LEVANTAMIENTO TOPOGRÁFICO

CENTRO DE CONOCIMIENTO, INNOVACIÓN Y CULTURA NEOMUNDO

MUNICIPIO DE BUCARAMANGA

SANTANDER

CONSORCIO CONSULTORES NEOMUNDO 2013

TOP. JAVIER URIBE GARCIA
LIC. 000941 CPNT

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INTRODUCCIÓN

La Topografía es una disciplina cuya aplicación está presente en la mayoría de las actividades humanas que requieren tener conocimiento de la superficie del terreno como la realización de obras civiles, obras de urbanismos, catastro, levantamientos para el estudio de inundaciones y en muchos otros campos, en donde la topografía constituye un elemento indispensable.

Actualmente el método más utilizado para la toma de datos se basa en el empleo de una estación total, con la cual se pueden medir ángulos horizontales, ángulos verticales y distancias.

El presente informe corresponde al levantamiento topográfico para el estudio del área del predio del Centro de Conocimiento, Innovación y Cultura Neomundo. El trabajo se realizó en el área construida y en la parte que tiene de los taludes, realizando el amarre al sistema GPS del Área Metropolita de Bucaramanga CDMB-IGAC y trazando una poligonal cerrada, con unos puntos auxiliares, para después llevar a cabo las armadas donde se tomaran los detalles por medio de radiaciones.

OBJETIVOS

- Realizar el levantamiento altimétrico y planimétrico del predio con todos los detalles radiados.

- Generar toda la información del terreno, por medio de nube de puntos, detallando las diferentes zonas del proyecto y los cambios de pendiente.

- Georeferenciar puntos estratégicos en el área de influencia del levantamiento con mojones amarrados al sistema de coordenadas de los puntos de control existentes que pertenecen a la Red Geodésica del Área Metropolitana de Bucaramanga CDMB-IGAC.

- Realizar un registro fotográfico del levantamiento topográfico de la zona.

METODOLOGÍA

ACTIVIDADES DESARROLLADAS

La topografía desempeña un papel muy importante en las ramas de la ingeniería. El levantamiento topográfico es indispensable para planear, diseñar y construir redes de servicios públicos y obras de urbanismo como edificaciones, vías, andenes, parques y otras que son realizadas por los ingenieros y arquitectos.

El levantamiento planimétrico y altimétrico de la zona de estudio se ha realizado en un rea próxima de 26857m2 que comprende por el oriente a la vía que comunica al barrio Guayacanes con el intercambiador, por el sur con el intercambiador, por el occidente con el intercambiador y la vía del viaducto de La Flora y por el norte con el barrio los Caneyes y propiedad privada.

Este levantamiento topográfico se amarró a las coordenadas del sistema de la Red Geodésica del Área metropolitana de Bucaramanga-CDMB-IGAC y los niveles a los cambios existentes de la construcción del Intercambiador de Neomundo, para esto se realizó un poligonal de amarre que tuvo como puntos de inicio los puntos GPS-D-ST-017, GPS -ST-001. Ubicados estos puntos se realizó una poligonal cerrada y puntos auxiliares los cuales nos servirán para ir localizando vías, paramentos, cajas, pozos, postes, árboles, andenes cercas, hidrantes, sumideros, válvulas de servicios públicos, separadores, etc.

La poligonal se inició armados en GPS-ST-001 localizado en el sitio La Puerta del Sol, tomando línea al GPS-D-ST-017 localizado en la los alrededores del Aeropuerto Palonegro y se colocó el D10 sobre el andén de la oreja del intercambiador que viene de Girón entrando a Bucaramanga, con el equipo armado en D10 se tomó

Línea en el D400 que pertenece a la poligonal del levantamiento y armados en D400 se leyó el ángulo y la distancia al D1 de esta misma poligonal para de esta dar por terminado el amarre.

Posteriormente se dio inicio a una poligonal cerrada armando en el D1 y tomamos línea en el D400 y así se realizaron las primera radiaciones de los paramentos, vías, andenes, jardineras, postes, pozos, válvulas de acueducto y demás detalles para la elaboración del plano; se continuo colocando los deltas restantes de la poligonal con sus punto auxiliares y se tomaron los detalles como en la primera armada y también se fue realizando una nube de puntos en la zona que no está construida para generar curvas de nivel cada 0.50 ms, en el recorrido se detalló la cerca que limita el área del predio.

En resumen la base de datos topográficos tomados con la estación y almacenados en la cartera electrónica fue de 1475 puntos, incluyendo coordenadas y elevaciones, a lo largo y ancho de predio. Finalmente este trabajo de campo fue procesado y ajustado en oficina con el fin de ser plasmado el plano el cual lo elaboro el personal de dibujo.

EQUIPO UTILIZADO

El levantamiento topográfico se realizó teniendo como base el siguiente equipo:
Estación total Topcon 245NW

Es un equipo electro-óptico utilizado en topografía, cuyo funcionamiento se apoya en la tecnología electrónica que consiste en la incorporación de un distanciómetro y un microprocesador a un teodolito electrónico. Tiene la posibilidad de guardar información en formato electrónico, lo cual permite utilizarla posteriormente en ordenadores personales. Vienen provistas de diversos programas sencillos que permiten, entre otras capacidades, el cálculo de coordenadas en campo, replanteo de puntos de manera sencilla y eficaz y cálculo de azimuts y distancias. La figura 2 muestra la estación total utilizada en el levantamiento

Estación Total Topcon GTS 245NW

DATOS DE LOS GPS UTILIZADOS PARA EL AMARRE

cdmb	Coordenadas planas cartesianas con origen vértice S-T (A) 144 Norte: 74632.924 m Latitud 7º 04'53",836 Este: 97239.765 m Longitud 73º 12'02",864			
	Plano de Proyección 931.00m			INSTITUTO GEPGRAFICO AGUSTIN CODAZZI SEDE CENTRAL DEPARTAMENTO ADMINISTRATIVO NACIONAL DE ESTADISTICA
PUNTOS	COORDENADAS		ALTURA	DESCRIPCION
	NORTE	ESTE		
GPS-ST-001	1.277.716.724	1.106.439.291	955.199	Puerta del sol
GPS-ST-002	1.273.148.149	1.100.949.862	701.328	girón transiges
GPS-ST-003	1.275.403.706	1.107.111.845	911.435	trinitarios Provenza
GPS-ST-004	1.266.151.913	1.104.367.946	1092.180	Acapulco
GPS-ST-005	1.265.492.233	1.113.586.970	1029.475	Barrio San francisco Piedecuesta
GPS-D-ST-011	1.282.002.038	1.103.723.776	880.319	Curva del Diablo
GPS-D-ST-012	1.279.607.761	1.108.535.191	1298.322	Motel los Pirineos Vía Cúcuta
GPS-D-ST-013	1.282.264.498	1.107.288.544	1132.545	Toma de acueducto la Flora
GPS-D-ST-014	1.284.111.952	1.104.231.292	756.811	Bavaria
GPS-D-ST-015	1.285.565.189	1.103.866.345	820.712	Los Colorados
GPS-D-ST-016	1.276.332.149	1.109.117.981	1022.180	Barrio la Trinidad entrada por San Bernardo
GPS-D-ST-017	1.278.841.121	1.099.201.759	1169.311	Aeropuerto Palonegro
GPS-D-ST-018	1.278.962.266	1.102.837.133	900.276	Barrio la Feria
GPS-D-ST-019	1.279.075.431	1.105.861.922	993.672	CDMB
GPS-D-ST-020	1.279.437.311	1.095.198.200	1087.673	Al Norte del municipio de Lebrija
GPS-D-ST-021	1.276.891.795	1.103.270.767	886.187	Calle 45 Tres Estrellas
GPS-D-ST-022	1.272.010.445	1.109.792.458	974.933	La Virgen a la salida de Florida hacia Piedecuesta
GPS-D-ST-023	1.281.166.460	1.102.178.420	649.393	Forjas
GPS-D-ST-024	1.273.578.608	1.110.437.253	1025.291	Tanque del acueducto en el barrio caracolí Floridablanca
GPS-D-ST-025	1.274.339.389	1.097.339.485	1400.313	Vereda la puenta Quebrada la Angula Lebrija
GPS-D-ST-026	1.275.178.895	1.102.687.474	744.198	Autopista a Girón
GPS-D-ST-027	1.276.135.814	1.104.942.923	846.401	Barrio Bucaramanga
GPS-D-ST-028	1.273.858.276	1.108.986.085	994.113	La Cumbre Bellavista
GPS-D-ST-029	1.277.470.304	1.100.904.932	668.644	Centro abastos
GPS-D-ST-030	1.274.933.728	1.104.079.902	884.192	Barrio el porvenir
GPS-D-ST-031	1.274.836.928	1.108.413.362	1009.845	La Cumbre
GPS-D-ST-032	1.278.090.942	1.095.117.514	1050.810	Al sur del municipio de Lebrija
GPS-D-ST-033	1.267.648.428	1.110.685.045	1355.985	Pico del Águila Ruitoque Golf country club
GPS-D-ST-034	1.270.402.442	1.112.910.386	1389.023	Vereda mensuli
GPS-D-ST-035	1.269.896.718	1.111.092.116	964.805	entrada Ruitoque Golf country club pomarroso
GPS-D-ST-036	1.265.619.147	1.108.149.194	1353.830	Mesa de Ruitoque
GPS-D-ST-037	1.266.064.900	1.100.300.010	841.450	Vereda Ruitoque Chocoita
GPS-D-ST-038	1.267.289.484	1.113.871.271	1249.151	ICP
GPS-D-ST-039	1.271.012.176	1.098.535.699	1147.235	Vereda alto la aldea
GPS-D-ST-040	1.264.088.126	1.112.470.450	1116.792	Cerro la cantera Piedecuesta
GPS-D-ST-041	1.261.014.455	1.116.744.183	1192.433	Hacienda el Bore cerda de cooprofesores
GPS-D-ST-042	1.262.115.107	1.100.970.825	848.290	Chocoita
GPS-D-ST-043	1.270.934.522	1.105.925.323	890.462	Sport Country club
GPS-D-ST-044	1.256.968.495	1.115.196.506	1681.653	La punta Mesa de los Santos
GPS-D-ST-045	1.256.907.164	1.117.170.434	1444.144	Mirador Piedecuesta vía a la mesa de los Santos

DEPARTAMENTO ADMINISTRATIVO NACIONAL DE ESTADISTICA - DANE
INSTITUTO GEOGRÁFICO AGUSTÍN CODAZZI
SUBDIRECCIÓN DE CARTOGRAFÍA

DESCRIPCIÓN DE PUNTO MATERIALIZADO DE CONTROL HORIZONTAL

FECHA: Año 2001 | Mes Dic. | Día 15 — PÁGINA — DE

DEPARTAMENTO: SANTANDER | MUNICIPIO: BUCARAMANGA | VEREDA O BARRIO: PUERTA DEL SOL | FINCA O DIRECCION: Zona verde intercambio vial

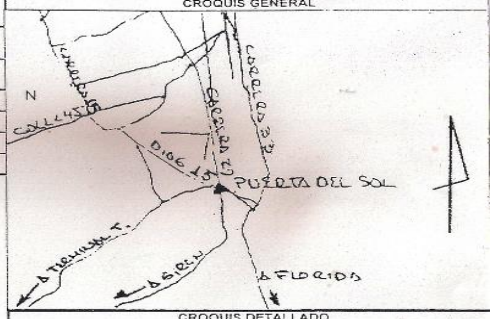
NOMBRE DEL PUNTO (Estampado en placa): GPS-ST-001 | NOMENCLATURA ESTANDARIZADA

DISTANCIAS Y DIRECCIONES A LA SEÑAL DE AZIMUT Y OBJETOS SOBRESALIENTES QUE PUEDEN OBSERVARSE DESDE EL VÉRTICE

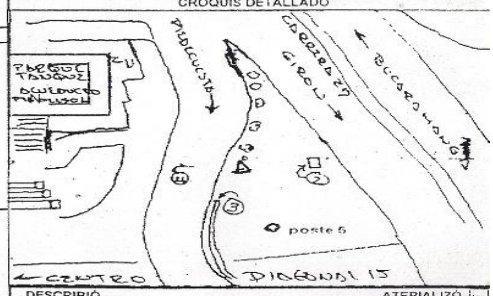
	OBJETO	MAGNÉTICO	DISTANCIA EN METROS	DIRECCIONES
1	Vertice inicio separador	0°	56.40	
2	pilastra con nombre del sitio (Centro)	89°	10.29	
3	Baranda para peatones	216°	5.31	
4	Eje via en sitio mas cercano al punto	283°	7.05	

ACCESO (Croquis general)
En Bucaramanga en el intercambiador vial de la Puerta del Sol, Carrera 27 con diagonal 15, en zona verde central se encuentra el punto. Referencia n° 5 Poste de concreto 175°, dist 13.5 mts.

CROQUIS GENERAL



CROQUIS DETALLADO



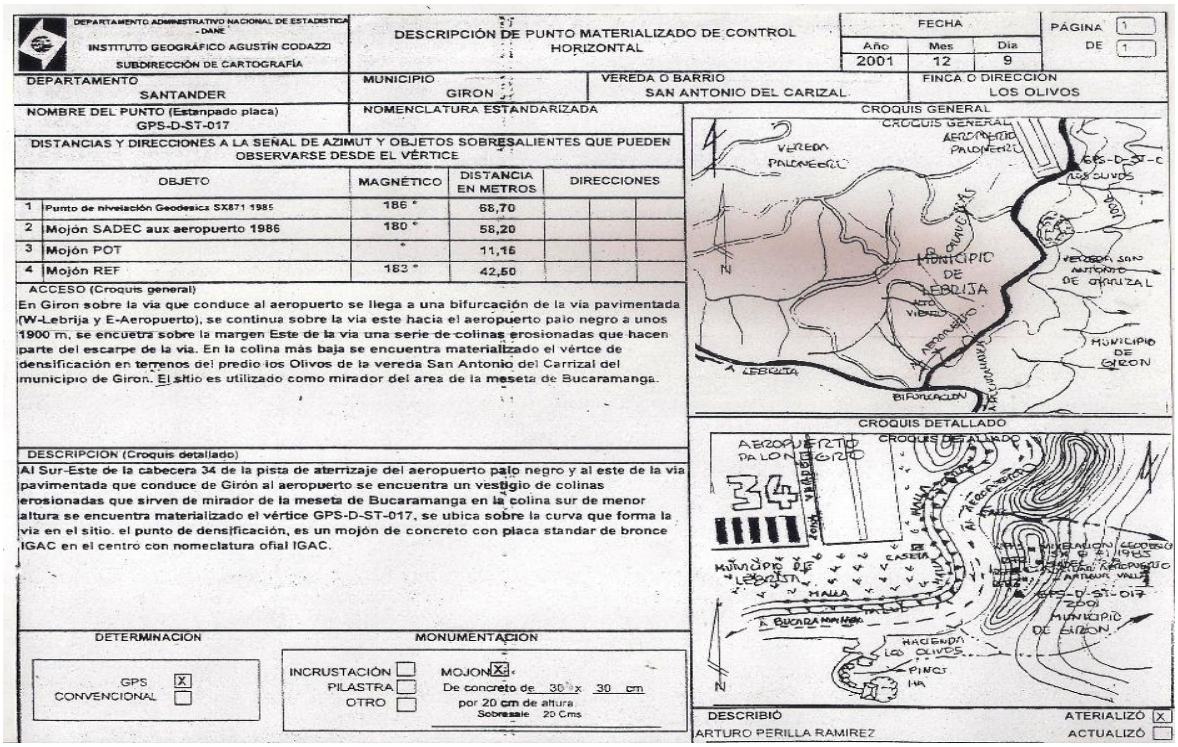
DESCRIPCIÓN (Croquis detallado)
En el intercambiador vial de la puerta del sol en la zona verde central, via Bucaramanga-Piedecuesta y Girón-Bucaramanga; en el inicio del vaiducto (Norte-Este) esta el punto. Se monumento con un Mojon de concreto, con una varilla de acero como marca central y placa del I.G.A.C. como identificador.

DETERMINACIÓN: GPS [X] CONVENCIONAL [ ]

MONUMENTACIÓN: INCRUSTACIÓN [ ] MOJON [X] PILASTRA [ ] De concreto de 40 x 40 cm OTRO [ ] de lado. Sobresale 18 cm. Prof. 1.10 mt

DESCRIBIÓ: Oscar A. Suarez — ATERIALIZÓ [x] ACTUALIZÓ [ ]

LOCALIZACIÓN GPS-ST-001
PUERTA DEL SOL



DEPARTAMENTO ADMINISTRATIVO NACIONAL DE ESTADISTICA - DANE
INSTITUTO GEOGRÁFICO AGUSTÍN CODAZZI
SUBDIRECCIÓN DE CARTOGRAFÍA

DESCRIPCIÓN DE PUNTO MATERIALIZADO DE CONTROL HORIZONTAL

FECHA: Año 2001 | Mes 12 | Día 9 — PÁGINA 1 DE 1

DEPARTAMENTO: SANTANDER | MUNICIPIO: GIRON | VEREDA O BARRIO: SAN ANTONIO DEL CARIZAL | FINCA O DIRECCIÓN: LOS OLIVOS

NOMBRE DEL PUNTO (Estampado placa): GPS-D-ST-017 | NOMENCLATURA ESTANDARIZADA

DISTANCIAS Y DIRECCIONES A LA SEÑAL DE AZIMUT Y OBJETOS SOBRESALIENTES QUE PUEDEN OBSERVARSE DESDE EL VÉRTICE

	OBJETO	MAGNÉTICO	DISTANCIA EN METROS	DIRECCIONES
1	Punto de nivelación Geodesica SX871 1985	186 °	68,70	
2	Mojón SADEC aux aeropuerto 1986	180 °	58,20	
3	Mojón POT	°	11,15	
4	Mojón REF	183 °	42,50	

ACCESO (Croquis general)
En Giron sobre la via que conduce al aeropuerto se llega a una bifurcación de la via pavimentada (W-Lebrija y E-Aeropuerto), se continua sobre la via este hacia el aeropuerto palo negro a unos 1900 m, se encuetra sobre la margen Este de la via una serie de colinas erosionadas que hacen parte del escarpe de la via. En la colina más baja se encuentra materializado el vértce de densificación en terrenos del predio los Olivos de la vereda San Antonio del Carrizal del municipio de Giron. El sitio es utilizado como mirador del area de la meseta de Bucaramanga.

DESCRIPCION (Croquis detallado)
Al Sur-Este de la cabecera 34 de la pista de aterrizaje del aeropuerto palo negro y al este de la via pavimentada que conduce de Girón al aeropuerto se encuentra un vestigio de colinas erosionadas que sirven de mirador de la meseta de Bucaramanga en la colina sur de menor altura se encuentra materializado el vértice GPS-D-ST-017, se ubica sobre la curva que forma la via en el sitio. el punto de densificación, es un mojón de concreto con placa standar de bronce IGAC en el centro con nomeclatura ofial IGAC.

CROQUIS GENERAL

CROQUIS DETALLADO

DETERMINACION: GPS [X] CONVENCIONAL [ ]

MONUMENTACION: INCRUSTACIÓN [ ] PILASTRA [ ] OTRO [ ] — MOJON [X] De concreto de 30 cm x 30 cm por 20 cm de altura. Sobresale 20 Cms

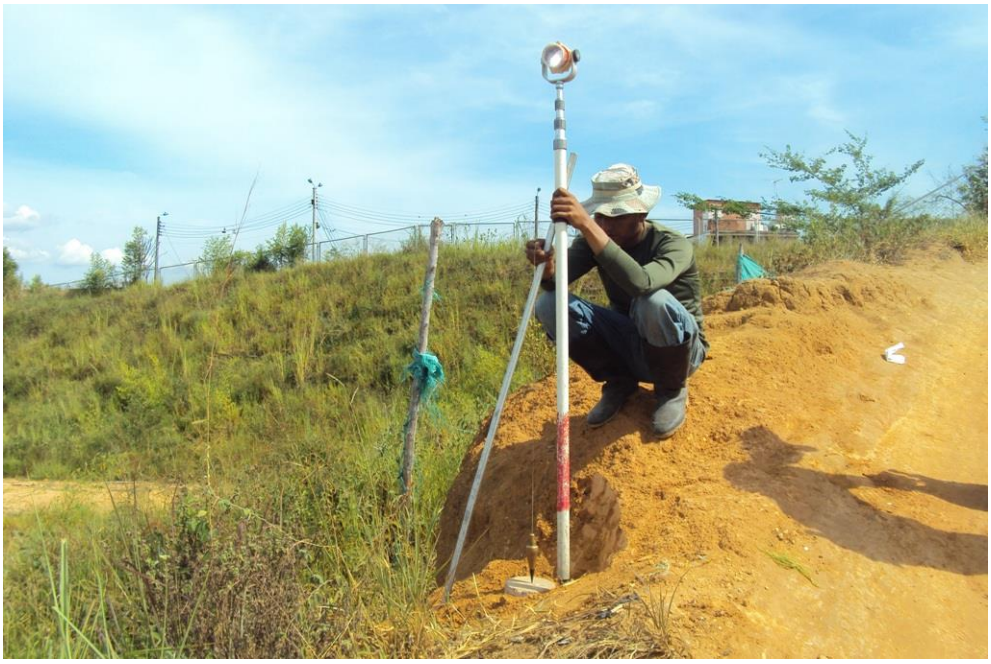
DESCRIBIÓ: ARTURO PERILLA RAMIREZ — ATERIALIZÓ [X] ACTUALIZÓ [ ]

LOCALIZACIÓN GPS-D-ST-017
AEROPUERTO PALONEGRO

MOJENES

COLOCADOS EN EL PREDIO DEL LEVANTAMIENTO

MOJÓN 1



MOJÓN 2

MOJÓN 3

ARCHIVO FOTOGRÁFICO

DEL SECTOR LEVANTADO


ENTRADA

CERTIFICADOS DE CALIBRACIÓN DE LA ESTACIÓN

Instrumentos de Ingeniería

GERMAN GOMEZ PINTO

NIT: 88.209.931-1 Régimen Común.

Santander Bucaramanga 23 de abril del 2013

INSTRUMENTOS DE INGENIERIA
German Gómez Pinto
NIT: 88.209.931-1 R. COMÚN

Señor (es)
JAVIER ARDILA
CC: 5.669.526
Ciudad

CERTIFICACIÓN DE PATRONAMIENTO Y CALIBRACIÓN No. GG 0828

***Descripción del instrumento** (Equipo, Marca, Referencia, Número serial, Precisión):*

*ESTACIÓN TOTAL Marca **TOPCON** REFERENCIA GTS-245NW serial # V10553*
**** Precisión angular 5"seg.***

1. Inspección Óptico mecánico:

1.1 Lentes frontales del telescopio	** Buen estado.*
1.2 Lentes del ocular de lecturas	** Buen estado.*
1.3 Retículo de lectura	** Alineado y centrado.*
1.4 Lentes y sistema de plomada óptica	** Buen estado y centrado.*
1.5 Círculos Horizontal y Vertical	** Buen estado.*
1.6 Perpendicularidad de ejes	** Estable.*
1.7 Sistema completo de enfoque	** Buen funcionamento.*
1.8 Frenos y movimientos lentos	** Estables.*
1.9 Niveles tubulares y ojo de pollo	** Centrados y corregidos.*

1.10 Colimación de ángulos V y H:

**Lectura Vertical: 90°00"00´ opuesto 270°00"10´*
Error promedio 10" seg.
Calibrado : 90° 00" 00´ opuesto 270°00"00´

**Lectura Horizontal : 0° 00" 00´ opuesto 180° 00"00*
Error promedio 00´seg.
Calibrado : 0° 00" 00´ opuesto 180° 00"00´

Cúcuta: Avenida 2 # 1-40 Apt. 702 Barrio Lleras Restrepo Tel: 5750542 Cel: 314-2961893
Bucaramanga: Calle 104 # 22-105 provenza Tel: 6942821 Cel: 315-8302271
Medellín: Cra 51 # 53-24 Oficina 404 Edificio Los Catios Cel: 314-2955372
Venezuela: Calle 7 entre 10 y 9 Barrio la Concordia Cel: 0416-7745986 San Cristobal.
WWW.INSTRUMENTOSGGP.COM

Instrumentos de Ingeniería
GERMAN GOMEZ PINTO
NIT: 88.209.931-1 Régimen Común.

2 *Inspección del Sistema Electrónico y EDM :*
(Distanció metro, línea base 85 m y 375 m)

2.1 Compensadores de nivelación	* Calibrados.
2.2 Haz de medida	* Alineado.
2.3 Control de distancias	* Medidas controladas y estables.
2.4 Display, teclados y visualización	* Buen estado de funcionamento.
2.5 Puerto de salida datos RS 232	* Buen funcionamiento-.
2.6 Trasferencia de datos	* Buen funcionamiento-.
2.7 Baterías y cargador	* Baterías - normal rendimiento. Cargador – Buen funcionamiento.
2.8 Constantes del instrumento (PSM / T / PPM)	* Estables.
2.9 Censores de lectura en los círculos	* Funcionamiento estable.

INSTRUMENTOS DE INGENIERIA GERMAN GOMEZ PINTO con nit.88.209.931-1, *CERTIFICA que el instrumento descrito anteriormente, fue revisado, calibrado y sometido a pruebas técnicas bajo parámetros y características de funcionamiento de los fabricantes; con autorización de la Superintendencia de Industria y Comercio.*

Nota: Los equipos son recibidos para su Revisión, Calibración y Certificación, posteriormente chequeados y corregidos bajo un patrón llamado Colimador marca Wild, este instrumento nos determina una distancia infinita; posteriormente es revisado en una pista con unas reglas y distancias predeterminadas las cuales nos determinan el error promedio, corregido este error, el instrumento es chequeado nuevamente, tanto en el colimador como en la pista, para verificar la veracidad en la corrección y calibración realizada.

Expedida a solicitud del interesado a los veintitrés (23) días del mes de abril del año Dos Mil tres (2.013), y tiene una vigencia de seis (06) meses a partir de la fecha.

Favor exigir este documento en original y llamar a nuestros teléfonos para confirmar la autenticidad del mismo.

Cordialmente,

INSTRUMENTOS DE INGENIERIA
German Gomez Pinto
NIT: 88.209.931-1 R. COMÚN
Técnico en mantenimiento

INSTRUMENTOS DE INGENIERIA
Germán Gomez Pinto
NIT: 88.209.931-1 R. COMÚN

Cúcuta: Avenida 2 # 1-40 Apt. 702 Barrio Lleras Restrepo Tel: 5750542 Cel: 314-2961893
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DATOS PROCESADOS DE LA CARTERA ELECTRÓNICA

CARTERA DE CAMPO Y CÁLCULOS

DATOS PROCESADOS DE LA CARTERA ELECTRONICA

PROYECTO: NEOMUNDO

MUNICIPIO: Bucaramanga | CALCULO: J.U.G | DEPARTAMENTO: Santander | FECHA: Julio-2013

D	Det	ANGULO HZ.			DIST	D.N.	H.A.	H.P.	COORDENADAS		COTA	DETALLE
		Gra	Min	Seg					N	E		
	171717				7324.352				1278841.121	1099201.759	1169.311	GPS-D-ST-017
101010									1277716.724	1106439.291	955.199	GPS-ST-001
	D10	226	53	34	83.395	1.659	1.313	1.672	1277647.812	1106486.258	956.405	D10
D10												
	400	159	36	56.59	915.193	1.958	1.596	1.672	1277118.451	1107232.820	958.287	D400
D400												
	1	148	8	41	59.623				1277114.827	1107292.333	958.257	D1
	D2				59.961	-1.004			1277140.659	1107346.428	955.658	D2
D1									1277114.825	1107292.323	956.804	D1
	D400	209	0	27	59.623	1.604	1.572	1.693	1277118.449	1107232.810	958.287	D400
	D400								1277118.449	1107232.810	958.287	D400
D1					59.625	1.607			1277114.825	1107292.323	956.804	D1
	482	99	19	45	41.046	-1.050	1.572	1.693	1277154.849	1107301.426	955.633	PAR
	483	96	17	11	40.990	-1.048	1.572	1.693	1277155.221	1107299.279	955.635	PAR
	484	70	29	40	27.149	-0.741	1.572	1.693	1277140.920	1107284.830	955.942	PAR
	485	71	40	46	35.140	-0.650	1.572	1.693	1277148.794	1107283.325	956.033	PAR
	486	73	19	32	61.916	-0.996	1.572	1.693	1277175.108	1107278.195	955.687	PAR
	487	73	39	49	72.037	-1.024	1.572	1.693	1277185.058	1107276.299	955.659	PAR
	488	86	28	16	73.343	-0.783	1.572	1.693	1277188.168	1107292.266	955.900	PAR
	489	87	13	36	68.555	-0.993	1.572	1.693	1277183.375	1107293.174	955.690	PAR
	490	90	25	50	53.991	-1.044	1.572	1.693	1277168.690	1107296.009	955.639	PAR
	491	95	25	24	40.777	-1.070	1.572	1.693	1277155.111	1107298.637	955.613	PAR
	492	98	9	5	43.120	-1.005	1.572	1.693	1277157.059	1107301.020	955.678	PAR
	493	97	55	59	43.520	-1.014	1.572	1.693	1277157.484	1107300.938	955.669	PAR
	494	97	23	41	48.116	-1.030	1.572	1.693	1277162.077	1107301.404	955.653	PAR
	495	90	57	51	52.141	-1.022	1.572	1.693	1277166.809	1107296.367	955.661	PAR
	496	91	39	27	52.321	-1.026	1.572	1.693	1277166.936	1107297.012	955.657	PAR
	497	86	53	26	63.157	-1.015	1.572	1.693	1277177.981	1107292.736	955.668	JARD
	498	81	37	26	62.255	-1.035	1.572	1.693	1277176.854	1107287.014	955.648	JARD
	499	87	39	55	45.812	-1.020	1.572	1.693	1277160.628	1107293.242	955.663	JARD
	500	90	53	21	46.924	-1.035	1.572	1.693	1277161.613	1107295.901	955.648	JARD
	501	76	58	43	61.898	-1.036	1.572	1.693	1277175.868	1107282.067	955.647	JARD
	502	77	33	45	44.852	-1.040	1.572	1.693	1277159.131	1107285.343	955.643	JARD
	503	82	32	47	26.075	-1.030	1.572	1.693	1277140.838	1107290.518	955.653	JARD
	504	79	43	26	12.870	-0.084	1.572	1.693	1277127.605	1107290.801	956.599	JARD
	505	66	42	37	12.890	0.031	1.572	1.693	1277126.953	1107287.956	956.714	JARD
	506	66	17	10	12.469	0.029	1.572	1.693	1277126.525	1107288.012	956.712	MURO
	507	33	53	10	17.126	0.231	1.572	1.693	1277125.220	1107278.713	956.914	MURO
	508	17	33	55	25.010	0.585	1.572	1.693	1277123.808	1107268.982	957.268	MURO
	509	9	22	14	33.968	0.945	1.572	1.693	1277122.382	1107259.207	957.628	MURO
	510	5	15	44	41.869	1.376	1.572	1.693	1277121.192	1107250.941	958.059	MURO
	511	34	24	57	13.338	0.087	1.572	1.693	1277123.019	1107281.798	956.770	OV
	512	11	47	54	8.808	0.193	1.572	1.693	1277117.147	1107283.827	956.876	OV
	513	14	14	38	22.113	0.469	1.572	1.693	1277121.559	1107271.260	957.152	OV
	514	358	53	28	19.711	0.571	1.572	1.693	1277115.642	1107272.629	957.254	OV
	515	6	20	3	31.499	0.827	1.572	1.693	1277120.197	1107261.286	957.510	OV
	516	355	27	25	29.640	0.892	1.572	1.693	1277114.277	1107262.688	957.575	OV
	517	2	1	32	41.456	1.131	1.572	1.693	1277118.806	1107251.059	957.814	OV
	518	353	45	10	39.741	1.239	1.572	1.693	1277112.909	1107252.628	957.922	OV
	519	359	27	8	51.239	1.258	1.572	1.693	1277117.450	1107241.152	957.941	OV
	520	352	45	19	49.661	1.326	1.572	1.693	1277111.568	1107242.769	958.009	OV
	521	357	59	36	59.318	1.367	1.572	1.693	1277116.355	1107233.025	958.050	OV
	522	352	4	47	59.026	1.297	1.572	1.693	1277110.260	1107233.474	957.980	OV
	523	356	36	3	69.577	1.475	1.572	1.693	1277114.928	1107222.746	958.158	OV
	524	351	37	1	68.973	1.486	1.572	1.693	1277108.935	1107223.602	958.169	OV
	525	351	11	36	75.013	1.535	1.572	1.693	1277107.867	1107217.634	958.218	OV
	526	358	40	15	56.653	1.756	1.572	1.693	1277116.955	1107235.710	958.439	BOLAS
	527	358	15	2	59.133	1.790	1.572	1.693	1277116.615	1107233.217	958.473	BOLAS
	528	351	47	12	59.585	1.788	1.572	1.693	1277109.913	1107232.941	958.471	BOLAS
	529	351	55	5	57.073	1.768	1.572	1.693	1277110.250	1107235.434	958.451	BOLAS
	530	352	6	57	54.508	1.734	1.572	1.693	1277110.643	1107237.976	958.417	BOLAS

	531	352	14	50	52.053	1.721	1.572	1.693	1277110.951	1107240.415	958.404	BOLAS
	532	353	22	13	39.597	1.625	1.572	1.693	1277112.652	1107252.786	958.308	BOLAS
	533	353	39	46	37.111	1.568	1.572	1.693	1277112.978	1107255.258	958.251	BOLAS
	534	354	2	38	34.615	1.475	1.572	1.693	1277113.332	1107257.740	958.158	BOLAS
	535	354	26	23	32.177	1.400	1.572	1.693	1277113.660	1107260.167	958.083	BOLAS
	536	354	53	48	29.674	1.304	1.572	1.693	1277113.987	1107262.661	957.987	BOLAS
	537	355	26	41	27.186	1.222	1.572	1.693	1277114.317	1107265.142	957.905	BOLAS
	538	356	9	32	24.716	1.149	1.572	1.693	1277114.671	1107267.608	957.832	BOLAS
	539	356	55	41	22.271	1.048	1.572	1.693	1277114.985	1107270.053	957.731	BOLAS
	540	358	2	50	19.834	0.975	1.572	1.693	1277115.355	1107272.496	957.658	BOLAS
	541	359	20	49	17.295	0.885	1.572	1.693	1277115.679	1107275.049	957.568	BOLAS
	542	1	5	5	14.894	0.814	1.572	1.693	1277116.012	1107277.477	957.497	BOLAS
	543	3	28	33	12.416	0.725	1.572	1.693	1277116.330	1107279.999	957.408	BOLAS
	544	82	2	33	45.131	-0.952	1.572	1.693	1277159.819	1107288.803	955.731	CT
	545	80	32	21	52.384	-1.062	1.572	1.693	1277166.925	1107286.869	955.621	CT
	546	79	59	50	58.137	-1.087	1.572	1.693	1277172.586	1107285.723	955.596	CT
	547	79	20	17	62.064	-1.033	1.572	1.693	1277176.403	1107284.568	955.650	CT
	548	78	57	59	67.524	-1.067	1.572	1.693	1277181.764	1107283.452	955.616	CT
	549	83	26	5	68.244	-1.048	1.572	1.693	1277182.971	1107288.655	955.635	CT
	D2	150	59	30	59.961	-0.994	1.572	1.693	1277140.662	1107346.432	955.689	D2
D2					59.953	1.283						
	30	110	46	1	163.176	13.218	1.548	1.693	1277303.276	1107332.899	968.762	PTEB
	31	110	58	40	146.324	12.498	1.548	1.693	1277286.526	1107334.833	968.042	PTEB
	32	111	57	11	124.360	9.329	1.548	1.693	1277264.781	1107338.686	964.873	PTEB
	34	114	3	18	90.234	5.759	1.548	1.693	1277230.867	1107344.118	961.303	PTEB
	35	117	33	49	60.602	3.771	1.548	1.693	1277201.226	1107348.589	959.315	PTEB
	36	124	6	8	38.446	2.392	1.548	1.693	1277178.678	1107352.167	957.936	PTEB
	37	149	34	0	21.040	1.070	1.548	1.693	1277158.096	1107358.211	956.614	PTEB
	38	199	45	13	13.751	0.135	1.548	1.693	1277142.045	1107360.114	955.679	PTEB
	39	108	37	23	55.365	-1.640	1.548	1.693	1277195.626	1107339.780	953.904	PTEB
	40	98	52	13	88.252	0.246	1.548	3.900	1277225.212	1107321.140	953.583	PTEB
	42	99	48	30	82.833	0.271	1.548	3.900	1277220.399	1107323.995	953.608	OV
	43	102	29	38	77.302	0.502	1.548	3.900	1277215.974	1107329.003	953.839	OV
	44	105	16	11	69.403	0.654	1.548	3.900	1277208.957	1107334.077	953.991	OV
	45	106	31	54	62.020	-1.432	1.548	1.693	1277201.920	1107336.738	954.112	OV
	46	107	5	34	51.802	-1.468	1.548	1.693	1277191.904	1107338.837	954.076	OV
	47	107	48	47	41.556	-1.449	1.548	1.693	1277181.842	1107340.856	954.095	OV
	48	108	39	34	33.019	-1.479	1.548	1.693	1277173.444	1107342.485	954.065	OV
	49	109	42	16	27.146	-1.433	1.548	1.693	1277167.668	1107343.680	954.111	OV
	50	112	40	51	22.204	-1.407	1.548	1.693	1277162.839	1107345.331	954.137	OV
	51	117	18	42	18.933	-1.358	1.548	1.693	1277159.586	1107347.023	954.186	OV
	52	124	50	0	14.819	-1.145	1.548	1.693	1277155.286	1107348.829	954.399	OV
	53	154	24	19	10.088	-0.422	1.548	1.693	1277148.515	1107352.764	955.122	OV
	54	183	51	40	9.690	0.051	1.548	1.693	1277144.239	1107355.438	955.595	OV
	55	198	39	12	10.675	0.024	1.548	1.693	1277141.939	1107357.031	955.568	OV
	56	202	56	27	11.576	0.074	1.548	1.693	1277141.184	1107357.996	955.618	OV
	57	203	39	49	12.581	0.091	1.548	1.693	1277141.071	1107359.007	955.635	OV
	58	202	12	3	14.843	0.107	1.548	1.693	1277141.523	1107361.250	955.651	OV
	59	201	12	9	15.415	0.118	1.548	1.693	1277141.824	1107361.803	955.662	OV
	60	198	17	56	15.661	0.144	1.548	1.693	1277142.632	1107361.969	955.688	OV
	61	178	16	58	16.766	0.364	1.548	1.693	1277148.337	1107361.339	955.908	OV
	62	155	58	43	20.441	0.833	1.548	1.693	1277156.216	1107359.695	956.377	OV
	63	140	48	15	26.370	1.281	1.548	1.693	1277164.507	1107357.693	956.825	OV
	64	131	19	22	33.926	1.562	1.548	1.693	1277173.307	1107355.669	957.106	OV
	65	125	21	25	43.656	2.314	1.548	1.693	1277183.677	1107353.887	957.858	OV
	66	120	51	52	55.733	3.412	1.548	1.693	1277196.153	1107351.619	958.956	OV
	67	118	30	40	65.826	3.902	1.548	1.693	1277206.399	1107349.862	959.446	OV
	68	116	50	42	76.804	5.037	1.548	1.693	1277217.446	1107348.202	960.581	OV
	69	115	57	30	84.119	5.856	1.548	1.693	1277224.779	1107347.069	961.400	OV
	70	115	24	15	90.029	6.093	1.548	1.693	1277230.691	1107346.243	961.637	OV
	71	114	9	59	100.382	6.289	1.548	1.693	1277241.016	1107344.053	961.833	OV
	72	113	18	7	109.144	6.790	1.548	1.693	1277249.724	1107342.200	962.334	OV
	73	112	33	51	120.212	8.504	1.548	1.693	1277260.714	1107340.224	964.048	OV
	74	111	47	6	130.082	10.606	1.548	1.693	1277270.467	1107337.949	966.150	OV
	75	111	23	4	139.515	12.122	1.548	1.693	1277279.813	1107336.360	967.666	OV
	76	111	21	43	148.429	12.664	1.548	1.693	1277288.700	1107335.659	968.208	OV
	77	111	22	35	154.970	13.071	1.548	1.693	1277295.226	1107335.223	968.615	OV
	78	111	22	47	164.128	13.423	1.548	1.693	1277304.361	1107334.570	968.967	OV
	79	111	6	16	172.717	13.817	1.548	1.693	1277312.866	1107333.122	969.361	OV
	80	111	0	18	179.899	16.326	1.548	3.885	1277320.002	1107332.257	969.678	OV
	81	110	24	49	189.594	15.990	1.548	3.885	1277329.502	1107329.543	969.342	OV
	82	111	35	37	189.960	16.023	1.548	3.885	1277330.175	1107333.410	969.375	OV

	83	112	7	9	175.493	13.950	1.548	1.693	1277315.845	1107336.009	969.494	OV
	84	112	33	38	166.313	13.284	1.548	1.693	1277306.753	1107337.833	968.828	OV
	85	112	41	29	150.963	12.760	1.548	1.693	1277291.441	1107338.971	968.304	OV
	86	112	44	19	139.938	12.184	1.548	1.693	1277280.435	1107339.631	967.728	OV
	87	113	32	38	129.399	10.096	1.548	1.693	1277269.984	1107341.960	965.640	OV
	88	114	20	47	119.266	8.218	1.548	1.693	1277259.903	1107343.980	963.762	OV
	89	115	45	14	106.389	6.616	1.548	1.693	1277247.050	1107346.858	962.160	OV
	90	117	23	30	91.381	6.089	1.548	1.693	1277231.995	1107349.410	961.633	OV
	91	119	42	30	76.919	4.922	1.548	1.693	1277217.376	1107352.044	960.466	OV
	92	123	48	36	59.829	3.662	1.548	1.693	1277199.867	1107355.054	959.206	OV
	93	129	57	13	44.759	2.446	1.548	1.693	1277184.009	1107357.585	957.990	OV
	94	144	0	2	30.011	1.457	1.548	1.693	1277167.042	1107360.741	957.001	OV
	95	171	33	20	21.061	0.557	1.548	1.693	1277152.430	1107363.899	956.101	OV
	96	186	47	21	20.313	0.322	1.548	1.693	1277147.187	1107365.669	955.866	OV
	97	198	14	25	21.164	0.148	1.548	1.693	1277143.346	1107367.425	955.692	OV
	98	205	6	12	22.541	0.220	1.548	1.693	1277140.828	1107368.973	955.764	OV
	99	207	18	11	23.756	0.068	1.548	1.693	1277139.925	1107370.177	955.612	OV
	100	204	57	34	29.136	0.044	1.548	1.693	1277140.949	1107375.567	955.588	OV
	101	216	51	16	29.836	0.050	1.548	1.693	1277134.801	1107375.687	955.594	OV
	102	227	23	7	20.858	0.157	1.548	1.693	1277132.896	1107365.790	955.701	OV
	103	266	25	6	11.940	0.308	1.548	1.693	1277130.230	1107352.240	955.852	OV
	104	317	15	51	13.646	0.413	1.548	1.693	1277127.987	1107341.378	955.957	OV
	105	341	5	10	20.700	0.500	1.548	1.693	1277126.169	1107331.652	956.044	OV
	106	351	52	18	29.643	0.574	1.548	1.693	1277124.235	1107321.757	956.118	OV
	107	357	18	27	38.604	0.747	1.548	1.693	1277122.410	1107312.416	956.291	OV
	108	0	37	23	47.694	0.923	1.548	1.693	1277120.580	1107303.172	956.467	OV
	109	3	28	15	59.545	1.201	1.548	1.693	1277118.305	1107291.244	956.745	OV
	110	7	28	42	43.822	0.802	1.548	1.693	1277127.087	1107304.766	956.346	OV
	111	5	35	55	34.424	0.602	1.548	1.693	1277128.930	1107314.069	956.146	OV
	112	1	25	17	23.554	0.393	1.548	1.693	1277131.043	1107324.932	955.937	OV
	113	353	43	29	15.072	0.291	1.548	1.693	1277132.720	1107333.623	955.835	OV
	114	338	16	50	9.091	0.175	1.548	1.693	1277133.987	1107340.261	955.719	OV
	115	318	59	9	6.511	0.125	1.548	1.693	1277134.689	1107343.840	955.669	OV
	116	312	50	36	4.109	0.211	1.548	1.693	1277136.739	1107345.209	955.755	OV
	117	294	41	56	0.475	0.128	1.548	1.693	1277140.187	1107346.439	955.672	OV
	118	118	33	27	0.955	0.058	1.548	1.693	1277141.616	1107346.483	955.602	OV
	119	105	48	9	5.158	-0.292	1.548	1.693	1277145.746	1107345.561	955.252	OV
	120	99	42	17	9.948	-0.764	1.548	1.693	1277150.233	1107343.720	954.780	OV
	121	94	14	43	14.219	-1.046	1.548	1.693	1277153.912	1107341.272	954.498	OV
	122	92	43	10	18.766	-1.151	1.548	1.693	1277157.961	1107339.159	954.393	OV
	123	94	39	32	26.362	-1.157	1.548	1.693	1277165.295	1107337.043	954.387	OV
	124	96	59	31	35.239	-1.320	1.548	1.693	1277174.074	1107335.232	954.224	OV
	125	98	42	0	45.854	-1.450	1.548	1.693	1277184.553	1107333.160	954.094	OV
	126	97	59	56	47.150	-1.443	1.548	1.693	1277185.624	1107332.234	954.101	OV
	127	96	14	25	47.890	-1.452	1.548	1.693	1277185.865	1107330.616	954.092	OV
	128	97	24	53	56.586	-1.547	1.548	1.693	1277194.445	1107328.843	953.997	OV
	129	98	56	16	56.868	-1.515	1.548	1.693	1277195.164	1107330.198	954.029	OV
	130	99	53	24	58.230	-1.660	1.548	1.693	1277196.738	1107330.739	953.884	OV
	131	100	3	48	62.991	-1.789	1.548	1.693	1277201.374	1107329.640	953.755	OV
	132	99	27	7	68.216	-1.910	1.548	1.693	1277206.212	1107327.546	953.634	OV
	133	98	2	28	73.192	-2.020	1.548	1.693	1277210.473	1107324.443	953.524	OV
	134	96	25	59	77.207	-2.184	1.548	1.693	1277213.623	1107321.180	953.360	OV
	135	97	2	29	84.948	-2.228	1.548	1.693	1277221.228	1107319.502	953.316	PZ EMPAS
	136	101	14	35	67.574	-1.800	1.548	1.693	1277206.148	1107329.763	953.744	PZ EMPAS
	137	162	4	4	14.702	-0.305	1.548	1.693	1277150.774	1107357.104	955.239	PZ EMPAS
	138	205	24	35	3.568	0.136	1.548	1.693	1277140.669	1107350.000	955.680	PZ EMPAS
	139	226	50	48	11.186	0.101	1.548	1.693	1277136.595	1107356.853	955.645	PZ EMPAS
	140	209	48	54	23.467	0.067	1.548	1.693	1277138.906	1107369.833	955.611	PZ EMPAS
	141	187	26	36	12.971	0.155	1.548	1.693	1277144.688	1107358.763	955.699	CT
	142	162	9	15	16.153	-0.362	1.548	1.693	1277151.755	1107358.174	955.182	CT
	143	153	8	37	12.760	-0.515	1.548	1.693	1277150.769	1107354.221	955.029	CT
	144	128	21	27	18.402	-1.012	1.548	1.693	1277158.605	1107350.520	954.532	CT
	145	135	23	10	20.227	-0.919	1.548	1.693	1277159.686	1107353.304	954.625	CT
	146	138	15	36	20.965	-1.403	1.548	1.693	1277159.998	1107354.535	954.141	CT
	147	142	39	35	22.766	0.424	1.548	1.693	1277160.922	1107356.816	955.968	CT
	148	131	28	26	28.617	0.322	1.548	1.693	1277168.178	1107354.296	955.866	CT
	149	128	41	56	27.345	-1.318	1.548	1.693	1277167.287	1107352.665	954.226	CT
	150	125	25	33	26.773	-0.769	1.548	1.693	1277167.036	1107351.036	954.775	CT
	151	121	46	1	25.984	-1.240	1.548	1.693	1277166.492	1107349.258	954.304	CT
	152	116	3	22	25.825	-1.440	1.548	1.693	1277166.486	1107346.672	954.104	CT
	153	113	32	29	34.288	-1.391	1.548	1.693	1277174.930	1107345.246	954.153	CT
	154	116	38	27	34.757	-1.286	1.548	1.693	1277175.413	1107347.109	954.258	CT

	155	118	36	32	34.968	-0.481	1.548	1.693	1277175.580	1107348.314	955.063	CT
	156	121	57	37	35.853	-0.333	1.548	1.693	1277176.289	1107350.451	955.211	CT
	157	123	7	23	35.975	1.996	1.548	1.693	1277176.321	1107351.189	957.540	CT
	158	119	24	33	46.138	2.480	1.548	1.693	1277186.694	1107349.558	958.024	CT
	159	118	31	25	45.881	0.321	1.548	1.693	1277186.480	1107348.833	955.865	CT
	160	117	1	40	45.658	0.382	1.548	1.693	1277186.304	1107347.630	955.926	CT
	161	115	42	9	45.339	-0.057	1.548	1.693	1277186.001	1107346.573	955.487	CT
	162	113	26	20	45.045	-1.203	1.548	1.693	1277185.677	1107344.793	954.341	CT
	163	110	54	2	44.792	-1.412	1.548	1.693	1277185.308	1107342.821	954.132	CT
	164	109	22	8	54.097	-1.292	1.548	1.693	1277194.447	1107340.632	954.252	CT
	165	111	54	20	54.549	-1.133	1.548	1.693	1277195.102	1107342.989	954.411	CT
	166	114	7	48	55.083	0.601	1.548	1.693	1277195.729	1107345.092	956.145	CT
	167	115	12	12	55.175	0.804	1.548	1.693	1277195.836	1107346.123	956.348	CT
	168	116	26	22	55.470	0.834	1.548	1.693	1277196.125	1107347.318	956.378	CT
	169	116	57	25	55.489	3.082	1.548	1.693	1277196.134	1107347.819	958.626	CT
	170	115	17	32	66.756	3.842	1.548	1.693	1277207.418	1107346.162	959.386	CT
	171	114	40	44	66.668	1.293	1.548	1.693	1277207.323	1107345.448	956.837	CT
	172	114	3	53	66.420	1.236	1.548	1.693	1277207.061	1107344.740	956.780	CT
	173	113	38	37	66.348	1.762	1.548	1.693	1277206.974	1107344.255	957.306	CT
	174	112	35	8	66.206	1.544	1.548	1.693	1277206.781	1107343.038	957.088	CT
	175	110	15	56	65.813	-0.884	1.548	1.693	1277206.198	1107340.400	954.660	CT
	176	107	44	45	65.591	-1.281	1.548	1.693	1277205.650	1107337.555	954.263	CT
	177	356	31	14	14.689	0.219	1.604	1.693	1277133.540	1107333.585	955.819	LUMINAR
	178	8	54	4	46.534	0.818	1.604	1.693	1277127.350	1107301.843	956.418	LUMINAR
	179	11	57	36	78.596	1.628	1.604	1.693	1277122.228	1107270.028	957.228	LUMINAR
	180	13	37	9	110.763	2.499	1.604	1.693	1277117.813	1107238.052	958.099	LUMINAR
	181	86	58	34	21.839	-0.952	1.604	1.693	1277159.846	1107335.995	954.648	V AGUA
	182	88	27	48	21.680	-0.945	1.604	1.693	1277159.969	1107336.569	954.655	V AGUA
	183	86	44	6	19.585	-0.915	1.604	1.693	1277157.826	1107337.000	954.685	V AGUA
	184	345	20	16	10.311	0.175	1.604	1.693	1277134.009	1107338.555	955.775	PZ
	185	358	14	36	12.821	0.194	1.604	1.693	1277134.786	1107335.037	955.794	PZ
	186	0	50	30	14.233	0.190	1.604	1.693	1277134.719	1107333.500	955.790	ML
	187	10	27	40	46.317	0.821	1.604	1.693	1277128.625	1107301.707	956.421	ML
	188	10	1	16	53.739	0.954	1.604	1.693	1277126.298	1107294.648	956.554	PZ-LUZ
	189	12	53	45	78.494	1.650	1.604	1.693	1277123.501	1107269.837	957.250	ML
	190	12	42	4	82.476	1.776	1.604	1.693	1277122.357	1107266.013	957.376	PZ
	191	13	49	1	104.258	2.489	1.604	1.693	1277119.507	1107244.343	958.089	PZ-LUZ
	192	13	59	27	110.900	2.593	1.604	1.693	1277118.489	1107237.772	958.193	ML
	193	13	20	22	110.737	2.828	1.604	1.693	1277117.289	1107238.190	958.428	BOLAS
	194	13	14	30	108.220	2.780	1.604	1.693	1277117.640	1107240.689	958.380	BOLAS
	195	13	7	44	105.772	2.764	1.604	1.693	1277117.957	1107243.126	958.364	BOLAS
	196	13	1	22	103.268	2.722	1.604	1.693	1277118.308	1107245.613	958.322	BOLAS
	197	12	54	54	100.744	2.688	1.604	1.693	1277118.670	1107248.118	958.288	BOLAS
	198	12	47	19	98.244	2.658	1.604	1.693	1277119.004	1107250.605	958.258	BOLAS
	199	12	40	13	95.806	2.601	1.604	1.693	1277119.348	1107253.027	958.201	BOLAS
	200	12	32	15	93.266	2.532	1.604	1.693	1277119.703	1107255.552	958.132	BOLAS
	201	12	24	14	90.769	2.435	1.604	1.693	1277120.058	1107258.033	958.035	BOLAS
	202	12	14	47	88.311	2.361	1.604	1.693	1277120.379	1107260.482	957.961	BOLAS
	203	12	5	39	85.887	2.277	1.604	1.693	1277120.714	1107262.894	957.877	BOLAS
	204	11	54	54	83.339	2.182	1.604	1.693	1277121.052	1107265.433	957.782	BOLAS
	205	11	43	28	80.796	2.088	1.604	1.693	1277121.390	1107267.968	957.688	BOLAS
	206	11	32	26	78.350	2.012	1.604	1.693	1277121.729	1107270.404	957.612	BOLAS
	207	11	19	45	75.909	1.916	1.604	1.693	1277122.047	1107272.841	957.516	BOLAS
	208	11	5	32	73.419	1.835	1.604	1.693	1277122.364	1107275.330	957.435	BOLAS
	209	10	52	38	70.910	1.738	1.604	1.693	1277122.732	1107277.827	957.338	BOLAS
	210	10	37	59	68.420	1.669	1.604	1.693	1277123.079	1107280.310	957.269	BOLAS
	211	10	21	19	65.946	1.594	1.604	1.693	1277123.406	1107282.784	957.194	BOLAS
	212	10	6	16	63.506	1.535	1.604	1.693	1277123.777	1107285.212	957.135	BOLAS
	213	9	49	38	60.971	1.490	1.604	1.693	1277124.166	1107287.735	957.090	BOLAS
	214	9	33	28	58.514	1.430	1.604	1.693	1277124.566	1107290.176	957.030	BOLAS
	215	9	16	32	55.993	1.389	1.604	1.693	1277124.995	1107292.676	956.989	BOLAS
	216	9	1	19	53.565	1.329	1.604	1.693	1277125.447	1107295.074	956.929	BOLAS
	217	8	45	31	51.086	1.286	1.604	1.693	1277125.926	1107297.518	956.886	BOLAS
	218	8	27	47	48.597	1.256	1.604	1.693	1277126.404	1107299.974	956.856	BOLAS
	219	8	9	4	46.094	1.192	1.604	1.693	1277126.899	1107302.441	956.792	BOLAS
	220	7	46	32	43.610	1.158	1.604	1.693	1277127.368	1107304.898	956.758	BOLAS
	221	7	23	39	41.127	1.113	1.604	1.693	1277127.864	1107307.347	956.713	BOLAS
	222	6	55	18	38.600	1.058	1.604	1.693	1277128.349	1107309.849	956.658	BOLAS
	223	6	23	52	36.092	1.025	1.604	1.693	1277128.836	1107312.333	956.625	BOLAS
	224	5	48	29	33.674	0.964	1.604	1.693	1277129.302	1107314.732	956.564	BOLAS
	225	5	8	14	28.557	0.815	1.604	1.693	1277130.714	1107319.664	956.415	BOLAS
	226	4	20	42	28.734	0.843	1.604	1.693	1277130.281	1107319.639	956.443	BOLAS

	227	3	25	59	26.250	0.787	1.604	1.693	1277130.790	1107322.109	956.387	BOLAS
	228	2	15	32	23.852	0.749	1.604	1.693	1277131.241	1107324.520	956.349	BOLAS
	229	0	51	17	21.407	0.706	1.604	1.693	1277131.727	1107326.979	956.306	BOLAS
	230	359	5	23	18.984	0.687	1.604	1.693	1277132.211	1107329.433	956.287	BOLAS
	231	356	43	47	16.532	0.648	1.604	1.693	1277132.699	1107331.944	956.248	BOLAS
	232	353	31	34	14.202	0.620	1.604	1.693	1277133.137	1107334.388	956.220	BOLAS
	233	349	4	35	11.878	0.591	1.604	1.693	1277133.606	1107336.878	956.191	BOLAS
	234	342	56	8	9.784	0.558	1.604	1.693	1277134.041	1107339.229	956.158	BOLAS
	235	335	5	14	7.816	0.530	1.604	1.693	1277134.637	1107341.454	956.130	BOLAS
	236	322	7	41	6.232	0.527	1.604	1.693	1277135.090	1107343.641	956.127	BOLAS
	237	318	19	53	3.892	0.529	1.604	1.693	1277137.074	1107344.924	956.129	BOLAS
	238	323	2	43	1.376	0.491	1.604	1.693	1277139.442	1107345.796	956.091	BOLAS
	239	96	3	52	1.286	0.425	1.604	1.693	1277141.875	1107346.004	956.025	BOLAS
	240	101	23	5	3.732	0.282	1.604	1.693	1277144.281	1107345.521	955.882	BOLAS
	241	43	11	12	8.021	0.106	1.604	1.693	1277143.096	1107338.789	955.706	RAMPA
	242	39	49	38	8.953	0.106	1.604	1.693	1277142.874	1107337.757	955.706	RAMPA
	243	51	18	15	10.109	0.555	1.604	1.693	1277145.059	1107337.329	956.155	RAMPA
	244	75	45	4	16.823	0.549	1.604	1.693	1277153.592	1107335.670	956.149	RAMPA
	245	77	54	17	18.030	0.053	1.604	1.693	1277154.943	1107335.426	955.653	RAMPA
	246	30	12	54	22.528	0.050	1.604	1.693	1277142.504	1107323.980	955.650	RAMPA
	247	27	37	41	22.267	0.067	1.604	1.693	1277141.480	1107324.180	955.667	RAMPA
	248	26	47	59	23.667	0.519	1.604	1.693	1277141.189	1107322.771	956.119	RAMPA
	249	24	10	30	29.970	0.525	1.604	1.693	1277139.956	1107316.471	956.125	RAMPA
	250	23	29	34	32.249	0.050	1.604	1.693	1277139.519	1107314.203	955.650	RAMPA
	251	28	53	58	35.517	0.037	1.604	1.693	1277142.753	1107310.977	955.637	RAMPA
	252	27	27	48	35.323	0.037	1.604	1.693	1277141.857	1107311.129	955.637	RAMPA
	253	26	58	33	36.706	0.517	1.604	1.693	1277141.592	1107309.738	956.117	RAMPA
	254	25	10	14	43.003	0.528	1.604	1.693	1277140.397	1107303.430	956.128	RAMPA
	255	24	41	2	45.203	0.033	1.604	1.693	1277139.999	1107301.234	955.633	RAMPA
	256	19	23	30	36.380	0.659	1.604	1.693	1277136.776	1107310.260	956.259	RAMPA
	257	20	59	44	36.465	0.649	1.604	1.693	1277137.783	1107310.081	956.249	RAMPA
	258	19	41	35	46.525	0.657	1.604	1.693	1277135.935	1107300.148	956.257	RAMPA
	259	16	15	50	23.332	0.596	1.604	1.693	1277136.908	1107323.404	956.196	RAMPA
	260	18	48	7	23.374	0.593	1.604	1.693	1277137.926	1107323.219	956.193	RAMPA
	261	17	45	14	33.409	0.599	1.604	1.693	1277136.145	1107313.330	956.199	RAMPA
	262	358	15	9	6.914	0.117	1.604	1.693	1277137.494	1107340.287	955.717	ANDEN
	263	345	46	34	3.994	0.108	1.604	1.693	1277138.108	1107343.361	955.708	ANDEN
	264	32	5	41	2.655	0.046	1.604	1.693	1277140.966	1107343.795	955.646	ANDEN
	265	67	54	26	4.117	-0.072	1.604	1.693	1277143.437	1107343.391	955.528	ANDEN
	266	80	59	44	7.135	-0.309	1.604	1.693	1277146.540	1107342.388	955.291	ANDEN
	267	83	45	59	11.179	-0.638	1.604	1.693	1277150.167	1107340.548	954.962	ANDEN
	268	83	52	13	16.788	-0.860	1.604	1.693	1277154.953	1107337.622	954.740	ANDEN
	269	81	35	59	16.925	-0.843	1.604	1.693	1277154.706	1107336.986	954.757	ANDEN
	270	96	0	47	47.343	-1.455	1.604	1.693	1277185.287	1107330.620	954.145	PAR
	271	88	42	50	25.415	-1.540	1.604	1.693	1277163.345	1107334.969	954.060	PAR
	272	88	26	48	25.115	0.101	1.604	1.693	1277163.024	1107335.000	955.701	PAR
	273	82	35	13	26.069	0.074	1.604	1.693	1277162.541	1107332.258	955.674	PAR
	274	67	23	1	30.321	0.072	1.604	1.693	1277160.895	1107323.850	955.672	PAR
	275	66	39	44	30.649	0.072	1.604	1.693	1277160.825	1107323.350	955.672	PAR
	276	59	27	24	35.093	0.076	1.604	1.693	1277160.252	1107317.316	955.676	PAR
	277	56	43	39	33.492	0.073	1.604	1.693	1277158.014	1107317.785	955.673	PAR
	278	47	52	51	45.048	0.055	1.604	1.693	1277157.797	1107304.770	955.655	PAR
	279	47	10	6	44.712	0.024	1.604	1.693	1277157.154	1107304.873	955.624	PAR
	280	46	28	11	45.644	0.030	1.604	1.693	1277156.979	1107303.804	955.630	PAR
	281	45	22	48	48.277	0.076	1.604	1.693	1277157.060	1107301.025	955.676	PAR
	282	42	35	29	43.297	0.046	1.604	1.693	1277153.369	1107305.042	955.646	PAR
	283	42	46	32	43.032	0.046	1.604	1.693	1277153.424	1107305.336	955.646	PAR
	284	43	5	46	42.585	0.045	1.604	1.693	1277153.519	1107305.834	955.645	PAR
	285	43	17	13	42.322	0.045	1.604	1.693	1277153.574	1107306.128	955.645	PAR
	286	43	37	11	41.898	0.035	1.604	1.693	1277153.676	1107306.606	955.635	PAR
	287	43	49	4	41.625	0.034	1.604	1.693	1277153.728	1107306.911	955.634	PAR
	288	44	35	51	41.954	0.046	1.604	1.693	1277154.372	1107306.781	955.646	PAR
	289	1	1	52	14.736	0.221	1.604	1.693	1277134.553	1107333.022	955.821	JARD
	290	5	53	31	14.503	0.192	1.604	1.693	1277135.789	1107332.772	955.792	JARD
	291	6	30	38	15.728	0.214	1.604	1.693	1277135.538	1107331.562	955.814	JARD
	292	5	46	48	22.608	0.356	1.604	1.693	1277133.025	1107325.153	955.956	JARD
	293	8	58	42	22.447	0.345	1.604	1.693	1277134.270	1107324.915	955.945	JARD
	294	9	16	47	23.714	0.376	1.604	1.693	1277134.028	1107323.665	955.976	JARD
	295	7	58	7	30.531	0.528	1.604	1.693	1277131.453	1107317.323	956.128	JARD
	296	10	21	43	30.380	0.553	1.604	1.693	1277132.716	1107317.110	956.153	JARD
	297	10	36	8	31.613	0.569	1.604	1.693	1277132.522	1107315.885	956.169	JARD
	298	9	19	45	38.569	0.695	1.604	1.693	1277129.905	1107309.394	956.295	JARD

	299	11	14	17	38.395	0.692	1.604	1.693	1277131.188	1107309.225	956.292	JARD
	300	11	20	34	39.697	0.721	1.604	1.693	1277130.937	1107307.945	956.321	JARD
	301	10	13	29	46.736	0.842	1.604	1.693	1277128.330	1107301.353	956.442	JARD
	302	11	44	39	46.602	0.839	1.604	1.693	1277129.562	1107301.172	956.439	JARD
	303	11	53	8	47.854	0.862	1.604	1.693	1277129.378	1107299.928	956.462	JARD
	304	14	25	22	15.353	0.062	1.604	1.693	1277137.706	1107331.366	955.662	CT
	305	19	38	52	23.250	0.066	1.604	1.693	1277138.282	1107323.304	955.666	CT
	306	22	42	11	33.434	0.025	1.604	1.693	1277139.017	1107313.039	955.625	CT
	307	24	5	21	41.315	0.029	1.604	1.693	1277139.627	1107305.130	955.629	CT
	308	24	53	38	48.112	0.028	1.604	1.693	1277140.133	1107298.323	955.628	CT
	309	25	34	9	55.842	0.063	1.604	1.693	1277140.706	1107290.590	955.663	CT
	310	31	3	9	57.511	0.050	1.604	1.693	1277146.202	1107289.189	955.650	CT
	311	34	39	27	48.603	0.054	1.604	1.693	1277148.377	1107298.445	955.654	CT
	312	39	1	20	40.246	0.039	1.604	1.693	1277150.056	1107307.298	955.639	CT
	313	45	38	8	32.090	0.052	1.604	1.693	1277151.696	1107316.299	955.652	CT
	314	58	7	2	24.157	0.039	1.604	1.693	1277153.675	1107326.079	955.639	CT
	315	71	46	1	19.944	0.050	1.604	1.693	1277155.067	1107332.639	955.650	CT
	316	83	8	24	18.153	0.119	1.604	1.693	1277155.992	1107336.710	955.719	CT
	317	83	44	31	18.675	0.113	1.604	1.693	1277156.537	1107336.596	955.713	CT
	318	89	36	19	25.658	0.097	1.604	1.693	1277163.739	1107335.217	955.697	CT
	319	89	37	51	25.678	-0.983	1.604	1.693	1277163.762	1107335.219	954.617	CT
	320	104	26	43	74.133	-2.025	1.604	1.693	1277213.414	1107332.187	953.575	CT
	321	105	6	31	74.353	-1.444	1.604	1.693	1277213.790	1107332.990	954.156	CT
	322	108	16	19	74.695	-1.217	1.604	1.693	1277214.760	1107337.003	954.383	CT
	323	112	9	5	75.194	2.573	1.604	1.693	1277215.726	1107342.008	958.173	CT
	324	113	34	9	74.914	2.465	1.604	2.700	1277215.533	1107343.876	957.058	CT
	325	113	0	43	83.208	2.880	1.604	1.693	1277223.790	1107342.785	958.480	CT
	326	111	56	32	82.997	3.478	1.604	1.693	1277223.497	1107341.247	959.078	CT
	327	107	54	5	82.394	-0.861	1.604	1.693	1277222.328	1107335.502	954.739	CT
	328	102	48	25	82.336	-1.437	1.604	1.693	1277220.978	1107328.307	954.163	CT
	329	101	38	5	81.843	-1.725	1.604	1.693	1277220.112	1107326.786	953.875	CT
	330	101	8	22	81.658	-2.088	1.604	1.693	1277219.760	1107326.146	953.512	CT
	331	97	27	55	87.842	-2.176	1.604	1.693	1277224.177	1107319.201	953.424	CT
	332	97	50	41	87.881	-2.067	1.604	1.693	1277224.393	1107319.743	953.533	CT
	333	101	32	42	87.777	-1.542	1.604	1.693	1277225.839	1107325.228	954.058	CT
	334	106	25	11	87.966	-1.129	1.604	1.693	1277227.520	1107332.513	954.471	CT
	335	109	3	25	88.492	1.655	1.604	1.693	1277228.591	1107336.465	957.255	CT
	336	111	5	24	88.873	4.494	1.604	1.693	1277229.269	1107339.561	960.094	CT
	337	112	18	32	89.499	4.360	1.604	1.693	1277230.020	1107341.412	959.960	CT
	338	112	35	31	89.605	4.045	1.604	1.693	1277230.150	1107341.848	959.645	CT
	339	111	44	32	98.278	5.987	1.604	1.693	1277238.726	1107339.950	961.587	CT
	340	109	23	30	98.092	3.466	1.604	1.693	1277238.193	1107335.953	959.066	CT
	341	110	32	40	147.442	12.146	1.604	1.693	1277287.548	1107333.633	967.746	CT
	342	105	48	57	97.611	-0.280	1.604	1.693	1277236.875	1107329.971	955.320	CT
	343	110	37	59	142.574	11.643	1.604	1.693	1277282.717	1107334.276	967.243	CT
	344	102	0	58	96.373	-1.230	1.604	1.693	1277234.369	1107323.921	954.370	CT
	345	111	6	37	136.354	11.780	1.604	1.693	1277276.612	1107335.938	967.380	CT
	346	97	8	26	94.748	-1.592	1.604	1.693	1277230.575	1107316.551	954.008	CT
	347	111	7	17	131.153	10.931	1.604	1.693	1277271.428	1107336.364	966.531	CT
	348	97	15	23	101.816	-1.300	1.604	1.693	1277237.347	1107314.517	954.300	CT
	349	111	47	21	126.045	9.440	1.604	1.693	1277266.439	1107338.221	965.040	CT
	350	101	6	49	102.705	-1.220	1.604	1.693	1277240.136	1107320.872	954.380	CT
	351	111	43	13	119.780	7.880	1.604	1.693	1277260.178	1107338.485	963.480	CT
	352	102	52	11	102.796	0.105	1.604	1.693	1277240.961	1107323.912	955.705	CT
	353	105	2	2	102.774	0.369	1.604	1.693	1277241.718	1107327.720	955.969	CT
	354	106	47	12	103.010	1.091	1.604	1.693	1277242.477	1107330.784	956.691	CT
	355	109	3	57	103.397	3.472	1.604	1.693	1277243.403	1107334.802	959.072	CT
	356	110	34	16	103.333	5.878	1.604	1.693	1277243.609	1107337.510	961.478	CT
	357	114	11	0	88.827	5.503	1.604	1.693	1277229.465	1107344.353	961.103	CT
	358	115	55	42	79.667	5.543	1.604	1.693	1277220.327	1107346.994	961.143	CT
	359	116	19	38	69.915	4.221	1.604	1.693	1277210.570	1107347.412	959.821	CT
	360	115	24	24	69.561	3.944	1.604	1.693	1277210.223	1107346.289	959.544	CT
	361	110	6	50	114.861	7.292	1.604	1.693	1277255.011	1107335.602	962.892	CT
	362	107	21	30	115.427	3.808	1.604	1.693	1277254.919	1107330.037	959.408	CT
	363	108	24	20	115.506	4.693	1.604	1.693	1277255.278	1107332.118	960.293	CT
	364	109	41	53	122.999	8.471	1.604	1.693	1277263.026	1107333.946	964.071	CT
	365	105	42	5	115.272	3.515	1.604	1.693	1277254.244	1107326.766	959.115	CT
	366	111	24	31	123.796	8.380	1.604	1.693	1277264.139	1107337.547	963.980	CT
	367	104	17	25	115.133	3.346	1.604	1.693	1277253.589	1107324.002	958.946	CT
	368	110	33	5	134.221	9.585	1.604	1.693	1277274.378	1107334.797	965.185	CT
	369	109	19	43	134.778	9.550	1.604	1.693	1277274.653	1107331.886	965.150	CT
	370	102	49	45	115.103	3.111	1.604	1.693	1277252.951	1107321.137	958.711	CT

	371	101	33	16	115.185	1.144	1.604	1.693	1277252.440	1107318.625	956.744	CT
	372	109	9	58	143.978	10.388	1.604	1.693	1277283.755	1107330.487	965.988	CT
	373	99	53	17	115.514	-1.258	1.604	1.693	1277251.901	1107315.298	954.342	CT
	374	110	12	22	144.375	10.498	1.604	1.693	1277284.416	1107333.050	966.098	CT
	375	97	1	28	115.690	-1.153	1.604	1.693	1277250.374	1107309.723	954.447	CT
	376	97	7	37	123.517	-1.132	1.604	1.693	1277257.866	1107307.449	954.468	CT
	377	109	57	6	152.557	11.517	1.604	1.693	1277292.498	1107331.618	967.117	CT
	378	99	50	42	122.776	-1.069	1.604	1.693	1277258.870	1107313.252	954.531	CT
	379	109	4	0	152.330	11.321	1.604	1.693	1277292.026	1107329.300	966.921	CT
	380	101	31	53	122.783	1.475	1.604	1.693	1277259.802	1107316.743	957.075	CT
	381	109	4	8	161.674	12.676	1.604	1.693	1277301.311	1107328.255	968.276	CT
	382	103	7	42	122.640	4.085	1.604	1.693	1277260.443	1107320.105	959.685	CT
	383	109	55	27	161.954	12.567	1.604	1.693	1277301.843	1107330.628	968.167	CT
	384	104	10	32	122.713	4.035	1.604	1.693	1277260.976	1107322.285	959.635	CT
	385	109	3	3	165.507	13.216	1.604	1.693	1277305.114	1107327.772	968.816	CT
	386	105	45	39	122.440	4.038	1.604	1.693	1277261.329	1107325.669	959.638	CT
	387	107	34	53	123.121	4.478	1.604	1.693	1277262.602	1107329.418	960.078	CT
	388	109	48	24	166.557	13.329	1.604	1.693	1277306.391	1107329.839	968.929	CT
	389	108	19	3	166.246	13.287	1.604	1.693	1277305.595	1107325.576	968.887	CT
	390	108	25	25	172.362	14.111	1.604	1.693	1277311.702	1107325.126	969.711	CT
	391	109	15	41	179.032	14.597	1.604	1.693	1277318.626	1107326.901	970.197	CT
	392	108	20	55	133.451	7.123	1.604	1.693	1277273.068	1107329.762	962.723	CT
	393	109	12	2	183.457	15.018	1.604	1.693	1277323.003	1107326.225	970.618	CT
	394	107	18	4	133.203	5.132	1.604	1.693	1277272.496	1107327.380	960.732	CT
	395	105	11	20	132.800	4.810	1.604	1.693	1277271.307	1107322.606	960.410	CT
	396	107	33	5	179.726	14.616	1.604	1.693	1277318.651	1107321.503	970.216	CT
	397	103	21	34	132.766	4.611	1.604	1.693	1277270.447	1107318.455	960.211	CT
	398	107	23	9	174.199	14.306	1.604	1.693	1277313.107	1107321.771	969.906	CT
	399	106	56	5	169.302	13.752	1.604	1.693	1277308.065	1107321.146	969.352	CT
	400	101	55	39	132.880	2.170	1.604	1.693	1277269.818	1107315.194	957.770	CT
	401	106	48	15	165.708	13.261	1.604	1.693	1277304.455	1107321.309	968.861	CT
	402	100	1	23	132.327	-0.783	1.604	1.693	1277268.176	1107311.066	954.817	CT
	403	104	27	20	165.546	13.562	1.604	1.693	1277303.129	1107314.649	969.162	CT
	404	97	32	42	131.898	-1.014	1.604	1.693	1277266.119	1107305.719	954.586	CT
	405	104	20	38	168.942	13.952	1.604	1.693	1277306.398	1107313.674	969.552	CT
	406	97	40	22	137.542	-0.883	1.604	1.693	1277271.582	1107304.268	954.717	CT
	407	104	14	0	172.474	14.173	1.604	1.693	1277309.798	1107312.663	969.773	CT
	408	100	4	39	136.973	-0.356	1.604	1.693	1277272.687	1107309.950	955.244	CT
	409	102	11	29	168.310	13.822	1.604	1.693	1277304.436	1107307.618	969.422	CT
	410	101	39	12	137.195	1.733	1.604	1.693	1277273.856	1107313.541	957.333	CT
	411	102	5	25	165.800	13.796	1.604	1.693	1277301.926	1107307.912	969.396	CT
	412	103	31	58	137.358	5.160	1.604	1.693	1277275.023	1107317.894	960.760	CT
	413	100	37	54	166.190	13.678	1.604	1.693	1277301.270	1107303.720	969.278	CT
	414	105	8	21	137.583	5.058	1.604	1.693	1277275.991	1107321.631	960.658	CT
	415	107	22	6	137.421	5.460	1.604	1.693	1277276.693	1107326.936	961.060	CT
	416	108	10	18	137.566	7.172	1.604	1.693	1277277.097	1107328.827	962.772	CT
	417	98	21	38	166.621	13.189	1.604	1.693	1277299.863	1107297.262	968.789	CT
	418	95	39	59	167.879	12.571	1.604	1.693	1277298.559	1107289.405	968.171	CT
	419	108	5	49	147.038	7.848	1.604	1.693	1277286.466	1107327.425	963.448	CT
	420	92	56	10	169.264	11.901	1.604	1.693	1277296.942	1107281.417	967.501	CT
	421	107	13	2	146.807	6.165	1.604	1.693	1277285.929	1107325.222	961.765	CT
	422	105	13	3	145.412	5.685	1.604	1.693	1277283.728	1107320.415	961.285	CT
	423	91	8	33	170.558	11.524	1.604	1.693	1277296.009	1107276.023	967.124	CT
	424	103	10	53	143.350	5.199	1.604	1.693	1277280.699	1107315.789	960.799	CT
	425	101	2	22	141.311	2.913	1.604	1.693	1277277.481	1107311.087	958.513	CT
	426	97	59	16	142.108	2.318	1.604	1.693	1277276.166	1107303.613	957.918	CT
	427	97	50	50	146.316	4.581	1.604	1.693	1277280.070	1107302.003	960.181	CT
	428	97	56	40	150.307	4.690	1.604	1.693	1277283.949	1107301.034	960.290	CT
	429	97	52	53	154.917	4.730	1.604	1.693	1277288.292	1107299.479	960.330	CT
	430	101	19	35	155.031	5.563	1.604	1.693	1277290.958	1107308.407	961.163	CT
	431	101	22	24	149.906	5.283	1.604	1.693	1277286.019	1107309.783	960.883	CT
	432	104	12	28	149.773	5.737	1.604	1.693	1277287.523	1107317.042	961.337	CT
	433	106	46	41	151.148	6.257	1.604	1.693	1277290.053	1107323.449	961.857	CT
	434	108	0	45	151.800	8.348	1.604	1.693	1277291.159	1107326.587	963.948	CT
	435	107	50	19	159.182	8.930	1.604	1.693	1277298.414	1107325.143	964.530	CT
	436	106	55	38	158.271	7.323	1.604	1.693	1277297.155	1107322.773	962.923	CT
	437	104	25	14	155.743	6.396	1.604	1.693	1277293.490	1107316.438	961.996	CT
	438	104	24	1	161.055	9.440	1.604	1.693	1277298.691	1107315.359	965.040	CT
	439	102	0	58	161.342	9.909	1.604	1.693	1277297.541	1107308.745	965.509	CT
	440	99	43	43	161.493	9.245	1.604	1.693	1277296.057	1107302.472	964.845	CT
	441	97	59	24	162.059	8.949	1.604	1.693	1277295.191	1107297.607	964.549	CT
	442	99	57	33	154.370	5.245	1.604	1.693	1277289.371	1107305.009	960.845	CT

	443	103	28	30	156.129	6.269	1.604	1.693	1277293.351	1107313.840	961.869	CT
	444	96	20	39	155.022	4.421	1.604	1.693	1277287.079	1107295.501	960.021	CT
	445	96	20	39	149.616	4.267	1.604	1.693	1277281.973	1107297.277	959.867	CT
	446	96	1	41	145.006	3.629	1.604	1.693	1277277.354	1107298.037	959.229	CT
	447	94	6	2	146.483	3.593	1.604	1.693	1277277.024	1107292.927	959.193	CT
	448	94	6	14	152.269	3.743	1.604	1.693	1277282.413	1107290.822	959.343	CT
	449	94	34	28	157.472	4.041	1.604	1.693	1277287.724	1107290.128	959.641	CT
	450	95	2	59	161.190	6.638	1.604	1.693	1277291.669	1107290.049	962.238	CT
	451	97	10	21	160.485	7.418	1.604	1.693	1277292.985	1107295.903	963.018	CT
	452	95	35	51	141.734	1.366	1.604	1.693	1277273.910	1107298.126	956.966	CT
	453	91	38	55	172.161	11.418	1.604	1.693	1277298.091	1107276.749	967.018	MALLA
	454	95	7	17	169.761	12.230	1.604	1.693	1277299.773	1107287.250	967.830	MALLA
	455	97	32	48	168.777	12.980	1.604	1.693	1277301.199	1107294.340	968.580	MALLA
	456	100	40	56	167.920	13.799	1.604	1.693	1277302.980	1107303.418	969.399	MALLA
	457	104	41	28	175.308	14.345	1.604	1.693	1277312.846	1107313.483	969.945	MALLA
	458	107	47	49	182.818	14.546	1.604	1.693	1277321.820	1107321.850	970.146	MALLA
	459	109	56	7	188.660	16.920	1.604	3.885	1277328.425	1107328.058	970.328	MALLA
	460	110	5	39	179.241	16.475	1.604	3.885	1277319.099	1107329.470	969.883	MALLA
	461	110	17	42	168.886	15.657	1.604	3.885	1277308.845	1107331.039	969.065	MALLA
	462	110	30	39	157.991	15.114	1.604	3.885	1277298.049	1107332.625	968.522	MALLA
	463	110	44	33	148.880	12.291	1.604	1.693	1277289.024	1107334.021	967.891	MALLA
	464	109	45	0	148.479	11.023	1.604	1.693	1277288.388	1107331.494	966.623	MALLA
	465	159	27	30	15.066	-1.831	1.604	1.693	1277151.512	1107356.885	953.769	EJE CATA
	466	122	35	19	33.968	-0.855	1.604	1.693	1277174.372	1107350.610	954.745	EJE CATA
	467	116	47	46	51.083	0.397	1.604	1.693	1277191.733	1107347.566	955.997	EJE CATA
	468	114	33	48	65.779	0.934	1.604	1.693	1277206.432	1107345.329	956.534	EJE CATA
	469	113	35	27	74.985	1.490	1.604	1.693	1277215.604	1107343.902	957.090	EJE CATA
	470	113	5	15	82.848	2.812	1.604	1.693	1277223.435	1107342.910	958.412	EJE CATA
	471	112	30	47	92.089	4.439	1.604	1.693	1277232.624	1107341.595	960.039	EJE CATA
	472	112	2	8	105.565	6.391	1.604	1.693	1277246.032	1107340.008	961.991	EJE CATA
	473	111	22	9	121.606	7.834	1.604	1.693	1277261.949	1107337.621	963.434	EJE CATA
	474	111	22	8	121.619	7.913	1.604	1.693	1277261.961	1107337.619	963.513	EJE CATA
	475	110	18	57	135.114	9.440	1.604	1.693	1277275.218	1107334.166	965.040	EJE CATA
	476	109	56	28	148.007	10.651	1.604	1.693	1277287.967	1107332.032	966.251	EJE CATA
	477	109	26	2	166.587	13.066	1.604	1.693	1277306.309	1107328.758	968.666	EJE CATA
	478	108	23	5	168.719	13.297	1.604	1.693	1277308.073	1107325.462	968.897	EJE CATA
	479	107	4	41	169.619	13.553	1.604	1.693	1277308.441	1107321.518	969.153	EJE CATA
	480	103	36	56	170.814	13.901	1.604	1.693	1277307.800	1107311.184	969.501	EJE CATA
	481	101	43	15	169.625	13.647	1.604	1.693	1277305.388	1107305.961	969.247	EJE CATA
	D2A	112	42	3	191.041	15.904	1.604	1.693	1277331.471	1107337.022	971.504	D2A
	D3	110	32	54	109.728	6.647	1.548	1.693	1277249.977	1107336.915	962.191	D3
D3		359	59	59	109.726	-6.363						
	550	96	3	37	154.715	-11.597	1.528	1.693	1277252.904	1107182.227	950.429	PTEB
	551	98	56	37	133.242	-11.666	1.528	1.693	1277259.196	1107203.992	950.360	PTEB
	552	70	36	14	54.801	-9.497	1.528	1.693	1277227.362	1107286.997	952.529	PTEB
	553	75	32	25	87.479	-11.063	1.528	1.693	1277220.868	1107254.421	950.963	PTEB
	554	81	9	16	121.124	-15.895	1.528	1.693	1277221.040	1107219.298	946.131	PTEB
	555	53	23	19	35.981	-8.990	1.528	1.693	1277226.094	1107310.003	953.036	OV
	556	83	49	46	136.843	-18.289	1.528	1.693	1277223.522	1107202.653	943.737	OV
	557	82	23	25	131.091	-17.344	1.528	1.693	1277221.412	1107208.974	944.682	OV
	558	60	25	58	41.082	-9.257	1.528	1.693	1277226.682	1107303.075	952.769	OV
	559	80	44	34	124.280	-16.298	1.528	1.693	1277219.420	1107216.450	945.728	OV
	560	65	34	53	49.671	-9.719	1.528	1.693	1277225.597	1107293.638	952.307	OV
	561	79	44	22	119.961	-15.613	1.528	1.693	1277218.450	1107221.170	946.413	OV
	562	69	5	15	59.317	-9.996	1.528	1.693	1277224.078	1107283.550	952.030	OV
	563	78	47	8	115.696	-14.978	1.528	1.693	1277217.717	1107225.807	947.048	OV
	564	71	36	5	70.262	-10.313	1.528	1.693	1277222.101	1107272.419	951.713	OV
	565	77	53	43	111.216	-14.466	1.528	1.693	1277217.310	1107230.604	947.560	OV
	566	73	11	28	81.033	-10.701	1.528	1.693	1277219.903	1107261.669	951.325	OV
	567	76	37	3	104.496	-13.357	1.528	1.693	1277217.064	1107237.737	948.669	OV
	568	74	7	42	88.439	-11.187	1.528	1.693	1277218.503	1107254.266	950.839	OV
	569	75	24	18	87.653	-11.100	1.528	1.693	1277220.615	1107254.326	950.926	OV
	570	69	22	15	87.493	-10.627	1.528	1.693	1277212.165	1107258.014	951.399	OV
	571	68	40	13	86.101	-10.480	1.528	1.693	1277211.820	1107259.730	951.546	OV
	572	66	12	48	84.280	-10.219	1.528	1.693	1277209.423	1107263.033	951.807	OV
	573	63	33	30	83.349	-10.068	1.528	1.693	1277206.529	1107265.785	951.958	OV
	574	59	21	48	84.182	-11.668	1.528	0.050	1277200.957	1107268.477	952.001	OV
	575	71	33	4	99.258	-12.001	1.528	1.693	1277210.517	1107245.837	950.025	OV
	576	73	17	37	107.799	-13.225	1.528	1.693	1277210.149	1107236.743	948.801	OV
	577	75	15	57	116.594	-14.370	1.528	1.693	1277210.654	1107227.152	947.656	OV
	578	77	24	44	125.591	-15.603	1.528	1.693	1277212.077	1107217.178	946.423	OV
	579	78	59	28	131.748	-16.494	1.528	1.693	1277213.695	1107210.261	945.532	OV

	580	81	18	54	133.971	-17.292	1.528	1.693	1277218.336	1107206.734	944.734	OV
	581	58	20	21	80.586	-10.031	1.528	1.693	1277201.888	1107272.250	951.995	OV
	582	59	17	4	80.001	-9.958	1.528	1.693	1277203.302	1107271.940	952.068	OV
	583	61	39	47	79.295	-9.935	1.528	1.693	1277206.427	1107270.649	952.091	OV
	584	63	55	58	79.381	-9.981	1.528	1.693	1277209.041	1107268.903	952.045	OV
	585	66	44	42	80.282	-10.057	1.528	1.693	1277212.001	1107266.182	951.969	OV
	586	67	8	48	80.248	-10.126	1.528	1.693	1277212.514	1107265.948	951.900	OV
	587	67	32	57	79.713	-10.230	1.528	1.693	1277213.260	1107266.161	951.796	OV
	588	67	41	21	79.113	-10.257	1.528	1.693	1277213.708	1107266.605	951.769	OV
	589	67	37	47	78.586	-10.253	1.528	1.693	1277213.877	1107267.111	951.773	OV
	590	65	14	30	69.273	-10.104	1.528	1.693	1277215.619	1107276.762	951.922	OV
	591	62	6	46	60.038	-9.970	1.528	1.693	1277217.398	1107286.485	952.056	OV
	592	57	56	56	51.460	-9.723	1.528	1.693	1277218.988	1107295.831	952.303	OV
	593	52	50	5	45.219	-9.481	1.528	1.693	1277219.636	1107303.385	952.545	OV
	594	46	44	50	41.427	-9.303	1.528	1.693	1277219.080	1107309.318	952.723	OV
	595	41	23	10	39.684	-9.117	1.528	1.693	1277218.039	1107313.360	952.909	OV
	596	31	22	31	39.119	-8.839	1.528	1.693	1277214.937	1107319.521	953.187	OV
	597	25	54	12	45.989	-7.579	1.528	1.693	1277207.021	1107320.488	954.447	ARBOL
	598	32	30	36	45.127	-7.660	1.528	1.693	1277209.961	1107316.053	954.366	ARBOL
	599	39	20	39	45.583	-7.939	1.528	1.693	1277212.351	1107311.183	954.087	ARBOL
	600	45	36	12	46.675	-8.430	1.528	1.693	1277214.552	1107306.523	953.596	ARBOL
	601	58	58	57	63.546	-9.196	1.528	1.693	1277212.631	1107285.501	952.830	ARBOL
	602	60	33	21	67.411	-9.429	1.528	1.693	1277211.872	1107281.306	952.597	ARBOL
	603	53	26	57	65.123	-9.494	1.528	1.693	1277206.802	1107288.161	952.532	PIEDRA
	604	55	7	0	65.656	-9.340	1.528	1.693	1277207.897	1107286.516	952.686	PIEDRA
	605	55	24	36	62.942	-9.209	1.528	1.693	1277209.885	1107288.393	952.817	PIEDRA
	606	55	34	2	62.905	-9.204	1.528	1.693	1277210.041	1107288.312	952.822	PIEDRA
	607	55	37	21	62.665	-9.110	1.528	1.693	1277210.241	1107288.459	952.916	PIEDRA
	608	55	31	1	62.637	-9.125	1.528	1.693	1277210.169	1107288.554	952.901	PIEDRA
	609	55	21	52	60.251	-8.969	1.528	1.693	1277211.562	1107290.498	953.057	PIEDRA
	610	55	29	40	60.195	-9.005	1.528	1.693	1277211.703	1107290.454	953.021	PIEDRA
	611	55	31	29	59.997	-8.992	1.528	1.693	1277211.853	1107290.587	953.034	PIEDRA
	612	54	57	51	57.505	-8.877	1.528	1.693	1277213.004	1107292.871	953.149	PIEDRA
	613	55	5	24	57.445	-8.868	1.528	1.693	1277213.139	1107292.836	953.158	PIEDRA
	614	55	2	19	57.219	-8.849	1.528	1.693	1277213.245	1107293.042	953.177	PIEDRA
	615	54	49	30	57.276	-8.857	1.528	1.693	1277213.045	1107293.136	953.169	PIEDRA
	616	53	47	24	55.054	-8.746	1.528	1.693	1277213.723	1107295.482	953.280	PIEDRA
	617	53	56	51	54.932	-8.727	1.528	1.693	1277213.917	1107295.475	953.299	PIEDRA
	618	52	15	57	52.676	-8.643	1.528	1.693	1277214.247	1107298.209	953.383	PIEDRA
	619	52	3	23	52.478	-8.611	1.528	1.693	1277214.241	1107298.484	953.415	PIEDRA
	620	51	51	16	52.646	-8.602	1.528	1.693	1277213.991	1107298.488	953.424	PIEDRA
	621	50	4	7	51.249	-8.526	1.528	1.693	1277213.797	1107300.618	953.500	PIEDRA
	622	50	17	21	50.954	-8.525	1.528	1.693	1277214.144	1107300.688	953.501	PIEDRA
	623	47	7	39	49.145	-8.359	1.528	1.693	1277213.542	1107303.934	953.667	PIEDRA
	624	46	57	0	49.597	-8.267	1.528	1.693	1277213.104	1107303.744	953.759	PIEDRA
	625	44	14	49	49.117	-8.254	1.528	1.693	1277211.952	1107305.824	953.772	PIEDRA
	626	44	13	57	48.750	-8.239	1.528	1.693	1277212.228	1107306.066	953.787	PIEDRA
	627	40	46	38	48.783	-7.997	1.528	1.693	1277210.411	1107308.378	954.029	PIEDRA
	628	40	46	11	49.193	-7.946	1.528	1.693	1277210.075	1107308.143	954.080	PIEDRA
	629	38	1	17	49.739	-7.784	1.528	1.693	1277208.283	1107309.792	954.242	PIEDRA
	630	37	50	43	49.569	-7.833	1.528	1.693	1277208.343	1107310.012	954.193	PIEDRA
	631	34	22	25	51.190	-7.573	1.528	1.693	1277205.378	1107311.787	954.453	PIEDRA
	632	31	55	30	49.664	-7.609	1.528	1.693	1277205.706	1107314.407	954.417	PIEDRA
	633	28	45	58	48.774	-7.570	1.528	1.693	1277205.347	1107317.240	954.456	PIEDRA
	634	25	5	56	49.016	-7.541	1.528	1.693	1277203.953	1107320.051	954.485	PIEDRA
	635	21	26	47	50.937	-7.530	1.528	1.693	1277201.130	1107322.473	954.496	PIEDRA
	636	20	10	3	52.514	-7.591	1.528	1.693	1277199.298	1107323.153	954.435	PIEDRA
	637	18	47	4	55.287	-8.202	1.528	1.693	1277196.287	1107323.719	953.824	PIEDRA
	638	22	3	5	57.096	-7.554	1.528	1.693	1277195.397	1107320.149	954.472	PIEDRA
	639	24	12	42	58.058	-7.550	1.528	1.693	1277195.160	1107317.787	954.476	PIEDRA
	640	14	7	9	56.408	-8.282	1.528	1.693	1277194.285	1107327.951	953.744	OV
	641	18	10	3	58.097	-9.228	1.528	1.693	1277193.413	1107323.656	952.798	OV
	642	22	0	36	60.075	-7.749	1.528	3.885	1277192.537	1107319.316	952.085	OV
	643	23	17	54	59.831	-7.840	1.528	3.885	1277193.179	1107318.106	951.994	OV
	644	19	10	3	68.780	-7.843	1.528	3.885	1277183.296	1107320.052	951.991	OV
	645	18	34	55	68.481	-9.984	1.528	1.693	1277183.417	1107320.805	952.042	OV
	646	18	19	28	67.688	-9.929	1.528	1.693	1277184.117	1107321.287	952.097	OV
	647	14	52	31	66.022	-9.115	1.528	1.693	1277184.938	1107325.564	952.911	OV
	648	11	22	25	64.647	-8.216	1.528	1.693	1277185.732	1107329.711	953.810	OV
	649	24	18	42	57.883	-7.426	1.528	1.693	1277195.359	1107317.749	954.600	PAR
	650	26	42	22	58.267	-5.279	1.528	3.885	1277195.850	1107315.342	954.555	PAR
	651	29	1	59	57.759	-7.157	1.528	1.693	1277197.235	1107313.369	954.869	PAR

	652	35	9	29	63.158	-7.585	1.528	1.693	1277195.381	1107305.162	954.441	PAR
	653	35	15	13	61.512	-7.538	1.528	1.693	1277196.855	1107305.901	954.488	PAR
	654	35	56	12	59.500	-7.538	1.528	1.693	1277198.954	1107306.305	954.488	PAR
	655	37	2	30	57.884	-7.544	1.528	1.693	1277200.923	1107306.184	954.482	PAR
	656	39	52	45	56.017	-7.673	1.528	1.693	1277204.036	1107304.862	954.353	PAR
	657	42	29	14	55.552	-7.840	1.528	1.693	1277205.911	1107303.088	954.186	PAR
	658	47	23	0	57.483	-8.325	1.528	1.693	1277207.533	1107298.148	953.701	PAR
	659	48	57	57	59.669	-8.666	1.528	1.693	1277207.047	1107295.473	953.360	PAR
	660	49	39	53	62.248	-8.958	1.528	1.693	1277205.722	1107293.138	953.068	PAR
	661	49	40	50	64.178	-9.258	1.528	1.693	1277204.363	1107291.768	952.768	PAR
	662	51	11	31	64.494	-9.243	1.528	1.693	1277205.350	1107290.353	952.783	PAR
	663	51	34	16	64.618	-9.080	1.528	1.693	1277205.574	1107289.969	952.946	PAR
	664	53	13	21	64.882	-9.446	1.528	1.693	1277206.770	1107288.511	952.580	PAR
	665	53	26	22	64.904	-9.505	1.528	1.693	1277206.939	1107288.332	952.521	PAR
	666	53	37	14	71.505	-9.863	1.528	1.693	1277202.731	1107283.241	952.163	PAR
	667	56	11	38	74.287	-9.836	1.528	1.693	1277203.446	1107279.005	952.190	PAR
	668	57	14	13	77.024	-9.839	1.528	1.693	1277202.833	1107276.003	952.187	PAR
	669	58	18	52	80.562	-10.001	1.528	1.693	1277201.874	1107272.290	952.025	PAR
	670	59	28	57	84.122	-7.825	1.528	3.885	1277201.134	1107268.424	952.009	PAR
	671	62	13	19	94.112	-9.992	1.528	1.693	1277199.059	1107257.766	952.034	PAR
	672	63	4	7	97.729	-10.012	1.528	1.693	1277198.322	1107253.952	952.014	PAR
	673	63	59	23	101.280	-9.845	1.528	1.693	1277197.834	1107250.088	952.181	PAR
	674	64	33	24	104.126	-9.856	1.528	1.693	1277197.255	1107247.122	952.170	PAR
	675	65	27	4	109.400	-9.844	1.528	1.693	1277196.064	1107241.721	952.182	PAR
	676	65	30	40	109.463	-10.194	1.528	1.693	1277196.133	1107241.610	951.832	CTA
	677	64	35	44	104.302	-10.204	1.528	1.693	1277197.227	1107246.935	951.822	CTA
	678	64	42	36	104.232	-10.197	1.528	1.693	1277197.442	1107246.890	951.829	CTA
	679	64	4	12	101.082	-10.202	1.528	1.693	1277198.058	1107250.185	951.824	CTA
	680	63	55	43	101.159	-10.209	1.528	1.693	1277197.804	1107250.247	951.817	CTA
	681	63	10	52	97.728	-10.180	1.528	1.693	1277198.486	1107253.852	951.846	CTA
	682	62	18	55	93.999	-10.321	1.528	1.693	1277199.249	1107257.779	951.705	CTA
	683	60	9	11	85.962	-8.075	1.528	3.885	1277200.889	1107266.347	951.759	CTA
	684	57	57	47	79.065	-10.187	1.528	1.693	1277202.380	1107273.781	951.839	CTA
	685	57	15	50	77.165	-10.187	1.528	1.693	1277202.775	1107275.870	951.839	CTA
	686	57	24	57	77.041	-10.171	1.528	1.693	1277203.013	1107275.843	951.855	CTA
	687	56	15	5	74.034	-10.180	1.528	1.693	1277203.663	1107279.156	951.846	CTA
	688	55	25	16	74.590	-10.165	1.528	1.693	1277202.476	1107279.405	951.861	CTA
	689	53	26	4	70.089	-10.100	1.528	1.693	1277203.496	1107284.455	951.926	CTA
	690	53	32	30	64.836	-9.812	1.528	1.693	1277207.071	1107288.306	952.214	CTA
	691	62	30	1	55.952	-9.862	1.528	1.693	1277219.934	1107289.712	952.164	PZ EMPAS
	692	61	52	14	63.713	-9.814	1.528	1.693	1277215.178	1107283.544	952.212	CT
	693	64	45	56	72.422	-9.945	1.528	1.693	1277213.535	1107274.329	952.081	CT
	694	60	51	31	64.197	-9.338	1.528	1.693	1277213.969	1107283.766	952.688	CT
	695	63	40	12	72.915	-9.814	1.528	1.693	1277212.089	1107274.616	952.212	CT
	696	57	33	29	65.940	-9.325	1.528	1.693	1277209.910	1107284.543	952.701	CT
	697	60	27	29	74.260	-9.693	1.528	1.693	1277207.896	1107275.728	952.333	CT
	698	54	14	58	68.238	-9.541	1.528	1.693	1277205.455	1107285.202	952.485	CT
	699	57	39	13	76.077	-9.856	1.528	1.693	1277203.851	1107276.415	952.170	CT
	700	58	16	30	58.863	-8.979	1.528	1.693	1277214.798	1107289.720	953.047	CT
	701	59	35	36	58.011	-9.691	1.528	1.693	1277216.386	1107289.618	952.335	CT
	702	56	30	32	52.266	-9.498	1.528	1.693	1277217.464	1107295.992	952.528	CT
	703	54	51	53	53.056	-8.695	1.528	1.693	1277215.794	1107296.338	953.331	CT
	704	48	27	30	48.178	-8.444	1.528	1.693	1277215.019	1107303.762	953.582	CT
	705	50	56	44	46.156	-9.191	1.528	1.693	1277217.896	1107303.730	952.835	CT
	706	49	54	28	47.180	-8.592	1.528	1.693	1277216.576	1107303.593	953.434	CT
	707	41	27	4	41.480	-8.903	1.528	1.693	1277216.622	1107312.256	953.123	CT
	708	41	0	40	42.656	-8.352	1.528	1.693	1277215.483	1107311.821	953.674	CT
	709	32	52	31	42.406	-7.940	1.528	1.693	1277212.499	1107317.072	954.086	CT
	710	40	14	22	47.351	-7.965	1.528	1.693	1277211.314	1107309.577	954.061	CT
	711	33	4	44	40.649	-8.638	1.528	1.693	1277214.120	1107317.767	953.388	CT
	712	24	47	36	47.811	-7.548	1.528	1.693	1277204.997	1107320.706	954.478	CT
	713	34	16	39	48.465	-7.665	1.528	1.693	1277207.712	1107313.196	954.361	CT
	714	23	2	6	44.657	-7.728	1.528	1.693	1277207.520	1107323.071	954.298	CT
	715	22	42	15	43.324	-8.229	1.528	1.693	1277208.710	1107323.722	953.797	CT
	716	19	53	23	50.418	-7.604	1.528	1.693	1277201.257	1107323.939	954.422	CT
	717	17	22	42	48.755	-7.777	1.528	1.693	1277202.359	1107326.443	954.249	CT
	718	14	11	8	51.952	-7.973	1.528	1.693	1277198.694	1107328.600	954.053	CT
	719	16	22	19	48.146	-8.105	1.528	1.693	1277202.780	1107327.401	953.921	CT
	720	15	23	11	52.708	-7.766	1.528	1.693	1277198.136	1107327.390	954.260	CT
	721	17	34	11	53.983	-7.879	1.528	1.693	1277197.292	1107325.144	954.147	CT
	722	9	31	6	59.730	-8.057	1.528	1.693	1277190.434	1107332.184	953.969	CT
	723	10	20	55	59.927	-7.961	1.528	1.693	1277190.313	1107331.303	954.065	CT

	724	11	49	53	60.396	-8.039	1.528	1.693	1277190.012	1107329.705	953.987	CT
	725	12	35	25	60.596	-8.250	1.528	1.693	1277189.915	1107328.885	953.776	CT
	726	15	36	58	54.814	-8.149	1.528	1.693	1277196.105	1107326.794	953.877	PZ-LUZ
	727	62	10	10	87.943	-10.205	1.528	1.693	1277202.329	1107262.998	951.821	CT
	728	63	14	25	92.038	-10.141	1.528	1.693	1277201.564	1107258.638	951.885	CT
	729	65	32	8	91.177	-10.249	1.528	1.693	1277205.161	1107257.512	951.777	CT
	730	64	54	22	87.188	-10.139	1.528	1.693	1277206.291	1107261.461	951.887	CT
	731	67	14	49	88.877	-10.289	1.528	1.693	1277208.623	1107258.244	951.737	CT
	732	68	9	13	94.379	-10.095	1.528	1.693	1277207.390	1107252.690	951.931	CT
	733	66	45	25	95.923	-10.137	1.528	1.693	1277204.620	1107252.392	951.889	CT
	734	65	10	41	97.189	-10.180	1.528	1.693	1277201.679	1107252.576	951.846	CT
	735	64	3	36	98.026	-10.353	1.528	1.693	1277199.613	1107252.816	951.673	CT
	736	65	27	14	103.784	-10.263	1.528	1.693	1277198.836	1107246.605	951.763	CT
	737	91	45	40	36.063	-7.964	1.528	1.693	1277247.954	1107300.908	954.062	CT
	738	66	52	50	102.575	-10.248	1.528	1.693	1277201.670	1107246.427	951.778	CT
	739	77	26	3	36.952	-8.159	1.528	1.693	1277238.839	1107301.681	953.867	CT
	740	69	18	40	101.317	-10.129	1.528	1.693	1277206.096	1107245.593	951.897	CT
	741	68	8	56	39.575	-8.521	1.528	1.693	1277232.116	1107301.599	953.505	CT
	742	69	47	9	106.077	-10.247	1.528	1.693	1277204.828	1107240.925	951.779	CT
	743	62	15	13	41.183	-9.238	1.528	1.693	1277227.714	1107302.267	952.788	CT
	744	67	24	15	106.871	-10.241	1.528	1.693	1277200.510	1107242.181	951.785	CT
	745	65	55	9	108.063	-10.296	1.528	1.693	1277197.493	1107242.453	951.730	CT
	746	67	9	59	50.369	-9.731	1.528	1.693	1277226.478	1107292.363	952.295	CT
	747	73	56	19	48.646	-8.620	1.528	1.693	1277232.514	1107291.511	953.406	CT
	748	69	14	23	107.588	-11.529	1.528	1.693	1277203.259	1107239.999	950.497	CT
	749	82	38	17	48.445	-8.614	1.528	1.693	1277239.625	1107289.588	953.412	CT
	750	71	5	31	107.306	-11.547	1.528	1.693	1277206.530	1107238.798	950.479	CT
	751	90	13	21	48.687	-8.520	1.528	1.693	1277245.942	1107288.395	953.506	CT
	752	72	16	34	113.708	-11.662	1.528	1.693	1277206.096	1107232.015	950.364	CT
	753	70	20	59	115.909	-11.463	1.528	1.693	1277201.678	1107231.548	950.563	CT
	754	88	48	7	58.436	-9.078	1.528	1.693	1277243.692	1107278.817	952.948	CT
	755	79	50	8	57.564	-8.988	1.528	1.693	1277234.942	1107281.349	953.038	CT
	756	70	3	2	121.015	-11.796	1.528	1.693	1277198.976	1107227.171	950.230	CT
	757	69	59	9	124.277	-12.300	1.528	1.693	1277197.474	1107224.272	949.726	CT
	758	72	49	47	58.319	-8.862	1.528	1.693	1277227.992	1107282.898	953.164	CT
	759	71	41	1	126.150	-12.592	1.528	1.693	1277200.094	1107221.046	949.434	CT
	760	70	13	12	59.678	-10.005	1.528	1.693	1277224.986	1107282.721	952.021	CT
	761	73	13	13	129.254	-13.020	1.528	1.693	1277202.069	1107216.867	949.006	CT
	762	72	40	43	70.022	-10.339	1.528	1.693	1277223.409	1107272.128	951.687	CT
	763	74	41	34	69.605	-9.701	1.528	1.693	1277225.847	1107271.626	952.325	CT
	764	75	37	6	131.919	-13.836	1.528	1.693	1277206.250	1107212.453	948.190	CT
	765	81	34	49	69.905	-10.077	1.528	1.693	1277233.781	1107268.911	951.949	CT
	766	87	48	19	70.610	-10.209	1.528	1.693	1277241.163	1107266.857	951.817	CT
	767	74	44	51	127.197	-12.971	1.528	1.693	1277205.996	1107217.563	949.055	CT
	768	87	18	55	77.692	-11.120	1.528	1.693	1277239.620	1107259.916	950.906	CT
	769	82	50	15	77.845	-10.882	1.528	1.693	1277233.608	1107260.810	951.144	CT
	770	73	48	28	121.787	-12.447	1.528	1.693	1277205.998	1107223.345	949.579	CT
	771	78	26	41	77.944	-10.515	1.528	1.693	1277227.799	1107262.192	951.511	CT
	772	74	1	46	78.379	-10.553	1.528	1.693	1277221.956	1107263.715	951.473	CT
	773	71	52	44	120.742	-12.036	1.528	1.693	1277202.611	1107225.851	949.990	CT
	774	74	42	28	87.257	-11.132	1.528	1.693	1277219.749	1107255.060	950.894	CT
	775	72	59	10	117.164	-11.811	1.528	1.693	1277206.105	1107228.274	950.215	CT
	776	78	44	30	87.215	-11.475	1.528	1.693	1277225.594	1107253.177	950.551	CT
	777	82	20	20	87.164	-11.683	1.528	1.693	1277230.907	1107251.862	950.343	CT
	778	86	32	19	87.878	-11.935	1.528	1.693	1277237.082	1107249.988	950.091	CT
	779	76	12	4	132.204	-16.377	1.528	1.693	1277207.427	1107211.745	945.649	CT
	780	77	24	46	131.460	-16.167	1.528	1.693	1277210.307	1107211.583	945.859	CT
	781	87	0	40	97.823	-13.134	1.528	1.693	1277236.422	1107240.035	948.892	CT
	782	76	20	44	125.622	-15.212	1.528	1.693	1277209.845	1107217.875	946.814	CT
	783	83	35	43	98.081	-13.197	1.528	1.693	1277230.623	1107240.762	948.829	CT
	784	75	24	5	126.286	-14.933	1.528	1.693	1277207.666	1107217.927	947.093	CT
	785	80	3	26	99.377	-13.075	1.528	1.693	1277224.392	1107240.887	948.951	CT
	786	74	13	42	117.230	-14.070	1.528	1.693	1277208.448	1107227.287	947.956	CT
	787	76	48	16	100.634	-12.903	1.528	1.693	1277218.593	1107241.299	949.123	CT
	788	72	35	49	107.961	-12.923	1.528	1.693	1277208.872	1107237.085	949.103	CT
	789	78	6	52	109.464	-14.176	1.528	1.693	1277218.225	1107232.157	947.850	CT
	790	71	47	48	108.696	-12.356	1.528	1.693	1277207.193	1107236.993	949.670	CT
	791	81	20	13	108.164	-14.450	1.528	1.693	1277224.471	1107231.801	947.576	CT
	792	70	58	1	101.737	-11.997	1.528	1.693	1277208.582	1107243.980	950.029	CT
	793	84	15	59	107.414	-14.536	1.528	1.693	1277230.016	1107231.372	947.490	CT
	794	69	49	41	102.340	-10.873	1.528	1.693	1277206.486	1107244.275	951.153	CT
	795	86	55	27	107.377	-14.227	1.528	1.693	1277234.936	1107230.596	947.799	CT

	796	69	27	4	95.154	-10.982	1.528	1.693	1277208.974	1107251.048	951.044	CT
	797	68	26	0	90.272	-10.533	1.528	1.693	1277209.637	1107256.157	951.493	CT
	798	86	41	16	115.958	-15.237	1.528	1.693	1277233.261	1107222.168	946.789	CT
	799	83	19	7	116.426	-15.568	1.528	1.693	1277226.452	1107222.890	946.458	CT
	800	79	59	24	118.648	-15.449	1.528	1.693	1277219.296	1107222.302	946.577	CT
	801	81	25	52	124.838	-16.518	1.528	1.693	1277220.739	1107215.549	945.508	CT
	802	82	58	51	123.473	-16.585	1.528	1.693	1277224.315	1107216.138	945.441	CT
	803	85	10	51	122.902	-16.726	1.528	1.693	1277229.068	1107215.804	945.300	CT
	804	86	48	41	122.328	-16.091	1.528	1.693	1277232.604	1107215.826	945.935	CT
	805	85	43	30	131.496	-17.818	1.528	1.693	1277228.837	1107207.129	944.208	CT
	806	84	38	41	131.269	-18.105	1.528	1.693	1277226.435	1107207.774	943.921	CT
	807	83	21	59	132.240	-17.909	1.528	1.693	1277223.364	1107207.380	944.117	CT
	808	88	5	37	86.788	-11.192	1.528	1.693	1277239.577	1107250.752	950.834	CT
	809	84	6	29	135.869	-18.282	1.528	1.693	1277224.359	1107203.482	943.744	CT
	810	88	47	0	91.160	-10.852	1.528	1.693	1277240.143	1107246.286	951.174	CT
	811	85	25	59	133.678	-18.043	1.528	1.693	1277227.815	1107205.086	943.983	CT
	812	88	51	45	100.620	-11.320	1.528	1.693	1277239.261	1107236.867	950.706	CT
	813	85	26	55	135.956	-18.384	1.528	1.693	1277227.473	1107202.834	943.642	CT
	814	88	52	20	109.945	-11.680	1.528	1.693	1277238.286	1107227.593	950.346	CT
	815	85	38	8	140.611	-18.898	1.528	1.693	1277227.155	1107198.168	943.128	CT
	816	88	57	50	120.070	-12.084	1.528	1.693	1277237.401	1107217.505	949.942	CT
	817	84	37	25	136.700	-18.480	1.528	1.693	1277225.411	1107202.440	943.546	CT
	818	88	26	7	128.052	-12.410	1.528	1.693	1277235.390	1107209.696	949.616	CT
	819	86	57	27	133.363	-12.729	1.528	1.693	1277231.373	1107204.855	949.297	CT
	820	87	50	52	141.779	-13.213	1.528	1.693	1277232.383	1107196.231	948.813	CT
	821	89	15	33	145.639	-13.205	1.528	1.693	1277235.469	1107192.000	948.821	CT
	822	91	51	51	84.708	-11.045	1.528	1.693	1277245.378	1107252.331	950.981	CT
	823	96	25	30	85.687	-10.906	1.528	1.693	1277252.143	1107251.255	951.120	CT
	824	96	33	58	85.557	-10.708	1.528	1.693	1277252.351	1107251.390	951.318	CT
	825	98	59	25	86.455	-9.732	1.528	1.693	1277256.029	1107250.672	952.294	CT
	826	102	6	13	76.782	-9.441	1.528	1.693	1277259.504	1107260.726	952.585	CT
	827	97	22	54	74.007	-9.615	1.528	1.693	1277253.083	1107262.973	952.411	CT
	828	91	54	56	71.782	-10.070	1.528	1.693	1277246.144	1107265.235	951.956	CT
	829	91	38	4	148.487	-11.773	1.528	1.693	1277241.322	1107188.680	950.253	CT
	830	94	43	26	60.458	-8.991	1.528	1.693	1277249.711	1107276.457	953.035	CT
	831	93	50	22	153.341	-11.629	1.528	1.693	1277246.935	1107183.604	950.397	CT
	832	100	20	50	62.165	-8.866	1.528	1.693	1277255.796	1107275.022	953.160	CT
	833	106	5	38	65.312	-8.630	1.528	1.693	1277262.571	1107272.828	953.396	CT
	834	96	6	12	158.050	-11.749	1.528	1.693	1277253.086	1107178.895	950.277	CT
	835	111	38	1	56.215	-7.908	1.528	1.693	1277266.091	1107283.059	954.118	CT
	836	104	36	24	52.655	-8.310	1.528	1.693	1277258.786	1107285.002	953.716	CT
	837	98	11	45	163.490	-11.657	1.528	1.693	1277259.159	1107173.683	950.369	CT
	838	96	35	4	50.165	-8.419	1.528	1.693	1277251.385	1107286.769	953.607	CT
	839	99	44	0	168.125	-12.238	1.528	1.693	1277263.920	1107169.369	949.788	CT
	840	102	3	22	38.224	-7.945	1.528	1.693	1277254.688	1107298.982	954.081	CT
	841	111	54	4	41.540	-7.799	1.528	1.693	1277262.070	1107297.174	954.227	CT
	842	118	54	43	46.571	-7.570	1.528	1.693	1277268.871	1107294.349	954.456	CT
	843	119	7	1	51.375	-5.947	1.528	1.693	1277270.988	1107290.033	956.079	CT
	844	123	19	55	54.903	-3.266	1.528	1.693	1277276.053	1107288.599	958.760	CT
	845	117	42	15	59.465	-4.053	1.528	1.693	1277272.951	1107282.067	957.973	CT
	846	99	53	26	163.437	-11.675	1.528	1.693	1277263.978	1107174.078	950.351	MALLA
	847	101	9	50	157.368	-11.676	1.528	1.693	1277266.939	1107180.463	950.350	MALLA
	848	98	35	6	153.348	-11.722	1.528	1.693	1277259.629	1107183.871	950.304	MALLA
	849	97	22	6	159.552	-11.796	1.528	1.693	1277256.637	1107177.502	950.230	MALLA
	850	117	43	9	59.459	-4.092	1.528	1.693	1277272.964	1107282.079	957.934	CT
	851	97	12	56	152.677	-11.619	1.528	1.693	1277255.943	1107184.354	950.407	CT
	852	113	59	4	57.963	-6.313	1.528	1.693	1277268.856	1107282.112	955.713	CT
	853	94	36	26	152.164	-11.428	1.528	1.693	1277248.997	1107184.754	950.598	CT
	854	109	40	56	66.144	-6.435	1.528	1.693	1277266.768	1107272.937	955.591	CT
	855	91	36	37	145.997	-11.778	1.528	1.693	1277241.405	1107191.169	950.248	CT
	856	112	9	24	68.132	-4.575	1.528	1.693	1277270.102	1107271.823	957.451	CT
	857	94	9	48	146.570	-11.558	1.528	1.693	1277247.898	1107190.359	950.468	CT
	858	108	3	30	76.943	-4.885	1.528	1.693	1277267.393	1107261.969	957.141	CT
	859	97	22	47	147.789	-11.649	1.528	1.693	1277256.175	1107189.256	950.377	CT
	860	105	45	40	75.517	-6.953	1.528	1.693	1277264.108	1107262.731	955.073	CT
	861	97	52	49	147.952	-11.930	1.528	1.693	1277257.473	1107189.153	950.096	CT
	862	104	22	55	84.009	-5.767	1.528	1.693	1277263.706	1107254.035	956.259	CT
	863	100	15	18	149.315	-11.947	1.528	1.693	1277263.714	1107188.233	950.079	CT
	864	102	29	21	82.503	-7.718	1.528	1.693	1277260.764	1107255.120	954.308	CT
	865	101	52	27	151.034	-11.910	1.528	1.693	1277268.117	1107186.974	950.116	CT
	866	101	49	7	156.842	-11.914	1.528	1.693	1277268.663	1107181.190	950.112	CT
	867	101	2	19	87.763	-7.527	1.528	1.693	1277259.246	1107249.642	954.499	CT

	868	101	6	22	161.541	-11.882	1.528	1.693	1277267.227	1107176.297	950.144	CT
	869	103	22	16	87.744	-5.667	1.528	1.693	1277262.787	1107250.111	956.359	CT
	870	100	18	19	166.352	-12.411	1.528	1.693	1277265.427	1107171.282	949.615	CT
	871	105	43	29	89.512	-5.552	1.528	1.693	1277266.671	1107248.973	956.474	CT
	872	108	30	8	92.570	-5.056	1.528	1.693	1277271.628	1107246.912	956.970	CT
	873	100	38	15	142.470	-11.820	1.528	1.693	1277264.031	1107195.139	950.206	CT
	874	110	23	40	95.713	-4.649	1.528	1.693	1277275.423	1107244.646	957.377	CT
	875	97	31	39	140.226	-11.660	1.528	1.693	1277256.219	1107196.828	950.366	CT
	876	109	40	28	100.847	-5.153	1.528	1.693	1277275.565	1107239.368	956.873	CT
	877	94	20	1	139.403	-11.579	1.528	1.693	1277248.414	1107197.520	950.447	CT
	878	107	35	23	99.564	-5.708	1.528	1.693	1277271.719	1107239.754	956.318	CT
	879	91	17	29	138.093	-11.932	1.528	1.693	1277241.102	1107199.107	950.094	CT
	880	88	55	0	137.956	-12.592	1.528	1.693	1277235.414	1107199.729	949.434	CT
	881	106	28	6	97.327	-5.564	1.528	1.693	1277269.368	1107241.539	956.462	CT
	882	89	59	15	129.356	-12.022	1.528	1.693	1277238.728	1107208.049	950.004	CT
	883	104	38	8	92.947	-6.016	1.528	1.693	1277265.573	1107245.285	956.010	CT
	884	92	47	52	129.374	-11.637	1.528	1.693	1277245.059	1107207.634	950.389	CT
	885	101	31	6	89.997	-6.903	1.528	1.693	1277260.231	1107247.504	955.123	CT
	886	96	13	39	130.045	-11.594	1.528	1.693	1277252.817	1107206.901	950.432	CT
	887	99	35	50	130.542	-11.712	1.528	1.693	1277260.494	1107206.797	950.314	CT
	888	100	42	27	130.932	-11.757	1.528	1.693	1277263.052	1107206.637	950.269	CT
	889	104	41	50	96.761	-6.561	1.528	1.693	1277266.315	1107241.543	955.465	CT
	890	100	4	22	122.008	-11.626	1.528	1.693	1277260.816	1107215.389	950.400	CT
	891	97	0	23	121.537	-11.647	1.528	1.693	1277254.283	1107215.454	950.379	CT
	892	93	31	0	122.064	-11.642	1.528	1.693	1277246.868	1107214.890	950.384	CT
	893	90	38	53	122.151	-11.774	1.528	1.693	1277240.758	1107215.112	950.252	CT
	894	105	25	46	103.017	-6.512	1.528	2.700	1277268.668	1107235.607	954.507	CT
	895	108	32	3	83.600	-5.101	1.528	1.693	1277269.575	1107255.644	956.925	CT
	896	90	34	40	112.599	-11.688	1.528	1.693	1277241.342	1107224.647	950.338	CT
	897	108	31	50	83.568	-5.105	1.528	1.693	1277269.563	1107255.674	956.921	CT
	898	93	45	23	111.933	-11.545	1.528	1.693	1277247.594	1107225.007	950.481	CT
	899	112	40	42	86.536	-4.809	1.528	1.693	1277276.290	1107254.476	957.217	CT
	900	97	30	5	111.641	-11.519	1.528	1.693	1277254.896	1107225.382	950.507	CT
	901	117	6	28	92.421	-3.894	1.528	1.693	1277284.795	1107251.303	958.132	CT
	902	100	2	46	111.133	-11.449	1.528	1.693	1277259.798	1107226.216	950.577	CT
	903	119	47	28	87.885	-3.978	1.528	1.693	1277286.861	1107257.144	958.048	CT
	904	100	6	5	104.251	-11.288	1.528	1.693	1277259.290	1107233.080	950.738	CT
	905	117	13	40	84.209	-4.396	1.528	1.693	1277281.865	1107258.977	957.630	CT
	906	96	25	9	103.636	-11.291	1.528	1.693	1277252.587	1107233.311	950.735	CT
	907	114	10	36	80.224	-4.441	1.528	1.693	1277276.360	1107261.153	957.585	CT
	908	93	40	58	103.852	-11.303	1.528	1.693	1277247.633	1107233.089	950.723	CT
	909	111	6	34	77.722	-4.662	1.528	1.693	1277271.574	1107262.253	957.364	CT
	910	90	30	31	104.376	-11.307	1.528	1.693	1277241.847	1107232.856	950.719	CT
	911	114	6	18	71.200	-4.251	1.528	1.693	1277273.309	1107269.646	957.775	CT
	912	90	26	23	95.872	-10.967	1.528	1.693	1277242.394	1107241.343	951.059	CT
	913	117	8	0	75.454	-4.134	1.528	1.693	1277278.434	1107267.033	957.892	CT
	914	94	37	7	94.310	-10.995	1.528	1.693	1277249.388	1107242.606	951.031	CT
	915	120	1	36	77.705	-3.911	1.528	1.693	1277282.878	1107266.519	958.115	CT
	916	99	19	50	92.310	-10.928	1.528	1.693	1277256.986	1107244.871	951.098	CT
	917	122	27	15	79.356	-3.369	1.528	1.693	1277286.592	1107266.511	958.657	CT
	918	96	35	13	86.078	-11.025	1.528	1.693	1277252.396	1107250.871	951.001	CT
	919	98	45	20	86.836	-9.769	1.528	1.693	1277255.701	1107250.267	952.257	CT
	920	120	21	46	65.472	-3.773	1.528	1.693	1277278.046	1107277.765	958.253	CT
	921	93	17	27	85.571	-11.041	1.528	1.693	1277247.460	1107251.381	950.985	CT
	922	123	51	40	68.823	-3.439	1.528	1.693	1277283.222	1107276.654	958.587	CT
	923	89	42	34	86.005	-10.913	1.528	1.693	1277242.082	1107251.273	951.113	CT
	924	126	15	2	70.434	-2.978	1.528	1.693	1277286.542	1107276.715	959.048	CT
	925	124	24	51	58.102	-3.192	1.528	1.693	1277278.533	1107286.314	958.834	CT
	926	127	15	22	61.329	-3.209	1.528	1.693	1277282.730	1107285.064	958.817	CT
	927	129	55	37	65.388	-2.581	1.528	1.693	1277287.436	1107283.320	959.445	CT
	928	132	23	4	67.959	-0.040	1.528	1.693	1277291.261	1107282.933	961.986	CT
	929	129	57	24	72.603	0.811	1.528	1.693	1277291.600	1107277.428	962.837	CT
	930	112	53	1	101.688	0.398	1.528	1.693	1277281.244	1107240.153	962.424	CT
	931	113	18	20	100.395	0.550	1.528	1.693	1277281.549	1107241.613	962.576	CT
	932	127	38	35	77.444	1.121	1.528	1.693	1277291.778	1107271.721	963.147	CT
	933	116	24	39	99.078	0.978	1.528	1.693	1277286.184	1107244.689	963.004	CT
	934	119	57	9	97.496	1.704	1.528	1.693	1277291.144	1107248.536	963.730	CT
	935	125	34	40	81.688	1.009	1.528	1.693	1277291.561	1107266.604	963.035	CT
	936	123	50	32	92.975	2.772	1.528	1.693	1277294.862	1107255.492	964.798	CT
	937	123	15	55	89.078	0.270	1.528	1.693	1277292.193	1107258.475	962.296	CT
	938	127	20	40	84.906	4.394	1.528	1.693	1277295.432	1107265.201	966.420	CT
	939	120	3	49	94.359	-0.829	1.528	1.693	1277289.985	1107251.457	961.197	CT

	940	129	15	1	80.994	4.800	1.528	1.693	1277295.589	1107269.985	966.826	CT
	941	116	21	14	96.416	-1.351	1.528	1.693	1277285.122	1107247.132	960.675	CT
	942	111	56	56	99.385	-1.673	1.528	1.693	1277278.989	1107241.858	960.353	CT
	943	111	15	35	101.740	-2.751	1.528	1.693	1277278.504	1107239.256	959.275	CT
	944	128	50	59	84.028	4.661	1.528	1.693	1277296.811	1107267.149	966.687	MALLA
	945	129	44	15	85.233	5.958	1.528	3.885	1277298.573	1107266.893	965.792	MALLA
	946	126	12	29	92.774	3.137	1.528	1.693	1277298.080	1107257.586	965.163	MALLA
	947	122	52	2	101.465	1.658	1.528	3.885	1277297.441	1107247.236	961.492	MALLA
	948	112	59	5	103.444	0.058	1.528	1.693	1277281.958	1107238.538	962.084	MALLA
	949	108	44	32	106.048	-5.645	1.528	3.885	1277275.212	1107233.913	954.189	MALLA
	D4	89	37	2	144.402	-12.498	1.528	1.693	1277236.491	1107193.144	949.528	D4
D4					144.402	12.855						
	D400	76	46	48	124.530	8.937	1.485	1.693	1277118.450	1107232.820	958.257	D400
D400					124.531	-8.590						
	D5	350	33	7	172.292	-18.204	1.538	1.693	1277270.537	1107151.863	939.898	D5
	D1	112	3	0	59.623	-1.333	1.538	1.693	1277114.840	1107292.334	956.769	D1
D1					59.623	1.604						
	D2	150	59	33								D2

ERROR ANGULO =00 00 43

D N-S=0.015 D E-W=0.010

Error Total= 0.018

Long. Poligonal=498 m
Cierre 1 : 27355

	D400											D400
D5					172.297	18.477			1277270.537	1107151.863	939.898	D5
	D6	163	14	12	44.946	-11.723	1.572	1.693	1277302.435	1107120.197	928.054	D6
D6					44.948	11.960						
	950	359	20	19	43.464	10.791	1.573	0.500	1277271.944	1107151.172	939.918	MALLA
	951	357	53	33	35.802	8.072	1.573	1.693	1277277.971	1107146.338	936.006	MALLA
	952	352	3	33	28.930	3.215	1.573	1.693	1277284.916	1107143.220	931.149	MALLA
	953	351	12	39	26.385	1.709	1.573	1.693	1277286.770	1107141.429	929.643	MALLA
	954	338	26	1	24.159	1.440	1.573	1.693	1277292.746	1107142.329	929.374	MALLA
	955	331	28	19	23.162	1.298	1.573	1.693	1277295.786	1107142.385	929.232	MALLA
	956	300	2	16	21.630	0.673	1.573	1.693	1277307.943	1107141.114	928.607	MALLA
	957	284	33	11	22.708	0.475	1.573	1.693	1277313.870	1107139.816	928.409	MALLA
	958	278	29	59	23.776	1.945	1.573	1.693	1277316.507	1107139.362	929.879	MALLA
	959	277	22	39	24.213	2.067	1.573	1.693	1277317.146	1107139.429	930.001	PAR
	960	270	1	20	23.048	0.075	1.573	1.693	1277318.666	1107136.561	928.009	PAR
	961	252	40	27	22.000	-0.041	1.573	1.693	1277321.881	1107130.487	927.893	PAR
	962	242	21	13	20.871	-0.402	1.573	1.693	1277322.333	1107126.496	927.532	OV
	963	260	39	59	20.558	-0.197	1.573	1.693	1277319.093	1107132.245	927.737	OV
	964	272	41	3	21.109	-0.030	1.573	1.693	1277316.589	1107135.858	927.904	OV
	965	283	34	22	21.212	0.222	1.573	1.693	1277313.429	1107138.338	928.156	OV
	966	296	29	35	20.618	0.552	1.573	1.693	1277308.908	1107139.773	928.486	OV
	967	318	18	36	20.569	0.935	1.573	1.693	1277301.172	1107140.728	928.869	OV
	968	327	37	3	21.404	1.035	1.573	1.693	1277297.683	1107141.067	928.969	OV
	969	338	31	24	22.970	1.283	1.573	1.693	1277293.190	1107141.225	929.217	OV
	970	349	19	56	24.230	1.401	1.573	1.693	1277288.696	1107140.156	929.335	OV
	971	358	32	24	24.950	1.437	1.573	1.693	1277285.182	1107138.221	929.371	OV
	972	6	0	29	25.557	1.446	1.573	1.693	1277282.512	1107136.205	929.380	OV
	973	26	28	3	28.040	1.608	1.573	1.693	1277275.817	1107129.012	929.542	OV
	974	35	2	46	30.454	1.754	1.573	1.693	1277272.420	1107125.352	929.688	OV
	975	41	4	40	33.660	1.937	1.573	1.693	1277268.846	1107122.377	929.871	OV
	976	45	10	18	24.054	1.519	1.573	1.693	1277278.382	1107120.037	929.453	OV
	977	42	59	6	23.506	1.524	1.573	1.693	1277278.941	1107120.938	929.458	OV
	978	26	14	9	19.761	1.282	1.573	1.693	1277283.701	1107126.486	929.216	OV
	979	7	51	35	17.588	1.078	1.573	1.693	1277288.376	1107130.765	929.012	OV
	980	354	24	29	15.962	0.911	1.573	1.693	1277292.257	1107132.493	928.845	OV
	981	335	52	21	14.155	0.735	1.573	1.693	1277297.343	1107133.405	928.669	OV
	982	316	27	28	13.102	0.490	1.573	1.693	1277302.054	1107133.294	928.424	OV
	983	297	54	58	11.774	0.237	1.573	1.693	1277305.853	1107131.465	928.171	OV
	984	275	40	26	9.741	-0.055	1.573	1.693	1277308.581	1107127.755	927.879	OV
	985	254	5	2	7.753	-0.259	1.573	1.693	1277309.197	1107123.991	927.675	OV
	986	223	3	33	5.651	-0.399	1.573	1.693	1277308.083	1107120.027	927.535	OV
	987	199	55	44	4.721	-0.419	1.573	1.693	1277306.718	1107118.213	927.515	OV
	988	175	53	52	4.296	-0.339	1.573	1.693	1277305.259	1107116.961	927.595	OV
	989	138	16	42	4.421	-0.168	1.573	1.693	1277302.704	1107115.785	927.766	OV
	990	82	19	23	9.490	0.185	1.573	1.693	1277294.909	1107114.416	928.119	OV

	991	66	57	52	20.053	0.751	1.573	1.693	1277283.865	1107112.629	928.685	OV
	992	62	21	46	22.717	0.996	1.573	1.693	1277280.778	1107113.339	928.930	OV
	993	59	18	24	23.630	1.117	1.573	1.693	1277279.559	1107114.274	929.051	OV
	994	9	1	33	13.029	0.879	1.573	1.693	1277291.863	1107127.812	928.813	OV
	995	26	1	14	13.732	0.976	1.573	1.693	1277289.433	1107124.616	928.910	OV
	996	51	13	33	17.983	1.103	1.573	1.693	1277284.565	1107118.182	929.037	OV
	997	59	11	56	20.898	1.140	1.573	1.693	1277282.194	1107114.997	929.074	OV
	998	45	18	44	20.247	1.355	1.573	1.693	1277282.189	1107120.013	929.289	OV
	999	127	0	27	15.032	0.054	1.573	1.693	1277300.399	1107105.304	927.988	OV
	1000	150	50	42	12.755	-0.181	1.573	1.693	1277305.962	1107107.940	927.753	OV
	1001	177	41	28	15.347	-0.460	1.573	1.693	1277312.882	1107108.955	927.474	OV
	1002	203	48	28	12.035	-0.313	1.573	1.693	1277313.672	1107115.888	927.621	OV
	1003	204	22	57	11.335	-0.294	1.573	1.693	1277313.059	1107116.245	927.640	OV
	1004	208	50	35	11.223	-0.291	1.573	1.693	1277313.226	1107117.114	927.643	OV
	1005	220	34	17	11.873	-0.209	1.573	1.693	1277314.276	1107119.324	927.725	OV
	1006	238	3	8	13.003	-0.213	1.573	1.693	1277315.091	1107123.180	927.721	OV
	1007	240	22	27	13.741	-0.278	1.573	1.693	1277315.671	1107123.889	927.656	OV
	1008	238	10	31	14.250	-0.345	1.573	1.693	1277316.298	1107123.496	927.589	OV

	400				59.62				1277118.451	1107232.820	958.287	D400
D1									1277114.827	1107292.333	958.257	D1
	D1A	72	28	1	24.77	-0.780	1.614	1.693	1277138.854	1107286.320	955.945	D1A
D1A					24.76	1.021						
	D1B	88	20	52	42.74	-3.961	1.526	1.693	1277127.287	1107245.172	951.817	D1B
D1B					42.73	4.309						
	1009	271	14	45	51.85	0.190	1.518	1.693	1277177.496	1107232.229	951.832	PAR
	1010	271	26	16	50.08	0.184	1.518	1.693	1277175.821	1107232.834	951.826	PAR
	1011	272	45	8	48.47	0.178	1.518	1.693	1277174.521	1107234.311	951.820	PAR
	1012	274	57	48	47.79	0.177	1.518	1.693	1277174.241	1107236.268	951.819	PAR
	1013	275	4	22	38.92	0.170	1.518	1.693	1277165.537	1107237.994	951.812	PAR
	1014	277	50	43	7.29	0.549	1.518	1.693	1277134.511	1107244.175	952.191	PAR
	1015	323	9	48	10.20	0.413	1.518	1.693	1277135.386	1107251.379	952.055	PAR
	1016	330	1	49	11.90	0.403	1.518	1.693	1277135.798	1107253.487	952.045	PAR
	1017	332	53	35	11.97	0.460	1.518	1.693	1277135.423	1107253.957	952.102	PAR
	1018	356	44	37	41.94	0.968	1.518	1.693	1277140.910	1107284.833	952.610	PAR
	1019	16	19	50	42.41	1.434	1.518	1.693	1277126.821	1107287.575	953.076	PAR
	1020	60	36	16	8.19	0.826	1.518	1.693	1277121.508	1107250.970	952.468	PAR
	1021	89	17	8	1.88	0.240	1.518	1.693	1277125.485	1107245.703	951.882	PAR
	1022	194	36	21	1.28	0.097	1.518	1.693	1277127.262	1107243.893	951.739	PAR
	1023	213	43	46	1.65	0.059	1.518	1.693	1277127.796	1107243.607	951.701	PAR
	1024	267	44	19	14.54	-0.431	1.518	1.693	1277141.116	1107240.689	951.211	PAR
	1025	270	28	51	26.61	-0.982	1.518	1.693	1277152.963	1107238.186	950.660	PAR
	1026	271	32	55	41.21	-1.978	1.518	3.885	1277167.250	1107235.095	947.472	PAR
	1027	269	38	35	3.67	0.020	1.518	1.693	1277130.813	1107244.157	951.662	CAJ
	1028	282	49	27	3.79	0.019	1.518	1.693	1277131.072	1107244.982	951.661	CAJ
	1029	285	51	48	2.95	0.019	1.518	1.693	1277130.241	1107245.180	951.661	CAJ
	1030	316	3	56	8.06	0.439	1.518	1.693	1277134.238	1107249.244	952.081	ANDEN
	1031	345	10	48	5.43	0.422	1.518	1.693	1277130.045	1107249.851	952.064	ANDEN
	1032	349	4	52	5.47	0.430	1.518	1.693	1277129.736	1107250.059	952.072	ANDEN
	1033	351	44	23	5.75	0.435	1.518	1.693	1277129.623	1107250.430	952.077	ANDEN
	1034	0	36	14	15.64	0.653	1.518	1.693	1277131.361	1107260.274	952.295	ANDEN
	1035	3	27	3	36.23	0.900	1.518	1.693	1277134.974	1107280.576	952.542	ANDEN
	1036	15	15	33	36.68	0.913	1.518	1.693	1277127.570	1107281.847	952.555	ANDEN
	1037	14	8	42	41.59	1.090	1.518	1.693	1277128.416	1107286.749	952.732	ANDEN
	1038	359	55	12	38.80	0.872	1.518	1.693	1277137.838	1107282.507	952.514	CT
	1039	10	35	25	38.78	0.958	1.518	1.693	1277130.741	1107283.797	952.600	CT
	1040	358	52	11	32.98	0.808	1.518	1.693	1277136.837	1107276.740	952.450	CT
	1041	11	0	49	33.55	1.031	1.518	1.693	1277130.028	1107278.605	952.673	CT
	1042	357	42	44	27.93	0.732	1.518	1.693	1277135.914	1107271.741	952.374	CT
	1043	11	47	31	27.87	0.947	1.518	1.693	1277129.187	1107272.978	952.589	CT
	1044	355	58	8	22.95	0.672	1.518	1.693	1277135.034	1107266.773	952.314	CT
	1045	12	46	41	22.83	0.841	1.518	1.693	1277128.451	1107267.974	952.483	CT
	1046	353	19	21	18.09	0.612	1.518	1.693	1277134.172	1107261.895	952.254	CT
	1047	15	20	18	18.33	0.729	1.518	1.693	1277127.403	1107263.498	952.371	CT
	1048	348	44	3	13.22	0.551	1.518	1.693	1277133.279	1107256.950	952.193	CT
	1049	18	42	23	13.58	0.505	1.518	1.693	1277126.575	1107258.734	952.147	CT
	1050	338	45	58	8.58	0.474	1.518	1.693	1277132.442	1107252.029	952.116	CT
	1051	33	32	21	14.86	0.742	1.518	1.693	1277122.735	1107259.318	952.384	CT
	1052	312	6	10	4.27	0.284	1.518	1.693	1277131.108	1107247.069	951.926	CT
	1053	24	29	44	22.10	0.927	1.518	1.693	1277123.908	1107267.011	952.569	CT
	1054	270	52	53	6.61	-0.301	1.518	1.693	1277133.675	1107243.482	951.341	CT
	1055	20	4	28	29.68	0.928	1.518	1.693	1277125.023	1107274.770	952.570	CT

	1056	272	52	26	14.89	-0.467	1.518	1.693	1277141.807	1107241.866	951.175	CT
	1057	273	32	7	24.35	-0.508	1.518	1.693	1277151.089	1107240.041	951.134	CT
	1058	30	49	1	8.79	0.566	1.518	1.693	1277124.995	1107253.655	952.208	CT
	1059	273	40	59	32.41	-0.583	1.518	1.693	1277158.982	1107238.424	951.059	CT
	1060	274	1	58	39.04	-0.326	1.518	1.693	1277165.521	1107237.276	951.316	CT
	1061	274	9	41	47.55	0.011	1.518	1.693	1277173.876	1107235.660	951.653	CT
	1062	272	28	55	33.86	-1.700	1.518	1.693	1277160.245	1107237.430	949.942	CT
	1063	272	23	17	44.37	-1.264	1.518	1.693	1277170.466	1107234.954	950.378	PZ EMPAS
	1064	274	5	6	43.33	-0.635	1.518	1.693	1277169.732	1107236.447	951.007	CTA
	1065	274	5	5	47.58	-0.581	1.518	1.693	1277173.887	1107235.592	951.061	CTA
	1066	271	28	6	47.08	-1.024	1.518	1.693	1277172.919	1107233.598	950.618	CTA
	1067	270	44	7	49.49	-0.756	1.518	1.693	1277175.095	1107232.392	950.886	CTA
	1068	270	26	10	51.52	-0.812	1.518	1.693	1277176.985	1107231.609	950.830	CTA
	1069	271	12	33	52.02	0.209	1.518	1.693	1277177.648	1107232.155	951.851	CANALET
	1070	271	15	20	50.34	0.202	1.518	1.693	1277176.030	1107232.615	951.844	CANALET
	1071	272	5	45	48.95	0.186	1.518	1.693	1277174.860	1107233.658	951.828	CANALET
	1072	273	29	11	48.02	0.191	1.518	1.693	1277174.217	1107235.013	951.833	CANALET
	1073	274	48	19	47.67	0.184	1.518	1.693	1277174.095	1107236.162	951.826	CANALET
	1074	274	48	6	38.92	0.163	1.518	1.693	1277165.503	1107237.813	951.805	CANALET
	1075	274	49	42	28.91	0.172	1.518	1.693	1277155.680	1107239.718	951.814	CANALET
	1076	275	30	40	6.90	0.222	1.518	1.693	1277134.080	1107243.951	951.864	CANALET
	1077	322	40	35	10.38	0.236	1.518	1.693	1277135.578	1107251.415	951.878	CANALET
	1078	313	5	37	8.48	0.060	1.518	1.693	1277134.818	1107249.075	951.702	EJE CATA
	1079	278	57	50	6.68	-0.065	1.518	1.693	1277133.919	1107244.389	951.577	EJE CATA
	1080	279	22	55	6.26	-0.377	1.518	1.693	1277133.512	1107244.483	951.265	EJE CATA
	1081	314	52	5	8.20	0.019	1.518	1.693	1277134.448	1107249.169	951.661	EJE CATA
	1082	277	41	47	6.43	-0.134	1.518	1.693	1277133.651	1107244.277	951.508	MURO
	1083	271	4	29	6.42	-0.175	1.518	1.693	1277133.498	1107243.551	951.467	MURO
	1084	271	27	17	6.81	0.034	1.518	1.693	1277133.882	1107243.497	951.676	MURO
	1085	273	9	35	15.16	0.063	1.518	1.693	1277142.088	1107241.880	951.705	MURO
	1086	273	39	55	24.45	0.004	1.518	1.693	1277151.199	1107240.074	951.646	MURO
	1087	273	58	20	35.44	-0.015	1.518	1.693	1277161.982	1107237.969	951.627	MURO
	1088	274	10	44	47.62	0.052	1.518	1.693	1277173.945	1107235.660	951.694	MURO
	D3											D3
D4					144.41	12.820			1277236.491	1107193.144	949.528	D4
	1089	69	17	53	126.52	8.781	1.518	1.693	1277122.834	1107248.727	958.134	ANDEN
	1090	69	52	43	124.05	7.580	1.518	1.693	1277124.504	1107246.511	956.933	ANDEN
	1091	70	19	14	121.71	7.690	1.518	1.693	1277126.219	1107244.654	957.043	ANDEN
	1092	70	32	36	120.56	7.227	1.518	1.693	1277127.067	1107243.740	956.580	ANDEN
	1093	70	32	15	119.86	6.866	1.518	1.693	1277127.705	1107243.459	956.219	ANDEN
	1094	70	3	10	115.05	6.789	1.518	1.693	1277132.483	1107242.321	956.142	ANDEN
	1095	69	48	13	112.97	5.808	1.518	1.693	1277134.571	1107241.878	955.161	ANDEN
	1096	69	32	12	110.87	5.815	1.518	1.693	1277136.688	1107241.438	955.168	ANDEN
	1097	69	19	33	109.17	4.947	1.518	1.693	1277138.398	1107241.057	954.300	ANDEN
	1098	69	0	37	106.82	4.936	1.518	1.693	1277140.770	1107240.553	954.289	ANDEN
	1099	68	39	43	104.35	3.713	1.518	1.693	1277143.267	1107240.024	953.066	ANDEN
	1100	68	19	44	102.03	3.791	1.518	1.693	1277145.603	1107239.513	953.144	ANDEN
	1101	67	57	31	99.54	2.536	1.518	1.693	1277148.121	1107238.950	951.889	ANDEN
	1102	67	35	9	97.28	2.552	1.518	1.693	1277150.417	1107238.473	951.905	ANDEN
	1103	67	9	5	94.85	1.429	1.518	1.693	1277152.906	1107237.975	950.782	ANDEN
	1104	66	49	55	92.61	1.340	1.518	1.693	1277155.127	1107237.370	950.693	ANDEN
	1105	66	17	11	90.01	0.132	1.518	1.693	1277157.819	1107236.882	949.485	ANDEN
	1106	65	48	43	87.78	0.117	1.518	1.693	1277160.130	1107236.429	949.470	ANDEN
	1107	65	18	57	85.37	-1.087	1.518	1.693	1277162.589	1107235.885	948.266	ANDEN
	1108	64	48	57	83.14	-1.080	1.518	1.693	1277164.886	1107235.395	948.273	ANDEN
	1109	64	19	29	81.10	-1.903	1.518	1.693	1277166.997	1107234.956	947.450	ANDEN
	1110	67	12	36	80.16	-1.881	1.518	1.693	1277165.815	1107230.958	947.472	ANDEN
	1111	67	33	0	81.86	-1.132	1.518	1.693	1277164.087	1107231.332	948.221	ANDEN
	1112	68	1	56	84.09	-1.049	1.518	1.693	1277161.782	1107231.748	948.304	ANDEN
	1113	68	31	21	86.55	0.145	1.518	1.693	1277159.261	1107232.216	949.498	ANDEN
	1114	68	56	55	88.81	0.235	1.518	1.693	1277156.949	1107232.646	949.588	ANDEN
	1115	69	23	46	91.28	1.315	1.518	1.693	1277154.421	1107233.106	950.668	ANDEN
	1116	69	47	21	93.58	1.386	1.518	1.693	1277152.072	1107233.535	950.739	ANDEN
	1117	70	12	37	96.12	2.538	1.518	1.693	1277149.485	1107233.990	951.891	ANDEN
	1118	70	32	6	98.39	2.593	1.518	1.693	1277147.192	1107234.450	951.946	ANDEN
	1119	70	55	4	100.83	3.769	1.518	1.693	1277144.696	1107234.863	953.122	ANDEN
	1120	71	14	2	103.16	3.613	1.518	1.693	1277142.339	1107235.309	952.966	ANDEN
	1121	71	33	25	105.65	4.939	1.518	1.693	1277139.826	1107235.782	954.292	ANDEN
	1122	71	50	44	108.02	4.942	1.518	1.693	1277137.442	1107236.239	954.295	ANDEN
	1123	72	2	44	109.72	5.772	1.518	1.693	1277135.729	1107236.566	955.125	ANDEN
	1124	72	16	56	111.79	5.826	1.518	1.693	1277133.650	1107236.959	955.179	ANDEN

	1125	72	30	52	113.90	6.833	1.518	1.693	1277131.521	1107237.364	956.186	ANDEN
	1126	72	57	31	118.74	6.926	1.518	1.693	1277126.714	1107238.391	956.279	ANDEN
	1127	73	10	0	120.46	7.739	1.518	1.693	1277124.958	1107238.642	957.092	ANDEN
	1128	73	18	27	122.45	7.813	1.518	1.693	1277122.995	1107239.117	957.166	ANDEN
	1129	73	28	58	124.57	8.854	1.518	1.693	1277120.888	1107239.559	958.207	ANDEN
	1130	72	59	53	118.46	6.807	1.518	1.693	1277126.935	1107238.211	956.160	ANDEN
	1131	77	54	40	118.90	7.420	1.518	1.693	1277123.059	1107228.795	956.773	ANDEN
	1132	67	23	4	80.16	-1.822	1.518	1.693	1277165.698	1107230.744	947.531	ANDEN
	1133	68	6	0	69.03	-2.569	1.518	1.693	1277175.125	1107224.761	946.784	ANDEN
	1134	69	1	36	58.06	-3.322	1.518	1.693	1277184.453	1107218.898	946.031	ANDEN
	1135	68	54	6	64.77	-2.848	1.518	1.693	1277178.501	1107222.002	946.505	ANDEN
	1136	69	3	33	71.37	-2.348	1.518	1.693	1277172.507	1107224.766	947.005	ANDEN
	1137	69	26	26	77.99	-1.935	1.518	1.693	1277166.346	1107227.232	947.418	ANDEN
	1138	70	10	58	86.43	-1.430	1.518	1.693	1277158.268	1107229.912	947.923	ANDEN
	1139	70	53	41	93.17	-1.065	1.518	1.693	1277151.684	1107231.728	948.288	ANDEN
	1140	71	26	54	98.04	-0.692	1.518	1.693	1277146.868	1107232.878	948.661	ANDEN
	1141	70	42	47	98.38	-0.682	1.518	1.693	1277147.070	1107234.170	948.671	ANDEN
	1142	71	14	22	98.30	-0.733	1.518	1.693	1277146.777	1107233.311	948.620	CAJA LUZ
	1143	71	23	31	99.54	-0.717	1.518	1.693	1277145.532	1107233.578	948.636	CAJA LUZ
	1144	70	57	42	99.72	-0.719	1.518	1.693	1277145.675	1107234.334	948.634	CAJA LUZ
	1145	71	48	41	104.99	-0.298	1.518	1.693	1277140.242	1107235.088	949.055	PAR
	1146	71	46	33	104.92	-0.296	1.518	1.693	1277140.337	1107235.118	949.057	LUMINAR
	1147	69	26	44	79.85	-1.982	1.518	1.693	1277164.667	1107228.040	947.371	LUMINAR
	1148	68	41	33	54.22	-3.564	1.518	1.693	1277188.036	1107217.478	945.789	LUMINAR
	1149	75	25	15	31.05	-5.344	1.518	1.693	1277207.304	1107203.731	944.009	LUMINAR
	1150	115	3	34	11.62	-6.972	1.518	1.693	1277225.555	1107189.228	942.381	LUMINAR
	1151	102	29	50	12.47	-6.844	1.518	1.693	1277224.119	1107191.594	942.509	PZ EMPAS
	1152	70	44	51	12.02	-6.336	1.518	1.693	1277225.562	1107198.150	943.017	CANALT
	1153	68	26	2	10.88	-4.038	1.518	3.885	1277226.788	1107198.071	943.123	CAJ EMPAS
	1154	72	56	26	11.95	-4.036	1.518	3.885	1277225.446	1107197.700	943.125	CAJ EMPAS
	1155	78	4	31	11.18	-4.103	1.518	3.885	1277225.815	1107196.465	943.058	CAJ EMPAS
	1156	68	27	14	28.36	-5.431	1.518	3.885	1277211.200	1107205.977	941.730	PZ EMPAS
	1157	72	53	55	32.32	-5.206	1.518	3.885	1277206.619	1107205.493	941.955	PZ EMPAS
	1158	65	52	33	65.62	-2.795	1.518	1.693	1277179.372	1107225.438	946.558	CJ TL
	1159	66	4	45	66.47	-2.831	1.518	1.693	1277178.509	1107225.654	946.522	PZ TL
	1160	63	47	54	80.64	-1.862	1.518	1.693	1277167.776	1107235.352	947.491	CT
	1161	63	41	40	75.79	-2.288	1.518	1.693	1277171.981	1107232.930	947.065	CT
	1162	63	48	25	69.49	-2.453	1.518	1.693	1277177.273	1107229.506	946.900	CT
	1163	64	29	3	62.87	-2.943	1.518	1.693	1277182.526	1107225.408	946.410	CT
	1164	62	33	8	62.43	-2.739	1.518	1.693	1277184.021	1107226.966	946.614	CT
	1165	62	53	42	56.56	-3.295	1.518	1.693	1277188.767	1107223.504	946.058	CT
	1166	64	42	10	54.93	-3.470	1.518	1.693	1277189.242	1107221.149	945.883	CT
	1167	65	1	45	46.79	-4.030	1.518	1.693	1277196.105	1107216.771	945.323	CT
	1168	64	14	35	45.29	-3.900	1.518	1.693	1277197.721	1107216.546	945.453	CT
	1169	65	54	20	39.95	-4.531	1.518	1.693	1277201.706	1107212.786	944.822	CT
	1170	66	20	57	35.13	-4.858	1.518	1.693	1277205.765	1107210.182	944.495	CT
	1171	66	42	37	29.58	-5.297	1.518	1.693	1277210.529	1107207.327	944.056	CT
	1172	65	34	43	27.69	-5.384	1.518	1.693	1277212.456	1107206.898	943.969	CT
	1173	69	6	50	26.54	-5.585	1.518	1.693	1277212.684	1107204.881	943.768	CT
	1174	73	11	40	20.79	-6.015	1.518	1.693	1277217.233	1107200.989	943.338	CT
	1175	81	56	33	13.65	-6.560	1.518	1.693	1277223.210	1107196.311	942.793	CT
	1176	69	30	22	15.80	-5.826	1.518	1.693	1277222.270	1107200.034	943.527	CT
	1177	64	30	53	21.24	-5.074	1.518	1.693	1277218.253	1107204.035	944.279	CT
	1178	61	15	48	27.93	-4.167	1.518	1.693	1277213.363	1107208.799	945.186	CT
	1179	92	30	23	18.01	-6.395	1.518	1.693	1277218.503	1107194.040	942.958	JARDI
	1180	89	0	36	17.24	-6.357	1.518	1.693	1277219.355	1107195.050	942.996	JARDI
	1181	86	42	3	18.36	-6.307	1.518	1.693	1277218.339	1107195.908	943.046	JARDI
	1182	81	21	28	25.26	-5.795	1.518	1.693	1277211.981	1107199.255	943.558	JARDI
	1183	78	37	57	24.76	-5.793	1.518	1.693	1277212.780	1107200.269	943.560	JARDI
	1184	77	31	20	26.01	-5.673	1.518	1.693	1277211.729	1107201.111	943.680	JARDI
	1185	75	8	27	33.69	-5.125	1.518	1.693	1277204.878	1107204.786	944.228	JARDI
	1186	73	3	18	33.36	-5.182	1.518	1.693	1277205.625	1107205.805	944.171	JARDI
	1187	72	30	49	34.62	-5.006	1.518	1.693	1277204.588	1107206.584	944.347	JARDI
	1188	72	4	25	41.21	-4.566	1.518	1.693	1277198.637	1107209.434	944.787	JARDI
	1189	70	21	37	40.94	-4.536	1.518	1.693	1277199.389	1107210.443	944.817	JARDI
	1190	69	59	54	42.19	-4.410	1.518	1.693	1277198.368	1107211.213	944.943	JARDI
	1191	70	3	36	49.43	-3.885	1.518	1.693	1277191.800	1107214.268	945.468	JARDI
	1192	68	34	15	49.30	-3.874	1.518	1.693	1277192.486	1107215.360	945.479	JARDI
	1193	68	24	40	50.58	-3.793	1.518	1.693	1277191.405	1107216.064	945.560	JARDI
	1194	68	52	17	57.73	-3.342	1.518	1.693	1277184.820	1107218.891	946.011	JARDI
	1195	67	36	24	57.69	-3.340	1.518	1.693	1277185.436	1107220.007	946.013	JARDI
	1196	67	31	1	58.76	-3.231	1.518	1.693	1277184.531	1107220.587	946.122	JARDI

	1197	68	9	15	66.11	-2.733	1.518	1.693	1277177.693	1107223.368	946.620	JARDI
	1198	67	12	0	66.02	-2.729	1.518	1.693	1277178.289	1107224.297	946.624	JARDI
	1199	68	3	20	67.37	-2.785	1.518	1.693	1277176.630	1107224.044	946.568	JARDI
	1200	66	39	17	74.30	-2.161	1.518	1.693	1277171.323	1107228.828	947.192	JARDI
	1201	66	34	59	75.65	-2.200	1.518	1.693	1277170.180	1107229.562	947.153	JARDI
	1202	67	32	50	75.71	-2.147	1.518	1.693	1277169.531	1107228.465	947.206	JARDI
	1203	64	8	8	80.85	-1.879	1.518	1.693	1277167.355	1107235.052	947.474	ANDEN
	1204	64	17	0	70.88	-2.429	1.518	1.693	1277175.784	1107229.729	946.924	ANDEN
	1205	64	26	52	61.59	-3.090	1.518	1.693	1277183.652	1107224.781	946.263	ANDEN
	1206	64	46	54	49.11	-3.878	1.518	1.693	1277194.212	1107218.124	945.475	ANDEN
	1207	68	33	40	29.68	-5.394	1.518	1.693	1277210.001	1107206.523	943.959	ANDEN
	1208	96	45	43	9.26	-6.866	1.518	1.693	1277227.234	1107192.917	942.487	ANDEN
	1209	152	9	45	10.92	-7.704	1.518	1.693	1277230.512	1107184.007	941.649	OV
	1210	110	29	42	13.29	-7.106	1.518	1.693	1277223.666	1107189.674	942.247	OV
	1211	88	26	46	20.28	-6.433	1.518	1.693	1277216.358	1107195.584	942.920	OV
	1212	79	18	47	27.89	-5.778	1.518	1.693	1277209.686	1107200.853	943.575	OV
	1213	74	30	10	35.85	-5.170	1.518	1.693	1277202.986	1107205.908	944.183	OV
	1214	71	25	10	44.37	-4.474	1.518	1.693	1277195.938	1107211.148	944.879	OV
	1215	69	43	55	52.97	-3.845	1.518	1.693	1277188.730	1107216.054	945.508	OV
	1216	69	9	24	61.67	-3.231	1.518	1.693	1277181.160	1107220.372	946.122	OV
	1217	69	37	21	78.12	-2.214	1.518	1.693	1277166.120	1107227.066	947.139	OV
	1218	70	23	49	86.93	-1.513	1.518	1.693	1277157.677	1107229.831	947.840	OV
	1219	71	20	27	95.78	-1.024	1.518	1.693	1277149.007	1107232.127	948.329	OV
	1220	72	1	52	103.45	-0.644	1.518	1.693	1277141.498	1107234.108	948.709	OV
	1221	72	2	53	109.86	-0.389	1.518	1.693	1277135.602	1107236.616	948.964	OV
	1222	71	50	10	113.90	-0.150	1.518	1.693	1277132.058	1107238.601	949.203	OV
	1223	73	24	38	127.48	0.659	1.518	1.693	1277118.253	1107240.791	950.012	OV
	1224	74	10	0	123.95	0.453	1.518	1.693	1277120.923	1107237.951	949.806	OV
	1225	74	46	39	120.06	0.221	1.518	1.693	1277124.092	1107235.350	949.574	OV
	1226	74	57	15	119.72	0.220	1.518	1.693	1277124.279	1107234.885	949.573	OV
	1227	75	8	48	120.06	0.221	1.518	1.693	1277123.823	1107234.624	949.574	OV
	1228	75	37	48	124.88	0.593	1.518	1.693	1277118.945	1107235.298	949.946	OV
	1229	76	17	3	132.38	0.993	1.518	1.693	1277111.377	1107236.406	950.346	OV
	1230	79	12	3	130.94	0.743	1.518	1.693	1277110.728	1107229.581	950.096	OV
	1231	78	33	45	121.93	0.207	1.518	1.693	1277119.762	1107228.378	949.560	OV
	1232	77	48	19	109.52	-0.567	1.518	1.693	1277132.073	1107226.174	948.786	OV
	1233	77	26	35	99.34	-1.219	1.518	1.693	1277141.965	1107223.703	948.134	OV
	1234	77	14	42	90.88	-1.808	1.518	1.693	1277150.113	1107221.399	947.545	OV
	1235	77	17	12	84.32	-2.223	1.518	1.693	1277156.330	1107219.301	947.130	OV
	1236	77	27	21	77.83	-2.584	1.518	1.693	1277162.431	1107217.068	946.769	OV
	1237	78	23	10	65.45	-3.467	1.518	1.693	1277173.888	1107212.251	945.886	OV
	1238	80	23	39	53.51	-4.362	1.518	1.693	1277184.797	1107206.961	944.991	OV
	1239	85	10	16	40.79	-5.359	1.518	1.693	1277196.346	1107200.358	943.994	OV
	1240	93	18	33	30.58	-6.160	1.518	1.693	1277205.932	1107194.237	943.193	OV
	1241	110	5	40	22.05	-7.010	1.518	1.693	1277215.165	1107187.535	942.343	OV
	1242	129	49	24	18.43	-7.542	1.518	1.693	1277221.298	1107182.716	941.811	OV
	1243	150	34	8	17.95	-7.937	1.518	1.693	1277226.249	1107178.402	941.416	OV
	1244	152	3	1	18.40	-7.976	1.518	1.693	1277226.385	1107177.764	941.377	OV
	1245	150	57	33	18.69	-8.009	1.518	1.693	1277225.931	1107177.721	941.344	OV
	1246	129	1	8	19.74	-7.782	1.518	1.693	1277220.064	1107182.205	941.571	OV
	1247	26	22	31	92.03	2.871	1.518	1.693	1277203.487	1107279.047	952.224	CT
	1248	24	43	4	99.49	2.867	1.518	1.693	1277203.512	1107287.006	952.220	PAR
	1249	49	16	21	68.82	2.525	1.518	1.693	1277188.762	1107242.718	951.878	PAR
	1250	50	23	21	70.81	2.598	1.518	1.693	1277186.397	1107243.184	951.951	PAR
	1251	53	4	31	76.11	2.538	1.518	1.693	1277180.185	1107244.348	951.891	PAR
	1252	56	12	5	73.74	4.749	1.518	3.885	1277179.314	1107239.705	951.910	PAR
	1253	56	2	42	72.23	2.533	1.518	1.693	1277180.607	1107238.906	951.886	PAR
	1254	56	29	59	70.42	2.469	1.518	1.693	1277181.653	1107237.328	951.822	PAR
	1255	57	15	10	69.43	2.434	1.518	1.693	1277181.861	1107235.988	951.787	PAR
	1256	57	46	15	69.01	2.643	1.518	1.693	1277181.809	1107235.236	951.996	PAR
	1257	59	13	3	68.65	2.725	1.518	1.693	1277181.051	1107233.632	952.078	PAR
	1258	60	26	21	69.00	2.770	1.518	1.693	1277179.917	1107232.639	952.123	PAR
	1259	54	2	54	62.69	2.517	1.518	1.693	1277189.401	1107234.528	951.870	ANDEN
	1260	48	42	59	54.30	2.474	1.518	1.693	1277199.213	1107232.622	951.827	ANDEN
	1261	42	27	46	59.27	2.538	1.518	1.693	1277200.735	1107240.415	951.891	ANDEN
	1262	45	11	48	62.63	2.571	1.518	1.693	1277196.367	1107241.236	951.924	ANDEN
	1263	41	27	46	59.19	2.656	1.518	1.693	1277201.612	1107240.967	952.009	ANDEN
	1264	42	18	37	58.33	2.617	1.518	1.693	1277201.426	1107239.758	951.970	ANDEN
	1265	44	10	54	56.70	1.276	1.518	1.693	1277200.948	1107237.314	950.629	ANDEN
	1266	43	8	45	55.56	1.196	1.518	1.693	1277202.449	1107237.051	950.549	ANDEN
	1267	41	18	15	57.20	2.580	1.518	1.693	1277202.916	1107239.447	951.933	ANDEN
	1268	40	35	17	57.87	2.610	1.518	1.693	1277203.107	1107240.417	951.963	ANDEN

	1269	39	17	26	56.56	2.503	1.518	1.693	1277204.919	1107240.071	951.856	ANDEN
	1270	38	49	32	57.00	2.522	1.518	1.693	1277205.061	1107240.689	951.875	ANDEN
	1271	40	38	31	58.98	2.610	1.518	1.693	1277202.423	1107241.289	951.963	ANDEN
	1272	38	14	49	58.59	2.454	1.518	1.693	1277204.678	1107242.341	951.807	PZ-LUZ
	1273	48	17	21	60.35	2.525	1.518	1.693	1277195.388	1107237.329	951.878	CT
	1274	52	13	31	66.76	2.510	1.518	1.693	1277187.775	1107238.785	951.863	CT
	1275	57	44	9	68.92	1.793	1.518	1.693	1277181.907	1107235.214	951.146	CT
	1276	59	46	9	68.57	1.678	1.518	1.693	1277180.732	1107233.047	951.031	CT
	1277	61	51	47	69.65	1.517	1.518	1.693	1277178.409	1107231.581	950.870	CT
	1278	59	57	40	65.62	1.378	1.518	1.693	1277182.998	1107231.156	950.731	CT
	1279	58	0	22	65.49	1.374	1.518	1.693	1277184.433	1107232.877	950.727	CT
	1280	58	24	39	59.46	1.248	1.518	1.693	1277188.974	1107228.883	950.601	CT
	1281	54	0	44	61.07	1.407	1.518	1.693	1277190.644	1107233.487	950.760	CT
	1282	54	16	6	55.56	1.278	1.518	1.693	1277194.617	1107229.660	950.631	CT
	1283	57	37	27	55.13	0.599	1.518	1.693	1277192.890	1107226.884	949.952	CT
	1284	53	52	21	52.07	0.793	1.518	1.693	1277197.487	1107227.634	950.146	CT
	1285	48	54	55	53.32	1.218	1.518	1.693	1277199.747	1107231.787	950.571	CT
	1286	45	11	49	55.89	1.277	1.518	1.693	1277200.689	1107236.055	950.630	CT
	1287	319	39	54	79.22	15.687	1.518	3.885	1277293.182	1107248.478	962.848	EJE CATA
	1288	319	50	51	72.85	15.221	1.518	3.885	1277288.461	1107244.195	962.382	EJE CATA
	1289	321	14	13	64.91	12.520	1.518	1.693	1277281.677	1107239.736	961.873	EJE CATA
	1290	323	20	40	58.24	4.808	1.518	1.693	1277275.472	1107236.415	954.161	EJE CATA
	1291	321	10	37	53.75	2.693	1.518	1.693	1277273.950	1107231.688	952.046	EJE CATA
	1292	303	21	52	45.52	1.344	1.518	1.693	1277276.684	1107214.520	950.697	EJE CATA
	1293	290	9	41	43.57	0.812	1.518	1.693	1277278.614	1107204.275	950.165	EJE CATA
	1294	269	25	47	46.76	2.509	1.518	3.885	1277283.002	1107188.313	949.670	EJE CATA
	1295	320	17	50	54.23	2.824	1.518	1.693	1277274.876	1107231.447	952.177	EJE CATA
	1296	308	9	8	48.03	1.828	1.518	1.693	1277276.869	1107219.159	951.181	EJE CATA
	1297	281	41	31	45.41	0.712	1.518	1.693	1277281.623	1107198.153	950.065	MALLA
	1298	272	8	11	49.11	1.909	1.518	3.885	1277285.525	1107190.383	949.070	MALLA
	1299	269	35	2	48.03	2.508	1.518	3.885	1277284.276	1107188.311	949.669	CT
	1300	269	4	37	42.73	2.846	1.518	3.885	1277278.962	1107188.468	950.007	CT
	1301	268	24	17	36.68	2.924	1.518	3.885	1277272.900	1107188.703	950.085	CT
	1302	259	48	57	38.75	2.951	1.518	3.885	1277273.826	1107182.759	950.112	CT
	1303	258	48	3	44.03	2.420	1.518	3.885	1277278.697	1107180.595	949.581	CT
	1304	254	5	59	43.83	2.293	1.518	3.885	1277277.339	1107177.251	949.454	CT
	1305	257	12	29	47.42	0.891	1.518	3.885	1277281.549	1107178.372	948.052	CT
	1306	261	11	14	45.23	1.764	1.518	3.885	1277280.344	1107182.070	948.925	CT
	1307	250	56	34	40.34	2.845	1.518	3.885	1277273.226	1107176.468	950.006	CT
	1308	238	48	13	38.07	2.309	1.518	3.885	1277267.074	1107170.468	949.470	CT
	1309	305	32	55	44.81	1.161	1.518	1.693	1277275.223	1107215.677	950.514	CT
	1310	312	33	22	37.68	1.138	1.518	1.693	1277266.503	1107215.922	950.491	CT
	1311	279	41	3	35.67	0.874	1.518	1.693	1277272.055	1107195.834	950.227	CT
	1312	320	20	31	42.18	1.249	1.518	1.693	1277266.328	1107222.963	950.602	CT
	1313	278	10	41	42.78	0.823	1.518	1.693	1277279.223	1107195.248	950.176	CT
	1314	316	48	40	49.40	1.116	1.518	1.693	1277273.518	1107225.848	950.469	CT
	1315	271	38	53	43.83	0.728	1.518	1.693	1277280.225	1107190.307	950.081	CT
	1316	320	34	56	51.45	1.250	1.518	1.693	1277272.731	1107229.667	950.603	CT
	1317	291	28	29	41.47	1.033	1.518	1.693	1277276.334	1107204.656	950.386	CT
	1318	325	1	12	44.72	1.251	1.518	1.693	1277265.439	1107227.231	950.604	CT
	1319	296	37	9	35.99	1.036	1.518	1.693	1277270.027	1107206.192	950.389	CT
	1320	326	58	42	41.24	1.321	1.518	1.693	1277262.098	1107225.475	950.674	CT
	1321	303	29	18	37.90	1.161	1.518	1.693	1277269.917	1107211.014	950.514	CT
	1322	327	48	1	49.27	1.370	1.518	1.693	1277266.523	1107232.200	950.723	CT
	1323	300	21	28	43.24	1.103	1.518	1.693	1277275.682	1107211.418	950.456	CT
	1324	334	9	18	50.00	1.493	1.518	1.693	1277262.394	1107235.909	950.846	CT
	1325	336	36	11	45.13	1.417	1.518	1.693	1277258.201	1107232.706	950.770	CT
	1326	340	4	17	52.30	1.624	1.518	1.693	1277258.830	1107240.430	950.977	CT
	D2											
D2A					191.04	-15.402			1277331.471	1107337.022	971.504	
	D2B	83	18	39	11.66	-2.616	1.289	1.693	1277329.544	1107325.522	968.484	D2B
D2B		359	59	58	11.67	3.164						
	1327	16	3	8	3.00	0.758	1.545	1.693	1277329.202	1107328.506	969.094	OV
	1328	54	39	56	1.06	0.374	1.545	1.693	1277328.795	1107326.267	968.710	OV
	1329	141	31	2	9.90	0.037	1.545	1.693	1277322.191	1107318.900	968.373	OV
	1330	140	48	41	18.61	-0.257	1.545	1.693	1277315.560	1107313.237	968.079	OV
	1331	142	1	30	29.13	0.043	1.545	1.693	1277308.075	1107305.841	968.379	OV
	1332	143	45	56	35.87	0.192	1.545	1.693	1277303.849	1107300.488	968.528	OV
	1333	148	23	52	40.97	0.065	1.545	1.693	1277302.604	1107294.656	968.401	OV
	1334	149	50	24	39.10	-0.130	1.545	1.693	1277304.584	1107295.428	968.206	OV
	1335	152	38	30	31.41	-0.508	1.545	1.693	1277310.699	1107300.396	967.828	OV

	1336	156	42	45	21.30	-0.721	1.545	1.693	1277318.009	1107307.622	967.615	OV
	1337	169	16	34	11.48	-0.554	1.545	1.693	1277325.573	1107314.749	967.782	OV
	1338	208	18	38	5.69	-0.304	1.545	1.693	1277331.378	1107320.134	968.032	OV
	1339	281	30	25	7.98	-0.096	1.545	1.693	1277337.515	1107325.799	968.240	OV
	1340	300	13	19	15.54	-0.292	1.545	1.693	1277344.078	1107331.017	968.044	OV
	1341	319	58	25	14.18	0.309	1.545	1.693	1277340.335	1107334.726	968.645	OV
	1342	329	20	44	10.40	0.616	1.545	1.693	1277336.251	1107333.468	968.952	OV
	1343	357	26	32	8.22	1.115	1.545	1.693	1277331.264	1107333.564	969.451	OV
	1344	171	48	8	17.80	-0.638	1.545	1.693	1277324.129	1107308.565	967.698	PTEB
	1345	159	2	8	28.19	-0.869	1.545	1.693	1277315.245	1107301.225	967.467	PTEB
	1346	152	58	49	40.69	-0.369	1.545	1.693	1277305.320	1107292.823	967.967	PTEB
	1347	158	13	44	52.76	-2.100	1.545	1.693	1277302.148	1107280.435	966.236	PTEB
	1348	159	14	5	63.64	-1.797	1.545	1.693	1277297.455	1107270.560	966.539	PAR
	1349	162	16	15	62.48	0.506	1.545	3.885	1277300.946	1107269.977	966.650	PAR
	1350	159	26	34	54.04	0.395	1.545	3.885	1277302.469	1107278.758	966.539	PAR
	1351	159	37	23	51.01	0.071	1.545	3.885	1277304.126	1107281.300	966.215	PAR
	1352	158	6	12	42.91	-0.744	1.545	3.885	1277307.183	1107288.901	965.400	PAR
	1353	158	13	48	39.07	-1.065	1.545	3.885	1277309.258	1107292.135	965.079	PAR
	1354	177	44	28	19.15	-0.718	1.545	1.693	1277325.638	1107306.778	967.618	PAR
	1355	191	31	4	14.72	-0.493	1.545	1.693	1277330.059	1107310.807	967.843	PAR
	1356	180	6	55	11.53	-0.645	1.545	1.693	1277327.661	1107314.144	967.691	V AGUA
	1357	148	4	29	41.13	-0.055	1.545	1.693	1277302.325	1107294.689	968.281	EJE CATA
	1358	160	1	8	63.38	-0.268	1.545	3.885	1277298.340	1107270.355	965.876	EJE CATA
	1359	155	19	5	52.93	0.524	1.545	3.885	1277299.800	1107281.746	966.668	EJE CATA
	D400											D400
D5					172.28	18.468			1277270.537	1107151.863	939.898	D5
	1360	350	48	40	34.89	0.823	1.601	1.693	1277242.756	1107172.962	940.629	OV
	1361	351	51	49	28.59	0.453	1.601	1.693	1277247.456	1107168.733	940.259	OV
	1362	355	49	29	19.41	0.186	1.601	1.693	1277254.117	1107162.204	939.992	OV
	1363	2	55	48	12.18	0.074	1.601	1.693	1277259.506	1107157.029	939.880	OV
	1364	26	37	23	5.43	-0.139	1.601	1.693	1277265.108	1107151.996	939.667	OV
	1365	74	52	31	3.13	-0.179	1.601	1.693	1277268.394	1107149.576	939.627	OV
	1366	130	26	15	4.96	-0.096	1.601	1.693	1277271.602	1107147.022	939.710	OV
	1367	95	46	38	14.50	0.064	1.601	1.693	1277265.046	1107138.440	939.870	OV
	1368	0	48	10	12.88	0.278	1.601	1.693	1277259.088	1107157.753	940.084	JARDINE
	1369	355	21	53	12.53	0.302	1.601	1.693	1277259.992	1107158.623	940.108	JARDINE
	1370	354	13	0	13.82	0.307	1.601	1.693	1277259.051	1107159.555	940.113	JARDINE
	1371	352	33	49	25.18	0.600	1.601	1.693	1277250.031	1107166.470	940.406	JARDINE
	1372	349	41	55	25.05	0.605	1.601	1.693	1277250.887	1107167.397	940.411	JARDINE
	1373	349	23	54	26.32	0.685	1.601	1.693	1277249.978	1107168.291	940.491	JARDINE
	1374	350	40	16	33.54	0.978	1.601	1.693	1277243.880	1107172.211	940.784	JARDINE
	1375	348	29	37	33.49	0.998	1.601	1.693	1277244.706	1107173.182	940.804	JARDINE
	1376	348	22	45	34.75	1.058	1.601	1.693	1277243.780	1107174.035	940.864	JARDINE
	1377	349	45	56	41.93	1.457	1.601	1.693	1277237.616	1107177.826	941.263	JARDINE
	1378	349	40	25	43.15	1.529	1.601	1.693	1277236.696	1107178.640	941.335	JARDINE
	1379	347	32	26	43.12	1.552	1.601	1.693	1277237.739	1107179.861	941.358	JARDINE
	1380	349	9	17	50.18	1.987	1.601	1.693	1277231.467	1107183.357	941.793	JARDINE
	1381	349	4	15	51.53	2.067	1.601	1.693	1277230.470	1107184.257	941.873	JARDINE
	1382	347	34	50	51.48	2.077	1.601	1.693	1277231.362	1107185.258	941.883	JARDINE
	1383	347	54	33	34.04	1.031	1.601	1.693	1277244.506	1107173.797	940.837	PTEM
	1384	349	51	43	31.58	0.870	1.601	1.693	1277245.705	1107171.379	940.676	LUMINAR
	1385	6	18	31	7.69	0.164	1.601	1.693	1277263.393	1107154.708	939.970	LUMINAR
	1386	215	56	54	3.55	0.851	1.601	1.693	1277274.049	1107152.351	940.657	PTE-ALT
	1387	231	1	30	5.17	0.995	1.601	1.693	1277275.299	1107153.884	940.801	PTE-ALT
	1388	75	30	9	1.52	0.051	1.601	1.693	1277269.512	1107150.744	939.857	PUENTE
	1389	101	50	22	1.66	0.055	1.601	1.693	1277270.076	1107150.273	939.861	PUENTE
	1390	112	31	15	1.18	0.061	1.601	1.693	1277270.424	1107150.684	939.867	PUENTE
	1391	117	12	28	0.94	0.072	1.601	1.693	1277270.524	1107150.920	939.878	PUENTE
	1392	142	22	15	0.77	0.074	1.601	1.693	1277270.855	1107151.159	939.880	PUENTE
	1393	151	20	28	4.18	-0.409	1.601	1.693	1277272.834	1107148.368	939.397	PUENTE
	1394	352	51	20	15.08	0.351	1.601	1.693	1277258.209	1107160.550	940.157	PZ TL
	1395	348	32	22	18.88	0.469	1.601	1.693	1277255.965	1107163.870	940.275	PZ TL
	1396	349	42	27	17.22	0.425	1.601	1.693	1277257.030	1107162.537	940.231	PZ TL
	1397	354	35	59	17.47	0.407	1.601	1.693	1277255.957	1107161.486	940.213	PZ TL
	1398	344	7	7	34.64	1.083	1.601	1.693	1277245.581	1107175.885	940.889	ANDEN
	1399	343	38	37	21.47	0.566	1.601	1.693	1277255.192	1107166.880	940.372	ANDEN
	1400	343	12	16	10.94	0.329	1.601	1.693	1277262.779	1107159.573	940.135	ANDEN
	1401	174	44	1	1.55	0.089	1.601	1.693	1277271.833	1107151.012	939.895	ANDEN
	1402	333	28	34	23.98	6.063	1.601	1.693	1277256.629	1107171.398	945.869	EJE CATA
	1403	317	24	1	10.09	4.775	1.601	1.693	1277267.190	1107161.381	944.581	EJE CATA
	1404	325	56	48	5.07	1.722	1.601	1.693	1277268.166	1107156.338	941.528	EJE CATA

	1405	343	37	40	48.85	1.842	1.601	1.693	1277235.636	1107186.039	941.648	CT
	1406	343	45	12	41.18	1.449	1.601	1.693	1277241.052	1107180.610	941.255	CT
	1407	343	29	33	33.73	1.049	1.601	1.693	1277246.491	1107175.521	940.855	CT
	1408	343	7	35	25.02	0.854	1.601	1.693	1277252.816	1107169.522	940.660	CT
	1409	339	43	43	45.39	6.446	1.601	1.693	1277240.343	1107185.750	946.252	CT
	1410	343	18	14	16.23	0.449	1.601	1.693	1277259.003	1107163.285	940.255	CT
	1411	338	0	11	5.63	0.229	1.601	1.693	1277266.918	1107156.179	940.035	CT
	1412	339	2	54	38.17	5.789	1.601	1.693	1277245.482	1107180.663	945.595	CT
	1413	292	10	37	3.38	0.246	1.601	1.693	1277270.881	1107155.223	940.052	CT
	1414	336	56	29	28.06	5.513	1.601	1.693	1277252.909	1107173.698	945.319	CT
	1415	335	12	33	21.56	5.099	1.601	1.693	1277257.508	1107169.039	944.905	CT
	1416	256	14	21	1.41	0.134	1.601	1.693	1277271.476	1107152.913	939.940	CT
	1417	335	22	3	13.59	3.501	1.601	1.693	1277262.295	1107162.666	943.307	CT
	1418	269	16	32	4.36	1.660	1.601	1.693	1277272.632	1107155.681	941.466	CT
	1419	273	52	17	4.53	2.835	1.601	1.693	1277272.390	1107155.994	942.641	CT
	1420	325	21	41	7.19	3.506	1.601	1.693	1277267.237	1107158.247	943.312	CT
	1421	252	6	3	5.73	1.738	1.601	1.693	1277274.656	1107155.850	941.544	CT
	1422	301	15	28	5.80	3.420	1.601	1.693	1277270.210	1107157.657	943.226	CT
	1423	260	7	53	7.31	2.730	1.601	1.693	1277275.027	1107157.630	942.536	CT
	1424	258	56	53	12.91	3.302	1.601	1.693	1277278.674	1107161.882	943.108	CT
	1425	307	0	2	10.84	5.418	1.601	1.693	1277268.847	1107162.568	945.224	CT
	1426	306	45	32	14.10	7.069	1.601	1.693	1277268.397	1107165.799	946.875	CT
	1427	257	14	38	18.98	5.871	1.601	3.885	1277282.932	1107166.231	943.485	CT
	1428	259	56	54	15.31	5.773	1.601	3.885	1277279.978	1107163.912	943.387	ARBOL
	1429	263	58	26	21.15	7.091	1.601	3.885	1277282.380	1107169.385	944.705	CT
	1430	272	0	20	21.17	8.095	1.601	3.885	1277279.824	1107170.886	945.709	CT
	1431	273	55	45	23.60	10.056	1.601	4.890	1277280.173	1107173.407	946.665	CT
	1432	288	24	17	16.06	8.965	1.601	3.885	1277273.221	1107167.692	946.579	CT
	1433	277	46	41	14.23	6.946	1.601	3.885	1277275.461	1107165.209	944.560	CT
	1434	222	25	16	8.78	3.164	1.601	3.885	1277279.043	1107154.045	940.778	CT
	1435	225	43	17	13.38	2.870	1.601	3.885	1277283.285	1107155.930	940.484	CT
	1436	335	14	23	9.81	2.279	1.601	1.693	1277264.605	1107159.674	942.085	T
	1437	325	51	49	10.73	4.759	1.601	3.885	1277265.526	1107161.353	942.373	T
	D5											D5
D6					44.94	11.953			1277302.435	1107120.197	928.054	D6
	1438	353	21	32	25.82	1.565	1.580	1.693	1277286.339	1107140.383	929.506	ANDEN
	1439	0	2	24	40.59	10.882	1.580	1.693	1277273.608	1107148.774	938.823	ANDEN
	1440	354	2	57	28.91	3.574	1.580	1.693	1277284.140	1107142.582	931.515	ANDEN
	1441	359	31	33	36.42	8.303	1.580	1.693	1277276.803	1107146.067	936.244	ANDEN
	1442	356	0	20	31.52	5.168	1.580	1.693	1277281.668	1107143.907	933.109	ANDEN
	1443	359	31	41	35.71	8.116	1.580	1.693	1277277.301	1107145.563	936.057	ANDEN
	1444	350	42	1	39.81	12.601	1.580	1.693	1277279.085	1107152.442	940.542	CT
	1445	352	44	52	37.86	11.369	1.580	1.693	1277279.148	1107150.050	939.310	CT
	1446	347	13	10	36.49	10.464	1.580	1.693	1277282.865	1107151.000	938.405	CT
	1447	339	55	23	39.54	11.625	1.580	1.693	1277285.642	1107155.993	939.566	CT
	1448	335	36	36	43.42	13.000	1.580	1.693	1277287.003	1107160.779	940.941	CT
	1449	331	20	48	48.45	13.900	1.580	1.693	1277288.628	1107166.640	941.841	CT
	1450	327	5	25	47.65	13.237	1.580	1.693	1277292.284	1107166.752	941.178	CT
	1451	324	55	2	49.76	13.331	1.580	1.693	1277293.685	1107169.183	941.272	CT
	1452	326	20	27	47.80	12.798	1.580	1.693	1277292.865	1107167.025	940.739	PZ EMPAS
	1453	323	50	48	52.94	14.180	1.580	1.693	1277294.101	1107172.479	942.121	CT
	1454	326	14	52	56.91	15.766	1.580	1.693	1277291.131	1107175.968	943.707	CT
	1455	323	39	29	56.91	14.339	1.580	1.693	1277293.663	1107176.423	942.280	MALLA
	1456	318	35	18	45.11	10.583	1.580	1.693	1277299.447	1107165.211	938.524	MALLA
	1457	312	47	25	36.36	6.925	1.580	1.693	1277303.704	1107156.535	934.866	MALLA
	1458	299	25	2	28.58	4.152	1.580	1.693	1277310.013	1107147.759	932.093	MALLA
	1459	308	46	16	24.98	4.070	1.580	1.693	1277305.054	1107145.041	932.011	ARBOL
	1460	298	9	57	25.20	3.521	1.580	1.693	1277309.645	1107144.345	931.462	PZ EMPAS
	1461	288	16	24	23.91	2.727	1.580	1.693	1277313.109	1107141.590	930.668	CT
	1462	303	7	37	23.20	3.433	1.580	1.693	1277307.125	1107142.917	931.374	CT
	1463	305	28	27	28.21	4.543	1.580	1.693	1277307.002	1107148.038	932.484	CT
	1464	313	13	50	29.90	5.197	1.580	1.693	1277303.249	1107150.087	933.138	CT
	1465	317	58	41	25.52	4.723	1.580	1.693	1277301.016	1107145.677	932.664	CT
	1466	324	33	50	29.83	5.804	1.580	1.693	1277297.371	1107149.597	933.745	CT
	1467	331	50	47	27.09	5.223	1.580	1.693	1277294.490	1107146.095	933.164	CT
	1468	333	17	14	30.04	6.985	1.580	1.693	1277292.906	1107148.681	934.926	CT
	1469	346	47	47	33.77	7.558	1.580	1.693	1277284.539	1107148.831	935.499	CT
	1470	337	3	25	35.69	9.906	1.580	3.885	1277288.911	1107153.227	935.655	CT
	1471	329	2	7	38.11	10.044	1.580	3.885	1277293.057	1107157.138	935.793	CT
	1472	328	12	54	34.99	9.899	1.580	3.885	1277294.312	1107154.228	935.648	CT
	1473	324	46	6	38.37	11.028	1.580	3.885	1277295.787	1107157.984	936.777	CT

	1474	319	33	46	42.34	10.063	1.580	1.693	1277298.912	1107162.390	938.004	CT
	1475	322	15	55	47.82	11.881	1.580	1.693	1277296.214	1107167.613	939.822	CT

	D1								1277114.825	1107292.323		D1
D2									1277140.659	1107346.428	955.658	
	M1	117	29	52	57.04	3.374	1.593	1.693	1277197.665	1107348.393	958.932	M1
M1												
	M2	169	11	53	73.50	7.277	1.473	1.693	1277270.295	1107337.114	965.989	M2
	M3	358	7	42	95.52	-3.185	1.473	1.693	1277102.146	1107348.222	955.527	M3

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TOP. JAVIER URIBE GARCIA
LIC. 000941 CPNT

PLANOS

CONTENIDO

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