INGENIERÍA &
CONSTRUCCIONES

INFORME TOPOGRAFICO

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INFORME TOPOGRAFIA_04

MEJORAMIENTO DE VIA RURAL DE LA VEREDA ARGENTINA SUR EN EL MUNICIPIO DE LA JAGUA DE IBIRICO, DEPARTAMENTO DEL CESAR

LA JAGUA DE IBIRICO– CESAR

Tabla de contenido

INTRODUCCIÓN 3
PLANIMETRIA 7
DESCRIPCION DE LOS TRABAJOS 7
METODOLOGIA 8
POSICIONAMIENTO 8
LEVANTAMIENTO TOPOGRÁFICO 8
CARTERA DE DETALLES 10
PRECISIÓN EN LA MECIÓN Y LA POSICIÓN 10
REGISTRO DE DATOS 11
EQUIPO Y PERSONAL 14
EQUIPOS. 14
ANEXOS 20
CONTROL DE EJECUCION DE DISEÑO 92

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REGISTRO DE DATOS 11
EQUIPO Y PERSONAL 14
EQUIPOS. 14
ANEXOS 20
CONTROL DE EJECUCION DE DISEÑO 92

INTRODUCCIÓN

La relevancia de una topografía es poder tener el insumo necesario para un diseño, además que permite poder hacerles seguimiento y control a las diferentes etapas del mismo, las actividades desarrolladas se dan en la zona rural del municipio de la Jagua de Ibirico aproximadamente a 13 kilómetro del corregimiento de la victoria de san isidro donde se localiza el inicio de vía veredas Argentina norte y Argentina Sur.

Para dar inicio estas actividades se amojonaron en puntos estratégicos los cuales fueron georreferenciados, así se inició en descendentes desde el kilómetro 11+000 punto conocido como el espejo hacia el kilómetro 0+000. El sistema de medición se realizó con poligonal abierta detallando cada elemento encontrado a lo largo de la medida hasta llegar a la placa huella existente en kilómetro 0+420 de igual manera se midió hasta el kilómetro 0+000 para así poder abscisar preciso el final y así poder localizar el sector a intervenir por parte del proyecto.



FOTO N° 1 Y 2 PUNTO GEOREFERNCIADO PARA POLIGONAL DE APOYO LEVANTAMIENTO.

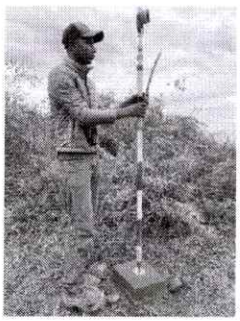


FOTO 3 Y 4 LOCALIZACIO GPS_4.

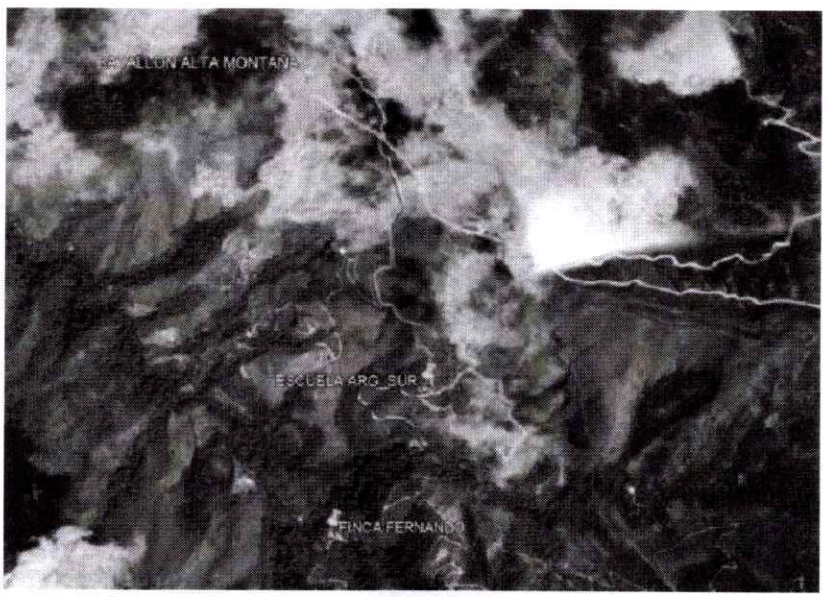


FIGURA N° 1 GEOPOSICIONAMIENTO GPS 3 Y GPS 4.

El desarrollo de las actividades para este levantamiento topográfico tomo como referencia el vértice mojón IGAC-20400003 y 20400004 ubicado en el corregimiento de la victoria de san isidro, barrio los fundadores Municipio de la Jagua de Ibirico. Ver anexo 1.



FIGURA N° 2 Localización de puntos igag



FIGURA N° 3 Esquema de localización inicio y general del Tramo del proyecto Base Google Earth.

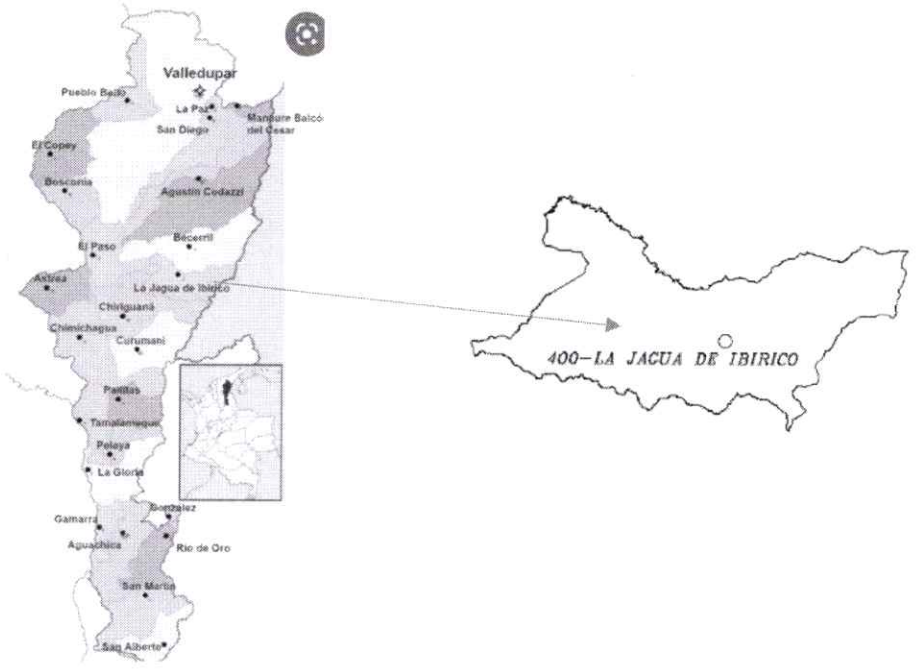


FIGURA N° 4 Y 5. Levantamiento Topográfico localización

El Municipio de la Jagua de Ibirico se encuentra en el centro del Departamento del Cesar, con tres corregimientos en siendo su principal por despensa y producción la victoria de san isidro siendo una de sus actividades agrícolas, tal como el plátano, el café, el maíz, entre otros.

La vía a intervenir se encuentra en la zona rural siendo un corredor de gran importancia para la movilización los productos dinamizantes de su economía como es el café.

OBJETIVOS

OBJETIVOS GENÉRALES

Proporcionar la información necesaria para el procesamiento digital y obtener un modelo acorde a los accidentes topográfico en campo.

OBJETIVOS ESPECÍFICOS.

Entre los objetivos específicos que se persiguen con la realización de este estudio se encuentran:

./ Realizar el levantamiento plani-altimétrico en la zona de influencia del proyecto, con el fin de obtener la información de todos los elementos existentes, su ubicación y características, los cuales se verán afectados con la construcción y adecuación del área de estudio.

./ Poder tener un modelo acorde para el seguimiento ejecutorio de las diferentes actividades..

./ Sistematizar la cartografía de la zona de influencia directa del proyecto en estudio, utilizando medios computacionales, a fin de servir de base en los estudios de consultoría de las obras de adecuación.

PLANIMETRIA

DESCRIPCION DE LOS TRABAJOS

COMOSIÓN DE TOPOGRÁFIA Y RESUMEN LEVANTAMIENTO.

Topógrafo: Alexander Manjarrez Campo Lic.01-11593 C.PN.T. (Ver anexo)

Auxiliar1: Elver Quintero.

Auxiliar 2: Nelson Quintero.

Auxiliar oficina: Javier Ricardo Sánchez.

METODOLOGIA

POSICIONAMIENTO

- Georreferenciación Del Área para el desarrollo de proyecto mediante poligonal dejando punto para amarres en cada uno de los sitios. A continuación, se relacionan los resultados obtenidos anexos al presente informe.

LEVANTAMIENTO TOPOGRÁFICO

Se realizó el levantamiento topográfico, amarrando el proyecto al punto posicionado por INSTITUTO GEOGRAFICO AGUSTIN CODAZZI llamado 20400004, en el corregimiento de la Victoria de San Isidro desde donde se da geo posicionamiento a unos mojones localizados uno en la escuela Zumbador y el otro en el km 9+880 lado derecho.

Puntos producto de la poligonal. A continuación, se describe los atributos de los puntos.



LA PROPIEDAD S.A.S.
¡PROTEGE TUS BIENES!

Resumen de Proyecto

1 COORDENADAS
Nombre de proyecto: 2023-02-27 Trasladado
Carpeta de proyecto: D:\1 CLIENTES ALEX MANJARREZ\2023 AÑO\MAGNET TOOLS
Fecha de Creación: 2/03/2023 9:47:24
Creado por: Richard
Comentario:
Unidad lineal: Metros
Unidades angulares: DMS
Proyección: Colombia-Bogota MAGNA
Datum: SIRGAS
Geoide: geocol2004
Huso Horario: (UTC-05:00) Bogotá, Lima, Quito, Rio Branco

COORDENADAS ELIPSOIDALES

Nombre$Punto	WGS84 Longitud	WGS84 Latitud	WGS84 H Elip. (m)	Código
20400004	73°14'14.45224"W	9°33'08.77870"N	203.221	Base
GPS3	73°11'36.88135"W	9°33'47.77557"N	1451.960	
GPS4	73°11'40.25925"W	9°33'33.19564"N	1489.083	

COORDENADAS CUADRICULA

Nombre$Punto	Coord Este Cuadricula (m)	Coord Norte Cuadricula (m)	Elevación (m)	Código
20400004	1092252.028	1551918.694	203.154	Base
GPS3	1097003.203	1543754.499	1450.939	
GPS4	1096951.924	1543396.332	1488.010	

COORDENADAS GEOCÉNTRICA

Nombre$Punto	X (m)	Y (m)	z (m)	Ondulación de Geoide (m)	Código	Estnd Desv n (m)	Estnd Desv e (m)
20400004	1814043.851	-6022795.911	1033133.788	0.667	Base	0.000	0.000
GPS3	1819298.714	-6023368.064	1049250.525	1.022		0.003	0.004
GPS4	1819232.680	-6023503.710	1048814.895	1.068		0.003	0.004

FIGURA N° 6 DATOS DE GEOREFERENCIA.

Atributos de los mojones localizados en cada uno de los tramos.

FIGURA N° 7 CUADRO DE GEOREFERENCIA POLIGONAL.



FOTOS N° 5 Y 6 GPS_S_1 INICIO KM 0+00.

Posteriormente una poligonal detallando cada elemento encontrado en sito por medio de radiación y con puntos de apoyo para lograr los detalles a lo largo de los sectores a intervenir esta toma de detalles se realizó una estación total GTS-235W TOPCON. (anexos certificados de calibración).

Mediante el desarrollo de los estudios topográficos, se obtuvo la información detallada de todas las componentes e infraestructura del área de influencia del proyecto; así también de los elementos ubicados en la zona. En términos generales, este estudio proporcionó la información de las características topográficas actuales del área de influencia directa del proyecto.

Así mismo las diferentes limitaciones, como los cercados delimitadores de la propiedad privada, determinando los limites laterales de los sectores.

CARTERA DE DETALLES

Ver anexo.

PRECISIÓN EN LA MECIÓN Y LA POSICIÓN

Las mediciones de la posición y de la altura dependen de factores como: tiempo de la medición temperatura, Dentro de esta actividad, se plantearon y discutieron las diferentes alternativas que se pueden presentar para la elaboración de los estudios, se determinaron los frentes de trabajo, se dictaron prioridades en la sectorización de acuerdo a sus características y por último se definió el nivel de precisión al que se llegó con cada actividad involucrada en el estudio. Las actividades principales para la calidad y precisión en el trabajo de campo o recolección de datos de campo, se listan a continuación:

1. Creación de poligonales de apoyo (puntos con coordenadas y cotas).
2. Levantamiento de todos los detalles topográficos en coordenadas y cotas.

   i) Levantamiento Planimétricos -Altimétrico de alta precisión.

ii) Equipo utilizado: estación Total Digital de alta precisión TOPCON GTS 235W, con colector interno de datos. O Parámetros de precisión:

iii) Angular= Lectura mín. 1"

iv) Localización de elementos constructivos existentes.

v) Método utilizado, poligonal de apoyo. Long. = 1 mm por Kilómetro doble lectura.

vi) El colector interno minimiza la posibilidad de cometer errores de transcripción o Manipulación de datos ya que estos se exportan directamente de la estación al software De cálculo (PC) y dibujo.

vii) Cierre Longitudinal permisible: Superior a 1 :5000

viii) Cierre angular permisible: = axn = 6"

REGISTRO DE DATOS

- **Procesamiento de la información de campo.**

Las principales actividades de procesamiento de la información de campo, hacen referencia a la Revisión, Organización y archivo; estas son listadas a continuación:

i) Creación de datos en los colectores electrónicos de información.
ii) Revisión y ajuste de los registros electrónicos de campo.
iii) Transferencia de los datos al software especializado en topografía.
iv) Archivo de la información.
v) Elaboración de la planta general de la zona de estudio.

- **Procesamiento en oficina**

Con los puntos procesados se envían los datos a oficina para completar el proceso de dibujo sea crean los planos planta, perfil y secciones de las cuales se aplica

las características de la presentación de planos a partir de convenciones, colores, tamaños de letra, escudos, numeración, entre otros, ejemplos de ello son:

PROCESAMIENTOS DE DATOS CRUDOS CON TOPCONLINK

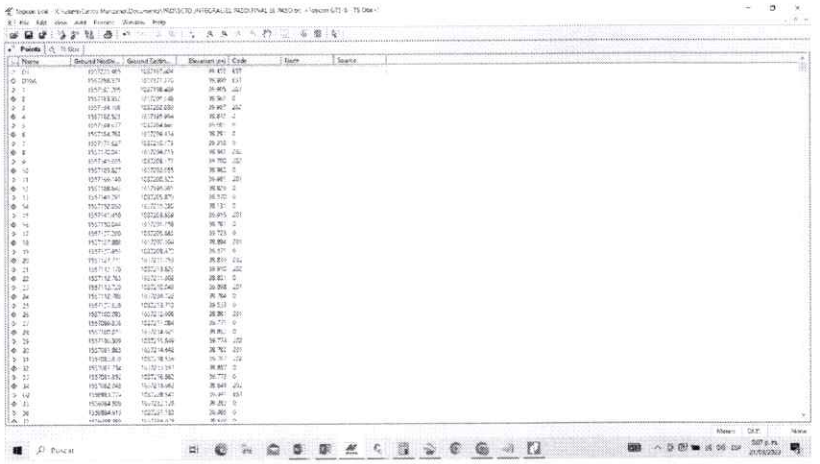
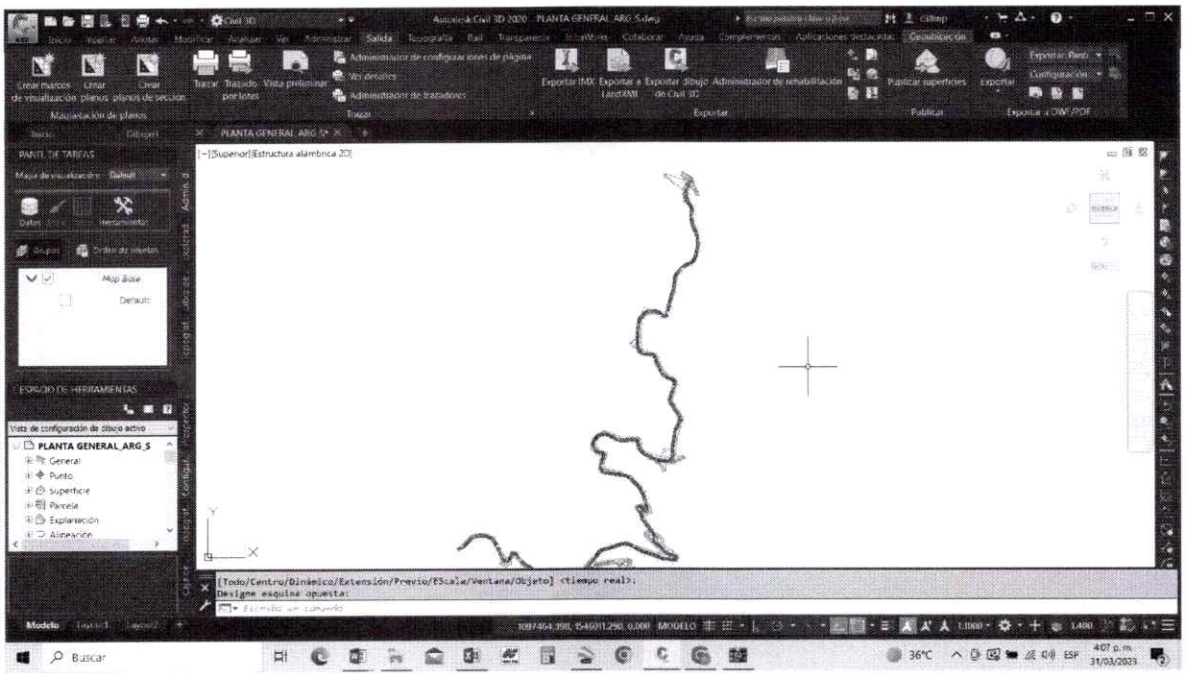


FIGURA N°8. Procesado de datos de campo del proyecto.

Líneas de paramentos, cercos, ubicación de deltas, postes, zonas verdes, arboles, entre otros que marcan la vía existente y dan una imagen aproximada a la realidad que se encuentra en el área del levantamiento topográfico.



. FIGURA N°9. Planta general del Levantamiento topográfico de las zonas del proyecto KM 0+00 AL KM 2 SECTOR_PRINCIPAL.

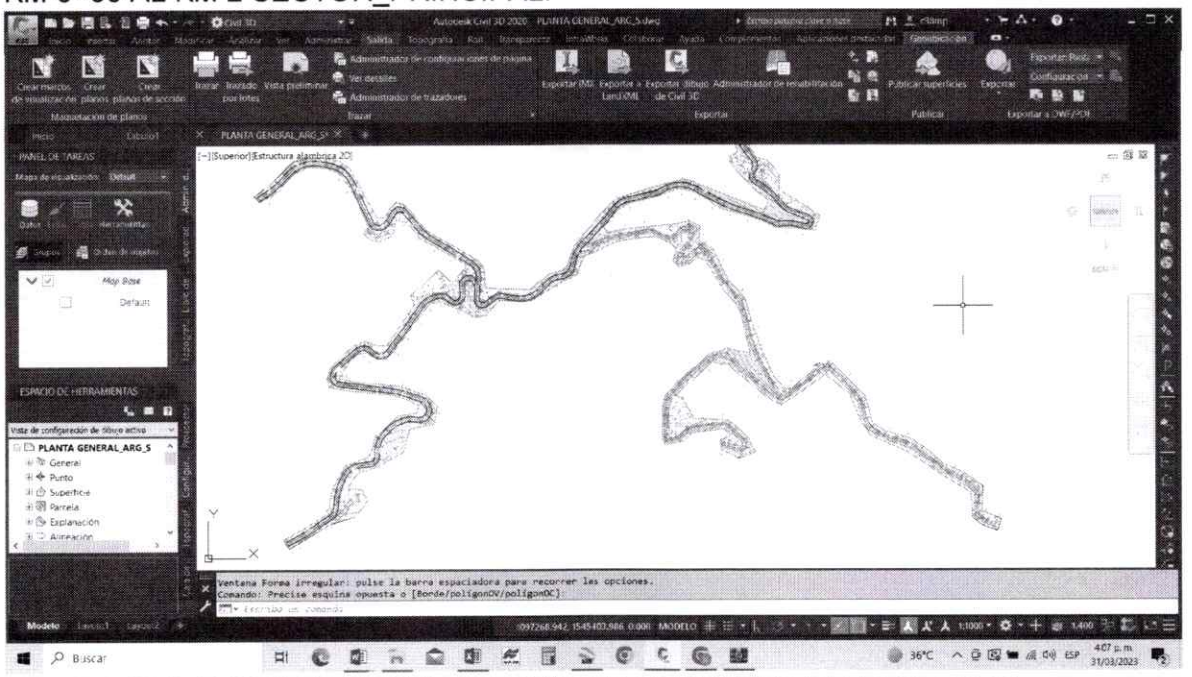


FIGURA N°10 RAMALES HACIA DIFERENTES SECTORES DE LA VEREDA.

Este proceso se realiza con la ayuda del programa AutoCAD CIVIL 2019, como primer paso se insertan los puntos obtenidos de los datos anteriormente descritos.

Software

AUTOCAD 2013 /DIBUJOTOPCON LINK /DESCARGA DE DATOS
AUTOCAD CIVIL 3D 2014/ DIBUJO EXCEL /CALCULO.

EQUIPO Y PERSONAL

Para la ejecución de los trabajos topográficos en el proyecto se organizó una comisión de topografía, compuesta por un topógrafo, dos cadeneros y un auxiliar de oficina, dotados de un equipo, una estación total.

EQUIPOS.

PRECISIÓN	EQUIPO	No. SERIE / ID
5" seg	Estación TOPCON AT – B6	MZ5628

REGISTRO FOTOGRAFICO

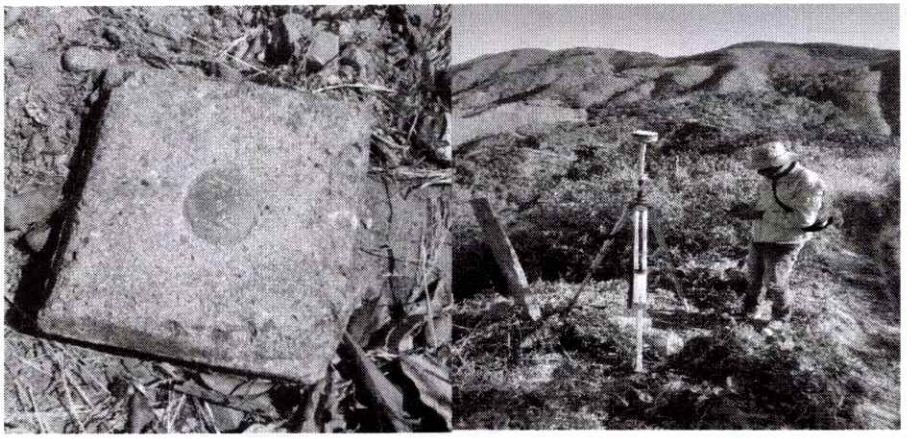
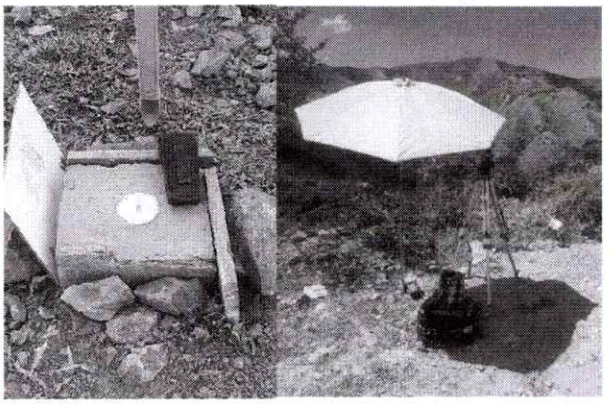


FOTO N° 1 Y 2 PUNTO GEOREFERNCIADO PARA POLIGONAL DE APOYO LEVANTAMIENTO.

FOTO 3 Y 4 LOCALIZACIO GPS_3.



FOTOS N° 5 Y 6 GPS_S_1 INICIO KM 0+00.

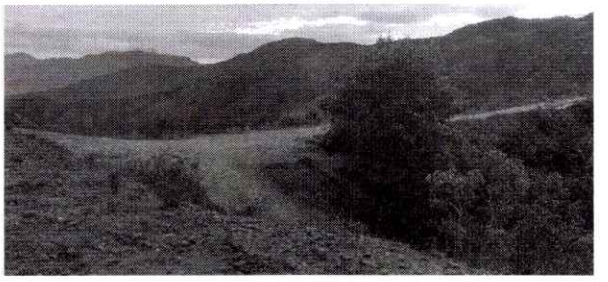


FOTO N° 7 INTERSECCION ARGENTINA NORTE Y SUR KM 0+000.



FOTOS N° 8 Y 9 AMARREA DELTA Y TOMA DE DETALLES.

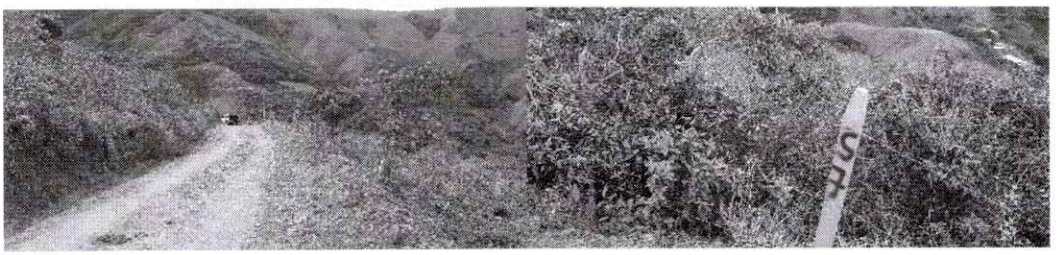


FOTO N° 10 Y 11 TRASLADO DE DELTAS DE AMARRE.

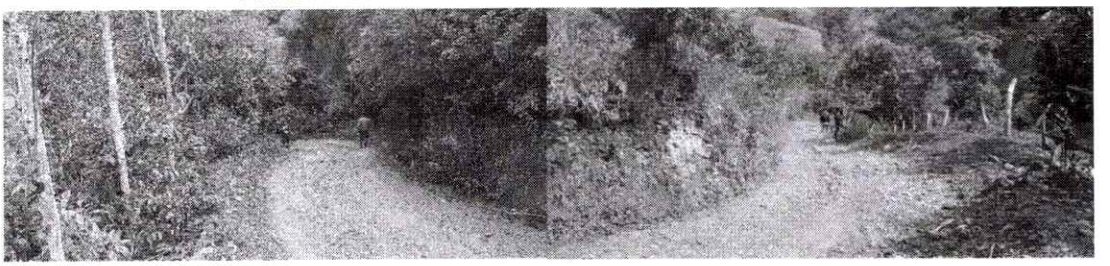
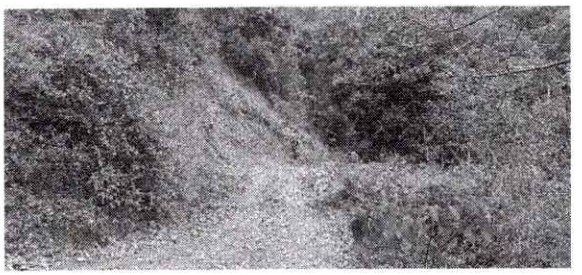


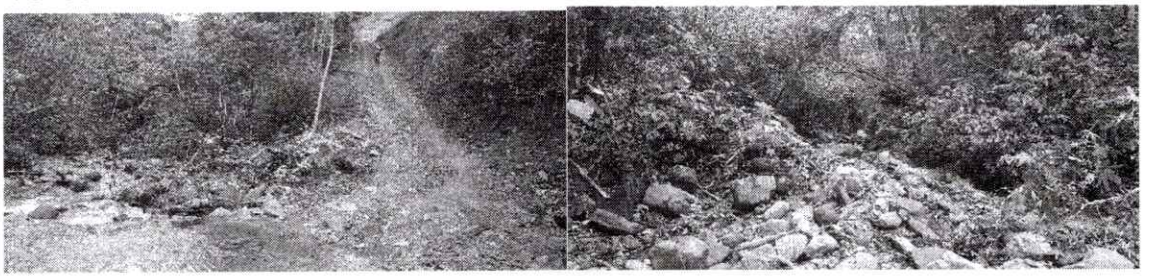
FOTO N° 12 TOMA DE DETALLES VIA LATERALES.



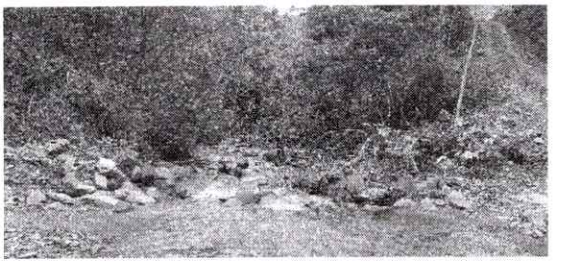
FOTS N° 13 MATERIALIZACION DE PUNTOS DE POLIGONAL DE APOYO.



FOTOS N ° 14 Y 15 TOMA DE TALUDES Y BORBE VIA SECTOR LA OREJA LLEGADA A QUEBRADA.



FOTOS N° 16 DETALLES AGUA ARRIBA QUEBRADA.



FOTOS N ° 17 TOMA DETALLES AGUAS ABAJO QUEBADA.



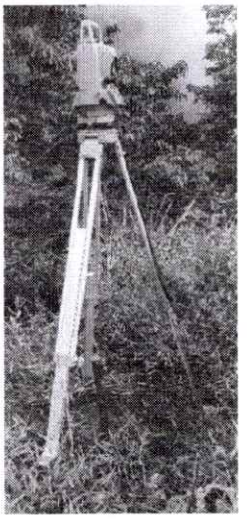
FOTO N ° 18 POSICIONAMIENTO DE EQUIPO Y TOMA DE DETALLES.



FOTOS N ° 19 TOMA DE DETALLA RAMAL 1 VIA FERNANDO CARMONA.



FOTOS N ° 20 TOMA DE DETALLES SECTOR RAMAL 3 LOS GALPONES.



FOTOS N ° 21 DELTA AMARRE TRAMO FENANDO CARMONA TRAMO 2.



FOTO N ° 22 SECCION TERRENO TRAMO 2 Y TRAMO 3.



FOTO N° 23 INTERSECCION TRAMO 2.



ANEXOS

Anexo N° 1. Carteras de detalles

CARTERA DE CAMPO				
PUNTOS	ESTE	NORTE	COTA	CODIGO
1	1097124.22	1546493.98	1585.9	EST
2	1097078.51	1546530.28	1584.691	EST
3	1097128.89	1546511.47	1585.699	0
4	1097118.88	1546508.27	1586.055	0
5	1097134.95	1546508.55	1585.338	203
6	1097111.48	1546502.35	1585.412	0
7	1097137.17	1546513.76	1585.217	0
8	1097137.84	1546515.69	1585.175	0
9	1097135.63	1546520.14	1586.165	0
10	1097135.55	1546519.79	1587.066	0
11	1097144.39	1546515.73	1583.821	0
12	1097132.07	1546524.26	1588.626	0
13	1097144.55	1546516.8	1583.496	0
14	1097132.32	1546524.52	1587.185	0
15	1097144.71	1546517.02	1584.153	0
16	1097126.83	1546529.55	1588.736	0
17	1097126.74	1546529.19	1589.851	0
18	1097138.28	1546523.29	1585.864	0
19	1097138.6	1546523.63	1585.767	0
20	1097122.1	1546532.93	1590.413	0
21	1097139.06	1546524.04	1586.805	0
22	1097122.39	1546533.29	1589.729	0
23	1097125.45	1546537.71	1591.145	0
24	1097132.06	1546530.12	1587.66	0
25	1097132.74	1546532.16	1589.821	0
26	1097123.6	1546537.58	1589.676	0
27	1097122.49	1546535.37	1589.808	0
28	1097126.96	1546531.55	1588.768	0
29	1097133.93	1546525	1586.872	0
30	1097139.33	1546518.04	1585.094	0
31	1097165.72	1546475.88	1586.867	201
32	1097164.61	1546476.35	1586.163	0
33	1097145.96	1546510.72	1583.419	0
34	1097167.75	1546476.6	1586.843	0

35	1097149.89	1546505.4	1583.325	0
36	1097170.06	1546476.91	1587.005	202
37	1097171.26	1546477.2	1587.164	0
38	1097156.77	1546504.32	1582.997	0
39	1097166.91	1546486.79	1585.153	0
40	1097165.56	1546486.23	1585.798	202
41	1097159.03	1546492.5	1584.462	0
42	1097163.98	1546485.33	1585.328	0
43	1097163.98	1546485.31	1585.331	0
44	1097161.57	1546492.46	1584.533	202
45	1097161.74	1546484.61	1585.392	201
46	1097162.63	1546492.94	1583.865	0
47	1097160.83	1546484.21	1586.014	0
48	1097159.55	1546484.26	1584.335	0
49	1097159.6	1546492.11	1584.354	0
50	1097157.74	1546491.83	1584.577	201
51	1097149.67	1546500.08	1583.782	201
52	1097156.29	1546490.92	1583.379	0
53	1097152.49	1546502.59	1583.607	0
54	1097155.69	1546504.49	1583.416	202
55	1097146.69	1546501.16	1583.204	201
56	1097145.86	1546499.15	1582.744	0
57	1097153.67	1546516.55	1581.898	202
58	1097142.53	1546504.2	1582.957	0
59	1097139.38	1546506.23	1583.271	203
60	1097152.54	1546522.5	1581.161	202
61	1097137.75	1546506.92	1583.9	0
62	1097150.14	1546520.55	1581.494	0
63	1097147.52	1546518.32	1581.869	0
64	1097140.08	1546498.12	1582.197	201
65	1097148.87	1546513.12	1582.462	0
66	1097141.07	1546497.2	1581.424	0
67	1097147.15	1546516.05	1582.426	0
68	1097137.67	1546498.54	1582.088	0
69	1097135.62	1546499.12	1581.982	203
70	1097134.5	1546498.73	1582.733	0
71	1097133.55	1546484.94	1580.596	203
72	1097131.69	1546485.28	1583.191	0
73	1097132.27	1546468.91	1579.326	203

74	1097135.34	1546484.94	1580.828	0
75	1097131.06	1546469.08	1579.531	0
76	1097137.41	1546484.7	1582.006	201
77	1097128.47	1546469.24	1579.802	CER
78	1097138.86	1546484.5	1580.195	0
79	1097135.46	1546469.44	1579.486	0
80	1097137.57	1546469.91	1579.691	201
81	1097132.21	1546463.32	1579.27	0
82	1097139.25	1546470.08	1579.619	0
83	1097132.07	1546459.42	1578.617	CER
84	1097140.23	1546462.86	1578.608	201
85	1097137.08	1546453.25	1577.904	CER
86	1097141.56	1546463.59	1578.785	0
87	1097139.43	1546455.22	1578.03	0
88	1097138.34	1546462.15	1578.622	0
89	1097135.88	1546461.15	1578.603	203
90	1097143.54	1546449.82	1576.82	0
91	1097135.1	1546460.7	1578.871	0
92	1097144.35	1546450.07	1576.218	203
93	1097145.96	1546450.85	1576.218	0
94	1097147.54	1546452.26	1576.32	201
95	1097147.85	1546443.98	1574.765	203
96	1097147.7	1546453.45	1577.152	0
97	1097147.05	1546443.61	1575.397	0
98	1097145.99	1546443.14	1574.93	CER
99	1097149.99	1546444.74	1574.998	0
100	1097149.52	1546435.18	1572.975	203
101	1097151.71	1546445.44	1575.016	201
102	1097153.11	1546435.38	1573.226	201
103	1097152.48	1546445.83	1575.543	0
104	1097154.66	1546435.79	1575.037	0
105	1097151.7	1546435.93	1573.347	0
106	1097147.94	1546435.89	1573.712	0
107	1097147.6	1546420.87	1571.256	203
108	1097145.21	1546421.22	1570.651	CER
109	1097146.16	1546408.41	1570.402	CER
110	1097147.1	1546408.71	1570.498	0
111	1097149.5	1546419.04	1571.176	0
112	1097147.93	1546408.51	1569.982	0

113	1097147.9	1546408.51	1569.954	203
114	1097149.22	1546408.93	1569.91	0
115	1097151.25	1546419.47	1571.131	201
116	1097152.27	1546419.41	1573.045	0
117	1097146.43	1546416.07	1571.038	EST
118	1097151.42	1546410.88	1569.976	201
119	1097152.6	1546411.28	1572.347	0
120	1097147.42	1546406.26	1570.274	0
121	1097147.95	1546406.53	1569.712	203
122	1097146.21	1546406.23	1570	CER
123	1097149.89	1546406.69	1569.461	0
124	1097151.92	1546407.17	1569.43	201
125	1097153.25	1546407.37	1571.545	0
126	1097155.58	1546399.21	1570.175	0
127	1097154.42	1546398.72	1567.791	201
128	1097152.49	1546397.65	1567.842	0
129	1097151.12	1546396.81	1567.809	203
130	1097156.41	1546384.98	1565.279	203
131	1097150.36	1546396.36	1568.193	0
132	1097155.73	1546384.8	1565.63	0
133	1097149.26	1546395.93	1567.972	CER
134	1097154.99	1546384.37	1565.301	CER
135	1097158.09	1546385.67	1565.069	0
136	1097158.89	1546379.78	1564.008	203
137	1097158.27	1546379.57	1564.47	0
138	1097157.2	1546379.39	1564.029	0
139	1097160.15	1546380.99	1563.958	0
140	1097163.16	1546367.68	1561.006	203
141	1097162.63	1546367.44	1561.367	0
142	1097161.11	1546367.22	1560.859	0
143	1097167.11	1546353.65	1559.045	0
144	1097165.21	1546353.85	1559.144	203
145	1097168.86	1546353.8	1559.102	0
146	1097168.83	1546343.73	1557.529	EST
147	1097152.17	1546298.71	1550.155	204
148	1097146.82	1546294.58	1549.222	204
149	1097151.77	1546300.25	1549.263	0
150	1097146.42	1546295.68	1548.909	0
151	1097152.43	1546296.81	1549.964	0

152	1097147.31	1546292.55	1549.402	0
153	1097152.82	1546294.36	1549.75	205
154	1097147.92	1546291	1549.274	205
155	1097153.53	1546293.28	1552.994	0
156	1097148.43	1546289.72	1551.492	0
157	1097138.53	1546286.06	1550.708	0
158	1097123.9	1546284.74	1545.292	0
159	1097138.12	1546287.31	1547.355	0
160	1097138.11	1546287.29	1547.414	205
161	1097124.75	1546283.91	1546.086	0
162	1097138.14	1546289.04	1547.543	0
163	1097138.06	1546290.74	1547.753	204
164	1097125.06	1546282.99	1545.62	204
165	1097138.24	1546292.97	1547.564	0
166	1097125.91	1546281.83	1545.691	0
167	1097126.59	1546280.6	1545.915	205
168	1097127.63	1546279.41	1548.578	0
169	1097128.58	1546278.86	1549.362	0
170	1097123.6	1546272.34	1547.557	0
171	1097123.08	1546273.2	1544.37	205
172	1097121.52	1546274.55	1544.547	0
173	1097120.08	1546276.21	1544.356	204
174	1097118.84	1546277.74	1543.868	0
175	1097107.47	1546264.98	1543.142	0
176	1097106.88	1546265.77	1542.317	0
177	1097101.78	1546258.39	1541.445	0
178	1097107.86	1546264.29	1542.917	204
179	1097103.63	1546257.78	1541.963	204
180	1097108.19	1546261.91	1542.644	0
181	1097105.28	1546256.86	1541.912	0
182	1097109.46	1546260.66	1542.86	205
183	1097107.22	1546255.58	1541.775	205
184	1097110.33	1546259.92	1543.697	0
185	1097108.53	1546254.71	1544.707	0
186	1097111.39	1546259.56	1546.504	0
187	1097106.37	1546241.88	1542.169	0
188	1097104.62	1546241.89	1539.48	205
189	1097103.84	1546228.21	1537.138	205
190	1097103.1	1546241.88	1539.377	0

191	1097105.1	1546228.49	1541.899	0
192	1097101.77	1546241.89	1539.388	204
193	1097102.12	1546228.4	1537.225	0
194	1097100.28	1546228.49	1537.243	204
195	1097100.78	1546242.25	1540.054	0
196	1097099.54	1546228.39	1537.657	0
197	1097093.17	1546208.51	1534.095	0
198	1097099.55	1546228.18	1537.294	0
199	1097094.72	1546208.01	1534.829	0
200	1097095.38	1546207.92	1534.547	204
201	1097096.95	1546207.5	1534.54	0
202	1097098.2	1546207.1	1534.605	205
203	1097087.39	1546192.69	1532.496	0
204	1097100.46	1546207.15	1540.082	0
205	1097089.39	1546192.03	1533.428	0
206	1097090.26	1546191.86	1533.348	204
207	1097090.25	1546191.9	1533.355	204
208	1097092.21	1546191.33	1533.483	0
209	1097091.05	1546176.27	1536.973	0
210	1097093.27	1546191.52	1533.483	205
211	1097089.23	1546176.25	1531.596	205
212	1097088.23	1546176.71	1531.623	0
213	1097081.3	1546165.89	1528.674	0
214	1097087.12	1546177.17	1531.486	204
215	1097083.36	1546165.15	1530.088	0
216	1097085.4	1546172.21	1531.105	0
217	1097084.24	1546165.17	1529.708	204
218	1097084.94	1546177.3	1531.167	0
219	1097085.67	1546164.78	1529.621	0
220	1097086.94	1546164.59	1529.568	205
221	1097085.24	1546148.09	1528.754	0
222	1097074.15	1546148.5	1527.341	0
223	1097074.32	1546145.14	1528.006	0
224	1097088.8	1546164.53	1534.719	0
225	1097074.72	1546150.65	1527.143	0
226	1097082.98	1546150.71	1528.005	205
227	1097074.85	1546156.59	1526.781	0
228	1097082.09	1546152.45	1527.711	0
229	1097081.19	1546153.93	1527.341	204

230	1097074.68	1546152.67	1526.981	204
231	1097073.7	1546148.53	1527.272	205
232	1097080.55	1546155.04	1528.065	0
233	1097067.08	1546147.14	1528.518	EST
234	1097079.72	1546157.08	1527.818	0
235	1097068.03	1546150.96	1527.237	0
236	1097060.74	1546157.39	1525.081	205
237	1097059.83	1546155.41	1527.019	0
238	1097061.69	1546159.13	1525.286	0
239	1097051.29	1546158.24	1526.679	0
240	1097062.47	1546160.87	1525.434	204
241	1097041.6	1546157.6	1525.52	0
242	1097062.95	1546163.16	1525.062	0
243	1097050.34	1546161.42	1523.188	205
244	1097050.84	1546163.04	1523.394	0
245	1097051.12	1546164.2	1523.308	204
246	1097051.54	1546165.79	1523.847	0
247	1097051.5	1546166.85	1523.042	0
248	1097038.89	1546166.11	1521.706	0
249	1097038.88	1546164.98	1521.98	0
250	1097027.77	1546163.95	1519.821	0
251	1097028.05	1546162.23	1521.061	0
252	1097038.91	1546164.19	1521.425	204
253	1097028.58	1546161.14	1520.567	204
254	1097038.6	1546162.38	1521.783	0
255	1097028.99	1546159.56	1520.773	0
256	1097038.7	1546160.78	1521.697	205
257	1097029.45	1546157.95	1520.736	205
258	1097030.14	1546156.61	1521.911	0
259	1097039.35	1546158.98	1523.807	0
260	1097014.65	1546156.39	1518.682	0
261	1097008.75	1546147.11	1518.083	0
262	1097016.86	1546155.69	1519.743	0
263	1097010.18	1546146.44	1518.545	0
264	1097017.48	1546155.29	1519.298	204
265	1097011.22	1546146.1	1517.955	204
266	1097017.01	1546155.74	1519.841	EST
267	1097018.76	1546153.67	1519.581	0
268	1097019.62	1546152.35	1519.298	205

269	1097012.64	1546145.42	1518.205	0
270	1097013.68	1546144.85	1517.985	205
271	1097021.05	1546150.72	1520.346	0
272	1097014.98	1546143.96	1519.265	0
273	1097009	1546131.49	1516.098	205
274	1097003.01	1546118.85	1514.412	0
275	1097002.38	1546118.86	1514.106	0
276	1097007.68	1546131.7	1516.051	0
277	1097006.43	1546132.21	1515.856	204
278	1097005.8	1546131.99	1516.225	0
279	1097005.07	1546132.23	1516.013	0
280	1097005.48	1546118.2	1514.42	0
281	1097003.68	1546118.89	1514.341	EST
282	1097165.56	1546352.75	1558.948	203
283	1097164.88	1546352.49	1559.135	0
284	1097163.33	1546352.7	1558.16	0
285	1097159.43	1546387.06	1565.012	201
286	1097160.61	1546387.83	1566.89	0
287	1097166.92	1546336.74	1556.356	0
288	1097165.59	1546337.25	1556.449	203
289	1097163.32	1546379.4	1563.288	201
290	1097165.01	1546379.88	1565.372	0
291	1097164.62	1546337.36	1556.751	0
292	1097163.21	1546337.57	1555.763	0
293	1097166.15	1546368.7	1561.11	201
294	1097167.74	1546368.93	1563	0
295	1097164.3	1546324.49	1554.594	0
296	1097167.45	1546324.14	1557.182	0
297	1097168.17	1546358.92	1559.911	201
298	1097169.82	1546358.93	1561.612	0
299	1097166.52	1546358.77	1559.824	0
300	1097163.12	1546325.15	1554.603	203
301	1097169.22	1546346.44	1557.884	201
302	1097171.22	1546346.67	1560.344	0
303	1097162.24	1546325.2	1554.792	0
304	1097167.35	1546346.64	1558.03	0
305	1097161.04	1546326.12	1553.791	0
306	1097169	1546338.65	1556.762	201
307	1097157.52	1546312.49	1552.181	0

308	1097170.63	1546338.69	1558.902	0
309	1097158.49	1546312.38	1552.761	0
310	1097166.57	1546329.24	1555.458	201
311	1097159.47	1546312.36	1552.619	203
312	1097165.19	1546321.54	1554.32	201
313	1097160.74	1546312.13	1552.651	0
314	1097162.47	1546311.19	1552.601	201
315	1097163.96	1546311.07	1554.96	0
316	1097158.25	1546300.27	1550.724	201
317	1097156.39	1546301	1550.746	0
318	1097159.45	1546299.56	1551.397	0
319	1097154.85	1546302.16	1550.77	203
320	1097153.83	1546303.07	1550.27	0
321	1097009.87	1546130.84	1517.613	0
322	1097008.31	1546117.52	1515.493	0
323	1097007.5	1546118.09	1514.432	204
324	1097005.92	1546103.09	1513.064	204
325	1097008.27	1546102.92	1513.786	0
326	1097005.84	1546118.39	1514.433	0
327	1097004.06	1546103.39	1513.184	0
328	1097003.37	1546116.42	1514.241	206
329	1097002.11	1546103.89	1513.208	206
330	1097002.08	1546116.8	1513.893	CER
331	1097000.66	1546104	1512.893	CER
332	1096998.59	1546104.45	1512.517	0
333	1097001.16	1546092.18	1512.727	0
334	1096999.16	1546092.61	1512.224	0
335	1097002.05	1546092.26	1512.419	206
336	1096998.28	1546076.83	1509.507	0
337	1097003.69	1546092.18	1512.479	0
338	1097000.62	1546076.45	1510.736	0
339	1097005.5	1546092.22	1512.443	204
340	1097001.94	1546076.6	1510.639	206
341	1097004.2	1546076.67	1510.649	0
342	1097008	1546092.14	1513.255	0
343	1097006	1546077.17	1510.727	206
344	1097006.54	1546077.35	1511.352	0
345	1097000.64	1546062.14	1509.285	EST
346	1097000.77	1546068.11	1508.631	0

347	1097006.77	1546075.74	1510.441	204
348	1096994.46	1546073.1	1507.328	0
349	1097008.66	1546075.78	1511.84	0
350	1096994.93	1546074.07	1507.991	0
351	1097009.87	1546069.68	1511.515	0
352	1097009.37	1546069.38	1510.51	0
353	1096987.67	1546079.32	1506.841	0
354	1097008.17	1546068.87	1509.953	204
355	1096987.61	1546078.69	1506.23	0
356	1097005.58	1546066.76	1509.499	0
357	1096986.41	1546077.18	1506.035	0
358	1097008.96	1546062.24	1509.251	204
359	1096984.82	1546075.57	1505.962	0
360	1097009.77	1546062.21	1509.711	0
361	1096993.24	1546071.51	1507.181	0
362	1097013.52	1546061.12	1510.398	0
363	1096991.56	1546069.29	1507.07	0
364	1097013.98	1546055.3	1510.446	0
365	1096997.13	1546063.85	1507.617	0
366	1097021.67	1546052.97	1511.005	0
367	1096998.32	1546064.92	1508.351	0
368	1097015.75	1546057.34	1510.645	0
369	1096999.97	1546066.58	1508.41	0
370	1097009.81	1546060.91	1509.086	0
371	1097001.5	1546062.73	1508.901	206
372	1097006.86	1546058.84	1508.773	0
373	1096999.27	1546060.82	1508.457	0
374	1097012.07	1546055.7	1508.029	204
375	1097011.48	1546055.42	1508.298	0
376	1097009.83	1546054.12	1508.146	0
377	1097016.11	1546048.3	1507.246	0
378	1097008.29	1546052.86	1508.231	206
379	1097014.93	1546047.19	1507.367	206
380	1097007.01	1546051.85	1508.015	0
381	1097014.23	1546046.12	1507.696	0
382	1097006.61	1546051.15	1507.514	0
383	1097013.93	1546044.69	1507.12	0
384	1097018.69	1546048.27	1507.057	0
385	1097019.29	1546049.79	1507.131	0

386	1097019.37	1546050.34	1506.916	204
387	1097020.39	1546045.63	1506.949	206
388	1097020.72	1546043.43	1506.668	0
389	1097020.65	1546042.61	1506.537	0
390	1097026.52	1546045.6	1506.214	206
391	1097026.42	1546044.55	1506.171	0
392	1097026.33	1546043.3	1505.287	0
393	1097010.52	1545256.75	1516.926	EST
394	1097011.01	1545258.78	1516.483	0
395	1097011.51	1545255.7	1516.565	210
396	1097011.67	1545254.27	1516.599	0
397	1097011.71	1545252.83	1516.611	211
398	1097011.89	1545252.03	1518.781	0
399	1097016.8	1545251.12	1518.803	0
400	1097017.27	1545252.58	1516.178	211
401	1097017.28	1545254.89	1515.945	0
402	1097017.33	1545257.37	1516.294	210
403	1097017.22	1545259.18	1516.226	0
404	1097023.44	1545256.79	1516.009	0
405	1097023.43	1545255.32	1515.548	210
406	1097022.75	1545252.12	1515.277	0
407	1097031.08	1545247.42	1513.755	0
408	1097031.15	1545245.69	1514.456	0
409	1097021.94	1545250.73	1515.371	211
410	1097022.03	1545249.13	1518.962	0
411	1097030.74	1545249.21	1513.734	211
412	1097030.41	1545251.79	1513.884	0
413	1097029.76	1545243.31	1518.775	0
414	1097040.08	1545247.77	1513.572	EST
415	1097038.44	1545252.39	1512.21	211
416	1097042.48	1545249.3	1513.605	0
417	1097039.79	1545253.04	1512.801	0
418	1097036.36	1545253.07	1511.994	0
419	1097034.21	1545259.85	1510.233	0
420	1097033.64	1545253.77	1511.938	210
421	1097033.03	1545259.34	1510.206	210
422	1097031.34	1545255.67	1514.665	0
423	1097030.24	1545259.32	1512.756	0
424	1097035.8	1545261.09	1510.275	211

425	1097036.64	1545261.58	1510.048	0
426	1097026.07	1545273.34	1506.734	0
427	1097026.18	1545273.36	1506.984	0
428	1097018.09	1545278.93	1506.349	0
429	1097025.06	1545272.59	1507.656	0
430	1097025.13	1545272.57	1507.664	211
431	1097017.31	1545277.4	1506.322	211
432	1097024.01	1545271.33	1507.649	0
433	1097016.8	1545275.91	1506.178	0
434	1097022.52	1545270.17	1508.001	210
435	1097016.24	1545274.22	1506.365	210
436	1097021.41	1545269.1	1510.097	0
437	1097015.78	1545272.72	1509.073	0
438	1097000.32	1545279.47	1502.474	0
439	1097000.37	1545279.52	1502.87	0
440	1096984.31	1545277.28	1500.722	0
441	1097000.41	1545277.37	1503.181	211
442	1096984.62	1545275.74	1500.781	211
443	1097000.15	1545275.76	1503.251	0
444	1096984.83	1545274	1500.907	0
445	1097000.54	1545274.51	1503.532	210
446	1096985.05	1545272.79	1500.832	210
447	1097000.67	1545273.3	1505.514	0
448	1096985.46	1545271.61	1503.286	0
449	1096972.53	1545275.56	1499.064	0
450	1096961.05	1545267.18	1496.628	0
451	1096972.74	1545273.6	1499.438	0
452	1096961.74	1545264.34	1496.776	0
453	1096972.89	1545272.09	1498.893	211
454	1096962.38	1545263.13	1496.514	211
455	1096973.18	1545270.3	1498.733	0
456	1096963.67	1545262	1496.473	0
457	1096973.42	1545268.87	1498.911	210
458	1096964.77	1545260.98	1496.524	210
459	1096974.25	1545267.87	1500.979	0
460	1096965.4	1545260.18	1499.489	0
461	1096956.63	1545263.81	1495.844	0
462	1096950.67	1545262.84	1494.069	ALC
463	1096950.59	1545262.76	1493.605	ALC

464	1096950.92	1545262.16	1493.706	ALC
465	1096950.99	1545262.35	1494.153	ALC
466	1096951.03	1545261.51	1494.09	210
467	1096951	1545261.55	1493.897	ALC
468	1096950.36	1545261.49	1494.174	ALC
469	1096950.6	1545261.99	1493.579	ALC
470	1096950.14	1545258.71	1495.131	0
471	1096951.15	1545263.6	1493.758	0
472	1096949.26	1545264.46	1493.328	0
473	1096955.27	1545261.89	1494.296	211
474	1096948.9	1545266.12	1493.055	0
475	1096952.53	1545266.53	1493.008	0
476	1096948.4	1545277.79	1491.192	0
477	1096949.61	1545286.49	1490.231	0
478	1096950.46	1545278.03	1491.28	210
479	1096950.91	1545286.19	1490.22	210
480	1096952.03	1545278.48	1491.128	0
481	1096952.5	1545286.11	1490.312	0
482	1096953.55	1545278.78	1491.557	211
483	1096953.78	1545286.09	1490.469	211
484	1096955	1545279.05	1492.075	0
485	1096957.25	1545286.16	1491.245	0
486	1096959.91	1545282.82	1492.29	0
487	1096963.08	1545289.27	1491.912	0
488	1096966.12	1545286.67	1492.33	0
489	1096958.08	1545295.45	1491.93	0
490	1096965.01	1545291.48	1492.076	0
491	1096961.08	1545301.1	1491.423	0
492	1096971.59	1545295.97	1492.153	0
493	1096967.71	1545305.29	1491.976	0
494	1096973.73	1545288.49	1492.519	0
495	1096951.92	1545306.32	1488.026	EST_GPS_4
496	1096954.85	1545301.95	1488.424	0
497	1096953.9	1545295.02	1489.497	0
498	1096955.64	1545301.77	1489.892	0
499	1096956.77	1545294.08	1491.708	0
500	1096954.29	1545302.1	1488.098	211
501	1096951.87	1545294.62	1489.296	0
502	1096953.35	1545302.68	1488.146	0

503	1096950.79	1545295.18	1489.27	210
504	1096952	1545303.27	1488.328	210
505	1096950.19	1545295.48	1489.482	0
506	1096951.18	1545303.66	1488.378	0
507	1096948.96	1545295.88	1488.617	0
508	1096950.29	1545303.83	1487.945	0
509	1096956.98	1545314.38	1486.482	0
510	1096957.65	1545313.13	1486.655	210
511	1096964.31	1545321.66	1485.488	0
512	1096958.64	1545311.35	1486.557	0
513	1096964.66	1545319.9	1485.199	210
514	1096958.91	1545309.94	1486.737	211
515	1096965.14	1545318.7	1485.398	0
516	1096965.88	1545317.46	1485.609	211
517	1096960.47	1545308.78	1489.895	0
518	1096967.29	1545316.43	1487.878	0
519	1096975.91	1545331.97	1482.617	0
520	1096985.31	1545340.25	1481.058	0
521	1096976.21	1545330.89	1483.015	210
522	1096985.53	1545339.16	1481.39	210
523	1096976.23	1545330.88	1483.007	0
524	1096986.06	1545337.79	1481.454	0
525	1096976.87	1545329.55	1483.297	0
526	1096977.67	1545328.36	1483.352	211
527	1096986.83	1545336.64	1481.368	211
528	1096978.31	1545327.17	1483.971	0
529	1096987.46	1545334.47	1482.724	0
530	1096987.75	1545333.99	1483.857	0
531	1097001.32	1545351.81	1478.219	0
532	1097001.76	1545350.38	1478.304	210
533	1097009.25	1545355.3	1476.826	0
534	1097001.87	1545348.87	1478.14	0
535	1097009.25	1545353.35	1477.301	210
536	1097009.51	1545351.31	1477.016	0
537	1097001.84	1545347.3	1478.247	211
538	1097009.44	1545349.42	1477.098	211
539	1097002.77	1545345.63	1480.365	0
540	1097009.49	1545347.28	1479.378	0
541	1097017.97	1545356.67	1477.063	0

542	1097024.66	1545348.14	1476.886	0
543	1097016.4	1545354.44	1476.821	210
544	1097023.88	1545347.79	1475.782	210
545	1097015.81	1545352.4	1476.51	0
546	1097023.2	1545347.29	1475.681	0
547	1097015.91	1545352.32	1476.47	0
548	1097014.84	1545350.56	1476.452	0
549	1097014.55	1545348.64	1476.502	211
550	1097013.86	1545346.87	1478.611	0
551	1097021.66	1545346.97	1475.905	0
552	1097021.8	1545346.14	1475.448	0
553	1097021.67	1545346.16	1475.499	0
554	1097023.1	1545347.5	1475.659	0
555	1097021.1	1545344.53	1475.375	211
556	1097019.75	1545342.32	1479.799	0
557	1097036.46	1545336.44	1471.687	0
558	1097028.68	1545334.04	1478.314	0
559	1097035.1	1545335.46	1472.983	0
560	1097035.1	1545335.43	1472.983	0
561	1097034.25	1545335.09	1472.769	210
562	1097035.64	1545328.69	1476.164	0
563	1097033.28	1545334.15	1472.97	0
564	1097032.7	1545333.12	1473.055	211
565	1097043.05	1545323.47	1472.548	0
566	1097049.26	1545317.51	1473.129	0
567	1097044.47	1545330.83	1470.416	0
568	1097043.76	1545329.82	1471.348	0
569	1097056.73	1545310.12	1471.295	0
570	1097043	1545329.1	1470.973	210
571	1097042.49	1545327.99	1470.905	0
572	1097042.55	1545328.01	1471.059	211
573	1097073.85	1545300.98	1469.061	0
574	1097041.72	1545326.82	1471.091	211
575	1097055.8	1545314.37	1467.559	210
576	1097050.33	1545325.79	1468.186	0
577	1097055.89	1545316.11	1467.698	0
578	1097049.79	1545324.28	1469.438	210
579	1097055.69	1545318.4	1467.923	211
580	1097048.83	1545322.83	1469.503	0

581	1097055.64	1545319.47	1467.719	0
582	1097048.04	1545321.88	1469.633	211
583	1097080.11	1545305.67	1464.549	211
584	1097082.96	1545314.26	1464.47	0
585	1097079.18	1545307.85	1464.311	0
586	1097083.53	1545311.98	1464.879	240
587	1097078.48	1545311.66	1463.997	240
588	1097083.5	1545310.37	1464.833	0
589	1097078.23	1545313.34	1463.662	0
590	1097084.06	1545308.72	1464.991	211
591	1097084.26	1545307.9	1465.467	0
592	1097092.38	1545314.17	1466.187	0
593	1097092.38	1545314.23	1466.204	214
594	1097092.75	1545313.15	1469.116	0
595	1097102.98	1545328.19	1468.183	0
596	1097092.14	1545315.42	1466.285	0
597	1097103.69	1545326.75	1468.818	240
598	1097092.11	1545316.73	1466.2	240
599	1097103.79	1545326.79	1468.832	0
600	1097091.75	1545318.17	1465.776	0
601	1097104.02	1545325.46	1468.751	0
602	1097105.42	1545324.34	1468.955	242
603	1097105.89	1545323.77	1469.677	0
604	1097072.8	1545307.4	1464.083	0
605	1097074.46	1545308.95	1463.418	0
606	1097076.64	1545311.97	1463.627	213
607	1097067.87	1545321.68	1460.521	0
608	1097076.55	1545313.27	1463.48	0
609	1097066.3	1545320.95	1460.883	213
610	1097064.76	1545320.37	1460.852	0
611	1097063.61	1545319.82	1460.956	210
612	1097061.89	1545319.29	1462.997	0
613	1097054.06	1545333.26	1461.12	0
614	1097056.21	1545333.95	1458.715	210
615	1097048.65	1545345.27	1457.148	0
616	1097047.23	1545344.81	1457.171	0
617	1097057.46	1545334.52	1458.659	0
618	1097049.39	1545345.73	1456.714	210
619	1097049.93	1545345.76	1456.709	0

620	1097050.93	1545346.64	1456.74	0
621	1097059.93	1545336.24	1458.222	0
622	1097058.42	1545335.57	1458.521	213
623	1097051.66	1545347.93	1456.661	213
624	1097054.53	1545349.65	1455.045	0
625	1097047.6	1545362.03	1453.99	0
626	1097045.87	1545373.66	1451.186	0
627	1097046.36	1545361.89	1454.362	213
628	1097043.08	1545372.97	1452.768	213
629	1097041.6	1545372.4	1452.714	0
630	1097044.99	1545361.31	1454.327	0
631	1097043.26	1545360.97	1454.484	210
632	1097039.88	1545372.23	1452.947	210
633	1097038.19	1545371.86	1455.042	0
634	1097041.07	1545361.77	1456.716	0
635	1097034.51	1545386.85	1452.208	0
636	1097036.1	1545387.12	1450.499	210
637	1097031.53	1545399.42	1450.146	0
638	1097033.78	1545399.63	1447.87	210
639	1097037.51	1545387.09	1450.37	0
640	1097035.1	1545399.75	1447.91	0
641	1097039.19	1545387.36	1450.382	213
642	1097036.47	1545399.85	1447.985	213
643	1097040.9	1545388.27	1449.92	0
644	1097038.46	1545400.61	1447.963	0
645	1097028.05	1545407.88	1448.737	0
646	1097023.56	1545411.89	1447.351	0
647	1097030.02	1545408.76	1446.135	210
648	1097025.29	1545413.26	1444.324	210
649	1097031.2	1545409.52	1446.086	0
650	1097026.34	1545414.35	1444.147	0
651	1097032.41	1545410.53	1446.176	213
652	1097027.44	1545415.61	1444.329	213
653	1097033.9	1545411.73	1446.393	0
654	1097027.47	1545415.59	1444.306	0
655	1097028.18	1545416.63	1444.247	0
656	1097018.18	1545429.75	1439.759	0
657	1097011.57	1545437.46	1437.361	0
658	1097016.97	1545429.03	1440.291	0

659	1097016.04	1545428.45	1439.854	213
660	1097010.54	1545436.86	1437.388	213
661	1097015.21	1545427.88	1440.048	0
662	1097009.2	1545436.65	1437.336	0
663	1097014.1	1545427.45	1440.227	210
664	1097007.35	1545436.27	1437.1	210
665	1097012.06	1545426.11	1441.774	0
666	1097005.9	1545435.75	1440.096	0
667	1096997.06	1545452.21	1435.651	0
668	1096998.65	1545453.2	1433.232	210
669	1096990.7	1545458.61	1433.804	0
670	1096999.94	1545454.34	1433.112	0
671	1096991.62	1545460.08	1430.826	210
672	1097001.08	1545455.55	1433.104	213
673	1096992.49	1545462	1430.779	0
674	1097003.2	1545456.94	1431.453	0
675	1096993.52	1545464.58	1430.876	213
676	1096993.61	1545465.78	1430.143	0
677	1096991.54	1545465.68	1430.517	EST
678	1096986.92	1545470.25	1429.918	0
679	1096989.31	1545470.25	1429.332	0
680	1096988.92	1545468.9	1430.499	213
681	1096962.68	1545451.84	1426.336	EST
682	1096987.74	1545466.02	1429.924	0
683	1096988.21	1545463.22	1429.696	213
684	1096973.3	1545456.52	1426.561	0
685	1096988.18	1545461.51	1430.139	210
686	1096987.96	1545459.52	1432.55	0
687	1096973.36	1545457.09	1426.591	0
688	1096973.32	1545456.99	1426.568	213
689	1096981.13	1545464.61	1429.13	0
690	1096981.96	1545463.74	1429.121	213
691	1096982.85	1545461.61	1428.784	0
692	1096973.42	1545452.21	1426.608	0
693	1096983.68	1545459.73	1428.652	210
694	1096973.07	1545450.28	1426.798	210
695	1096984.12	1545458.34	1430.842	0
696	1096973.98	1545450.79	1426.927	210
697	1096973.95	1545449.89	1429.189	0

698	1096964.12	1545449.69	1426.144	0
699	1096968.18	1545449.14	1426.112	210
700	1096964.24	1545449.63	1426.104	210
701	1096968.3	1545453.56	1425.735	0
702	1096960.77	1545454.77	1426.32	0
703	1096970.29	1545456.29	1425.284	213
704	1096964.38	1545455.47	1425.367	210
705	1096970.93	1545457.31	1425.661	0
706	1096967.39	1545457.04	1424.834	0
707	1096969.9	1545460.09	1424.279	213
708	1096965.75	1545461.53	1424.46	210
709	1096966.85	1545460.34	1424.563	0
710	1096968.63	1545459.93	1424.166	0
711	1096966.96	1545460.5	1424.415	0
712	1096977.03	1545468.46	1423.198	213
713	1096973.36	1545471.68	1422.92	0
714	1096975.77	1545469.45	1423.094	0
715	1096973.65	1545471.65	1422.869	210
716	1096974.87	1545470.63	1422.765	0
717	1096985.44	1545485.68	1421.828	213
718	1096974.45	1545481.09	1420.643	0
719	1096983.12	1545484.01	1421.492	213
720	1096976.72	1545481.65	1420.666	210
721	1096977.83	1545482.07	1420.743	0
722	1096981.28	1545483.49	1420.97	0
723	1096979.62	1545482.41	1420.844	0
724	1096973.28	1545484.1	1419.55	0
725	1096976.61	1545492.01	1419.696	213
726	1096975.96	1545490.41	1419.614	0
727	1096975.4	1545488.35	1419.376	0
728	1096975.34	1545485.81	1419.529	210
729	1096966.76	1545488.73	1417.601	0
730	1096969.87	1545484.69	1417.628	210
731	1096967.24	1545487.3	1417.193	213
732	1096970.77	1545482.61	1420.95	0
733	1096968.44	1545485.76	1417.032	0
734	1096959.95	1545474.78	1414.306	210
735	1096960.12	1545474.08	1413.949	0
736	1096959.89	1545478.53	1414.171	0

737	1096960.81	1545472.91	1416.3	0
738	1096959.94	1545480.09	1414.526	213
739	1096959.97	1545477.06	1414.105	0
740	1096952.71	1545479.74	1412.905	0
741	1096952.87	1545475.49	1412.967	210
742	1097078.51	1546530.28	1584.691	ESTS2
743	1096952.63	1545478.02	1412.806	0
744	1096952.22	1545474.37	1414.736	0
745	1096952.8	1545476.54	1412.827	0
746	1096936.49	1545486.37	1410.994	213
747	1096936.26	1545484.88	1411.039	0
748	1096936.14	1545483.72	1410.966	210
749	1096935.83	1545481.75	1412.119	0
750	1096919.2	1545485.33	1408.85	0
751	1096919.21	1545483.33	1409.002	213
752	1096919.42	1545482.05	1409.063	0
753	1096919.44	1545480.58	1408.975	210
754	1096919.61	1545478.9	1409.955	0
755	1096901.31	1545482.76	1406.552	0
756	1096901.95	1545480.77	1407.381	213
757	1096901.65	1545479.26	1406.89	0
758	1096901.54	1545476.62	1406.95	210
759	1096901.44	1545475.29	1408.05	0
760	1096889.58	1545472.93	1407.899	0
761	1096889.01	1545474.56	1404.977	210
762	1096888.44	1545476.01	1405.266	0
763	1096888.26	1545477.59	1405.313	213
764	1096887.66	1545479.21	1405.448	0
765	1096873.79	1545473.99	1402.433	0
766	1096873.42	1545471.03	1401.826	213
767	1096873.33	1545468.98	1401.674	0
768	1096873.11	1545467.59	1401.805	210
769	1096874.27	1545465.98	1404.129	0
770	1096859.6	1545461.72	1399.655	0
771	1096864.82	1545468.86	1400.341	0
772	1096864.91	1545468.86	1400.337	0
773	1096859.8	1545460.01	1401.921	0
774	1096868.58	1545471.62	1400.489	213
775	1096859.12	1545470.23	1400.481	EST

776	1096859.57	1545456.71	1401.784	EST
777	1096861.77	1545471.68	1399.956	215
778	1096860.85	1545472.74	1400.833	0
779	1096859.76	1545473.67	1399.542	0
780	1096871.81	1545484	1399.436	0
781	1096869.61	1545481.82	1399.225	0
782	1096869.68	1545481.61	1399.257	215
783	1096880.7	1545494.76	1398.461	0
784	1096869.73	1545481.57	1399.23	0
785	1096881.29	1545493.19	1398.748	215
786	1096871.35	1545480.7	1399.293	215
787	1096881.63	1545492.12	1398.779	0
788	1097016.79	1546044.77	1507.462	EST
789	1097017.76	1546051.69	1509.635	0
790	1097024.95	1546051.08	1509.632	0
791	1097024.14	1546049.07	1506.617	204
792	1097041.98	1546049.31	1506.998	0
793	1097023.87	1546047.37	1506.558	0
794	1097041.56	1546047.01	1504.799	204
795	1097023.91	1546045.91	1506.524	206
796	1097040.79	1546045.45	1504.551	0
797	1097024.12	1546045.17	1506.774	0
798	1097040.34	1546043.86	1504.417	206
799	1097024.18	1546044.26	1506.404	0
800	1097039.71	1546041.91	1503.231	0
801	1097049.74	1546045.59	1505.37	0
802	1097054.95	1546040.15	1503.052	0
803	1097048.49	1546043.82	1503.358	204
804	1097052.65	1546039.15	1502.181	0
805	1097051.8	1546038.72	1502.353	204
806	1097046.12	1546040.95	1503.441	206
807	1097050.78	1546038.2	1502.503	0
808	1097044.65	1546038.67	1501.647	0
809	1097049.43	1546037.46	1502.509	206
810	1097047.27	1546038.1	1502.403	0
811	1097049.33	1546032.65	1500.837	0
812	1097049.9	1546024.19	1500.271	0
813	1097050.75	1546032.18	1501.519	206
814	1097052.77	1546022.67	1499.869	206

815	1097055.39	1546022.74	1499.659	0
816	1097053.57	1546031.17	1501.264	0
817	1097055.61	1546030.28	1500.922	204
818	1097057.91	1546022.12	1499.589	204
819	1097056.39	1546030.22	1500.681	0
820	1097061.74	1546021.3	1501.699	0
821	1097058.85	1546030.35	1503.009	0
822	1097052.05	1546016.46	1499.53	0
823	1097056.99	1546016.17	1499.17	206
824	1097060.56	1546002.84	1496.702	0
825	1097058.44	1546016.46	1499.002	0
826	1097061.98	1546003.51	1497.907	0
827	1097062.98	1546003.78	1497.577	206
828	1097060.17	1546016.85	1499.06	204
829	1097064.47	1546004.06	1497.526	0
830	1097063.19	1546017.03	1501.304	0
831	1097066.15	1546004.42	1497.6	204
832	1097067.88	1546005.55	1500.003	0
833	1097073.8	1545995.82	1498.821	0
834	1097071.25	1545994.59	1496.057	204
835	1097070.12	1545993.69	1496.197	0
836	1097068.96	1545992.9	1496.336	206
837	1097080.88	1545983.13	1493.629	206
838	1097067.05	1545991.42	1494.705	0
839	1097080.29	1545982.43	1493.949	0
840	1097079.4	1545981.09	1493.31	0
841	1097087.18	1545980.11	1491.826	206
842	1097081.44	1545984.41	1493.406	0
843	1097086.83	1545979.48	1492.186	0
844	1097086.09	1545978.91	1491.947	0
845	1097096.2	1545947.71	1485.167	EST
846	1097087.97	1545923.03	1481.595	EST
847	1097092.44	1545931.77	1482.592	0
848	1097097.98	1545948.15	1485.044	0
849	1097095.2	1545929.49	1485.124	0
850	1097101.54	1545946.73	1487.717	0
851	1097090.28	1545931.32	1482.731	0
852	1097095.74	1545949.04	1485.636	0
853	1097089.13	1545931.89	1481.551	0

854	1097094.12	1545949.04	1484.566	0
855	1097103.43	1545961.76	1486.744	0
856	1097107.01	1545959.38	1489.142	0
857	1097101.37	1545967.01	1487.314	0
858	1097099.34	1545962.72	1484.788	0
859	1097104.42	1545967.26	1487.136	0
860	1097108.54	1545967.09	1489.825	0
861	1097100.85	1545973.89	1488.33	0
862	1097103.35	1545977.17	1490.504	0
863	1097093.31	1545974.52	1489.302	0
864	1097098.27	1545970.72	1487.458	0
865	1097094.77	1545977.62	1489.814	0
866	1097096.91	1545980.58	1492.642	0
867	1097078.44	1545991.36	1496.912	0
868	1097077.5	1545988.7	1494.779	204
869	1097086.88	1545983.29	1492.18	204
870	1097094.4	1545979.3	1490.263	204
871	1097102.63	1545974.84	1488.132	204
872	1097097.55	1545973.97	1488.963	206
873	1097100.79	1545970.19	1487.823	206
874	1097105.78	1545970.2	1487.597	204
875	1097102.73	1545966.37	1487.043	206
876	1097106.4	1545965.91	1487.289	204
877	1097101.61	1545961.51	1486.582	206
878	1097102.46	1545956.29	1486.095	204
879	1097097.67	1545951.73	1485.494	206
880	1097098	1545943.6	1484.485	204
881	1097095.29	1545944.56	1484.657	206
882	1097094.44	1545931.89	1482.647	204
883	1097091.34	1545933.04	1482.706	206
884	1097092.55	1545924.7	1481.539	204
885	1097089.18	1545925.28	1481.756	206
886	1097090.87	1545924.97	1481.652	0
887	1097087.42	1545925.64	1481.327	0
888	1097094.18	1545924.53	1483.749	0
889	1097086.37	1545925.54	1480.325	0
890	1097093.59	1545919.16	1482.104	0
891	1097092.29	1545918.94	1480.593	204
892	1097100.94	1545906.09	1477.648	204

893	1097090.1	1545919.08	1480.766	0
894	1097102.57	1545908.05	1480.627	0
895	1097088.81	1545918.48	1480.802	206
896	1097099.24	1545905.62	1477.821	0
897	1097085.84	1545918.24	1480.741	0
898	1097097.6	1545904.69	1477.941	206
899	1097097	1545904.08	1478.222	0
900	1097101.57	1545894.78	1476.449	0
901	1097095.54	1545902.5	1476.739	0
902	1097103.12	1545895.85	1476.935	0
903	1097103.64	1545896.33	1476.578	206
904	1097104.75	1545897.19	1476.452	0
905	1097109.51	1545885.86	1475.201	0
906	1097106.19	1545898.28	1476.355	204
907	1097108.24	1545885.12	1474.407	0
908	1097108.47	1545899.55	1478.772	0
909	1097110.21	1545886.41	1474.901	206
910	1097111.61	1545887.07	1474.795	0
911	1097112.7	1545888.51	1474.763	204
912	1097114.23	1545889.6	1477.288	0
913	1097117.35	1545876.03	1472.613	0
914	1097119	1545876.53	1472.514	204
915	1097120.8	1545878.37	1474.143	0
916	1097115.09	1545876.17	1472.799	206
917	1097119.2	1545869.97	1471.702	EST
918	1097122.55	1545874.45	1472.751	0
919	1097119.66	1545874.01	1472.133	204
920	1097117.8	1545873.28	1472.121	0
921	1097115.44	1545872.87	1472.128	206
922	1097113.7	1545872.95	1472.162	0
923	1097113.62	1545867.23	1471.097	0
924	1097115.46	1545867.2	1471.395	206
925	1097117.09	1545867.07	1471.296	0
926	1097112.1	1545856.36	1470.044	0
927	1097119.93	1545867.27	1471.279	204
928	1097112.81	1545855.77	1469.887	206
929	1097123.48	1545868.58	1473.657	0
930	1097114.17	1545854.79	1469.82	0
931	1097115.79	1545853.74	1469.748	204

932	1097110.46	1545845.58	1468.81	204
933	1097117.45	1545852.01	1470.512	0
934	1097112.73	1545844.43	1469.95	0
935	1097108.68	1545846.95	1468.963	0
936	1097108.08	1545839.87	1468.931	0
937	1097107.75	1545840.32	1467.957	204
938	1097105.6	1545841.01	1468.196	0
939	1097103.84	1545836.05	1467.404	0
940	1097102.84	1545827.6	1465.731	0
941	1097102.08	1545827.56	1465.716	EST
942	1097110.33	1545853.46	1469.524	206
943	1097107.59	1545853.66	1469.369	0
944	1097105.19	1545846.42	1468.87	206
945	1097103	1545835.69	1467.337	206
946	1097103.76	1545846.49	1468.694	0
947	1097100.83	1545835.97	1467.741	0
948	1097099.1	1545823.31	1464.64	0
949	1097100.22	1545822.88	1465.25	0
950	1097095.81	1545811.17	1463.168	0
951	1097101.42	1545822.69	1464.877	206
952	1097098.2	1545810.82	1462.807	206
953	1097103.51	1545822.19	1464.791	0
954	1097100.35	1545810.41	1462.614	0
955	1097105.71	1545821.89	1464.601	204
956	1097103.1	1545809.97	1462.37	204
957	1097106.71	1545821.22	1464.981	0
958	1097105.03	1545807.66	1462.956	0
959	1097107.73	1545813.32	1464.541	0
960	1097106.09	1545815.91	1464.22	0
961	1097105.01	1545817.05	1464.168	0
962	1097100.59	1545797.44	1461.286	204
963	1097103.83	1545796.77	1461.95	0
964	1097101.07	1545781.05	1459.718	0
965	1097099.49	1545798.07	1461.358	0
966	1097098.39	1545781.21	1458.653	204
967	1097097.3	1545798.41	1461.342	206
968	1097096.51	1545781.66	1458.809	0
969	1097095.48	1545798.5	1461.32	0
970	1097094.78	1545781.95	1458.921	206

971	1097093.23	1545782.31	1459.45	0
972	1097091.82	1545782.76	1459.138	0
973	1097090.03	1545766.36	1457.189	0
974	1097090	1545764.12	1456.923	ARB
975	1097096.93	1545753.7	1455.511	EST
976	1097098.76	1545773.3	1457.536	204
977	1097102.24	1545773.88	1459.839	0
978	1097102.54	1545769.54	1459.605	0
979	1097093.13	1545775.14	1457.838	206
980	1097101.07	1545769.15	1457.365	0
981	1097091.22	1545764.88	1457.251	0
982	1097102.86	1545765.75	1457.284	0
983	1097099.82	1545764.88	1457.597	0
984	1097085.69	1545767.74	1456.897	POST
985	1097100.78	1545761.07	1456.965	0
986	1097087.36	1545774.02	1457.306	0
987	1097098.72	1545759.58	1456.22	204
988	1097078.07	1545780.91	1456.981	ESC
989	1097101.31	1545758.36	1455.632	204
990	1097085.59	1545786.56	1457.122	0
991	1097101.71	1545756.12	1455.288	0
992	1097074.57	1545786.98	1457.03	ESC
993	1097112.39	1545760.37	1453.158	0
994	1097111.4	1545761.82	1453.354	204
995	1097079.32	1545768.29	1456.345	0
996	1097110.75	1545762.39	1454.643	0
997	1097093.11	1545764.97	1456.501	206
998	1097125.02	1545766.49	1451.082	0
999	1097091.1	1545762.09	1455.606	206
1000	1097124.3	1545767.72	1451.229	204
1001	1097093.25	1545758.57	1455.574	0
1002	1097125.5	1545765.41	1451.037	207
1003	1097116.58	1545760.9	1452.665	207
1004	1097116.36	1545759.32	1452.812	0
1005	1097093.25	1545754.24	1455.289	0
1006	1097106.35	1545755.48	1454.541	207
1007	1097087.19	1545760.35	1455.394	0
1008	1097106.13	1545753.94	1454.457	0
1009	1097087.39	1545759.85	1454.526	206

1010	1097095.81	1545752.17	1455.438	207
1011	1097087.7	1545756.79	1454.67	0
1012	1097095.11	1545750.59	1455.098	0
1013	1097087.12	1545753.32	1454.539	207
1014	1097086.95	1545751.98	1454.476	0
1015	1097075.18	1545755.96	1453.044	207
1016	1097075.63	1545752.01	1453.022	0
1017	1097063.88	1545756.16	1451.276	0
1018	1097075.65	1545757.72	1453.081	0
1019	1097064.1	1545757.28	1451.379	207
1020	1097076.42	1545760.69	1453.021	206
1021	1097065	1545760.51	1451.536	0
1022	1097076.75	1545761.53	1454.146	0
1023	1097065.77	1545762.86	1451.531	206
1024	1097065.7	1545763.31	1451.823	0
1025	1097066.08	1545764.28	1452.665	0
1026	1097051.77	1545765.24	1451.36	0
1027	1097051.82	1545764.09	1450.431	206
1028	1097051.12	1545761.8	1450.389	0
1029	1097049.77	1545758.73	1450.522	207
1030	1097050.44	1545756.76	1450.632	0
1031	1097052.83	1545757.36	1450.732	EST
1032	1097038.94	1545764.67	1449.113	207
1033	1097059.89	1545756.74	1450.841	0
1034	1097037.79	1545761.75	1449.158	0
1035	1097039.32	1545765.62	1448.998	0
1036	1097040.42	1545767.13	1449.068	206
1037	1097058.26	1545752.92	1450.504	0
1038	1097057.47	1545751.18	1449.524	0
1039	1097060.25	1545752.96	1450.441	0
1040	1097064.08	1545753.81	1450.678	0
1041	1097067.39	1545744.63	1449.285	0
1042	1097068.45	1545745.4	1449.721	0
1043	1097066.29	1545744.37	1449.322	0
1044	1097072.8	1545730.19	1447.51	0
1045	1097074.62	1545731.38	1447.484	0
1046	1097075.72	1545731.9	1447.442	0
1047	1097076.49	1545732.39	1447.928	0
1048	1097053.2	1545754.5	1450.939	EST_GPS_3

1049	1097041.16	1545770.62	1450.099	0
1050	1097040.9	1545768.85	1450.017	0
1051	1097029.49	1545776.11	1448.094	0
1052	1097042.4	1545769.76	1450.171	0
1053	1097028.93	1545775.27	1447.659	0
1054	1097037.98	1545775.99	1450.068	0
1055	1097037.36	1545774.86	1449.93	0
1056	1097028.8	1545774.91	1447.227	206
1057	1097027.51	1545773.27	1447.414	0
1058	1097026.31	1545771.57	1447.398	207
1059	1097025.31	1545769.84	1447.456	0
1060	1097015.21	1545779.75	1445.424	207
1061	1097014.07	1545778.39	1445.529	0
1062	1097015.94	1545781.33	1445.284	0
1063	1097017.42	1545782.77	1445.186	206
1064	1097018.64	1545784.13	1445.98	0
1065	1097006.62	1545788.33	1443.894	EST
1066	1097011.68	1545794.06	1444.448	0
1067	1097009.73	1545793.4	1444.208	0
1068	1097009.29	1545792.94	1442.868	206
1069	1097007.53	1545791.96	1443.06	0
1070	1097009.95	1545800.41	1443.412	0
1071	1097005.96	1545791.36	1443.087	207
1072	1097007.45	1545800.14	1441.363	206
1073	1097005.17	1545800.23	1441.54	0
1074	1097004.36	1545789.99	1442.707	0
1075	1097003.58	1545800.02	1441.634	207
1076	1097002.77	1545799.89	1441.894	0
1077	1097001.49	1545799.2	1441.568	0
1078	1097001.65	1545809.48	1439.046	207
1079	1097000.68	1545808.84	1439.286	0
1080	1097003.09	1545811.83	1438.595	0
1081	1097005.18	1545812.98	1438.992	206
1082	1097007.45	1545813.56	1439.238	0
1083	1097006.25	1545818.99	1439.064	0
1084	1097003.72	1545818.46	1438.434	0
1085	1097001.8	1545819.91	1437.907	0
1086	1097004.61	1545815.55	1438.919	EST
1087	1097009.63	1545814.61	1440.777	0

1088	1097001.41	1545820.62	1437.36	0
1089	1096996.8	1545810.29	1437.518	0
1090	1096998.01	1545811.39	1438.223	0
1091	1096998.54	1545812.4	1437.663	207
1092	1096999.09	1545815.16	1437.279	0
1093	1096998.91	1545818.13	1437.173	206
1094	1096984.72	1545820.85	1434.061	0
1095	1096984.39	1545818.83	1434.909	206
1096	1096984.43	1545816.67	1434.83	0
1097	1096984.97	1545814.4	1434.757	207
1098	1096985.73	1545812.75	1433.631	0
1099	1096969.52	1545817.12	1436.011	0
1100	1096969.71	1545815.53	1433.653	206
1101	1096969.81	1545813.71	1433.718	0
1102	1096970.18	1545812.12	1433.675	207
1103	1096957.79	1545813.24	1432.822	0
1104	1096953	1545812.26	1432.846	EST
1105	1096956.53	1545815.78	1432.525	206
1106	1096956.76	1545816	1433.688	0
1107	1096974.28	1545810.08	1432.043	0
1108	1096957.29	1545817.34	1433.974	0
1109	1096964.31	1545811.18	1433.223	207
1110	1096964.25	1545809.6	1432.96	0
1111	1096944.5	1545822.74	1431.568	0
1112	1096943.89	1545821.02	1430.587	206
1113	1096943.68	1545820.41	1430.827	0
1114	1096950.58	1545813.51	1432.442	207
1115	1096943.04	1545818.85	1430.861	0
1116	1096950.08	1545811.88	1432.198	0
1117	1096942.19	1545817.2	1430.858	207
1118	1096941.93	1545815.78	1431.02	0
1119	1096931.66	1545828.49	1429.476	0
1120	1096930.99	1545826.97	1428.71	206
1121	1096920.87	1545832.4	1428.077	206
1122	1096929.72	1545825.24	1428.943	0
1123	1096921.71	1545833.92	1428.239	0
1124	1096928.2	1545823.73	1428.979	207
1125	1096920	1545831.03	1428.06	0
1126	1096926.31	1545822.58	1429.06	0

1127	1096919.39	1545828.85	1428.09	207
1128	1096919.15	1545826.93	1428.783	0
1129	1096910.16	1545835.13	1427.712	EST
1130	1096916.78	1545835.9	1427.758	0
1131	1096910.91	1545836.25	1427.573	0
1132	1096907.97	1545836	1426.874	0
1133	1096910.68	1545832.65	1427.205	0
1134	1096910.9	1545834.05	1427.503	206
1135	1096911.37	1545827.77	1428.624	0
1136	1096906.21	1545827.19	1427.873	0
1137	1096913.24	1545829.97	1427.298	207
1138	1096905.61	1545828.78	1426.443	207
1139	1096904.97	1545830.54	1426.545	0
1140	1096904.44	1545832.24	1426.616	206
1141	1096903.17	1545833.69	1426.553	0
1142	1096900.25	1545823.63	1427.389	0
1143	1096898.9	1545825.22	1425.094	207
1144	1096892.19	1545819.37	1423.646	207
1145	1096898.05	1545826.9	1425.171	0
1146	1096890.86	1545820.54	1423.235	0
1147	1096897.32	1545828.75	1425.329	206
1148	1096890.12	1545822.19	1423.35	206
1149	1096896.79	1545829.96	1425.096	0
1150	1096889.55	1545823.48	1423.59	0
1151	1096884.14	1545816.19	1421.83	206
1152	1096880.95	1545810.73	1420.73	206
1153	1096882.65	1545817.03	1421.514	0
1154	1096883.63	1545816.01	1422.023	0
1155	1096879.54	1545811.85	1420.467	0
1156	1096885.45	1545814.6	1421.598	0
1157	1096880.7	1545811.84	1421.21	EST
1158	1096891.35	1545817.66	1425.123	0
1159	1096888.11	1545812.25	1423.717	0
1160	1096886.92	1545813.39	1421.524	207
1161	1096883.8	1545808.56	1420.29	207
1162	1096886.32	1545813.73	1421.72	0
1163	1096885.3	1545814.07	1421.523	0
1164	1096885.55	1545808.01	1422.437	0
1165	1096884.76	1545801.84	1420.63	0

1166	1096882.09	1545809.21	1420.453	0
1167	1096882.68	1545801.76	1418.863	207
1168	1096880.78	1545801.67	1419.209	0
1169	1096879.35	1545801.54	1419.292	206
1170	1096879.87	1545790.89	1416.543	0
1171	1096878.42	1545801.53	1419.711	0
1172	1096881.74	1545791.83	1417.858	0
1173	1096876.71	1545801.71	1419.408	0
1174	1096882.64	1545792.52	1417.599	206
1175	1096877.58	1545796.91	1418.797	0
1176	1096884.13	1545793.5	1417.513	0
1177	1096876.08	1545796.45	1417.837	0
1178	1096886.09	1545785.96	1416.473	0
1179	1096879.53	1545796.9	1418.902	0
1180	1096886.04	1545785.99	1416.454	EST
1181	1096888.46	1545790.7	1416.335	207
1182	1096889.76	1545792.02	1418.085	0
1183	1096888.75	1545791.32	1418.08	0
1184	1096894.16	1545787.89	1417.656	0
1185	1096893.34	1545786.92	1417.081	0
1186	1096892.72	1545785.88	1414.729	207
1187	1096892.53	1545785.61	1414.933	0
1188	1096891.11	1545784.28	1415.201	0
1189	1096889.86	1545783.1	1415.533	206
1190	1096889.11	1545782.47	1415.736	0
1191	1096888.13	1545780.78	1414.579	0
1192	1096887.32	1545778.64	1413.341	0
1193	1096898.61	1545776.06	1413.163	0
1194	1096898.72	1545777.23	1413.909	0
1195	1096899.04	1545778.47	1413.932	0
1196	1096899.18	1545779.6	1413.521	206
1197	1096899.42	1545781.06	1413.29	0
1198	1096900.07	1545783.36	1413.22	207
1199	1096910.16	1545780.53	1411.292	207
1200	1096900.49	1545784.81	1415.447	0
1201	1096908.81	1545778.13	1411.249	0
1202	1096900.17	1545785.74	1416.483	0
1203	1096907.14	1545776.77	1411.206	206
1204	1096917.13	1545774.39	1412.085	0

1205	1096906.41	1545776.37	1411.467	0
1206	1096918.01	1545777.71	1412.207	0
1207	1096904.9	1545776	1411.429	0
1208	1096903.27	1545777.66	1412.729	ARB
1209	1096914.83	1545777.42	1411.355	0
1210	1096908.81	1545773.91	1410.537	206
1211	1096913.25	1545776.39	1410.864	207
1212	1096905.65	1545772.75	1409.947	0
1213	1096910.58	1545775.31	1410.781	0
1214	1096913.69	1545771.8	1410.703	207
1215	1096908.15	1545767.33	1410.227	206
1216	1096906.17	1545768.37	1409.733	0
1217	1096910.17	1545766.74	1410.277	0
1218	1096911.82	1545765.81	1410.32	207
1219	1096914.47	1545765.22	1412.061	0
1220	1096908.38	1545757.43	1409.849	207
1221	1096910.58	1545756.27	1412.463	0
1222	1096907.23	1545759.58	1409.991	0
1223	1096902.18	1545727.61	1408.324	EST
1224	1096905.34	1545760.5	1410.068	206
1225	1096903.22	1545761.26	1409.52	0
1226	1096900.05	1545752.15	1409.249	0
1227	1096902.04	1545751.1	1409.514	0
1228	1096902.1	1545751.16	1409.508	206
1229	1096903.82	1545750.3	1409.432	0
1230	1096909.09	1545749.42	1414.006	0
1231	1096905.83	1545749.83	1409.409	207
1232	1096904.6	1545741.95	1408.714	207
1233	1096902.74	1545742.04	1408.818	0
1234	1096909.46	1545741.82	1413.674	0
1235	1096900.83	1545741.9	1408.922	206
1236	1096900.21	1545741.6	1409.215	0
1237	1096912.18	1545735.66	1412.485	0
1238	1096898.99	1545741.06	1408.336	0
1239	1096917.43	1545733.61	1410.487	0
1240	1096898.88	1545733.91	1408.014	0
1241	1096925.24	1545730.16	1408.529	0
1242	1096900.43	1545734.61	1408.503	0
1243	1096901.26	1545734.79	1408.318	206

1244	1096934.28	1545727.46	1405.868	0
1245	1096903.21	1545735.6	1408.135	0
1246	1096905.54	1545736.01	1407.977	207
1247	1096940.56	1545726.05	1404.772	0
1248	1096908.47	1545732.7	1407.339	207
1249	1096907.17	1545731.15	1407.391	0
1250	1096952.06	1545725.87	1403.134	0
1251	1096906.22	1545729.8	1407.413	206
1252	1096905.92	1545729.34	1407.655	0
1253	1096906.33	1545728.12	1407.712	0
1254	1096905.08	1545728.18	1408.237	0
1255	1096903.34	1545726.16	1407.5	0
1256	1096960.63	1545724.78	1400.031	0
1257	1096917.21	1545729.34	1405.721	207
1258	1096972.21	1545721.24	1397.339	0
1259	1096916	1545727.63	1405.673	0
1260	1096986.03	1545715.74	1394.869	0
1261	1096915.36	1545725.88	1405.717	206
1262	1096915.2	1545725	1406.036	0
1263	1096915.35	1545724.27	1405.395	0
1264	1096927.1	1545720.72	1403.395	0
1265	1096981.94	1545713.43	1392.461	0
1266	1096927.18	1545722.19	1403.824	0
1267	1096927.53	1545722.89	1403.372	206
1268	1096927.99	1545724.15	1403.289	0
1269	1096968.27	1545718.87	1395.314	0
1270	1096927.97	1545726.25	1403.357	207
1271	1096966.84	1545715.39	1395.446	0
1272	1096942.23	1545724.3	1400.58	207
1273	1096942.11	1545722.58	1400.502	0
1274	1096952.97	1545721.6	1398.548	0
1275	1096942.01	1545721.04	1400.545	206
1276	1096952.47	1545719.58	1398.701	206
1277	1096941.78	1545720.21	1400.867	0
1278	1096941.99	1545719.2	1400.069	0
1279	1096952.12	1545718.03	1397.896	0
1280	1096954.02	1545723.16	1398.388	207
1281	1096966.59	1545720.89	1395.818	207
1282	1096965.8	1545717.83	1395.87	206

1283	1096982.17	1545715.35	1392.704	EST
1284	1096977.69	1545713.52	1393.145	206
1285	1096977.2	1545713.04	1393.56	0
1286	1096976.5	1545711.71	1392.735	0
1287	1096984.35	1545707.22	1391.156	0
1288	1096984.7	1545708.14	1391.653	0
1289	1096985.26	1545708.48	1391.373	206
1290	1096984.86	1545713.66	1391.933	207
1291	1096986.25	1545709.22	1391.313	0
1292	1096987.52	1545710.07	1391.206	0
1293	1096992.4	1545695.66	1388.948	0
1294	1096988.12	1545710.72	1391.043	207
1295	1096994.47	1545697.04	1388.867	206
1296	1096989.75	1545712.51	1394.086	0
1297	1096995.46	1545698.23	1388.668	0
1298	1096996.44	1545699.59	1388.468	207
1299	1096997.79	1545701.09	1392.037	0
1300	1097003.28	1545691.48	1386.762	0
1301	1097002.26	1545690.99	1386.911	206
1302	1097001.41	1545690.27	1387.195	0
1303	1097000.76	1545689.61	1386.66	0
1304	1097008.24	1545686.53	1385.611	EST
1305	1097009.02	1545682.81	1385.119	0
1306	1097007.36	1545681.92	1385.056	206
1307	1097006.55	1545681.3	1385.049	0
1308	1097009.73	1545675.35	1384.432	0
1309	1097010.55	1545675.97	1384.171	206
1310	1097011.75	1545676.46	1384.133	0
1311	1097015.37	1545678.32	1386.936	0
1312	1097019.54	1545669.67	1385.146	0
1313	1097016.91	1545667.9	1382.436	0
1314	1097020.8	1545666.63	1385.021	0
1315	1097022.96	1545659.56	1383.662	0
1316	1097013.39	1545671.47	1383.324	206
1317	1097012.46	1545671.08	1383.798	0
1318	1097011.87	1545670.7	1383.915	0
1319	1096998.41	1545700.09	1391.024	0
1320	1096996.83	1545699.08	1388.444	207
1321	1097016.66	1545663.83	1381.944	206

1322	1097015.24	1545665.68	1382.74	ARB
1323	1097005.6	1545692.31	1386.571	207
1324	1097007.25	1545693.23	1388.759	0
1325	1097016	1545663.07	1382.126	0
1326	1097009.25	1545688.72	1385.769	207
1327	1097010.25	1545689.93	1388.17	0
1328	1097020.89	1545652.18	1379.598	0
1329	1097019.86	1545652.29	1379.648	0
1330	1097010.99	1545681.14	1384.869	207
1331	1097009.8	1545680.12	1384.707	0
1332	1097024.72	1545654.12	1382.129	0
1333	1097016.44	1545670.84	1383.066	207
1334	1097027.81	1545643.43	1380.663	0
1335	1097021.46	1545658.86	1380.471	207
1336	1097023.75	1545641.71	1377.869	0
1337	1097024.59	1545646.03	1378.394	207
1338	1097027.55	1545631.68	1375.982	0
1339	1097028.79	1545632.57	1376.089	207
1340	1097031.56	1545619.17	1374.665	EST
1341	1097031.03	1545638.51	1380.573	0
1342	1097033.8	1545633.49	1381.81	0
1343	1097036.25	1545625.55	1379.664	0
1344	1097036.33	1545618.78	1379.285	0
1345	1097027.92	1545636.19	1376.735	207
1346	1097031.68	1545628.51	1375.609	207
1347	1097019.09	1545653.56	1379.934	0
1348	1097033.72	1545620.49	1374.989	207
1349	1097018.51	1545653.07	1380.073	0
1350	1097017.32	1545652.7	1379.718	0
1351	1097035.08	1545616.81	1376.34	0
1352	1097033.94	1545617.39	1376.784	0
1353	1097022.53	1545639.31	1377.711	206
1354	1097022.02	1545639.03	1377.746	0
1355	1097027.81	1545614.38	1375.214	0
1356	1097020.98	1545638.3	1377.755	0
1357	1097027.4	1545611.56	1374.704	0
1358	1097023.1	1545631.04	1376.448	0
1359	1097027.42	1545617.23	1374.119	207
1360	1097024.75	1545631.39	1376.41	0

1361	1097020.56	1545618.54	1373.218	0
1362	1097024.89	1545627.79	1375.237	0
1363	1097018.82	1545616.45	1370.127	0
1364	1097022.69	1545627.13	1375.334	0
1365	1097020.47	1545619.81	1372.878	207
1366	1097026.35	1545627.49	1374.907	206
1367	1097022.21	1545621.89	1372.855	0
1368	1097028.86	1545627.2	1375.015	0
1369	1097023.37	1545625.07	1373.063	206
1370	1097028.91	1545622.98	1374.344	0
1371	1097019.02	1545628.34	1371.947	206
1372	1097015.77	1545626.08	1371.641	207
1373	1097019.99	1545629.12	1374.697	0
1374	1097017.15	1545627.37	1371.57	0
1375	1097015.12	1545625.4	1371.942	0
1376	1097006.73	1545635.31	1368.821	0
1377	1097013.78	1545624.35	1371.221	0
1378	1097004.82	1545637.99	1371.08	0
1379	1097010.53	1545632.72	1369.239	207
1380	1096998.72	1545636.58	1371.146	0
1381	1097010.91	1545633.33	1369.733	0
1382	1097007.38	1545633.32	1368.427	207
1383	1097008.38	1545631.94	1369.133	0
1384	1097005.78	1545634.79	1368.502	0
1385	1096997.64	1545631.34	1368.143	EST
1386	1097016.43	1545634.12	1373.496	0
1387	1097015.74	1545633.1	1370.961	206
1388	1097014.12	1545631.94	1370.72	0
1389	1097011.14	1545638.74	1372.389	0
1390	1097011.04	1545637.4	1370.009	206
1391	1097006.41	1545638.86	1371.396	0
1392	1097006.86	1545637.76	1369.161	206
1393	1097004.59	1545636.88	1368.72	206
1394	1097005.23	1545634.36	1368.436	0
1395	1097006.65	1545632.24	1368.07	207
1396	1097008.02	1545630.39	1368.93	0
1397	1097003.13	1545627.96	1366.75	0
1398	1097004.53	1545628.43	1366.776	0
1399	1097005.41	1545628.61	1366.577	207

1400	1097013.91	1545617.83	1367.117	0
1401	1097005.79	1545628.48	1367.217	0
1402	1097007.85	1545628.36	1367.428	0
1403	1097012.5	1545616.9	1364.71	207
1404	1097000.98	1545626.99	1366.788	206
1405	1097011.38	1545616.18	1364.492	0
1406	1097000.37	1545626.71	1367.022	0
1407	1097010.29	1545615.48	1364.411	206
1408	1096999.75	1545626.57	1367.498	0
1409	1097009.28	1545615.07	1364.692	0
1410	1096998.47	1545626.08	1365.704	0
1411	1097007.98	1545614.46	1363.654	0
1412	1097017.86	1545609.23	1366.159	0
1413	1097015.93	1545609.08	1363.318	207
1414	1097014.32	1545608.89	1363.153	0
1415	1097012.99	1545608.77	1363.284	206
1416	1097012.04	1545608.68	1363.687	0
1417	1097010.82	1545608	1361.72	0
1418	1097020	1545592.14	1359.597	EST
1419	1097019.44	1545604.18	1364.473	0
1420	1097016.68	1545602.94	1362.463	0
1421	1097016.16	1545602.94	1361.992	207
1422	1097015.11	1545602.69	1361.861	0
1423	1097013.98	1545602.25	1361.936	206
1424	1097013.22	1545602.27	1362.427	0
1425	1097012.16	1545602.06	1361.89	0
1426	1097050.67	1545547.01	1349.614	EST
1427	1097021.19	1545594.15	1359.345	0
1428	1097021.6	1545594.76	1359.492	207
1429	1097021.89	1545595.11	1359.873	0
1430	1097022.41	1545595.86	1360.731	0
1431	1097019.68	1545593.83	1359.547	206
1432	1097019.06	1545593.29	1360.206	0
1433	1097017.54	1545592.79	1360.105	0
1434	1097074.42	1545511.52	1358.849	0
1435	1097073.65	1545517.47	1358.088	EST
1436	1097079.89	1545509.64	1359.655	EST
1437	1097025.59	1545595.58	1361.625	0
1438	1097023.58	1545594.17	1359.598	0

1439	1097018.57	1545590.78	1359.261	0
1440	1097020.49	1545591.75	1359.447	0
1441	1097022.47	1545593.24	1359.034	207
1442	1097021.15	1545591.87	1358.874	206
1443	1097022.19	1545592.99	1359.059	0
1444	1097026.89	1545578.86	1354.485	0
1445	1097033.71	1545568.14	1352.045	0
1446	1097028.62	1545579.9	1355.896	0
1447	1097035.07	1545568.67	1352.648	0
1448	1097029.21	1545580.34	1355.544	206
1449	1097035.83	1545568.89	1352.611	0
1450	1097030.24	1545581.02	1355.54	0
1451	1097036.34	1545569.06	1352.183	206
1452	1097031.42	1545581.58	1355.654	207
1453	1097038	1545570.06	1352.185	0
1454	1097033.32	1545581.97	1358.105	0
1455	1097039.19	1545570.63	1352.379	207
1456	1097041.15	1545571.58	1354.222	0
1457	1097044.73	1545557.09	1349.699	206
1458	1097045.19	1545553.02	1349.048	206
1459	1097043	1545555.89	1347.995	0
1460	1097046.96	1545557.47	1349.691	0
1461	1097048.98	1545558.2	1349.631	207
1462	1097034.85	1545558.68	1347.523	0
1463	1097050.51	1545558.76	1352.078	0
1464	1097033.76	1545556.49	1347.232	0
1465	1097047.97	1545553.1	1349	0
1466	1097051.22	1545553.31	1349.252	207
1467	1097026.34	1545562.74	1346.283	0
1468	1097056.51	1545554.88	1349.423	0
1469	1097057.04	1545556.03	1351.859	0
1470	1097021.56	1545561.61	1346.284	0
1471	1097059.96	1545553.31	1350.109	0
1472	1097021.53	1545558.69	1346.465	0
1473	1097027.81	1545557.59	1346.956	0
1474	1097029.97	1545554.26	1347.03	0
1475	1097060.79	1545554.88	1352.707	0
1476	1097033.65	1545553.24	1347.234	0
1477	1097038.59	1545549.87	1347.991	0

1478	1097063.24	1545551.01	1349.843	0
1479	1097035.79	1545547.06	1349.986	0
1480	1097034.24	1545545.65	1351.86	0
1481	1097063.07	1545548.78	1351.501	0
1482	1097036.93	1545544.16	1351.239	0
1483	1097061.17	1545544.21	1351.52	0
1484	1097043.49	1545549.06	1348.889	0
1485	1097043.37	1545547.58	1348.988	206
1486	1097045.28	1545545.38	1349.023	207
1487	1097070.08	1545538.8	1351.451	0
1488	1097042.95	1545544.01	1349.65	0
1489	1097070.6	1545541.56	1351.391	0
1490	1097041.21	1545540.59	1350.35	206
1491	1097043.02	1545540.97	1350.35	0
1492	1097040.68	1545538.68	1353.812	0
1493	1097069.89	1545536.06	1351.754	0
1494	1097068.56	1545535.67	1353.392	0
1495	1097045.25	1545540.72	1350.606	207
1496	1097045.79	1545541.03	1350.848	0
1497	1097054.31	1545542.45	1350.188	0
1498	1097047.33	1545542.42	1349.5	0
1499	1097053.42	1545539.77	1350.248	0
1500	1097050.38	1545540.4	1350.027	0
1501	1097055.35	1545546.91	1349.786	0
1502	1097054.8	1545548.94	1350.365	ARB
1503	1097047.34	1545533.52	1354.869	0
1504	1097047.82	1545535.35	1351.948	206
1505	1097053.44	1545537.3	1353.628	0
1506	1097048.25	1545536.35	1351.943	0
1507	1097052.59	1545537.83	1352.877	0
1508	1097048.95	1545537.29	1351.882	207
1509	1097055.62	1545534.56	1354.33	ARB
1510	1097055.5	1545533.49	1353.767	207
1511	1097056.18	1545536	1353.615	0
1512	1097054.67	1545532.52	1353.693	0
1513	1097053.9	1545531.86	1353.689	206
1514	1097053.39	1545530.7	1354.114	0
1515	1097052.53	1545529.18	1356.561	0
1516	1097078.1	1545510.1	1359.447	0

1517	1097075.41	1545508.32	1361.469	0
1518	1097081.49	1545512.8	1360.21	0
1519	1097067.78	1545516.74	1359.196	0
1520	1097065.43	1545516.94	1359.806	0
1521	1097064.7	1545515.72	1362.039	0
1522	1097069.2	1545520.61	1357	0
1523	1097071.55	1545522.77	1356.41	0
1524	1097055.06	1545531.14	1353.903	206
1525	1097056.43	1545532.57	1353.922	207
1526	1097070.48	1545522.03	1357.311	0
1527	1097064.95	1545525.9	1355.807	207
1528	1097063.91	1545524.23	1355.845	206
1529	1097059.78	1545531.53	1355.047	0
1530	1097061.29	1545532.9	1354.722	0
1531	1097070.77	1545516.34	1357.711	206
1532	1097072.68	1545518.16	1357.769	207
1533	1097056.65	1545527.8	1354.995	0
1534	1097058.5	1545525.03	1357.954	0
1535	1097080.94	1545509.56	1359.947	207
1536	1097079.39	1545507.33	1359.931	206
1537	1097087.5	1545500.94	1363.965	0
1538	1097088.21	1545502.12	1362.064	206
1539	1097089.72	1545503.52	1362.133	0
1540	1097090.52	1545504.91	1362.226	207
1541	1097090.7	1545506.86	1362.38	0
1542	1097097.12	1545497.16	1365.537	0
1543	1097097.78	1545498.61	1363.453	206
1544	1097103.1	1545493.73	1367.076	0
1545	1097104.49	1545495.12	1365.154	206
1546	1097101.51	1545492.79	1367.408	EST
1547	1097095.21	1545503.87	1362.695	207
1548	1097095.27	1545506.72	1362.894	0
1549	1097096.98	1545509.99	1362.696	0
1550	1097099.88	1545500.47	1363.619	0
1551	1097101.75	1545506.75	1363.439	0
1552	1097106	1545497.35	1364.882	0
1553	1097108.48	1545500.25	1366.127	0
1554	1097100.29	1545501.96	1363.576	207
1555	1097109.59	1545501.33	1365.368	0

1556	1097107.57	1545498.01	1364.981	207
1557	1097110.82	1545497.85	1366.718	0
1558	1097109.83	1545493.84	1365.62	207
1559	1097112.34	1545498.44	1365.824	0
1560	1097105.86	1545489.18	1366.539	207
1561	1097104.94	1545490.32	1366.243	0
1562	1097113.29	1545499.03	1365.372	0
1563	1097107.08	1545492.89	1365.57	0
1564	1097105.59	1545493.83	1365.493	206
1565	1097103.25	1545491.59	1366.53	206
1566	1097106.55	1545487.33	1368.97	0
1567	1097099.21	1545486.71	1369.983	0
1568	1097089.19	1545488.07	1371.192	0
1569	1097079.07	1545489.61	1373.254	0
1570	1097068.6	1545489.43	1375.302	0
1571	1097058.11	1545494.08	1378.134	0
1572	1097051.35	1545497.41	1379.796	0
1573	1097099.6	1545490.33	1367.414	0
1574	1097097.24	1545494.3	1366.892	0
1575	1097097.1	1545489.17	1367.874	207
1576	1097097.9	1545491.88	1367.782	206
1577	1097085.93	1545492.46	1369.767	0
1578	1097086.75	1545494.55	1369.634	206
1579	1097086.89	1545494.62	1369.614	0
1580	1097087.03	1545495.94	1368.396	0
1581	1097086.14	1545490.91	1369.705	207
1582	1097071.86	1545492.08	1372.51	0
1583	1097072.48	1545494.84	1372.447	0
1584	1097072.67	1545496.34	1371.432	0
1585	1097072.05	1545490.8	1372.479	207
1586	1097072.38	1545494.35	1372.402	206
1587	1097059.18	1545497.7	1375.735	0
1588	1097060.29	1545499.35	1376.058	0
1589	1097060.3	1545499.5	1376.061	0
1590	1097059.94	1545498.89	1375.868	206
1591	1097058.7	1545496.39	1375.888	207
1592	1097056.64	1545500.69	1376.7	EST
1593	1097059.11	1545500.14	1376.337	0
1594	1097059.72	1545500.77	1375.907	0

1595	1097059.82	1545501.64	1375.036	0
1596	1096970.5	1545536.69	1392.158	0
1597	1097053.87	1545500.26	1377.181	0
1598	1097053.15	1545499.15	1377.258	206
1599	1097054.52	1545501.9	1377.273	207
1600	1096970.53	1545535.66	1392.058	0
1601	1097054.79	1545504.02	1374.138	0
1602	1096970.47	1545534.05	1391.844	0
1603	1097041.75	1545501.94	1379.92	206
1604	1097042.34	1545503.19	1379.647	0
1605	1096971.14	1545530.08	1394.867	0
1606	1096974.44	1545529.3	1394.05	0
1607	1097043.1	1545504.37	1379.57	207
1608	1097043.24	1545504.97	1379.922	0
1609	1096975.17	1545532.92	1390.771	0
1610	1097043.36	1545506.74	1378.931	0
1611	1096975.89	1545534.45	1390.99	0
1612	1096976.6	1545535.68	1391.236	0
1613	1096981.16	1545526.98	1391.265	0
1614	1097035.77	1545509.62	1380.881	0
1615	1097036.32	1545511.19	1378.616	0
1616	1096982.86	1545529.22	1388.468	0
1617	1096984.2	1545530.8	1388.519	0
1618	1097029.05	1545512.5	1381.343	0
1619	1097028.8	1545511.06	1381.894	0
1620	1097028.43	1545510.54	1381.796	207
1621	1096991.8	1545521.61	1389.943	0
1622	1097028.02	1545508.79	1381.632	0
1623	1096995.87	1545519.37	1389.491	0
1624	1097027.58	1545507.24	1382.003	206
1625	1097001.13	1545516.79	1388.677	0
1626	1097027.06	1545505.43	1383.987	0
1627	1097005	1545513.68	1388.483	0
1628	1097009.79	1545510.61	1388.02	0
1629	1097012.56	1545511.91	1384.553	206
1630	1097013.39	1545513.49	1384.214	0
1631	1097006.17	1545516.73	1384.963	206
1632	1097014.31	1545514.97	1384.166	207
1633	1097007.49	1545518.74	1384.802	207

1634	1097007.01	1545517.85	1384.928	0
1635	1097014.91	1545516.2	1383.107	0
1636	1097008.81	1545520.05	1384.742	0
1637	1097009.03	1545520.3	1384.378	0
1638	1096996.75	1545522.11	1385.843	206
1639	1096969.36	1545536.12	1392.352	EST
1640	1096997.01	1545523.18	1385.725	0
1641	1096997.25	1545524.47	1385.709	206
1642	1096997.52	1545525.63	1385.974	0
1643	1096997.8	1545526.51	1385.117	0
1644	1096984.86	1545526.94	1387.809	207
1645	1096985.14	1545528.1	1387.842	0
1646	1096985.6	1545529.72	1387.937	206
1647	1096985.21	1545531.08	1388.232	0
1648	1096985.06	1545532.06	1387.765	0
1649	1096979.78	1545536.66	1389.503	0
1650	1096973.46	1545531.97	1391.378	207
1651	1096974.11	1545537.91	1390.793	0
1652	1096973.36	1545535.02	1391.351	206
1653	1096971.33	1545530.92	1393.983	0
1654	1096971.09	1545537.85	1391.183	0
1655	1096962.8	1545530.76	1395.585	0
1656	1096954.66	1545527.97	1395.964	0
1657	1096962.19	1545532.04	1393.452	207
1658	1096953.64	1545529.52	1394.302	207
1659	1096961.9	1545533.49	1393.157	0
1660	1096953.18	1545530.54	1394.105	0
1661	1096961.76	1545534.35	1392.977	0
1662	1096952.55	1545531.51	1394.08	0
1663	1096961.88	1545535.14	1393.203	206
1664	1096952.29	1545532.09	1394.486	206
1665	1096961.55	1545536.52	1392.836	0
1666	1096951.57	1545533.48	1393.836	0
1667	1096941.44	1545526.31	1394.989	206
1668	1096941.26	1545526.83	1395.311	0
1669	1096940.32	1545528	1394.188	0
1670	1096927.99	1545523.53	1395.527	206
1671	1096941.21	1545524.97	1395.071	0
1672	1096927.57	1545525.38	1394.41	0

1673	1096941.98	1545523.92	1395.111	207
1674	1096928.15	1545521.89	1395.551	0
1675	1096943.06	1545522.81	1397.519	0
1676	1096928.3	1545520.15	1395.68	207
1677	1096935.45	1545525.97	1395.484	ARB
1678	1096929.12	1545518.85	1397.857	0
1679	1096912.43	1545516.15	1398.017	0
1680	1096912.25	1545516.64	1396.029	207
1681	1096911.75	1545518.23	1396.119	0
1682	1096911.41	1545520.09	1396.178	206
1683	1096900.3	1545514.92	1396.687	EST
1684	1096906.01	1545519.71	1395.454	0
1685	1096906.51	1545518.73	1396.374	206
1686	1096906.63	1545518.29	1396.396	0
1687	1096906.8	1545517.74	1396.173	0
1688	1096907.34	1545516.59	1396.166	0
1689	1096907.8	1545514.98	1396.284	207
1690	1096908.92	1545513.41	1397.352	0
1691	1096900.06	1545508.81	1397.927	0
1692	1096898.98	1545509.81	1396.734	207
1693	1096896.41	1545503.41	1398.268	0
1694	1096898.17	1545511.18	1396.577	0
1695	1096894.09	1545504.1	1397.276	207
1696	1096897.25	1545512.63	1396.733	206
1697	1096891.65	1545505.53	1397.32	206
1698	1096897.11	1545513.69	1396.528	ARB
1699	1096892.6	1545504.61	1397.276	0
1700	1096895.97	1545514.31	1395.665	0
1701	1096891.54	1545506.69	1397.182	0
1702	1096889.86	1545508.31	1396.377	0
1703	1096885.4	1545504.49	1395.875	0
1704	1096890.01	1545494.42	1399.024	0
1705	1096887.62	1545503	1396.846	0
1706	1096888.09	1545495.54	1398.168	207
1707	1096888.91	1545502.6	1397.643	206
1708	1096889.56	1545502.31	1397.626	0
1709	1096886.24	1545496.31	1398.05	0
1710	1096890.42	1545501.28	1397.605	0
1711	1096885.31	1545497.4	1398.103	206

1712	1096891.37	1545500.47	1397.637	0
1713	1096885.41	1545497.97	1398.107	ARB
1714	1096893.68	1545499.26	1399.353	0
1715	1096884.57	1545498.43	1397.523	0
1716	1096857.49	1545456.12	1400.76	0
1717	1096856.52	1545456.61	1400.157	0
1718	1096856.18	1545451.41	1400.642	0
1719	1096854.68	1545452.06	1399.685	0
1720	1096858.96	1545467.1	1399.694	210
1721	1096854.33	1545448.32	1399.845	0
1722	1096857.96	1545467.5	1400.149	0
1723	1096855.74	1545448.4	1400.81	0
1724	1096857.24	1545468.13	1400.05	0
1725	1096856.08	1545468.84	1399.198	0
1726	1096854.12	1545443.14	1399.988	0
1727	1096859.89	1545465.21	1399.533	0
1728	1096853.14	1545443.39	1399.111	0
1729	1096861.01	1545462.22	1399.723	210
1730	1096851.86	1545440.24	1399.529	0
1731	1096853.03	1545440.22	1400.302	0
1732	1096855.79	1545457.58	1398.516	210
1733	1096854.8	1545458.44	1398.606	0
1734	1096850.58	1545437.31	1399.766	0
1735	1096853.91	1545459.01	1398.609	230
1736	1096849.8	1545437.72	1399.44	0
1737	1096852.41	1545459.71	1398.773	0
1738	1096851.45	1545460.15	1397.938	0
1739	1096846.14	1545436.28	1399.449	0
1740	1096846.76	1545435.58	1400.21	0
1741	1096848.55	1545449.98	1396.594	0
1742	1096849.28	1545450.11	1397.445	0
1743	1096844.37	1545435.55	1400.056	0
1744	1096850.47	1545449.89	1397.611	230
1745	1096844.51	1545434.59	1401.047	0
1746	1096851.72	1545449.31	1397.61	0
1747	1096841.79	1545433.4	1401.785	0
1748	1096852.81	1545449.01	1397.619	231
1749	1096841.89	1545432.56	1402.269	0
1750	1096849.66	1545439.82	1397.113	231

1751	1096848.32	1545440.95	1397.049	0
1752	1096836.53	1545432.04	1402.194	0
1753	1096847.39	1545442.03	1397.082	230
1754	1096834.57	1545432.65	1401.038	0
1755	1096846.03	1545443.47	1396.549	0
1756	1096846.38	1545440.31	1396.794	230
1757	1096863.9	1545461.16	1403.03	0
1758	1096847.25	1545438.97	1396.8	0
1759	1096868.29	1545462.97	1403.862	210
1760	1096843.49	1545436.68	1397.363	231
1761	1096869.71	1545461.22	1405.294	0
1762	1096842.37	1545437.67	1397.334	0
1763	1096878.02	1545468.85	1404.684	0
1764	1096879.39	1545467.71	1405.541	0
1765	1096842.44	1545438.87	1397.338	230
1766	1096842.44	1545439.21	1397.624	0
1767	1096885.34	1545471.04	1406.941	0
1768	1096885.07	1545472.16	1406.287	210
1769	1096843.51	1545439.96	1397.436	EST
1770	1096834.82	1545434.24	1397.619	231
1771	1096834.32	1545435.39	1397.74	0
1772	1096833.77	1545437	1397.791	230
1773	1096833.56	1545437.9	1397.741	0
1774	1096833.25	1545438.93	1396.835	0
1775	1096824.54	1545433.12	1397.232	0
1776	1096825.74	1545432.53	1397.996	230
1777	1096826.65	1545432.27	1398.217	0
1778	1096827.58	1545431.38	1398.156	0
1779	1096828.63	1545430.63	1398.051	231
1780	1096830.88	1545429.49	1400.911	0
1781	1096819.22	1545425.47	1397.745	EST
1782	1096819.59	1545426.98	1397.812	0
1783	1096818.6	1545428.25	1396.259	0
1784	1096827.37	1545425.96	1400.837	0
1785	1096826.01	1545427.66	1398.182	231
1786	1096812.35	1545422.96	1396.737	0
1787	1096813.22	1545422.06	1397.644	0
1788	1096813.98	1545421.22	1397.128	230
1789	1096815.08	1545419.68	1397.084	0

1790	1096815.97	1545418.53	1397.198	231
1791	1096816.97	1545418.24	1399.179	0
1792	1096817.65	1545417.93	1400.342	0
1793	1096808.34	1545412.58	1398.401	0
1794	1096807.6	1545413.62	1396.216	231
1795	1096807.41	1545415.14	1395.985	0
1796	1096807.04	1545417.13	1396.074	230
1797	1096806.87	1545417.85	1396.376	0
1798	1096806.26	1545418.79	1395.465	0
1799	1096797.95	1545416.87	1392.486	0
1800	1096798.67	1545414.96	1394.582	230
1801	1096798.84	1545413.01	1394.762	0
1802	1096798.85	1545411.36	1394.996	231
1803	1096799.26	1545410.04	1397.255	0
1804	1096793.67	1545414.94	1393.945	ARB
1805	1096789.8	1545417.43	1391.017	0
1806	1096789.85	1545415.08	1393.338	230
1807	1096789.68	1545413.26	1393.384	0
1808	1096789.12	1545411.81	1393.499	231
1809	1096788.86	1545410.83	1395.754	0
1810	1096787.41	1545415.98	1392.675	ARB
1811	1096782.68	1545416.48	1392.437	ARB
1812	1096782.43	1545418.45	1390.946	0
1813	1096782.61	1545416.17	1392.316	230
1814	1096781.96	1545414.66	1392.241	0
1815	1096781.31	1545413.47	1392.425	231
1816	1096781.48	1545412.2	1394.57	0
1817	1096772.42	1545420.55	1389.163	0
1818	1096772.83	1545418.46	1391.45	230
1819	1096772.74	1545417.27	1391.204	0
1820	1096772.74	1545415.61	1391.223	0
1821	1096772.74	1545414.17	1391.471	231
1822	1096773.43	1545413.11	1393.269	0
1823	1096779.37	1545417.48	1392.128	ARB
1824	1096764.59	1545412.78	1390.25	230
1825	1096764.25	1545414.45	1390.246	0
1826	1096752.6	1545423.8	1390.124	EST
1827	1096749.32	1545449.07	1387.405	EST
1828	1096748.66	1545446.07	1387.497	0

1829	1096751.86	1545446.45	1388.34	0
1830	1096753.54	1545445.95	1387.891	0
1831	1096753.77	1545440.56	1389.159	0
1832	1096755.52	1545440.5	1388.904	0
1833	1096751.06	1545441.33	1388.498	0
1834	1096747.12	1545440.57	1390.797	0
1835	1096751.42	1545439.51	1388.784	0
1836	1096747.88	1545438.38	1391.593	0
1837	1096765.75	1545410.53	1390.444	231
1838	1096752.29	1545433.38	1389.838	0
1839	1096766.78	1545409.91	1392.635	0
1840	1096755.07	1545433.88	1389.971	0
1841	1096755.93	1545434.08	1389.166	0
1842	1096764.7	1545411.31	1390.278	0
1843	1096763.52	1545412.57	1390.209	230
1844	1096762.65	1545413.44	1390.04	0
1845	1096761.25	1545414.26	1389.46	0
1846	1096748.8	1545435.46	1391.625	0
1847	1096756.09	1545410.03	1388.926	0
1848	1096751.49	1545431.16	1390.222	0
1849	1096756.75	1545410.03	1389.352	0
1850	1096747.47	1545429.45	1391.151	0
1851	1096757.05	1545407.48	1389.63	230
1852	1096757.57	1545405.41	1389.651	0
1853	1096743.5	1545427.34	1393.665	0
1854	1096758.11	1545403.49	1389.712	231
1855	1096750.2	1545421.71	1390.073	0
1856	1096762.52	1545402.21	1390.648	0
1857	1096752.92	1545420.87	1389.912	0
1858	1096757.99	1545400.42	1390.643	0
1859	1096754.35	1545420.82	1389.482	0
1860	1096755.1	1545400.56	1391.768	0
1861	1096756.42	1545419.48	1388.866	0
1862	1096749.77	1545401.8	1390.039	0
1863	1096746.39	1545416.75	1392.178	0
1864	1096750.15	1545409.94	1389.445	0
1865	1096747.61	1545398.85	1391.264	0
1866	1096753.67	1545410.64	1388.229	0
1867	1096750.02	1545398.13	1391.515	0

1868	1096754.82	1545409	1388.513	0
1869	1096747.06	1545394.02	1392.418	0
1870	1096752.74	1545408.86	1388.49	0
1871	1096749.33	1545393.93	1392.565	0
1872	1096750.25	1545407.64	1389.277	0
1873	1096746.98	1545410.99	1391.633	0
1874	1096751.89	1545402.32	1389.483	231
1875	1096753.43	1545407.56	1389.477	230
1876	1096748.59	1545404.74	1389.503	231
1877	1096751.97	1545411.06	1389.435	230
1878	1096748.75	1545415.14	1389.777	231
1879	1096752.2	1545419.5	1389.826	230
1880	1096747.79	1545423.69	1390.384	231
1881	1096753.11	1545428.01	1390.256	230
1882	1096743.61	1545431.55	1391.692	231
1883	1096754.01	1545434.33	1389.777	230
1884	1096741.37	1545432.68	1392.138	231
1885	1096741.97	1545433.99	1392.288	0
1886	1096742.35	1545436.58	1392.357	232
1887	1096742.43	1545436.57	1392.353	232
1888	1096752.43	1545442.07	1388.59	230
1889	1096742.78	1545438.81	1392.219	0
1890	1096748.77	1545448.64	1387.236	230
1891	1096749.33	1545431.6	1390.535	232
1892	1096750.59	1545435.34	1389.66	232
1893	1096749.07	1545443.23	1387.988	232
1894	1096748.39	1545443.06	1387.99	0
1895	1096746.22	1545446.35	1387.09	232
1896	1096688.38	1545485.6	1372.92	0
1897	1096744.36	1545445.81	1389.334	0
1898	1096697.01	1545479.38	1374.894	0
1899	1096744.39	1545452.58	1386.067	230
1900	1096745.03	1545453.61	1385.461	0
1901	1096704.97	1545475.1	1376.556	0
1902	1096745.43	1545454.03	1385.031	0
1903	1096716.5	1545468.03	1379.431	0
1904	1096743.37	1545451.23	1385.86	0
1905	1096723.47	1545463.4	1381.181	0
1906	1096742.04	1545450.29	1386.001	232

1907	1096741.01	1545448.68	1387.913	0
1908	1096730.56	1545458.57	1382.999	0
1909	1096729.96	1545457.1	1383.127	232
1910	1096729.34	1545455.66	1385.193	0
1911	1096732.19	1545459.68	1383.049	230
1912	1096718.01	1545468.94	1379.574	230
1913	1096732.65	1545460.14	1382.958	0
1914	1096733.22	1545461.21	1382.059	0
1915	1096718.77	1545469.74	1379.487	0
1916	1096716.18	1545466.27	1379.795	232
1917	1096705.93	1545472.9	1376.984	232
1918	1096715.16	1545464.98	1381.674	0
1919	1096705.25	1545471.41	1379.249	0
1920	1096707.99	1545475.24	1376.868	230
1921	1096708.41	1545475.87	1376.598	0
1922	1096690.63	1545481.56	1373.914	232
1923	1096692.98	1545484.1	1373.478	230
1924	1096693.78	1545484.55	1373.342	0
1925	1096689.73	1545486.71	1372.912	EST
1926	1096686.24	1545483.18	1375.001	0
1927	1096678.02	1545498.62	1371.107	0
1928	1096687	1545492.13	1370.495	0
1929	1096676.86	1545498.15	1371.264	232
1930	1096675.05	1545496.46	1373.395	0
1931	1096679.71	1545499.2	1370.941	230
1932	1096668.86	1545506.2	1369.564	232
1933	1096680.77	1545499.62	1370.774	0
1934	1096668.84	1545504.91	1372.106	0
1935	1096681.13	1545499.85	1370.195	0
1936	1096670.28	1545508.06	1369.779	0
1937	1096671	1545509.76	1369.928	230
1938	1096671.66	1545511.48	1369.946	0
1939	1096667	1545513.47	1369.646	0
1940	1096662.79	1545511.4	1369.202	EST
1941	1096667.04	1545504.51	1372.098	0
1942	1096667.36	1545506.52	1369.421	232
1943	1096665.04	1545508.68	1369.247	0
1944	1096661.3	1545509.52	1369.123	230
1945	1096660.36	1545510.44	1368.968	0

1946	1096659.37	1545511.23	1368.066	0
1947	1096653.85	1545501.56	1367.741	0
1948	1096654.76	1545501.68	1368.38	0
1949	1096655.2	1545493.3	1367.842	233
1950	1096655.22	1545493.34	1367.838	234
1951	1096655.94	1545501.13	1368.311	230
1952	1096657.54	1545500.13	1368.169	0
1953	1096656.69	1545492.99	1368.129	0
1954	1096659.46	1545499.55	1368.429	232
1955	1096657.68	1545492.65	1368.348	232
1956	1096660.75	1545499.3	1370.565	0
1957	1096658.36	1545492.6	1370.346	0
1958	1096653.93	1545482.1	1370.486	0
1959	1096654	1545494.42	1367.6	0
1960	1096653.18	1545482.64	1368.302	232
1961	1096653.02	1545495.55	1367.684	230
1962	1096652.23	1545483.44	1368.246	0
1963	1096652.13	1545495.97	1367.311	0
1964	1096650.64	1545484.55	1368.024	233
1965	1096651.94	1545496.64	1366.916	0
1966	1096643.85	1545481.41	1369.398	233
1967	1096647.56	1545486.03	1365.746	234
1968	1096642.62	1545479.2	1369.623	0
1969	1096648.2	1545484.92	1366.838	0
1970	1096641.82	1545477.79	1369.928	232
1971	1096641.2	1545476.87	1372.472	0
1972	1096646.9	1545488.19	1365.531	0
1973	1096646.59	1545490.18	1365.628	230
1974	1096636.55	1545484.19	1371.302	0
1975	1096645.39	1545492.56	1365.484	0
1976	1096635.35	1545483.22	1371.256	233
1977	1096641.63	1545494.19	1364.852	0
1978	1096634.34	1545482.27	1371.419	0
1979	1096639.62	1545492.9	1364.316	230
1980	1096631.64	1545483.49	1371.733	232
1981	1096630.75	1545482.72	1374.39	0
1982	1096638.56	1545491.69	1364.866	0
1983	1096633.27	1545486.76	1371.469	0
1984	1096636.76	1545490.48	1364.878	234

1985	1096632.47	1545486.07	1371.815	233
1986	1096634.26	1545504.22	1362.946	230
1987	1096636.13	1545506.02	1361.194	0
1988	1096631.97	1545504.56	1362.621	0
1989	1096630.47	1545504.2	1362.744	234
1990	1096629.14	1545503.6	1364.635	0
1991	1096621.56	1545520.31	1362.818	0
1992	1096623.26	1545520.73	1360.115	234
1993	1096624.74	1545521.31	1360.212	0
1994	1096620.15	1545536.35	1357.503	0
1995	1096625.96	1545521.66	1360.289	230
1996	1096618.91	1545536.16	1358.441	230
1997	1096617.99	1545535.43	1358.358	0
1998	1096626.87	1545522.19	1360.577	0
1999	1096616.36	1545534.93	1358.327	0
2000	1096627.41	1545522.15	1360.181	0
2001	1096614.69	1545534.36	1358.502	234
2002	1096613.55	1545533.13	1360.645	0
2003	1096608.86	1545552.4	1354.871	0
2004	1096607.36	1545551.6	1356.031	230
2005	1096606.69	1545550.8	1355.817	0
2006	1096605.52	1545549.65	1355.597	0
2007	1096604.29	1545548.5	1355.839	234
2008	1096604.08	1545547.91	1358.691	0
2009	1096600.07	1545552.05	1354.579	234
2010	1096599.58	1545549.99	1356.108	0
2011	1096601.48	1545553.1	1354.711	0
2012	1096602.66	1545554.44	1355.076	230
2013	1096603.05	1545555.12	1355.212	0
2014	1096603.99	1545556.39	1354.452	0
2015	1096590.91	1545559.14	1352.992	EST
2016	1096586.93	1545561.32	1351.969	0
2017	1096596.46	1545559.5	1352.783	0
2018	1096595.5	1545558.28	1353.174	232
2019	1096587.85	1545559.46	1352.739	232
2020	1096594.64	1545556.3	1353.258	0
2021	1096593.71	1545554.45	1353.321	234
2022	1096593.27	1545553.32	1354.584	0
2023	1096587.63	1545558.58	1352.483	0

2024	1096587.56	1545557.67	1352.186	0
2025	1096587.42	1545556.92	1352.356	0
2026	1096573.5	1545554.71	1352.057	0
2027	1096587.38	1545556.27	1352.175	234
2028	1096587.3	1545555.31	1352.524	234
2029	1096573.46	1545556.01	1349.97	234
2030	1096586.8	1545554.04	1353.324	0
2031	1096573.58	1545558	1349.975	0
2032	1096573.85	1545560	1350.053	232
2033	1096563.55	1545559.47	1349.336	232
2034	1096572.71	1545561.87	1348.88	0
2035	1096563.78	1545558.48	1348.896	0
2036	1096564.19	1545557.22	1348.717	0
2037	1096564.49	1545556.11	1348.514	0
2038	1096564.74	1545555.62	1348.651	234
2039	1096554.23	1545555.49	1347.483	EST
2040	1096563.49	1545552.92	1351.054	0
2041	1096561.93	1545560.78	1348.245	0
2042	1096549.61	1545554.71	1345.553	0
2043	1096550.42	1545553.47	1346.722	232
2044	1096543.2	1545545.77	1344.605	232
2045	1096550.7	1545552.97	1346.581	0
2046	1096542.58	1545546.19	1345.081	0
2047	1096551.55	1545551.56	1346.396	0
2048	1096541.66	1545546.99	1344.386	0
2049	1096552.46	1545549.81	1346.342	234
2050	1096545.4	1545543.69	1344.463	234
2051	1096544.93	1545544.17	1344.231	0
2052	1096553.76	1545548.32	1348.975	0
2053	1096547.19	1545542.4	1347.024	0
2054	1096544.09	1545545.13	1344.386	0
2055	1096534.4	1545537.66	1341.534	0
2056	1096535.54	1545536.77	1342.59	232
2057	1096529.47	1545530.67	1341.085	232
2058	1096528	1545531.84	1340.309	0
2059	1096536.21	1545536.53	1342.352	0
2060	1096537.28	1545535.64	1342.219	0
2061	1096530.41	1545529.98	1340.971	0
2062	1096531.09	1545529.24	1340.972	0

2063	1096538.84	1545534.53	1342.437	234
2064	1096532.59	1545527.81	1341.265	234
2065	1096532.34	1545528.28	1340.953	0
2066	1096540.56	1545533.53	1345.949	0
2067	1096534.13	1545526.88	1343.73	0
2068	1096523.11	1545520.99	1340.671	0
2069	1096516.92	1545517.56	1340.498	0
2070	1096522.92	1545522	1339.413	234
2071	1096516.63	1545517.83	1338.301	234
2072	1096521.58	1545523.57	1339.346	0
2073	1096515.82	1545519.19	1338.107	0
2074	1096520.71	1545524.66	1339.321	232
2075	1096514.9	1545520.49	1338.199	232
2076	1096519.58	1545525.73	1338.859	0
2077	1096514.32	1545521.71	1338.152	0
2078	1096736.86	1545438.13	1393.416	EST
2079	1096748.02	1545433.3	1391.018	0
2080	1096733.23	1545438.85	1393.808	0
2081	1096733.99	1545437.57	1394.081	0
2082	1096741.13	1545431.13	1393.611	0
2083	1096734.48	1545436.02	1393.472	232
2084	1096740.64	1545430.87	1393.854	ARB
2085	1096740.29	1545432.38	1392.514	236
2086	1096735.62	1545433.99	1393.449	0
2087	1096739.72	1545434.53	1392.587	0
2088	1096736.92	1545431.3	1393.524	236
2089	1096728.94	1545430.92	1395.566	0
2090	1096738.48	1545429.21	1394.507	0
2091	1096730.41	1545430.85	1394.792	0
2092	1096734.64	1545428.71	1394.489	236
2093	1096730.83	1545430.86	1394.273	232
2094	1096734.71	1545420	1396.727	236
2095	1096732.88	1545430.3	1394.37	0
2096	1096737.25	1545420.96	1396.861	0
2097	1096736.46	1545428.26	1394.342	0
2098	1096733.18	1545420.25	1396.673	0
2099	1096731.5	1545419.84	1396.993	232
2100	1096729.65	1545419.19	1397.494	0
2101	1096736.03	1545409.29	1399.482	0

2102	1096734.79	1545409.93	1399.211	236
2103	1096731.14	1545407.2	1399.881	236
2104	1096732.84	1545411.4	1399.067	0
2105	1096731.16	1545405.41	1400.893	0
2106	1096730.75	1545412.83	1399.173	232
2107	1096730.21	1545403.73	1400.198	0
2108	1096729.88	1545413.53	1399.026	0
2109	1096732.53	1545402.99	1400.46	0
2110	1096728.78	1545408.78	1400.203	0
2111	1096729.05	1545410.29	1399.937	232
2112	1096724.13	1545412.08	1401.959	0
2113	1096724.52	1545413.06	1401.11	0
2114	1096721.2	1545414.45	1402.681	ARB
2115	1096724.45	1545411.07	1401.491	232
2116	1096721.71	1545414.36	1402.208	0
2117	1096723.68	1545409.32	1401.389	0
2118	1096720.54	1545412.97	1402.688	232
2119	1096722.92	1545407.22	1401.099	236
2120	1096718.31	1545410.03	1402.416	236
2121	1096721.84	1545405.87	1403.679	0
2122	1096717.95	1545407.93	1405.333	0
2123	1096713	1545427.92	1403.379	EST
2124	1096715.78	1545408.81	1406.618	0
2125	1096724.97	1545426.79	1398.808	0
2126	1096711.49	1545410.73	1407.743	0
2127	1096707.17	1545411	1408.091	0
2128	1096710.67	1545436.18	1402.128	0
2129	1096708.39	1545434.46	1402.397	CASA
2130	1096705.28	1545439.7	1401.884	CASA
2131	1096701.6	1545409.64	1409.97	0
2132	1096696.2	1545426.82	1403.136	CASA
2133	1096691.21	1545420.32	1403.448	0
2134	1096711.53	1545413.38	1403.783	235
2135	1096711.73	1545414.4	1404.003	0
2136	1096680.43	1545414.97	1403.376	0
2137	1096711.81	1545416.16	1403.983	0
2138	1096715.94	1545419.3	1403.637	232
2139	1096717.01	1545420.21	1404.073	0
2140	1096718.07	1545420.98	1403.177	0

2141	1096683.82	1545411.96	1403.571	0
2142	1096688.41	1545414.26	1406.287	0
2143	1096714.65	1545426.27	1403.036	0
2144	1096713.87	1545425.86	1403.49	0
2145	1096712.98	1545425.82	1403.281	232
2146	1096689.76	1545415.77	1403.679	0
2147	1096709.79	1545423.75	1403.258	0
2148	1096696.63	1545416.9	1406.853	0
2149	1096701.22	1545418.88	1403.324	237
2150	1096695.67	1545417.72	1403.539	0
2151	1096702.14	1545417.97	1405.282	0
2152	1096701	1545423.16	1403.267	0
2153	1096712.23	1545419.17	1403.708	237
2154	1096706.8	1545416.91	1404.883	237
2155	1096706.57	1545417.18	1405.055	0
2156	1096706.31	1545415.43	1404.909	0
2157	1096706.18	1545413.19	1404.994	235
2158	1096701.6	1545412.34	1405.968	235
2159	1096701.53	1545413.73	1406.285	0
2160	1096700.86	1545415.46	1406.456	237
2161	1096701.12	1545416.5	1406.382	0
2162	1096676.98	1545391.92	1413.859	EST
2163	1096635.25	1545362.52	1424.642	0
2164	1096634.71	1545361.65	1425.256	0
2165	1096632.98	1545359.97	1424.97	0
2166	1096688.09	1545408.48	1407.924	0
2167	1096689.02	1545406.93	1409.71	237
2168	1096689.38	1545406.69	1409.569	0
2169	1096690.4	1545405.68	1409.424	0
2170	1096691.42	1545404.54	1409.365	235
2171	1096693.14	1545403.48	1412.372	0
2172	1096631.26	1545357.36	1427.673	0
2173	1096684.15	1545394.54	1414.388	0
2174	1096683.04	1545394.93	1411.826	235
2175	1096682.07	1545395.78	1412.022	0
2176	1096681.21	1545396.58	1412.188	0
2177	1096680.53	1545397	1412.504	237
2178	1096679.47	1545397.6	1411.474	0
2179	1096639.4	1545354.08	1423.418	0

2180	1096637.43	1545351.76	1425.511	0
2181	1096677.32	1545382.27	1417.081	0
2182	1096640.32	1545355.17	1423.334	0
2183	1096675.52	1545382.81	1414.912	235
2184	1096641.49	1545356.3	1422.888	0
2185	1096674.3	1545383.76	1415.086	0
2186	1096673.27	1545384.45	1415.247	0
2187	1096646.67	1545355.44	1421.287	0
2188	1096672.01	1545385.44	1414.655	0
2189	1096646.42	1545354.6	1422.14	0
2190	1096672.98	1545384.82	1415.309	237
2191	1096645.17	1545352.25	1422.261	0
2192	1096642.51	1545348.73	1424.997	0
2193	1096664.1	1545373.32	1417.435	0
2194	1096654.47	1545353.65	1423.7	0
2195	1096665.25	1545372.65	1418.034	237
2196	1096652.92	1545354.99	1421.228	0
2197	1096665.84	1545372.15	1417.842	0
2198	1096651.52	1545357.19	1421.355	0
2199	1096666.8	1545371.5	1417.679	0
2200	1096651.18	1545357.69	1420.677	0
2201	1096667.68	1545370.85	1417.517	0
2202	1096667.91	1545370.69	1417.859	235
2203	1096662.43	1545362.28	1422.154	0
2204	1096668.96	1545370.21	1420.255	0
2205	1096661.51	1545362.68	1419.702	235
2206	1096660.62	1545363.57	1419.466	0
2207	1096654.68	1545355.2	1421.304	235
2208	1096659.1	1545364.85	1419.672	237
2209	1096652.63	1545357.31	1421.241	237
2210	1096658.84	1545365.89	1419.121	0
2211	1096647.75	1545353.79	1421.857	237
2212	1096649.24	1545350.7	1421.925	235
2213	1096642.19	1545350.89	1423.015	235
2214	1096643.97	1545353.68	1422.455	237
2215	1096639.61	1545356.32	1423.788	237
2216	1096637.09	1545354.16	1424.165	235
2217	1096633.65	1545360.68	1424.892	237
2218	1096631.74	1545358.82	1425.328	235

2219	1096634.34	1545361.54	1425.258	EST
2220	1096628.49	1545358.25	1428.368	0
2221	1096628.36	1545359.78	1425.955	235
2222	1096628.4	1545360.26	1425.645	0
2223	1096628.32	1545361.25	1425.74	0
2224	1096628.45	1545362.01	1425.51	0
2225	1096628.69	1545363.41	1426.067	237
2226	1096628.09	1545364.31	1426.081	0
2227	1096619.46	1545360.89	1427.534	0
2228	1096618.09	1545358.68	1427.98	EST
2229	1096620.89	1545358.83	1427.235	0
2230	1096619.7	1545360.31	1427.59	237
2231	1096621.41	1545357.88	1427.096	0
2232	1096620.12	1545359.71	1427.177	0
2233	1096621.8	1545357.18	1427.353	235
2234	1096623.31	1545355.79	1429.325	0
2235	1096616.66	1545349.83	1430.951	0
2236	1096615.24	1545350.59	1429.152	235
2237	1096614.5	1545351.16	1428.73	0
2238	1096613.74	1545351.84	1428.887	0
2239	1096612.88	1545352.65	1428.902	0
2240	1096612.34	1545353.31	1429.035	237
2241	1096610.85	1545355.43	1426.913	0
2242	1096590.55	1545328.77	1434.716	0
2243	1096593.92	1545329.16	1434.973	0
2244	1096607.47	1545339.85	1433.888	0
2245	1096595.62	1545330.03	1434.71	0
2246	1096605.45	1545341.16	1431.33	235
2247	1096599.12	1545335.18	1433.261	235
2248	1096604.34	1545342.55	1431.178	0
2249	1096600.3	1545335.43	1435.804	0
2250	1096603.54	1545343.33	1431.079	0
2251	1096598.77	1545336.2	1432.78	0
2252	1096603.27	1545343.99	1431.55	237
2253	1096597.11	1545337.69	1433.162	237
2254	1096597.69	1545337.08	1432.792	0
2255	1096591.72	1545324.9	1435.839	EST
2256	1096593.42	1545333.35	1434.441	237
2257	1096592.49	1545328.11	1435.256	237

2258	1096596.16	1545330.48	1434.474	235
2259	1096645.49	1545312.86	1445.797	0
2260	1096601.66	1545345.18	1431.211	0
2261	1096644.83	1545314.74	1444.764	0
2262	1096597.1	1545339.94	1432.667	0
2263	1096593.79	1545336.54	1433.383	0
2264	1096636.85	1545313.2	1444.387	0
2265	1096636.08	1545315.9	1443.866	0
2266	1096627.3	1545317.23	1442.55	0
2267	1096626.94	1545316.23	1442.336	0
2268	1096626.28	1545314.72	1443.353	0
2269	1096598.71	1545330.71	1435.526	0
2270	1096616.41	1545319.08	1439.931	0
2271	1096597.05	1545330.04	1435.076	235
2272	1096615.83	1545318.27	1440.128	0
2273	1096615.65	1545317.73	1439.898	0
2274	1096596.17	1545329.7	1434.682	0
2275	1096614.32	1545316.4	1442.287	0
2276	1096601.34	1545326.27	1437.918	0
2277	1096605.09	1545317.25	1440.418	0
2278	1096600.09	1545324.55	1436.963	235
2279	1096606.15	1545319.6	1438.066	0
2280	1096599.12	1545324	1436.294	0
2281	1096606.4	1545320.24	1438.275	0
2282	1096598.33	1545323.32	1436.528	0
2283	1096606.68	1545321.11	1438.079	0
2284	1096597.98	1545322.96	1436.339	0
2285	1096606.96	1545321.67	1438.444	235
2286	1096595.93	1545321.49	1436.705	237
2287	1096605.93	1545318.78	1438.387	237
2288	1096593.7	1545320.39	1436.303	0
2289	1096608.04	1545323.55	1440.048	0
2290	1096591.64	1545318.65	1435.485	0
2291	1096619.49	1545316.61	1440.894	237
2292	1096619.75	1545319.22	1440.952	235
2293	1096629.74	1545317.92	1442.875	235
2294	1096629.9	1545315.64	1443.097	237
2295	1096638.74	1545314.5	1444.215	237
2296	1096646.14	1545314.07	1445.261	EST

2297	1096645.74	1545313.7	1445.228	237
2298	1096628.86	1545319.8	1442.809	0
2299	1096633.56	1545317.52	1443.363	0
2300	1096633.84	1545318.63	1443.403	235
2301	1096633.84	1545319.52	1443.186	0
2302	1096645.72	1545317.08	1445.163	0
2303	1096646.17	1545317.66	1445.28	235
2304	1096657.94	1545318.22	1445.685	0
2305	1096647.02	1545318.95	1444.679	0
2306	1096657.59	1545316.68	1446.917	235
2307	1096657.36	1545315.04	1446.782	0
2308	1096657.23	1545313.9	1446.423	0
2309	1096668.19	1545315.55	1448.148	0
2310	1096656.91	1545312.72	1446.75	237
2311	1096667.59	1545314.72	1448.572	235
2312	1096656.59	1545311.5	1447.079	0
2313	1096667.22	1545313.36	1448.386	0
2314	1096666.75	1545312.34	1448.196	0
2315	1096666.17	1545311.46	1448.47	237
2316	1096665.63	1545310.19	1449.607	0
2317	1096676.33	1545311.3	1449.804	EST
2318	1096676.62	1545304.9	1452.625	0
2319	1096677.36	1545306.1	1450.311	237
2320	1096677.96	1545307.86	1450.004	0
2321	1096687.89	1545300.8	1454.807	0
2322	1096678.77	1545308.96	1450.108	0
2323	1096689.15	1545301.91	1452.332	237
2324	1096679.25	1545310.28	1450.064	235
2325	1096679.72	1545311.13	1449.515	0
2326	1096689.74	1545302.96	1452.146	0
2327	1096690.39	1545303.87	1452.415	0
2328	1096691.21	1545304.81	1452.513	0
2329	1096699.29	1545300.68	1453.581	0
2330	1096691.61	1545305.6	1452.629	235
2331	1096698.35	1545299.78	1453.903	235
2332	1096696.76	1545298.15	1453.51	0
2333	1096692.78	1545306.33	1452.127	0
2334	1096695.62	1545297.26	1453.447	0
2335	1096700.54	1545294.09	1454.105	235

2336	1096701.44	1545295.09	1453.866	0
2337	1096700.32	1545294.3	1454.203	EST
2338	1096692.98	1545298.18	1453.381	237
2339	1096691.31	1545297.2	1455.259	0
2340	1096693.61	1545292.54	1456.691	0
2341	1096695.71	1545292.72	1454.646	237
2342	1096697.73	1545292.58	1454.329	0
2343	1096700.46	1545291	1454.499	0
2344	1096701.47	1545290.58	1455.093	235
2345	1096702.21	1545290.41	1454.9	0
2346	1096700.06	1545282.67	1456.265	0
2347	1096699.66	1545283.5	1456.037	235
2348	1096698.77	1545284.22	1455.664	0
2349	1096697.15	1545285.32	1455.694	0
2350	1096696.15	1545286.37	1455.77	0
2351	1096694.74	1545287.73	1455.739	0
2352	1096694.25	1545288.26	1456.047	237
2353	1096692.8	1545289.52	1457.387	0
2354	1096697.92	1545279.31	1458.729	0
2355	1096698.1	1545279.4	1457.284	0
2356	1096695.58	1545281.18	1456.514	235
2357	1096694.13	1545280.01	1459.071	0
2358	1096687.48	1545279.98	1459.837	0
2359	1096687.55	1545281.54	1457.714	235
2360	1096668.45	1545261.04	1472.297	EST
2361	1096662.26	1545248.62	1477.973	EST
2362	1096686.63	1545283.51	1457.772	0
2363	1096686.77	1545285.5	1458.019	237
2364	1096676.01	1545280.41	1460.604	0
2365	1096675.64	1545282.12	1459.576	235
2366	1096675.38	1545283.75	1459.395	0
2367	1096675.12	1545285.94	1459.467	237
2368	1096668.53	1545277.72	1461.67	0
2369	1096674.85	1545287.38	1459.184	0
2370	1096668.02	1545278.98	1460.635	235
2371	1096654.41	1545270.2	1464.848	0
2372	1096655.74	1545269.45	1464.86	0
2373	1096667.59	1545281.1	1460.416	0
2374	1096654.46	1545270.28	1463.304	235

2375	1096667.13	1545282.63	1460.482	237
2376	1096653.3	1545271.89	1463.207	0
2377	1096667	1545283.92	1460.169	0
2378	1096652.55	1545272.54	1463.175	237
2379	1096666.54	1545285.68	1458.906	0
2380	1096651.94	1545273.14	1463.396	237
2381	1096650.7	1545274.3	1462.297	0
2382	1096648.41	1545261.16	1467.781	0
2383	1096646.38	1545262.24	1465.621	235
2384	1096644.8	1545263.38	1465.169	0
2385	1096643.83	1545263.74	1465.252	0
2386	1096642.69	1545263.95	1465.708	237
2387	1096641.39	1545264.35	1465.031	0
2388	1096646	1545254.23	1469.362	0
2389	1096645.9	1545241.53	1471.241	0
2390	1096643.57	1545254.11	1467.268	235
2391	1096644.22	1545241.74	1469.159	235
2392	1096641.68	1545254.09	1467.08	0
2393	1096643.06	1545241.83	1468.822	0
2394	1096640.19	1545254.34	1467.341	0
2395	1096641.43	1545241.95	1468.88	0
2396	1096639.61	1545254.3	1467.455	237
2397	1096639.49	1545242.42	1469.09	237
2398	1096638.57	1545255.06	1466.902	0
2399	1096638.16	1545242.89	1468.306	0
2400	1096639.39	1545234.99	1471.417	0
2401	1096626.58	1545233.78	1473.688	0
2402	1096638.65	1545236.32	1469.555	235
2403	1096625.73	1545235.07	1471.55	235
2404	1096637.57	1545238.09	1469.308	0
2405	1096625.72	1545236.66	1471.126	0
2406	1096637.05	1545239.29	1469.135	0
2407	1096636.87	1545239.78	1469.291	237
2408	1096636.23	1545241.36	1468.309	0
2409	1096629.99	1545238.47	1470.451	237
2410	1096629.98	1545237.88	1470.33	0
2411	1096630.42	1545239.51	1469.854	0
2412	1096621.44	1545231.94	1474.596	0
2413	1096620.56	1545233.29	1472.287	235

2414	1096620.39	1545234	1471.997	0
2415	1096619.4	1545235.62	1472.015	0
2416	1096619.05	1545236.3	1472.479	237
2417	1096618.55	1545236.89	1472.314	0
2418	1096610.21	1545232.78	1474.47	0
2419	1096611.05	1545231.81	1474.662	237
2420	1096611.25	1545231.47	1474.529	0
2421	1096611.87	1545230.44	1474	0
2422	1096612.48	1545229.83	1474.164	0
2423	1096613.66	1545228.57	1474.47	235
2424	1096614.79	1545227.46	1475.834	0
2425	1096604.73	1545225.52	1474.963	0
2426	1096605.93	1545224.95	1475.739	237
2427	1096606.79	1545224.23	1475.376	0
2428	1096608.28	1545223.55	1475.517	0
2429	1096610.85	1545222.27	1476.87	0
2430	1096605.47	1545224.3	1475.847	EST
2431	1096607.67	1545217.6	1477.87	0
2432	1096606.32	1545218.05	1476.64	235
2433	1096604.79	1545218.84	1476.361	0
2434	1096604.28	1545219.17	1476.109	0
2435	1096603.33	1545219.59	1476.461	237
2436	1096602.99	1545219.94	1476.395	0
2437	1096602.32	1545220.44	1475.706	0
2438	1096603.08	1545207.96	1479.732	0
2439	1096601.62	1545208.52	1478.032	235
2440	1096599.81	1545200.57	1478.658	235
2441	1096601.05	1545208.66	1477.742	0
2442	1096598.59	1545200.94	1478.56	0
2443	1096600.01	1545208.85	1477.707	0
2444	1096597.67	1545201.06	1478.385	0
2445	1096598.25	1545209.51	1477.812	237
2446	1096596.59	1545201.29	1478.602	237
2447	1096597.41	1545209.51	1477.323	0
2448	1096595.52	1545201.58	1477.966	0
2449	1096601.52	1545201.85	1479.826	0
2450	1096598.14	1545193.66	1479.362	0
2451	1096597.16	1545193.61	1479.256	0
2452	1096596.47	1545193.65	1479.29	237

2453	1096595.67	1545193.67	1478.824	0
2454	1096594.06	1545183.31	1481.201	EST
2455	1096592.48	1545185.42	1480.765	0
2456	1096594	1545185.09	1481.034	237
2457	1096595.09	1545184.19	1480.841	0
2458	1096599.42	1545195.81	1479.117	0
2459	1096600.27	1545195.77	1479.451	235
2460	1096601.13	1545195.77	1481.343	0
2461	1096600.88	1545186.69	1482.088	0
2462	1096599.32	1545186.59	1480.442	235
2463	1096600.63	1545182.87	1481.493	235
2464	1096601.27	1545184.71	1482.669	0
2465	1096622.18	1545195.58	1487.557	0
2466	1096596.85	1545178.05	1481.95	235
2467	1096622.19	1545196.91	1486.761	0
2468	1096596.46	1545176.88	1484.2	0
2469	1096621.62	1545200.86	1486.558	0
2470	1096592.38	1545180.11	1481.67	0
2471	1096621.23	1545203.31	1485.77	0
2472	1096590.68	1545181.53	1481.691	0
2473	1096590.52	1545181.98	1482.12	235
2474	1096589.88	1545183	1482.075	0
2475	1096589.15	1545183.76	1481.564	0
2476	1096616.22	1545193.75	1486.998	0
2477	1096591.79	1545178.21	1481.98	0
2478	1096615.16	1545195.02	1485.671	0
2479	1096591.84	1545177.57	1482.261	235
2480	1096612.84	1545197.41	1485.583	0
2481	1096592.32	1545176.79	1484.321	0
2482	1096606.64	1545192.61	1483.921	0
2483	1096579.47	1545169.11	1486.595	0
2484	1096608.24	1545190.59	1483.826	0
2485	1096610.09	1545188.33	1484.012	0
2486	1096610.3	1545188.18	1484.526	0
2487	1096579.01	1545169.85	1484.723	235
2488	1096578.43	1545170.57	1484.456	0
2489	1096577.96	1545171.24	1484.471	0
2490	1096577.34	1545171.91	1484.26	0
2491	1096576.9	1545172.41	1484.674	237

2492	1096576.69	1545172.73	1484.524	0
2493	1096576.42	1545173.16	1483.985	0
2494	1096607.23	1545182.2	1484.656	0
2495	1096606.41	1545182.96	1482.729	0
2496	1096604.07	1545184.8	1482.819	0
2497	1096603.51	1545186.25	1483.982	0
2498	1096565.14	1545159.1	1489.397	0
2499	1096564.49	1545159.83	1487.724	235
2500	1096563.55	1545160.94	1487.617	0
2501	1096563.03	1545161.7	1487.425	0
2502	1096562.68	1545162.12	1487.647	237
2503	1096562.33	1545162.62	1487.68	0
2504	1096561.7	1545163.74	1487.136	0
2505	1096601.01	1545182.99	1481.725	0
2506	1096601.19	1545180.29	1482.065	0
2507	1096600.99	1545178.06	1482.136	0
2508	1096600.74	1545176.78	1483.907	0
2509	1096548.07	1545148.25	1493.534	0
2510	1096547.11	1545149.6	1491.995	235
2511	1096546.79	1545150.33	1491.624	0
2512	1096545.61	1545152.32	1491.788	0
2513	1096545.35	1545152.76	1491.916	237
2514	1096544.8	1545153.96	1491.649	0
2515	1096975.57	1545491.19	1419.25	EST
2516	1096981.78	1545481.59	1420.948	EST
2517	1096962.78	1545451.9	1426.034	EST
2518	1096991.64	1545465.76	1430.211	EST
2519	1097124.33	1545339.81	1472.956	EST
2520	1097113.98	1545336.16	1471.231	EST
2521	1097119.4	1545340.39	1471.405	0
2522	1097111.73	1545336.03	1470.199	0
2523	1097112.53	1545335.27	1470.891	240
2524	1097120.02	1545338.84	1472.299	240
2525	1097112.27	1545335.68	1470.8	0
2526	1097120.46	1545337.72	1471.998	0
2527	1097113.3	1545334.34	1470.714	0
2528	1097120.65	1545336.55	1471.957	0
2529	1097114.24	1545333.18	1470.842	0
2530	1097115.21	1545331.97	1471.09	242

2531	1097121.38	1545334.54	1472.322	242
2532	1097116.43	1545331.32	1473.129	0
2533	1097122.02	1545333.09	1475.104	0
2534	1097124.45	1545333.71	1475.147	0
2535	1097124.61	1545334.92	1472.828	242
2536	1097124.99	1545336.69	1472.731	0
2537	1097127.69	1545332.1	1475.87	0
2538	1097125.39	1545337.86	1472.783	0
2539	1097128.62	1545332.95	1473.761	242
2540	1097126.19	1545338.74	1473.214	241
2541	1097130.03	1545334.57	1473.603	0
2542	1097127.1	1545340.12	1473.062	0
2543	1097126.9	1545340.81	1472.391	0
2544	1097131.24	1545336.28	1473.839	241
2545	1097132.08	1545337.57	1472.873	0
2546	1097143.19	1545325.55	1475.883	0
2547	1097142.27	1545325.24	1476.466	241
2548	1097152.94	1545313.06	1478.471	241
2549	1097153.91	1545314.23	1477.651	0
2550	1097141.53	1545324.69	1476.287	0
2551	1097140.39	1545323.85	1476.223	0
2552	1097151.27	1545312.08	1478.501	0
2553	1097139.46	1545323.25	1476.301	0
2554	1097138.21	1545322.39	1477.349	242
2555	1097149.83	1545311.06	1478.607	242
2556	1097138.53	1545322.46	1478.68	0
2557	1097149.18	1545310.12	1480.8	0
2558	1097157.34	1545303.19	1479.607	0
2559	1097158.94	1545303.95	1479.574	0
2560	1097159.61	1545304.67	1479.666	241
2561	1097160.27	1545305.03	1479.863	0
2562	1097162.44	1545298.1	1480.155	EST
2563	1097154.7	1545302.41	1482.511	0
2564	1097162.13	1545305.46	1478.691	0
2565	1097164.82	1545295.23	1479.293	0
2566	1097162.99	1545295.11	1480.222	241
2567	1097161.3	1545294.79	1480.313	0
2568	1097159.96	1545294.93	1480.469	242
2569	1097157.17	1545298.76	1483.092	0

2570	1097158.03	1545294.4	1482.195	0
2571	1097157.07	1545294.62	1483.248	0
2572	1097166.53	1545284.08	1479.648	0
2573	1097165.47	1545283.93	1480.573	241
2574	1097163.88	1545283.41	1480.699	0
2575	1097162.08	1545283.2	1480.8	242
2576	1097159.34	1545285.77	1483.605	0
2577	1097172.21	1545275.89	1479.806	0
2578	1097170.92	1545275.21	1480.646	241
2579	1097178.39	1545269.2	1480.856	241
2580	1097169.31	1545274.05	1480.793	0
2581	1097178.88	1545270.39	1479.648	0
2582	1097177.44	1545267.77	1481.105	0
2583	1097168.18	1545273.31	1480.943	242
2584	1097175.81	1545266.43	1481.174	242
2585	1097167.24	1545272.71	1483.108	0
2586	1097177.23	1545264.76	1482.883	0
2587	1097204.02	1545260.07	1482.533	EST
2588	1097188.68	1545260.93	1485.57	0
2589	1097196.18	1545257.87	1485.896	0
2590	1097184.64	1545267.06	1481.678	241
2591	1097184.99	1545268.11	1481.173	0
2592	1097205.43	1545253.37	1486.176	0
2593	1097183.95	1545265.32	1481.595	0
2594	1097183.37	1545263.69	1481.719	242
2595	1097212.85	1545250.43	1486.536	0
2596	1097197.12	1545262.88	1482.386	ARB
2597	1097197.12	1545262.87	1482.384	241
2598	1097197.6	1545264.38	1481.401	0
2599	1097222.52	1545243.88	1487.273	0
2600	1097196.61	1545261.19	1482.34	0
2601	1097196.03	1545259.64	1482.431	242
2602	1097229.09	1545239.44	1488.255	0
2603	1097206.28	1545256.03	1482.642	242
2604	1097206.68	1545257.83	1482.582	0
2605	1097237.54	1545231.41	1490.29	0
2606	1097207.32	1545260.14	1482.612	241
2607	1097207.94	1545261.23	1482.177	0
2608	1097244.97	1545230.76	1486.846	0

2609	1097246.17	1545232.74	1486.123	0
2610	1097217.72	1545255.61	1483.268	0
2611	1097217.82	1545255.63	1483.293	241
2612	1097236.84	1545237.69	1485.639	0
2613	1097218.14	1545256.41	1482.556	0
2614	1097217.12	1545254.71	1483.074	0
2615	1097239.21	1545241.06	1483.787	0
2616	1097216.43	1545253.23	1483.081	0
2617	1097215.51	1545251.77	1483.324	242
2618	1097228.91	1545248.45	1482.112	0
2619	1097228.04	1545247.05	1483.935	241
2620	1097227.09	1545245.86	1483.921	0
2621	1097226.05	1545244.66	1484.012	242
2622	1097236.64	1545236.65	1485.845	242
2623	1097237.89	1545236.82	1485.841	241
2624	1097239.35	1545237.98	1485.82	241
2625	1097246.45	1545231.59	1486.806	241
2626	1097244.59	1545229.31	1486.977	242
2627	1097251.86	1545224.54	1486.783	242
2628	1097252.53	1545225.66	1486.82	0
2629	1097253.39	1545227.15	1486.758	241
2630	1097253.91	1545228.14	1485.595	0
2631	1097256.93	1545219.73	1489.804	0
2632	1097263.55	1545216.77	1489.86	0
2633	1097244.83	1545230.63	1486.879	EST
2634	1097285.01	1545207.58	1488.77	EST
2635	1097255.52	1545223.25	1486.571	242
2636	1097265.42	1545218.38	1486.64	242
2637	1097255.93	1545224.4	1486.632	0
2638	1097266.27	1545219.8	1486.623	0
2639	1097256.9	1545225.83	1486.555	241
2640	1097267.16	1545221.62	1486.576	241
2641	1097257.67	1545226.95	1484.768	0
2642	1097267.89	1545223.64	1484.755	0
2643	1097272.33	1545212.32	1489.906	0
2644	1097279.35	1545205.84	1490.174	0
2645	1097273.17	1545213.55	1487.06	242
2646	1097280.22	1545206.93	1487.998	242
2647	1097274.36	1545214.86	1487.02	0

2648	1097281.91	1545207.69	1487.988	0
2649	1097275.95	1545216.21	1486.968	241
2650	1097283.59	1545208.65	1488.123	241
2651	1097276.85	1545216.79	1486.262	0
2652	1097284.39	1545209.23	1487.929	0
2653	1097285.51	1545210.02	1486.918	0
2654	1097287.92	1545201.32	1488.077	0
2655	1097286.29	1545192.77	1488.079	0
2656	1097286.85	1545201.61	1488.617	241
2657	1097285.09	1545193.06	1489.19	241
2658	1097285.98	1545201.64	1488.366	0
2659	1097284.32	1545192.87	1488.91	0
2660	1097284.18	1545201.28	1488.38	0
2661	1097283.22	1545193.24	1488.821	0
2662	1097282.71	1545202.01	1488.356	242
2663	1097281.62	1545193.88	1489.02	242
2664	1097281.33	1545201.52	1490.814	0
2665	1097280.76	1545194.43	1491.36	0
2666	1097280.41	1545181.38	1489.568	0
2667	1097285.79	1545175.82	1491.01	0
2668	1097281.54	1545182.25	1488.875	242
2669	1097286.07	1545176.26	1489.18	242
2670	1097282.93	1545182.62	1488.797	0
2671	1097287.28	1545177.48	1489.001	0
2672	1097284.68	1545183.38	1488.703	241
2673	1097288.2	1545179.1	1488.758	241
2674	1097285.7	1545183.99	1487.673	0
2675	1097288.97	1545180.62	1487.601	0
2676	1097295.07	1545176.75	1488.508	0
2677	1097294.24	1545176.01	1488.979	241
2678	1097304.73	1545174.32	1488.47	0
2679	1097293.42	1545174.39	1489.213	0
2680	1097303.75	1545173.05	1489.212	241
2681	1097293.17	1545172.99	1489.236	242
2682	1097303.06	1545170.77	1489.087	0
2683	1097291.69	1545172.25	1491.417	0
2684	1097302.58	1545168.82	1489.371	242
2685	1097302.03	1545167.7	1491.496	0
2686	1097127.01	1546492.17	1585.9	203

2687	1096951.03	1545261.51	1494.09	ALC
2688	1096955.8	1545259.77	1494.496	210
2689	1096956.93	1545257.54	1497.4397	0
2690	1097071.46	1545304.41	1464.083	211
2691	1097076.09	1545303.6	1464.2932	211
2692	1096999.42	1545633.73	1368.143	206
2693	1097069.25	1545310	1464.908	210
2694	1096627.14	1545231.63	1476.42	0
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2696	1096640.42	1545233.65	1473.417	0
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2699	1096600.64	1545221.77	1475.706	0
2700	1097146.43	1546416.07	1571.038	ESTS3
2701	1097124.22	1546493.98	1585.9	ESTS1
2702	1097167.78	1546347.77	1550.589	ESTS4
2703	1097066.03	1546151.19	1521.578	MOJON2
2704	1097015.96	1546159.79	1512.901	S5
2705	1097002.63	1546122.94	1507.401	S6
2706	1096999.59	1546066.18	1502.345	S7
2707	1097009.47	1545260.79	1509.986	AUX1
2708	1097039.03	1545251.82	1506.632	AUX
2709	1096950.87	1545310.37	1481.086	GPS4
2710	1096990.49	1545469.73	1423.577	DEL
2711	1096961.63	1545455.89	1419.396	AUX5
2712	1096858.08	1545474.28	1393.541	D3
2713	1096858.53	1545460.76	1394.844	D4
2714	1097015.74	1546048.82	1500.522	S8
2715	1097095.15	1545951.76	1478.227	S9
2716	1097086.93	1545927.08	1474.655	S10
2717	1097118.15	1545874.01	1464.762	S11
2718	1097101.03	1545831.61	1458.776	S12
2719	1097095.88	1545757.75	1448.571	3P
2720	1097051.78	1545761.41	1443.792	29P
2721	1097052.15	1545758.55	1443.999	MOJON2P
2722	1097005.57	1545792.38	1436.954	37P
2723	1097003.56	1545819.6	1431.979	38P
2724	1096951.95	1545816.31	1425.906	39P
2725	1096909.11	1545839.18	1420.772	40P

2726	1096879.66	1545815.89	1414.27	41P
2727	1096884.99	1545790.04	1409.514	42P
2728	1096901.13	1545731.66	1401.384	43P
2729	1096981.12	1545719.4	1385.764	44P
2730	1097007.19	1545690.58	1378.671	45P
2731	1097030.51	1545623.22	1367.725	46P
2732	1096996.59	1545635.39	1361.203	47P
2733	1097018.95	1545596.19	1352.657	48P
2734	1097049.62	1545551.06	1342.674	49P
2735	1097072.6	1545521.52	1351.148	50P
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2737	1097100.46	1545496.84	1360.468	52P
2738	1097055.59	1545504.74	1369.76	53P
2739	1096968.31	1545540.17	1385.412	54P
2740	1096899.25	1545518.97	1389.747	55P
2741	1096842.46	1545444.01	1390.496	D5
2742	1096818.17	1545429.52	1390.805	D6
2743	1096751.55	1545427.85	1383.184	D7
2744	1096748.27	1545453.12	1380.465	D8
2745	1096688.68	1545490.76	1365.972	D10
2746	1096661.74	1545515.45	1362.262	D11
2747	1096589.86	1545563.19	1346.052	D12
2748	1096553.18	1545559.54	1340.543	D13
2749	1096735.81	1545442.18	1386.476	D9
2750	1096711.95	1545431.97	1396.439	D14
2751	1096675.93	1545395.97	1406.919	D15
2752	1096633.29	1545365.59	1418.318	D16
2753	1096617.04	1545362.73	1421.04	D17
2754	1096590.67	1545328.95	1428.899	D18
2755	1096645.09	1545318.11	1438.321	D19
2756	1096675.28	1545315.35	1442.864	D20
2757	1096699.27	1545298.35	1447.263	D21
2758	1096667.4	1545265.09	1465.357	D22
2759	1096661.21	1545252.67	1471.033	D23
2760	1096604.42	1545228.35	1468.907	D24
2761	1096593.01	1545187.36	1474.261	D25
2762	1096974.52	1545495.24	1412.31	C1
2763	1096980.73	1545485.64	1414.008	C2
2764	1096961.73	1545455.95	1419.094	D2

2765	1096990.59	1545469.8	1423.271	D1
2766	1097123.28	1545343.85	1466.016	Z5
2767	1097112.93	1545340.21	1464.291	Z4
2768	1097161.39	1545302.14	1473.215	Z6
2769	1097202.97	1545264.12	1475.593	Z7
2770	1097243.78	1545234.68	1479.939	Z8
2771	1097283.96	1545211.63	1481.83	Z9

CONTROL DE EJECUCION DE DISEÑO

El control topográfico es una actividad esencial para garantizar que un proyecto vial rural se ejecute de acuerdo con los diseños establecidos por el ingeniero civil, asegurando su correcta implementación en el terreno. En este proceso, la mano de obra de la comisión topográfica se limitó exclusivamente al levantamiento de control y validación, sin realizar actividades de excavación o replanteo nuevo.

Control de Cotas

El control de cotas se centra en validar las elevaciones propuestas en el diseño en relación con la topografía existente, utilizando nivelación geométrica y estacionamientos de control para confirmar las diferencias de altura establecidas en los planos. Esto permitió verificar que las cotas de rasante, subrasante y otros elementos del perfil longitudinal correspondieran con el diseño, apoyándose en una red de puntos de control georreferenciados. Mediante el uso de equipos como nivel óptico y estación total, se corroboraron las cotas en cada etapa del proyecto. Este trabajo contribuyó a garantizar que las pendientes y secciones propuestas en el diseño se plasmaran correctamente en el terreno, sin intervenir directamente en actividades de ajuste físico o excavación.

Control de Abscisas

El control de abscisas se enfocó en verificar la correcta ubicación horizontal de la vía, asegurando que los ejes definidos en el diseño geométrico vial fueron trasladados adecuadamente al terreno. A partir de las coordenadas UTM del proyecto, se validó que el alineamiento horizontal, incluyendo curvas, intersecciones y elementos adicionales, se ajustará a las directrices de diseño sin necesidad de replanteos nuevos. Este proceso incluyó la verificación de radios, desarrollos y longitudes de tangentes, y se mantuvo un control periódico para asegurar que el diseño geométrico permaneciera conforme en todas las fases de la obra.

Validación y Verificación de Datos

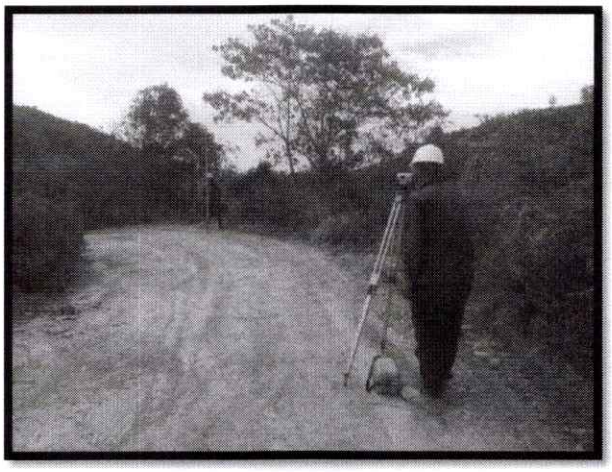
La comisión topográfica se enfocó exclusivamente en la verificación técnica de los datos de campo frente a los valores de diseño. A través de herramientas de procesamiento topográfico, se validó que los puntos de control, tanto de cotas como de abscisas, reflejaran con precisión lo proyectado en los planos, minimizando cualquier posible desviación. Este enfoque permitió garantizar que los alineamientos y niveles definidos en el diseño se plasmaran de manera precisa en la obra, sin ejecutar ajustes físicos en el terreno y asegurando la fidelidad con las especificaciones técnicas del proyecto.

OBSERVACIONES:

- El levantamiento topográfico se realizó en el área de proyecto: VIA TERCIARIA EN LA VEREDA ARGENTINA SUR, CORREGIMIENTO DE LA VICTORIA DE SAN ISIDRO, MUNICIPIO DE LA JAGUA DE IBIRICO, CESAR.
- Se realizó la implantación del Abscisado y cotas del diseño geométrico del proyecto en los tramos intervenidos (Curvas y sobreanchos).
- Se llevó a cabo el control eficiente de cotas y abscisas para asegura la correcta implantación del diseño, reduciendo al mínimo los errores y garantizando que la obra final cumpla con los parámetros geométricos y funcionales establecidos en el proyecto (verificación de altura de las placas).
- En el presente periodo se llevó a cabo verificación los volúmenes de corte y relleno generados, las cuales se observan en el cuadro de volúmenes.

ALEXANDER MANJARREZ CAMPO
C.C 77.170.737
TP. 01-11593 Del C.P.N.T

REGISTRO FOTOGRAFICO

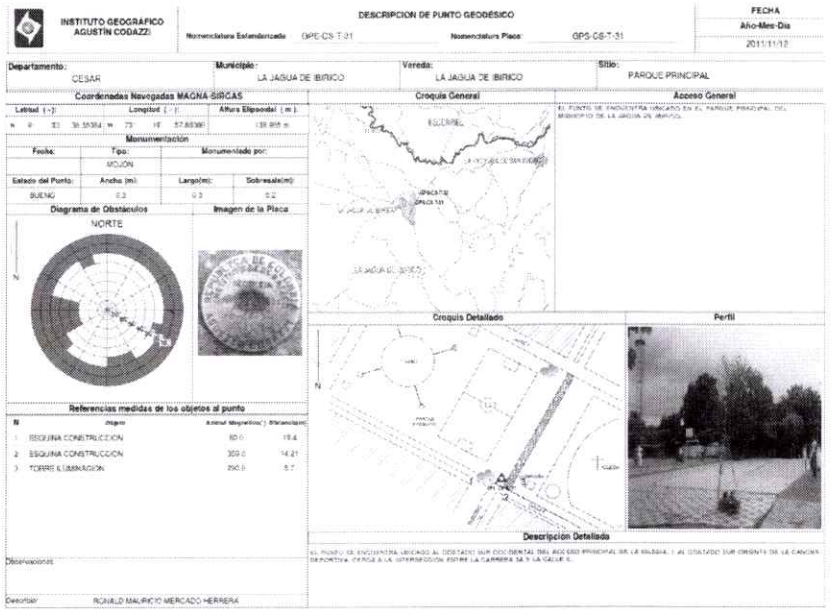




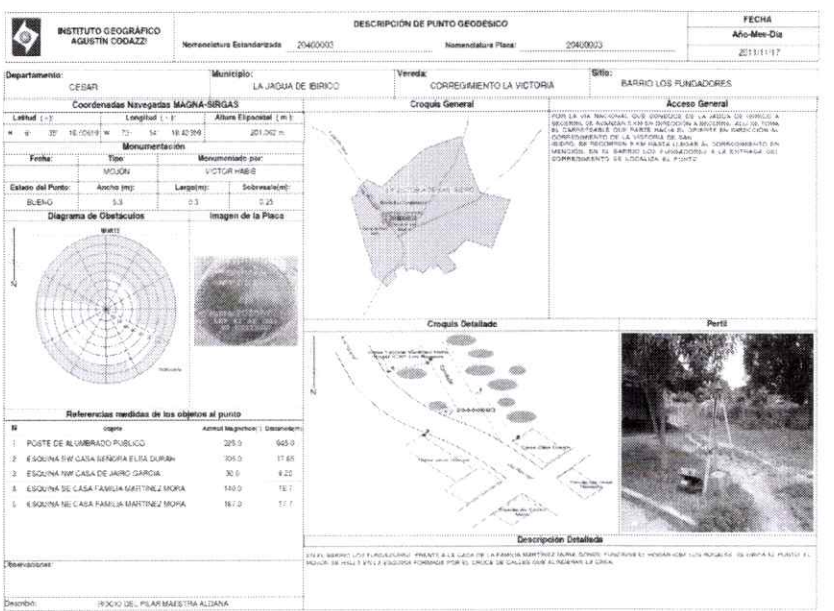


Anexo N° 1. Información del punto de referencia.

Anexos GPS-CS-T-31_PLAZA PRINCIPAL



Anexo: PUNTO IGAC_20400003 VICTORIA



Anexo N° 2. Certificado de calibración de Equipos.

Alarcóntop S.A.S.
NIT: 900392938-9
Topografía e Ingeniería

CERTIFICADO DE VERIFICACIÓN **No N022025-001**

FECHA DE EXPEDICIÓN	FECHA DE VENCIMIENTO	PROXIMA VERIFICACIÓN
2 FEBRERO DEL 2025	2 AGOSTO DEL 2025	2 AGOSTO DEL 2025

CLIENTE	JP INGENIERIA Y CONSTRUCCIONES SAS	**INSTRUMENTOS**	NIVEL AUTOMATICO
CC/NIT	900738353-8	**MARCA/MODELO**	TOPCON/AT-B6
TÉLEFONO	3.003.511.406	**SERIAL**	MZ6528
DIRECCIÓN	CALLE 8 No. 14-17 VALLEDUPAR	**EMAIL**	pinedofuentesjulio@gmail.com

PRECISIÓN ANGULAR	1"	**AUMENTOS**	24X
RESOLUCIÓN EN PANTALLA	30mm	**EXACTITUD**	2.00mm
DISTANCIA	70m	**RANGO COMPENSADOR**	+-15'

INSPECCIÓN OPTOMÉCANICA	CORRECCIÓN	AJUSTE	ENGRASES	REPARACIÓN	REPUESTOS	LIMPIEZA	FUNC. ACEPTABLE
1.1 BASE NIVELANTE		X					
1.2 BURBUJA OJO DE POLLO		X					
1.3 TORNILLO DE MOVIMIENTO LENTO							X
1.4 ÓPTICA GENERAL (LENTES Y OCULARES)							X
1.5 LIMPIEZA EXTERIOR Y GENERAL							X

INSPECCIÓN SISTEMA DE MEDIDA ANGULAR COLIMADOR MARCA OCS-3 PRECISIÓN 0,001"	CORRECCIÓN	AJUSTE	ENGRASES	REPARACIÓN	REPUESTOS	LIMPIEZA	FUNC. ACEPTABLE
2.1 COMPENSADOR AUTOMÁTICO		X					
2.2 AJUSTE CON COLIMADOR		X					X

CI ALARCONTOP S.A.S, certifica que el instrumento se encuentra en óptimas condiciones de funcionamiento y se recomienda que el operador realice los chequeos de campo rutinarios: Estos procedimientos cumplen con estándares internacionales de calidad ISO 9001.

ANGEL RODRIGUEZ
TEC. PROFESIONAL EN ELECTRONICA

LUIS R. ALARCON P.
C.C. 77'153.216 de Codazzi Cesar.

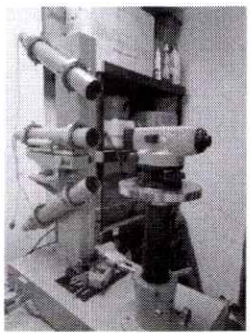
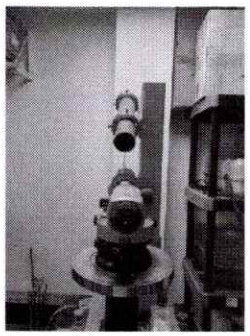
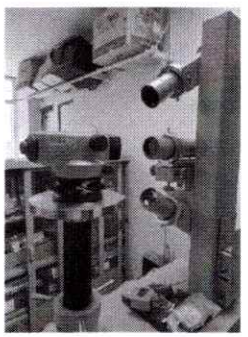
Anexo N° 2. Certificado de calibración de Equipos.

Alarcóntop S.A.S.
NIT: 900392938-9
Topografía e Ingeniería

JEFE DE LABORATORIO **REPRESENTANTE LEGAL**

CERTIFICADO DE VERIFICACIÓN **No N022025-001**

REGISTRO FOTOGRAFICO

Alarcóntop S.A.S.
NIT: 900392936-9
Topografía e Ingeniería

CUIDADOS A TENER CON SU EQUIPO TOPOGRAFICO

1. Transportar su equipo siempre en su maleta, nunca montado en el trípode.

2. Cuando valla a nivelar el equipo, nivele el nivel circular primero con el trípode; después afine con los tornillos de nivelación.

3. No permita que nadie utilice la maleta del equipo como silla, no se siente sobre ella.

4. No apretar demasiado el tornillo del trípode que sujeta al equipo, puede dañar la rosca de la base del equipo.

5. No apretar demasiado los tornillos del trípode, simplemente dele el ajuste necesario.

6. No permita que personas no calificadas ajenas al topógrafo se acerquen y manipulen los equipos.

7. Recuerde que del buen estado del equipo también depende un buen resultado del trabajo.

Anexo N° 3. Tarjeta profesional topógrafo.



Anexo N° 4. Cedula de Ciudadanía



