

# ТАМБОВСКАЯ ОБЛАСТЬ

## ЗАКОН

**О внесении изменения в Закон Тамбовской области «Об установлении границ Умётского муниципального округа Тамбовской области и определении места нахождения его представительного органа и о признании утратившими силу отдельных положений некоторых законодательных актов Тамбовской области»**

Принят Тамбовской областной Думой

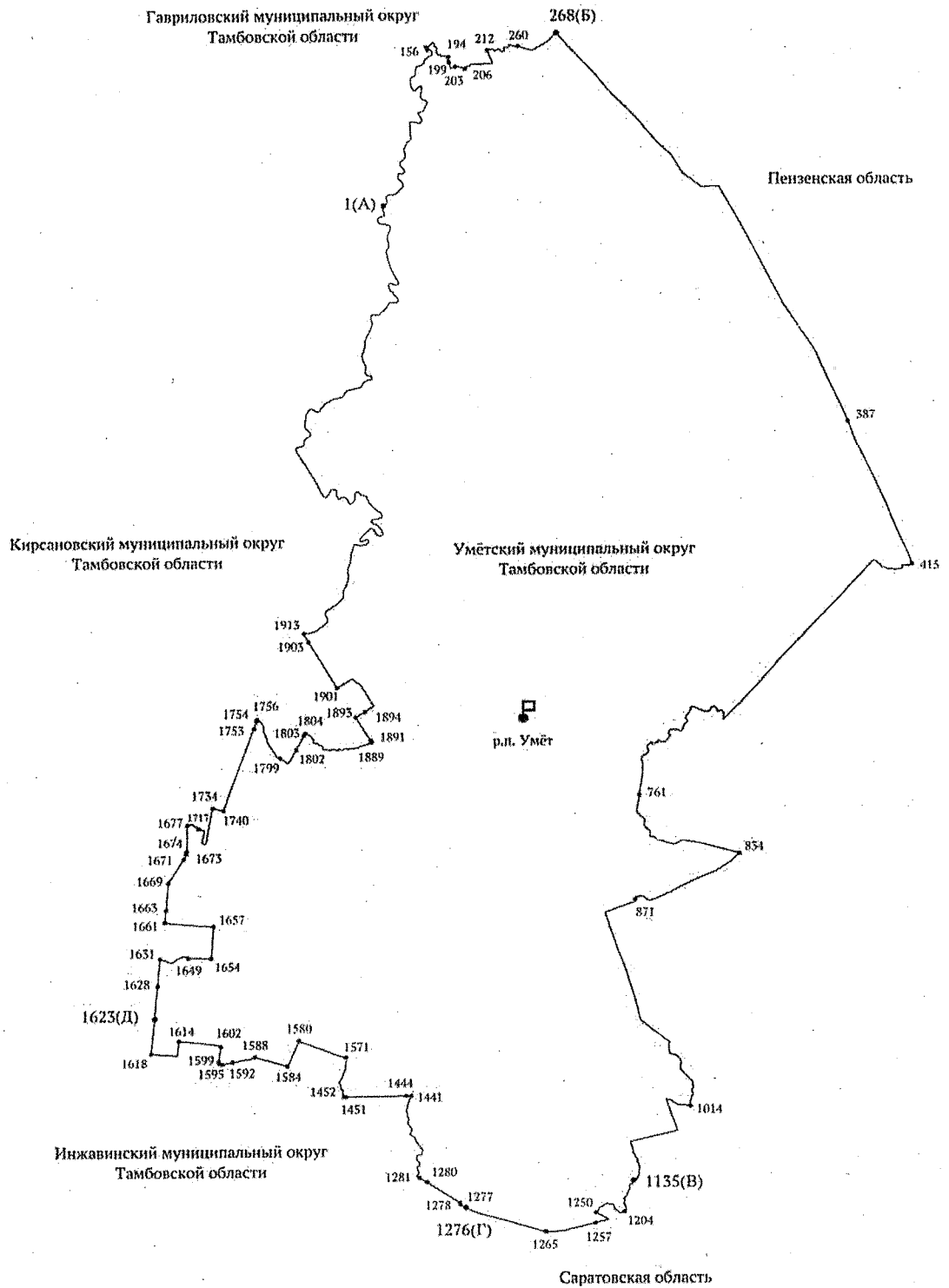
25 октября 2024 года

### Статья 1

Внести в Закон Тамбовской области от 1 декабря 2016 года № 29-З «Об установлении границ Умётского муниципального округа Тамбовской области и определении места нахождения его представительного органа и о признании утратившими силу отдельных положений некоторых законодательных актов Тамбовской области» (сайт сетевого издания «Тамбовская жизнь» ([www.tamlife.ru](http://www.tamlife.ru)), 2016, 5 декабря; Официальный интернет-портал правовой информации ([www.pravo.gov.ru](http://www.pravo.gov.ru)), 2017, 3 марта, № 6800201703030016; сайт сетевого издания «Тамбовская жизнь» ([www.tamlife.ru](http://www.tamlife.ru)), 2023, 10 мая) изменение, изложив приложение 1 в следующей редакции:

«Приложение 1 к Закону Тамбовской области «Об установлении границ Умётского муниципального округа Тамбовской области и определении места нахождения его представительного органа и о признании утратившими силу отдельных положений некоторых законодательных актов Тамбовской области»

Схема  
границ Умётского муниципального округа  
Тамбовской области



**Описание  
границ Умётского муниципального округа  
Тамбовской области**

**I. Участок границы с муниципальным образованием – Гавриловский муниципальный округ Тамбовской области (от А до Б)**

Граница с муниципальным образованием – Гавриловский муниципальный округ Тамбовской области проходит:

- от т.1(А) до т.156 – по середине реки Ворона;
- от т.156 до т.194 – по ручью от реки Ворона;
- от т.194 до т.199 – по западной стороне пруда;
- от т.199 до т.203 – пересекая пруд;
- от т.203 до т.206 – по северной стороне лесного участка;
- от т.206 до т.212 – по пастбищному участку;
- от т.212 до т.260 – по середине ручья;
- от т.260 до т.268(Б) – пересекая лесной массив.

**II. Участок границы с Пензенской областью (от Б до В)**

Граница с Пензенской областью проходит:

- от т.268(Б) до т.387 – в юго-восточном направлении от южной стороны 74 квартала Морозовского-Поимского участкового лесничества Белинского лесничества Пензенской области по грунтовой дороге 3,79 км, далее не меняя направления по северо-восточной стороне лесополосы 4,66 км, затем на юго-восток от лесополосы по полевой дороге 1,88 км, далее в восточном направлении от полевой дороги по северной стороне лесополосы 0,78 км, затем в юго-восточном направлении по северо-восточной стороне лесополосы 12 км, далее на юго-восток от лесополосы 1,1 км, пересекая овраги, по суходолу;
- от т.387 до т.415 – в юго-восточном направлении по полевой дороге 1,82 км, далее граница идет на юго-восток по северо-восточной стороне лесополосы 2,62 км, пересекая плотину 0,09 км, затем в юго-восточном направлении от плотины по полевой дороге 1,04 км, далее на юго-восток по юго-западной стороне лесополосы 2,07 км до реки Грязнуха;
- от т.415 до т.761 – вверх по течению реки Грязнуха 0,21 км, вдоль плотины на северо-запад 0,08 км, далее от плотины по северной части пруда 0,41 км, затем в юго-западном направлении по пруду 0,44 км, далее от пруда по балке Грязя в северо-западном направлении 1,2 км, затем в юго-западном направлении по суходолу 0,85 км, далее на юго-запад по юго-восточной стороне лесополосы 2,34 км, затем в юго-западном направлении по суходолу 0,64 км, пересекая овраг, от оврага на юго-запад по юго-восточной стороне лесополосы 5,64 км, пересекая балку Синявка 0,32 км, далее от балки Синявка на юго-запад по полевой дороге 0,95 км до реки Вяжель, затем вниз по течению реки Вяжель 7,33 км, далее на юго-запад от реки Вяжель по полевой дороге 1,35 км, затем пересекает Юго-Восточную железную дорогу в юго-западном направлении 0,2 км;
- от т.761 до т.834 – на юго-запад 0,34 км от южной стороны полосы отвода Юго-

Восточной железной дороги по суходолу, далее идет по восточной стороне лесополосы 0,51 км и поворачивает на юго-запад, затем граница идет на юго-восток по северо-восточной стороне лесополосы 0,53 км, далее в южном направлении от лесополосы по полевой дороге 0,36 км, в юго-восточном направлении 0,35 км, затем, пересекая автодорогу «г.Саратов – г.Тамбов», далее граница идет по оврагу на юго-запад 0,26 км, далее в юго-восточном направлении от оврага по тальвегу пруда 0,94 км и вверх по течению ручья 0,81 км, далее на юго-восток 0,24 км по суходолу до ручья, затем на юго-восток 2,56 км по северной стороне лесополосы;

от т.834 до т.871 – на юго-запад по суходолу 0,44 км, затем на юго-запад по южной стороне лесополосы 4,33 км, далее на север-запад по грунтовой дороге 0,55 км, затем в юго-западном направлении по северному краю плотины 0,42 км до грунтовой дороги;

от т.871 до т.1014 – в южном направлении по грунтовой дороге 0,14 км, затем на юго-запад по южной стороне лесополосы 1,57 км, далее идет на юго-восток по восточной стороне лесополосы 5,42 км, далее 0,56 км по северо-восточной стороне лесополосы, и по дороге, проходящей между лесополосами, до ручья на юго-восток 1,22 км, затем вниз по течению ручья 3,86 км;

от т.1014 до т.1135(В) – на северо-запад от ручья по тальвегу оврага 1,21 км, далее на юго-восток по восточной стороне лесополосы 1,64 км, затем на юго-запад по южной стороне лесополосы 2,31 км, далее вниз по течению ручья 2,34 км до места слияния границ Пензенской области, Тамбовской области и Саратовской области.

### **III. Участок границы с Саратовской областью (от В до Г)**

Граница с Саратовской областью проходит:

от т.1135(В) до т.1204 – по ручью;

от т.1204 до т.1250 – по середине реки Карай;

от т.1250 до т.1257 – по меже;

от т.1257 до т.1265 – по южной стороне лесополосы;

от т.1265 до т.1276(Г) – по юго-западной стороне лесополосы.

### **IV. Участок границы с муниципальным образованием – Инжавинский муниципальный округ Тамбовской области (от Г до Д)**

Граница с муниципальным образованием – Инжавинский муниципальный округ Тамбовской области проходит:

от т.1276(Г) до т.1277 – по юго-западной стороне лесополосы;

от т.1277 до т.1278 – по меже;

от т.1278 до т.1280 – по юго-западной стороне лесополосы;

от т.1280 до т.1281 – по меже;

от т.1281 до т.1441 – по середине реки Березовка;

от т.1441 до т.1444 – по пастбищному участку;

от т.1444 до т.1451 – по южной стороне лесополосы;

от т.1451 до т.1452 – по пастбищному участку до ручья;

от т.1452 до т.1571 – по ручью;

от т.1571 до т.1580 – по юго-западной стороне лесополосы;  
от т.1580 до т.1584 – по северо-западной стороне лесополосы;  
от т.1584 до т.1588 – по меже;  
от т.1588 до т.1592 – по пастбищному участку;  
от т.1592 до т.1595 – пересекая пруд;  
от т.1595 до т.1599 – по пастбищному участку;  
от т.1599 до т.1602 – по западной стороне лесополосы;  
от т.1602 до т.1614 – по южной стороне полевой дороги;  
от т.1614 до т.1618 – по меже;  
от т.1618 до т.1623(Д) – по западной стороне лесополосы.

**V. Участок границы с муниципальным образованием – Кирсановский муниципальный округ Тамбовской области (от Д до А)**

Граница с муниципальным образованием – Кирсановский муниципальный округ Тамбовской области проходит:

от т.1623(Д) до т.1628 – по западной стороне полевой дороги;  
от т.1628 до т.1631 – по западной стороне лесополосы;  
от т.1631 до т.1649 – по ручью;  
от т.1649 до т.1654 – по южной стороне лесополосы;  
от т.1654 до т.1657 – по восточной стороне лесополосы;  
от т.1657 до т.1661 – по южной стороне лесополосы;  
от т.1661 до т.1663 – по восточной стороне лесополосы;  
от т.1663 до т.1669 – по западной стороне полевой дороги;  
от т.1669 до т.1671 – по юго-восточной стороне лесополосы;  
от т.1671 до т.1673 – по сенокосному участку;  
от т.1673 до т.1674 – пересекая ручей;  
от т.1674 до т.1677 – по сенокосному участку;  
от т.1677 до т.1717 – по середине реки Вяжля;  
от т.1717 до т.1734 – по меже;  
от т.1734 до т.1740 – по северной границе лесного участка;  
от т.1740 до т.1753 – по юго-восточной стороне лесополосы;  
от т.1753 до т.1754 – по меже;  
от т.1754 до т.1756 – по пастбищному участку;  
от т.1756 до т.1799 – по пересыхающему ручью;  
от т.1799 до т.1802 – по меже;  
от т.1802 до т.1803 – по юго-восточной стороне лесополосы;  
от т.1803 до т.1804 – по пастбищному участку;  
от т.1804 до т.1889 – по ручью;  
от т.1889 до т.1891 – по пастбищному участку;  
от т.1891 до т.1893 – по северо-восточной стороне лесополосы;  
от т.1893 до т.1894 – по юго-восточной стороне лесополосы;  
от т.1894 до т.1901 – по меже;  
от т.1901 до т.1903 – по северо-восточной стороне лесополосы;  
от т.1903 до т.1913 – по границе приусадебных земель населенного пункта Садовка до середины реки Ворона;

от т.1913 до т.1(А) – по середине реки Ворона.

**Каталог  
координат характерных точек границ  
Умётского муниципального округа  
Тамбовской области**

Название (номер) межевого знака	Дирекционные углы (град. мин. сек.)	Длина линии (м)	X координа- та	Y координата
1			440371.73	1344208.65
	53° 34' 09"	79.06		
2			440418.68	1344272.26
	63° 04' 16"	66.88		
3			440448.97	1344331.89
	44° 29' 15"	74.29		
4			440501.97	1344383.95
	8° 07' 37"	53.55		
5			440554.98	1344391.52
	350° 19' 12"	39.37		
6			440593.79	1344384.9
	338° 24' 16"	97.73		
7			440684.66	1344348.93
	5° 54' 25"	137.98		
8			440821.91	1344363.13
	47° 52' 50"	93.14		
9			440884.38	1344432.22
	71° 34' 17"	56.88		
10			440902.36	1344486.18
	87° 29' 05"	108		
11			440907.1	1344594.08
	89° 12' 40"	137.26		
12			440908.99	1344731.33
	76° 09' 43"	67.27		
13			440925.08	1344796.65
	51° 28' 58"	118.55		
14			440998.91	1344889.41
	38° 01' 40"	93.73		
15			441072.74	1344947.15
	24° 52' 53"	71.99		
16			441138.05	1344977.44
	51° 25' 59"	179.17		

17			441249.75	1345117.53
	24° 03' 58"	106.77		
18			441347.24	1345161.07
	12° 59' 43"	63.15		
19			441408.77	1345175.27
	334° 19' 18"	109.23		
20			441507.21	1345127.94
	324° 44' 04"	83.93		
21			441575.74	1345079.48
	300° 48' 19"	73.19		
22			441613.22	1345016.62
	300° 18' 14"	39.02		
23			441632.91	1344982.93
	316° 15' 32"	36.69		
24			441659.42	1344957.56
	323° 55' 51"	48.24		
25			441698.41	1344929.16
	340° 58' 31"	58.07		
26			441753.31	1344910.23
	3° 02' 06"	50.05		
27			441803.29	1344912.88
	12° 16' 44"	65.88		
28			441867.66	1344926.89
	23° 03' 31"	38.68		
29			441903.25	1344942.04
	42° 30' 50"	30.81		
30			441925.96	1344962.86
	67° 29' 38"	28.68		
31			441936.94	1344989.36
	76° 55' 14"	38.49		
32			441945.65	1345026.85
	97° 02' 11"	61.8		
33			441938.08	1345088.18
	93° 26' 53"	75.49		
34			441933.54	1345163.53
	86° 39' 03"	19.34		
35			441934.67	1345182.84
	52° 39' 55"	56.19		
36			441968.75	1345227.52
	30° 02' 56"	61.23		
37			442021.75	1345258.18
	3° 56' 24"	19.36		
38			442041.06	1345259.51
	335° 07' 19"	72		

39			442106.38	1345229.22
	320° 31' 25"	83.38		
40			442170.74	1345176.21
	321° 04' 24"	189.81		
41			442318.4	1345056.95
	341° 22' 17"	88.91		
42			442402.65	1345028.55
	354° 43' 30"	61.78		
43			442464.17	1345022.87
	25° 05' 38"	82.57		
44			442538.95	1345057.89
	56° 26' 25"	118.14		
45			442604.26	1345156.34
	56° 51' 08"	110.79		
46			442664.84	1345249.1
	28° 33' 28"	85.14		
47			442739.62	1345289.8
	3° 08' 35"	86.27		
48			442825.76	1345294.53
	355° 29' 07"	108.24		
49			442933.66	1345286.01
	337° 08' 47"	124.29		
50			443048.19	1345237.74
	345° 38' 03"	80.13		
51			443125.81	1345217.86
	19° 39' 17"	98.5		
52			443218.57	1345250.99
	32° 10' 09"	138.67		
53			443335.95	1345324.82
	29° 32' 17"	65.27		
54			443392.74	1345357
	12° 48' 22"	64.06		
55			443455.21	1345371.2
	32° 28' 19"	61.71		
56			443507.27	1345404.33
	59° 25' 20"	145.13		
57			443581.1	1345529.28
	34° 41' 27"	59.86		
58			443630.32	1345563.35
	1° 56' 54"	55.88		
59			443686.17	1345565.25
	349° 10' 22"	131.06		
60			443814.9	1345540.63
	359° 47' 10"	251.78		



61			444066.68	1345539.69
	353° 35' 32"	262.89		
62			444327.93	1345510.35
	357° 23' 36"	104.23		
63			444432.05	1345505.61
	31° 37' 00"	28.9		
64			444456.66	1345520.76
	63° 26' 06"	35.98		
65			444472.75	1345552.94
	79° 16' 47"	35.64		
66			444479.38	1345587.96
	90° 48' 35"	67.22		
67			444478.43	1345655.17
	91° 58' 18"	54.93		
68			444476.54	1345710.07
	104° 02' 10"	66.34		
69			444460.45	1345774.43
	107° 29' 13"	72.45		
70			444438.68	1345843.53
	109° 56' 02"	91.63		
71			444407.44	1345929.67
	92° 21' 34"	55.14		
72			444405.17	1345984.76
	69° 53' 54"	33.05		
73			444416.53	1346015.8
	52° 05' 48"	58.55		
74			444452.5	1346062
	31° 17' 16"	45.19		
75			444491.12	1346085.47
	11° 09' 15"	41.1		
76			444531.44	1346093.42
	359° 24' 37"	36.92		
77			444568.36	1346093.04
	342° 37' 45"	71.01		
78			444636.13	1346071.84
	325° 24' 01"	178.69		
79			444783.22	1345970.37
	329° 51' 26"	67.87		
80			444841.91	1345936.29
	353° 23' 18"	65.75		
81			444907.22	1345928.72
	27° 49' 43"	38.54		
82			444941.3	1345946.71
	69° 31' 47"	75.77		

83			444967.8	1346017.7
	86° 31' 41"	62.58		
84			444971.59	1346080.17
	78° 06' 33"	55.13		
85			444982.95	1346134.12
	49° 05' 36"	56.37		
86			445019.86	1346176.72
	24° 32' 57"	84.29		
87			445096.53	1346211.74
	23° 37' 47"	115.71		
88			445202.54	1346258.12
	36° 21' 54"	85.58		
89			445271.45	1346308.86
	24° 15' 21"	88.46		
90			445352.1	1346345.2
	16° 36' 24"	56.3		
91			445406.05	1346361.29
	348° 42' 00"	33.78		
92			445439.18	1346354.67
	316° 47' 47"	42.86		
93			445470.42	1346325.33
	311° 25' 59"	43.19		
94			445499	1346292.95
	290° 12' 02"	35.1		
95			445511.12	1346260.01
	286° 12' 11"	46.12		
96			445523.99	1346215.72
	290° 48' 57"	49.02		
97			445541.41	1346169.9
	291° 00' 45"	55.97		
98			445561.48	1346117.65
	315° 07' 54"	58.5		
99			445602.94	1346076.38
	336° 54' 55"	62.77		
100			445660.68	1346051.77
	357° 08' 14"	56.86		
101			445717.47	1346048.93
	356° 59' 12"	54.02		
102			445771.42	1346046.09
	9° 20' 39"	151.57		
103			445920.98	1346070.7
	14° 37' 23"	90		
104			446008.06	1346093.42
	13° 34' 19"	84.72		

105			446090.41	1346113.3
	356° 01' 58"	95.83		
106			446186.01	1346106.67
	335° 21' 03"	12.71		
107			446197.56	1346101.37
	289° 20' 17"	37.72		
108			446210.05	1346065.78
	261° 18' 07"	42.52		
109			446203.62	1346023.75
	256° 44' 29"	19.84		
110			446199.07	1346004.44
	233° 24' 00"	64.14		
111			446160.83	1345952.95
	227° 20' 17"	105.04		
112			446089.65	1345875.71
	222° 26' 16"	77.98		
113			446032.1	1345823.09
	234° 17' 27"	48.97		
114			446003.52	1345783.33
	256° 56' 17"	26.81		
115			445997.46	1345757.21
	273° 58' 36"	29.99		
116			445999.54	1345727.29
	294° 32' 35"	19.14		
117			446007.49	1345709.88
	317° 17' 00"	26.8		
118			446027.18	1345691.7
	327° 48' 19"	36.24		
119			446057.85	1345672.39
	325° 53' 39"	72.25		
120			446117.67	1345631.88
	335° 51' 17"	60.16		
121			446172.57	1345607.27
	343° 02' 15"	102.52		
122			446270.63	1345577.36
	348° 52' 55"	88.37		
123			446357.34	1345560.32
	347° 06' 51"	100.98		
124			446455.78	1345537.8
	13° 06' 28"	70.95		
125			446524.88	1345553.89
	31° 39' 37"	133.44		
126			446638.46	1345623.93
	58° 44' 15"	43.41		

127			446660.99	1345661.04
	57° 14' 56"	108.49		
128			446719.68	1345752.28
	34° 21' 42"	89.9		
129			446793.89	1345803.02
	19° 19' 14"	61.78		
130			446852.19	1345823.46
	0° 55' 39"	46.96		
131			446899.14	1345824.22
	345° 49' 27"	72.64		
132			446969.57	1345806.43
	8° 48' 16"	81.6		
133			447050.21	1345818.92
	27° 10' 48"	78.75		
134			447120.26	1345854.89
	47° 09' 48"	70.99		
135			447168.53	1345906.95
	69° 25' 03"	47.93		
136			447185.38	1345951.82
	71° 33' 54"	85		
137			447212.26	1346032.46
	72° 03' 35"	55.32		
138			447229.3	1346085.09
	51° 48' 50"	128.61		
139			447308.81	1346186.18
	28° 48' 56"	77.78		
140			447376.96	1346223.67
	21° 32' 09"	77.34		
141			447448.9	1346252.06
	22° 32' 53"	70.1		
142			447513.64	1346278.94
	56° 34' 15"	69.41		
143			447551.88	1346336.87
	55° 50' 42"	25.63		
144			447566.27	1346358.08
	52° 30' 15"	125.02		
145			447642.37	1346457.27
	62° 38' 24"	146.66		
146			447709.77	1346587.52
	41° 43' 34"	42.1		
147			447741.19	1346615.54
	12° 03' 15"	45.3		
148			447785.49	1346625
	356° 52' 30"	90.25		

149			447875.61	1346620.08
	343° 02' 23"	23.35		
150			447897.94	1346613.27
	324° 56' 32"	26.38		
151			447919.53	1346598.12
	301° 49' 55"	42.34		
152			447941.86	1346562.15
	300° 17' 33"	93.83		
153			447989.19	1346481.13
	283° 18' 37"	36.18		
154			447997.52	1346445.92
	267° 03' 08"	40.25		
155			447995.45	1346405.72
	226° 16' 59"	23.37		
156			447979.3	1346388.83
	307° 28' 37"	19.07		
157			447990.9	1346373.7
	302° 36' 02"	115.09		
158			448052.91	1346276.74
	328° 24' 57"	107.25		
159			448144.27	1346220.57
	37° 36' 47"	17.27		
160			448157.95	1346231.11
	88° 03' 52"	33.16		
161			448159.07	1346264.25
	81° 58' 34"	26.72		
162			448162.8	1346290.71
	89° 22' 22"	34.71		
163			448163.18	1346325.42
	111° 50' 13"	27.02		
164			448153.13	1346350.5
	99° 57' 32"	28.45		
165			448148.21	1346378.52
	111° 26' 14"	34.17		
166			448135.72	1346410.33
	156° 10' 18"	17.8		
167			448119.44	1346417.52
	0° 00' 00"	17.04		
168			448119.44	1346434.56
	44° 08' 30"	17.93		
169			448132.31	1346447.05
	40° 28' 51"	24.77		
170			448151.15	1346463.13
	27° 28' 38"	29.5		

171			448177.32	1346476.74
	35° 50' 34"	46.3		
172			448214.85	1346503.85
	50° 24' 08"	65.34		
173			448256.5	1346554.2
	79° 52' 46"	43.08		
174			448264.07	1346596.61
	53° 33' 39"	30.59		
175			448282.24	1346621.22
	25° 20' 31"	31.84		
176			448311.02	1346634.85
	46° 39' 36"	27.58		
177			448329.95	1346654.91
	122° 14' 42"	69.72		
178			448292.75	1346713.88
	177° 32' 54"	46.52		
179			448246.27	1346715.87
	179° 50' 30"	54.3		
180			448191.97	1346716.02
	138° 18' 47"	56.16		
181			448150.03	1346753.37
	106° 20' 40"	43		
182			448137.93	1346794.63
	128° 45' 23"	29.65		
183			448119.37	1346817.75
	157° 56' 27"	82.94		
184			448042.5	1346848.9
	186° 15' 21"	53.96		
185			447988.86	1346843.02
	184° 06' 06"	91.71		
186			447897.38	1346836.46
	181° 48' 54"	59.67		
187			447837.74	1346834.57
	150° 06' 02"	87.35		
188			447762.02	1346878.11
	111° 48' 09"	96.85		
189			447726.05	1346968.03
	108° 25' 43"	56.88		
190			447708.07	1347021.99
	144° 19' 50"	45.45		
191			447671.15	1347048.49
	94° 40' 46"	185.58		
192			447656.01	1347233.45
	97° 22' 46"	138.59		

193			447638.21	1347370.89
	120° 10' 26"	25.01		
194			447625.64	1347392.51
	165° 20' 07"	30.73		
195			447595.91	1347400.29
	185° 48' 38"	53.64		
196			447542.55	1347394.86
	177° 08' 54"	89.85		
197			447452.81	1347399.33
	170° 09' 52"	57.55		
198			447396.11	1347409.16
	145° 46' 26"	43.27		
199			447360.33	1347433.5
	162° 51' 45"	265.49		
200			447106.63	1347511.73
	166° 16' 09"	58.27		
201			447050.03	1347525.56
	65° 04' 14"	107.02		
202			447095.14	1347622.61
	61° 26' 25"	123.47		
203			447154.17	1347731.06
	85° 24' 05"	49.27		
204			447158.12	1347780.17
	102° 13' 37"	415.75		
205			447070.07	1348186.49
	148° 16' 43"	29.31		
206			447045.14	1348201.9
	54° 55' 53"	366.28		
207			447255.59	1348501.69
	88° 04' 46"	205		
208			447262.46	1348706.57
	88° 04' 52"	841.91		
209			447290.65	1349548.01
	337° 27' 26"	242.53		
210			447514.65	1349455.03
	336° 21' 17"	187.1		
211			447686.04	1349379.99
	337° 22' 20"	277.38		
212			447942.07	1349273.27
	69° 32' 57"	77.76		
213			447969.24	1349346.13
	97° 01' 36"	93.19		
214			447957.84	1349438.62
	79° 30' 03"	32.71		

215			447963.8	1349470.78
	62° 29' 19"	69.86		
216			447996.07	1349532.74
	97° 32' 50"	23.91		
217			447992.93	1349556.44
	103° 03' 10"	10.32		
218			447990.6	1349566.49
	121° 03' 41"	12.09		
219			447984.36	1349576.85
	123° 44' 13"	20.31		
220			447973.08	1349593.74
	141° 22' 14"	14.72		
221			447961.58	1349602.93
	148° 59' 42"	23.8		
222			447941.18	1349615.19
	151° 25' 53"	40.3		
223			447905.79	1349634.46
	149° 38' 42"	28.42		
224			447881.27	1349648.82
	137° 44' 05"	18.08		
225			447867.89	1349660.98
	71° 51' 41"	16.51		
226			447873.03	1349676.67
	33° 38' 43"	17.71		
227			447887.77	1349686.48
	32° 42' 34"	34.68		
228			447916.95	1349705.22
	41° 27' 37"	30.46		
229			447939.78	1349725.39
	60° 22' 29"	47.58		
230			447963.3	1349766.75
	69° 32' 55"	72.98		
231			447988.8	1349835.13
	83° 47' 32"	20.07		
232			447990.97	1349855.08
	90° 47' 05"	31.39		
233			447990.54	1349886.47
	138° 56' 57"	31.52		
234			447966.77	1349907.17
	155° 49' 28"	14.48		
235			447953.56	1349913.1
	163° 09' 38"	43.05		
236			447912.36	1349925.57
	162° 26' 20"	17		



237			447896.15	1349930.7
	134° 45' 33"	45.4		
238			447864.18	1349962.94
	94° 34' 08"	13.93		
239			447863.07	1349976.83
	95° 28' 58"	35.79		
240			447859.65	1350012.46
	90° 10' 30"	9.82		
241			447859.62	1350022.28
	76° 37' 18"	58.3		
242			447873.11	1350079
	56° 43' 13"	36.79		
243			447893.3	1350109.76
	349° 25' 12"	103.15		
244			447994.7	1350090.82
	4° 43' 08"	42.54		
245			448037.1	1350094.32
	57° 01' 02"	19.32		
246			448047.62	1350110.53
	76° 34' 25"	40.1		
247			448056.93	1350149.53
	99° 57' 43"	40.35		
248			448049.95	1350189.27
	108° 44' 27"	20.14		
249			448043.48	1350208.34
	99° 54' 59"	17.01		
250			448040.55	1350225.1
	106° 01' 43"	33.14		
251			448031.4	1350256.95
	37° 22' 14"	187.64		
252			448180.52	1350370.84
	81° 04' 29"	29.65		
253			448185.12	1350400.13
	107° 23' 28"	18.4		
254			448179.62	1350417.69
	108° 02' 24"	67.88		
255			448158.6	1350482.23
	103° 00' 18"	49.73		
256			448147.41	1350530.68
	107° 20' 10"	32.32		
257			448137.78	1350561.53
	119° 40' 03"	54.21		
258			448110.95	1350608.63
	118° 44' 50"	41.81		

259			448090.84	1350645.29
	66° 54' 02"	113.12		
260			448135.22	1350749.34
	110° 58' 30"	215.92		
261			448057.93	1350950.95
	108° 01' 52"	324.81		
262			447957.39	1351259.81
	99° 54' 07"	213.89		
263			447920.61	1351470.51
	60° 43' 41"	375.09		
264			448104.01	1351797.7
	58° 16' 00"	442.84		
265			448336.93	1352174.34
	44° 55' 43"	312.55		
266			448558.21	1352395.07
	42° 33' 56"	73.58		
267			448612.4	1352444.84
	47° 00' 47"	221.43		
268			448763.38	1352606.82
	139° 36' 17"	256.23		
269			448568.24	1352772.87
	138° 38' 34"	620.25		
270			448102.68	1353182.7
	136° 06' 10"	422.17		
271			447798.47	1353475.42
	136° 22' 03"	170.37		
272			447675.16	1353592.98
	137° 00' 39"	326.87		
273			447436.06	1353815.86
	134° 20' 50"	46.55		
274			447403.52	1353849.15
	137° 50' 55"	48.23		
275			447367.76	1353881.52
	136° 43' 56"	263.16		
276			447176.14	1354061.89
	136° 24' 52"	88.81		
277			447111.81	1354123.12
	136° 22' 33"	419.35		
278			446808.25	1354412.44
	137° 37' 08"	204.73		
279			446657.02	1354550.44
	141° 14' 03"	222.95		
280			446483.18	1354690.04
	140° 27' 31"	299.26		

281			446252.4	1354880.56
	143° 00' 50"	48.34		
282			446213.79	1354909.64
	142° 33' 15"	282.87		
283			445989.21	1355081.63
	135° 31' 32"	66.3		
284			445941.9	1355128.08
	135° 31' 02"	74.43		
285			445888.8	1355180.23
	139° 20' 03"	115.65		
286			445801.08	1355255.59
	134° 45' 15"	385.76		
287			445529.48	1355529.53
	134° 34' 55"	127.95		
288			445439.67	1355620.66
	134° 31' 31"	5.12		
289			445436.08	1355624.31
	134° 34' 37"	228.86		
290			445275.45	1355787.33
	134° 34' 24"	144.31		
291			445174.17	1355890.13
	135° 18' 54"	333.16		
292			444937.3	1356124.41
	136° 50' 17"	555.99		
293			444531.75	1356504.74
	139° 31' 19"	220.27		
294			444364.2	1356647.73
	141° 12' 03"	502.32		
295			443972.72	1356962.48
	137° 55' 52"	336.58		
296			443722.86	1357188
	140° 14' 15"	1.7		
297			443721.55	1357189.09
	139° 51' 29"	234.53		
298			443542.26	1357340.29
	139° 37' 10"	10.97		
299			443533.9	1357347.4
	134° 45' 13"	496.56		
300			443184.29	1357700.03
	134° 00' 53"	246.34		
301			443013.12	1357877.19
	134° 00' 54"	333.14		
302			442781.64	1358116.77
	149° 15' 02"	37.14		

303			442749.72	1358135.76
	149° 13' 15"	14.91		
304			442736.91	1358143.39
	149° 14' 46"	255.56		
305			442517.29	1358274.07
	147° 53' 53"	24.52		
306			442496.52	1358287.1
	148° 00' 41"	7.19		
307			442490.42	1358290.91
	147° 39' 38"	4		
308			442487.04	1358293.05
	152° 32' 07"	72.35		
309			442422.84	1358326.42
	157° 29' 47"	3.03		
310			442420.04	1358327.58
	149° 54' 20"	57.32		
311			442370.45	1358356.32
	150° 15' 18"	0.4		
312			442370.1	1358356.52
	151° 22' 20"	499.33		
313			441931.81	1358595.76
	141° 35' 43"	35.09		
314			441904.31	1358617.56
	133° 29' 48"	23.45		
315			441888.17	1358634.57
	133° 29' 08"	65.01		
316			441843.43	1358681.74
	126° 55' 29"	496.93		
317			441544.89	1359079
	123° 26' 21"	70.92		
318			441505.81	1359138.18
	123° 26' 53"	11.16		
319			441499.66	1359147.49
	126° 01' 00"	59.23		
320			441464.83	1359195.4
	132° 01' 32"	48.92		
321			441432.08	1359231.74
	132° 16' 04"	20.03		
322			441418.61	1359246.56
	132° 08' 15"	3.96		
323			441415.95	1359249.5
	132° 13' 28"	81.33		
324			441361.29	1359309.73
	125° 32' 54"	157.98		

325			441269.44	1359438.27
	127° 53' 43"	98.45		
326			441208.97	1359515.96
	116° 16' 23"	43.89		
327			441189.54	1359555.32
	86° 23' 59"	658.02		
328			441230.86	1360212.04
	87° 22' 54"	102.89		
329			441235.56	1360314.82
	93° 49' 29"	17.84		
330			441234.37	1360332.62
	122° 36' 20"	31.07		
331			441217.63	1360358.79
	150° 25' 26"	82.5		
332			441145.88	1360399.51
	150° 24' 33"	719.74		
333			440520.01	1360754.92
	150° 24' 36"	305.43		
334			440254.41	1360905.74
	150° 17' 25"	62.85		
335			440199.82	1360936.89
	149° 59' 42"	1.64		
336			440198.4	1360937.71
	150° 36' 01"	5.97		
337			440193.2	1360940.64
	150° 36' 02"	53.27		
338			440146.79	1360966.79
	150° 36' 14"	182.99		
339			439987.36	1361056.61
	150° 36' 09"	122.17		
340			439880.92	1361116.58
	150° 36' 00"	245.14		
341			439667.35	1361236.92
	150° 39' 00"	310.72		
342			439396.51	1361389.22
	149° 21' 22"	123.54		
343			439290.22	1361452.19
	149° 21' 21"	152.83		
344			439158.73	1361530.09
	152° 10' 00"	95.16		
345			439074.58	1361574.52
	152° 09' 58"	619.15		
346			438527.06	1361863.61
	152° 10' 23"	61.52		

347			438472.65	1361892.33
	152° 09' 20"	61.49		
348			438418.28	1361921.05
	152° 09' 34"	61.48		
349			438363.92	1361949.76
	152° 10' 11"	122.93		
350			438255.21	1362007.15
	152° 10' 06"	245.63		
351			438037.99	1362121.83
	152° 09' 58"	245.36		
352			437821.02	1362236.39
	152° 55' 41"	4.04		
353			437817.42	1362238.23
	151° 58' 20"	318.66		
354			437536.13	1362387.97
	151° 58' 16"	122.55		
355			437427.95	1362445.56
	152° 00' 13"	24.35		
356			437406.45	1362456.99
	151° 56' 30"	33.46		
357			437376.92	1362472.73
	151° 57' 56"	62.96		
358			437321.35	1362502.32
	151° 58' 26"	309.74		
359			437047.93	1362647.86
	152° 21' 17"	380.24		
360			436711.1	1362824.29
	151° 39' 07"	577.66		
361			436202.71	1363098.58
	151° 36' 45"	676.14		
362			435607.87	1363420.04
	153° 13' 31"	173.52		
363			435452.95	1363498.21
	144° 04' 56"	225.19		
364			435270.58	1363630.31
	145° 26' 48"	476.86		
365			434877.84	1363900.77
	146° 23' 42"	222.04		
366			434692.91	1364023.66
	147° 18' 09"	142.5		
367			434572.99	1364100.64
	146° 21' 15"	358.38		
368			434274.65	1364299.2
	146° 00' 18"	469.09		

369			433885.73	1364561.48
	147° 58' 12"	381.59		
370			433562.23	1364763.86
	147° 13' 54"	133.1		
371			433450.31	1364835.9
	149° 32' 07"	381.39		
372			433121.57	1365029.27
	153° 42' 29"	184.9		
373			432955.8	1365111.17
	156° 29' 14"	374.68		
374			432612.23	1365260.65
	155° 47' 00"	157.17		
375			432468.89	1365325.12
	154° 17' 39"	318.22		
376			432182.16	1365463.15
	156° 18' 00"	354.75		
377			431857.33	1365605.74
	155° 06' 00"	132.82		
378			431736.86	1365661.66
	155° 12' 00"	246.68		
379			431512.93	1365765.13
	153° 38' 25"	422.99		
380			431133.92	1365952.94
	153° 55' 45"	408.46		
381			430767.02	1366132.45
	155° 20' 53"	184.73		
382			430599.13	1366209.5
	156° 42' 48"	264.08		
383			430356.56	1366313.9
	157° 06' 53"	387.15		
384			429999.88	1366464.46
	156° 49' 29"	175.25		
385			429838.77	1366533.43
	159° 43' 13"	16.01		
386			429823.75	1366538.98
	159° 40' 05"	77.85		
387			429750.75	1366566.03
	158° 47' 10"	235.21		
388			429531.48	1366651.14
	158° 48' 39"	332.66		
389			429221.31	1366771.38
	157° 03' 17"	415.57		
390			428838.62	1366933.39
	155° 03' 10"	97.42		

391			428750.29	1366974.48
	156° 13' 01"	346.64		
392			428433.09	1367114.27
	154° 22' 23"	210.05		
393			428243.7	1367205.12
	153° 38' 15"	183.36		
394			428079.41	1367286.54
	154° 34' 40"	250.46		
395			427853.2	1367394.06
	154° 56' 14"	406.29		
396			427485.16	1367566.17
	153° 50' 15"	385.85		
397			427138.84	1367736.3
	154° 28' 45"	343.58		
398			426828.78	1367884.33
	153° 51' 02"	207.14		
399			426642.84	1367975.62
	156° 25' 01"	50.89		
400			426596.2	1367995.98
	156° 02' 31"	310.49		
401			426312.46	1368122.06
	154° 43' 38"	389.27		
402			425960.45	1368288.25
	157° 13' 02"	266.91		
403			425714.36	1368391.61
	116° 57' 54"	13.45		
404			425708.26	1368403.6
	116° 43' 47"	3.11		
405			425706.86	1368406.38
	168° 05' 46"	9.65		
406			425697.42	1368408.37
	159° 33' 19"	75.84		
407			425626.36	1368434.86
	156° 40' 31"	621.58		
408			425055.58	1368680.97
	157° 27' 21"	415.32		
409			424672	1368840.2
	156° 20' 14"	443.57		
410			424265.72	1369018.23
	156° 38' 25"	367.76		
411			423928.1	1369164.05
	156° 11' 02"	381.5		
412			423579.09	1369318.1
	159° 19' 32"	152.86		



413			423436.07	1369372.07
	157° 14' 50"	327.78		
414			423133.8	1369498.84
	161° 01' 50"	401.37		
415			422754.23	1369629.31
	216° 21' 36"	15.96		
416			422741.38	1369619.85
	218° 48' 12"	23.06		
417			422723.41	1369605.4
	227° 33' 27"	50.23		
418			422689.51	1369568.33
	232° 02' 55"	51.92		
419			422657.58	1369527.39
	243° 33' 08"	67.81		
420			422627.38	1369466.68
	338° 19' 56"	82.04		
421			422703.62	1369436.39
	253° 24' 25"	27.94		
422			422695.64	1369409.61
	214° 03' 43"	21.8		
423			422677.58	1369397.4
	269° 28' 29"	35.99		
424			422677.25	1369361.41
	266° 37' 49"	31.64		
425			422675.39	1369329.82
	268° 35' 11"	30		
426			422674.65	1369299.83
	270° 40' 31"	15.27		
427			422674.83	1369284.56
	314° 40' 58"	20.44		
428			422689.2	1369270.03
	286° 04' 45"	20		
429			422694.74	1369250.81
	255° 07' 16"	28.04		
430			422687.54	1369223.71
	223° 17' 02"	43.92		
431			422655.57	1369193.6
	228° 53' 01"	52.72		
432			422620.9	1369153.88
	181° 36' 51"	13.14		
433			422607.77	1369153.51
	165° 51' 13"	12.6		
434			422595.55	1369156.59
	148° 45' 11"	17.7		

435			422580.42	1369165.77
	131° 45' 55"	9.02		
436			422574.41	1369172.5
	108° 48' 00"	3.48		
437			422573.29	1369175.79
	133° 00' 51"	10.2		
438			422566.33	1369183.25
	142° 53' 30"	5.77		
439			422561.73	1369186.73
	170° 09' 47"	11.06		
440			422550.83	1369188.62
	199° 06' 03"	8.43		
441			422542.86	1369185.86
	231° 06' 27"	7.31		
442			422538.27	1369180.17
	251° 56' 33"	12.48		
443			422534.4	1369168.3
	249° 08' 55"	129.37		
444			422488.35	1369047.4
	248° 15' 50"	11.42		
445			422484.12	1369036.79
	259° 50' 15"	10.09		
446			422482.34	1369026.86
	272° 27' 48"	51.19		
447			422484.54	1368975.72
	247° 09' 59"	14.64		
448			422478.86	1368962.23
	255° 54' 00"	13.05		
449			422475.68	1368949.57
	268° 03' 14"	37.1		
450			422474.42	1368912.49
	266° 39' 23"	54.35		
451			422471.25	1368858.23
	274° 17' 24"	97.72		
452			422478.56	1368760.78
	280° 59' 32"	44.58		
453			422487.06	1368717.02
	264° 25' 36"	39.44		
454			422483.23	1368677.77
	269° 01' 39"	80.13		
455			422481.87	1368597.65
	277° 14' 31"	51.01		
456			422488.3	1368547.05
	271° 11' 27"	27.91		

457			422488.88	1368519.15
	268° 45' 27"	21.21		
458			422488.42	1368497.94
	263° 38' 56"	29.29		
459			422485.18	1368468.83
	279° 59' 36"	20.57		
460			422488.75	1368448.57
	307° 53' 55"	21.28		
461			422501.82	1368431.78
	317° 02' 50"	24.35		
462			422519.64	1368415.19
	312° 14' 43"	36.64		
463			422544.27	1368388.07
	301° 37' 22"	39.52		
464			422564.99	1368354.42
	273° 02' 27"	25.83		
465			422566.36	1368328.63
	279° 18' 49"	71		
466			422577.85	1368258.57
	288° 24' 57"	66.7		
467			422598.92	1368195.29
	306° 21' 23"	60.04		
468			422634.51	1368146.94
	338° 19' 59"	64.95		
469			422694.87	1368122.96
	327° 54' 24"	41.41		
470			422729.95	1368100.96
	309° 17' 17"	30.48		
471			422749.25	1368077.37
	322° 26' 12"	33.54		
472			422775.84	1368056.92
	303° 15' 34"	33.95		
473			422794.46	1368028.53
	261° 34' 15"	9.48		
474			422793.07	1368019.15
	261° 24' 29"	20.88		
475			422789.95	1367998.5
	287° 52' 59"	19.7		
476			422796	1367979.75
	300° 10' 59"	20.27		
477			422806.19	1367962.23
	312° 53' 52"	17.54		
478			422818.13	1367949.38
	317° 56' 25"	26.47		

479			422837.78	1367931.65
	340° 18' 05"	2.58		
480			422840.21	1367930.78
	340° 30' 20"	22.23		
481			422861.17	1367923.36
	357° 11' 55"	20.66		
482			422881.81	1367922.35
	284° 38' 56"	46.5		
483			422893.57	1367877.36
	272° 52' 23"	21.55		
484			422894.65	1367855.84
	276° 22' 33"	24.85		
485			422897.41	1367831.14
	290° 27' 50"	42.25		
486			422912.18	1367791.56
	290° 22' 54"	5.77		
487			422914.19	1367786.15
	290° 25' 14"	3.47		
488			422915.4	1367782.9
	286° 24' 01"	33.04		
489			422924.73	1367751.2
	220° 58' 43"	11.7		
490			422915.9	1367743.53
	220° 56' 26"	2.2		
491			422914.24	1367742.09
	220° 55' 05"	119.7		
492			422823.79	1367663.69
	242° 09' 32"	14.86		
493			422816.85	1367650.55
	242° 10' 44"	9.38		
494			422812.47	1367642.25
	222° 14' 13"	179.99		
495			422679.21	1367521.26
	222° 39' 40"	250.73		
496			422494.83	1367351.35
	222° 30' 51"	265.58		
497			422299.07	1367171.88
	222° 37' 49"	410.96		
498			421996.71	1366893.55
	223° 11' 24"	282.76		
499			421790.55	1366700.02
	223° 33' 15"	127.8		
500			421697.93	1366611.96
	202° 04' 50"	2.29		

501			421695.81	1366611.1
	223° 00' 47"	6.93		
502			421690.74	1366606.37
	222° 38' 32"	441.03		
503			421366.32	1366307.61
	222° 07' 28"	143.35		
504			421260	1366211.46
	224° 04' 42"	421.96		
505			420956.87	1365917.93
	223° 59' 10"	501.9		
506			420595.75	1365569.37
	222° 42' 02"	199.85		
507			420448.88	1365433.84
	222° 16' 31"	171.21		
508			420322.2	1365318.67
	224° 50' 05"	272.16		
509			420129.2	1365126.78
	218° 44' 17"	28.59		
510			420106.9	1365108.89
	222° 33' 53"	398.54		
511			419813.37	1364839.31
	223° 39' 16"	437.25		
512			419497.01	1364537.47
	223° 29' 19"	413.9		
513			419196.72	1364252.62
	232° 38' 15"	27.45		
514			419180.06	1364230.8
	223° 05' 19"	490.57		
515			418821.8	1363895.68
	222° 52' 40"	504.65		
516			418451.99	1363552.3
	223° 30' 12"	417.49		
517			418149.17	1363264.9
	222° 28' 40"	107.49		
518			418069.89	1363192.31
	222° 33' 42"	157.56		
519			417953.84	1363085.74
	222° 40' 19"	182.61		
520			417819.58	1362961.97
	222° 29' 04"	454.32		
521			417484.54	1362655.13
	222° 48' 17"	100.97		
522			417410.46	1362586.52
	222° 50' 57"	195.19		

523			417267.36	1362453.78
	222° 50' 16"	621.64		
524			416811.52	1362031.11
	222° 50' 01"	109.43		
525			416731.27	1361956.71
	222° 50' 17"	347.51		
526			416476.45	1361720.43
	222° 50' 14"	359.57		
527			416212.78	1361475.95
	222° 50' 17"	110.03		
528			416132.1	1361401.14
	223° 20' 28"	68.14		
529			416082.54	1361354.37
	223° 25' 06"	30.74		
530			416060.21	1361333.24
	225° 18' 17"	147.61		
531			415956.39	1361228.31
	225° 18' 25"	77.85		
532			415901.64	1361172.97
	225° 18' 54"	311.2		
533			415682.8	1360951.71
	225° 13' 04"	636.29		
534			415234.59	1360500.08
	347° 35' 36"	39.14		
535			415272.82	1360491.67
	358° 40' 47"	38.19		
536			415311	1360490.79
	9° 09' 04"	79.92		
537			415389.9	1360503.5
	7° 22' 17"	72.72		
538			415462.02	1360512.83
	2° 09' 08"	45.8		
539			415507.79	1360514.55
	348° 03' 43"	28.62		
540			415535.79	1360508.63
	325° 56' 02"	72.7		
541			415596.01	1360467.91
	310° 36' 05"	46.93		
542			415626.55	1360432.28
	292° 47' 09"	45.93		
543			415644.34	1360389.93
	274° 29' 45"	43.37		
544			415647.74	1360346.69
	257° 28' 39"	39.11		

545			415639.26	1360308.51
	233° 56' 45"	34.42		
546			415619	1360280.68
	220° 49' 16"	29.11		
547			415596.97	1360261.65
	254° 51' 32"	5.28		
548			415595.59	1360256.55
	254° 48' 54"	9.32		
549			415593.15	1360247.56
	296° 47' 17"	14.93		
550			415599.88	1360234.23
	306° 35' 41"	24.57		
551			415614.53	1360214.5
	335° 01' 59"	22.13		
552			415634.59	1360205.16
	355° 33' 19"	47.74		
553			415682.19	1360201.46
	346° 48' 56"	29.86		
554			415711.26	1360194.65
	336° 30' 37"	20.92		
555			415730.45	1360186.31
	319° 39' 09"	43.33		
556			415763.47	1360158.26
	318° 23' 12"	61.41		
557			415809.38	1360117.48
	314° 13' 46"	46.28		
558			415841.66	1360084.32
	290° 13' 53"	34.9		
559			415853.73	1360051.57
	282° 10' 43"	33.37		
560			415860.77	1360018.95
	243° 03' 54"	22.85		
561			415850.42	1359998.58
	226° 05' 46"	17		
562			415838.63	1359986.33
	201° 59' 46"	18.58		
563			415821.4	1359979.37
	233° 39' 54"	18.21		
564			415810.61	1359964.7
	176° 58' 11"	17.21		
565			415793.42	1359965.61
	271° 11' 01"	22.75		
566			415793.89	1359942.86
	239° 07' 38"	37.81		

567			415774.49	1359910.41
	206° 36' 52"	25.98		
568			415751.26	1359898.77
	202° 52' 30"	33.7		
569			415720.21	1359885.67
	220° 15' 17"	16.5		
570			415707.62	1359875.01
	195° 03' 03"	24.11		
571			415684.34	1359868.75
	219° 37' 58"	14.44		
572			415673.22	1359859.54
	243° 58' 16"	21.03		
573			415663.99	1359840.64
	212° 52' 19"	19.62		
574			415647.51	1359829.99
	209° 13' 32"	18.88		
575			415631.03	1359820.77
	262° 23' 48"	21.99		
576			415628.12	1359798.97
	189° 34' 27"	11.78		
577			415616.5	1359797.01
	279° 52' 16"	22.57		
578			415620.37	1359774.77
	271° 40' 06"	32.97		
579			415621.33	1359741.81
	260° 47' 40"	39.26		
580			415615.05	1359703.06
	261° 11' 43"	47.56		
581			415607.77	1359656.06
	287° 16' 56"	30.97		
582			415616.97	1359626.49
	273° 08' 05"	26.7		
583			415618.43	1359599.83
	260° 15' 48"	28.5		
584			415613.61	1359571.74
	284° 53' 14"	30.05		
585			415621.33	1359542.7
	290° 46' 40"	34.19		
586			415633.46	1359510.73
	311° 07' 40"	61.15		
587			415673.68	1359464.67
	305° 08' 00"	21.91		
588			415686.29	1359446.75
	271° 50' 03"	15		



589			415686.77	1359431.76
	243° 26' 59"	17.36		
590			415679.01	1359416.23
	273° 13' 05"	17.46		
591			415679.99	1359398.8
	310° 01' 41"	15.83		
592			415690.17	1359386.68
	298° 12' 37"	15.42		
593			415697.46	1359373.09
	257° 41' 04"	29.72		
594			415691.12	1359344.05
	313° 51' 37"	66.47		
595			415737.18	1359296.12
	303° 40' 54"	38.44		
596			415758.5	1359264.13
	265° 46' 06"	13.15		
597			415757.53	1359251.02
	309° 20' 10"	79.53		
598			415807.94	1359189.51
	272° 14' 25"	37.35		
599			415809.4	1359152.19
	286° 00' 39"	72.08		
600			415829.28	1359082.91
	285° 09' 23"	77.8		
601			415849.62	1359007.82
	281° 08' 09"	25.16		
602			415854.48	1358983.13
	247° 26' 27"	34.12		
603			415841.39	1358951.62
	227° 07' 36"	43.64		
604			415811.7	1358919.64
	205° 30' 41"	18.97		
605			415794.58	1358911.47
	166° 02' 37"	12.19		
606			415782.75	1358914.41
	143° 57' 01"	13.14		
607			415772.13	1358922.14
	143° 55' 26"	13.86		
608			415760.93	1358930.3
	158° 35' 23"	23.94		
609			415738.64	1358939.04
	191° 40' 26"	31.19		
610			415708.1	1358932.73
	209° 49' 21"	96.96		

611			415623.98	1358884.51
	216° 53' 32"	92.4		
612			415550.08	1358829.04
	227° 09' 02"	45.6		
613			415519.07	1358795.61
	217° 09' 21"	35.28		
614			415490.95	1358774.3
	210° 57' 18"	22.61		
615			415471.56	1358762.67
	223° 47' 12"	65.12		
616			415424.55	1358717.61
	207° 12' 28"	37.07		
617			415391.58	1358700.66
	187° 25' 43"	67.45		
618			415324.7	1358691.94
	175° 32' 54"	44.84		
619			415280	1358695.42
	150° 18' 14"	46.75		
620			415239.39	1358718.58
	143° 49' 48"	55.83		
621			415194.32	1358751.53
	145° 58' 42"	45.04		
622			415156.99	1358776.73
	162° 01' 07"	20.38		
623			415137.61	1358783.02
	200° 45' 40"	15.04		
624			415123.55	1358777.69
	234° 18' 02"	46.51		
625			415096.41	1358739.92
	239° 17' 54"	75.01		
626			415058.11	1358675.42
	232° 09' 30"	30.07		
627			415039.66	1358651.67
	206° 18' 55"	50.26		
628			414994.61	1358629.39
	200° 29' 26"	42.94		
629			414954.39	1358614.36
	215° 21' 21"	41.03		
630			414920.93	1358590.62
	207° 19' 12"	30.55		
631			414893.79	1358576.6
	190° 27' 58"	29.56		
632			414864.72	1358571.23
	176° 17' 05"	52.47		

633			414812.36	1358574.63
	186° 04' 42"	27.29		
634			414785.22	1358571.74
	219° 47' 49"	34.07		
635			414759.04	1358549.93
	232° 08' 23"	44.2		
636			414731.91	1358515.03
	210° 38' 22"	36.07		
637			414700.88	1358496.65
	200° 08' 59"	19.97		
638			414682.13	1358489.77
	260° 36' 41"	56.21		
639			414672.96	1358434.31
	282° 39' 05"	32.42		
640			414680.06	1358402.68
	295° 49' 46"	17.76		
641			414687.8	1358386.69
	315° 35' 52"	30.5		
642			414709.59	1358365.35
	324° 50' 43"	30.27		
643			414734.34	1358347.92
	292° 16' 53"	31.91		
644			414746.44	1358318.39
	268° 45' 16"	44.62		
645			414745.47	1358273.78
	360° 00' 00"	54.73		
646			414745.47	1358219.05
	268° 41' 52"	43.12		
647			414744.49	1358175.94
	287° 50' 45"	42.75		
648			414757.59	1358135.25
	275° 44' 11"	48.72		
649			414762.46	1358086.77
	261° 59' 21"	80.22		
650			414751.28	1358007.33
	250° 13' 02"	57.14		
651			414731.94	1357953.56
	240° 53' 03"	29.94		
652			414717.37	1357927.4
	217° 26' 00"	46.99		
653			414680.06	1357898.84
	196° 07' 46"	41.9		
654			414639.81	1357887.2
	188° 13' 44"	45.06		

655			414595.21	1357880.75
	164° 10' 49"	41.3		
656			414555.47	1357892.01
	166° 57' 50"	16.54		
657			414539.36	1357895.74
	114° 40' 30"	24.41		
658			414529.17	1357917.92
	117° 34' 22"	24.41		
659			414517.87	1357939.56
	100° 23' 27"	30.44		
660			414512.38	1357969.5
	144° 13' 19"	18.58		
661			414497.31	1357980.36
	189° 48' 34"	20.07		
662			414477.53	1357976.94
	224° 43' 49"	30.05		
663			414456.18	1357955.79
	219° 15' 26"	46.43		
664			414420.23	1357926.41
	219° 43' 32"	78.77		
665			414359.65	1357876.07
	216° 18' 22"	88.41		
666			414288.4	1357823.72
	213° 40' 17"	59.39		
667			414238.97	1357790.79
	214° 09' 01"	63.86		
668			414186.12	1357754.94
	213° 53' 46"	25.44		
669			414165	1357740.75
	254° 06' 15"	17.49		
670			414160.21	1357723.93
	287° 06' 31"	14.62		
671			414164.51	1357709.96
	319° 47' 43"	32.9		
672			414189.64	1357688.72
	326° 55' 00"	26.71		
673			414212.02	1357674.14
	279° 15' 51"	12.36		
674			414214.01	1357661.94
	266° 17' 27"	15.61		
675			414213	1357646.36
	233° 29' 25"	30.22		
676			414195.02	1357622.07
	211° 27' 43"	28.61		

677			414170.62	1357607.14
	235° 31' 46"	41.13		
678			414147.34	1357573.23
	268° 32' 43"	37.81		
679			414146.38	1357535.43
	283° 12' 15"	23.38		
680			414151.72	1357512.67
	323° 17' 40"	18.82		
681			414166.81	1357501.42
	331° 11' 59"	35.89		
682			414198.26	1357484.13
	310° 43' 06"	37.13		
683			414222.48	1357455.99
	282° 16' 12"	22.82		
684			414227.33	1357433.69
	272° 20' 58"	35.37		
685			414228.78	1357398.35
	239° 02' 36"	14.13		
686			414221.51	1357386.23
	188° 25' 22"	29.9		
687			414191.93	1357381.85
	149° 40' 57"	18.25		
688			414176.18	1357391.06
	190° 03' 00"	11.06		
689			414165.29	1357389.13
	211° 15' 54"	13.04		
690			414154.14	1357382.36
	250° 31' 42"	26.22		
691			414145.4	1357357.64
	268° 01' 25"	28.13		
692			414144.43	1357329.53
	261° 13' 43"	48.4		
693			414137.05	1357281.7
	257° 28' 58"	26.81		
694			414131.24	1357255.53
	222° 17' 41"	36.7		
695			414104.09	1357230.83
	267° 21' 58"	9.14		
696			414103.67	1357221.7
	225° 50' 18"	76.84		
697			414050.14	1357166.58
	258° 18' 27"	31.43		
698			414043.77	1357135.8
	259° 53' 51"	17.22		

699			414040.75	1357118.85
	293° 57' 45"	14.87		
700			414046.79	1357105.26
	327° 04' 13"	18.6		
701			414062.4	1357095.15
	334° 08' 01"	18.34		
702			414078.9	1357087.15
	8° 12' 41"	26.89		
703			414105.51	1357090.99
	14° 21' 14"	25.82		
704			414130.52	1357097.39
	321° 55' 49"	22.44		
705			414148.19	1357083.55
	292° 08' 03"	40.29		
706			414163.37	1357046.23
	230° 29' 24"	24.32		
707			414147.9	1357027.47
	198° 19' 06"	42		
708			414108.03	1357014.27
	211° 43' 30"	40.53		
709			414073.56	1356992.96
	227° 27' 50"	23.36		
710			414057.77	1356975.75
	244° 51' 42"	42.21		
711			414039.84	1356937.54
	245° 34' 33"	43.34		
712			414021.92	1356898.08
	231° 22' 08"	28.11		
713			414004.37	1356876.12
	214° 16' 51"	21.25		
714			413986.81	1356864.15
	190° 15' 50"	27.61		
715			413959.64	1356859.23
	173° 12' 36"	29.27		
716			413930.58	1356862.69
	158° 52' 32"	32.21		
717			413900.53	1356874.3
	155° 44' 11"	60.69		
718			413845.2	1356899.24
	181° 21' 16"	23.27		
719			413821.94	1356898.69
	189° 00' 01"	24.67		
720			413797.57	1356894.83
	178° 44' 02"	13.12		

721			413784.45	1356895.12
	168° 49' 13"	18.98		
722			413765.83	1356898.8
	160° 53' 52"	16.84		
723			413749.92	1356904.31
	136° 43' 26"	33.38		
724			413725.62	1356927.19
	151° 32' 42"	26.17		
725			413702.61	1356939.66
	169° 19' 23"	20.24		
726			413682.72	1356943.41
	189° 35' 45"	15.54		
727			413667.4	1356940.82
	210° 22' 00"	17.94		
728			413651.92	1356931.75
	239° 55' 42"	17.4		
729			413643.2	1356916.69
	262° 56' 41"	21.41		
730			413640.57	1356895.44
	270° 04' 58"	34.56		
731			413640.62	1356860.88
	238° 34' 02"	34.78		
732			413622.48	1356831.2
	224° 10' 13"	81.06		
733			413564.34	1356774.72
	244° 12' 02"	25.44		
734			413553.27	1356751.82
	241° 16' 45"	34.36		
735			413536.76	1356721.69
	230° 51' 02"	48.97		
736			413505.84	1356683.71
	227° 10' 12"	52.66		
737			413470.04	1356645.09
	220° 33' 25"	46.37		
738			413434.81	1356614.94
	220° 01' 54"	48.66		
739			413397.55	1356583.64
	205° 56' 21"	35.62		
740			413365.52	1356568.06
	178° 18' 30"	37.94		
741			413327.6	1356569.18
	169° 50' 08"	29.92		
742			413298.15	1356574.46
	148° 18' 31"	26.88		

743			413275.28	1356588.58
	154° 33' 56"	55.3		
744			413225.34	1356612.33
	159° 27' 19"	41.4		
745			413186.57	1356626.86
	171° 46' 58"	37.22		
746			413149.73	1356632.18
	159° 21' 29"	28.08		
747			413123.45	1356642.08
	159° 26' 30"	28.08		
748			413097.16	1356651.94
	186° 11' 11"	51.87		
749			413045.59	1356646.35
	184° 32' 02"	2.28		
750			413043.32	1356646.17
	184° 19' 41"	56.71		
751			412986.77	1356641.89
	184° 17' 55"	199.98		
752			412787.35	1356626.9
	184° 18' 16"	134.7		
753			412653.03	1356616.79
	185° 30' 03"	375.65		
754			412279.11	1356580.78
	190° 32' 31"	447.59		
755			411839.07	1356498.89
	190° 31' 20"	28.53		
756			411811.02	1356493.68
	235° 23' 25"	14.86		
757			411802.58	1356481.45
	186° 12' 59"	26.6		
758			411776.14	1356478.57
	186° 14' 03"	87.67		
759			411688.99	1356469.05
	191° 16' 39"	62.28		
760			411627.91	1356456.87
	168° 50' 57"	21.2		
761			411607.11	1356460.97
	186° 42' 38"	165.16		
762			411443.08	1356441.67
	189° 17' 37"	178.21		
763			411267.21	1356412.89
	192° 30' 44"	209.65		
764			411062.54	1356367.47
	186° 12' 28"	286.03		



765			410778.19	1356336.54
	177° 07' 21"	17.13		
766			410761.08	1356337.4
	136° 51' 44"	50.49		
767			410724.24	1356371.92
	133° 37' 00"	125.07		
768			410637.96	1356462.47
	133° 27' 32"	269.22		
769			410452.78	1356657.89
	134° 14' 26"	45.35		
770			410421.14	1356690.38
	133° 22' 10"	38.02		
771			410395.03	1356718.02
	186° 12' 30"	12.48		
772			410382.62	1356716.67
	181° 47' 34"	136.5		
773			410246.19	1356712.4
	184° 05' 45"	96.61		
774			410149.83	1356705.5
	176° 33' 33"	23.49		
775			410126.38	1356706.91
	167° 39' 56"	34.88		
776			410092.31	1356714.36
	170° 38' 07"	52.11		
777			410040.89	1356722.84
	127° 29' 22"	42.36		
778			410015.11	1356756.45
	130° 00' 25"	308.39		
779			409816.85	1356992.67
	186° 34' 05"	140.58		
780			409677.19	1356976.59
	187° 52' 41"	119.65		
781			409558.67	1356960.19
	89° 53' 28"	68.44		
782			409558.8	1357028.63
	94° 45' 55"	63.08		
783			409553.56	1357091.49
	107° 08' 43"	78.26		
784			409530.49	1357166.27
	124° 24' 07"	127.45		
785			409458.48	1357271.43
	128° 23' 54"	80.39		
786			409408.55	1357334.43
	110° 15' 38"	57.18		

787			409388.75	1357388.07
	98° 47' 38"	65.67		
788			409378.71	1357452.97
	94° 49' 43"	60.71		
789			409373.6	1357513.46
	110° 14' 55"	39.47		
790			409359.94	1357550.49
	97° 37' 35"	31.04		
791			409355.82	1357581.26
	114° 39' 43"	19.8		
792			409347.56	1357599.25
	155° 03' 42"	25.99		
793			409323.99	1357610.21
	139° 19' 23"	17.26		
794			409310.9	1357621.46
	123° 08' 51"	16.7		
795			409301.77	1357635.44
	114° 12' 28"	50.02		
796			409281.26	1357681.06
	107° 36' 09"	14.58		
797			409276.85	1357694.96
	94° 51' 31"	31.05		
798			409274.22	1357725.9
	91° 15' 19"	32.41		
799			409273.51	1357758.3
	100° 00' 08"	17.45		
800			409270.48	1357775.48
	107° 14' 18"	18.02		
801			409265.14	1357792.69
	116° 16' 36"	20.44		
802			409256.09	1357811.02
	131° 00' 55"	21.17		
803			409242.2	1357826.99
	123° 41' 56"	18.01		
804			409232.21	1357841.97
	108° 18' 09"	16.4		
805			409227.06	1357857.54
	82° 46' 06"	46.63		
806			409232.93	1357903.8
	110° 19' 40"	80.23		
807			409205.06	1357979.03
	121° 09' 12"	56.02		
808			409176.08	1358026.97
	74° 29' 25"	68.85		

809			409194.49	1358093.31
	104° 29' 57"	43.82		
810			409183.52	1358135.73
	82° 05' 29"	35.83		
811			409188.45	1358171.22
	75° 59' 37"	51.15		
812			409200.83	1358220.85
	46° 52' 32"	84.48		
813			409258.58	1358282.51
	66° 30' 34"	56.45		
814			409281.08	1358334.28
	55° 15' 21"	81.85		
815			409327.73	1358401.54
	69° 08' 17"	86.4		
816			409358.5	1358482.28
	58° 53' 09"	20.92		
817			409369.31	1358500.19
	35° 44' 25"	22.02		
818			409387.18	1358513.05
	45° 36' 05"	21.55		
819			409402.26	1358528.45
	108° 16' 55"	81.64		
820			409376.65	1358605.97
	108° 34' 15"	51.97		
821			409360.1	1358655.23
	100° 34' 22"	107.64		
822			409340.35	1358761.04
	100° 21' 38"	450.17		
823			409259.39	1359203.87
	42° 33' 33"	7.97		
824			409265.26	1359209.26
	101° 21' 06"	77.83		
825			409249.94	1359285.57
	190° 27' 53"	5.45		
826			409244.58	1359284.58
	100° 38' 19"	96.09		
827			409226.84	1359379.02
	100° 22' 32"	204.06		
828			409190.09	1359579.74
	106° 31' 39"	232.01		
829			409124.09	1359802.16
	106° 09' 34"	264.81		
830			409050.39	1360056.51
	105° 19' 44"	502.01		

831			408917.68	1360540.66
	104° 44' 18"	456.44		
832			408801.56	1360982.08
	103° 59' 37"	111.04		
833			408774.71	1361089.82
	109° 30' 36"	156.42		
834			408722.47	1361237.26
	225° 16' 07"	437.49		
835			408414.57	1360926.46
	225° 14' 12"	29.11		
836			408394.07	1360905.79
	235° 14' 48"	253.21		
837			408249.73	1360697.75
	236° 28' 14"	185.93		
838			408147.03	1360542.76
	236° 37' 36"	249.36		
839			408009.86	1360334.52
	238° 57' 35"	227.43		
840			407892.59	1360139.66
	242° 19' 02"	79.32		
841			407855.74	1360069.42
	247° 25' 14"	267.6		
842			407752.99	1359822.33
	248° 35' 24"	284.11		
843			407649.28	1359557.83
	249° 10' 38"	66.87		
844			407625.51	1359495.33
	245° 54' 40"	62.62		
845			407599.95	1359438.16
	247° 29' 47"	7.58		
846			407597.05	1359431.16
	248° 00' 25"	154.4		
847			407539.23	1359288
	247° 13' 09"	212.83		
848			407456.82	1359091.77
	247° 22' 29"	180.04		
849			407387.56	1358925.59
	242° 50' 34"	237.95		
850			407278.95	1358713.87
	245° 23' 56"	184.92		
851			407201.97	1358545.74
	241° 49' 45"	404.38		
852			407011.06	1358189.26
	237° 09' 05"	115.39		

853			406948.47	1358092.32
	242° 18' 04"	97.18		
854			406903.3	1358006.28
	244° 03' 18"	245.91		
855			406795.71	1357785.15
	245° 38' 06"	410.76		
856			406626.25	1357410.97
	247° 38' 49"	91.82		
857			406591.33	1357326.05
	247° 15' 06"	85.06		
858			406558.44	1357247.61
	248° 06' 33"	55.87		
859			406537.61	1357195.77
	248° 35' 28"	136.6		
860			406487.75	1357068.6
	263° 12' 09"	116.26		
861			406473.99	1356953.16
	273° 31' 26"	78.91		
862			406478.84	1356874.4
	305° 36' 35"	60.11		
863			406513.84	1356825.53
	312° 17' 10"	93.49		
864			406576.74	1356756.37
	300° 42' 35"	121.41		
865			406638.74	1356651.99
	301° 51' 05"	62.32		
866			406671.63	1356599.05
	321° 37' 31"	20.41		
867			406687.63	1356586.38
	260° 04' 19"	59.04		
868			406677.45	1356528.22
	260° 10' 06"	246.44		
869			406635.37	1356285.4
	196° 35' 17"	57.3		
870			406580.45	1356269.04
	216° 22' 13"	61.92		
871			406530.59	1356232.32
	160° 24' 12"	92.19		
872			406443.74	1356263.24
	173° 54' 57"	45.48		
873			406398.52	1356268.06
	258° 17' 21"	150.51		
874			406367.97	1356120.68
	257° 32' 38"	62.45		

875			406354.5	1356059.7
	250° 07' 45"	239.51		
876			406273.09	1355834.45
	250° 47' 57"	42.11		
877			406259.24	1355794.68
	249° 52' 06"	126.45		
878			406215.72	1355675.96
	250° 27' 39"	151.29		
879			406165.12	1355533.38
	248° 40' 43"	205.28		
880			406090.48	1355342.15
	249° 33' 36"	299.01		
881			405986.06	1355061.97
	248° 51' 08"	233.25		
882			405901.91	1354844.43
	252° 42' 17"	57.08		
883			405884.94	1354789.93
	154° 46' 42"	74.39		
884			405817.64	1354821.63
	154° 45' 11"	21.97		
885			405797.77	1354831
	161° 44' 51"	96.33		
886			405706.29	1354861.17
	161° 24' 56"	193.97		
887			405522.43	1354922.99
	162° 21' 27"	220.87		
888			405311.95	1354989.93
	162° 08' 53"	105.33		
889			405211.69	1355022.22
	160° 44' 07"	382.81		
890			404850.32	1355148.52
	160° 31' 46"	375.1		
891			404496.67	1355273.55
	160° 02' 59"	165.15		
892			404341.43	1355329.9
	160° 32' 44"	259.69		
893			404096.57	1355416.39
	159° 58' 29"	171.36		
894			403935.57	1355475.07
	155° 12' 41"	251.01		
895			403707.69	1355580.31
	157° 43' 51"	69.85		
896			403643.05	1355606.78
	160° 13' 11"	248.22		

897			403409.48	1355690.78
	159° 34' 54"	171.41		
898			403248.84	1355750.58
	161° 01' 07"	192.98		
899			403066.35	1355813.35
	161° 34' 17"	252.81		
900			402826.5	1355893.27
	163° 44' 02"	336.42		
901			402503.55	1355987.5
	161° 20' 49"	211.01		
902			402303.62	1356054.99
	161° 34' 43"	360.28		
903			401961.8	1356168.84
	162° 49' 57"	28.59		
904			401934.48	1356177.28
	156° 52' 01"	18.38		
905			401917.58	1356184.5
	162° 46' 18"	589.81		
906			401354.23	1356359.19
	167° 10' 46"	627.68		
907			400742.2	1356498.47
	130° 35' 10"	263.96		
908			400570.47	1356698.93
	128° 38' 32"	294.05		
909			400386.85	1356928.6
	128° 31' 48"	366.35		
910			400158.64	1357215.19
	127° 55' 59"	760.74		
911			399690.98	1357815.21
	124° 49' 31"	89.02		
912			399640.14	1357888.29
	208° 26' 48"	45.49		
913			399600.14	1357866.62
	197° 01' 10"	69.25		
914			399533.92	1357846.35
	179° 07' 28"	98.83		
915			399435.1	1357847.86
	175° 31' 20"	90.56		
916			399344.82	1357854.93
	173° 19' 31"	96.88		
917			399248.6	1357866.19
	174° 35' 27"	65.98		
918			399182.91	1357872.41
	141° 00' 52"	23.89		

919			399164.34	1357887.44
	172° 59' 09"	17.93		
920			399146.54	1357889.63
	204° 36' 14"	41.82		
921			399108.52	1357872.22
	162° 47' 56"	20.56		
922			399088.88	1357878.3
	108° 16' 26"	16.87		
923			399083.59	1357894.32
	106° 11' 34"	14.63		
924			399079.51	1357908.37
	115° 52' 23"	72.21		
925			399048	1357973.34
	100° 58' 25"	61.15		
926			399036.36	1358033.37
	115° 03' 35"	41.2		
927			399018.91	1358070.69
	109° 45' 05"	27.25		
928			399009.7	1358096.34
	100° 17' 01"	43.36		
929			399001.96	1358139
	84° 11' 14"	17.87		
930			399003.77	1358156.78
	105° 10' 30"	35.15		
931			398994.57	1358190.7
	128° 11' 17"	34.52		
932			398973.23	1358217.83
	134° 28' 06"	37.34		
933			398947.07	1358244.48
	161° 00' 27"	32.82		
934			398916.04	1358255.16
	133° 34' 29"	59.13		
935			398875.28	1358298
	127° 07' 07"	46.51		
936			398847.21	1358335.09
	133° 05' 14"	30.51		
937			398826.37	1358357.37
	159° 32' 51"	38.81		
938			398790.01	1358370.93
	148° 18' 19"	19.36		
939			398773.54	1358381.1
	153° 25' 42"	39.03		
940			398738.63	1358398.56
	170° 21' 37"	66.35		



941			398673.22	1358409.67
	169° 43' 12"	51.72		
942			398622.33	1358418.9
	178° 43' 17"	23.31		
943			398599.03	1358419.42
	190° 54' 49"	20.7		
944			398578.7	1358415.5
	230° 48' 40"	26.89		
945			398561.71	1358394.66
	216° 48' 57"	16.94		
946			398548.15	1358384.51
	171° 16' 40"	25.45		
947			398522.99	1358388.37
	163° 16' 45"	20.3		
948			398503.55	1358394.21
	190° 14' 24"	30.04		
949			398473.99	1358388.87
	206° 08' 55"	30.77		
950			398446.37	1358375.31
	180° 04' 05"	25.22		
951			398421.15	1358375.28
	146° 27' 26"	37.77		
952			398389.67	1358396.15
	150° 44' 32"	17.8		
953			398374.14	1358404.85
	179° 04' 08"	29.53		
954			398344.61	1358405.33
	216° 58' 08"	37.05		
955			398315.01	1358383.05
	179° 33' 36"	5.21		
956			398309.8	1358383.09
	204° 55' 33"	11.41		
957			398299.45	1358378.28
	165° 47' 10"	23.46		
958			398276.71	1358384.04
	127° 34' 54"	23.82		
959			398262.18	1358402.92
	126° 01' 16"	32.94		
960			398242.81	1358429.56
	153° 03' 33"	32.05		
961			398214.24	1358444.08
	131° 58' 35"	19.57		
962			398201.15	1358458.63
	83° 16' 39"	28.79		

963			398204.52	1358487.22
	94° 10' 40"	19.9		
964			398203.07	1358507.07
	125° 26' 51"	18.45		
965			398192.37	1358522.1
	164° 07' 09"	31.72		
966			398161.86	1358530.78
	150° 48' 31"	28.89		
967			398136.64	1358544.87
	133° 27' 56"	38.03		
968			398110.48	1358572.47
	128° 11' 27"	34.53		
969			398089.13	1358599.61
	134° 30' 00"	42.15		
970			398059.59	1358629.67
	133° 46' 33"	29.46		
971			398039.21	1358650.94
	142° 36' 56"	23.16		
972			398020.81	1358665
	161° 52' 33"	32.66		
973			397989.77	1358675.16
	133° 08' 31"	42.53		
974			397960.69	1358706.19
	125° 29' 24"	51.74		
975			397930.65	1358748.32
	149° 18' 02"	51.3		
976			397886.54	1358774.51
	128° 27' 28"	35.87		
977			397864.23	1358802.6
	116° 54' 03"	71.72		
978			397831.78	1358866.56
	125° 20' 07"	24.34		
979			397817.7	1358886.42
	162° 52' 18"	27.88		
980			397791.06	1358894.63
	149° 03' 13"	28.27		
981			397766.81	1358909.17
	125° 41' 03"	38.18		
982			397744.54	1358940.18
	132° 59' 46"	19.21		
983			397731.44	1358954.23
	162° 21' 03"	54.42		
984			397679.58	1358970.73
	156° 24' 11"	42.32		

985			397640.8	1358987.67
	181° 15' 35"	44.12		
986			397596.69	1358986.7
	181° 03' 06"	52.85		
987			397543.85	1358985.73
	172° 12' 06"	35.67		
988			397508.51	1358990.57
	171° 38' 31"	46.57		
989			397462.43	1358997.34
	189° 53' 38"	61.98		
990			397401.37	1358986.69
	203° 41' 34"	69.88		
991			397337.38	1358958.61
	203° 28' 36"	56.03		
992			397285.99	1358936.29
	189° 50' 43"	31		
993			397255.45	1358930.99
	168° 35' 01"	31.63		
994			397224.45	1358937.25
	150° 00' 39"	43.65		
995			397186.64	1358959.07
	144° 05' 35"	41.3		
996			397153.19	1358983.29
	161° 31' 50"	36.81		
997			397118.28	1358994.95
	178° 27' 07"	18.88		
998			397099.41	1358995.46
	196° 24' 44"	15.68		
999			397084.37	1358991.03
	233° 53' 45"	39.51		
1000			397061.09	1358959.11
	222° 09' 51"	27.44		
1001			397040.75	1358940.69
	200° 56' 12"	28.54		
1002			397014.09	1358930.49
	180° 42' 32"	38.79		
1003			396975.3	1358930.01
	185° 56' 41"	41.91		
1004			396933.62	1358925.67
	193° 54' 31"	42.43		
1005			396892.43	1358915.47
	204° 31' 52"	47.38		
1006			396849.33	1358895.8
	216° 09' 13"	64		

1007			396797.65	1358858.04
	198° 05' 36"	31.81		
1008			396767.41	1358848.16
	177° 37' 59"	33.9		
1009			396733.54	1358849.56
	162° 56' 36"	65.08		
1010			396671.32	1358868.65
	189° 59' 08"	32.58		
1011			396639.23	1358863
	177° 29' 44"	39.82		
1012			396599.45	1358864.74
	195° 50' 16"	51.15		
1013			396550.24	1358850.78
	192° 18' 16"	25.76		
1014			396525.07	1358845.29
	270° 15' 32"	44.28		
1015			396525.27	1358801.01
	286° 32' 05"	42.73		
1016			396537.43	1358760.05
	279° 38' 29"	106.82		
1017			396555.32	1358654.74
	283° 38' 28"	71.06		
1018			396572.08	1358585.68
	269° 28' 30"	52.38		
1019			396571.6	1358533.3
	253° 00' 14"	46.6		
1020			396557.98	1358488.74
	271° 33' 59"	100.61		
1021			396560.73	1358388.17
	292° 54' 51"	75.92		
1022			396590.29	1358318.24
	278° 17' 56"	87.92		
1023			396602.98	1358231.24
	301° 39' 40"	53.82		
1024			396631.23	1358185.43
	298° 21' 03"	94.57		
1025			396676.14	1358102.2
	308° 03' 18"	163.51		
1026			396776.93	1357973.45
	291° 45' 06"	49.08		
1027			396795.12	1357927.86
	291° 39' 40"	33.38		
1028			396807.44	1357896.84
	303° 17' 26"	33.41		

1029			396825.78	1357868.91
	281° 39' 04"	24.36		
1030			396830.7	1357845.05
	281° 39' 31"	58		
1031			396842.42	1357788.25
	281° 54' 46"	12.31		
1032			396844.96	1357776.21
	281° 55' 48"	9.97		
1033			396847.02	1357766.46
	281° 55' 33"	22.99		
1034			396851.77	1357743.97
	281° 56' 22"	27.84		
1035			396857.53	1357716.73
	162° 48' 37"	32.45		
1036			396826.53	1357726.32
	162° 39' 48"	1.98		
1037			396824.64	1357726.91
	162° 50' 09"	7.56		
1038			396817.42	1357729.14
	162° 47' 07"	433.48		
1039			396403.36	1357857.43
	161° 32' 40"	123.39		
1040			396286.32	1357896.49
	161° 33' 18"	72.38		
1041			396217.66	1357919.39
	104° 26' 11"	17.37		
1042			396213.33	1357936.21
	154° 45' 59"	14.05		
1043			396200.62	1357942.2
	182° 20' 57"	3.9		
1044			396196.72	1357942.04
	182° 07' 34"	4.31		
1045			396192.41	1357941.88
	182° 34' 53"	2.44		
1046			396189.97	1357941.77
	208° 26' 30"	17.89		
1047			396174.24	1357933.25
	162° 01' 33"	199		
1048			395984.95	1357994.66
	159° 40' 02"	233.08		
1049			395766.39	1358075.65
	159° 40' 08"	448.91		
1050			395345.45	1358231.62
	159° 52' 52"	32.82		

1051			395314.63	1358242.91
	256° 29' 20"	401.48		
1052			395220.83	1357852.54
	256° 46' 20"	721.34		
1053			395055.77	1357150.34
	256° 45' 59"	828.54		
1054			394866.1	1356343.8
	256° 46' 10"	66.24		
1055			394850.94	1356279.32
	257° 11' 33"	142.96		
1056			394819.25	1356139.92
	256° 23' 53"	13.44		
1057			394816.09	1356126.86
	258° 34' 50"	139.5		
1058			394788.47	1355990.12
	167° 57' 14"	50.07		
1059			394739.5	1356000.57
	162° 21' 38"	30.53		
1060			394710.41	1356009.82
	184° 47' 17"	40.85		
1061			394669.7	1356006.41
	165° 31' 45"	31.01		
1062			394639.67	1356014.16
	131° 35' 15"	22.69		
1063			394624.61	1356031.13
	108° 50' 14"	22.52		
1064			394617.34	1356052.44
	134° 56' 27"	20.53		
1065			394602.84	1356066.97
	186° 51' 07"	12.24		
1066			394590.69	1356065.51
	218° 39' 35"	12.42		
1067			394580.99	1356057.75
	247° 32' 41"	24.09		
1068			394571.79	1356035.49
	225° 05' 04"	14.4		
1069			394561.62	1356025.29
	177° 15' 50"	30.58		
1070			394531.07	1356026.75
	132° 57' 51"	29.86		
1071			394510.72	1356048.6
	127° 48' 51"	35.56		
1072			394488.92	1356076.69
	158° 43' 56"	23.93		

1073			394466.62	1356085.37
	194° 14' 14"	23.5		
1074			394443.84	1356079.59
	163° 46' 46"	36.34		
1075			394408.95	1356089.74
	159° 17' 50"	38.36		
1076			394373.07	1356103.3
	177° 49' 47"	89.25		
1077			394283.88	1356106.68
	179° 58' 51"	30.06		
1078			394253.82	1356106.69
	149° 07' 18"	32.17		
1079			394226.21	1356123.2
	141° 18' 02"	31.7		
1080			394201.47	1356143.02
	160° 07' 22"	35.56		
1081			394168.03	1356155.11
	148° 44' 40"	21.55		
1082			394149.61	1356166.29
	125° 17' 08"	24.31		
1083			394135.57	1356186.13
	146° 43' 57"	20.31		
1084			394118.59	1356197.27
	168° 50' 03"	35.06		
1085			394084.19	1356204.06
	160° 23' 28"	46.31		
1086			394040.57	1356219.6
	161° 16' 18"	24.07		
1087			394017.77	1356227.33
	113° 05' 29"	35.8		
1088			394003.73	1356260.26
	135° 56' 51"	43.19		
1089			393972.69	1356290.29
	156° 56' 01"	34.74		
1090			393940.73	1356303.9
	142° 05' 38"	30.75		
1091			393916.47	1356322.79
	176° 50' 57"	26.2		
1092			393890.31	1356324.23
	203° 27' 59"	43.85		
1093			393850.09	1356306.77
	209° 40' 29"	27.37		
1094			393826.31	1356293.22
	172° 32' 17"	18.56		

1095			393807.91	1356295.63
	130° 55' 44"	23.71		
1096			393792.38	1356313.54
	108° 03' 50"	23.45		
1097			393785.11	1356335.83
	124° 55' 07"	23.67		
1098			393771.56	1356355.24
	165° 57' 03"	31.97		
1099			393740.55	1356363
	155° 17' 35"	40.55		
1100			393703.71	1356379.95
	182° 05' 57"	52.42		
1101			393651.33	1356378.03
	161° 14' 32"	22.45		
1102			393630.07	1356385.25
	161° 37' 39"	26.11		
1103			393605.29	1356393.48
	178° 47' 36"	24.22		
1104			393581.08	1356393.99
	112° 32' 02"	21.5		
1105			393572.84	1356413.85
	123° 46' 52"	20.97		
1106			393561.18	1356431.28
	154° 50' 06"	35.32		
1107			393529.21	1356446.3
	178° 37' 37"	20.87		
1108			393508.35	1356446.8
	190° 38' 23"	15.76		
1109			393492.86	1356443.89
	221° 38' 20"	35.7		
1110			393466.18	1356420.17
	218° 50' 08"	22.39		
1111			393448.74	1356406.13
	189° 20' 35"	18.17		
1112			393430.81	1356403.18
	173° 44' 58"	26.82		
1113			393404.15	1356406.1
	184° 23' 25"	31.61		
1114			393372.63	1356403.68
	209° 49' 23"	27.31		
1115			393348.94	1356390.1
	178° 55' 56"	25.75		
1116			393323.19	1356390.58
	163° 07' 10"	38.47		



1117			393286.38	1356401.75
	164° 54' 12"	24.11		
1118			393263.1	1356408.03
	193° 00' 44"	34.33		
1119			393229.65	1356400.3
	193° 04' 43"	55.73		
1120			393175.37	1356387.69
	178° 43' 39"	44.13		
1121			393131.25	1356388.67
	192° 26' 01"	24.8		
1122			393107.03	1356383.33
	208° 59' 29"	36.02		
1123			393075.52	1356365.87
	230° 31' 45"	32		
1124			393055.18	1356341.17
	243° 57' 03"	44.2		
1125			393035.77	1356301.46
	227° 41' 24"	22.3		
1126			393020.76	1356284.97
	174° 23' 42"	19.97		
1127			393000.89	1356286.92
	158° 02' 18"	24.57		
1128			392978.1	1356296.11
	173° 31' 26"	30.23		
1129			392948.06	1356299.52
	205° 39' 46"	24.71		
1130			392925.79	1356288.82
	255° 32' 35"	21.47		
1131			392920.43	1356268.03
	250° 36' 41"	36.48		
1132			392908.32	1356233.62
	286° 19' 46"	32.79		
1133			392917.54	1356202.15
	269° 11' 46"	36.35		
1134			392917.03	1356165.8
	233° 26' 10"	32.58		
1135			392897.62	1356139.63
	223° 43' 27"	46.37		
1136			392864.11	1356107.58
	195° 27' 26"	22.89		
1137			392842.05	1356101.48
	176° 07' 05"	31.46		
1138			392810.66	1356103.61
	178° 45' 15"	24.84		

1139			392785.83	1356104.15
	190° 18' 38"	36.54		
1140			392749.88	1356097.61
	207° 28' 02"	25.84		
1141			392726.95	1356085.69
	239° 45' 16"	22.57		
1142			392715.58	1356066.19
	249° 05' 47"	32.6		
1143			392703.95	1356035.74
	275° 34' 13"	30.91		
1144			392706.95	1356004.98
	265° 30' 00"	25.62		
1145			392704.94	1355979.44
	219° 11' 29"	25.92		
1146			392684.85	1355963.06
	202° 19' 55"	31.08		
1147			392656.1	1355951.25
	226° 08' 33"	24.82		
1148			392638.9	1355933.35
	212° 47' 52"	17.63		
1149			392624.08	1355923.8
	169° 16' 48"	13.33		
1150			392610.98	1355926.28
	149° 53' 49"	12.1		
1151			392600.51	1355932.35
	181° 15' 50"	75.71		
1152			392524.82	1355930.68
	186° 27' 39"	54.57		
1153			392470.6	1355924.54
	196° 28' 10"	36.05		
1154			392436.03	1355914.32
	213° 20' 10"	39.94		
1155			392402.66	1355892.37
	188° 29' 21"	25.94		
1156			392377	1355888.54
	204° 46' 26"	33.34		
1157			392346.73	1355874.57
	218° 33' 47"	34.25		
1158			392319.95	1355853.22
	198° 35' 37"	19.41		
1159			392301.55	1355847.03
	188° 33' 21"	21.51		
1160			392280.28	1355843.83
	217° 55' 42"	25.44		

1161			392260.21	1355828.19
	227° 35' 27"	23.31		
1162			392244.49	1355810.98
	210° 31' 42"	18.05		
1163			392228.94	1355801.81
	189° 29' 35"	27.53		
1164			392201.79	1355797.27
	147° 47' 42"	21.3		
1165			392183.77	1355808.62
	178° 45' 05"	19.73		
1166			392164.04	1355809.05
	198° 45' 10"	17.11		
1167			392147.84	1355803.55
	214° 42' 08"	36.11		
1168			392118.15	1355782.99
	210° 15' 59"	41.98		
1169			392081.89	1355761.83
	205° 20' 18"	27.78		
1170			392056.78	1355749.94
	231° 54' 12"	32.89		
1171			392036.49	1355724.06
	254° 43' 27"	24.1		
1172			392030.14	1355700.81
	285° 28' 52"	22.89		
1173			392036.25	1355678.75
	234° 36' 47"	24.73		
1174			392021.93	1355658.59
	182° 15' 10"	24.17		
1175			391997.78	1355657.64
	142° 31' 01"	54.38		
1176			391954.63	1355690.73
	149° 57' 40"	33.36		
1177			391925.75	1355707.43
	190° 15' 47"	44		
1178			391882.45	1355699.59
	210° 41' 25"	45.63		
1179			391843.21	1355676.3
	189° 54' 31"	49.16		
1180			391794.78	1355667.84
	204° 43' 59"	19.03		
1181			391777.5	1355659.88
	197° 39' 16"	17.18		
1182			391761.13	1355654.67
	166° 56' 04"	10.88		

1183			391750.53	1355657.13
	152° 27' 16"	12.28		
1184			391739.64	1355662.81
	147° 32' 00"	19.75		
1185			391722.98	1355673.41
	155° 03' 26"	11.69		
1186			391712.38	1355678.34
	176° 29' 06"	12.23		
1187			391700.17	1355679.09
	165° 22' 45"	11.65		
1188			391688.9	1355682.03
	146° 00' 41"	11.18		
1189			391679.63	1355688.28
	132° 28' 42"	12.05		
1190			391671.49	1355697.17
	126° 10' 39"	15.72		
1191			391662.21	1355709.86
	158° 40' 37"	54.04		
1192			391611.87	1355729.51
	133° 00' 49"	38.76		
1193			391585.43	1355757.85
	166° 14' 32"	26.95		
1194			391559.25	1355764.26
	191° 40' 08"	35.99		
1195			391524	1355756.98
	214° 10' 30"	34.07		
1196			391495.81	1355737.84
	188° 33' 21"	21.51		
1197			391474.54	1355734.64
	137° 16' 59"	25.38		
1198			391455.89	1355751.86
	143° 22' 45"	34.06		
1199			391428.55	1355772.18
	188° 13' 00"	17.77		
1200			391410.96	1355769.64
	221° 16' 11"	23.8		
1201			391393.07	1355753.94
	235° 55' 46"	41.77		
1202			391369.67	1355719.34
	240° 32' 52"	34		
1203			391352.95	1355689.73
	257° 53' 19"	19.35		
1204			391348.89	1355670.81
	275° 34' 50"	18.41		

1205			391350.68	1355652.49
	252° 17' 44"	20.58		
1206			391344.42	1355632.88
	219° 35' 42"	21.24		
1207			391328.05	1355619.34
	215° 17' 18"	24.56		
1208			391308	1355605.15
	209° 55' 06"	20.49		
1209			391290.24	1355594.93
	234° 49' 32"	22.91		
1210			391277.04	1355576.2
	260° 06' 06"	21.81		
1211			391273.29	1355554.71
	280° 25' 41"	36.19		
1212			391279.84	1355519.12
	283° 20' 54"	37.77		
1213			391288.56	1355482.37
	301° 28' 38"	29.09		
1214			391303.75	1355457.56
	299° 25' 07"	34.41		
1215			391320.65	1355427.59
	304° 34' 42"	46.87		
1216			391347.25	1355389
	308° 43' 45"	73.41		
1217			391393.18	1355331.73
	308° 35' 00"	97.06		
1218			391453.71	1355255.86
	319° 59' 14"	47.83		
1219			391490.34	1355225.11
	328° 44' 04"	27.01		
1220			391513.43	1355211.09
	333° 45' 28"	48.4		
1221			391556.84	1355189.69
	345° 47' 47"	39		
1222			391594.65	1355180.12
	353° 00' 07"	36.36		
1223			391630.74	1355175.69
	349° 27' 35"	24.82		
1224			391655.14	1355171.15
	320° 08' 55"	102.43		
1225			391733.78	1355105.51
	276° 39' 29"	31.05		
1226			391737.38	1355074.67
	236° 32' 18"	27.15		

1227			391722.41	1355052.02
	247° 52' 40"	34.81		
1228			391709.3	1355019.77
	266° 54' 21"	55.95		
1229			391706.28	1354963.9
	302° 33' 45"	66.39		
1230			391742.01	1354907.95
	305° 30' 19"	28.72		
1231			391758.69	1354884.57
	264° 04' 58"	26.77		
1232			391755.93	1354857.94
	250° 20' 56"	56.62		
1233			391736.89	1354804.62
	240° 57' 55"	44.63		
1234			391715.23	1354765.6
	249° 01' 40"	45.43		
1235			391698.97	1354723.18
	235° 35' 19"	24.01		
1236			391685.4	1354703.37
	216° 43' 09"	27.35		
1237			391663.48	1354687.02
	229° 15' 55"	56.85		
1238			391626.38	1354643.94
	236° 09' 48"	32.54		
1239			391608.26	1354616.91
	249° 48' 59"	37.1		
1240			391595.46	1354582.09
	259° 04' 30"	41.16		
1241			391587.66	1354541.68
	244° 30' 11"	32.87		
1242			391573.51	1354512.01
	217° 11' 26"	38.25		
1243			391543.04	1354488.89
	212° 21' 44"	50.87		
1244			391500.07	1354461.66
	204° 11' 09"	56.24		
1245			391448.77	1354438.62
	201° 45' 41"	21.31		
1246			391428.98	1354430.72
	215° 01' 18"	42.73		
1247			391393.99	1354406.2
	223° 26' 41"	63.56		
1248			391347.84	1354362.49
	233° 33' 11"	54.2		

1249			391315.64	1354318.89
	261° 06' 14"	17.14		
1250			391312.99	1354301.96
	112° 32' 54"	13.53		
1251			391307.8	1354314.46
	118° 16' 53"	671.56		
1252			390989.61	1354905.86
	141° 05' 00"	37.63		
1253			390960.33	1354929.5
	255° 40' 36"	97.78		
1254			390936.14	1354834.76
	257° 23' 38"	333.39		
1255			390863.38	1354509.41
	248° 03' 47"	120.16		
1256			390818.49	1354397.95
	257° 19' 36"	121.24		
1257			390791.89	1354279.66
	256° 12' 34"	433.43		
1258			390688.57	1353858.72
	256° 32' 10"	5.58		
1259			390687.27	1353853.29
	256° 35' 54"	132.07		
1260			390656.66	1353724.82
	256° 30' 37"	204.7		
1261			390608.91	1353525.77
	255° 52' 25"	415.02		
1262			390507.62	1353123.3
	255° 37' 10"	383.43		
1263			390412.39	1352751.88
	265° 59' 27"	379.17		
1264			390385.88	1352373.64
	268° 34' 01"	476.64		
1265			390373.96	1351897.15
	282° 24' 01"	175.42		
1266			390411.63	1351725.82
	286° 55' 44"	533.1		
1267			390566.86	1351215.82
	286° 53' 22"	465.92		
1268			390702.22	1350770
	287° 22' 01"	237.83		
1269			390773.21	1350543.01
	286° 34' 12"	456.05		
1270			390903.27	1350105.9
	285° 27' 52"	450.79		

1271			391023.47	1349671.43
	284° 45' 29"	584.17		
1272			391172.28	1349106.53
	286° 40' 33"	501.37		
1273			391316.15	1348626.25
	292° 30' 55"	279.32		
1274			391423.11	1348368.22
	296° 28' 31"	322.31		
1275			391566.8	1348079.71
	302° 01' 03"	44.85		
1276			391590.58	1348041.68
	301° 21' 02"	307.32		
1277			391750.47	1347779.23
	349° 23' 19"	85.1		
1278			391834.11	1347763.56
	302° 47' 55"	1246.73		
1279			392509.45	1346715.58
	301° 46' 27"	643.54		
1280			392848.32	1346168.49
	301° 39' 45"	424.47		
1281			393071.13	1345807.2
	302° 52' 38"	63.33		
1282			393105.51	1345754.01
	295° 57' 23"	53.05		
1283			393128.73	1345706.31
	314° 08' 36"	33.58		
1284			393152.12	1345682.21
	7° 25' 16"	35.77		
1285			393187.59	1345686.83
	43° 14' 57"	78.91		
1286			393245.07	1345740.9
	31° 05' 40"	23.33		
1287			393265.05	1345752.95
	3° 29' 00"	33.08		
1288			393298.07	1345754.96
	32° 28' 44"	34.25		
1289			393326.96	1345773.35
	341° 55' 33"	16.57		
1290			393342.71	1345768.21
	344° 50' 07"	15.02		
1291			393357.21	1345764.28
	329° 54' 18"	15.83		
1292			393370.91	1345756.34
	321° 56' 10"	25.53		



1293			393391.01	1345740.6
	311° 45' 52"	21.42		
1294			393405.28	1345724.62
	335° 28' 29"	17.47		
1295			393421.17	1345717.37
	349° 43' 03"	20.67		
1296			393441.51	1345713.68
	3° 55' 58"	20.85		
1297			393462.31	1345715.11
	3° 08' 17"	19.73		
1298			393482.01	1345716.19
	352° 51' 04"	20.89		
1299			393502.74	1345713.59
	349° 12' 51"	17.37		
1300			393519.8	1345710.34
	336° 27' 26"	20.1		
1301			393538.23	1345702.31
	347° 32' 28"	20.44		
1302			393558.19	1345697.9
	358° 54' 04"	26.59		
1303			393584.78	1345697.39
	0° 10' 43"	16.04		
1304			393600.82	1345697.44
	14° 04' 56"	18.12		
1305			393618.4	1345701.85
	31° 12' 56"	16.38		
1306			393632.41	1345710.34
	61° 28' 02"	20.58		
1307			393642.24	1345728.42
	88° 53' 35"	18.63		
1308			393642.6	1345747.05
	92° 12' 14"	31.46		
1309			393641.39	1345778.49
	65° 18' 38"	19.13		
1310			393649.38	1345795.87
	45° 38' 47"	17.55		
1311			393661.65	1345808.42
	22° 54' 19"	14.36		
1312			393674.88	1345814.01
	359° 58' 11"	18.95		
1313			393693.83	1345814
	348° 10' 26"	13.71		
1314			393707.25	1345811.19
	343° 42' 19"	13.97		

1315			393720.66	1345807.27
	336° 06' 49"	12.25		
1316			393731.86	1345802.31
	357° 19' 20"	13.48		
1317			393745.33	1345801.68
	5° 36' 47"	18.71		
1318			393763.95	1345803.51
	6° 45' 19"	21.34		
1319			393785.14	1345806.02
	345° 11' 59"	12.37		
1320			393797.1	1345802.86
	340° 04' 41"	19.25		
1321			393815.2	1345796.3
	324° 29' 30"	18.1		
1322			393829.93	1345785.79
	304° 10' 05"	24.61		
1323			393843.75	1345765.43
	304° 41' 18"	21.17		
1324			393855.8	1345748.02
	310° 41' 19"	23.51		
1325			393871.13	1345730.19
	286° 44' 59"	24.95		
1326			393878.32	1345706.3
	323° 07' 48"	17.5		
1327			393892.32	1345695.8
	328° 10' 40"	22.89		
1328			393911.77	1345683.73
	323° 16' 51"	25.09		
1329			393931.88	1345668.73
	326° 12' 26"	21.65		
1330			393949.87	1345656.69
	345° 37' 31"	25.46		
1331			393974.53	1345650.37
	34° 42' 58"	22.46		
1332			393992.99	1345663.16
	50° 32' 31"	27.02		
1333			394010.16	1345684.02
	9° 40' 48"	15.58		
1334			394025.52	1345686.64
	353° 25' 31"	15.37		
1335			394040.79	1345684.88
	348° 22' 52"	20.01		
1336			394060.39	1345680.85
	325° 56' 00"	14.76		

1337			394072.62	1345672.58
	337° 23' 17"	21.93		
1338			394092.86	1345664.15
	334° 35' 21"	15.99		
1339			394107.3	1345657.29
	12° 25' 10"	18.74		
1340			394125.6	1345661.32
	40° 27' 06"	25.32		
1341			394144.87	1345677.75
	41° 21' 33"	22.72		
1342			394161.92	1345692.76
	59° 00' 54"	27.8		
1343			394176.23	1345716.59
	70° 30' 09"	25.41		
1344			394184.71	1345740.54
	80° 36' 44"	35.43		
1345			394190.49	1345775.5
	101° 56' 27"	32.24		
1346			394183.82	1345807.04
	107° 16' 56"	30.03		
1347			394174.9	1345835.71
	108° 22' 29"	24.01		
1348			394167.33	1345858.5
	88° 54' 50"	18.99		
1349			394167.69	1345877.49
	51° 15' 39"	20.29		
1350			394180.39	1345893.32
	19° 44' 27"	38.99		
1351			394217.09	1345906.49
	1° 41' 11"	29.9		
1352			394246.98	1345907.37
	358° 51' 51"	19.67		
1353			394266.65	1345906.98
	354° 53' 05"	31.41		
1354			394297.93	1345904.18
	36° 59' 18"	21.31		
1355			394314.95	1345917
	48° 58' 09"	29.52		
1356			394334.33	1345939.27
	48° 52' 14"	18.12		
1357			394346.25	1345952.92
	22° 54' 19"	14.36		
1358			394359.48	1345958.51
	353° 53' 35"	16.83		

1359			394376.21	1345956.72
	341° 45' 58"	9.91		
1360			394385.62	1345953.62
	328° 19' 57"	14.38		
1361			394397.86	1345946.07
	352° 02' 32"	18.35		
1362			394416.03	1345943.53
	347° 10' 28"	21.58		
1363			394437.07	1345938.74
	335° 19' 40"	18.28		
1364			394453.68	1345931.11
	344° 49' 23"	18.03		
1365			394471.08	1345926.39
	332° 14' 42"	22.83		
1366			394491.28	1345915.76
	324° 52' 50"	45.7		
1367			394528.66	1345889.47
	319° 27' 48"	47.16		
1368			394564.5	1345858.82
	324° 22' 42"	30.94		
1369			394589.65	1345840.8
	332° 15' 23"	19.57		
1370			394606.97	1345831.69
	337° 58' 40"	16.37		
1371			394622.15	1345825.55
	309° 03' 21"	12.43		
1372			394629.98	1345815.9
	291° 13' 50"	13.42		
1373			394634.84	1345803.39
	280° 28' 36"	25.35		
1374			394639.45	1345778.46
	297° 34' 39"	25.81		
1375			394651.4	1345755.58
	328° 40' 09"	62.39		
1376			394704.69	1345723.14
	333° 34' 02"	71.73		
1377			394768.92	1345691.21
	335° 17' 10"	62.02		
1378			394825.26	1345665.28
	325° 42' 24"	60.06		
1379			394874.88	1345631.44
	331° 04' 16"	46.95		
1380			394915.97	1345608.73
	340° 10' 49"	56.92		

1381			394969.52	1345589.43
	338° 16' 44"	83.36		
1382			395046.96	1345558.58
	337° 16' 46"	20.14		
1383			395065.54	1345550.8
	316° 52' 57"	12.7		
1384			395074.81	1345542.12
	309° 26' 39"	17.46		
1385			395085.9	1345528.64
	288° 37' 52"	9.23		
1386			395088.85	1345519.89
	309° 37' 44"	18.28		
1387			395100.51	1345505.81
	280° 51' 14"	24.64		
1388			395105.15	1345481.61
	309° 37' 20"	21.2		
1389			395118.67	1345465.28
	317° 11' 01"	26.35		
1390			395138	1345447.37
	310° 38' 17"	18.59		
1391			395150.11	1345433.26
	289° 24' 02"	24.96		
1392			395158.4	1345409.72
	287° 56' 52"	20.09		
1393			395164.59	1345390.61
	286° 00' 46"	23.35		
1394			395171.03	1345368.17
	315° 00' 49"	29.47		
1395			395191.87	1345347.34
	1° 19' 08"	20.86		
1396			395212.72	1345347.82
	32° 35' 38"	35.09		
1397			395242.28	1345366.72
	35° 31' 12"	37.52		
1398			395272.82	1345388.52
	20° 26' 54"	30.51		
1399			395301.41	1345399.18
	19° 20' 03"	67.3		
1400			395364.91	1345421.46
	11° 04' 57"	47.91		
1401			395411.93	1345430.67
	355° 00' 30"	50.11		
1402			395461.85	1345426.31
	328° 34' 37"	51.12		

1403			395505.47	1345399.66
	325° 49' 17"	76.76		
1404			395568.97	1345356.54
	320° 12' 50"	41.63		
1405			395600.96	1345329.9
	297° 57' 26"	53.75		
1406			395626.16	1345282.42
	322° 07' 46"	22.11		
1407			395643.61	1345268.85
	349° 23' 17"	78.9		
1408			395721.16	1345254.32
	358° 28' 54"	73.22		
1409			395794.35	1345252.38
	0° 00' 00"	47.99		
1410			395842.34	1345252.38
	18° 10' 07"	32.65		
1411			395873.36	1345262.56
	44° 18' 12"	57.57		
1412			395914.56	1345302.77
	44° 59' 07"	27.41		
1413			395933.95	1345322.15
	356° 10' 13"	21.86		
1414			395955.76	1345320.69
	311° 06' 07"	25.07		
1415			395972.24	1345301.8
	308° 04' 29"	51.08		
1416			396003.74	1345261.59
	332° 32' 04"	40.98		
1417			396040.1	1345242.69
	340° 56' 15"	54.87		
1418			396091.96	1345224.77
	358° 23' 15"	51.88		
1419			396143.82	1345223.31
	356° 49' 36"	69.91		
1420			396213.62	1345219.44
	342° 51' 58"	60.86		
1421			396271.78	1345201.51
	348° 48' 18"	49.91		
1422			396320.74	1345191.82
	334° 04' 08"	59.82		
1423			396374.54	1345165.66
	356° 37' 53"	33.02		
1424			396407.5	1345163.72
	28° 29' 01"	38.6		

1425			396441.43	1345182.13
	42° 44' 27"	34.98		
1426			396467.12	1345205.87
	10° 27' 12"	50.76		
1427			396517.04	1345215.08
	20° 37' 01"	44.02		
1428			396558.24	1345230.58
	21° 09' 27"	32.22		
1429			396588.29	1345242.21
	355° 00' 52"	72.49		
1430			396660.51	1345235.91
	18° 39' 21"	39.39		
1431			396697.83	1345248.51
	32° 50' 33"	37.5		
1432			396729.34	1345268.85
	24° 31' 52"	49.01		
1433			396773.93	1345289.2
	36° 07' 27"	37.81		
1434			396804.47	1345311.49
	10° 21' 11"	40.4		
1435			396844.21	1345318.75
	0° 00' 00"	49.93		
1436			396894.14	1345318.75
	3° 31' 04"	23.79		
1437			396917.89	1345320.21
	48° 58' 03"	29.54		
1438			396937.28	1345342.49
	46° 16' 27"	30.84		
1439			396958.6	1345364.78
	35° 12' 11"	30.25		
1440			396983.32	1345382.22
	15° 39' 55"	111.25		
1441			397090.44	1345412.26
	266° 26' 22"	6.76		
1442			397090.02	1345405.51
	266° 25' 44"	56.19		
1443			397086.52	1345349.43
	268° 05' 26"	170.47		
1444			397080.84	1345179.05
	269° 10' 05"	274.15		
1445			397076.86	1344904.93
	269° 23' 25"	177.58		
1446			397074.97	1344727.36
	269° 28' 09"	489.96		

1447			397070.43	1344237.42
	270° 19' 41"	496.19		
1448			397073.27	1343741.24
	268° 11' 36"	486.58		
1449			397057.93	1343254.9
	269° 14' 53"	490.73		
1450			397051.49	1342764.21
	269° 28' 39"	497.9		
1451			397046.95	1342266.33
	266° 19' 56"	111.93		
1452			397039.79	1342154.63
	354° 40' 10"	23.25		
1453			397062.94	1342152.47
	346° 47' 58"	15.63		
1454			397078.16	1342148.9
	340° 26' 48"	10.37		
1455			397087.93	1342145.43
	343° 38' 16"	8.31		
1456			397095.9	1342143.09
	351° 29' 10"	8.44		
1457			397104.25	1342141.84
	347° 34' 17"	7.43		
1458			397111.51	1342140.24
	350° 23' 03"	7.36		
1459			397118.77	1342139.01
	356° 26' 27"	8.38		
1460			397127.13	1342138.49
	353° 10' 33"	7.32		
1461			397134.4	1342137.62
	350° 49' 50"	7.72		
1462			397142.02	1342136.39
	358° 53' 54"	7.28		
1463			397149.3	1342136.25
	358° 55' 26"	6.92		
1464			397156.22	1342136.12
	358° 53' 22"	6.19		
1465			397162.41	1342136
	348° 39' 45"	4.07		
1466			397166.4	1342135.2
	326° 06' 01"	6.06		
1467			397171.43	1342131.82
	343° 56' 52"	16.96		
1468			397187.73	1342127.13
	329° 09' 32"	8.82		



1469			397195.3	1342122.61
	312° 12' 50"	9.02		
1470			397201.36	1342115.93
	311° 54' 48"	7.48		
1471			397206.36	1342110.36
	328° 53' 00"	10.93		
1472			397215.72	1342104.71
	337° 01' 54"	7.84		
1473			397222.94	1342101.65
	8° 58' 04"	6.29		
1474			397229.15	1342102.63
	44° 00' 08"	13.4		
1475			397238.79	1342111.94
	50° 16' 04"	7.01		
1476			397243.27	1342117.33
	46° 34' 13"	5.93		
1477			397247.35	1342121.64
	20° 48' 24"	5.88		
1478			397252.85	1342123.73
	6° 03' 36"	5.87		
1479			397258.69	1342124.35
	358° 52' 36"	7.65		
1480			397266.34	1342124.2
	347° 14' 26"	10.78		
1481			397276.85	1342121.82
	347° 56' 49"	11.49		
1482			397288.09	1342119.42
	348° 57' 05"	21.08		
1483			397308.78	1342115.38
	11° 19' 10"	11.92		
1484			397320.47	1342117.72
	22° 41' 59"	9.95		
1485			397329.65	1342121.56
	23° 39' 37"	14.83		
1486			397343.23	1342127.51
	25° 32' 49"	13.84		
1487			397355.72	1342133.48
	13° 37' 09"	8.66		
1488			397364.14	1342135.52
	356° 16' 52"	8.02		
1489			397372.14	1342135
	341° 07' 44"	9.55		
1490			397381.18	1342131.91
	306° 47' 14"	8.32		

1491			397386.16	1342125.25
	286° 22' 02"	7.27		
1492			397388.21	1342118.27
	274° 12' 04"	19.79		
1493			397389.66	1342098.53
	280° 12' 55"	14.89		
1494			397392.3	1342083.88
	286° 15' 46"	18.35		
1495			397397.44	1342066.26
	295° 24' 47"	12.23		
1496			397402.69	1342055.21
	322° 18' 26"	14.07		
1497			397413.82	1342046.61
	331° 03' 02"	7.42		
1498			397420.31	1342043.02
	349° 25' 03"	6.64		
1499			397426.84	1342041.8
	29° 35' 32"	4.66		
1500			397430.89	1342044.1
	65° 20' 14"	4.98		
1501			397432.97	1342048.63
	61° 37' 39"	5.96		
1502			397435.8	1342053.87
	33° 13' 54"	4.85		
1503			397439.86	1342056.53
	341° 24' 08"	6.68		
1504			397446.19	1342054.4
	295° 25' 32"	6.52		
1505			397448.99	1342048.51
	291° 53' 56"	6.54		
1506			397451.43	1342042.44
	309° 02' 57"	6.21		
1507			397455.34	1342037.62
	328° 29' 26"	6.12		
1508			397460.56	1342034.42
	336° 39' 45"	8.66		
1509			397468.51	1342030.99
	341° 03' 29"	5.36		
1510			397473.58	1342029.25
	356° 26' 44"	21.13		
1511			397494.67	1342027.94
	18° 44' 50"	15.09		
1512			397508.96	1342032.79
	68° 37' 01"	5.6		

1513			397511	1342038
	3° 34' 35"	32.06		
1514			397543	1342040
	328° 52' 39"	61.91		
1515			397596	1342008
	353° 57' 36"	44.48		
1516			397640.23	1342003.32
	348° 46' 37"	20.71		
1517			397660.54	1341999.29
	336° 16' 38"	18.94		
1518			397677.88	1341991.67
	293° 01' 36"	23.19		
1519			397686.95	1341970.33
	306° 32' 11"	20.27		
1520			397699.02	1341954.04
	308° 40' 51"	17.09		
1521			397709.7	1341940.7
	343° 28' 34"	21.9		
1522			397730.7	1341934.47
	0° 45' 40"	22.58		
1523			397753.28	1341934.77
	12° 22' 57"	15.72		
1524			397768.63	1341938.14
	29° 33' 56"	18.63		
1525			397784.83	1341947.33
	28° 02' 03"	15		
1526			397798.07	1341954.38
	29° 03' 54"	15.99		
1527			397812.05	1341962.15
	54° 30' 51"	14.16		
1528			397820.27	1341973.68
	68° 57' 54"	17.08		
1529			397826.4	1341989.62
	62° 26' 01"	13.05		
1530			397832.44	1342001.19
	62° 26' 01"	13.05		
1531			397838.48	1342012.76
	48° 22' 37"	13.44		
1532			397847.41	1342022.81
	27° 18' 15"	10.75		
1533			397856.96	1342027.74
	358° 59' 20"	5.1		
1534			397862.06	1342027.65
	352° 12' 29"	12.47		

1535			397874.41	1342025.96
	358° 56' 05"	12.37		
1536			397886.78	1342025.73
	27° 36' 13"	9.13		
1537			397894.87	1342029.96
	24° 25' 58"	16.95		
1538			397910.3	1342036.97
	33° 02' 26"	65.07		
1539			397964.85	1342072.45
	33° 23' 47"	16.77		
1540			397978.85	1342081.68
	13° 33' 46"	17.31		
1541			397995.68	1342085.74
	12° 26' 04"	19.78		
1542			398015	1342090
	11° 18' 36"	76.49		
1543			398090	1342105
	22° 39' 34"	111.62		
1544			398193	1342148
	13° 35' 05"	35.08		
1545			398227.1	1342156.24
	19° 46' 28"	19.48		
1546			398245.43	1342162.83
	44° 00' 39"	15.98		
1547			398256.92	1342173.93
	36° 17' 09"	9.61		
1548			398264.67	1342179.62
	27° 36' 45"	13.7		
1549			398276.81	1342185.97
	17° 25' 08"	12.66		
1550			398288.89	1342189.76
	358° 53' 39"	13.47		
1551			398302.36	1342189.5
	17° 25' 05"	14.97		
1552			398316.64	1342193.98
	46° 17' 18"	12.89		
1553			398325.55	1342203.3
	48° 49' 29"	15.27		
1554			398335.6	1342214.79
	37° 23' 01"	11.15		
1555			398344.46	1342221.56
	8° 54' 12"	21.06		
1556			398365.27	1342224.82
	11° 28' 58"	20.14		

1557			398385.01	1342228.83
	30° 13' 22"	28.11		
1558			398409.3	1342242.98
	23° 45' 02"	20.86		
1559			398428.39	1342251.38
	12° 31' 33"	21.72		
1560			398449.59	1342256.09
	6° 42' 43"	16.17		
1561			398465.65	1342257.98
	358° 55' 04"	23.29		
1562			398488.94	1342257.54
	7° 05' 01"	20.6		
1563			398509.38	1342260.08
	357° 45' 02"	17.83		
1564			398527.2	1342259.38
	338° 39' 20"	22.12		
1565			398547.8	1342251.33
	341° 02' 34"	22.9		
1566			398569.46	1342243.89
	9° 39' 38"	18.06		
1567			398587.26	1342246.92
	18° 52' 34"	70.23		
1568			398653.71	1342269.64
	3° 48' 33"	131.11		
1569			398784.53	1342278.35
	359° 25' 23"	113.23		
1570			398897.75	1342277.21
	347° 08' 28"	76.61		
1571			398972.44	1342260.16
	280° 43' 19"	32.68		
1572			398978.52	1342228.05
	277° 25' 51"	109.41		
1573			398992.67	1342119.56
	290° 01' 37"	326.55		
1574			399104.5	1341812.76
	291° 20' 33"	504.42		
1575			399288.08	1341342.93
	291° 35' 34"	378.25		
1576			399427.28	1340991.22
	284° 55' 43"	13.08		
1577			399430.65	1340978.58
	289° 35' 08"	261.45		
1578			399518.29	1340732.26
	290° 31' 19"	442.34		

1579			399673.36	1340317.99
	292° 22' 30"	328.45		
1580			399798.39	1340014.27
	203° 10' 54"	931.29		
1581			398942.29	1339647.67
	203° 13' 51"	297.57		
1582			398668.85	1339530.3
	214° 28' 18"	91.29		
1583			398593.59	1339478.63
	234° 01' 48"	48.52		
1584			398565.09	1339439.36
	286° 50' 14"	83.93		
1585			398589.4	1339359.03
	286° 28' 58"	660.95		
1586			398776.93	1338725.24
	285° 46' 20"	623.04		
1587			398946.28	1338125.66
	288° 13' 05"	222.34		
1588			399015.79	1337914.47
	245° 44' 19"	191.7		
1589			398937.02	1337739.7
	259° 42' 14"	47.67		
1590			398928.5	1337692.8
	259° 30' 24"	743.19		
1591			398793.15	1336962.04
	258° 32' 56"	135.29		
1592			398766.29	1336829.44
	259° 21' 13"	283.19		
1593			398713.97	1336551.12
	258° 30' 23"	53.2		
1594			398703.37	1336498.99
	258° 52' 26"	168.73		
1595			398670.81	1336333.43
	258° 52' 19"	102.49		
1596			398651.03	1336232.87
	256° 39' 12"	90.49		
1597			398630.14	1336144.82
	288° 26' 06"	6.77		
1598			398632.28	1336138.4
	8° 31' 44"	158.73		
1599			398789.25	1336161.94
	8° 05' 35"	391.11		
1600			399176.46	1336217
	7° 47' 07"	234.6		

1601			399408.9	1336248.78
	9° 13' 59"	127.7		
1602			399534.95	1336269.27
	347° 49' 06"	46.02		
1603			399579.93	1336259.56
	314° 03' 33"	40.48		
1604			399608.08	1336230.47
	277° 08' 16"	139.79		
1605			399625.45	1336091.76
	276° 16' 14"	194.83		
1606			399646.73	1335898.1
	276° 11' 13"	143.73		
1607			399662.22	1335755.21
	276° 26' 28"	150.03		
1608			399679.05	1335606.13
	277° 36' 23"	186.6		
1609			399703.75	1335421.17
	277° 08' 13"	216.68		
1610			399730.67	1335206.17
	275° 30' 18"	328.98		
1611			399762.23	1334878.71
	274° 48' 45"	144.47		
1612			399774.35	1334734.75
	270° 26' 24"	72.92		
1613			399774.91	1334661.83
	275° 38' 20"	389.47		
1614			399813.18	1334274.24
	186° 27' 11"	361.86		
1615			399453.61	1334233.57
	187° 42' 45"	359.16		
1616			399097.7	1334185.37
	282° 28' 42"	29.53		
1617			399104.08	1334156.54
	274° 27' 09"	1234.4		
1618			399199.91	1332925.87
	5° 58' 17"	250.31		
1619			399448.86	1332951.91
	5° 54' 05"	266.01		
1620			399713.46	1332979.26
	5° 50' 47"	564.41		
1621			400274.93	1333036.75
	6° 58' 54"	151.62		
1622			400425.43	1333055.18
	6° 43' 21"	479.93		

1623			400902.06	1333111.36
	6° 43' 47"	8.45		
1624			400910.45	1333112.35
	4° 45' 28"	65.35		
1625			400975.57	1333117.77
	4° 21' 23"	487.88		
1626			401462.04	1333154.83
	5° 16' 38"	479.47		
1627			401939.48	1333198.93
	5° 19' 55"	552.15		
1628			402489.24	1333250.24
	5° 01' 47"	595.97		
1629			403082.92	1333302.49
	7° 42' 59"	140.99		
1630			403222.63	1333321.42
	5° 52' 58"	556.04		
1631			403775.74	1333378.41
	103° 07' 29"	162.37		
1632			403738.87	1333536.54
	106° 32' 12"	139.09		
1633			403699.28	1333669.88
	124° 40' 21"	124.88		
1634			403628.24	1333772.58
	96° 24' 26"	89.52		
1635			403618.25	1333861.54
	83° 03' 40"	74.08		
1636			403627.2	1333935.08
	74° 21' 43"	85.03		
1637			403650.12	1334016.96
	57° 38' 24"	49.83		
1638			403676.79	1334059.05
	50° 41' 17"	121.14		
1639			403753.54	1334152.78
	87° 02' 46"	38.81		
1640			403755.54	1334191.54
	58° 51' 37"	195.58		
1641			403856.68	1334358.94
	75° 33' 35"	68.09		
1642			403873.66	1334424.88
	76° 00' 28"	66.34		
1643			403889.7	1334489.25
	79° 13' 01"	79.11		
1644			403904.5	1334566.96
	53° 19' 42"	38.71		



1645			403927.62	1334598.01
	84° 29' 28"	15.83		
1646			403929.14	1334613.77
	125° 16' 30"	29.68		
1647			403912	1334638
	134° 13' 08"	129.65		
1648			403821.58	1334730.92
	110° 53' 43"	16.21		
1649			403815.8	1334746.06
	90° 16' 29"	58.41		
1650			403815.52	1334804.47
	90° 05' 44"	287.98		
1651			403815.04	1335092.45
	91° 09' 37"	311.09		
1652			403808.74	1335403.48
	90° 33' 41"	297		
1653			403805.83	1335700.47
	0° 00' 00"	124.99		
1654			403805.83	1335825.46
	4° 55' 31"	526.58		
1655			404330.47	1335870.67
	2° 47' 30"	551.92		
1656			404881.74	1335897.55
	4° 21' 01"	444.27		
1657			405324.73	1335931.25
	274° 05' 22"	416.75		
1658			405354.45	1335515.56
	275° 03' 59"	976.2		
1659			405440.66	1334543.17
	275° 15' 26"	444.85		
1660			405481.42	1334100.19
	275° 07' 21"	503.55		
1661			405526.38	1333598.65
	5° 43' 26"	409.58		
1662			405933.92	1333639.5
	5° 56' 57"	195.66		
1663			406128.53	1333659.78
	5° 56' 35"	142.16		
1664			406269.93	1333674.5
	5° 45' 59"	147.41		
1665			406416.59	1333689.31
	6° 03' 55"	190.99		
1666			406606.51	1333709.49
	17° 14' 06"	5.74		

1667			406611.99	1333711.19
	5° 55' 16"	44.98		
1668			406656.73	1333715.83
	5° 36' 57"	796.26		
1669			407449.17	1333793.75
	33° 54' 12"	336.61		
1670			407728.55	1333981.51
	32° 55' 38"	1027.86		
1671			408591.3	1334540.23
	32° 39' 30"	191.45		
1672			408752.48	1334643.54
	9° 00' 53"	100.39		
1673			408851.63	1334659.27
	9° 01' 06"	95.69		
1674			408946.14	1334674.27
	10° 31' 13"	138.73		
1675			409082.54	1334699.6
	359° 51' 27"	920.4		
1676			410002.94	1334697.31
	0° 57' 24"	255.76		
1677			410258.66	1334701.58
	24° 13' 20"	9.63		
1678			410267.44	1334705.53
	62° 29' 23"	5.69		
1679			410270.07	1334710.58
	67° 15' 43"	7.84		
1680			410273.1	1334717.81
	61° 33' 33"	10.25		
1681			410277.98	1334726.82
	78° 12' 44"	9.64		
1682			410279.95	1334736.26
	84° 03' 06"	8.4		
1683			410280.82	1334744.61
	97° 40' 54"	9.58		
1684			410279.54	1334754.1
	103° 00' 26"	13.51		
1685			410276.5	1334767.26
	98° 06' 45"	9.21		
1686			410275.2	1334776.38
	97° 18' 49"	15.08		
1687			410273.28	1334791.34
	97° 06' 07"	15.45		
1688			410271.37	1334806.67
	86° 22' 41"	15.67		

1689			410272.36	1334822.31
	83° 04' 09"	17.57		
1690			410274.48	1334839.75
	81° 19' 16"	13.59		
1691			410276.53	1334853.18
	70° 02' 20"	11.16		
1692			410280.34	1334863.67
	68° 50' 36"	22.11		
1693			410288.32	1334884.29
	73° 04' 12"	18.54		
1694			410293.72	1334902.03
	71° 37' 10"	13.35		
1695			410297.93	1334914.7
	99° 06' 59"	10.35		
1696			410296.29	1334924.92
	111° 19' 57"	13.39		
1697			410291.42	1334937.39
	116° 01' 32"	17.57		
1698			410283.71	1334953.18
	121° 25' 10"	18.97		
1699			410273.82	1334969.37
	119° 29' 25"	16.47		
1700			410265.71	1334983.71
	123° 16' 03"	18.05		
1701			410255.81	1334998.8
	126° 30' 32"	29.83		
1702			410238.06	1335022.78
	126° 32' 13"	39.93		
1703			410214.29	1335054.86
	125° 47' 57"	12.74		
1704			410206.84	1335065.19
	125° 26' 53"	10.4		
1705			410200.81	1335073.66
	122° 12' 22"	13.92		
1706			410193.39	1335085.44
	119° 54' 14"	16.97		
1707			410184.93	1335100.15
	112° 48' 10"	17.11		
1708			410178.3	1335115.92
	110° 44' 09"	15.68		
1709			410172.75	1335130.58
	105° 51' 05"	12.56		
1710			410169.32	1335142.66
	103° 52' 35"	11.3		

1711			410166.61	1335153.63
	98° 26' 28"	13.28		
1712			410164.66	1335166.77
	103° 30' 08"	10.15		
1713			410162.29	1335176.64
	103° 01' 03"	7.5		
1714			410160.6	1335183.95
	127° 35' 01"	4.66		
1715			410157.76	1335187.64
	152° 23' 02"	19.5		
1716			410140.48	1335196.68
	159° 46' 50"	73.52		
1717			410071.49	1335222.09
	104° 23' 07"	300.19		
1718			409996.91	1335512.87
	189° 23' 06"	327.35		
1719			409673.94	1335459.49
	106° 06' 19"	17.74		
1720			409669.02	1335476.53
	202° 23' 36"	271.42		
1721			409418.07	1335373.13
	124° 10' 48"	33.41		
1722			409399.3	1335400.77
	120° 44' 37"	65.61		
1723			409365.76	1335457.16
	116° 05' 38"	81.05		
1724			409330.11	1335529.95
	118° 54' 56"	20.83		
1725			409320.04	1335548.18
	54° 02' 54"	19.47		
1726			409331.47	1335563.94
	15° 38' 51"	46.23		
1727			409375.99	1335576.41
	12° 21' 30"	95.5		
1728			409469.28	1335596.85
	10° 35' 08"	197.82		
1729			409663.73	1335633.19
	8° 47' 53"	290.02		
1730			409950.34	1335677.55
	11° 20' 20"	631.39		
1731			410569.41	1335801.69
	11° 06' 43"	513.32		
1732			411073.11	1335900.62
	44° 29' 24"	2.38		

1733			411074.81	1335902.29
	67° 46' 07"	10.89		
1734			411078.93	1335912.37
	88° 50' 21"	16.78		
1735			411079.27	1335929.15
	110° 15' 08"	17.65		
1736			411073.16	1335945.71
	101° 35' 40"	66.72		
1737			411059.75	1336011.07
	103° 46' 00"	126.32		
1738			411029.69	1336133.76
	103° 17' 26"	143.11		
1739			410996.79	1336273.04
	103° 56' 51"	169.19		
1740			410956.01	1336437.24
	19° 35' 25"	320.59		
1741			411258.04	1336544.73
	18° 00' 09"	330.1		
1742			411571.98	1336646.75
	20° 10' 13"	589.8		
1743			412125.61	1336850.12
	22° 03' 35"	425.56		
1744			412520.02	1337009.95
	18° 25' 00"	267.5		
1745			412773.82	1337094.46
	19° 27' 22"	254.98		
1746			413014.24	1337179.39
	19° 44' 39"	203.3		
1747			413205.59	1337248.07
	108° 18' 07"	12.26		
1748			413201.74	1337259.71
	19° 47' 42"	314.18		
1749			413497.36	1337366.11
	20° 13' 00"	894.4		
1750			414336.66	1337675.19
	19° 32' 16"	538.53		
1751			414844.18	1337855.29
	20° 01' 34"	80.74		
1752			414920.04	1337882.94
	19° 35' 30"	13.63		
1753			414932.88	1337887.51
	20° 12' 05"	391.9		
1754			415300.67	1338022.84
	25° 45' 15"	15.17		

1755			415314.33	1338029.43
	23° 24' 52"	42.15		
1756			415353.01	1338046.18
	138° 52' 26"	66.56		
1757			415302.87	1338089.96
	135° 54' 46"	43.06		
1758			415271.94	1338119.92
	126° 24' 22"	29.15		
1759			415254.64	1338143.38
	112° 27' 18"	23.27		
1760			415245.75	1338164.89
	104° 18' 52"	29.97		
1761			415238.34	1338193.93
	130° 36' 45"	28.01		
1762			415220.11	1338215.19
	156° 23' 05"	32.85		
1763			415190.01	1338228.35
	141° 29' 32"	32.96		
1764			415164.22	1338248.87
	139° 10' 54"	80.78		
1765			415103.09	1338301.67
	140° 12' 29"	54.22		
1766			415061.43	1338336.37
	155° 38' 25"	33.82		
1767			415030.62	1338350.32
	167° 17' 02"	22.21		
1768			415008.95	1338355.21
	177° 51' 14"	51.54		
1769			414957.45	1338357.14
	195° 20' 43"	56.27		
1770			414903.19	1338342.25
	182° 48' 25"	32.06		
1771			414871.17	1338340.68
	166° 54' 25"	55.84		
1772			414816.78	1338353.33
	163° 05' 49"	98.3		
1773			414722.73	1338381.91
	138° 41' 25"	35.27		
1774			414696.24	1338405.19
	151° 47' 57"	24.44		
1775			414674.7	1338416.74
	184° 05' 39"	33.9		
1776			414640.89	1338414.32
	157° 31' 41"	24.44		

1777			414618.31	1338423.66
	132° 05' 06"	22.66		
1778			414603.12	1338440.48
	167° 25' 04"	36.13		
1779			414567.86	1338448.35
	200° 35' 43"	25.67		
1780			414543.83	1338439.32
	166° 11' 33"	24.3		
1781			414520.23	1338445.12
	157° 50' 56"	24.64		
1782			414497.41	1338454.41
	109° 42' 40"	27.54		
1783			414488.12	1338480.34
	121° 14' 21"	31.39		
1784			414471.84	1338507.18
	154° 44' 12"	31.89		
1785			414443	1338520.79
	180° 00' 00"	44.3		
1786			414398.7	1338520.79
	199° 54' 19"	33.28		
1787			414367.41	1338509.46
	182° 06' 02"	51.83		
1788			414315.61	1338507.56
	162° 32' 11"	35.25		
1789			414281.98	1338518.14
	153° 27' 28"	44.69		
1790			414242	1338538.11
	147° 45' 15"	81.1		
1791			414173.41	1338581.38
	147° 30' 35"	71.66		
1792			414112.97	1338619.87
	144° 37' 14"	86.65		
1793			414042.32	1338670.04
	148° 14' 54"	117.74		
1794			413942.2	1338732
	145° 40' 26"	134.15		
1795			413831.41	1338807.65
	148° 07' 35"	209.55		
1796			413653.46	1338918.3
	145° 02' 21"	127.94		
1797			413548.61	1338991.61
	116° 28' 09"	117.72		
1798			413496.14	1339096.99
	113° 56' 34"	50.44		

1799			413475.67	1339143.09
	123° 33' 54"	456.43		
1800			413223.32	1339523.41
	30° 02' 42"	165.99		
1801			413367.01	1339606.52
	30° 10' 24"	606.78		
1802			413891.58	1339911.5
	29° 05' 17"	769.06		
1803			414563.64	1340285.38
	29° 58' 58"	121.82		
1804			414669.16	1340346.26
	106° 53' 20"	79.24		
1805			414646.14	1340422.08
	112° 47' 04"	68.84		
1806			414619.48	1340485.55
	123° 21' 07"	64.37		
1807			414584.09	1340539.32
	106° 35' 35"	47.52		
1808			414570.52	1340584.86
	109° 59' 04"	34.03		
1809			414558.89	1340616.84
	139° 39' 59"	46.41		
1810			414523.51	1340646.88
	160° 01' 01"	66.13		
1811			414461.36	1340669.48
	145° 09' 22"	10.47		
1812			414452.77	1340675.46
	143° 21' 33"	12.5		
1813			414442.74	1340682.92
	140° 59' 00"	8.28		
1814			414436.31	1340688.13
	146° 09' 55"	12.09		
1815			414426.27	1340694.86
	137° 40' 35"	15.45		
1816			414414.85	1340705.26
	138° 36' 18"	12.37		
1817			414405.57	1340713.44
	128° 09' 26"	10.33		
1818			414399.19	1340721.56
	142° 02' 48"	10.89		
1819			414390.6	1340728.26
	126° 42' 14"	8.28		
1820			414385.65	1340734.9
	138° 16' 01"	6.7		



1821			414380.65	1340739.36
	158° 20' 09"	12.41		
1822			414369.12	1340743.94
	160° 29' 10"	6.89		
1823			414362.63	1340746.24
	214° 33' 21"	6.24		
1824			414357.49	1340742.7
	230° 19' 14"	4.65		
1825			414354.52	1340739.12
	220° 13' 24"	7.73		
1826			414348.62	1340734.13
	178° 49' 03"	4.36		
1827			414344.26	1340734.22
	179° 03' 02"	3.62		
1828			414340.64	1340734.28
	178° 55' 23"	7.98		
1829			414332.66	1340734.43
	214° 00' 46"	8.87		
1830			414325.31	1340729.47
	216° 51' 22"	8.29		
1831			414318.68	1340724.5
	190° 16' 38"	14.8		
1832			414304.12	1340721.86
	176° 05' 01"	45.39		
1833			414258.84	1340724.96
	141° 40' 53"	37.5		
1834			414229.42	1340748.21
	113° 38' 59"	53.02		
1835			414208.15	1340796.78
	123° 25' 17"	65.63		
1836			414172	1340851.56
	74° 51' 24"	53.09		
1837			414185.87	1340902.81
	87° 35' 18"	52.76		
1838			414188.09	1340955.52
	138° 15' 52"	101.2		
1839			414112.57	1341022.89
	101° 17' 20"	96.19		
1840			414093.74	1341117.22
	109° 47' 20"	56.21		
1841			414074.71	1341170.11
	147° 20' 57"	56.27		
1842			414027.33	1341200.47
	179° 04' 02"	103.18		

1843			413924.16	1341202.15
	151° 14' 52"	33.87		
1844			413894.47	1341218.44
	100° 15' 16"	33.54		
1845			413888.5	1341251.44
	102° 03' 33"	44.99		
1846			413879.1	1341295.44
	78° 16' 07"	87.2		
1847			413896.83	1341380.82
	98° 27' 50"	50.48		
1848			413889.4	1341430.75
	126° 50' 23"	75.67		
1849			413844.03	1341491.31
	96° 55' 35"	22.55		
1850			413841.31	1341513.7
	42° 22' 39"	81.29		
1851			413901.36	1341568.49
	74° 52' 29"	32.54		
1852			413909.85	1341599.9
	118° 01' 39"	26.98		
1853			413897.17	1341623.72
	135° 00' 00"	21.81		
1854			413881.75	1341639.14
	73° 03' 07"	29.12		
1855			413890.24	1341667
	35° 53' 24"	30.64		
1856			413915.06	1341684.96
	74° 27' 35"	32.06		
1857			413923.65	1341715.85
	123° 50' 39"	60.85		
1858			413889.76	1341766.39
	93° 06' 44"	48.44		
1859			413887.13	1341814.76
	118° 33' 18"	97.36		
1860			413840.59	1341900.28
	85° 41' 05"	26.31		
1861			413842.57	1341926.52
	20° 33' 22"	29.14		
1862			413869.85	1341936.75
	32° 35' 33"	48.21		
1863			413910.47	1341962.72
	82° 25' 25"	41.41		
1864			413915.93	1342003.77
	123° 30' 59"	35.7		

1865			413896.22	1342033.53
	124° 55' 21"	64.86		
1866			413859.09	1342086.71
	98° 52' 19"	28.08		
1867			413854.76	1342114.45
	68° 42' 35"	34.98		
1868			413867.46	1342147.04
	50° 59' 53"	70.1		
1869			413911.58	1342201.52
	73° 48' 45"	81.93		
1870			413934.42	1342280.2
	94° 28' 00"	54.31		
1871			413930.19	1342334.35
	112° 11' 58"	55.05		
1872			413909.39	1342385.32
	76° 40' 57"	65.73		
1873			413924.53	1342449.28
	74° 59' 15"	63.2		
1874			413940.9	1342510.32
	90° 35' 35"	74.4		
1875			413940.13	1342584.72
	92° 08' 46"	80.12		
1876			413937.13	1342664.78
	75° 49' 49"	41.67		
1877			413947.33	1342705.18
	67° 45' 00"	55.99		
1878			413968.53	1342757
	99° 31' 13"	76.36		
1879			413955.9	1342832.31
	78° 37' 11"	41.61		
1880			413964.11	1342873.1
	48° 06' 20"	72.96		
1881			414012.83	1342927.41
	56° 29' 47"	74.11		
1882			414053.74	1342989.21
	83° 16' 09"	92.66		
1883			414064.6	1343081.23
	62° 33' 15"	88.15		
1884			414105.23	1343159.46
	89° 55' 00"	89.44		
1885			414105.36	1343248.9
	55° 10' 25"	51.6		
1886			414134.83	1343291.26
	82° 58' 02"	91.8		

1887			414146.07	1343382.37
	62° 16' 33"	173.34		
1888			414226.71	1343535.81
	78° 23' 33"	1.89		
1889			414227.09	1343537.66
	327° 45' 38"	16.87		
1890			414241.36	1343528.66
	326° 30' 00"	71.89		
1891			414301.31	1343488.98
	327° 40' 16"	1031.62		
1892			415173.02	1342937.29
	328° 36' 23"	311.82		
1893			415439.19	1342774.86
	59° 24' 11"	505.84		
1894			415696.66	1343210.27
	57° 00' 03"	513.75		
1895			415976.46	1343641.14
	327° 19' 20"	546.98		
1896			416436.86	1343345.82
	328° 02' 07"	613.64		
1897			416957.46	1343020.96
	317° 50' 52"	124.11		
1898			417049.47	1342937.67
	300° 32' 54"	180.26		
1899			417141.09	1342782.43
	311° 51' 43"	237.17		
1900			417299.36	1342605.8
	238° 33' 01"	854.12		
1901			416853.72	1341877.15
	328° 47' 31"	1796.84		
1902			418390.54	1340946.12
	327° 48' 43"	835.57		
1903			419097.69	1340501.01
	335° 33' 53"	54.39		
1904			419147.21	1340478.51
	335° 54' 02"	51.36		
1905			419194.09	1340457.54
	296° 34' 26"	28.61		
1906			419206.89	1340431.95
	331° 20' 43"	12.39		
1907			419217.76	1340426.01
	331° 04' 16"	100.08		
1908			419305.35	1340377.6
	330° 56' 18"	31.93		

1909			419333.26	1340362.09
	331° 18' 48"	41.44		
1910			419369.61	1340342.2
	330° 17' 42"	28.41		
1911			419394.29	1340328.12
	335° 23' 12"	74.98		
1912			419462.46	1340296.89
	351° 30' 54"	52.73		
1913			419514.61	1340289.11
	87° 05' 19"	43.71		
1914			419516.83	1340332.76
	86° 42' 58"	233.23		
1915			419530.19	1340565.61
	71° 48' 52"	275.97		
1916			419616.32	1340827.8
	55° 31' 09"	209		
1917			419734.64	1341000.08
	53° 16' 59"	208.99		
1918			419859.59	1341167.61
	49° 48' 46"	199.49		
1919			419988.32	1341320.01
	41° 11' 10"	171.05		
1920			420117.05	1341432.65
	7° 48' 51"	97.45		
1921			420213.6	1341445.9
	334° 12' 10"	126.15		
1922			420327.18	1341391
	323° 36' 53"	89.36		
1923			420399.12	1341337.99
	353° 53' 22"	106.63		
1924			420505.14	1341326.64
	28° 32' 20"	122.82		
1925			420613.04	1341385.32
	50° 37' 36"	51.93		
1926			420645.98	1341425.46
	52° 18' 06"	105.27		
1927			420710.35	1341508.75
	57° 35' 44"	252.92		
1928			420845.89	1341722.29
	60° 21' 54"	181.87		
1929			420935.82	1341880.37
	46° 17' 55"	323.24		
1930			421159.15	1342114.06
	357° 10' 32"	21.92		

1931			421181.04	1342112.98
	24° 51' 34"	29.9		
1932			421208.17	1342125.55
	42° 47' 02"	51.38		
1933			421245.88	1342160.45
	22° 08' 49"	92.07		
1934			421331.16	1342195.16
	4° 13' 22"	66.68		
1935			421397.66	1342200.07
	357° 54' 53"	177.81		
1936			421575.35	1342193.6
	30° 35' 14"	192.36		
1937			421740.94	1342291.48
	22° 12' 29"	181.55		
1938			421909.02	1342360.1
	15° 39' 20"	254.14		
1939			422153.73	1342428.68
	10° 04' 03"	154.74		
1940			422306.09	1342455.73
	350° 41' 58"	287.42		
1941			422589.73	1342409.28
	5° 02' 52"	98.76		
1942			422688.11	1342417.97
	26° 39' 15"	183.77		
1943			422852.35	1342500.41
	17° 55' 18"	105.52		
1944			422952.75	1342532.88
	8° 05' 42"	238.04		
1945			423188.42	1342566.4
	3° 12' 54"	196.31		
1946			423384.42	1342577.41
	19° 30' 49"	323.38		
1947			423689.23	1342685.43
	17° 44' 40"	126.98		
1948			423810.17	1342724.13
	24° 51' 27"	48.03		
1949			423853.75	1342744.32
	72° 57' 53"	45.06		
1950			423866.95	1342787.4
	104° 17' 34"	67.2		
1951			423850.36	1342852.52
	112° 37' 02"	83.99		
1952			423818.06	1342930.05
	96° 11' 35"	66.65		

1953			423810.87	1342996.31
	89° 22' 25"	107.95		
1954			423812.05	1343104.25
	78° 26' 22"	87.42		
1955			423829.57	1343189.9
	68° 04' 43"	151.69		
1956			423886.2	1343330.62
	59° 00' 01"	73.86		
1957			423924.24	1343393.93
	22° 36' 44"	81.22		
1958			423999.22	1343425.16
	342° 03' 30"	72.36		
1959			424068.06	1343402.87
	305° 07' 14"	48.55		
1960			424095.99	1343363.16
	279° 47' 58"	28.79		
1961			424100.89	1343334.79
	279° 52' 54"	26.51		
1962			424105.44	1343308.67
	253° 37' 01"	14.93		
1963			424101.23	1343294.35
	246° 50' 45"	30.52		
1964			424089.23	1343266.29
	241° 11' 56"	56.4		
1965			424062.06	1343216.87
	240° 16' 00"	110.85		
1966			424007.08	1343120.61
	250° 04' 28"	59.68		
1967			423986.74	1343064.5
	298° 43' 17"	26.39		
1968			423999.42	1343041.36
	333° 27' 00"	34.01		
1969			424029.84	1343026.16
	1° 58' 52"	34.71		
1970			424064.53	1343027.36
	5° 03' 29"	78.38		
1971			424142.6	1343034.27
	32° 50' 58"	102.67		
1972			424228.85	1343089.96
	46° 17' 02"	111.09		
1973			424305.62	1343170.25
	45° 55' 57"	192.46		
1974			424439.48	1343308.54
	44° 41' 04"	177.15		

1975			424565.43	1343433.11
	39° 21' 56"	70.87		
1976			424620.22	1343478.06
	67° 53' 05"	40.69		
1977			424635.54	1343515.76
	76° 58' 50"	22.55		
1978			424640.62	1343537.73
	109° 32' 29"	47.33		
1979			424624.79	1343582.33
	116° 25' 04"	46.98		
1980			424603.89	1343624.4
	130° 14' 08"	74.4		
1981			424555.83	1343681.2
	145° 05' 41"	108.68		
1982			424466.7	1343743.39
	156° 09' 20"	99.96		
1983			424375.27	1343783.8
	146° 44' 56"	31.5		
1984			424348.93	1343801.07
	140° 45' 29"	67.03		
1985			424297.02	1343843.47
	110° 44' 12"	70.55		
1986			424272.04	1343909.45
	95° 33' 47"	61.79		
1987			424266.05	1343970.95
	92° 29' 12"	43.56		
1988			424264.16	1344014.47
	88° 03' 17"	31.23		
1989			424265.22	1344045.68
	56° 42' 14"	44.37		
1990			424289.58	1344082.77
	10° 01' 27"	47.45		
1991			424336.31	1344091.03
	11° 43' 56"	42.83		
1992			424378.25	1344099.74
	351° 15' 14"	33.67		
1993			424411.53	1344094.62
	345° 41' 06"	36.4		
1994			424446.8	1344085.62
	339° 58' 14"	34.89		
1995			424479.58	1344073.67
	331° 02' 49"	53.67		
1996			424526.54	1344047.69
	327° 09' 31"	138.55		



1997			424642.95	1343972.55
	316° 41' 05"	186.63		
1998			424778.74	1343844.52
	300° 02' 57"	90.89		
1999			424824.25	1343765.85
	289° 35' 12"	100.86		
2000			424858.06	1343670.83
	284° 07' 03"	78.68		
2001			424877.25	1343594.53
	315° 55' 26"	55.69		
2002			424917.26	1343555.79
	353° 23' 01"	43.74		
2003			424960.71	1343550.75
	23° 21' 27"	51.63		
2004			425008.11	1343571.22
	59° 16' 58"	55.03		
2005			425036.22	1343618.53
	80° 27' 04"	163.06		
2006			425063.27	1343779.33
	77° 33' 10"	135.75		
2007			425092.53	1343911.89
	68° 33' 48"	131.88		
2008			425140.73	1344034.65
	54° 04' 07"	50.42		
2009			425170.32	1344075.48
	357° 33' 51"	80.7		
2010			425250.95	1344072.05
	331° 45' 19"	64.53		
2011			425307.8	1344041.51
	316° 28' 05"	75.08		
2012			425362.23	1343989.8
	304° 51' 46"	80.23		
2013			425408.09	1343923.97
	304° 26' 03"	92.05		
2014			425460.14	1343848.05
	306° 08' 41"	183.46		
2015			425568.35	1343699.9
	314° 47' 51"	92.04		
2016			425633.2	1343634.59
	319° 40' 41"	164.82		
2017			425758.86	1343527.94
	324° 49' 51"	142.8		
2018			425875.59	1343445.69
	323° 21' 16"	95.05		

2019			425951.85	1343388.96
	353° 49' 50"	126.64		
2020			426077.76	1343375.35
	335° 37' 08"	117.13		
2021			426184.44	1343327
	282° 36' 25"	71.66		
2022			426200.08	1343257.07
	274° 46' 39"	85.01		
2023			426207.16	1343172.36
	281° 32' 38"	89.85		
2024			426225.14	1343084.33
	318° 16' 05"	139.29		
2025			426329.09	1342991.61
	318° 21' 57"	87.2		
2026			426394.26	1342933.68
	285° 14' 03"	57.88		
2027			426409.47	1342877.83
	267° 17' 57"	42.87		
2028			426407.45	1342835.01
	211° 37' 25"	23.38		
2029			426387.54	1342822.75
	204° 35' 49"	57.95		
2030			426334.85	1342798.63
	191° 38' 16"	42.48		
2031			426293.24	1342790.06
	188° 22' 27"	59.74		
2032			426234.14	1342781.36
	177° 12' 39"	100.9		
2033			426133.36	1342786.27
	187° 38' 14"	70.05		
2034			426063.93	1342776.96
	196° 54' 16"	81.57		
2035			425985.88	1342753.24
	213° 09' 27"	108.91		
2036			425894.7	1342693.67
	234° 52' 05"	103.27		
2037			425835.27	1342609.21
	234° 41' 50"	61.5		
2038			425799.73	1342559.02
	297° 29' 34"	62.97		
2039			425828.8	1342503.16
	326° 34' 14"	22.56		
2040			425847.63	1342490.73
	339° 38' 09"	53.82		

2041			425898.09	1342472
	335° 53' 31"	145.84		
2042			426031.21	1342412.43
	310° 40' 18"	103.53		
2043			426098.68	1342333.91
	301° 05' 21"	63.44		
2044			426131.44	1342279.58
	283° 34' 25"	48.06		
2045			426142.72	1342232.86
	256° 13' 17"	78.77		
2046			426123.96	1342156.36
	234° 29' 07"	104.18		
2047			426063.44	1342071.56
	259° 30' 04"	30.62		
2048			426057.86	1342041.45
	269° 24' 55"	35.27		
2049			426057.5	1342006.18
	305° 56' 14"	40.18		
2050			426081.08	1341973.65
	307° 29' 28"	27.49		
2051			426097.81	1341951.84
	334° 08' 40"	27.45		
2052			426122.51	1341939.87
	341° 22' 15"	111.04		
2053			426227.73	1341904.4
	2° 36' 50"	90.12		
2054			426317.76	1341908.51
	0° 35' 25"	114.57		
2055			426432.32	1341909.69
	325° 10' 28"	58.36		
2056			426480.23	1341876.36
	326° 18' 36"	26.18		
2057			426502.01	1341861.84
	294° 29' 52"	36.95		
2058			426517.33	1341828.22
	285° 38' 45"	67.78		
2059			426535.61	1341762.95
	270° 57' 42"	56.61		
2060			426536.56	1341706.35
	261° 39' 18"	65.25		
2061			426527.09	1341641.79
	211° 27' 25"	43.63		
2062			426489.87	1341619.02
	201° 49' 08"	54.81		

2063			426438.99	1341598.65
	196° 21' 33"	46.79		
2064			426394.09	1341585.47
	214° 10' 30"	81.59		
2065			426326.59	1341539.64
	216° 07' 50"	90.99		
2066			426253.1	1341485.99
	213° 53' 22"	90.08		
2067			426178.32	1341435.76
	214° 15' 14"	47.06		
2068			426139.42	1341409.27
	258° 39' 52"	43.65		
2069			426130.84	1341366.47
	304° 09' 24"	39.5		
2070			426153.02	1341333.78
	309° 11' 07"	53.46		
2071			426186.8	1341292.34
	314° 29' 24"	43.69		
2072			426217.42	1341261.17
	317° 49' 58"	67.68		
2073			426267.58	1341215.74
	328° 13' 18"	136.09		
2074			426383.27	1341144.07
	338° 55' 34"	169.79		
2075			426541.7	1341083.02
	332° 56' 47"	149.99		
2076			426675.28	1341014.8
	332° 41' 20"	366.76		
2077			427001.16	1340846.52
	328° 05' 19"	210.52		
2078			427179.86	1340735.24
	328° 29' 30"	234.89		
2079			427380.12	1340612.48
	329° 39' 40"	146.9		
2080			427506.9	1340538.28
	332° 12' 50"	193.06		
2081			427677.7	1340448.28
	325° 48' 34"	262.91		
2082			427895.17	1340300.54
	323° 30' 08"	232.2		
2083			428081.83	1340162.43
	328° 31' 45"	97.27		
2084			428164.79	1340111.65
	329° 44' 09"	145.78		

2085			428290.7	1340038.18
	334° 26' 47"	167.22		
2086			428441.56	1339966.05
	342° 42' 40"	82.37		
2087			428520.21	1339941.57
	359° 09' 40"	42.34		
2088			428562.55	1339940.95
	15° 54' 57"	23.89		
2089			428585.52	1339947.5
	39° 48' 48"	9.39		
2090			428592.73	1339953.51
	57° 56' 52"	32.5		
2091			428609.98	1339981.06
	73° 21' 38"	27.55		
2092			428617.87	1340007.46
	67° 30' 00"	23.91		
2093			428627.02	1340029.55
	71° 53' 39"	26.42		
2094			428635.23	1340054.66
	81° 09' 41"	106.15		
2095			428651.54	1340159.55
	75° 29' 58"	69.13		
2096			428668.85	1340226.48
	61° 05' 38"	54.74		
2097			428695.31	1340274.4
	41° 12' 40"	40.88		
2098			428726.06	1340301.33
	22° 20' 46"	42.19		
2099			428765.08	1340317.37
	25° 55' 22"	47.47		
2100			428807.77	1340338.12
	0° 21' 54"	67.49		
2101			428875.26	1340338.55
	4° 12' 35"	77.24		
2102			428952.29	1340344.22
	13° 08' 54"	59		
2103			429009.74	1340357.64
	37° 10' 41"	44.99		
2104			429045.59	1340384.83
	51° 10' 11"	50.92		
2105			429077.52	1340424.5
	60° 39' 48"	71.03		
2106			429112.32	1340486.42
	52° 38' 53"	72.74		

2107			429156.45	1340544.24
	51° 24' 14"	99.72		
2108			429218.66	1340622.18
	47° 23' 24"	32.22		
2109			429240.47	1340645.89
	7° 44' 22"	28.22		
2110			429268.43	1340649.69
	350° 54' 15"	35.99		
2111			429303.97	1340644
	335° 16' 49"	41.94		
2112			429342.07	1340626.46
	315° 54' 35"	49.89		
2113			429377.9	1340591.75
	317° 03' 06"	59.65		
2114			429421.56	1340551.11
	321° 20' 37"	52.67		
2115			429462.69	1340518.21
	314° 12' 51"	87.66		
2116			429523.82	1340455.38
	328° 48' 49"	60.06		
2117			429575.2	1340424.28
	335° 50' 19"	55.02		
2118			429625.4	1340401.76
	351° 29' 40"	40.36		
2119			429665.32	1340395.79
	3° 34' 18"	106.43		
2120			429771.54	1340402.42
	4° 28' 42"	112.19		
2121			429883.39	1340411.18
	9° 17' 47"	207.69		
2122			430088.35	1340444.73
	10° 37' 43"	155.17		
2123			430240.86	1340473.35
	30° 51' 04"	131.65		
2124			430353.88	1340540.86
	31° 50' 42"	68.91		
2125			430412.42	1340577.22
	18° 20' 36"	43.56		
2126			430453.77	1340590.93
	45° 00' 00"	49.79		
2127			430488.98	1340626.14
	66° 57' 18"	38.68		
2128			430504.12	1340661.73
	88° 16' 34"	76.12		

2129			430506.41	1340737.82
	113° 10' 31"	80.7		
2130			430474.65	1340812.01
	126° 44' 24"	62.66		
2131			430437.17	1340862.22
	132° 46' 19"	64.2		
2132			430393.57	1340909.35
	106° 10' 43"	103.29		
2133			430364.79	1341008.55
	87° 08' 48"	53.24		
2134			430367.44	1341061.72
	47° 40' 32"	74.23		
2135			430417.42	1341116.6
	33° 28' 32"	108.2		
2136			430507.67	1341176.28
	40° 47' 12"	75.45		
2137			430564.8	1341225.57
	37° 29' 47"	80.3		
2138			430628.51	1341274.45
	41° 20' 54"	56.73		
2139			430671.1	1341311.93
	18° 41' 17"	45.1		
2140			430713.82	1341326.38
	43° 18' 54"	30.54		
2141			430736.04	1341347.33
	49° 34' 58"	23.98		
2142			430751.59	1341365.59
	46° 24' 32"	18.69		
2143			430764.48	1341379.13
	56° 19' 06"	19.06		
2144			430775.05	1341394.99
	56° 32' 58"	23.87		
2145			430788.21	1341414.91
	65° 09' 58"	25.17		
2146			430798.78	1341437.75
	69° 29' 49"	27.78		
2147			430808.51	1341463.77
	68° 12' 15"	57.5		
2148			430829.86	1341517.16
	61° 34' 46"	191.28		
2149			430920.9	1341685.39
	56° 25' 02"	103.55		
2150			430978.18	1341771.66
	61° 51' 38"	47.37		

2151			431000.52	1341813.43
	83° 35' 45"	160.92		
2152			431018.47	1341973.35
	84° 22' 44"	77.69		
2153			431026.08	1342050.67
	76° 14' 08"	65.94		
2154			431041.77	1342114.72
	67° 39' 58"	70.13		
2155			431068.42	1342179.59
	55° 44' 03"	79.5		
2156			431113.18	1342245.29
	30° 16' 29"	99.4		
2157			431199.02	1342295.4
	34° 32' 14"	134.49		
2158			431309.81	1342371.65
	37° 27' 52"	94.47		
2159			431384.79	1342429.11
	60° 14' 54"	52.29		
2160			431410.74	1342474.51
	80° 38' 18"	146		
2161			431434.49	1342618.57
	75° 13' 33"	120.15		
2162			431465.13	1342734.75
	75° 26' 09"	100.53		
2163			431490.41	1342832.05
	78° 14' 08"	162.64		
2164			431523.57	1342991.27
	72° 27' 33"	68.29		
2165			431544.15	1343056.38
	56° 49' 00"	71.2		
2166			431583.12	1343115.97
	28° 36' 07"	69.33		
2167			431643.99	1343149.16
	27° 58' 32"	79.02		
2168			431713.78	1343186.23
	25° 05' 56"	36.35		
2169			431746.7	1343201.65
	42° 14' 29"	52.45		
2170			431785.53	1343236.91
	49° 54' 23"	38.44		
2171			431810.29	1343266.32
	59° 13' 32"	56.6		
2172			431839.25	1343314.95
	58° 13' 17"	77.17		



2173			431879.89	1343380.55
	84° 51' 26"	40.16		
2174			431883.49	1343420.55
	76° 36' 27"	28.06		
2175			431889.99	1343447.85
	83° 57' 09"	28.76		
2176			431893.02	1343476.45
	82° 30' 25"	33.2		
2177			431897.35	1343509.37
	76° 30' 42"	68.98		
2178			431913.44	1343576.45
	51° 30' 49"	36.09		
2179			431935.9	1343604.7
	33° 30' 09"	32.18		
2180			431962.73	1343622.46
	18° 47' 38"	54.01		
2181			432013.86	1343639.86
	340° 25' 49"	27.47		
2182			432039.74	1343630.66
	327° 20' 07"	25.88		
2183			432061.53	1343616.69
	317° 55' 12"	33.04		
2184			432086.05	1343594.55
	294° 19' 40"	44.91		
2185			432104.55	1343553.63
	283° 27' 29"	105.49		
2186			432129.1	1343451.04
	297° 25' 17"	100.56		
2187			432175.41	1343361.78
	325° 26' 24"	68.87		
2188			432232.13	1343322.71
	356° 11' 20"	39.12		
2189			432271.16	1343320.11
	358° 14' 40"	31.33		
2190			432302.48	1343319.15
	349° 15' 33"	20.34		
2191			432322.46	1343315.36
	6° 48' 59"	126.13		
2192			432447.7	1343330.33
	359° 17' 33"	79.38		
2193			432527.07	1343329.35
	345° 14' 11"	95.16		
2194			432619.09	1343305.1
	333° 22' 20"	212.74		

2195			432809.27	1343209.75
	339° 14' 30"	131.68		
2196			432932.4	1343163.08
	352° 06' 04"	122.68		
2197			433053.92	1343146.22
	7° 30' 54"	57.96		
2198			433111.38	1343153.8
	16° 11' 14"	75.15		
2199			433183.55	1343174.75
	22° 11' 28"	54.59		
2200			433234.1	1343195.37
	26° 53' 59"	68.12		
2201			433294.85	1343226.19
	17° 32' 07"	62.63		
2202			433354.57	1343245.06
	15° 02' 23"	124.78		
2203			433475.08	1343277.44
	15° 35' 09"	58.66		
2204			433531.58	1343293.2
	358° 08' 01"	118.21		
2205			433649.73	1343289.35
	2° 31' 24"	107.2		
2206			433756.83	1343294.07
	17° 17' 20"	196.37		
2207			433944.33	1343352.43
	26° 15' 28"	225.09		
2208			434146.19	1343452.01
	28° 42' 02"	340.71		
2209			434445.04	1343615.63
	11° 53' 24"	144.35		
2210			434586.29	1343645.37
	351° 41' 12"	281.84		
2211			434865.17	1343604.62
	356° 14' 24"	139.53		
2212			435004.4	1343595.47
	32° 07' 39"	59.19		
2213			435054.53	1343626.95
	73° 22' 07"	89.02		
2214			435080.01	1343712.25
	104° 44' 55"	138.31		
2215			435044.8	1343846
	81° 41' 23"	136.3		
2216			435064.5	1343980.87
	46° 23' 15"	251.14		

2217			435237.73	1344162.7
	57° 31' 03"	129.75		
2218			435307.41	1344272.15
	30° 46' 46"	218.1		
2219			435494.79	1344383.76
	31° 44' 05"	97.63		
2220			435577.82	1344435.11
	49° 25' 22"	44.01		
2221			435606.45	1344468.54
	55° 32' 03"	45.06		
2222			435631.95	1344505.69
	77° 28' 16"	44.44		
2223			435641.59	1344549.07
	91° 09' 48"	56.15		
2224			435640.45	1344605.21
	94° 49' 44"	195.05		
2225			435624.03	1344799.57
	72° 56' 03"	49.24		
2226			435638.48	1344846.64
	40° 21' 28"	89.03		
2227			435706.32	1344904.29
	4° 46' 32"	87.8		
2228			435793.82	1344911.6
	331° 36' 05"	64.57		
2229			435850.62	1344880.89
	321° 10' 21"	70.96		
2230			435905.9	1344836.4
	314° 06' 30"	146.33		
2231			436007.75	1344731.33
	323° 44' 51"	117.68		
2232			436102.65	1344661.74
	318° 23' 27"	9.8		
2233			436109.98	1344655.23
	312° 29' 42"	154.66		
2234			436214.46	1344541.19
	327° 14' 22"	147.73		
2235			436338.69	1344461.25
	350° 37' 39"	137.55		
2236			436474.4	1344438.85
	8° 00' 47"	67.86		
2237			436541.6	1344448.31
	61° 38' 33"	67.77		
2238			436573.79	1344507.95
	107° 04' 01"	100		

2239			436544.44	1344603.55
	111° 35' 44"	97.73		
2240			436508.47	1344694.42
	100° 51' 54"	120.48		
2241			436485.76	1344812.74
	89° 14' 53"	69.34		
2242			436486.67	1344882.07
	34° 27' 32"	72.97		
2243			436546.84	1344923.36
	344° 15' 30"	132.03		
2244			436673.92	1344887.54
	328° 30' 58"	152.3		
2245			436803.8	1344808
	331° 47' 32"	280.34		
2246			437050.85	1344675.49
	330° 54' 52"	183.04		
2247			437210.81	1344586.51
	341° 00' 28"	86.16		
2248			437292.28	1344558.47
	340° 52' 06"	314.21		
2249			437589.14	1344455.49
	341° 37' 59"	189.18		
2250			437768.68	1344395.88
	359° 07' 45"	94.76		
2251			437863.43	1344394.44
	345° 51' 43"	104.97		
2252			437965.22	1344368.8
	340° 48' 24"	121.12		
2253			438079.61	1344328.98
	358° 54' 04"	68.31		
2254			438147.91	1344327.67
	36° 11' 48"	68.43		
2255			438203.13	1344368.08
	43° 01' 12"	124.65		
2256			438294.26	1344453.12
	19° 31' 14"	74.1		
2257			438364.1	1344477.88
	355° 33' 06"	124.94		
2258			438488.66	1344468.19
	341° 06' 31"	263.11		
2259			438737.6	1344383
	9° 36' 32"	125.33		
2260			438861.17	1344403.92
	19° 57' 04"	170.07		

2261			439021.03	1344461.95
	19° 40' 34"	169.05		
2262			439180.21	1344518.87
	20° 25' 54"	109.37		
2263			439282.7	1344557.05
	342° 06' 00"	98.22		
2264			439376.17	1344526.86
	303° 43' 28"	73.96		
2265			439417.23	1344465.35
	282° 12' 30"	165.61		
2266			439452.25	1344303.49
	271° 55' 25"	173.09		
2267			439458.06	1344130.5
	289° 37' 11"	120.82		
2268			439498.63	1344016.69
	305° 32' 16"	48.86		
2269			439527.03	1343976.93
	333° 42' 22"	89.73		
2270			439607.48	1343937.18
	349° 08' 43"	70.36		
2271			439676.58	1343923.93
	19° 59' 57"	69.97		
2272			439742.33	1343947.86
	41° 52' 59"	42.91		
2273			439774.28	1343976.51
	55° 07' 11"	61.69		
2274			439809.56	1344027.12
	68° 52' 22"	63.76		
2275			439832.54	1344086.59
	73° 35' 08"	112.92		
2276			439864.45	1344194.91
	63° 35' 16"	73.74		
2277			439897.25	1344260.95
	0° 44' 22"	68.98		
2278			439966.22	1344261.84
	350° 05' 04"	38.44		
2279			440004.09	1344255.22
	332° 35' 37"	57.57		
2280			440055.2	1344228.72
	329° 44' 19"	92.05		
2281			440134.71	1344182.33
	340° 50' 51"	95.19		
2282			440224.63	1344151.1
	6° 14' 53"	57.7		

2283			440281.99	1344157.38
	23° 08' 02"	60.53		
2284			440337.65	1344181.16
	38° 53' 27"	43.79		
1			440371.73	1344208.65».

## Статья 2

Настоящий Закон вступает в силу на следующий день после дня его официального опубликования.

Глава

Тамбовской области М.Егоров



г. Тамбов

« 30 » октября 2024 г.

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