311.7	11.4	12.0	144.0	0.015	7.8	2.53
77.8	11.0	0.02	29.1					
710.600	89.2	-312.0	11.2	12.0	148.8	0.018	7.9	2.53
77.8	11.1	0.01	29.3					
710.700	88.6	-312.4	11.3	12.0	146.6	0.015	7.9	2.53
77.8	11.1	0.01	28.5					
710.800	88.1	-312.7	11.3	12.0	147.1	0.016	7.9	2.53
77.8	11.0	0.01	28.8					
710.900	88.9	-313.0	11.3	12.0	143.2	0.017	7.9	2.53
77.8	11.0	0.01	28.8					
711.000	89.5	-313.2	11.2	12.0	138.4	0.016	7.9	2.53
77.8	11.4	0.02	28.7					
711.100	89.7	-313.3	11.1	12.2	136.0	0.015	7.8	2.53
77.8	11.4	0.02	28.5					
711.200	89.2	-313.4	11.2	12.2	134.3	0.015	7.9	2.52
77.8	11.5	0.02	28.6					
711.300	89.1	-313.3	11.2	12.2	131.7	0.012	7.9	2.52
77.8	11.8	0.02	28.3					
711.400	90.3	-313.1	11.1	12.2	135.4	0.011	7.9	2.52
77.8	12.0	0.02	28.9					
711.500	91.1	-312.8	11.0	12.2	133.0	0.007	7.9	2.52
77.8	12.1	0.02	28.8					
711.600	91.5	-312.6	10.9	12.3	134.1	0.006	7.9	2.51
77.8	12.5	0.02	28.4					
711.700	90.9	-312.3	11.0	12.3	138.4	0.007	7.9	2.50
77.8	13.2	0.02	29.0					
711.800	90.3	-312.0	11.1	12.4	142.3	0.011	7.9	2.50
77.8	13.0	0.02	29.2					
711.900	90.2	-311.8	11.1	12.5	141.0	0.009	7.9	2.50
77.9	12.9	0.02	29.2					
712.000	90.2	-311.6	11.1	12.6	142.1	0.012	7.9	2.50
77.9	13.1	0.01	29.6					
712.100	90.7	-311.4	11.0	12.6	142.5	0.016	7.9	2.50
77.8	13.2	0.01	29.4					
712.200	92.0	-311.2	10.9	12.8	147.5	0.015	7.9	2.49
77.9	13.4	0.01	29.6					
712.300	94.0	-311.1	10.6	12.8	147.1	0.016	7.9	2.48
77.8	14.2	0.01	29.5					
712.400	94.6	-311.0	10.6	12.9	151.4	0.014	7.9	2.48
77.9	14.6	0.01	30.9					
712.500	95.3	-311.0	10.5	12.8	151.4	0.013	7.8	2.47
77.9	14.8	0.01	30.9					
712.600	95.8	-311.0	10.4	12.8	153.8	0.013	7.9	2.46
77.9	15.3	0.01	31.0					
712.700	96.7	-310.9	10.3	12.8	154.6	0.014	7.9	2.46
77.9	15.6	0.01	31.6					
712.800	96.9	-310.9	10.3	12.9	159.8	0.017	7.9	2.46
77.9	15.3	0.01	31.5					
712.900	96.9	-310.9	10.3	12.9	163.1	0.018	7.8	2.46
77.9	15.7	0.01	31.5					
713.000	96.8	-310.9	10.3	13.0	165.5	0.016	7.8	2.45
77.9	16.0	0.01	31.6					
713.100	96.7	-310.9	10.3	13.1	164.4	0.014	7.9	2.45
77.9	16.0	0.01	32.4					

713.200	96.7	-310.9	10.3	13.2	162.0	0.016	7.8	2.45
77.9	16.1	0.01	31.7					
713.300	96.4	-310.9	10.4	13.3	158.1	0.015	7.8	2.45
77.9	16.2	0.01	33.3					
713.400	96.0	-310.9	10.4	13.4	158.3	0.013	7.9	2.45
77.9	16.4	0.01	33.8					
713.500	94.7	-310.9	10.6	13.6	153.8	0.011	7.8	2.44
77.9	16.6	0.01	33.4					
713.600	93.5	-311.0	10.7	13.7	154.4	0.010	7.9	2.44
77.9	17.0	0.01	33.8					
713.700	93.2	-311.2	10.7	13.9	149.5	0.009	7.9	2.44
77.9	17.0	0.01	33.9					
713.800	92.6	-311.4	10.8	13.9	152.7	0.006	7.9	2.43
77.9	17.1	0.01	33.4					
713.900	91.8	-311.7	10.9	14.1	151.0	0.004	7.9	2.43
77.9	17.1	0.01	32.0					
714.000	90.3	-312.1	11.1	14.2	150.5	0.002	7.8	2.44
77.9	16.5	0.01	31.7					
714.100	88.7	-312.5	11.3	14.3	149.0	0.002	7.9	2.46
77.9	15.3	0.01	31.8					
714.200	88.0	-313.2	11.4	14.5	149.2	0.006	7.9	2.48
77.9	14.4	0.01	30.5					
714.300	86.9	-314.1	11.5	14.6	144.0	0.006	7.9	2.49
77.9	13.9	0.01	30.5					
714.400	86.6	-315.1	11.5	14.7	139.1	0.004	7.9	2.50
77.9	13.0	0.01	30.0					
714.500	85.0	-316.6	11.8	14.8	135.8	-0.001	7.9	2.52
77.9	12.1	0.01	30.0					
714.600	83.7	-318.4	12.0	15.0	134.3	-0.002	7.9	2.53
77.9	11.4	0.01	29.7					
714.700	81.5	-320.9	12.3	15.2	133.7	-0.007	7.9	2.55
77.9	10.2	0.01	29.9					
714.800	79.7	-324.0	12.5	15.5	132.2	-0.003	8.0	2.57
77.9	8.7	0.01	28.4					
714.900	77.9	-327.7	12.8	15.7	133.7	0.008	8.0	2.60
77.9	6.8	0.01	27.7					
715.000	76.9	-332.5	13.0	16.0	135.6	0.021	7.9	2.63
77.9	5.1	0.01	27.3					
715.100	76.1	-338.3	13.1	16.4	131.5	0.034	7.9	2.64
77.9	4.1	0.01	26.9					
715.200	75.7	-345.2	13.2	17.0	132.2	0.044	8.0	2.63
77.9	4.7	0.01	26.3					
715.300	74.0	-353.1	13.5	17.6	128.9	0.044	8.0	2.64
77.9	4.3	0.02	26.6					
715.400	72.8	-361.6	13.7	18.3	122.2	0.046	8.0	2.64
77.9	4.6	0.02	26.5					
715.500	71.2	-370.0	14.0	19.2	117.0	0.042	7.9	2.63
77.9	5.0	0.01	26.4					
715.600	70.7	-377.1	14.1	20.3	113.1	0.050	7.8	2.61
77.9	6.3	0.01	26.1					
715.700	69.6	-383.2	14.4	21.7	107.3	0.059	7.8	2.59
77.9	7.7	0.01	26.1					
715.800	68.7	-388.3	14.6	23.0	107.5	0.064	7.8	2.57
77.9	9.0	0.01	26.0					

715.900	67.3	-392.6	14.9	24.5	105.1	0.067	7.7	2.55
77.9	10.1	0.01	25.8					
716.000	66.7	-396.0	15.0	26.1	103.0	0.070	7.7	2.52
77.9	11.6	0.01	25.5					
716.100	65.6	-398.2	15.2	27.5	101.9	0.064	7.7	2.50
77.9	13.0	0.01	24.5					
716.200	64.5	-398.9	15.5	28.9	100.6	0.051	7.7	2.48
77.9	14.4	0.01	24.0					
716.300	62.8	-398.2	15.9	30.0	99.9	0.039	7.7	2.45
77.9	16.2	0.01	23.4					
716.400	60.8	-396.0	16.5	30.7	96.7	0.029	7.7	2.41
77.9	18.4	0.01	23.3					
716.500	59.8	-392.6	16.7	31.4	94.3	0.020	7.7	2.38
77.9	20.4	0.01	23.2					
716.600	57.8	-388.9	17.3	31.8	95.6	0.021	7.8	2.37
77.9	21.2	0.01	22.6					
716.700	57.1	-385.9	17.5	31.9	98.4	0.016	7.8	2.38
77.9	20.6	0.01	22.1					
716.800	55.5	-383.2	18.0	32.2	98.0	0.013	7.8	2.39
77.9	19.8	0.01	21.8					
716.900	55.7	-380.5	18.0	32.3	97.8	0.010	7.9	2.41
77.9	18.7	0.01	21.1					
717.000	54.2	-377.6	18.5	32.6	99.9	0.005	7.8	2.42
77.9	17.8	0.01	20.7					
717.100	52.8	-374.5	18.9	33.1	103.8	0.009	7.8	2.44
77.9	17.0	0.01	20.7					
717.200	51.8	-371.4	19.3	33.9	108.4	0.009	7.8	2.45
77.9	16.4	0.01	20.6					
717.300	51.0	-368.4	19.6	34.6	110.3	0.007	7.8	2.47
77.9	15.2	0.01	20.2					
717.400	50.1	-365.5	20.0	35.5	111.4	0.010	7.7	2.48
77.9	14.2	0.01	20.2					
717.500	48.3	-362.8	20.7	36.4	115.3	0.013	7.8	2.51
77.9	12.7	0.01	19.8					
717.600	47.4	-360.2	21.1	38.1	117.4	0.016	7.8	2.53
77.9	11.4	0.01	19.7					
717.700	46.4	-357.7	21.6	39.6	117.0	0.016	7.8	2.54
77.9	10.3	0.01	19.8					
717.800	45.3	-355.0	22.1	41.6	117.7	0.016	7.8	2.56
77.9	9.5	0.01	19.8					
717.900	43.9	-352.3	22.8	42.8	115.7	0.019	7.8	2.58
78.0	7.8	0.01	19.5					
718.000	42.8	-349.6	23.4	45.0	114.6	0.020	7.8	2.60
77.9	7.0	0.01	19.9					
718.100	42.0	-347.1	23.8	47.7	112.5	0.020	7.9	2.62
78.0	5.8	0.01	20.5					
718.200	41.5	-344.9	24.1	49.8	105.5	0.014	7.9	2.63
77.9	4.7	0.01	20.5					
718.300	40.3	-342.7	24.8	51.7	102.1	0.014	7.9	2.63
78.0	5.0	0.01	20.8					
718.400	39.6	-340.5	25.3	53.5	104.9	0.006	7.9	2.64
78.0	4.5	0.01	21.2					
718.500	38.5	-338.4	26.0	55.1	103.2	0.008	7.9	2.64
78.0	4.1	0.01	21.6					

718.600	38.2	-336.3	26.2	57.4	97.3	0.013	7.9	2.66
77.9	3.3	0.01	21.2					
718.700	37.4	-334.3	26.8	58.6	92.8	0.017	7.9	2.66
77.9	2.9	0.01	21.3					
718.800	36.4	-332.6	27.5	60.4	90.0	0.016	7.9	2.67
77.9	2.7	0.01	21.4					
718.900	35.5	-331.1	28.2	62.4	87.6	0.014	7.9	2.67
78.0	2.3	0.02	21.3					
719.000	35.8	-329.8	28.0	62.8	84.1	0.015	7.9	2.67
78.0	2.6	0.02	21.1					
719.100	36.1	-328.9	27.7	63.1	78.5	0.016	7.9	2.67
78.0	2.8	0.02	21.7					
719.200	36.4	-328.1	27.5	64.4	77.4	0.017	7.9	2.67
78.0	2.6	0.02	21.5					
719.300	36.1	-327.4	27.7	65.5	78.9	0.019	7.9	2.67
78.0	2.2	0.02	21.4					
719.400	35.3	-326.8	28.4	65.8	79.2	0.028	7.9	2.67
78.0	2.5	0.02	21.3					
719.500	35.2	-326.3	28.4	64.6	78.9	0.033	7.9	2.67
78.0	2.6	0.02	20.8					
719.600	34.5	-325.9	29.1	62.9	79.4	0.031	7.9	2.66
78.0	3.1	0.02	20.5					
719.700	34.5	-325.6	29.0	62.6	80.2	0.035	7.9	2.64
78.0	4.3	0.02	20.3					
719.800	34.2	-325.3	29.2	61.7	83.1	0.032	7.9	2.63
78.0	4.8	0.02	20.0					
719.900	34.2	-325.0	29.3	61.3	86.3	0.029	7.9	2.63
78.0	5.1	0.02	19.9					
720.000	34.2	-324.7	29.2	59.4	88.0	0.030	7.9	2.61
78.0	6.0	0.02	19.4					
720.100	33.8	-324.4	29.6	58.2	88.7	0.036	7.9	2.59
78.0	7.3	0.02	19.6					
720.200	33.8	-324.1	29.6	58.1	87.8	0.037	7.8	2.58
78.0	8.2	0.01	19.2					
720.300	33.7	-323.7	29.7	57.9	86.7	0.034	7.8	2.56
78.0	9.3	0.01	19.2					
720.400	34.0	-323.2	29.4	57.6	84.8	0.035	7.8	2.54
78.0	10.3	0.01	19.2					
720.500	33.7	-322.8	29.7	58.3	86.1	0.035	7.9	2.55
78.0	10.1	0.01	19.1					
720.600	33.1	-322.3	30.2	57.6	86.5	0.045	7.8	2.54
78.0	10.6	0.01	18.8					
720.700	32.6	-321.9	30.7	59.1	87.6	0.042	7.7	2.53
78.0	11.0	0.01	18.6					
720.800	32.9	-321.5	30.4	60.3	82.6	0.041	7.7	2.52
78.0	11.9	0.01	18.7					
720.900	32.9	-321.2	30.4	61.6	80.7	0.042	7.7	2.50
78.0	12.7	0.01	18.7					
721.000	32.4	-320.9	30.8	63.0	80.0	0.038	7.7	2.50
78.0	12.8	0.01	18.4					
721.100	32.4	-320.7	30.9	64.0	77.0	0.039	7.7	2.50
78.0	12.9	0.01	18.5					
721.200	32.5	-320.6	30.8	64.4	76.1	0.034	7.7	2.51
78.0	12.6	0.01	18.8					

721.300	33.1	-320.5	30.3	65.0	72.5	0.026	7.7	2.51
78.0	12.2	0.01	18.7					
721.400	33.1	-320.5	30.2	63.1	65.3	0.018	7.7	2.51
78.0	12.2	0.01	18.6					
721.500	33.4	-320.4	29.9	62.7	62.7	0.019	7.8	2.52
78.0	12.1	0.01	18.8					
721.600	33.5	-320.3	29.8	60.6	65.1	0.023	7.8	2.52
78.0	11.7	0.01	18.7					
721.700	33.9	-320.1	29.5	59.8	63.8	0.022	7.9	2.54
78.0	10.4	0.01	19.5					
721.800	34.2	-320.0	29.2	59.3	64.7	0.031	8.0	2.56
78.0	9.2	0.01	19.6					
721.900	35.1	-319.7	28.5	59.1	70.1	0.025	8.0	2.57
78.0	8.4	0.01	19.7					
722.000	36.0	-319.4	27.8	58.0	68.6	0.026	8.0	2.57
78.0	8.8	0.01	20.2					
722.100	36.5	-319.1	27.4	58.7	71.2	0.025	7.9	2.57
78.0	8.5	0.01	20.3					
722.200	36.9	-318.7	27.1	57.8	72.5	0.027	7.9	2.57
78.0	8.5	0.01	20.9					
722.300	37.3	-318.3	26.8	57.4	77.4	0.033	7.9	2.57
78.0	8.7	0.01	21.1					
722.400	37.8	-318.0	26.4	55.9	82.0	0.031	7.8	2.57
78.0	8.5	0.01	21.5					
722.500	38.6	-317.6	25.9	53.9	88.7	0.035	7.9	2.57
78.0	8.4	0.01	22.7					
722.600	38.9	-317.4	25.7	51.0	93.9	0.037	7.9	2.57
78.0	8.6	0.01	23.2					
722.700	39.1	-317.2	25.6	48.4	101.2	0.037	7.9	2.58
78.0	8.0	0.01	23.9					
722.800	39.0	-317.1	25.6	45.3	107.3	0.038	7.8	2.58
78.0	8.0	0.01	24.7					
722.900	38.7	-317.0	25.8	42.8	111.4	0.035	7.9	2.58
78.0	8.3	0.01	25.3					
723.000	39.5	-316.9	25.3	40.6	119.4	0.036	7.9	2.57
78.0	8.4	0.01	25.6					
723.100	40.3	-316.9	24.8	38.9	125.7	0.026	7.9	2.57
78.0	8.5	0.01	26.0					
723.200	41.5	-316.8	24.1	37.3	133.2	0.018	7.9	2.56
78.0	9.4	0.01	26.1					
723.300	42.0	-316.7	23.8	36.2	141.5	0.014	8.0	2.55
78.0	10.0	0.01	28.3					
723.400	42.5	-316.6	23.5	35.2	144.9	0.013	8.0	2.54
78.0	10.3	0.01	29.0					
723.500	42.7	-316.6	23.4	34.5	149.5	0.013	8.0	2.54
78.0	10.6	0.01	29.2					
723.600	42.9	-316.5	23.3	33.9	153.6	0.008	7.9	2.53
78.0	11.0	0.01	29.4					
723.700	42.8	-316.4	23.3	33.2	151.0	0.010	7.8	2.53
78.0	11.0	0.01	29.9					
723.800	43.4	-316.2	23.0	32.7	148.8	0.014	7.8	2.53
78.0	11.3	0.01	30.3					
723.900	43.6	-316.1	22.9	32.5	151.2	0.012	7.8	2.52
78.0	12.0	0.01	30.6					

724.000	44.4	-316.0	22.5	32.4	147.9	0.010	7.8	2.51
78.0	12.2	0.01 30.2						
724.100	44.0	-315.8	22.7	32.4	150.1	0.010	7.8	2.52
78.0	11.5	0.01 30.3						
724.200	44.7	-315.8	22.4	32.6	145.6	0.013	7.8	2.51
78.0	12.6	0.01 30.0						
724.300	45.0	-315.7	22.2	32.7	145.1	0.013	7.8	2.50
78.0	13.0	0.01 29.7						
724.400	44.8	-315.7	22.3	33.1	145.1	0.015	7.8	2.49
78.0	13.7	0.01 29.7						
724.500	44.2	-315.7	22.7	33.1	138.0	0.017	7.8	2.48
78.0	14.2	0.01 29.4						
724.600	43.7	-315.8	22.9	33.3	132.8	0.020	7.8	2.49
78.0	14.0	0.01 29.1						
724.700	44.2	-315.9	22.6	33.8	126.5	0.027	7.7	2.48
78.0	14.4	0.01 28.7						
724.800	45.7	-316.1	21.9	34.1	119.0	0.027	7.7	2.47
78.0	14.9	0.01 27.0						
724.900	46.7	-316.4	21.4	34.2	114.6	0.031	7.6	2.46
78.0	15.7	0.01 26.0						
725.000	47.0	-316.8	21.3	34.9	110.7	0.031	7.6	2.45
78.0	16.0	0.01 26.2						
725.100	46.9	-317.3	21.3	35.3	107.9	0.027	7.6	2.45
78.0	16.2	0.01 25.9						
725.200	46.6	-317.9	21.5	35.7	104.7	0.033	7.6	2.44
78.0	16.6	0.01 25.5						
725.300	48.1	-318.6	20.8	36.0	102.5	0.040	7.6	2.45
78.0	16.4	0.01 25.3						
725.400	49.0	-319.5	20.4	36.2	98.2	0.040	7.6	2.46
78.0	15.8	0.01 25.0						
725.500	49.7	-320.7	20.1	36.6	93.7	0.040	7.6	2.46
78.0	15.4	0.01 24.9						
725.600	49.6	-322.0	20.2	37.2	86.7	0.045	7.5	2.47
78.0	15.1	0.01 24.4						
725.700	49.3	-323.7	20.3	37.4	83.1	0.049	7.6	2.48
78.0	14.4	0.01 23.9						
725.800	49.3	-325.7	20.3	37.4	77.2	0.047	7.7	2.49
78.0	13.8	0.01 23.3						
725.900	50.0	-328.1	20.0	37.8	72.9	0.040	7.8	2.50
78.0	13.3	0.01 22.7						
726.000	50.8	-330.8	19.7	37.4	69.4	0.025	7.9	2.51
78.0	12.3	0.01 22.3						
726.100	51.1	-333.8	19.6	37.2	63.8	0.020	7.8	2.52
78.0	11.8	0.01 21.9						
726.200	50.5	-337.3	19.8	36.9	62.7	0.014	7.9	2.54
78.0	10.4	0.01 21.3						
726.300	50.0	-341.2	20.0	36.1	59.9	0.012	7.9	2.57
78.0	8.5	0.01 20.5						
726.400	49.6	-345.8	20.2	35.3	55.2	0.019	8.0	2.61
78.0	6.4	0.01 20.0						
726.500	49.5	-350.9	20.2	34.9	52.6	0.020	8.1	2.64
78.0	4.5	0.01 18.9						
726.600	49.3	-356.8	20.3	34.3	48.9	0.020	8.2	2.66
78.1	3.2	0.01 18.2						

726.700	49.2	-363.6	20.3	34.2	50.4	0.021	8.0	2.67
78.0	2.2	0.01	17.1					
726.800	48.3	-371.0	20.7	33.7	47.8	0.020	7.9	2.69
78.1	1.2	0.01	16.2					
726.900	47.2	-379.2	21.2	33.7	43.9	0.017	7.9	2.70
78.1	0.4	0.01	15.6					
727.000	46.7	-387.5	21.4	34.0	41.7	0.011	7.8	2.71
78.0	0.1	0.01	14.6					
727.100	46.8	-395.4	21.4	34.9	38.7	0.013	7.9	2.71
78.1	-0.1	0.01	14.0					
727.200	46.9	-402.3	21.3	35.9	37.4	0.022	7.8	2.72
78.1	-0.7	0.01	13.4					
727.300	46.4	-408.0	21.5	36.7	36.3	0.030	7.8	2.73
78.1	-1.1	0.01	13.1					
727.400	45.2	-412.1	22.1	37.7	37.0	0.033	7.8	2.73
78.1	-1.2	0.01	12.9					
727.500	44.7	-415.0	22.4	39.6	37.0	0.033	7.9	2.73
78.1	-1.0	0.01	12.6					
727.600	44.0	-416.5	22.7	40.5	38.1	0.034	7.8	2.72
78.1	-0.5	0.01	12.3					
727.700	44.4	-416.3	22.5	41.7	38.3	0.026	7.8	2.71
78.1	-0.1	0.01	12.1					
727.800	44.1	-414.5	22.7	42.4	37.2	0.023	7.8	2.69
78.1	1.3	0.01	12.0					
727.900	44.3	-411.3	22.6	42.6	38.9	0.019	7.9	2.67
78.1	2.6	0.01	12.1					
728.000	43.8	-406.3	22.8	43.3	38.1	0.018	7.8	2.64
78.1	4.1	0.01	12.2					
728.100	43.6	-400.5	23.0	43.8	37.4	0.016	7.9	2.63
78.1	5.2	0.01	12.3					
728.200	43.1	-394.5	23.2	44.3	37.0	0.014	7.8	2.61
78.1	6.1	0.01	12.7					
728.300	43.0	-388.7	23.3	44.4	38.3	0.016	7.9	2.60
78.1	6.9	0.01	13.2					
728.400	43.2	-383.4	23.2	44.7	39.8	0.017	7.8	2.58
78.1	7.9	0.01	13.6					
728.500	43.5	-378.8	23.0	44.5	40.2	0.012	7.9	2.57
78.1	8.7	0.01	14.1					
728.600	43.3	-374.4	23.1	44.4	41.5	0.008	7.9	2.54
78.1	10.4	0.01	14.5					
728.700	43.0	-370.6	23.3	43.9	45.0	0.006	7.9	2.52
78.1	12.1	0.01	15.0					
728.800	43.2	-367.2	23.2	43.1	45.4	0.006	7.9	2.49
78.1	13.6	0.01	15.8					
728.900	43.8	-364.2	22.9	41.3	44.8	0.006	7.8	2.48
78.1	14.2	0.01	16.1					
729.000	44.2	-361.5	22.6	40.9	46.9	0.010	7.8	2.47
78.1	15.0	0.01	16.7					
729.100	43.9	-359.1	22.8	40.1	47.2	0.017	7.8	2.46
78.1	15.4	0.01	17.5					
729.200	43.4	-357.1	23.1	39.8	47.2	0.027	7.8	2.45
78.1	16.0	0.01	17.9					
729.300	43.5	-355.5	23.0	39.6	47.4	0.036	7.8	2.44
78.1	16.7	0.01	18.2					

729.400	42.9	-354.2	23.3	39.3	45.4	0.036	7.7	2.43
78.1 17.5	0.01	18.5						
729.500	43.2	-353.2	23.2	39.3	45.4	0.039	7.8	2.42
78.1 18.3	0.01	18.6						
729.600	42.2	-352.7	23.7	39.8	44.3	0.036	7.7	2.41
78.1 18.6	0.01	19.0						
729.700	41.8	-352.6	23.9	39.7	41.3	0.035	7.8	2.40
78.1 19.4	0.01	19.1						
729.800	40.8	-352.9	24.5	40.3	40.2	0.033	7.8	2.39
78.1 20.2	0.01	19.1						
729.900	40.7	-353.6	24.6	40.7	37.8	0.033	7.8	2.37
78.1 20.9	0.01	19.1						
730.000	41.5	-354.9	24.1	41.1	36.6	0.035	7.8	2.36
78.1 21.4	0.01	19.2						
730.100	41.5	-356.8	24.1	41.3	35.3	0.039	7.8	2.35
78.1 22.1	0.01	19.3						
730.200	41.0	-359.6	24.4	41.8	31.6	0.036	7.8	2.35
78.1 22.1	0.01	19.4						
730.300	40.3	-362.7	24.8	42.2	29.4	0.032	7.9	2.35
78.1 22.5	0.01	19.0						
730.400	40.1	-366.2	25.0	42.8	27.5	0.022	7.9	2.34
78.1 22.9	0.01	19.1						
730.500	40.6	-369.4	24.6	43.5	24.4	0.009	7.9	2.34
78.1 22.8	0.01	18.8						
730.600	40.6	-371.8	24.6	44.1	21.8	0.002	7.9	2.33
78.1 23.6	0.01	18.7						
730.700	40.7	-373.5	24.6	44.9	19.7	0.002	7.9	2.32
78.1 24.3	0.01	18.6						
730.800	41.3	-374.5	24.2	45.9	18.8	0.002	7.9	2.32
78.1 24.4	0.01	18.5						
730.900	41.6	-375.0	24.0	47.1	19.0	0.006	7.9	2.31
78.1 25.0	0.01	18.5						
731.000	41.7	-374.8	24.0	47.7	17.5	0.005	7.8	2.31
78.1 25.0	0.01	18.4						
731.100	41.6	-374.1	24.1	48.1	16.0	0.007	7.9	2.30
78.1 25.2	0.01	18.4						
731.200	41.2	-372.5	24.3	47.5	17.1	0.008	7.8	2.30
78.1 25.5	0.01	18.5						
731.300	41.9	-370.1	23.9	47.6	17.3	0.007	7.8	2.31
78.1 25.0	0.01	18.9						
731.400	41.8	-367.1	23.9	47.7	18.8	0.005	7.9	2.31
78.1 25.1	0.01	18.8						
731.500	41.3	-363.6	24.2	47.9	22.3	0.008	7.8	2.30
78.1 25.4	0.01	18.9						
731.600	40.3	-360.0	24.8	47.2	22.7	0.005	7.9	2.32
78.1 24.4	0.01	19.1						
731.700	40.1	-356.9	24.9	47.5	24.7	0.009	7.8	2.33
78.1 23.6	0.01	19.5						
731.800	39.8	-354.3	25.1	48.0	27.7	0.015	7.8	2.34
78.1 22.8	0.01	19.7						
731.900	40.1	-351.9	24.9	48.2	29.4	0.014	7.8	2.35
78.1 22.4	0.01	19.9						
732.000	39.9	-349.8	25.1	47.9	32.0	0.017	7.8	2.35
78.1 22.5	0.01	19.9						

732.100	41.1	-348.0	24.3	48.0	34.6	0.016	7.8	2.35
78.1 22.2	0.01	19.9						
732.200	40.4	-346.3	24.8	48.5	38.1	0.010	7.8	2.36
78.1 22.0	0.01	20.3						
732.300	39.9	-344.8	25.1	49.3	39.8	0.010	7.8	2.36
78.1 21.6	0.01	20.2						
732.400	39.3	-343.3	25.5	49.7	39.6	0.009	7.9	2.38
78.1 20.3	0.01	20.0						
732.500	39.8	-342.0	25.2	50.5	41.5	0.012	7.9	2.40
78.1 19.5	0.01	20.2						
732.600	39.4	-340.8	25.4	51.5	44.3	0.019	7.8	2.40
78.1 19.1	0.01	20.1						
732.700	38.9	-339.7	25.7	53.0	45.0	0.022	7.8	2.42
78.1 18.1	0.01	20.4						
732.800	38.0	-338.5	26.3	53.7	45.0	0.030	7.8	2.43
78.1 17.2	0.01	20.3						
732.900	38.7	-337.4	25.9	54.2	43.9	0.040	7.8	2.44
78.1 16.8	0.01	20.4						
733.000	38.5	-336.5	26.0	54.1	41.1	0.037	7.8	2.45
78.1 16.2	0.01	20.0						
733.100	37.9	-335.6	26.5	54.6	39.8	0.030	7.8	2.45
78.1 15.9	0.01	19.7						
733.200	37.1	-334.9	27.0	56.6	38.9	0.027	7.7	2.45
78.1 16.0	0.01	19.2						
733.300	36.3	-334.3	27.6	58.8	35.9	0.023	7.8	2.46
78.1 15.5	0.01	19.2						
733.400	36.5	-333.8	27.4	59.7	33.5	0.023	7.8	2.47
78.1 14.9	0.01	18.8						
733.500	35.7	-333.5	28.0	62.0	33.3	0.028	7.8	2.48
78.1 14.4	0.01	18.7						
733.600	35.4	-333.2	28.3	63.9	31.1	0.032	7.8	2.50
78.1 13.2	0.01	18.5						
733.700	35.7	-333.0	28.0	66.6	29.4	0.038	7.8	2.51
78.1 12.2	0.01	18.2						
733.800	35.9	-333.0	27.9	68.4	30.3	0.037	7.8	2.52
78.1 11.8	0.01	17.9						
733.900	35.9	-333.2	27.9	69.7	30.3	0.033	7.8	2.52
78.1 11.6	0.01	17.6						
734.000	35.4	-333.5	28.2	69.7	28.5	0.029	7.8	2.52
78.1 11.8	0.01	17.4						
734.100	35.8	-333.7	27.9	72.2	27.5	0.019	7.8	2.53
78.1 11.4	0.01	17.3						
734.200	35.3	-333.8	28.4	71.6	27.5	0.011	7.8	2.53
78.1 11.4	0.01	16.7						
734.300	34.7	-333.8	28.8	71.4	29.2	0.013	7.7	2.52
78.1 11.7	0.01	15.9						
734.400	33.8	-333.9	29.6	72.6	28.3	0.016	7.8	2.53
78.1 11.2	0.01	15.3						
734.500	34.5	-333.9	29.0	73.1	28.8	0.019	7.8	2.53
78.1 11.1	0.01	14.9						
734.600	34.4	-333.8	29.1	71.6	28.5	0.023	7.8	2.53
78.1 11.1	0.01	14.7						
734.700	34.1	-333.7	29.3	73.2	29.4	0.025	7.9	2.53
78.1 11.0	0.01	14.2						

734.800	33.6	-333.6	29.7	73.5	30.7	0.028	7.8	2.53
78.1	11.3	0.01	13.7					
734.900	33.6	-333.4	29.7	74.4	32.0	0.027	7.8	2.53
78.1	11.5	0.01	13.5					
735.000	33.3	-333.3	30.0	77.4	30.9	0.022	7.8	2.52
78.1	11.5	0.01	13.3					
735.100	32.8	-333.1	30.5	78.7	31.8	0.022	7.8	2.51
78.1	12.2	0.01	13.0					
735.200	32.3	-332.9	30.9	78.6	30.5	0.022	7.8	2.50
78.2	12.9	0.01	12.8					
735.300	32.0	-332.8	31.2	79.2	28.8	0.021	7.7	2.50
78.1	13.2	0.01	13.1					
735.400	32.5	-332.8	30.8	79.0	28.5	0.020	7.8	2.49
78.2	13.6	0.01	13.4					
735.500	32.2	-332.9	31.1	77.4	28.3	0.021	7.7	2.50
78.1	13.2	0.01	13.0					
735.600	32.1	-332.9	31.2	76.9	28.8	0.022	7.7	2.50
78.2	13.1	0.01	12.9					
735.700	31.1	-332.9	32.2	75.3	29.2	0.023	7.7	2.50
78.1	13.2	0.01	13.4					
735.800	30.8	-333.0	32.5	74.1	26.6	0.022	7.7	2.49
78.1	13.4	0.01	13.7					
735.900	30.3	-333.1	33.0	75.1	29.0	0.018	7.8	2.50
78.2	12.9	0.01	14.0					
736.000	30.6	-333.2	32.7	74.7	29.6	0.016	7.8	2.51
78.2	12.2	0.01	14.4					
736.100	30.7	-333.3	32.6	74.9	29.2	0.016	7.9	2.52
78.2	11.6	0.01	14.5					
736.200	31.1	-333.4	32.1	75.6	27.0	0.017	7.8	2.53
78.2	11.2	0.01	14.7					
736.300	31.4	-333.5	31.9	78.0	27.9	0.018	7.8	2.54
78.1	10.5	0.01	14.7					
736.400	31.4	-333.6	31.9	78.4	27.5	0.016	7.9	2.55
78.2	10.1	0.01	14.9					
736.500	30.9	-333.7	32.4	78.4	27.7	0.014	7.9	2.54
78.2	10.4	0.01	15.0					
736.600	30.8	-333.7	32.5	78.5	29.4	0.013	7.8	2.55
78.2	9.8	0.01	15.6					
736.700	31.3	-333.6	32.0	79.0	29.2	0.019	7.9	2.57
78.1	9.0	0.01	15.8					
736.800	32.0	-333.6	31.3	79.6	30.1	0.027	7.9	2.57
78.2	8.8	0.01	15.8					
736.900	31.7	-333.5	31.5	78.1	31.6	0.029	7.8	2.57
78.2	8.5	0.01	15.8					
737.000	31.7	-333.4	31.6	77.5	34.4	0.027	7.8	2.57
78.2	8.8	0.01	16.1					
737.100	31.7	-333.3	31.5	76.1	35.3	0.027	7.8	2.57
78.2	8.7	0.01	16.1					
737.200	31.6	-333.1	31.7	75.7	36.1	0.032	7.8	2.57
78.2	9.0	0.01	15.6					
737.300	31.4	-332.9	31.9	74.9	38.3	0.026	7.8	2.57
78.2	8.6	0.01	15.3					
737.400	31.5	-332.7	31.8	73.8	41.5	0.023	7.8	2.57
78.2	8.9	0.01	15.2					

737.500	31.6	-332.4	31.6	72.1	40.9	0.020	7.8	2.57
78.2 8.7	0.01	15.1						
737.600	31.3	-332.0	32.0	73.6	40.7	0.025	7.8	2.57
78.2 9.0	0.01	15.4						
737.700	30.9	-331.5	32.4	71.5	42.0	0.027	7.8	2.56
78.2 9.1	0.01	15.7						
737.800	31.1	-331.1	32.1	70.7	39.8	0.028	7.8	2.56
78.2 9.4	0.01	15.9						
737.900	31.2	-330.7	32.0	69.4	41.3	0.030	7.8	2.56
78.2 9.6	0.01	15.9						
738.000	31.3	-330.3	32.0	68.7	44.1	0.025	7.8	2.56
78.2 9.5	0.01	15.9						
738.100	31.4	-329.9	31.8	68.6	43.7	0.019	7.8	2.55
78.2 9.8	0.01	15.6						
738.200	31.6	-329.5	31.7	68.3	45.6	0.017	7.8	2.55
78.2 10.2	0.01	15.3						
738.300	31.6	-329.2	31.6	66.0	47.4	0.017	7.8	2.55
78.2 9.9	0.01	15.4						
738.400	32.0	-328.9	31.3	65.6	47.2	0.016	7.8	2.56
78.2 9.5	0.01	15.3						
738.500	32.1	-328.7	31.2	65.6	45.9	0.014	7.8	2.55
78.2 9.7	0.01	15.3						
738.600	32.6	-328.6	30.7	65.4	45.9	0.015	7.8	2.55
78.2 9.6	0.01	15.0						
738.700	31.9	-328.6	31.3	65.2	46.1	0.015	7.8	2.57
78.2 8.8	0.01	14.9						
738.800	32.1	-328.7	31.1	64.8	46.5	0.020	7.8	2.57
78.2 8.9	0.01	14.9						
738.900	32.0	-328.8	31.3	64.1	44.6	0.014	7.9	2.57
78.2 8.9	0.01	15.0						
739.000	32.3	-329.0	30.9	64.6	46.1	0.015	7.8	2.55
78.2 9.9	0.01	14.8						
739.100	32.6	-329.2	30.7	64.3	49.1	0.015	7.8	2.55
78.2 10.2	0.01	14.4						
739.200	33.3	-329.6	30.0	64.3	49.1	0.018	7.9	2.54
78.2 10.7	0.01	14.2						
739.300	34.0	-330.0	29.5	64.1	50.0	0.019	7.9	2.53
78.2 11.5	0.01	14.0						
739.400	33.8	-330.4	29.6	63.2	51.5	0.020	7.8	2.51
78.2 12.2	0.01	14.0						
739.500	34.1	-330.9	29.4	64.3	48.0	0.016	7.9	2.51
78.2 12.5	0.01	14.0						
739.600	33.3	-331.3	30.1	64.5	48.9	0.016	7.9	2.50
78.2 12.9	0.01	14.0						
739.700	33.6	-331.7	29.8	64.2	46.7	0.017	7.9	2.50
78.2 13.3	0.01	14.5						
739.800	33.3	-332.2	30.0	64.2	45.9	0.017	7.8	2.48
78.2 14.2	0.01	14.8						
739.900	34.0	-332.7	29.4	64.0	44.3	0.019	7.8	2.46
78.2 15.3	0.01	14.8						
740.000	34.3	-333.2	29.2	64.4	43.5	0.015	7.8	2.46
78.2 15.3	0.01	14.9						
740.100	33.8	-333.6	29.6	63.8	43.0	0.011	7.8	2.45
78.2 16.2	0.01	15.6						

740.200	32.8	-334.0	30.5	62.5	40.2	0.009	7.8	2.44
78.2 17.0	0.01	15.9						
740.300	32.6	-334.2	30.7	61.4	39.6	0.009	7.8	2.43
78.2 17.4	0.01	16.1						
740.400	33.4	-334.5	30.0	60.9	37.2	0.013	7.8	2.43
78.2 17.7	0.01	16.2						
740.500	34.2	-334.8	29.2	60.5	36.8	0.018	7.8	2.42
78.2 17.7	0.01	16.7						
740.600	34.7	-335.0	28.8	60.2	34.6	0.021	7.8	2.42
78.2 18.3	0.01	17.1						
740.700	34.8	-335.2	28.7	59.9	35.7	0.020	7.7	2.42
78.2 18.1	0.01	17.5						
740.800	34.7	-335.3	28.8	61.2	35.7	0.022	7.8	2.42
78.2 18.1	0.01	18.1						
740.900	34.2	-335.4	29.3	61.1	32.7	0.022	7.7	2.43
78.2 17.7	0.01	18.4						
741.000	33.8	-335.6	29.6	61.1	33.1	0.024	7.8	2.42
78.2 17.8	0.01	18.5						
741.100	34.0	-335.7	29.4	61.4	31.1	0.023	7.8	2.41
78.2 18.4	0.01	18.9						
741.200	34.3	-335.9	29.2	61.8	31.1	0.027	7.8	2.42
78.2 18.2	0.01	19.0						
741.300	34.1	-336.0	29.3	63.0	29.8	0.034	7.9	2.42
78.2 17.9	0.01	18.6						
741.400	33.8	-336.1	29.6	65.7	29.6	0.039	7.8	2.42
78.2 17.9	0.01	18.9						
741.500	33.0	-336.3	30.3	67.7	29.2	0.039	7.9	2.41
78.2 18.4	0.01	19.1						
741.600	32.5	-336.4	30.8	70.1	26.6	0.036	7.9	2.41
78.2 18.6	0.01	18.8						
741.700	32.6	-336.6	30.7	74.6	27.7	0.030	7.8	2.41
78.2 18.9	0.01	19.0						
741.800	32.4	-336.9	30.9	77.3	25.3	0.023	7.9	2.40
78.2 19.2	0.01	19.3						
741.900	32.0	-337.2	31.3	81.1	24.4	0.020	7.8	2.39
78.2 19.7	0.01	19.4						
742.000	31.8	-337.3	31.5	81.6	24.4	0.021	7.8	2.39
78.2 20.2	0.01	19.3						
742.100	32.2	-337.4	31.1	80.5	24.4	0.020	7.8	2.38
78.2 20.4	0.01	19.2						
742.200	32.1	-337.5	31.2	80.5	21.6	0.020	7.8	2.37
78.2 21.4	0.01	19.0						
742.300	32.0	-337.6	31.3	81.0	21.6	0.017	7.8	2.35
78.2 22.1	0.01	18.5						
742.400	31.3	-337.6	32.0	78.3	21.6	0.015	7.9	2.34
78.2 22.8	0.01	18.6						
742.500	31.4	-337.7	31.9	77.4	20.5	0.013	7.9	2.33
78.2 23.4	0.01	18.5						
742.600	31.2	-337.8	32.0	74.9	18.6	0.007	7.9	2.34
78.2 23.3	0.01	18.6						
742.700	31.5	-337.7	31.7	74.8	19.7	0.003	7.8	2.32
78.2 24.3	0.01	18.4						
742.800	31.7	-337.7	31.5	74.1	20.1	0.002	7.9	2.31
78.2 25.0	0.01	18.4						

742.900	32.0	-337.6	31.3	74.3	20.3	0.003	7.8	2.30
78.2 25.2	0.01	18.8						
743.000	32.2	-337.6	31.1	73.6	18.6	0.007	7.9	2.30
78.2 25.3	0.01	18.8						
743.100	32.0	-337.5	31.3	73.6	19.7	0.007	7.8	2.30
78.2 25.6	0.01	18.9						
743.200	32.0	-337.5	31.2	74.4	18.6	0.005	7.8	2.29
78.3 25.8	0.01	18.7						
743.300	31.4	-337.4	31.9	75.3	19.2	0.003	7.8	2.29
78.2 26.1	0.01	18.2						
743.400	31.2	-337.4	32.1	77.6	19.7	0.004	7.7	2.29
78.2 26.3	0.01	18.2						
743.500	30.3	-337.4	33.0	78.9	18.0	0.004	7.8	2.28
78.2 26.5	0.01	18.0						
743.600	30.7	-337.4	32.6	78.7	18.4	0.004	7.8	2.29
78.2 26.2	0.01	18.0						
743.700	30.4	-337.4	32.9	80.0	18.4	0.008	7.8	2.29
78.2 25.8	0.01	17.9						
743.800	30.9	-337.5	32.4	82.6	17.5	0.009	7.8	2.30
78.3 25.4	0.01	17.7						
743.900	30.6	-337.7	32.7	82.0	17.7	0.013	7.9	2.30
78.2 25.3	0.01	17.4						
744.000	31.1	-337.8	32.2	82.8	18.0	0.016	7.9	2.32
78.3 24.5	0.01	17.2						
744.100	30.0	-338.0	33.4	85.1	19.2	0.024	7.9	2.31
78.3 24.7	0.01	16.9						
744.200	29.3	-338.2	34.1	83.7	17.7	0.024	7.9	2.32
78.3 24.5	0.01	16.6						
744.300	28.9	-338.4	34.6	82.1	16.0	0.022	7.9	2.32
78.3 24.5	0.01	16.4						
744.400	29.4	-338.6	34.0	79.3	16.2	0.022	7.9	2.31
78.3 24.9	0.01	15.6						
744.500	30.1	-338.8	33.3	77.1	18.0	0.020	7.8	2.31
78.3 24.9	0.01	15.5						
744.600	30.4	-339.0	32.9	75.8	19.5	0.023	7.8	2.31
78.3 24.8	0.01	15.3						
744.700	31.0	-339.3	32.3	74.1	21.4	0.023	7.8	2.30
78.3 25.2	0.01	15.3						
744.800	30.6	-339.4	32.7	69.0	22.1	0.020	7.8	2.31
78.3 24.7	0.01	15.6						
744.900	31.5	-339.5	31.8	68.0	22.5	0.022	7.8	2.31
78.3 25.1	0.01	15.5						
745.000	31.3	-339.6	32.0	67.6	23.8	0.017	7.8	2.30
78.3 25.2	0.01	15.6						
745.100	32.2	-339.6	31.1	66.9	22.9	0.015	7.9	2.30
78.3 25.6	0.01	15.7						
745.200	32.0	-339.7	31.3	65.7	23.8	0.012	7.9	2.30
78.3 25.7	0.01	15.8						
745.300	32.5	-339.6	30.8	65.5	24.4	0.008	7.9	2.29
78.3 25.9	0.01	16.1						
745.400	32.3	-339.6	31.0	63.9	23.4	0.004	7.9	2.30
78.3 25.7	0.01	16.5						
745.500	32.8	-339.5	30.5	63.2	23.4	0.005	7.9	2.29
78.3 26.3	0.01	17.0						

745.600	33.0	-339.4	30.3	63.0	22.1	0.004	7.9	2.29
78.3 26.4	0.01	17.3						
745.700	34.0	-339.3	29.4	61.3	23.1	0.002	7.9	2.29
78.3 26.4	0.01	17.6						
745.800	34.0	-339.2	29.4	60.1	26.6	0.002	7.9	2.29
78.3 26.0	0.01	18.2						
745.900	34.8	-339.0	28.7	58.5	26.0	-0.001	7.9	2.30
78.3 25.7	0.01	18.6						
746.000	34.5	-338.9	29.0	56.4	24.7	-0.003	7.9	2.30
78.3 25.3	0.01	18.7						
746.100	34.8	-338.8	28.8	54.8	24.2	-0.002	7.9	2.30
78.3 25.4	0.01	18.9						
746.200	34.1	-338.6	29.3	54.0	22.3	-0.005	7.9	2.31
78.3 24.7	0.02	19.0						
746.300	34.2	-338.5	29.2	52.5	22.7	-0.003	7.8	2.31
78.3 25.1	0.01	18.9						
746.400	34.9	-338.5	28.7	51.8	22.3	-0.002	7.8	2.32
78.3 24.2	0.02	19.0						
746.500	35.6	-338.5	28.1	51.5	23.1	0.000	7.8	2.33
78.3 23.6	0.02	19.2						
746.600	35.9	-338.5	27.8	51.2	24.4	0.003	7.8	2.34
78.3 23.0	0.02	19.1						
746.700	36.3	-338.6	27.5	50.5	25.1	0.002	7.7	2.34
78.3 23.0	0.02	19.3						
746.800	36.6	-338.8	27.4	50.2	24.9	-0.002	7.8	2.35
78.3 22.4	0.02	19.7						
746.900	37.9	-338.9	26.4	48.5	25.3	0.001	7.8	2.35
78.3 22.4	0.02	19.3						
747.000	38.4	-339.1	26.0	47.4	24.9	0.003	7.8	2.35
78.3 22.3	0.02	19.4						
747.100	38.7	-339.4	25.8	46.9	25.7	0.002	7.8	2.36
78.3 21.9	0.02	19.2						
747.200	38.3	-339.7	26.1	45.8	26.0	0.002	7.8	2.36
78.3 21.9	0.01	19.2						
747.300	38.4	-340.0	26.1	45.2	23.4	0.001	7.8	2.36
78.3 21.7	0.01	19.1						
747.400	38.7	-340.4	25.8	45.0	23.6	0.003	7.8	2.37
78.3 21.1	0.01	19.2						
747.500	38.7	-340.7	25.8	43.9	24.2	0.006	7.8	2.37
78.3 20.8	0.01	19.6						
747.600	38.9	-340.9	25.7	43.7	24.2	0.008	7.8	2.39
78.3 20.1	0.01	19.4						
747.700	39.4	-341.3	25.4	43.3	25.5	0.013	7.8	2.39
78.3 19.9	0.01	19.4						
747.800	39.8	-341.6	25.1	43.1	24.7	0.012	7.9	2.40
78.3 19.0	0.01	19.4						
747.900	39.5	-341.9	25.3	43.1	24.9	0.011	7.8	2.40
78.3 19.1	0.01	19.3						
748.000	38.9	-342.3	25.7	43.1	23.6	0.008	7.8	2.40
78.3 19.2	0.01	19.1						
748.100	39.1	-342.6	25.6	42.6	22.5	0.007	7.8	2.40
78.3 19.2	0.01	19.0						
748.200	38.8	-343.0	25.8	43.6	20.5	0.003	7.8	2.42
78.3 18.3	0.01	19.1						

748.300	39.3	-343.5	25.5	43.5	21.4	0.006	7.8	2.42
78.3 18.2	0.01	18.5						
748.400	39.1	-343.9	25.6	44.4	22.1	0.009	7.8	2.43
78.3 17.6	0.01	18.6						
748.500	39.1	-344.5	25.6	45.1	23.4	0.019	7.8	2.43
78.3 17.2	0.01	18.1						
748.600	38.7	-344.9	25.8	45.6	23.6	0.024	7.8	2.44
78.3 16.9	0.01	17.8						
748.700	38.9	-345.5	25.7	45.7	22.7	0.027	7.8	2.44
78.3 16.6	0.01	17.5						
748.800	39.0	-346.1	25.7	47.0	22.7	0.029	7.8	2.44
78.3 17.0	0.01	17.1						
748.900	38.9	-346.6	25.7	47.1	22.3	0.031	7.8	2.42
78.3 17.8	0.01	16.9						
749.000	39.0	-347.1	25.6	47.8	22.5	0.027	7.8	2.42
78.3 17.9	0.01	16.3						
749.100	39.0	-347.7	25.7	47.8	21.4	0.030	7.8	2.41
78.3 18.6	0.01	16.1						
749.200	38.9	-348.3	25.7	48.8	20.1	0.028	7.8	2.40
78.3 19.0	0.01	15.8						
749.300	38.3	-348.9	26.1	49.8	19.0	0.031	7.7	2.39
78.3 19.6	0.01	15.7						
749.400	38.5	-349.5	26.0	50.7	19.2	0.034	7.8	2.39
78.3 20.1	0.01	15.5						
749.500	38.7	-350.1	25.8	50.9	18.8	0.034	7.7	2.39
78.3 19.9	0.01	15.4						
749.600	38.9	-350.6	25.7	51.8	20.8	0.033	7.7	2.39
78.3 19.9	0.01	15.3						
749.700	37.9	-351.2	26.4	52.6	21.6	0.033	7.7	2.39
78.3 20.1	0.01	14.9						
749.800	37.0	-351.8	27.0	53.4	20.3	0.026	7.7	2.38
78.3 20.4	0.01	14.6						
749.900	37.0	-352.4	27.0	53.9	18.8	0.021	7.7	2.38
78.3 20.7	0.01	14.4						
750.000	37.2	-353.0	26.9	54.5	17.1	0.017	7.8	2.39
78.3 20.1	0.01	14.2						
750.100	37.2	-353.6	26.9	55.7	16.2	0.015	7.8	2.39
78.3 19.6	0.02	14.3						
750.200	36.7	-354.1	27.3	56.3	16.2	0.013	7.8	2.41
78.3 18.7	0.01	14.4						
750.300	36.4	-354.6	27.5	57.4	16.0	0.018	7.9	2.43
78.3 17.6	0.01	14.0						
750.400	36.3	-355.1	27.6	58.7	15.6	0.014	7.8	2.45
78.3 16.4	0.01	13.8						
750.500	36.3	-355.5	27.6	59.5	16.4	0.015	7.8	2.45
78.3 16.2	0.01	14.0						
750.600	35.9	-355.9	27.8	59.8	16.2	0.012	7.8	2.46
78.3 15.3	0.01	14.0						
750.700	35.4	-356.2	28.2	60.1	16.0	0.015	7.8	2.48
78.3 14.4	0.01	14.1						
750.800	34.9	-356.5	28.7	59.9	17.1	0.017	7.8	2.50
78.3 13.3	0.01	13.8						
750.900	34.7	-356.7	28.8	60.1	16.2	0.021	7.8	2.51
78.3 12.4	0.01	13.8						

751.000	34.9	-356.9	28.7	59.8	17.5	0.023	7.8	2.51
78.3	12.6	0.01	13.6					
751.100	35.0	-357.1	28.6	59.1	16.0	0.020	7.8	2.51
78.3	12.7	0.01	13.4					
751.200	35.2	-357.3	28.4	59.6	16.0	0.022	7.8	2.50
78.3	13.0	0.01	13.2					
751.300	35.3	-357.4	28.4	58.7	16.0	0.024	7.8	2.51
78.3	12.6	0.01	13.6					
751.400	34.9	-357.5	28.6	58.0	17.3	0.027	7.8	2.50
78.4	12.8	0.01	13.7					
751.500	34.8	-357.6	28.8	57.6	18.6	0.028	7.8	2.49
78.3	13.4	0.01	13.8					
751.600	34.0	-357.6	29.4	57.5	18.8	0.024	7.8	2.48
78.4	14.2	0.01	14.0					
751.700	33.7	-357.5	29.7	56.2	18.6	0.020	7.7	2.46
78.3	15.3	0.01	14.0					
751.800	33.3	-357.5	30.0	55.6	17.5	0.019	7.7	2.45
78.4	15.9	0.01	14.3					
751.900	33.0	-357.4	30.3	54.7	17.5	0.027	7.7	2.45
78.3	16.4	0.01	14.4					
752.000	32.5	-357.4	30.8	55.3	16.7	0.029	7.7	2.45
78.4	16.0	0.01	14.3					
752.100	32.7	-357.2	30.6	55.7	15.8	0.036	7.7	2.44
78.4	16.5	0.01	14.3					
752.200	33.8	-357.1	29.7	56.0	16.0	0.032	7.7	2.45
78.4	16.3	0.01	14.6					
752.300	34.7	-356.9	28.9	56.2	15.6	0.037	7.7	2.43
78.3	17.1	0.01	14.8					
752.400	34.7	-356.7	28.8	56.3	15.1	0.038	7.7	2.43
78.3	17.5	0.01	15.2					
752.500	34.6	-356.6	28.9	56.1	12.3	0.036	7.7	2.43
78.4	17.5	0.01	15.3					
752.600	34.5	-356.4	29.0	55.7	12.1	0.033	7.7	2.43
78.4	17.6	0.01	15.9					
752.700	34.6	-356.2	28.9	55.0	12.1	0.027	7.7	2.43
78.4	17.6	0.01	16.1					
752.800	34.9	-356.0	28.7	54.0	12.5	0.023	7.8	2.42
78.4	17.8	0.01	16.0					
752.900	35.4	-355.9	28.3	52.4	12.3	0.021	7.7	2.43
78.4	17.4	0.01	16.0					
753.000	35.4	-355.8	28.3	51.1	11.0	0.025	7.8	2.44
78.4	16.9	0.01	16.5					
753.100	35.3	-355.7	28.3	50.0	11.9	0.029	7.8	2.44
78.4	16.5	0.01	16.5					
753.200	35.5	-355.6	28.2	49.9	12.5	0.023	7.8	2.45
78.4	16.4	0.01	16.6					
753.300	35.6	-355.5	28.1	48.7	14.3	0.018	7.8	2.44
78.4	16.7	0.01	16.7					
753.400	36.3	-355.3	27.6	47.6	14.3	0.011	7.8	2.44
78.4	16.7	0.01	17.3					
753.500	36.4	-355.2	27.5	46.5	14.9	0.011	7.8	2.43
78.4	17.4	0.01	17.4					
753.600	36.9	-355.1	27.1	46.2	15.4	0.005	7.8	2.44
78.4	16.9	0.01	17.8					

753.700	36.8	-354.9	27.2	45.8	15.8	0.011	7.9	2.42
78.4 17.8	0.01	18.0						
753.800	37.4	-354.7	26.8	45.8	14.9	0.014	7.8	2.42
78.4 17.7	0.01	18.0						
753.900	38.9	-354.4	25.7	44.7	15.4	0.022	7.9	2.42
78.4 18.1	0.01	18.3						
754.000	39.4	-354.1	25.4	44.1	16.9	0.024	7.9	2.41
78.4 18.3	0.01	18.5						
754.100	39.2	-353.8	25.5	43.5	17.1	0.022	7.9	2.41
78.4 18.4	0.01	19.0						
754.200	38.5	-353.3	26.0	42.4	17.1	0.020	7.9	2.41
78.4 18.4	0.01	19.0						
754.300	38.9	-352.9	25.7	41.7	16.2	0.019	7.8	2.41
78.4 18.7	0.01	19.0						
754.400	39.3	-352.5	25.5	40.8	16.4	0.013	7.8	2.40
78.4 19.2	0.01	19.3						
754.500	39.7	-352.0	25.2	39.7	17.5	0.009	7.8	2.38
78.4 20.3	0.01	19.1						
754.600	39.9	-351.5	25.0	39.0	17.5	0.006	7.9	2.39
78.4 20.2	0.01	19.1						
754.700	40.9	-350.9	24.5	38.4	19.0	0.008	7.8	2.39
78.4 20.2	0.01	19.5						
754.800	41.1	-350.4	24.3	38.1	17.7	0.006	7.9	2.39
78.4 19.6	0.01	19.8						
754.900	41.1	-350.0	24.3	38.1	19.0	0.010	7.8	2.39
78.4 19.9	0.01	19.6						
755.000	40.9	-349.5	24.4	37.5	20.1	0.005	7.8	2.39
78.4 19.6	0.01	19.6						
755.100	40.8	-349.0	24.5	37.4	21.8	0.009	7.8	2.38
78.4 20.2	0.01	19.9						
755.200	41.4	-348.4	24.1	37.9	23.1	0.004	7.8	2.38
78.4 20.4	0.01	20.2						
755.300	41.8	-348.0	24.0	37.8	25.7	0.002	7.8	2.38
78.4 20.6	0.01	20.4						
755.400	41.9	-347.6	23.9	38.1	25.7	0.005	7.8	2.38
78.4 20.6	0.01	20.0						
755.500	41.9	-347.2	23.9	37.9	26.0	0.006	7.8	2.38
78.4 20.3	0.01	19.7						
755.600	41.3	-346.8	24.2	38.4	26.6	0.007	7.8	2.38
78.4 20.7	0.01	19.5						
755.700	41.7	-346.5	24.0	38.8	27.9	0.007	7.8	2.38
78.4 20.7	0.01	19.6						
755.800	41.5	-346.2	24.1	38.7	32.2	0.010	7.8	2.38
78.4 20.5	0.01	19.4						
755.900	42.0	-346.0	23.8	37.9	32.7	0.014	7.8	2.38
78.4 20.3	0.01	19.4						
756.000	41.9	-345.7	23.9	38.2	36.8	0.014	7.8	2.38
78.4 20.2	0.01	19.1						
756.100	41.9	-345.4	23.9	38.0	37.6	0.012	7.8	2.38
78.4 20.7	0.01	19.1						
756.200	41.4	-345.0	24.1	38.5	37.8	0.007	7.8	2.38
78.4 20.7	0.01	18.8						
756.300	41.4	-344.7	24.1	38.5	39.6	0.006	7.8	2.37
78.4 21.0	0.01	18.5						

756.400	41.9	-344.2	23.9	39.0	39.1	0.003	7.8	2.37
78.4	21.0	0.01	18.2					
756.500	42.7	-343.7	23.4	38.9	40.0	0.002	7.8	2.36
78.4	21.5	0.01	17.9					
756.600	42.9	-343.2	23.3	39.7	39.1	0.005	7.9	2.36
78.4	21.7	0.01	17.4					
756.700	42.5	-342.6	23.5	40.0	38.9	0.003	7.8	2.36
78.4	21.5	0.01	17.0					
756.800	41.8	-342.0	23.9	41.1	38.1	0.004	7.8	2.36
78.4	21.6	0.01	17.1					
756.900	41.5	-341.4	24.1	41.5	39.1	0.004	7.8	2.36
78.4	21.6	0.02	17.2					
757.000	41.5	-340.8	24.1	41.9	39.4	0.006	7.8	2.36
78.4	21.9	0.01	17.3					
757.100	41.7	-340.4	24.0	42.2	39.8	0.006	7.8	2.37
78.4	21.4	0.01	17.0					
757.200	42.1	-340.0	23.7	42.8	38.5	0.005	7.8	2.37
78.4	21.3	0.01	17.4					
757.300	42.2	-339.7	23.7	43.1	37.6	0.005	7.8	2.37
78.4	21.2	0.01	18.0					
757.400	42.7	-339.5	23.4	43.2	36.8	0.010	7.8	2.37
78.4	21.2	0.01	18.1					
757.500	42.5	-339.4	23.6	43.0	33.5	0.012	7.8	2.37
78.4	21.2	0.01	18.2					
757.600	42.2	-339.4	23.7	43.0	33.5	0.011	7.8	2.37
78.4	21.1	0.01	18.1					
757.700	41.9	-339.5	23.9	43.3	32.0	0.010	7.8	2.38
78.4	20.8	0.01	18.2					
757.800	41.7	-339.7	24.0	42.8	30.3	0.012	7.8	2.37
78.4	21.0	0.01	18.1					
757.900	41.8	-339.9	23.9	42.7	30.5	0.011	7.8	2.38
78.4	20.7	0.01	18.2					
758.000	42.3	-340.1	23.7	42.4	29.6	0.013	7.8	2.39
78.4	20.2	0.01	18.4					
758.100	42.1	-340.3	23.8	42.3	29.8	0.014	7.8	2.39
78.4	19.7	0.01	18.7					
758.200	41.9	-340.5	23.9	41.6	30.1	0.011	7.9	2.41
78.4	18.9	0.01	18.7					
758.300	40.8	-340.7	24.5	41.2	29.0	0.011	7.8	2.42
78.4	18.1	0.01	18.7					
758.400	40.4	-340.9	24.8	40.8	29.2	0.010	7.8	2.43
78.4	17.5	0.01	18.6					
758.500	39.8	-341.0	25.1	41.1	28.8	0.006	7.8	2.45
78.4	16.4	0.01	18.8					
758.600	39.4	-341.2	25.4	41.1	28.3	0.006	7.8	2.46
78.4	15.6	0.01	18.7					
758.700	38.9	-341.4	25.7	41.7	28.1	0.005	7.8	2.47
78.4	15.1	0.01	18.4					
758.800	38.8	-341.5	25.8	42.7	25.1	0.003	7.9	2.47
78.4	14.9	0.01	17.8					
758.900	38.9	-341.6	25.7	43.6	26.6	0.003	7.8	2.48
78.4	14.3	0.01	17.6					
759.000	38.2	-341.6	26.2	44.5	25.5	0.005	7.8	2.50
78.4	13.3	0.01	17.6					

759.100	38.0	-341.7	26.4	45.0	25.7	0.006	7.8	2.51
78.5 12.6	0.01	17.8						
759.200	37.2	-341.7	26.9	46.1	25.5	0.007	7.8	2.52
78.4 11.9	0.01	17.5						
759.300	37.6	-341.7	26.6	46.9	26.0	0.005	7.7	2.53
78.5 11.4	0.01	17.7						
759.400	37.7	-341.7	26.6	47.3	25.7	0.003	7.7	2.53
78.4 11.0	0.01	17.8						
759.500	37.7	-341.6	26.6	47.4	23.8	0.007	7.7	2.54
78.5 10.8	0.01	17.9						
759.600	37.8	-341.5	26.4	47.1	24.9	0.007	7.7	2.55
78.5 10.1	0.01	17.8						
759.700	37.2	-341.4	26.9	47.0	24.4	0.013	7.8	2.55
78.5 9.9	0.01	17.6						
759.800	36.9	-341.3	27.1	47.9	24.7	0.018	7.8	2.54
78.5 10.3	0.01	17.5						
759.900	36.7	-341.2	27.2	47.7	24.0	0.015	7.7	2.54
78.5 10.5	0.01	17.4						
760.000	37.7	-341.2	26.5	47.7	24.0	0.011	7.7	2.53
78.5 11.1	0.01	17.1						
760.100	38.0	-341.1	26.3	47.3	24.2	0.011	7.7	2.53
78.5 11.2	0.01	17.4						
760.200	37.5	-341.0	26.7	47.5	25.7	0.014	7.7	2.54
78.5 10.8	0.01	17.4						
760.300	36.7	-340.8	27.3	48.3	27.9	0.014	7.7	2.54
78.5 10.7	0.01	17.6						
760.400	36.8	-340.8	27.2	49.6	26.4	0.011	7.7	2.54
78.5 10.8	0.01	17.6						
760.500	37.6	-340.8	26.6	49.5	27.3	0.012	7.7	2.53
78.5 11.1	0.01	17.8						
760.600	37.9	-340.8	26.4	49.8	26.6	0.013	7.7	2.53
78.5 11.2	0.01	17.8						
760.700	37.8	-340.8	26.5	50.3	27.0	0.014	7.7	2.52
78.5 11.9	0.01	17.9						
760.800	37.0	-340.8	27.1	51.5	27.9	0.013	7.7	2.52
78.5 11.9	0.01	17.6						
760.900	36.5	-340.8	27.4	51.4	28.8	0.017	7.7	2.51
78.5 12.5	0.01	17.9						
761.000	36.5	-340.8	27.4	51.4	30.7	0.012	7.7	2.51
78.5 12.4	0.01	17.8						
761.100	37.2	-340.8	26.9	51.8	29.4	0.016	7.7	2.50
78.5 13.3	0.01	17.8						
761.200	37.9	-340.8	26.4	52.7	29.8	0.017	7.7	2.49
78.5 13.8	0.01	17.7						
761.300	37.9	-340.8	26.4	52.5	30.3	0.019	7.7	2.49
78.5 13.7	0.01	17.8						
761.400	37.9	-340.8	26.4	53.2	31.4	0.020	7.7	2.49
78.5 13.4	0.01	18.2						
761.500	38.1	-340.8	26.3	53.6	31.4	0.021	7.7	2.50
78.5 13.3	0.01	18.4						
761.600	37.7	-340.8	26.5	54.3	30.7	0.019	7.7	2.49
78.5 13.6	0.01	18.2						
761.700	37.5	-340.8	26.7	53.6	29.0	0.019	7.7	2.48
78.5 14.2	0.01	18.2						

761.800	36.3	-340.8	27.6	53.1	29.4	0.016	7.7	2.48
78.5 14.3	0.01	18.1						
761.900	36.0	-340.9	27.8	52.1	30.1	0.013	7.7	2.48
78.5 14.4	0.01	18.0						
762.000	35.4	-340.9	28.3	52.1	30.9	0.010	7.7	2.48
78.5 14.4	0.01	17.9						
762.100	35.6	-341.0	28.1	52.0	31.6	0.010	7.7	2.48
78.5 14.3	0.01	18.0						
762.200	36.4	-341.1	27.5	51.7	32.0	0.009	7.8	2.49
78.5 13.9	0.01	18.2						
762.300	36.5	-341.2	27.4	51.9	31.6	0.008	7.7	2.50
78.5 13.2	0.01	18.3						
762.400	36.6	-341.3	27.3	53.9	32.9	0.007	7.8	2.51
78.5 12.5	0.01	18.0						
762.500	35.9	-341.4	27.8	54.3	31.6	0.006	7.8	2.51
78.5 12.5	0.01	17.8						
762.600	36.3	-341.5	27.5	54.3	31.6	0.004	7.8	2.51
78.5 12.1	0.01	17.8						
762.700	36.9	-341.6	27.1	54.8	29.8	0.002	7.7	2.52
78.5 11.8	0.02	17.9						
762.800	37.5	-341.7	26.7	54.8	32.4	-0.000	7.8	2.53
78.5 11.3	0.02	17.7						
762.900	37.2	-341.7	26.9	54.7	32.0	0.002	7.7	2.53
78.5 11.5	0.02	17.6						
763.000	36.8	-341.8	27.2	54.3	32.9	0.002	7.7	2.53
78.5 11.4	0.02	17.5						
763.100	36.3	-341.8	27.5	53.6	35.5	0.004	7.8	2.53
78.5 11.5	0.01	17.5						
763.200	36.5	-341.8	27.4	54.0	38.5	0.006	7.7	2.53
78.5 11.2	0.01	17.5						
763.300	36.4	-341.8	27.5	55.3	38.3	0.015	7.8	2.53
78.5 10.9	0.01	17.6						
763.400	36.6	-341.8	27.3	55.1	42.0	0.018	7.8	2.53
78.5 11.2	0.01	17.7						
763.500	36.3	-341.8	27.5	55.2	42.6	0.014	7.8	2.53
78.5 11.1	0.01	17.4						
763.600	36.1	-341.7	27.7	55.0	43.3	0.015	7.7	2.54
78.5 10.8	0.01	17.3						
763.700	36.2	-341.7	27.6	56.0	45.0	0.011	7.7	2.54
78.5 10.6	0.01	17.3						
763.800	36.9	-341.7	27.1	56.5	49.3	0.011	7.7	2.53
78.5 11.4	0.01	17.3						
763.900	37.0	-341.7	27.1	58.3	48.2	0.010	7.7	2.52
78.5 11.6	0.01	17.4						
764.000	36.5	-341.6	27.4	57.9	51.7	0.010	7.7	2.53
78.5 11.4	0.01	17.5						
764.100	36.0	-341.6	27.8	59.3	54.1	0.012	7.7	2.53
78.5 11.3	0.01	17.4						
764.200	35.5	-341.6	28.2	59.6	59.3	0.009	7.8	2.53
78.5 11.4	0.01	17.3						
764.300	34.9	-341.6	28.7	60.4	59.9	0.013	7.7	2.53
78.5 11.3	0.01	17.1						
764.400	34.8	-341.7	28.7	60.3	62.1	0.016	7.8	2.53
78.5 11.2	0.01	17.0						

764.500	35.0	-341.7	28.6	61.3	62.9	0.017	7.8	2.54
78.5 10.8	0.01	17.0						
764.600	35.3	-341.9	28.3	60.4	65.5	0.014	7.8	2.55
78.5 10.1	0.01	16.9						
764.700	34.5	-342.0	29.0	61.5	66.4	0.015	7.8	2.55
78.5 10.1	0.01	16.6						
764.800	34.6	-342.3	28.9	63.6	68.8	0.016	7.8	2.54
78.5 10.6	0.01	16.1						
764.900	34.7	-342.5	28.8	65.2	69.0	0.014	7.8	2.55
78.5 10.1	0.01	15.7						
765.000	34.8	-342.8	28.8	66.0	72.7	0.014	7.7	2.55
78.5 10.0	0.01	15.8						
765.100	34.6	-343.2	28.9	66.7	73.5	0.018	7.7	2.55
78.5 10.2	0.01	15.4						
765.200	33.6	-343.5	29.8	67.4	70.5	0.023	7.7	2.54
78.5 10.4	0.01	15.1						
765.300	32.8	-343.9	30.5	68.2	66.4	0.024	7.7	2.54
78.5 10.3	0.01	14.7						
765.400	32.0	-344.3	31.2	68.8	67.0	0.025	7.7	2.55
78.5 9.6	0.01	14.4						
765.500	32.8	-344.8	30.5	70.6	64.0	0.034	7.7	2.55
78.5 9.9	0.01	14.1						
765.600	32.8	-345.2	30.5	73.3	62.1	0.033	7.7	2.54
78.5 10.6	0.01	13.8						
765.700	32.6	-345.6	30.7	80.4	58.8	0.029	7.7	2.54
78.5 10.5	0.01	13.6						
765.800	31.7	-346.1	31.5	83.2	54.3	0.031	7.7	2.53
78.6 11.1	0.01	13.4						
765.900	31.6	-346.7	31.6	84.9	50.0	0.029	7.7	2.53
78.5 11.0	0.01	13.0						
766.000	32.0	-347.2	31.3	89.7	47.8	0.028	7.7	2.52
78.6 11.7	0.01	12.7						
766.100	32.2	-347.8	31.0	93.1	42.2	0.027	7.7	2.51
78.5 12.4	0.01	12.5						
766.200	31.7	-348.5	31.5	98.4	37.8	0.028	7.7	2.49
78.5 13.4	0.01	12.6						
766.300	31.5	-349.2	31.8	100.9	32.7	0.025	7.7	2.49
78.6 13.5	0.01	12.5						
766.400	31.3	-349.9	32.0	99.4	28.5	0.022	7.7	2.48
78.6 14.5	0.01	12.5						
766.500	31.2	-350.6	32.1	102.5	22.3	0.018	7.7	2.46
78.6 15.3	0.01	12.3						
766.600	30.6	-351.2	32.7	105.0	19.2	0.019	7.7	2.46
78.6 15.7	0.01	12.5						
766.700	30.3	-351.9	33.0	102.4	19.2	0.021	7.7	2.45
78.6 16.2	0.01	12.7						
766.800	30.8	-352.5	32.4	102.2	18.2	0.019	7.8	2.44
78.6 16.9	0.01	13.0						
766.900	31.0	-353.0	32.3	95.6	15.8	0.020	7.8	2.40
78.6 19.0	0.01	13.3						
767.000	30.8	-353.5	32.5	93.8	14.1	0.024	7.8	2.38
78.6 20.2	0.01	13.7						
767.100	30.4	-353.9	32.9	90.7	12.5	0.027	7.8	2.36
78.6 21.8	0.01	14.1						

767.200	30.4	-354.2	32.9	89.1	11.5	0.025	7.8	2.32
78.6 24.1	0.01	14.5						
767.300	31.0	-354.5	32.3	87.1	11.9	0.023	7.8	2.29
78.6 26.1	0.01	15.1						
767.400	30.4	-354.7	32.9	86.8	13.2	0.027	7.8	2.26
78.6 28.2	0.02	16.0						
767.500	29.7	-354.8	33.7	83.8	13.2	0.030	7.8	2.23
78.6 30.0	0.01	16.5						
767.600	29.3	-355.0	34.2	83.6	12.8	0.033	7.8	2.20
78.6 31.8	0.01	17.2						
767.700	29.4	-355.0	34.0	81.8	13.0	0.034	7.8	2.17
78.6 33.4	0.01	17.7						
767.800	29.5	-355.1	33.9	81.5	13.8	0.032	7.8	2.15
78.6 34.8	0.01	18.7						
767.900	29.3	-355.1	34.2	83.6	14.5	0.032	7.8	2.14
78.6 35.5	0.01	19.4						
768.000	29.4	-355.2	34.0	84.1	14.3	0.029	7.8	2.13
78.6 36.2	0.01	20.1						
768.100	29.2	-355.1	34.3	84.4	13.8	0.025	7.7	2.11
78.6 37.3	0.01	20.6						
768.200	28.9	-355.1	34.7	86.7	14.3	0.020	7.7	2.11
78.6 37.5	0.01	21.1						
768.300	29.0	-355.1	34.5	87.5	14.1	0.021	7.7	2.10
78.6 37.8	0.01	21.3						
768.400	29.5	-355.0	34.0	89.3	13.4	0.013	7.7	2.11
78.6 37.1	0.01	21.6						
768.500	29.5	-355.0	33.9	94.7	13.6	0.011	7.8	2.12
78.6 36.5	0.01	21.7						
768.600	29.3	-355.0	34.1	90.9	14.3	0.010	7.8	2.16
78.6 34.3	0.01	21.7						
768.700	29.5	-354.9	33.9	91.3	14.1	0.011	7.7	2.19
78.6 32.4	0.01	21.4						
768.800	29.4	-354.9	34.1	92.6	14.5	0.010	7.8	2.22
78.6 30.7	0.02	21.1						
768.900	29.7	-354.9	33.7	90.5	13.6	0.012	7.8	2.24
78.6 29.2	0.01	20.4						
769.000	30.0	-354.8	33.4	89.9	12.8	0.014	7.8	2.26
78.6 27.7	0.01	20.1						
769.100	30.6	-354.7	32.6	87.8	12.8	0.017	7.8	2.29
78.6 26.3	0.01	19.2						
769.200	30.8	-354.7	32.4	84.5	12.5	0.017	7.8	2.32
78.6 24.4	0.01	18.5						
769.300	30.7	-354.7	32.6	83.8	11.9	0.021	7.8	2.35
78.6 22.7	0.01	17.5						
769.400	30.8	-354.7	32.5	81.0	11.7	0.024	7.8	2.38
78.6 20.6	0.01	16.9						
769.500	30.6	-354.6	32.6	81.0	11.7	0.033	7.8	2.39
78.6 19.9	0.01	16.1						
769.600	30.7	-354.6	32.5	82.8	11.2	0.028	7.9	2.41
78.6 18.9	0.01	15.2						
769.700	31.0	-354.5	32.3	83.4	11.5	0.029	7.8	2.41
78.6 18.6	0.01	14.1						
769.800	31.6	-354.5	31.7	82.9	11.7	0.030	7.8	2.43
78.6 17.6	0.01	13.7						

769.900	31.9	-354.5	31.4	82.6	12.1	0.031	7.8	2.43
78.6 17.3	0.01	12.8						
770.000	31.7	-354.5	31.5	84.2	12.3	0.026	7.8	2.44
78.6 17.0	0.01	12.2						
770.100	31.6	-354.4	31.7	84.8	11.5	0.022	7.7	2.44
78.6 17.0	0.01	11.8						
770.200	31.7	-354.4	31.5	84.8	10.8	0.019	7.8	2.43
78.6 17.4	0.01	11.4						
770.300	32.4	-354.4	30.9	84.5	10.4	0.015	7.7	2.43
78.6 17.7	0.01	11.1						
770.400	32.7	-354.3	30.6	82.5	9.9	0.013	7.8	2.42
78.6 17.9	0.01	10.9						
770.500	33.2	-354.2	30.1	84.7	10.8	0.014	7.8	2.41
78.6 18.3	0.01	10.9						
770.600	32.9	-354.2	30.4	81.3	9.9	0.009	7.8	2.41
78.6 18.4	0.01	11.0						
770.700	32.9	-354.1	30.4	78.7	10.8	0.008	7.8	2.41
78.6 18.9	0.01	11.2						
770.800	32.0	-354.0	31.3	77.5	11.5	0.002	7.8	2.39
78.6 19.8	0.01	11.3						
770.900	31.3	-353.9	31.9	75.0	11.9	0.005	7.8	2.37
78.6 21.0	0.01	11.2						
771.000	30.6	-353.7	32.7	75.0	13.6	0.009	7.8	2.36
78.6 21.6	0.01	11.5						
771.100	31.3	-353.6	32.0	74.3	16.0	0.006	7.8	2.36
78.6 22.0	0.02	11.6						
771.200	31.7	-353.5	31.6	71.0	16.2	0.005	7.8	2.35
78.6 22.7	0.02	12.2						
771.300	31.4	-353.3	31.9	71.2	17.1	0.002	7.9	2.34
78.6 23.1	0.01	12.2						
771.400	30.2	-353.2	33.1	71.5	19.7	0.006	7.8	2.33
78.6 23.3	0.02	12.6						
771.500	29.6	-353.0	33.8	73.1	20.8	0.003	7.8	2.33
78.6 23.4	0.02	13.0						
771.600	29.4	-352.8	34.0	73.5	22.1	0.006	7.8	2.33
78.6 23.4	0.02	13.3						
771.700	29.7	-352.6	33.7	75.6	23.1	0.007	7.8	2.35
78.6 22.6	0.02	13.5						
771.800	29.4	-352.4	34.0	77.7	23.1	0.011	7.8	2.36
78.6 22.0	0.02	13.7						
771.900	29.7	-352.3	33.7	83.5	24.9	0.013	7.8	2.37
78.6 21.2	0.02	13.7						
772.000	30.1	-352.2	33.2	87.9	25.3	0.007	7.8	2.39
78.6 20.1	0.01	13.4						
772.100	30.0	-352.1	33.3	93.7	25.7	0.006	7.7	2.40
78.6 19.3	0.01	13.2						
772.200	29.3	-352.1	34.3	97.6	24.9	0.004	7.7	2.42
78.6 18.3	0.01	13.0						
772.300	27.7	-352.3	36.1	102.4	24.9	0.001	7.7	2.43
78.6 17.2	0.01	12.9						
772.400	27.7	-352.4	36.2	106.6	23.6	0.003	7.7	2.46
78.6 15.7	0.01	12.6						
772.500	27.7	-352.6	36.2	113.9	23.1	0.009	7.8	2.48
78.6 14.5	0.01	12.2						

772.600	27.8	-352.8	35.9	119.9	22.5	0.011	7.8	2.49
78.7 13.5	0.01	11.8						
772.700	28.0	-353.1	35.8	124.4	21.8	0.012	7.8	2.52
78.6 12.0	0.01	11.2						
772.800	28.2	-353.5	35.5	124.7	21.0	0.017	7.7	2.53
78.7 11.2	0.01	10.9						
772.900	28.3	-353.9	35.4	134.7	19.0	0.020	7.7	2.54
78.6 10.6	0.01	10.3						
773.000	28.1	-354.3	35.6	138.0	19.2	0.019	7.8	2.56
78.6 9.4	0.01	9.7						
773.100	27.3	-354.7	36.6	140.3	18.2	0.019	7.7	2.56
78.6 9.3	0.01	9.0						
773.200	27.0	-355.1	37.1	150.5	17.5	0.017	7.7	2.56
78.7 9.6	0.01	8.5						
773.300	25.6	-355.5	39.1	160.1	18.6	0.017	7.7	2.56
78.6 9.5	0.01	8.0						
773.400	25.4	-355.8	39.4	176.7	17.3	0.021	7.7	2.56
78.7 9.1	0.01	7.6						
773.500	25.4	-356.2	39.4	198.6	16.7	0.026	7.7	2.56
78.7 9.2	0.01	7.4						
773.600	26.0	-356.5	38.4	198.0	18.4	0.027	7.7	2.56
78.6 9.2	0.01	7.1						
773.700	25.7	-356.9	39.0	196.5	18.2	0.030	7.7	2.57
78.6 8.8	0.01	6.9						
773.800	25.4	-357.2	39.5	199.5	18.8	0.028	7.7	2.57
78.7 9.0	0.01	6.7						
773.900	25.2	-357.4	39.8	202.4	19.7	0.027	7.7	2.55
78.7 9.8	0.01	6.6						
774.000	25.4	-357.6	39.4	209.7	19.7	0.025	7.7	2.55
78.7 9.7	0.01	6.5						
774.100	24.9	-357.8	40.2	206.2	18.2	0.022	7.7	2.55
78.7 9.8	0.01	6.3						
774.200	24.5	-357.9	40.8	206.2	18.4	0.021	7.7	2.55
78.7 10.2	0.01	6.5						
774.300	24.2	-358.0	41.4	219.9	18.6	0.025	7.7	2.54
78.7 10.4	0.01	6.4						
774.400	23.9	-358.1	42.0	233.7	17.5	0.024	7.8	2.55
78.7 10.1	0.01	6.5						
774.500	23.4	-358.1	42.7	243.3	16.9	0.028	7.8	2.53
78.7 10.9	0.01	6.4						
774.600	22.9	-358.2	43.6	246.8	16.7	0.029	7.8	2.53
78.7 11.0	0.01	6.5						
774.700	23.1	-358.2	43.3	271.9	16.2	0.024	7.8	2.53
78.7 10.9	0.01	6.6						
774.800	23.2	-358.2	43.0	313.0	14.7	0.021	7.8	2.53
78.7 11.2	0.01	6.7						
774.900	23.0	-358.3	43.5	310.2	15.1	0.019	7.8	2.52
78.7 11.8	0.01	6.8						
775.000	22.4	-358.3	44.6	299.4	14.9	0.017	7.8	2.52
78.7 12.1	0.01	6.8						
775.100	21.6	-358.4	46.2	304.2	13.8	0.015	7.8	2.51
78.7 12.2	0.01	6.8						
775.200	21.6	-358.4	46.2	298.6	13.6	0.019	7.7	2.50
78.7 13.0	0.01	6.9						

775.300	21.9	-358.4	45.7	281.3	13.0	0.020	7.8	2.51
78.7 12.6	0.01	7.0						
775.400	21.9	-358.5	45.7	253.3	13.4	0.023	7.8	2.51
78.7 12.3	0.01	7.0						
775.500	21.3	-358.5	46.9	218.6	12.8	0.022	7.7	2.51
78.7 12.6	0.01	7.1						
775.600	20.9	-358.5	48.0	209.7	15.1	0.018	7.8	2.50
78.7 12.9	0.01	7.3						
775.700	21.2	-358.5	47.2	209.7	15.1	0.010	7.8	2.50
78.7 13.1	0.01	7.1						
775.800	21.6	-358.5	46.4	208.4	14.9	0.005	7.8	2.50
78.7 13.2	0.01	7.1						
775.900	21.4	-358.5	46.8	226.5	14.5	0.003	7.8	2.50
78.7 12.9	0.01	7.0						
776.000	21.1	-358.4	47.5	249.9	13.4	0.006	7.7	2.52
78.7 11.8	0.01	6.9						
776.100	21.2	-358.4	47.2	256.0	14.5	0.010	7.8	2.53
78.7 11.0	0.01	6.9						
776.200	21.0	-358.4	47.6	259.3	14.5	0.014	7.7	2.55
78.7 10.2	0.01	6.8						
776.300	20.9	-358.4	47.8	261.7	15.1	0.017	7.7	2.56
78.7 9.3	0.01	6.8						
776.400	20.7	-358.4	48.3	275.9	15.1	0.021	7.7	2.57
78.7 8.5	0.01	6.6						
776.500	20.8	-358.4	48.1	285.9	15.4	0.019	7.7	2.58
78.7 7.9	0.01	6.6						
776.600	20.4	-358.6	49.1	334.9	14.3	0.022	7.7	2.59
78.7 7.4	0.01	6.5						
776.700	20.6	-358.8	48.6	398.2	14.5	0.024	7.7	2.60
78.7 6.7	0.01	6.2						
776.800	20.3	-359.1	49.5	658.0	14.5	0.025	7.8	2.60
78.7 6.9	0.01	6.1						
776.900	20.6	-359.4	48.7	801.9	13.6	0.026	7.7	2.60
78.7 6.8	0.01	6.1						
777.000	20.3	-359.7	49.2	906.7	13.0	0.034	7.7	2.61
78.7 6.0	0.01	5.9						
777.100	20.7	-360.1	48.3	933.1	11.2	0.038	7.8	2.62
78.7 5.7	0.01	5.7						
777.200	20.5	-360.5	48.7	937.8	10.8	0.041	7.8	2.63
78.7 5.1	0.01	5.7						
777.300	19.9	-360.9	50.3	874.2	11.5	0.041	7.7	2.63
78.7 4.9	0.01	5.6						
777.400	20.0	-361.3	50.1	811.0	13.2	0.037	7.8	2.62
78.7 5.6	0.01	5.6						
777.500	20.1	-361.7	50.0	811.0	13.2	0.034	7.7	2.60
78.7 6.8	0.01	5.5						
777.600	20.9	-362.1	47.8	759.4	12.5	0.031	7.8	2.59
78.7 7.7	0.01	5.4						
777.700	21.3	-362.3	46.9	711.6	12.8	0.028	7.7	2.57
78.7 8.8	0.01	5.5						
777.800	22.5	-362.6	44.6	748.5	12.1	0.030	7.7	2.55
78.7 10.0	0.01	5.6						
777.900	22.6	-362.7	44.4	832.2	12.1	0.028	7.7	2.54
78.7 10.9	0.01	5.7						

778.000	22.2	-362.9	45.1	935.2	12.3	0.027	7.7	2.52
78.7 11.5	0.01	5.7						
778.100	21.1	-363.0	47.5	966.7	13.6	0.034	7.7	2.52
78.7 12.0	0.01	5.8						
778.200	21.0	-363.1	47.6	715.5	13.4	0.046	7.7	2.50
78.7 12.8	0.01	5.9						
778.300	21.5	-363.2	46.5	634.5	12.5	0.046	7.7	2.50
78.7 13.3	0.01	5.9						
778.400	22.2	-363.2	45.2	604.5	10.8	0.050	7.6	2.48
78.7 14.4	0.01	6.0						
778.500	22.1	-363.2	45.3	563.2	11.5	0.049	7.6	2.46
78.7 15.4	0.01	6.1						
778.600	21.2	-363.1	47.3	546.8	10.6	0.050	7.6	2.45
78.7 16.1	0.01	6.2						
778.700	20.7	-363.1	48.3	469.0	11.9	0.047	7.6	2.43
78.7 17.1	0.01	6.2						
778.800	20.4	-363.0	49.0	1201.0	11.7	0.048	7.6	2.42
78.7 17.9	0.01	6.2						
778.900	20.8	-362.9	48.0	1192.3	10.4	0.046	7.6	2.42
78.7 17.8	0.01	6.3						
779.000	21.5	-362.7	46.7	1440.8	9.9	0.045	7.7	2.43
78.7 17.3	0.01	6.4						
779.100	21.8	-362.5	46.0	1448.2	10.4	0.048	7.7	2.44
78.7 17.0	0.01	6.5						
779.200	21.1	-362.4	47.6	1518.6	10.6	0.048	7.8	2.43
78.7 17.1	0.01	6.5						
779.300	20.6	-362.1	48.7	1464.5	11.2	0.041	7.8	2.44
78.7 16.6	0.01	6.4						
779.400	20.8	-361.9	48.2	1471.9	10.8	0.032	7.8	2.45
78.7 16.2	0.01	6.4						
779.500	22.2	-361.7	45.1	705.1	11.2	0.020	7.8	2.45
78.7 16.1	0.01	6.5						
779.600	22.5	-361.6	44.4	700.3	10.4	0.015	7.8	2.45
78.7 16.0	0.01	6.5						
779.700	22.4	-361.4	44.6	700.3	11.5	0.013	7.8	2.46
78.7 15.7	0.01	6.6						
779.800	22.0	-361.2	45.4	673.7	13.2	0.012	7.8	2.47
78.7 15.2	0.01	6.6						
779.900	22.4	-361.0	44.6	564.4	14.3	0.010	7.8	2.47
78.7 14.7	0.01	6.6						
780.000	23.0	-360.9	43.5	542.5	13.2	0.011	7.8	2.49
78.7 13.9	0.01	6.6						
780.100	23.0	-360.7	43.4	506.5	13.6	0.017	7.8	2.50
78.7 13.0	0.01	6.7						
780.200	22.9	-360.6	43.7	513.7	12.3	0.025	7.8	2.51
78.7 12.3	0.01	6.8						
780.300	23.0	-360.5	43.4	507.8	11.7	0.031	7.8	2.52
78.7 11.9	0.01	6.8						
780.400	23.2	-360.4	43.0	229.8	11.7	0.029	7.8	2.52
78.7 11.9	0.01	6.8						
780.500	23.2	-360.4	43.2	213.5	12.3	0.031	7.8	2.50
78.7 12.9	0.01	6.8						
780.600	23.0	-360.3	43.6	211.2	11.9	0.035	7.8	2.49
78.7 13.4	0.01	6.8						

780.700	23.1	-360.2	43.2	192.0	12.5	0.036	7.8	2.49
78.7 13.7	0.01	6.8						
780.800	23.2	-360.1	43.1	186.9	12.3	0.036	7.8	2.48
78.8 14.1	0.01	6.8						
780.900	23.4	-360.0	42.8	161.0	13.4	0.035	7.8	2.47
78.7 14.9	0.01	6.8						
781.000	23.8	-359.9	42.1	161.0	13.8	0.030	7.8	2.46
78.8 15.4	0.01	6.8						
781.100	24.3	-359.8	41.2	159.9	14.3	0.027	7.7	2.45
78.8 16.1	0.01	6.9						
781.200	24.5	-359.8	40.7	162.9	12.8	0.024	7.7	2.44
78.7 16.6	0.01	6.9						
781.300	24.9	-359.8	40.1	161.0	11.5	0.021	7.7	2.44
78.8 16.9	0.01	7.0						
781.400	25.1	-359.8	39.9	160.0	10.8	0.014	7.7	2.45
78.8 16.4	0.01	7.0						
781.500	24.9	-359.8	40.2	168.6	10.8	0.007	7.7	2.44
78.7 16.6	0.01	7.0						
781.600	24.7	-359.9	40.5	174.2	10.8	0.003	7.7	2.43
78.8 17.1	0.01	6.8						
781.700	25.2	-360.0	39.8	163.8	11.0	0.000	7.7	2.43
78.8 17.6	0.01	6.8						
781.800	25.7	-360.1	38.9	161.1	10.4	-0.005	7.7	2.42
78.7 17.9	0.02	6.8						
781.900	26.1	-360.3	38.3	163.6	10.4	-0.008	7.7	2.42
78.7 18.2	0.02	6.8						
782.000	25.8	-360.4	38.8	166.5	9.7	-0.008	7.8	2.43
78.7 17.7	0.01	6.8						
782.100	26.1	-360.6	38.4	167.0	9.5	-0.005	7.8	2.43
78.8 17.2	0.02	7.0						
782.200	25.9	-360.8	38.6	159.5	8.0	-0.003	7.7	2.44
78.8 16.8	0.01	6.9						
782.300	26.2	-361.0	38.2	152.4	8.7	0.002	7.7	2.44
78.8 16.8	0.01	6.8						
782.400	26.5	-361.1	37.8	149.5	7.6	0.003	7.7	2.45
78.8 16.3	0.02	6.7						
782.500	27.4	-361.3	36.6	148.7	5.6	0.004	7.7	2.45
78.8 15.9	0.01	6.6						
782.600	27.7	-361.4	36.1	143.2	5.2	0.008	7.7	2.46
78.8 15.5	0.01	6.4						
782.700	27.7	-361.5	36.1	141.1	5.6	0.010	7.7	2.47
78.8 14.9	0.01	6.3						
782.800	27.2	-361.7	36.7	142.2	6.1	0.010	7.7	2.47
78.8 15.2	0.01	6.2						
782.900	27.7	-361.8	36.1	142.2	6.1	0.006	7.7	2.46
78.8 15.5	-0.01	6.1						
783.000	27.5	-361.9	36.4	153.1	5.8	0.007	7.7	2.45
78.8 15.9	-0.01	6.1						
783.100	28.0	-362.0	35.8	157.9	5.8	0.009	7.7	2.45
78.8 16.2	-0.01	6.0						
783.200	27.5	-362.1	36.4	160.4	4.8	0.008	7.7	2.46
78.8 15.8	-0.01	5.8						
783.300	26.9	-362.2	37.3	162.3	5.6	0.006	7.7	2.46
78.8 15.5	-0.01	5.7						

783.400	26.8	-362.3	37.4	162.3	6.9	0.005	7.7	2.47
78.8 14.9	-0.01	5.7						
783.500	26.9	-362.4	37.2	159.1	7.6	0.004	7.7	2.48
78.8 14.5	-0.01	5.5						
783.600	27.6	-362.5	36.2	154.9	7.4	0.002	7.7	2.48
78.8 14.2	-0.01	5.2						
783.700	27.0	-362.6	37.0	143.3	7.8	0.003	7.7	2.49
78.8 13.7	-0.01	5.2						
783.800	27.0	-362.7	37.0	137.3	6.9	0.003	7.7	2.49
78.8 13.5	0.01	5.2						
783.900	27.1	-362.8	37.0	133.4	7.8	-0.002	7.7	2.50
78.8 13.0	0.01	5.3						
784.000	27.8	-362.8	36.0	130.7	9.7	-0.003	7.7	2.51
78.8 12.3	0.02	5.3						
784.100	28.6	-362.9	35.0	125.7	9.3	-0.000	7.7	2.51
78.8 12.3	0.02	5.2						
784.200	29.1	-362.9	34.4	120.4	9.9	0.005	7.8	2.51
78.8 12.4	0.02	5.2						
784.300	29.3	-362.9	34.1	116.2	9.5	0.006	7.7	2.51
78.8 12.2	0.02	5.2						
784.400	29.1	-362.9	34.3	115.6	9.1	0.010	7.7	2.52
78.8 12.1	0.04	5.3						
784.500	29.6	-362.9	33.8	112.9	8.9	0.017	7.7	2.52
78.8 12.1	0.04	5.1						
784.600	30.0	-362.8	33.4	107.1	9.3	0.020	7.7	2.52
78.5 11.6	0.04	5.2						
784.700	30.2	-362.8	33.1	98.1	10.6	0.023	7.7	2.51
78.8 12.4	0.04	5.2						
784.800	30.2	-362.7	33.1	94.2	11.2	0.020	7.7	2.50
78.8 13.0	0.04	5.3						
784.900	30.1	-362.6	33.2	90.2	9.9	0.019	7.7	2.49
78.8 13.5	0.04	5.4						
785.000	30.0	-362.5	33.3	85.5	10.2	0.019	7.7	2.48
78.8 14.5	0.03	5.5						
785.100	29.9	-362.3	33.5	79.6	10.6	0.017	7.7	2.47
78.8 15.0	0.03	5.6						
785.200	30.5	-362.2	32.8	76.8	11.5	0.020	7.7	2.47
78.8 15.0	0.03	5.8						
785.300	31.2	-362.0	32.1	75.6	10.8	0.024	7.7	2.47
78.8 15.1	0.01	5.9						
785.400	31.6	-361.8	31.7	74.5	10.2	0.019	7.7	2.46
78.8 15.4	0.01	5.8						
785.500	31.3	-361.7	31.9	72.5	9.7	0.017	7.7	2.46
78.8 15.8	0.01	5.9						
785.600	30.6	-361.5	32.6	71.8	10.2	0.016	7.8	2.46
78.8 15.3	0.01	6.0						
785.700	30.7	-361.3	32.6	70.8	9.9	0.013	7.8	2.47
78.8 15.2	0.01	6.1						
785.800	30.4	-361.1	32.9	70.0	10.8	0.007	7.8	2.47
78.8 15.1	0.01	6.2						
785.900	31.6	-361.0	31.7	67.7	12.1	0.007	7.8	2.46
78.8 15.3	0.01	6.2						
786.000	32.0	-360.9	31.3	65.8	12.5	0.003	7.8	2.47
78.8 14.8	0.01	6.4						

786.100	32.9	-360.7	30.4	64.9	12.1	0.009	7.8	2.47
78.8 15.0	0.01	6.3						
786.200	32.6	-360.6	30.7	63.9	12.1	0.009	7.8	2.48
78.8 14.3	0.01	6.4						
786.300	32.7	-360.5	30.6	62.2	11.5	0.010	7.8	2.48
78.8 14.0	0.01	6.4						
786.400	32.7	-360.4	30.6	60.2	11.7	0.013	7.8	2.49
78.8 13.8	0.01	6.4						
786.500	33.6	-360.2	29.8	57.4	11.7	0.014	7.8	2.49
78.8 13.5	0.01	6.5						
786.600	34.2	-360.1	29.3	56.5	11.9	0.009	7.8	2.49
78.8 13.7	0.01	6.5						
786.700	35.1	-360.0	28.5	56.0	10.2	0.008	7.8	2.48
78.8 14.2	0.01	6.7						
786.800	35.7	-359.9	28.0	54.2	10.6	0.009	7.7	2.48
78.8 14.3	0.02	7.0						
786.900	36.5	-359.8	27.4	51.0	10.4	0.011	7.7	2.48
78.8 14.0	0.01	7.4						
787.000	37.0	-359.7	27.0	49.1	9.3	0.014	7.7	2.47
78.8 14.6	0.02	7.6						
787.100	37.6	-359.6	26.6	47.7	10.2	0.015	7.7	2.46
78.9 15.7	0.02	8.1						
787.200	38.8	-359.5	25.8	45.9	9.9	0.014	7.7	2.46
78.8 15.7	0.02	8.3						
787.300	39.2	-359.4	25.5	43.9	8.7	0.014	7.7	2.44
78.9 16.5	0.02	9.1						
787.400	39.6	-359.3	25.3	41.3	8.7	0.009	7.7	2.44
78.8 17.0	0.02	9.8						
787.500	40.2	-359.3	24.9	39.6	9.1	0.012	7.8	2.41
78.9 18.4	0.02	10.8						
787.600	41.3	-359.2	24.3	38.0	8.9	0.012	7.8	2.40
78.9 19.5	0.02	11.6						
787.700	41.9	-359.0	23.9	36.4	9.7	0.015	7.8	2.38
78.9 20.8	0.01	12.3						
787.800	42.3	-358.9	23.6	34.6	10.6	0.017	7.8	2.35
78.9 22.1	0.02	13.1						
787.900	42.6	-358.8	23.5	33.2	11.7	0.019	7.8	2.33
78.9 23.9	0.01	14.1						
788.000	43.2	-358.6	23.1	31.4	12.3	0.018	7.9	2.31
78.9 25.2	0.02	15.2						
788.100	43.6	-358.4	23.0	29.9	13.0	0.019	7.9	2.29
78.9 26.2	0.02	16.0						
788.200	44.6	-358.3	22.4	28.7	13.6	0.016	7.9	2.26
78.9 27.7	0.02	17.1						
788.300	45.0	-358.1	22.2	28.0	13.2	0.009	7.8	2.23
78.9 29.6	0.01	17.9						
788.400	46.2	-358.0	21.7	27.2	13.4	0.005	7.9	2.19
78.9 32.1	0.02	19.2						
788.500	47.6	-357.9	21.0	26.6	14.5	0.001	7.9	2.17
78.9 33.7	0.02	20.2						
788.600	48.9	-357.8	20.5	26.1	14.5	-0.002	7.9	2.14
78.9 35.2	0.01	21.1						
788.700	49.6	-357.7	20.2	25.6	14.3	-0.001	7.8	2.11
78.9 37.4	0.02	22.1						

788.800	50.0	-357.7	20.0	25.0	14.5	-0.006	7.8	2.08
78.9 38.9	0.02	22.5						
788.900	50.8	-357.7	19.7	24.6	14.1	-0.009	7.8	2.06
78.9 40.3	0.01	23.1						
789.000	51.7	-357.7	19.3	24.1	14.3	-0.011	7.8	2.04
78.9 41.4	0.01	23.5						
789.100	52.3	-357.8	19.1	23.6	15.4	-0.015	7.8	2.03
78.9 42.4	0.01	24.1						
789.200	52.9	-357.8	18.9	23.3	14.5	-0.017	7.8	2.01
78.9 43.6	0.01	24.9						
789.300	52.7	-357.9	19.0	23.0	13.6	-0.020	7.8	2.00
78.9 44.2	0.01	25.8						
789.400	52.8	-357.9	19.0	22.5	13.0	-0.023	7.8	1.99
78.9 44.5	0.02	25.8						
789.500	52.7	-358.1	19.0	22.3	11.5	-0.026	7.8	1.98
78.9 45.0	0.02	26.0						
789.600	53.3	-358.2	18.8	22.2	11.5	-0.026	7.8	1.97
78.9 45.7	0.01	26.8						
789.700	53.6	-358.3	18.7	22.1	11.7	-0.024	7.8	1.97
78.9 46.1	0.02	26.7						
789.800	53.9	-358.4	18.5	21.9	12.5	-0.023	7.8	1.97
78.9 45.9	0.02	27.1						
789.900	54.8	-358.5	18.3	21.5	13.2	-0.023	7.8	1.97
78.9 45.7	0.02	26.8						
790.000	55.5	-358.6	18.0	21.2	12.1	-0.026	7.8	1.98
78.9 45.6	0.02	26.9						
790.100	56.5	-358.7	17.7	21.2	11.2	-0.024	7.8	1.98
78.9 45.5	0.02	26.6						
790.200	57.0	-358.8	17.5	21.1	11.9	-0.023	7.9	1.98
78.9 45.3	0.02	27.3						
790.300	57.9	-358.9	17.3	20.8	11.2	-0.025	7.8	1.99
78.9 45.0	0.02	27.2						
790.400	58.8	-359.0	17.0	20.5	11.5	-0.025	7.8	1.99
78.9 44.7	0.02	27.2						
790.500	59.0	-359.1	17.0	20.3	13.0	-0.023	7.8	2.00
78.9 44.3	0.02	27.2						
790.600	58.7	-359.1	17.0	20.2	12.1	-0.018	7.8	2.01
78.9 43.8	0.02	27.2						
790.700	58.7	-359.2	17.0	20.0	12.1	-0.014	7.8	2.01
78.9 43.6	0.02	27.0						
790.800	58.7	-359.3	17.1	19.8	11.9	-0.013	7.8	2.01
78.9 43.4	0.02	26.6						
790.900	58.9	-359.4	17.0	19.7	10.8	-0.013	7.8	2.02
78.9 42.9	0.02	27.1						
791.000	59.2	-359.5	16.9	19.6	12.1	-0.011	7.8	2.03
78.9 42.5	0.02	26.7						
791.100	59.9	-359.6	16.7	19.7	10.8	-0.008	7.8	2.03
78.9 42.3	0.02	26.4						
791.200	60.9	-359.6	16.4	19.6	10.6	-0.007	7.8	2.03
78.9 42.0	0.02	26.5						
791.300	60.5	-359.7	16.5	19.6	11.5	-0.007	7.8	2.04
78.9 41.8	0.02	26.2						
791.400	59.8	-359.8	16.7	19.6	11.5	-0.009	7.8	2.04
78.9 41.3	0.02	27.1						

791.500	59.4	-359.9	16.8	19.5	10.8	-0.009	7.8	2.05
78.9	41.1	0.02 26.9						
791.600	59.9	-359.9	16.7	19.7	11.5	-0.009	7.8	2.05
78.9	40.7	0.02 27.0						
791.700	59.8	-360.0	16.7	19.6	11.2	-0.008	7.9	2.07
78.9	40.0	0.02 26.4						
791.800	60.0	-360.0	16.7	19.6	11.5	-0.007	7.9	2.07
78.9	39.8	0.02 26.5						
791.900	59.4	-360.0	16.8	19.8	11.7	-0.009	7.9	2.07
78.9	39.7	0.02 26.4						
792.000	60.3	-360.0	16.6	19.9	9.7	-0.011	7.9	2.07
78.9	39.9	0.02 26.3						
792.100	60.3	-360.0	16.6	20.3	10.6	-0.011	7.9	2.07
78.9	40.0	0.02 26.2						
792.200	60.3	-359.9	16.6	20.5	10.8	-0.013	7.9	2.07
78.9	39.7	0.02 26.0						
792.300	59.9	-359.9	16.7	20.6	11.9	-0.015	7.9	2.07
79.0	39.6	0.02 26.0						
792.400	59.9	-359.8	16.7	20.7	13.0	-0.020	7.9	2.07
78.9	39.6	0.02 25.7						
792.500	59.5	-359.7	16.8	20.8	13.4	-0.018	7.9	2.07
79.0	39.6	0.02 25.8						
792.600	58.7	-359.7	17.0	20.9	13.8	-0.014	7.9	2.08
78.9	39.2	0.02 25.7						
792.700	57.4	-359.6	17.4	21.0	16.2	-0.011	7.9	2.08
79.0	39.1	0.02 25.3						
792.800	57.0	-359.5	17.5	20.9	18.4	-0.009	7.8	2.08
79.0	39.3	0.02 25.4						
792.900	56.0	-359.5	17.9	21.1	21.8	-0.010	7.8	2.07
79.0	39.6	0.03 24.4						
793.000	55.5	-359.4	18.0	21.3	25.3	-0.011	7.8	2.07
79.0	39.6	0.03 24.3						
793.100	55.2	-359.3	18.1	21.3	26.0	-0.012	7.8	2.08
79.0	39.3	0.02 25.2						
793.200	55.4	-359.2	18.0	21.4	27.7	-0.009	7.8	2.07
79.0	39.8	0.03 25.1						
793.300	54.2	-359.2	18.5	21.6	29.2	-0.010	7.8	2.07
79.0	39.9	0.03 25.5						
793.400	52.4	-359.1	19.1	21.8	32.2	-0.010	7.8	2.06
79.0	40.2	0.03 25.6						
793.500	51.4	-359.0	19.4	22.1	33.7	-0.008	7.8	2.06
79.0	40.2	0.03 25.2						
793.600	51.0	-358.8	19.6	22.4	34.8	-0.007	7.8	2.06
79.0	40.5	0.03 25.3						
793.700	50.9	-358.7	19.7	22.6	35.0	-0.007	7.8	2.06
79.0	40.5	0.03 25.7						
793.800	50.2	-358.6	19.9	23.2	35.3	-0.010	7.8	2.06
79.0	40.3	0.03 25.8						
793.900	49.7	-358.5	20.1	23.7	35.9	-0.012	7.8	2.06
79.0	40.6	0.03 25.8						
794.000	48.8	-358.4	20.5	24.1	37.6	-0.015	7.8	2.05
79.0	41.0	0.03 26.2						
794.100	47.8	-358.3	20.9	24.8	38.9	-0.018	7.8	2.04
79.0	41.7	0.03 26.3						

794.200	46.6	-358.2	21.5	25.4	38.1	-0.020	7.8	2.04
79.0 41.6	0.03	26.2						
794.300	45.7	-358.2	21.9	26.1	36.8	-0.018	7.8	2.04
79.0 41.4	0.03	26.0						
794.400	44.9	-358.2	22.3	26.8	34.4	-0.018	7.9	2.04
79.0 41.3	0.03	26.1						
794.500	43.9	-358.2	22.8	27.8	32.7	-0.022	7.9	2.05
79.0 41.3	0.03	26.7						
794.600	43.3	-358.2	23.1	28.8	31.6	-0.019	7.9	2.04
79.0 41.6	0.03	25.7						
794.700	42.5	-358.3	23.5	29.7	32.0	-0.018	7.9	2.04
79.0 41.5	0.03	25.4						
794.800	42.2	-358.3	23.7	30.6	30.9	-0.017	7.8	2.04
79.0 41.5	0.03	25.2						
794.900	41.6	-358.4	24.0	31.8	27.9	-0.018	7.9	2.05
79.0 41.0	0.03	25.1						
795.000	40.8	-358.4	24.5	32.8	26.4	-0.015	7.8	2.05
79.0 40.8	0.02	25.1						
795.100	40.2	-358.5	24.9	34.4	24.9	-0.015	7.8	2.07
79.0 39.8	0.03	24.8						
795.200	39.6	-358.5	25.3	36.0	23.6	-0.014	7.9	2.07
79.0 39.5	0.03	24.7						
795.300	39.1	-358.6	25.6	37.5	22.1	-0.011	7.8	2.08
79.0 39.1	0.03	24.2						
795.400	38.9	-358.7	25.7	39.4	22.1	-0.011	7.9	2.09
79.0 38.7	0.03	24.3						
795.500	38.3	-358.8	26.1	40.4	19.0	-0.006	7.9	2.10
79.0 38.1	0.03	23.4						
795.600	37.9	-358.9	26.4	41.1	17.7	-0.004	7.8	2.11
79.0 37.5	0.03	23.3						
795.700	37.2	-359.1	26.9	41.8	17.3	-0.002	7.9	2.11
79.0 37.5	0.03	23.6						
795.800	36.9	-359.2	27.1	42.6	15.4	0.001	7.8	2.10
79.1 37.6	0.03	23.2						
795.900	36.5	-359.4	27.4	42.4	13.4	0.001	7.9	2.11
79.0 37.4	0.03	22.6						
796.000	36.3	-359.6	27.6	42.1	12.3	0.003	7.8	2.11
79.1 37.3	0.03	21.6						
796.100	36.4	-359.7	27.5	39.9	13.4	0.004	7.9	2.11
79.0 37.0	0.03	21.3						
796.200	37.2	-359.9	26.9	41.1	11.2	0.006	7.8	2.12
79.1 36.6	0.03	21.7						
796.300	37.6	-360.1	26.6	40.4	11.9	0.008	7.8	2.13
79.1 36.3	0.03	21.3						
796.400	37.9	-360.3	26.4	39.7	11.0	0.009	7.8	2.12
79.1 36.5	0.03	20.7						
796.500	37.5	-360.5	26.6	38.8	11.2	0.007	7.8	2.13
79.1 36.3	0.03	20.6						
796.600	37.0	-360.6	27.1	38.1	11.5	0.005	7.8	2.12
79.1 36.5	0.03	20.3						
796.700	37.1	-360.7	27.0	37.6	11.0	0.004	7.7	2.12
79.1 36.4	0.03	20.1						
796.800	37.5	-360.8	26.7	39.0	12.5	0.001	7.7	2.12
79.1 36.5	0.03	20.5						

796.900	38.2	-360.9	26.2	37.3	12.1	-0.002	7.7	2.12
79.1 36.7	0.03	20.3						
797.000	37.8	-360.9	26.5	37.0	12.8	-0.006	7.7	2.12
79.1 36.8	0.03	20.4						
797.100	37.7	-361.0	26.5	36.6	13.2	-0.007	7.7	2.12
79.1 36.7	0.03	20.2						
797.200	37.0	-361.1	27.1	35.7	13.0	-0.005	7.7	2.12
79.1 36.8	0.03	20.2						
797.300	36.8	-361.1	27.2	35.3	14.1	-0.005	7.7	2.12
79.1 36.7	0.03	20.7						
797.400	35.7	-361.0	28.0	34.4	15.8	-0.004	7.7	2.12
79.1 36.9	0.03	21.7						
797.500	35.8	-361.0	28.0	33.3	16.4	-0.003	7.7	2.11
79.1 37.1	0.03	22.3						
797.600	36.2	-361.0	27.7	32.2	16.2	-0.004	7.7	2.11
79.1 37.4	0.03	22.2						
797.700	36.6	-360.9	27.3	31.0	17.1	-0.003	7.7	2.11
79.1 37.5	0.03	21.9						
797.800	36.3	-360.9	27.6	31.8	17.5	0.003	7.7	2.10
79.1 37.7	0.03	22.0						
797.900	35.5	-360.8	28.2	31.2	19.7	0.005	7.7	2.10
79.1 38.0	0.03	22.8						
798.000	35.9	-360.8	27.9	30.7	19.9	0.005	7.7	2.09
79.1 38.3	0.03	22.9						
798.100	36.6	-360.8	27.3	30.3	21.8	0.005	7.7	2.09
79.1 38.4	0.03	23.4						
798.200	36.3	-360.8	27.6	30.1	23.8	0.007	7.8	2.09
79.1 38.5	0.03	23.3						
798.300	37.0	-360.8	27.1	30.1	22.3	0.008	7.8	2.08
79.1 38.8	0.03	23.0						
798.400	37.0	-360.8	27.1	30.7	22.9	0.005	7.9	2.09
79.1 38.5	0.03	23.1						
798.500	37.7	-360.8	26.5	29.6	25.1	0.002	7.9	2.09
79.1 38.4	0.03	23.5						
798.600	38.2	-360.8	26.3	30.1	26.8	-0.000	7.9	2.09
79.1 38.5	0.03	23.9						
798.700	38.2	-360.8	26.2	30.4	28.5	-0.003	7.9	2.09
79.1 38.5	0.03	24.2						
798.800	38.9	-360.9	25.7	30.8	29.8	-0.007	7.9	2.09
79.1 38.6	0.03	24.1						
798.900	38.7	-360.9	25.9	31.2	31.6	-0.010	7.9	2.09
79.2 38.5	0.03	23.7						
799.000	39.0	-361.0	25.6	31.5	32.9	-0.011	7.9	2.09
79.2 38.4	0.03	23.5						
799.100	39.6	-361.0	25.3	31.7	34.2	-0.015	7.9	2.09
79.2 38.4	0.03	23.9						
799.200	39.7	-361.1	25.2	32.4	35.0	-0.014	7.9	2.09
79.2 38.4	0.03	24.0						
799.300	39.4	-361.1	25.4	33.0	36.6	-0.011	7.9	2.10
79.2 38.1	0.03	24.3						
799.400	39.4	-361.1	25.4	33.7	36.1	-0.006	7.9	2.10
79.2 37.6	0.03	24.2						
799.500	39.4	-361.2	25.4	34.5	37.4	-0.005	7.8	2.11
79.2 37.4	0.03	24.2						

799.600	40.1	-361.2	25.0	34.6	35.3	-0.005	7.8	2.11
79.2 37.1	0.03	23.6						
799.700	39.9	-361.2	25.1	35.3	35.9	-0.003	7.8	2.11
79.2 37.0	0.03	23.6						
799.800	39.9	-361.2	25.0	36.9	38.9	-0.007	7.8	2.12
79.2 36.5	0.03	23.5						
799.900	39.9	-361.2	25.0	37.3	40.2	-0.008	7.8	2.13
79.2 36.1	0.03	23.4						
800.000	40.5	-361.3	24.7	38.5	40.9	-0.009	7.8	2.14
79.2 35.6	0.02	23.2						
800.100	40.8	-361.3	24.5	39.6	39.8	-0.007	7.8	2.14
79.2 35.4	0.02	23.0						
800.200	40.6	-361.4	24.6	40.8	37.4	-0.008	7.8	2.15
79.2 35.0	0.02	22.3						
800.300	39.8	-361.5	25.1	42.2	35.7	-0.008	7.8	2.16
79.2 34.4	0.02	21.9						
800.400	39.8	-361.6	25.1	43.6	34.0	-0.002	7.8	2.17
79.2 33.5	0.02	21.6						
800.500	39.9	-361.7	25.1	44.2	33.3	0.004	7.9	2.20
79.2 31.8	0.02	21.4						
800.600	40.6	-361.8	24.6	44.6	33.1	0.019	7.8	2.21
79.2 31.2	0.02	21.5						
800.700	40.8	-362.0	24.5	44.6	32.4	0.019	7.8	2.21
79.2 31.2	0.01	20.8						
800.800	40.8	-362.2	24.5	44.2	30.9	0.015	7.7	2.20
79.2 31.4	0.01	20.6						
800.900	40.2	-362.4	24.9	44.1	31.6	0.012	7.7	2.20
79.2 31.5	0.01	20.2						
801.000	39.7	-362.6	25.2	44.0	30.9	0.008	7.7	2.20
79.2 31.5	0.01	20.0						
801.100	39.6	-362.8	25.3	43.8	30.7	0.008	7.6	2.20
79.2 31.7	0.01	20.4						
801.200	40.1	-363.0	25.0	43.6	30.7	0.008	7.6	2.21
79.2 31.3	0.01	21.0						
801.300	40.1	-363.1	24.9	43.9	29.0	0.009	7.7	2.21
79.2 30.8	0.01	21.1						
801.400	39.9	-363.3	25.1	43.7	27.5	0.011	7.7	2.21
79.2 30.9	0.01	20.5						
801.500	38.8	-363.5	25.8	43.7	24.7	0.019	7.7	2.21
79.2 31.2	0.01	20.5						
801.600	38.2	-363.7	26.2	43.5	24.9	0.021	7.7	2.20
79.2 31.4	0.01	20.0						
801.700	38.4	-364.0	26.0	43.5	25.1	0.016	7.8	2.21
79.2 31.0	0.01	20.1						
801.800	38.1	-364.2	26.3	43.1	27.3	0.017	7.8	2.21
79.2 31.2	0.01	20.5						
801.900	38.3	-364.4	26.1	42.9	26.6	0.003	7.8	2.20
79.2 32.0	0.01	20.4						
802.000	38.1	-364.6	26.3	42.4	26.4	-0.000	7.8	2.17
79.2 33.4	0.01	20.4						
802.100	38.2	-364.8	26.2	42.1	26.2	0.003	7.8	2.16
79.2 33.9	0.01	20.2						
802.200	37.7	-365.0	26.5	42.0	28.1	0.007	7.7	2.16
79.2 34.1	0.01	20.8						

802.300	36.6	-365.2	27.3	42.2	28.8	0.009	7.7	2.16
79.2 34.3	0.01	20.7						
802.400	36.0	-365.4	27.8	42.0	29.0	0.010	7.7	2.15
79.2 34.7	0.00	20.8						
802.500	35.5	-365.7	28.2	41.8	29.0	0.013	7.7	2.15
79.2 35.0	0.00	20.5						
802.600	35.3	-365.9	28.3	42.6	30.5	0.012	7.7	2.14
79.2 35.4	0.00	20.2						
802.700	35.7	-366.1	28.0	43.5	29.6	0.008	7.7	2.14
79.2 35.5	0.00	19.5						
802.800	35.9	-366.3	27.9	45.0	30.1	0.008	7.7	2.12
79.2 36.4	0.00	19.2						
802.900	35.7	-366.5	28.0	46.6	30.3	0.006	7.8	2.12
79.2 36.9	0.00	19.5						
803.000	35.1	-366.7	28.5	47.9	32.7	0.007	7.8	2.12
79.2 36.8	0.00	19.3						
803.100	34.7	-366.9	28.8	49.8	33.3	0.003	7.8	2.12
79.2 36.4	0.00	19.4						
803.200	34.9	-367.1	28.7	51.9	34.0	0.006	7.7	2.11
79.2 37.0	0.00	19.1						
803.300	34.9	-367.3	28.7	52.1	33.7	0.006	7.8	2.11
79.2 37.1	0.00	18.7						
803.400	35.1	-367.5	28.5	53.2	34.0	0.003	7.7	2.12
79.2 36.9	0.00	18.2						
803.500	34.9	-367.8	28.7	52.8	34.2	0.000	7.7	2.12
79.2 36.6	0.00	17.9						
803.600	34.6	-368.0	28.9	53.3	33.5	0.000	7.7	2.13
79.2 35.7	0.00	17.5						
803.700	34.6	-368.3	28.9	53.6	31.6	0.005	7.7	2.15
79.2 34.8	0.00	16.6						
803.800	34.8	-368.5	28.8	54.4	31.4	0.005	7.7	2.17
79.2 33.5	0.00	16.2						
803.900	35.0	-368.8	28.6	54.3	29.4	0.009	7.7	2.19
79.2 32.3	0.00	15.8						
804.000	34.4	-369.1	29.1	56.6	29.0	0.010	7.7	2.21
79.2 30.9	0.00	15.5						
804.100	34.2	-369.4	29.2	59.2	28.1	0.006	7.7	2.23
79.2 29.8	0.00	15.1						
804.200	34.1	-369.8	29.3	63.7	27.3	0.003	7.7	2.25
79.2 28.5	0.00	14.4						
804.300	34.7	-370.1	28.8	66.5	26.0	0.002	7.7	2.28
79.2 26.9	0.00	13.8						
804.400	34.9	-370.5	28.6	69.7	24.4	-0.003	7.7	2.31
79.2 25.1	0.00	13.1						
804.500	34.5	-370.9	29.0	72.0	21.8	-0.008	7.7	2.33
79.2 23.4	0.00	12.4						
804.600	33.6	-371.3	29.8	74.4	19.9	-0.004	7.7	2.36
79.2 21.8	0.00	11.8						
804.700	32.6	-371.7	30.6	77.8	20.1	0.000	7.7	2.39
79.2 19.7	0.00	11.2						
804.800	32.6	-372.2	30.7	82.9	17.7	0.008	7.7	2.42
79.2 18.1	0.00	10.4						
804.900	32.6	-372.6	30.6	86.7	16.7	0.012	7.7	2.45
79.2 16.4	0.00	10.0						

805.000	32.2	-373.2	31.1	91.7	16.0	0.012	7.7	2.46
79.2 15.6	0.00	9.6						
805.100	31.4	-373.7	31.9	95.0	16.4	0.009	7.7	2.48
79.2 14.5	0.00	9.0						
805.200	31.1	-374.2	32.2	97.8	17.1	0.012	7.7	2.49
79.2 14.0	0.00	8.7						
805.300	30.7	-374.7	32.6	104.9	16.9	0.015	7.8	2.50
79.2 13.2	0.00	8.1						
805.400	30.0	-375.2	33.4	108.4	17.5	0.019	7.7	2.51
79.2 12.2	0.00	7.4						
805.500	29.3	-375.8	34.1	106.5	18.0	0.026	7.8	2.52
79.2 11.8	0.00	7.0						
805.600	28.7	-376.2	34.9	105.6	18.0	0.025	7.7	2.53
79.2 11.2	0.00	6.7						
805.700	28.2	-376.7	35.5	105.4	18.4	0.025	7.8	2.53
79.2 11.1	0.00	6.5						
805.800	27.7	-377.2	36.1	105.8	20.5	0.024	7.7	2.54
79.2 10.8	0.00	6.2						
805.900	27.7	-377.7	36.1	109.5	21.8	0.020	7.7	2.54
79.2 10.7	0.00	5.9						
806.000	27.6	-378.2	36.3	109.5	22.3	0.016	7.7	2.54
79.2 10.5	0.00	5.8						
806.100	26.7	-378.7	37.5	111.4	22.9	0.011	7.7	2.55
79.2 10.0	0.00	5.6						
806.200	25.7	-379.2	39.0	119.3	23.6	0.012	7.7	2.55
79.2 9.9	0.00	5.4						
806.300	25.1	-379.6	39.9	132.3	23.6	0.014	7.7	2.56
79.2 9.4	0.00	5.4						
806.400	25.9	-380.1	38.7	145.8	24.7	0.016	7.7	2.57
79.2 8.9	0.00	5.2						
806.500	26.0	-380.5	38.6	153.9	24.7	0.012	7.7	2.58
79.2 7.9	0.00	4.9						
806.600	25.4	-380.9	39.6	171.9	24.7	0.011	7.7	2.59
79.2 7.5	0.00	4.7						
806.700	23.8	-381.4	42.1	233.4	22.7	0.008	7.7	2.61
79.2 6.5	0.00	4.6						
806.800	23.6	-381.9	42.5	349.2	22.1	0.007	7.7	2.62
79.2 5.8	0.00	4.5						
806.900	23.5	-382.4	42.6	390.8	22.1	0.012	7.7	2.62
79.2 5.3	0.00	4.3						
807.000	23.1	-382.8	43.3	408.8	20.8	0.016	7.7	2.63
79.2 4.7	0.00	4.2						
807.100	21.8	-383.3	46.1	404.4	19.7	0.015	7.7	2.65
79.2 4.0	0.00	3.9						
807.200	20.7	-383.7	48.4	419.8	18.8	0.017	7.7	2.65
79.3 3.5	0.00	3.8						
807.300	20.2	-384.2	49.6	413.4	16.7	0.019	7.7	2.66
79.2 3.1	0.00	3.7						
807.400	20.6	-384.7	48.6	379.9	15.4	0.018	7.7	2.66
79.2 2.9	0.00	3.6						
807.500	20.3	-385.2	49.3	273.4	15.4	0.015	7.7	2.66
79.2 3.0	0.00	3.6						
807.600	19.9	-385.6	50.3	260.1	14.3	0.013	7.7	2.67
79.2 2.4	0.00	3.4						

807.700	19.0	-386.1	52.7	260.1	12.5	0.020	7.7	2.67
79.2	2.6	0.00	3.4					
807.800	19.7	-386.6	51.0	273.8	13.4	0.018	7.7	2.67
79.2	2.8	0.00	3.2					
807.900	20.3	-387.0	49.4	303.4	13.0	0.016	7.7	2.67
79.2	2.7	0.00	3.2					
808.000	20.7	-387.5	48.5	360.5	13.8	0.015	7.7	2.66
79.2	2.9	0.00	3.2					
808.100	19.9	-387.9	50.2	365.2	12.3	0.013	7.7	2.66
79.2	3.0	0.00	3.2					
808.200	19.1	-388.3	52.5	397.3	12.5	0.009	7.7	2.66
79.2	3.3	0.00	3.3					
808.300	19.5	-388.8	51.3	410.5	12.8	0.007	7.7	2.65
79.2	3.8	0.00	3.3					
808.400	18.9	-389.2	53.1	408.5	11.9	0.011	7.7	2.64
79.2	4.4	0.01	3.3					
808.500	18.8	-389.7	53.6	456.3	12.8	0.010	7.7	2.64
79.2	4.3	0.00	3.4					
808.600	17.6	-390.1	56.7	433.9	12.5	0.013	7.7	2.63
79.2	4.7	0.00	3.5					
808.700	17.6	-390.6	56.7	379.7	12.8	0.018	7.7	2.63
79.2	4.9	0.00	3.5					
808.800	18.0	-391.0	55.7	385.6	11.9	0.022	7.7	2.63
79.3	4.9	0.00	3.6					
808.900	18.1	-391.4	55.3	399.1	13.4	0.027	7.7	2.64
79.2	4.6	0.00	3.6					
809.000	18.0	-391.9	55.7	421.7	13.0	0.024	7.7	2.63
79.2	5.0	0.00	3.6					
809.100	17.4	-392.3	57.5	477.9	14.1	0.026	7.7	2.61
79.2	5.9	0.00	3.6					
809.200	16.9	-392.7	59.1	483.4	14.1	0.030	7.7	2.61
79.2	6.1	0.00	3.7					
809.300	17.0	-393.1	58.8	524.3	14.1	0.030	7.7	2.61
79.2	6.3	0.00	3.7					
809.400	16.9	-393.5	59.1	578.7	14.1	0.028	7.7	2.61
79.3	6.2	0.00	3.8					
809.500	16.9	-393.9	59.3	609.0	13.6	0.030	7.7	2.61
79.2	6.1	0.00	3.7					
809.600	16.2	-394.3	61.7	622.4	14.1	0.029	7.7	2.62
79.2	5.4	0.00	3.7					
809.700	16.1	-394.7	62.2	611.6	13.6	0.034	7.7	2.63
79.2	5.0	0.00	3.7					
809.800	15.9	-395.1	62.9	621.5	13.6	0.035	7.7	2.64
79.3	4.4	0.00	3.6					
809.900	16.2	-395.5	61.7	603.0	13.2	0.033	7.7	2.65
79.2	4.0	0.00	3.6					
810.000	16.5	-395.9	60.6	589.7	13.4	0.028	7.8	2.66
79.3	3.4	0.00	3.5					
810.100	16.4	-396.3	61.3	566.7	13.8	0.028	7.8	2.67
79.2	2.8	0.00	3.5					
810.200	15.9	-396.6	63.2	503.2	14.1	0.023	7.8	2.67
79.2	2.4	0.00	3.4					
810.300	15.2	-397.0	66.0	447.8	16.2	0.022	7.7	2.67
79.2	2.3	0.00	3.5					

810.400	15.1	-397.4	66.3	389.0	15.6	0.022	7.8	2.69
79.2	1.2	0.00	3.5					
810.500	16.1	-397.8	62.5	294.3	15.1	0.028	7.7	2.70
79.2	0.4	0.00	3.5					
810.600	16.2	-398.2	62.2	233.2	14.5	0.031	7.8	2.70
79.2	0.4	0.00	3.4					
810.700	16.2	-398.6	61.9	171.3	15.4	0.032	7.7	2.71
79.2	0.1	0.00	3.4					
810.800	15.6	-399.0	64.1	119.5	14.1	0.029	7.8	2.72
79.3	-0.8	0.00	3.4					
810.900	15.8	-399.3	63.5	107.1	13.2	0.032	7.7	2.73
79.2	-1.0	0.00	3.3					
811.000	15.8	-399.7	63.1	88.4	12.1	0.028	7.8	2.73
79.3	-1.1	0.00	3.3					
811.100	15.8	-400.1	63.1	87.3	12.3	0.028	7.8	2.72
79.2	-0.7	0.00	3.3					
811.200	15.2	-400.5	66.0	97.1	12.5	0.027	7.8	2.72
79.3	-0.9	0.00	3.2					
811.300	15.2	-400.9	66.0	109.9	11.9	0.029	7.7	2.72
79.2	-0.4	0.00	3.2					
811.400	14.6	-401.2	68.7	115.2	12.1	0.025	7.8	2.72
79.3	-0.6	-0.00	3.2					
811.500	15.2	-401.6	65.8	121.1	11.0	0.024	7.7	2.71
79.2	0.1	-0.00	3.2					
811.600	14.8	-402.0	67.6	125.9	11.7	0.022	7.8	2.70
79.3	0.5	0.00	3.2					
811.700	15.3	-402.4	65.4	130.6	11.7	0.021	7.8	2.70
79.3	0.6	0.00	3.3					
811.800	15.1	-402.7	66.4	135.5	11.0	0.014	7.8	2.70
79.2	0.3	0.00	3.2					
811.900	15.3	-403.1	65.5	128.1	10.2	0.014	7.7	2.69
79.3	1.0	0.00	3.2					
812.000	16.0	-403.5	63.0	118.3	10.6	0.018	7.8	2.70
79.3	0.3	0.00	3.3					
812.100	16.0	-403.8	63.0	116.5	11.0	0.024	7.7	2.71
79.2	-0.1	0.00	3.2					
812.200	16.0	-404.2	62.6	118.6	11.2	0.021	7.7	2.72
79.3	-0.4	0.00	3.3					
812.300	14.7	-404.5	68.3	120.8	14.3	0.018	7.8	2.71
79.2	-0.2	0.00	3.3					
812.400	14.8	-404.9	68.0	120.3	15.6	0.022	7.7	2.72
79.2	-0.6	0.00	3.4					
812.500	14.7	-405.3	68.2	115.1	15.4	0.022	7.8	2.72
79.3	-0.8	0.00	3.4					
812.600	15.4	-405.6	64.8	116.4	16.4	0.020	7.8	2.72
79.3	-0.8	0.00	3.5					
812.700	15.1	-406.0	66.2	122.9	16.7	0.020	7.8	2.72
79.2	-0.5	0.00	3.5					
812.800	15.0	-406.4	66.6	126.3	16.4	0.019	7.8	2.72
79.3	-0.9	0.00	3.5					
812.900	14.8	-406.7	67.8	124.1	17.5	0.019	7.8	2.72
79.3	-0.9	0.00	3.5					
813.000	14.9	-407.1	67.0	121.0	18.8	0.019	7.8	2.72
79.3	-0.9	0.00	3.6					

813.100	14.6	-407.5	68.4	118.9	18.2	0.017	7.7	2.73
79.2	-1.4	0.00	3.6					
813.200	14.3	-407.9	70.1	115.5	18.4	0.017	7.8	2.74
79.3	-2.1	0.00	3.6					
813.300	14.1	-408.2	70.9	110.6	18.6	0.020	7.7	2.74
79.3	-1.9	0.00	3.5					
813.400	14.2	-408.6	70.5	101.6	19.5	0.016	7.8	2.73
79.3	-1.5	0.00	3.6					
813.500	14.4	-409.0	69.6	94.5	20.3	0.018	7.8	2.72
79.3	-0.7	0.00	3.6					
813.600	14.5	-409.3	68.9	90.6	19.5	0.020	7.7	2.72
79.3	-0.9	0.00	3.6					
813.700	14.8	-409.7	67.6	90.2	18.0	0.018	7.8	2.72
79.3	-0.8	0.00	3.6					
813.800	15.0	-410.1	66.5	91.8	16.0	0.018	7.7	2.73
79.2	-1.2	0.00	3.5					
813.900	15.0	-410.5	66.9	94.1	15.1	0.023	7.8	2.72
79.2	-0.8	0.00	3.5					
814.000	14.2	-410.9	71.0	97.4	16.4	0.024	7.8	2.72
79.3	-0.6	0.00	3.5					
814.100	14.8	-411.2	68.6	100.3	14.9	0.025	7.7	2.72
79.3	-0.6	0.00	3.4					
814.200	14.9	-411.6	67.9	105.0	14.9	0.025	7.8	2.72
79.3	-0.4	0.00	3.5					
814.300	15.3	-412.0	65.6	106.2	16.0	0.026	7.7	2.72
79.3	-0.7	0.00	3.5					
814.400	14.6	-412.4	68.8	108.1	15.4	0.030	7.8	2.73
79.3	-1.5	0.00	3.5					
814.500	14.6	-412.7	68.8	106.7	14.5	0.036	7.7	2.73
79.3	-1.4	0.00	3.4					
814.600	14.7	-413.1	68.2	111.0	14.3	0.029	7.8	2.73
79.3	-1.2	-0.00	3.4					
814.700	14.9	-413.5	67.1	120.0	13.2	0.027	7.7	2.72
79.3	-0.7	-0.00	3.4					
814.800	15.3	-413.8	65.5	132.2	12.3	0.026	7.8	2.72
79.3	-0.6	-0.00	3.3					
814.900	15.6	-414.2	64.4	133.9	11.9	0.025	7.7	2.72
79.3	-0.8	0.00	3.3					
815.000	15.8	-414.5	63.4	135.4	10.8	0.024	7.8	2.72
79.3	-0.8	0.00	3.3					
815.100	15.4	-414.9	65.1	137.1	11.7	0.024	7.7	2.72
79.3	-0.9	0.00	3.3					
815.200	15.2	-415.2	66.1	147.3	12.5	0.022	7.8	2.73
79.3	-0.9	0.00	3.3					
815.300	14.6	-415.6	68.5	148.5	12.3	0.024	7.7	2.71
79.3	-0.0	0.00	3.3					
815.400	14.6	-415.9	68.4	145.9	12.1	0.021	7.8	2.71
79.3	0.0	0.00	3.3					
815.500	14.9	-416.2	67.3	142.0	10.4	0.020	7.7	2.71
79.3	-0.0	0.00	3.3					
815.600	15.4	-416.6	64.8	144.5	9.5	0.019	7.8	2.71
79.3	-0.2	0.00	3.3					
815.700	15.5	-416.9	64.5	148.6	9.5	0.016	7.7	2.72
79.2	-0.4	0.00	3.2					

815.800	15.5	-417.3	64.5	155.1	8.7	0.011	7.8	2.71
79.3	-0.1	0.00	3.2					
815.900	15.2	-417.6	66.0	156.5	8.4	0.011	7.7	2.70
79.3	0.3	0.00	3.2					
816.000	15.1	-417.9	66.3	156.5	8.2	0.017	7.7	2.70
79.3	0.3	0.00	3.3					
816.100	15.0	-418.2	66.7	147.9	8.4	0.017	7.8	2.71
79.3	-0.1	0.00	3.2					
816.200	15.1	-418.6	66.1	139.7	9.1	0.019	7.7	2.70
79.3	0.4	-0.00	3.2					
816.300	15.1	-418.9	66.1	136.9	9.1	0.017	7.8	2.70
79.3	0.4	-0.00	3.3					
816.400	15.4	-419.2	65.1	129.3	8.9	0.015	7.7	2.71
79.3	0.2	-0.00	3.3					
816.500	15.0	-419.5	66.6	123.4	9.1	0.014	7.8	2.70
79.3	0.4	-0.00	3.3					
816.600	14.9	-419.9	67.1	114.4	8.7	0.013	7.7	2.71
79.3	0.0	-0.00	3.3					
816.700	14.8	-420.2	67.5	110.5	8.7	0.021	7.8	2.72
79.3	-0.5	-0.00	3.2					
816.800	15.0	-420.6	66.7	112.9	7.8	0.027	7.7	2.72
79.3	-0.3	-0.00	3.2					
816.900	15.2	-420.9	65.8	114.5	7.6	0.025	7.7	2.71
79.3	-0.1	-0.00	3.2					
817.000	14.8	-421.3	67.6	114.8	8.2	0.023	7.8	2.72
79.3	-0.3	-0.00	3.2					
817.100	14.8	-421.6	67.5	117.2	9.1	0.023	7.7	2.71
79.3	-0.0	-0.00	3.2					
817.200	14.8	-421.9	67.5	118.7	9.7	0.023	7.8	2.71
79.3	0.1	-0.00	3.2					
817.300	14.3	-422.3	70.6	121.4	9.3	0.018	7.7	2.70
79.3	0.5	-0.00	3.2					
817.400	13.6	-422.6	74.2	127.0	8.7	0.017	7.8	2.70
79.3	0.9	-0.00	3.2					
817.500	13.1	-422.9	76.4	126.1	9.3	0.015	7.7	2.70
79.3	0.8	-0.00	3.2					
817.600	13.5	-423.2	74.1	129.3	9.5	0.017	7.8	2.69
79.3	1.0	0.00	3.2					
817.700	13.8	-423.5	72.7	126.2	8.9	0.021	7.7	2.70
79.3	0.4	0.00	3.2					
817.800	13.9	-423.8	72.1	127.8	8.9	0.020	7.8	2.70
79.2	0.4	0.00	3.2					
817.900	13.6	-424.1	73.9	125.6	9.5	0.020	7.7	2.70
79.2	0.9	0.00	3.2					
818.000	13.1	-424.3	76.8	121.8	10.4	0.016	7.7	2.69
79.3	1.1	0.00	3.2					
818.100	12.5	-424.6	79.9	117.6	10.4	0.011	7.8	2.68
79.3	2.1	0.00	3.2					
818.200	12.8	-424.9	78.5	120.2	10.8	0.012	7.7	2.67
79.3	2.7	0.00	3.2					
818.300	13.4	-425.1	75.0	122.5	11.7	0.014	7.8	2.68
79.3	2.1	0.00	3.3					
818.400	13.4	-425.4	74.7	123.9	11.9	0.013	7.7	2.68
79.3	1.9	0.00	3.3					

818.500	13.4	-425.7	74.7	122.8	13.4	0.015	7.8	2.68
79.3	1.8	0.00	3.4					
818.600	13.2	-425.9	75.8	120.6	14.9	0.017	7.7	2.69
79.2	1.4	0.00	3.4					
818.700	13.8	-426.2	72.4	122.9	15.1	0.020	7.8	2.68
79.3	1.6	0.00	3.4					
818.800	13.8	-426.5	72.4	118.4	16.2	0.020	7.7	2.69
79.3	1.4	0.00	3.5					
818.900	14.2	-426.8	70.3	114.9	19.0	0.019	7.8	2.69
79.3	0.9	0.00	3.4					
819.000	14.0	-427.1	71.5	106.3	18.8	0.020	7.7	2.69
79.3	1.1	0.00	3.5					
819.100	14.2	-427.3	70.4	103.0	19.0	0.019	7.8	2.69
79.3	0.9	0.00	3.5					
819.200	14.1	-427.6	70.8	99.4	20.1	0.024	7.7	2.70
79.3	0.7	0.00	3.6					
819.300	14.7	-427.9	68.3	95.6	21.4	0.025	7.8	2.70
79.3	0.6	0.00	3.7					
819.400	15.6	-428.2	64.4	87.9	21.6	0.025	7.7	2.70
79.3	0.7	0.00	3.7					
819.500	16.7	-428.5	59.9	86.4	20.3	0.024	7.8	2.69
79.3	0.9	0.00	3.9					
819.600	17.8	-428.8	56.4	82.7	20.1	0.023	7.7	2.71
79.3	0.3	0.00	3.9					
819.700	18.2	-429.1	54.8	78.9	19.2	0.024	7.8	2.70
79.3	0.7	0.00	4.1					
819.800	19.1	-429.4	52.4	77.8	19.0	0.023	7.7	2.69
79.3	0.9	0.00	4.1					
819.900	20.0	-429.7	50.2	75.1	21.8	0.020	7.8	2.69
79.3	1.1	0.00	4.3					
820.000	21.3	-430.0	46.9	72.1	21.0	0.017	7.7	2.69
79.3	1.1	0.00	4.5					
820.100	22.5	-430.4	44.6	68.4	21.2	0.020	7.8	2.70
79.3	0.7	0.00	4.6					
820.200	23.9	-430.7	41.9	63.4	21.6	0.025	7.8	2.70
79.3	0.3	0.00	4.7					
820.300	25.1	-431.0	40.0	57.6	22.7	0.024	7.8	2.71
79.3	-0.0	0.00	4.8					
820.400	25.6	-431.4	39.0	53.6	21.2	0.028	7.7	2.71
79.3	-0.2	0.00	5.1					
820.500	26.1	-431.7	38.4	48.3	22.7	0.029	7.8	2.73
79.3	-0.9	0.00	5.5					
820.600	26.8	-432.1	37.4	44.7	23.4	0.034	7.7	2.72
79.3	-0.6	0.00	5.9					
820.700	27.6	-432.5	36.3	42.1	23.6	0.037	7.8	2.71
79.3	-0.3	0.00	6.1					
820.800	28.2	-432.8	35.5	41.2	24.4	0.041	7.8	2.71
79.3	-0.2	0.00	6.4					
820.900	27.9	-433.1	35.9	40.5	25.5	0.043	7.8	2.71
79.3	-0.1	0.00	6.7					
821.000	27.8	-433.2	36.0	39.8	27.0	0.041	7.7	2.71
79.3	-0.2	0.00	7.0					
821.100	28.8	-433.3	35.0	39.6	30.3	0.041	7.7	2.70
79.3	0.6	0.00	7.4					

821.200	29.8	-433.2	33.6	39.1	32.4	0.041	7.8	2.70
79.3	0.8	0.00	7.5					
821.300	30.5	-433.0	32.8	38.5	33.1	0.039	7.8	2.69
79.3	1.1	0.00	7.6					
821.400	29.8	-432.6	33.5	38.6	31.8	0.034	7.8	2.69
79.3	1.2	0.00	7.8					
821.500	29.3	-432.2	34.1	38.9	34.4	0.030	7.8	2.68
79.3	2.1	0.00	7.9					
821.600	28.9	-431.7	34.6	40.4	34.0	0.027	7.8	2.66
79.3	2.9	0.00	8.0					
821.700	28.4	-431.0	35.2	42.0	35.3	0.026	7.8	2.66
79.3	3.1	0.00	8.2					
821.800	28.3	-430.3	35.4	42.9	35.3	0.021	7.8	2.65
79.3	3.9	0.00	8.3					
821.900	27.7	-429.6	36.1	44.3	35.9	0.013	7.8	2.64
79.3	4.5	0.00	8.2					
822.000	27.3	-428.9	36.6	45.6	35.5	0.013	7.7	2.63
79.3	5.1	0.00	8.0					
822.100	26.9	-428.2	37.2	46.4	38.3	0.014	7.8	2.61
79.3	6.0	-0.00	7.8					
822.200	26.4	-427.6	37.9	48.0	38.9	0.009	7.7	2.61
79.3	6.2	-0.00	7.7					
822.300	26.2	-427.0	38.2	49.6	36.8	0.012	7.7	2.61
79.3	6.1	-0.00	7.5					
822.400	26.7	-426.5	37.5	50.7	36.1	0.014	7.8	2.61
79.3	6.0	-0.00	7.3					
822.500	27.3	-426.1	36.6	52.2	36.3	0.014	7.4	2.61
79.3	6.3	-0.00	7.0					
822.600	27.2	-425.7	36.8	52.5	35.0	0.017	7.8	2.61
79.3	6.3	0.00	6.7					
822.700	26.3	-425.3	38.1	52.9	34.4	0.020	7.8	2.61
79.3	6.0	0.00	6.5					
822.800	26.2	-425.0	38.1	53.0	35.7	0.024	7.8	2.61
79.3	6.1	0.00	6.4					
822.900	26.6	-424.6	37.7	52.8	34.8	0.025	7.8	2.62
79.3	5.6	0.00	6.2					
823.000	27.2	-424.3	36.7	51.7	33.5	0.028	7.7	2.63
79.3	4.9	0.00	6.1					
823.100	27.4	-423.9	36.5	52.2	33.1	0.029	7.8	2.63
79.3	5.0	0.00	6.0					
823.200	26.7	-423.5	37.5	53.4	31.8	0.027	7.7	2.63
79.3	4.8	0.00	5.9					
823.300	26.5	-423.1	37.8	55.0	31.8	0.024	7.7	2.63
79.3	4.7	0.00	5.7					
823.400	26.0	-422.6	38.5	57.1	32.2	0.020	7.7	2.63
79.3	5.1	0.00	5.5					
823.500	26.3	-422.2	38.1	59.9	31.1	0.022	7.7	2.63
79.3	5.1	-0.00	5.6					
823.600	26.3	-421.8	38.1	62.0	27.7	0.024	7.7	2.64
79.3	4.2	0.00	5.4					
823.700	26.3	-421.4	38.1	65.7	27.5	0.027	7.7	2.65
79.3	3.8	0.00	5.4					
823.800	25.7	-421.0	39.0	70.9	27.9	0.029	7.7	2.65
79.3	3.9	0.00	5.2					

823.900	24.7	-420.6	40.5	74.2	27.3	0.027	7.8	2.65
79.3	3.5	0.00	5.1					
824.000	23.9	-420.2	41.8	79.3	28.5	0.024	7.7	2.66
79.3	3.0	0.00	5.0					
824.100	23.7	-419.8	42.2	83.3	27.0	0.021	7.8	2.66
79.3	2.9	0.00	4.9					
824.200	23.0	-419.3	43.5	87.7	26.4	0.019	7.7	2.66
79.3	2.8	0.00	4.9					
824.300	22.4	-418.9	44.7	89.9	24.2	0.015	7.8	2.67
79.3	2.2	0.00	4.8					
824.400	21.1	-418.5	47.5	90.6	25.1	0.016	7.7	2.67
79.3	2.3	-0.00	4.7					
824.500	21.1	-418.1	47.4	90.6	24.9	0.019	7.8	2.68
79.3	1.9	0.00	4.5					
824.600	20.5	-417.7	48.9	92.0	24.4	0.021	7.8	2.68
79.3	1.8	0.00	4.4					
824.700	20.5	-417.2	48.8	91.3	24.2	0.022	7.8	2.68
79.3	2.2	0.00	4.2					
824.800	19.8	-416.8	50.5	90.0	22.9	0.020	7.7	2.69
79.3	1.4	0.00	4.2					
824.900	19.9	-416.3	50.3	90.8	22.1	0.019	7.8	2.69
79.3	1.1	0.00	4.1					
825.000	19.5	-415.8	51.2	97.4	22.3	0.016	7.8	2.70
79.3	0.9	0.00	3.9					
825.100	19.3	-415.3	51.9	103.0	22.1	0.015	7.8	2.69
79.3	1.2	0.00	3.8					
825.200	18.6	-414.8	53.6	102.3	22.1	0.016	7.7	2.68
79.3	1.6	0.00	3.8					
825.300	18.4	-414.3	54.4	101.9	23.4	0.016	7.8	2.68
79.3	1.7	0.00	3.8					
825.400	18.3	-413.8	54.6	101.2	23.8	0.014	7.7	2.68
79.3	1.7	0.00	3.7					
825.500	18.3	-413.3	54.7	100.8	21.4	0.014	7.8	2.69
79.3	1.5	0.00	3.7					
825.600	17.9	-412.9	56.0	103.5	22.9	0.014	7.8	2.69
79.3	1.0	-0.00	3.7					
825.700	17.6	-412.4	56.7	101.9	22.9	0.012	7.8	2.70
79.3	0.8	-0.00	3.7					
825.800	17.2	-411.9	58.2	96.6	24.2	0.012	7.7	2.70
79.3	0.8	0.00	3.7					
825.900	17.1	-411.4	58.5	94.8	23.8	0.013	7.8	2.71
79.3	0.2	0.00	3.7					
826.000	16.9	-410.9	59.3	91.6	21.8	0.023	7.8	2.70
79.3	0.4	0.00	3.8					
826.100	16.9	-410.5	59.3	88.8	23.6	0.029	7.8	2.71
79.3	-0.2	-0.00	3.8					
826.200	17.0	-410.0	58.7	87.5	22.5	0.030	7.8	2.72
79.3	-0.6	0.00	3.9					
826.300	16.5	-409.5	60.8	80.4	22.3	0.029	7.8	2.71
79.3	-0.1	0.00	4.0					
826.400	16.0	-409.0	62.7	75.6	22.3	0.029	7.8	2.71
79.3	-0.1	0.00	4.0					
826.500	15.9	-408.5	63.1	79.7	23.1	0.030	7.8	2.71
79.3	-0.2	0.00	4.1					

826.600	16.4	-408.0	61.0	80.8	25.1	0.036	7.8	2.72
79.3	-0.5	0.00	4.1					
826.700	16.7	-407.5	60.0	84.8	24.4	0.036	7.8	2.72
79.3	-0.9	-0.00	4.1					
826.800	16.1	-407.0	62.4	89.9	22.7	0.038	7.8	2.73
79.3	-1.5	-0.00	4.1					
826.900	15.1	-406.5	66.2	93.9	21.8	0.039	7.8	2.75
79.3	-2.4	0.00	4.2					
827.000	14.8	-406.0	67.8	98.8	22.1	0.041	7.8	2.75
79.3	-2.3	0.00	4.2					
827.100	15.0	-405.5	66.7	102.0	20.8	0.039	7.8	2.73
79.3	-1.5	-0.00	4.2					
827.200	15.3	-405.0	65.3	101.0	20.8	0.032	7.8	2.72
79.3	-0.8	-0.00	4.2					
827.300	15.5	-404.5	64.4	103.1	20.1	0.022	7.8	2.72
79.3	-0.6	-0.00	4.3					
827.400	15.0	-404.0	66.6	100.8	21.0	0.021	7.8	2.71
79.3	-0.1	-0.00	4.3					
827.500	15.1	-403.5	66.3	98.9	21.4	0.020	7.8	2.70
79.3	0.7	-0.00	4.3					
827.600	14.8	-403.0	67.7	96.3	19.7	0.021	7.8	2.69
79.3	1.2	-0.00	4.3					
827.700	15.1	-402.5	66.2	94.4	20.8	0.026	7.8	2.69
79.3	1.0	-0.00	4.3					
827.800	14.2	-402.0	70.5	93.5	21.8	0.031	7.7	2.69
79.3	1.1	-0.00	4.4					
827.900	14.5	-401.5	69.2	92.6	21.8	0.026	7.7	2.69
79.3	1.3	-0.00	4.3					
828.000	13.6	-401.0	73.9	95.7	20.5	0.028	7.7	2.68
79.3	1.7	-0.00	4.3					
828.100	13.8	-400.5	72.9	97.6	19.0	0.026	7.7	2.68
79.3	2.0	-0.00	4.3					
828.200	13.6	-400.0	73.6	101.7	18.8	0.022	7.7	2.67
79.3	2.3	-0.00	4.3					
828.300	13.8	-399.5	72.7	123.1	19.2	0.020	7.7	2.67
79.3	2.7	-0.00	4.2					
828.400	14.3	-399.0	70.1	135.0	20.5	0.023	7.7	2.66
79.3	3.4	-0.00	4.2					
828.500	14.3	-398.6	70.3	145.2	20.8	0.028	7.8	2.66
79.3	3.4	-0.00	4.2					
828.600	14.6	-398.1	68.6	158.2	20.3	0.029	7.8	2.67
79.3	2.5	-0.00	4.2					
828.700	14.4	-397.6	69.7	173.8	19.9	0.030	7.8	2.68
79.3	1.9	-0.00	4.2					
828.800	14.0	-397.2	71.2	232.9	20.1	0.027	7.8	2.68
79.3	2.0	-0.00	4.1					
828.900	14.0	-396.7	71.2	257.5	19.5	0.026	7.8	2.67
79.3	2.2	-0.00	4.1					
829.000	13.7	-396.2	73.1	270.0	21.2	0.021	7.8	2.69
79.3	1.4	-0.00	4.0					
829.100	13.8	-395.7	72.3	286.3	21.4	0.020	7.8	2.69
79.2	1.2	-0.00	4.0					
829.200	13.7	-395.3	72.9	286.3	22.1	0.021	7.8	2.68
79.3	1.6	-0.00	3.9					

829.300	13.4	-394.8	74.9	279.4	21.2	0.018	7.8	2.69
79.3	1.5	0.00	3.8					
829.400	13.8	-394.3	73.2	265.9	21.2	0.020	7.7	2.69
79.3	1.1	0.00	3.8					
829.500	14.4	-393.8	70.4	214.2	21.8	0.021	7.8	2.70
79.3	0.8	0.00	3.8					
829.600	15.4	-393.4	64.9	192.3	21.6	0.019	7.8	2.70
79.3	0.3	0.00	3.8					
829.700	15.1	-392.9	66.2	168.2	23.4	0.017	7.8	2.72
79.3	-0.3	0.00	3.9					
829.800	15.1	-392.4	66.2	152.5	25.1	0.017	7.8	2.71
79.3	0.0	-0.00	3.9					
829.900	15.4	-391.9	65.2	145.1	26.2	0.017	7.8	2.70
79.3	0.3	-0.00	4.0					
830.000	15.7	-391.4	63.8	148.1	26.8	0.016	7.8	2.71
79.3	-0.2	-0.00	3.9					
830.100	15.0	-390.9	66.9	144.5	29.4	0.023	7.8	2.71
79.2	-0.2	-0.00	3.9					
830.200	15.0	-390.4	66.9	135.7	29.6	0.028	7.8	2.71
79.3	0.0	-0.00	3.9					
830.300	13.9	-390.0	72.9	133.5	29.2	0.030	7.8	2.71
79.3	0.2	-0.00	4.0					
830.400	13.7	-389.5	74.0	131.8	29.8	0.027	7.8	2.70
79.3	0.6	-0.00	4.1					
830.500	13.6	-389.0	74.6	120.7	30.9	0.027	7.8	2.69
79.3	1.3	-0.00	4.2					
830.600	15.2	-388.4	66.5	116.5	30.7	0.029	7.8	2.68
79.3	1.6	-0.00	4.4					
830.700	16.5	-387.9	60.8	105.3	30.5	0.031	7.8	2.68
79.3	2.1	-0.00	4.5					
830.800	16.2	-387.4	61.8	101.4	31.4	0.029	7.8	2.69
79.3	1.3	-0.00	4.6					
830.900	15.8	-386.9	63.4	102.7	31.6	0.034	7.8	2.68
79.3	2.1	-0.00	4.8					
831.000	15.8	-386.4	63.4	97.4	33.5	0.032	7.7	2.67
79.3	2.3	-0.00	4.9					
831.100	16.4	-385.9	61.2	91.0	35.7	0.029	7.8	2.66
79.3	2.9	-0.00	5.1					
831.200	16.1	-385.4	62.3	88.1	37.2	0.032	7.8	2.65
79.3	4.0	-0.00	5.2					
831.300	16.7	-384.9	60.3	86.9	38.5	0.030	7.8	2.65
79.3	4.0	-0.00	5.3					
831.400	16.8	-384.4	59.8	85.6	37.6	0.026	7.8	2.65
79.3	4.0	-0.00	5.4					
831.500	17.6	-383.9	57.0	81.9	38.1	0.026	7.8	2.64
79.2	4.5	-0.00	5.6					
831.600	16.7	-383.4	59.9	75.3	37.4	0.029	7.8	2.62
79.2	5.3	-0.00	5.8					
831.700	17.0	-382.9	58.9	70.3	39.4	0.027	7.8	2.62
79.2	5.8	-0.00	5.9					
831.800	17.2	-382.4	58.4	64.8	39.8	0.025	7.8	2.61
79.3	6.1	-0.00	6.0					
831.900	17.6	-381.9	56.7	61.0	39.8	0.023	7.8	2.61
79.3	6.5	-0.00	6.2					

832.000	17.2	-381.4	58.3	57.0	39.6	0.021	7.8	2.61
79.3	6.5	-0.00	6.3					
832.100	17.0	-380.9	59.0	54.1	40.9	0.025	7.7	2.60
79.3	6.8	0.00	6.3					
832.200	17.2	-380.5	58.1	53.0	40.9	0.024	7.8	2.60
79.3	7.1	-0.00	6.5					
832.300	18.0	-380.0	55.7	54.1	40.9	0.026	7.7	2.59
79.2	7.7	-0.00	6.5					
832.400	18.8	-379.6	53.3	58.4	40.9	0.033	7.8	2.58
79.3	8.2	-0.00	6.7					
832.500	18.9	-379.1	53.1	62.7	38.3	0.030	7.8	2.57
79.3	8.9	-0.00	6.8					
832.600	18.9	-378.7	53.1	68.9	37.2	0.028	7.8	2.56
79.3	9.5	-0.00	7.0					
832.700	18.8	-378.3	53.2	79.2	35.3	0.026	7.8	2.55
79.2	9.9	0.00	7.2					
832.800	18.8	-377.9	53.2	90.0	32.0	0.020	7.8	2.54
79.2	10.7	-0.00	7.6					
832.900	18.9	-377.6	52.8	100.8	31.4	0.016	7.7	2.52
79.3	11.7	0.00	7.7					
833.000	18.9	-377.2	53.1	108.9	29.8	0.017	7.8	2.50
79.3	12.9	-0.00	8.1					
833.100	18.9	-376.9	52.9	113.6	27.9	0.019	7.7	2.50
79.2	13.3	-0.00	8.4					
833.200	19.3	-376.5	52.0	116.5	25.7	0.022	7.8	2.48
79.3	14.0	-0.00	8.6					
833.300	19.5	-376.2	51.3	117.4	25.7	0.020	7.8	2.48
79.3	14.3	-0.00	8.9					
833.400	19.8	-375.9	50.6	113.7	25.1	0.021	7.8	2.47
79.2	15.1	-0.00	9.4					
833.500	19.9	-375.6	50.4	110.1	22.9	0.017	7.7	2.46
79.2	15.8	-0.00	9.8					
833.600	20.3	-375.3	49.2	111.2	20.8	0.020	7.8	2.45
79.3	16.4	-0.00	10.0					
833.700	20.7	-375.0	48.2	114.5	18.8	0.012	7.7	2.44
79.2	16.7	-0.00	10.4					
833.800	21.0	-374.7	47.7	117.4	17.3	0.011	7.8	2.43
79.3	17.7	-0.00	10.6					
833.900	20.7	-374.4	48.2	120.7	17.1	0.012	7.7	2.42
79.2	18.0	-0.00	10.7					
834.000	21.1	-374.2	47.3	131.4	17.3	0.009	7.8	2.41
79.3	18.4	-0.00	11.1					
834.100	20.9	-373.9	47.9	143.0	17.1	0.008	7.8	2.40
79.2	19.1	-0.00	11.2					
834.200	21.2	-373.6	47.2	166.0	15.8	0.005	7.8	2.40
79.3	19.2	-0.00	11.6					
834.300	20.8	-373.4	48.1	165.2	16.0	0.005	7.8	2.40
79.2	19.2	-0.00	11.7					
834.400	20.8	-373.2	48.1	162.5	15.1	0.008	7.8	2.40
79.3	19.3	-0.00	11.9					
834.500	20.4	-372.9	49.1	158.5	15.8	0.006	7.8	2.40
79.2	19.4	-0.00	11.8					
834.600	20.1	-372.7	49.8	153.2	16.2	0.008	7.8	2.39
79.3	19.9	-0.00	11.9					

834.700	20.1	-372.5	49.8	139.5	15.4	0.006	7.8	2.39
79.2 19.8	-0.00	12.1						
834.800	20.4	-372.3	49.1	127.5	14.7	0.010	7.8	2.38
79.2 20.5	-0.00	12.2						
834.900	20.5	-372.1	48.9	106.1	13.6	0.009	7.7	2.38
79.2 20.2	-0.00	12.1						
835.000	20.9	-371.9	48.0	100.5	14.7	0.011	7.8	2.38
79.2 20.4	-0.00	11.9						
835.100	21.1	-371.7	47.4	94.7	14.3	0.014	7.7	2.38
79.2 20.8	-0.00	12.1						
835.200	22.1	-371.5	45.3	89.2	14.1	0.015	7.8	2.37
79.2 21.0	-0.00	12.0						
835.300	22.7	-371.4	44.1	86.5	14.3	0.017	7.7	2.37
79.2 20.9	-0.00	12.1						
835.400	22.9	-371.2	43.7	83.6	15.8	0.021	7.8	2.38
79.2 20.8	-0.00	12.1						
835.500	22.4	-371.0	44.7	80.0	15.6	0.026	7.8	2.39
79.3 20.1	-0.00	12.0						
835.600	22.4	-370.9	44.6	71.9	14.9	0.030	7.8	2.40
79.2 19.4	0.00	11.7						
835.700	22.9	-370.7	43.7	67.4	17.1	0.030	7.8	2.40
79.2 19.1	-0.00	11.6						
835.800	23.7	-370.6	42.2	65.6	17.3	0.034	7.9	2.41
79.2 18.7	-0.00	11.3						
835.900	23.9	-370.4	41.9	65.2	18.2	0.037	7.9	2.41
79.3 18.9	0.00	11.1						
836.000	23.5	-370.3	42.5	63.5	18.4	0.033	7.9	2.41
79.2 18.7	-0.00	11.0						
836.100	22.8	-370.2	43.8	61.7	19.2	0.029	7.8	2.42
79.2 18.0	-0.00	10.7						
836.200	22.4	-370.1	44.6	58.5	22.5	0.029	7.8	2.43
79.2 17.4	0.00	10.6						
836.300	23.2	-370.0	43.3	56.8	21.8	0.029	7.8	2.45
79.2 16.2	-0.00	10.5						
836.400	24.2	-369.9	41.4	54.9	23.6	0.033	7.8	2.46
79.2 15.8	-0.00	10.2						
836.500	24.6	-369.8	40.7	52.1	21.6	0.033	7.8	2.46
79.2 15.5	-0.00	10.1						
836.600	24.1	-369.7	41.6	48.8	24.4	0.033	7.8	2.47
79.2 15.1	-0.00	9.9						
836.700	24.4	-369.6	41.1	47.0	26.4	0.030	7.8	2.47
79.2 14.7	-0.00	9.7						
836.800	24.9	-369.6	40.3	46.2	27.3	0.026	7.8	2.47
79.2 14.8	-0.00	9.7						
836.900	25.5	-369.5	39.2	48.1	27.0	0.021	7.8	2.47
79.3 14.9	-0.00	9.6						
837.000	25.7	-369.4	38.9	49.9	27.9	0.018	7.8	2.46
79.2 15.3	-0.01	9.6						
837.100	26.4	-369.3	38.0	49.6	28.5	0.013	7.8	2.45
79.3 15.9	-0.01	10.0						
837.200	26.8	-369.2	37.4	49.8	28.1	0.010	7.8	2.45
79.2 16.4	-0.01	10.2						
837.300	27.6	-369.1	36.3	50.4	29.6	0.013	7.7	2.44
79.3 17.0	-0.01	10.7						

837.400	28.1	-369.0	35.7	50.3	29.6	0.017	7.8	2.44	
79.2	17.1	-0.01	11.1						
837.500	28.9	-369.0	34.6	49.4	30.3	0.018	7.8	2.43	
79.3	17.6	-0.01	11.5						
837.600	28.9	-368.9	34.6	46.1	29.8	0.016	7.8	2.41	
79.2	18.4	-0.01	12.0						
837.700	29.7	-368.8	33.7	43.3	27.5	0.010	7.7	2.40	
79.2	19.2	-0.01	12.3						
837.800	29.8	-368.7	33.6	43.4	28.8	0.012	7.7	2.38	
79.2	20.3	-0.01	12.6						
837.900	30.9	-368.6	32.4	43.3	27.5	0.011	7.7	2.37	
79.2	21.0	-0.00	13.2						
838.000	31.2	-368.6	32.1	44.3	28.3	0.011	7.7	2.36	
79.2	21.9	-0.00	13.7						
838.100	32.4	-368.5	30.9	45.5	26.8	0.010	7.7	2.35	
79.2	22.4	-0.00	13.9						
838.200	32.8	-368.4	30.5	46.4	26.2	0.011	7.7	2.35	
79.2	22.3	-0.00	14.2						
838.300	32.8	-368.4	30.5	47.0	26.2	0.017	7.7	2.35	
79.2	22.1	-0.00	14.4						
838.400	32.1	-368.3	31.1	47.4	24.4	0.020	7.7	2.36	
79.2	22.0	-0.00	14.8						
838.500	32.2	-368.3	31.0	47.0	23.1	0.023	7.7	2.35	
79.2	22.1	0.00	15.1						
838.600	33.6	-334.8	29.9	46.9	22.5	0.023	7.7	2.36	
79.2	21.8	0.00	15.2						
838.700	33.8	-301.3	29.6	46.0	22.1	0.022	7.7	2.36	
79.2	21.5	0.00	15.0						
838.800	33.8	-267.8	29.6	44.7	20.8	0.021	7.7	2.36	
79.2	21.7	0.00	15.1						
838.900	33.0	-234.3	30.3	45.5	20.3	0.021	7.7	2.36	
79.2	21.8	0.00	15.1						
839.000	33.4	-200.8	29.9	45.5	19.7	0.018	7.7	2.37	
79.2	21.4	0.00	15.0						
839.100	33.8	-167.4	29.6	45.5	18.8	0.015	7.7	2.38	
79.2	20.6	0.00	14.9						
839.200	33.8	-133.9	29.6	46.6	19.7	0.018	7.7	2.38	
79.2	20.3	0.00	14.7						
839.300	33.9	-100.4	29.5	46.7	20.1	0.017	7.7	2.39	
79.2	19.8	-0.00	14.3						
839.400	34.1	-66.9	29.3	46.0	20.5	0.019	7.8	2.40	79.2
19.2	-0.00	13.8							
839.500	34.2	-33.5	29.2	45.6	21.4	0.019	7.8	2.41	79.2
18.4	-0.00	13.6							
839.600	34.0	0.0	29.4	43.8	21.6	0.015	7.9	2.42	79.2
18.3	-0.00	13.5							
839.700	33.4	0.0	29.9	44.1	21.4	0.011	7.9	2.41	79.2
18.7	-0.00	13.0							
839.800	32.9	0.0	30.4	45.1	21.2	0.006	7.8	2.41	79.2
18.9	-0.00	12.7							
839.900	32.7	0.0	30.6	45.8	23.4	0.004	7.8	2.40	79.2
19.0	-0.00	12.1							
840.000	32.9	0.0	30.4	45.5	26.6	0.003	7.8	2.41	79.2
18.5	-0.00	11.6							

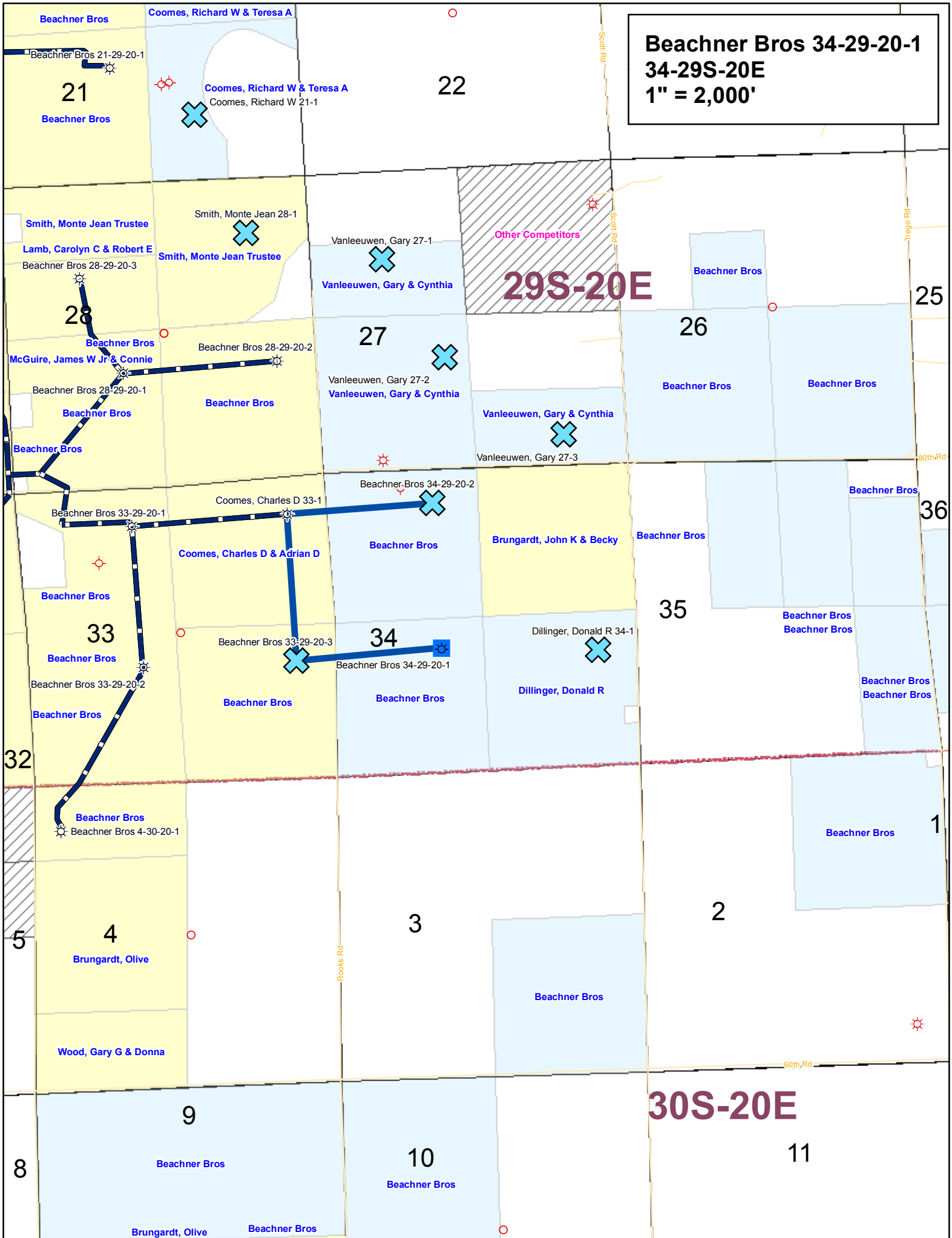
840.100	33.4	0.0	29.9	44.8	26.0	0.006	7.8	2.41	79.2
18.6	-0.00	11.1							
840.200	33.5	0.0	29.8	44.3	27.3	0.005	7.8	2.41	79.2
18.4	-0.00	10.7							
840.300	33.6	0.0	29.8	44.9	28.1	0.007	7.8	2.42	79.2
17.7	-0.00	10.2							
840.400	33.7	0.0	29.7	45.2	27.9	0.008	7.8	2.43	79.2
17.1	-0.00	9.5							
840.500	34.0	0.0	29.4	45.6	28.1	0.006	7.8	2.44	79.2
16.8	-0.00	9.1							
840.600	33.7	0.0	29.7	47.0	29.4	0.008	7.7	2.44	79.2
16.6	-0.00	8.6							
840.700	33.1	0.0	30.2	49.6	31.6	0.008	7.8	2.44	79.2
16.6	-0.00	8.5							
840.800	33.3	0.0	30.1	52.8	31.8	0.004	7.7	2.45	79.2
16.4	-0.00	8.3							
840.900	33.0	0.0	30.4	55.1	32.7	0.003	7.8	2.44	79.2
16.6	-0.00	8.0							
841.000	33.4	0.0	30.0	57.1	32.4	0.006	7.7	2.44	79.2
16.9	-0.01	7.6							
841.100	32.6	0.0	30.6	58.1	31.8	0.007	7.8	2.45	79.2
16.4	-0.01	7.4							
841.200	32.2	0.0	31.0	59.6	31.1	0.011	7.8	2.45	79.2
16.3	-0.00	7.2							
841.300	31.4	0.0	31.8	60.1	30.1	0.011	7.8	2.45	79.2
16.4	-0.00	7.0							
841.400	30.5	0.0	32.8	60.2	26.8	0.008	7.7	2.44	79.2
16.5	-0.00	6.8							
841.500	30.3	0.0	33.0	62.1	24.4	0.010	7.8	2.44	79.2
16.9	-0.00	6.7							
841.600	30.0	0.0	33.3	64.0	23.8	0.010	7.7	2.44	79.2
16.5	-0.00	6.8							
841.700	29.9	0.0	33.5	64.5	21.6	0.014	7.8	2.44	79.2
16.6	-0.00	6.8							
841.800	29.1	0.0	34.4	65.5	20.1	0.014	7.7	2.44	79.2
17.1	-0.00	6.7							
841.900	28.1	0.0	35.6	66.6	20.3	0.013	7.7	2.43	79.2
17.4	-0.00	6.8							
842.000	27.2	0.0	36.8	68.7	19.0	0.013	7.7	2.43	79.2
17.4	-0.00	6.8							
842.100	26.2	0.0	38.3	70.7	17.7	0.016	7.7	2.43	79.2
17.7	-0.00	6.6							
842.200	25.4	0.0	39.4	73.9	15.4	0.014	7.7	2.43	79.2
17.5	-0.00	6.5							
842.300	24.9	0.0	40.1	77.4	15.1	0.018	7.7	2.42	79.2
17.9	-0.00	6.5							
842.400	25.1	0.0	39.9	84.2	13.6	0.016	7.7	2.42	79.2
17.9	-0.00	6.4							
842.500	25.0	0.0	40.0	94.1	13.8	0.012	7.7	2.43	79.2
17.6	-0.00	6.5							
842.600	24.5	0.0	40.8	122.0	15.1	0.011	7.7	2.43	79.2
17.4	-0.00	6.5							
842.700	23.8	0.0	42.1	136.3	14.5	0.012	7.7	2.44	79.2
16.9	-0.00	6.5							

848.200	28.3	0.0	35.4	51.4	0.0	0.019	7.7	2.47	79.2
15.0	-0.01	8.9							
848.300	29.1	0.0	34.4	50.0	0.0	0.023	7.7	2.47	79.2
15.1	-0.01	8.8							
848.400	28.5	0.0	35.1	48.2	0.0	0.026	7.7	2.48	79.2
14.5	-0.01	8.6							
848.500	28.4	0.0	35.3	46.5	0.0	0.026	7.8	2.48	79.2
14.1	-0.01	8.6							
848.600	28.4	0.0	35.2	46.4	0.0	0.023	7.8	2.48	79.2
14.4	-0.01	8.8							
848.700	29.2	0.0	34.3	45.5	0.0	0.020	7.8	2.48	79.2
14.0	-3.15	8.9							
848.800	29.6	0.0	33.8	44.3	0.0	0.023	7.8	2.48	79.2
14.1	-6.30	9.0							
848.900	30.6	0.0	32.8	43.1	0.0	0.020	7.9	2.48	79.2
14.1	-9.44	9.2							
849.000	31.0	0.0	32.3	42.2	0.0	0.020	7.8	2.48	79.2
14.4	-12.59	9.4							
849.100	31.1	0.0	32.2	41.3	0.0	0.022	7.8	2.48	79.2
14.4	-15.73	9.6							
849.200	30.7	0.0	32.6	40.6	0.0	0.019	7.8	2.48	79.2
14.1	-18.87	9.6							
849.300	31.0	0.0	32.2	39.0	0.0	0.014	7.8	2.47	79.2
15.1	-22.02	9.8							
849.400	31.3	0.0	31.9	37.3	0.0	0.012	7.8	2.45	79.2
15.9	-25.16	10.3							
849.500	20.9	0.0	21.2	35.9	0.0	0.014	7.8	2.44	79.2
16.5	-28.31	10.9							
849.600	10.4	0.0	10.7	34.7	0.0	0.013	7.8	2.44	79.2
16.6	-28.31	11.4							
849.700	0.0	0.0	0.0	33.9	0.0	0.009	7.8	2.43	79.2
17.3	-28.31	12.0							
849.800	0.0	0.0	0.0	33.1	0.0	0.005	7.8	2.43	79.2
17.6	-28.31	12.4							
849.900	0.0	0.0	0.0	31.9	0.0	0.006	7.8	2.41	79.2
18.4	-28.30	13.2							
850.000	0.0	0.0	0.0	31.0	0.0	0.007	7.8	2.41	79.2
18.5	-28.30	13.6							
850.100	0.0	0.0	0.0	30.0	0.0	0.003	7.8	2.41	79.2
18.7	-28.30	14.5							
850.200	0.0	0.0	0.0	29.5	0.0	0.002	7.8	2.40	79.2
19.1	-25.16	14.9							
850.300	0.0	0.0	0.0	28.9	0.0	0.002	7.8	2.40	79.2
19.5	-22.01	15.2							
850.400	0.0	0.0	0.0	27.7	0.0	0.001	7.8	2.39	32.0
19.7	-18.87	15.4							
850.500	0.0	0.0	0.0	27.3	0.0	-0.000	7.8	2.37	
32.0	21.1	-15.72	15.6						
850.600	0.0	0.0	0.0	27.4	0.0	0.001	7.8	2.36	32.0
21.9	-12.58	15.8							
850.700	0.0	0.0	0.0	27.4	0.0	0.001	7.8	2.35	32.0
22.6	-9.43	16.1							
850.800	0.0	0.0	0.0	27.6	0.0	-0.001	7.8	2.34	
32.0	22.8	-6.29	16.6						

850.900	0.0	0.0	0.0	27.5	0.0	-0.002	7.8	2.34		
32.0	23.1	-3.14	16.6							
851.000	0.0	0.0	0.0	27.4	0.0	0.000	7.8	2.33	32.0	
23.4	0.00	16.6								
851.100	0.0	0.0	0.0	27.2	0.0	0.000	7.8	2.33	32.0	
23.4	0.00	16.6								
851.200	0.0	0.0	0.0	26.6	0.0	0.000	7.8	2.33	32.0	
23.4	0.00	16.4								
851.300	0.0	0.0	0.0	25.7	0.0	0.000	7.8	2.33	32.0	
23.4	0.00	16.5								
851.400	0.0	0.0	0.0	25.4	0.0	0.000	7.8	2.33	32.0	
23.5	0.00	16.2								
851.500	0.0	0.0	0.0	25.6	0.0	0.000	7.8	2.32	32.0	
24.0	0.00	16.2								
851.600	0.0	0.0	0.0	26.3	0.0	0.000	7.8	2.33	32.0	
23.7	0.00	15.8								
851.700	0.0	0.0	0.0	26.6	0.0	0.000	7.8	2.33	32.0	
23.8	0.00	15.9								
851.800	0.0	0.0	0.0	27.1	0.0	0.000	7.8	2.33	32.0	
23.5	0.00	15.8								
851.900	0.0	0.0	0.0	27.4	0.0	0.000	7.8	2.34	32.0	
23.3	0.00	15.4								
852.000	0.0	0.0	0.0	27.7	0.0	0.000	7.7	2.35	32.0	
22.3	0.00	15.3								
852.100	0.0	0.0	0.0	27.7	0.0	0.000	7.8	2.36	32.0	
21.8	0.00	15.5								
852.200	0.0	-999.25	0.0	23.5	0.0	0.000	7.8	2.37		
32.0	21.1	0.00	15.6							
852.300	0.0	0.0	0.0	19.1	0.0	0.000	7.8	2.37	32.0	
20.8	0.00	15.7								
852.400	0.0	0.0	0.0	15.1	0.0	0.000	7.8	2.38	32.0	
20.7	0.00	15.7								
852.500	0.0	0.0	0.0	11.2	0.0	0.000	7.8	2.38	32.0	
20.6	0.00	15.7								
852.600	-999.25	0.0	-999.25	7.5	0.0	0.000	7.8	2.38	32.0	
20.7	0.00	15.6								
852.700	0.0	0.0	0.0	3.7	0.0	0.000	7.8	2.37	32.0	
20.9	0.00	15.6								
852.800	0.0	0.0	0.0	-999.25	0.0	0.000	7.8	2.37	32.0	
21.2	0.00	15.6								
852.900	0.0	0.0	0.0	-999.25	0.0	0.000	7.8	2.37	32.0	
21.1	0.00	15.5								
853.000	-999.25	0.0	-999.25	-999.25	0.0	0.000	7.8	2.36	32.0	
21.6	0.00	15.5								
853.100	-999.25	0.0	-999.25	-999.25	0.0	0.000	7.9	2.35	32.0	
22.4	0.00	15.4								
853.200	-999.25	0.0	-999.25	-999.25	0.0	0.000	7.9	2.34	32.0	
23.0	0.00	15.4								
853.300	-999.25	0.0	-999.25	-999.25	0.0	0.000	7.9	2.33	32.0	
23.7	0.00	15.6								
853.400	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.9	2.32		
32.0	24.2	0.00	16.0							
853.500	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.8	2.32		
32.0	24.2	0.00	16.2							

853.600	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.9	2.32
32.0	24.5	0.00	16.4					
853.700	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.8	2.31
32.0	25.0	0.00	16.9					
853.800	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.7	2.30
32.0	25.7	0.00	16.7					
853.900	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.7	2.29
32.0	26.0	0.00	16.9					
854.000	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.7	2.29
32.0	26.2	0.00	17.3					
854.100	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.7	2.28
32.0	26.4	0.00	17.9					
854.200	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.8	2.28
32.0	26.5	0.00	18.5					
854.300	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.7	2.27
32.0	27.4	0.00	19.0					
854.400	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.7	2.11
32.0	26.0	0.00	19.5					
854.500	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.7	1.96
32.0	24.1	0.00	18.5					
854.600	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.8	1.81
32.0	22.1	0.00	17.5					
854.700	-999.25	-999.25	-999.25	-999.25	0.0	0.000	7.8	1.66
32.0	20.3	0.00	16.4					
854.800	-999.25	-999.25	-999.25	-999.25	-999.25	0.000	7.7	1.51
32.0	18.4	-999.25	15.3					
854.900	-999.25	-999.25	-999.25	-999.25	0.0	-999.25	7.5	1.36
32.0	16.5	0.00	14.2					
855.000	-999.25	-999.25	-999.25	-999.25	0.0	0.000	6.2	1.20
32.0	15.1	0.00	13.0					
855.100	-999.25	-999.25	-999.25	-999.25	0.0	0.000	0.0	1.13
0.0	14.2	0.00	12.6					
855.200	-999.25	-999.25	-999.25	-999.25	0.0	0.000	0.0	1.04
0.0	13.1	0.00	11.9					
855.300	-999.25	-999.25	-999.25	-999.25	0.0	0.000	0.0	0.94
0.0	11.4	0.00	11.3					
855.400	-999.25	-999.25	-999.25	-999.25	0.0	0.000	0.0	0.82
0.0	10.3	0.00	10.4					
855.500	-999.25	-999.25	-999.25	-999.25	0.0	0.000	-999.25	0.67
-999.25	8.8	0.00	9.5					
855.600	-999.25	-999.25	-999.25	-999.25	0.0	0.000	0.0	0.49
0.0	7.0	0.00	7.8					
855.700	-999.25	-999.25	-999.25	-999.25	0.0	0.000	-999.25	0.26
-999.25	4.8	0.00	5.7					

Beachner Bros 34-29-20-1
34-29S-20E
1" = 2,000'



29S-20E

30S-20E

28

33

34

35

36

4

5

8

9

10

21

22

27

32

3

2

1

11

25

26

30th Rd

36

Beachner Bros

1

2

60th Rd

30S-20E

11

Beachner Bros

Beachner Bros

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re.perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW

Plug Back: _____ Plug Back Total Depth _____

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

ENHR Permit #: _____

GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - _____

Spot Description: _____

_____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: _____

Title: _____ Date: _____

KCC Office Use ONLY

Letter of Confidentiality Received

Date: _____

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No Log Formation (Top), Depth and Datum Sample
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No

Electric Log Submitted Electronically Yes No

(If no, Submit Copy)

List All E. Logs Run:

CASING RECORD New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

PERFORATION RECORD - Bridge Plugs Set/Type
Specify Footage of Each Interval Perforated

Shots Per Foot	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS:

Vented Sold Used on Lease
 (If vented, Submit ACO-18.)

METHOD OF COMPLETION:

Open Hole Perf. Dually Comp. (Submit ACO-5) Commingled (Submit ACO-4)
 Other (Specify) _____

PRODUCTION INTERVAL:

Form	ACO1 - Well Completion
Operator	PostRock Midcontinent Production LLC
Well Name	BEACHNER BROS 34-29-20-1
Doc ID	1063842

All Electric Logs Run

DIL
NDL
TEMP
CDL
GRN

DRAFT

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

September 22, 2011

CLARK EDWARDS
PostRock Midcontinent Production LLC
Oklahoma Tower
210 Park Ave, Ste 2750
OKLAHOMA CITY, OK 73102

Re: ACO1
API 15-133-27558-00-00
BEACHNER BROS 34-29-20-1
SW/4 Sec.34-29S-20E
Neosho County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
CLARK EDWARDS

QUEST

Resource Corporation

211 W. 14TH STREET,
CHANUTE, KS 66720
620-431-9500

TICKET NUMBER

7112

FIELD TICKET REF # _____

FOREMAN Joe Blanchard

SSI _____

API _____

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-6-11	Beachuer 34-29-20-1	34	29	20	NO

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe Blanchard	9:30	11:00		904850		1.5	<i>Joe Blanchard</i>
Dustin Parker	↓	↓		903600		↓	<i>Dustin Parker</i>
Wes Gahman	↓	↓		931505	931395	↓	<i>Wes Gahman</i>
Justin T. Jensen	↓	↓		903255		↓	<i>Justin T. Jensen</i>

JOB TYPE Surface HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS:

Hooked up to Surface Pipe Pumped 2 bbl H₂O To get circulation.
Pumped 15 SKS of cement to get good cement to surface. Pumped 1 bbl
H₂O displacement. Shut down washed up. Left location.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
904850	1.5 hr	Foreman Pickup	
903255	hr	Cement Pump Truck	
903600	hr	Bulk Truck	
931505	hr	Transport Truck	
931395	hr	Transport Trailer	
		80 Vac	
		Casing	
		Centralizers	
		Float Shoe	
		Wiper Plug	
		Frac Baffles	
	15 SK	Portland Cement	
		Gilsonite	
		Flo-Seal	
		Premium Gel	
		Cal Chloride	
		KCL	
	25 BBL	City Water	

QUEST

Resource Corporation

211 W. 14TH STREET,
CHANUTE, KS 66720
620-431-9500

AFE D11056

TICKET NUMBER

✓ 7113

FIELD TICKET REF #

FOREMAN Joe Blanchard

SSI 629800

API 15-133-27558

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-11-11	Beachner Bros. 34-29-20-1	34	29	20	NO

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe Blanchard	6:00	10:00		904850			<i>Joe Blanchard</i>
Justin T. Jensen	↓	↓		903255			<i>Justin T. Jensen</i>
Wes Gahman	↓	↓		931505	931395		<i>Wes Gahman</i>
DUSTIN PORTER	↓	↓		903600			<i>Dustin Porter</i>

JOB TYPE Long string HOLE SIZE 7 7/8 HOLE DEPTH 855 CASING SIZE & WEIGHT 5 1/2 14#
 CASING DEPTH 824.15 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 0
 DISPLACEMENT 19.62 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS:

Installed cement head RAW 1SK gel swept to surface. RAW 11 BBI dye & 130 SKS of cement to get dye to surface. Flush pump. Pump wiper plug to bottom & set float shoe.

Rookies loaded pipe & tallied it wrong so I had to Retally pipe & remove joint 22 on trailer. This was reviewed by Ken Recoy & he gave OK to Run in this way.

started casing 7:30 started cement 9:00

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
904850	4 hr	Foreman Pickup	
903255	hr	Cement Pump Truck	
903600	hr	Bulk Truck	
931505	hr	Transport Truck	
931395	hr	Transport Trailer	
904730	hr	80 Vac	
	824.15 hr	Casing 5 1/2	New Tally
	5	Centralizers	
	1	Float Shoe	
	1	Wiper Plug	
	2	Frac Baffles 4" # 4 1/2"	
	100 SK	Portland Cement	
	25 SK	Gilsonite	
	2 SK	Flo-Seal	
	7 SK	Premium Gel	
	4 SK	Cal Chloride	
	1	5 1/2 Basket	
	7000 gal	City Water	
	4 hr	Casing tractor	
	4 hr	Casing tractor	

Revised Tally Sheet

Pipe#	Length	Running Total	Baffle Location	POSTROCK ENERGY CORP - CASING TALLY SHEET
1	38.99	38.99		Date: 7/11/11
2	38.44	77.43	Cement Basket	Well Name & #: Beachner Bros 34-29-20-1
3	39.74	117.17		Township & Range: 29S-20E
4	39.84	157.01	157 ft.	County/State: Neosho / Kansas
5	37.79	194.80		SSI #: 629800
6	39.62	234.42		AFE#: D11056
7	39.74	274.16		Road Location: 80th & Rooks, S & E into
8	39.57	313.73		API# 15-133-27558
9	39.74	353.47		
10	38.61	392.08		Set Upper Baffle @ 353.47 ft. Big Hole.
11	39.73	431.81		
12	39.38	471.19		
13	39.53	510.72		
14	39.80	550.52		
15	39.98	590.50		
16	38.19	628.69		Set Lower Baffle @ 628.69 ft. Small Hole.
17	38.70	667.39		
18	40.30	707.69		
19	38.91	746.60		
20	38.85	785.45		
21	38.70	824.15	Tally Bottom	
22	39.10	863.25	Tally Bottom - Leave out	
Use 21 joints & leave out joint 22.				
No Sub.				
Note - This Sheet had to be revised because whoever measured the casing last Friday did <u>Not</u> measure the Collars. Ken				

Miss Top 716 ft.

Tally Bottom 824.15 ft.

Log Bottom 855.70 ft.

Driller TD 856 ft.

Teamwork works! Put Safety 1st!

TKD Ken D

AFFIDAVIT

STATE OF KANSAS \
- SS.
County of Sedgwick /

Mark Fletchall, of lawful age, being first duly sworn, deposeth and saith: That he is Record Clerk of The Wichita Eagle, a daily newspaper published in the City of Wichita, County of Sedgwick, State of Kansas, and having a general paid circulation on a daily basis in said County, which said newspaper has been continuously and uninterruptedly published in said County for more than one year prior to the first publication of the notice hereinafter mentioned, and which said newspaper has been entered as second class mail matter at the United States Post Office in Wichita, Kansas, and which said newspaper is not a trade, religious or fraternal publication and that a notice of a true copy is hereto attached was published in the regular and entire Morning issue of said The Wichita Eagle for 1 issues, that the first publication of said notice was

made as aforesaid on the 11th of

August A.D. 2011, with

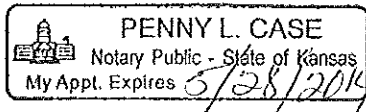
subsequent publications being made on the following dates:

And affiant further says that he has personal knowledge of the statements above set forth and that they are true.

Mark Fletchall

Subscribed and sworn to before me this

11th day of August, 2011



Penny L Case
Notary Public Sedgwick County, Kansas

Printer's Fee : \$146.80

LEGAL PUBLICATION

PUBLISHED IN THE WICHITA EAGLE
AUGUST 11, 2011 (3134496)
BEFORE THE STATE CORPORATION
COMMISSION OF THE
STATE OF KANSAS

NOTICE OF FILING APPLICATION

RE: In the Matter of Postrock Midcontinent Production, LLC Application for Venting Authority Under Regulation K.A.R. 82-3-314(b)(2) Applicable to the Beachner Bros 34-29-20-1 located in Neosho County, Kansas.

Docket No. D110803

Conservation Division

TO: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners, and all persons whomsoever concerned.

You, and each of you, are hereby notified that Postrock Midcontinent Production, LLC has filed an application to continuously vent produced natural gas for longer than 7 days in order to gauge available reserves prior to start-up of commercial production from this well. The well we are seeking permission to vent is the Beachner Bros 34-29-20-1, located in the NE SW, S34-T29S-R20E, Approximately 2140 FNL & 1850 FEL, Neosho County, Kansas.

Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly. All person and/or companies wishing to protest this application are required to file a written protest with the Conservation Division of the Kansas Oil and Gas Commission.

Upon the receipt of any protest, the Commission will convene a hearing and protestants will be expected to enter an appearance either through proper legal counsel or as individuals, appearing on their own behalf.

Postrock Midcontinent Production, LLC
210 Park Avenue, Suite 2750
Oklahoma City, Oklahoma 73102
(405) 660-7704

Print Date Time: 09/12/2011 13:55

Analyzed By: MELINDA REED

Meter ID: NR7048 11-09-12

BEACHNER 34-29-20-1

Analysis Time: 09/12/2011 12:53

Sample Type: Spot

Flowing Temp.: 82 Deg. F

Flowing Pressure: 2 psig

Comp	UnNorm %	Normal %	Liquids (USgal/MCF)	Ideal (Btu/SCF)	Rel. Density
Propane	0.0179	0.0617	0.0170	1.5528	0.0009
Hydrogen Sulfide	0.0000	0.0000	0.0000	0.0000	0.0000
IsoButane	0.0019	0.0066	0.0021	0.2138	0.0001
Butane	0.0033	0.0112	0.0035	0.3655	0.0002
NeoPentane	0.0000	0.0000	0.0000	0.0000	0.0000
IsoPentane	0.0000	0.0000	0.0000	0.0000	0.0000
Pentane	0.0000	0.0000	0.0000	0.0000	0.0000
Hexane+	0.0216	0.0743	0.0000	0.0000	0.0000
Nitrogen	0.7413	2.5546	0.0000	0.0000	0.0247
Methane	27.8186	95.8700	0.0000	968.2872	0.5311
CarbonDioxide	0.3505	1.2078	0.0000	0.0000	0.0184
Ethane	0.0620	0.2137	0.0570	3.7826	0.0022
Hexane	0.0000	0.0743	0.0305	3.5339	0.0022
Heptane+	0.0000	0.0000	0.0000	0.0000	0.0000
Heptane	0.0000	0.0000	0.0000	0.0000	0.0000
Octane	0.0000	0.0000	0.0000	0.0000	0.0000
Nonane+	0.0000	0.0000	0.0000	0.0000	0.0000
Nonane	0.0000	0.0000	0.0000	0.0000	0.0000
Decane	0.0000	0.0000	0.0000	0.0000	0.0000
Undecane	0.0000	0.0000	0.0000	0.0000	0.0000
Dodecane	0.0000	0.0000	0.0000	0.0000	0.0000
Ethane-	0.0000	0.0000	0.0000	0.0000	0.0000
Propane +	0.0000	0.0000	0.0000	0.0000	0.0000
Total	29.0170	100.0000	0.1101	977.7359	0.5808

Inferior Wobbe 1267.1827 (Btu/SCF) Superior Wobbe 1288.4559 (Btu/SCF)

Compressibility 0.9980 Density 0.0444 (lbm/ft3)

Real Rel. Density 0.5808 Ideal CV 977.7359 (Btu/SCF)

Wet CV 965.7199 (Btu/SCF) Dry CV 981.9323 (Btu/SCF)

Contract Temp. 60.0000 (deg F) Contract Press. 14.7300 (psia)

Number of Cycles 1 Connected Stream 1

Comments: DS #278

Affidavit of Publication

STATE OF KANSAS, NEOSHO COUNTY, ss:
Rhonda Howerter, being first duly sworn,
deposes and says: That *she* is *Classified Manager*
of *THE CHANUTE TRIBUNE*, a daily newspaper printed
in the State of Kansas, and published in and of general
circulation in Neosho County, Kansas, with a general paid
circulation on a daily basis in Neosho County, Kansas, and
that said newspaper is not a trade, religious or fraternal
publication.

Said newspaper is a daily published at least weekly 50
times a year: has been so published continuously and unin-
terruptedly in said county and state for a period of more
than five years prior to the first publication of said notice;
and has been admitted at the post office of Chanute, in said
county as second class matter.

That the attached notice is a true copy thereof and was
published in the regular and entire issue of said newspa-
per for ~~1 consecutive~~ 1 time, the first publication
thereof being made as aforesaid on the 10 day of
August 2011, with subsequent publications being made on the fol-
lowing dates:

_____ , 2011 _____ , 2011

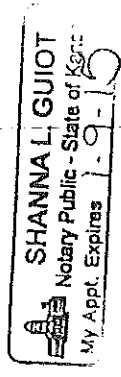
_____ , 2011 _____ , 2011

Rhonda Howerter

Subscribed and sworn to and before me this
23 day of September, 2011

[Signature]
Notary Public

My commission expires: January 9, 2015
Printer's Fee \$ 56.75
Affidavit, Notary's Fee \$ 3.00
Additional Copies \$ _____
Total Publication Fees \$ 59.75



BEFORE THE STATE COR- PORATION COMMISSION OF THE STATE OF KANSAS NOTICE OF FILING APPLICATION

RE: In the Matter of Postrock
Midcontinent Production, LLC
Application for Venting Author-
ity Under Regulation K.A.R.
82-3-314(b)(2), Applicable to the
Beachner Bros 34-29-20-1 locat-
ed in Neosho County, Kansas.

Docket No. DH10803
Conservation Division

TO: All Oil & Gas Producers,
Unleased Mineral Interest Own-
ers, Landowners, and all persons
whomever concerned.

You, and each of you, are hereby
notified that Postrock Midcont-
inent Production, LLC has filed
an application to continuously
vent produced natural gas for
longer than 7 days in order to
gauger available reserves prior to
start-up of commercial produc-
tion from this well. The well we
are seeking permission to vent is
the Beachner Bros 34-29-20-1,
located in the NE SW S34-T29S-
R20E, Approximately 2140 ENL
& 1850 FEL, Neosho County,

Kansas.
Any persons who object to or
protest this application shall be
required to file their objections
or protest with the Conservation
Division of the State Corporation
Commission of the State of Kan-
sas within fifteen (15) days from
the date of this publication. These
protests shall be filed pursuant to
Commission regulations and must
state specific reasons why grant-
ing the application may cause
waste, violate correlative rights
or pollute the natural resources of
the State of Kansas.

All persons interested or con-
cerned shall take notice of the
foregoing and shall govern them-
selves accordingly. All person
and/or companies wishing to pro-
test this application are required
to file a written protest with the
Conservation Division of the
Kansas Oil and Gas Commission.

Upon the receipt of any protest,
the Commission will convene a
hearing and protestants will be
expected to enter an appearance
either through proper legal coun-
sel or as individuals, appearing on
their own behalf.

Postrock Midcontinent Produc-
tion, LLC
210 Park Avenue, Suite 2750
Oklahoma City, Oklahoma
73102
(405) 660-7704

A COPY OF THE AFFIDAVIT
OF PUBLICATION MUST
ACCOMPANY ALL APPLI-
CATIONS