

MINISTERIO DE INDUSTRIA Y ENERGIA
SECRETARIA DE LA ENERGIA Y RECURSOS MINERALES

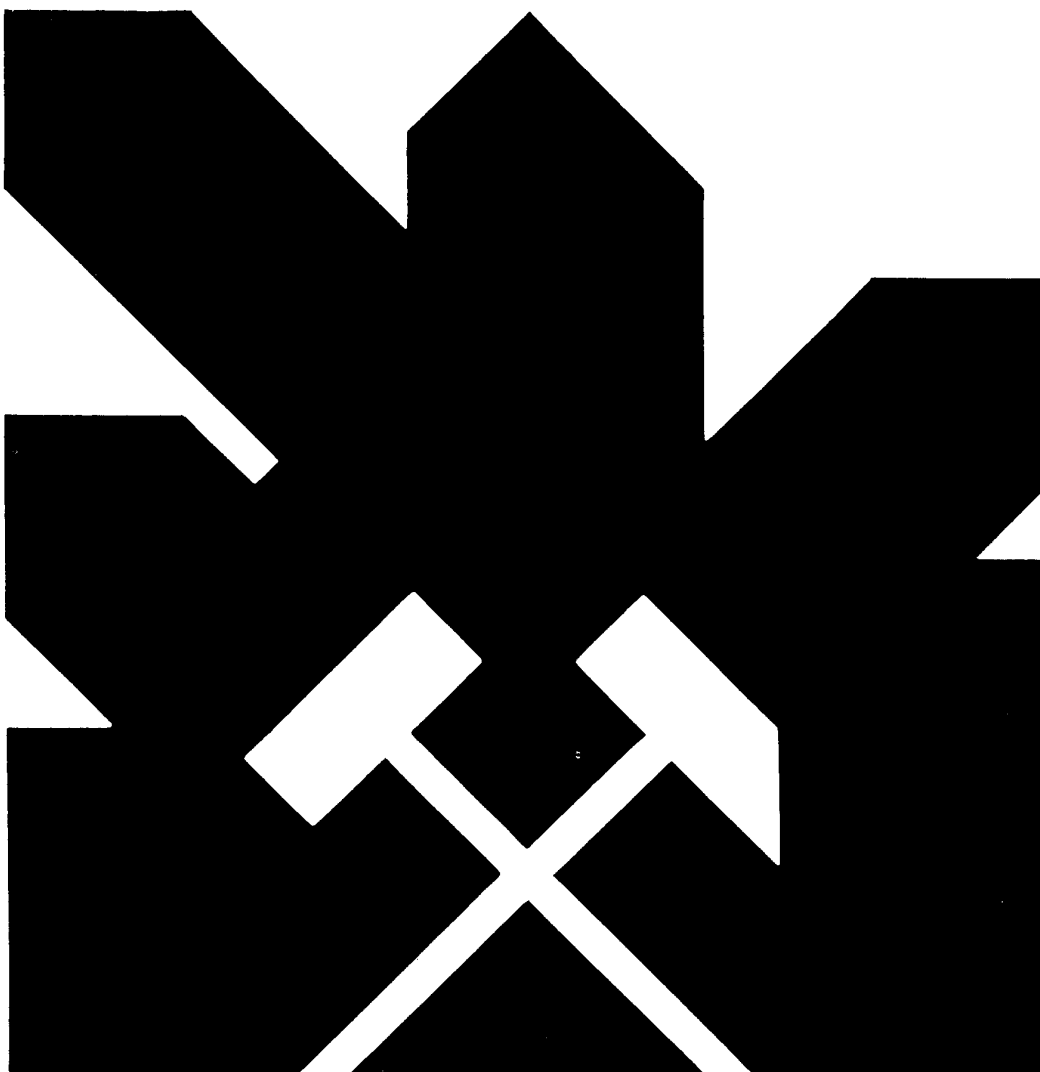
CONVENIO CON ENADIMSA PARA EL DESARROLLO DE
TRABAJOS DE INVESTIGACION GEOTERMICA DENTRO
DEL PROGRAMA 234. OTRAS FUENTES DE ENERGIA.
AÑO - 1984.

GEOFISICA DEPRESION ALMERIA

(GRAVIMETRIA)

- INFORME FINAL -

3



INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

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1.- INTRODUCCION

El presente informe se refiere a la Prospección Gravimétrica realizada por la Empresa Nacional ADARO de Investigaciones Mineras, S.A., para el I.G.M.E., dentro del denominado Convenio para el Desarrollo de Trabajos de Investigación Geotérmica del Programa 234 - Otras Fuentes de Energía, año 1.984. Depresión de Almería.

Dichos trabajos se realizaron en el Campo de Nijar, a finales de 1.984.

Su ejecución se enmarca dentro de un conjunto de trabajos geofísicos de exploración, encaminados a determinar la distribución en profundidad de las estructuras geológicas conocidas.

2.- OBJETIVOS

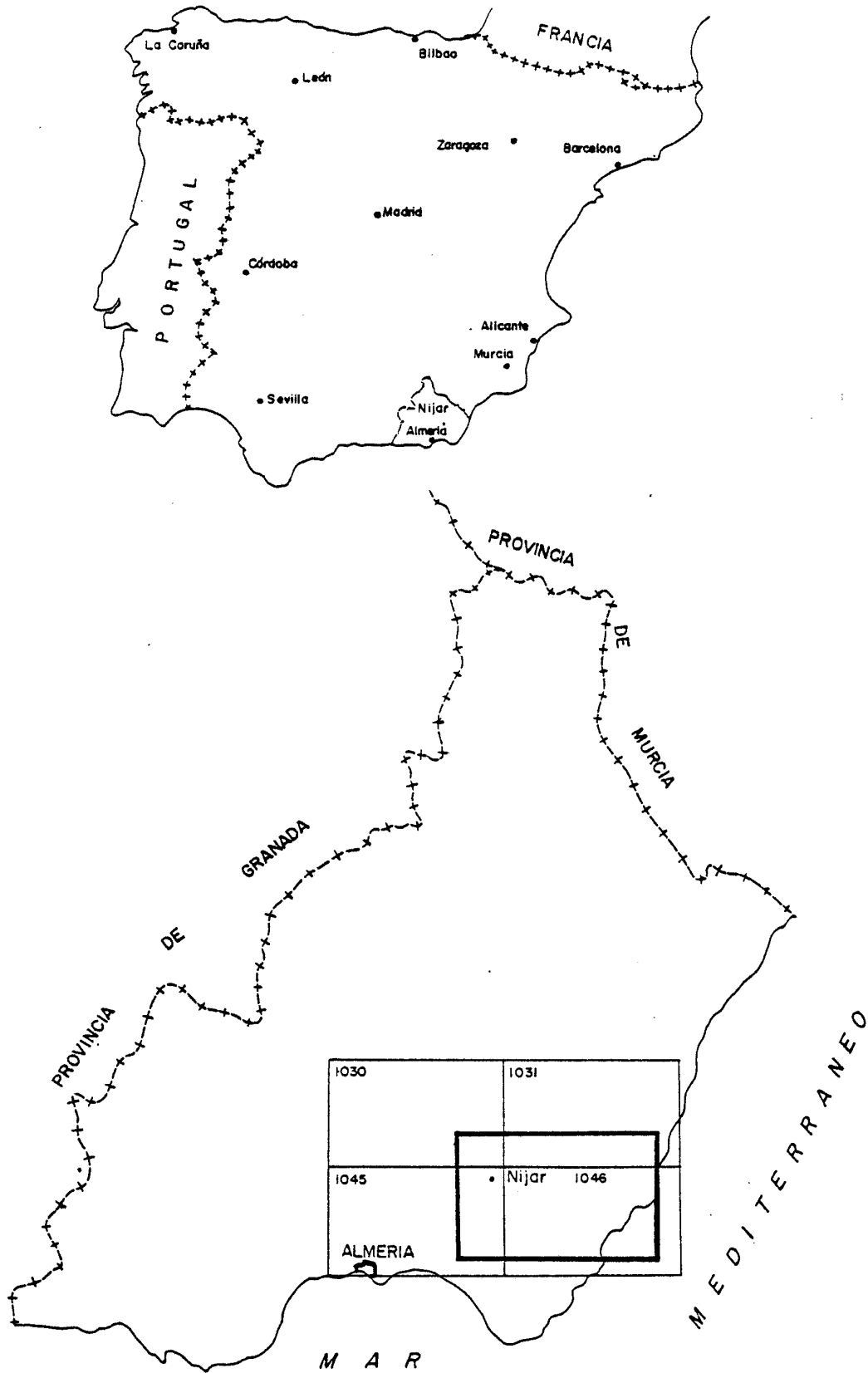
El programa de prospección gravimétrica se encaminaba a localizar sobre el terreno, anomalías de gravedad provocadas por la distribución espacial de los materiales que constituyen el zócalo de la fosa.

Estos materiales, aflorantes en los bordes de la fosa, se encuentran cubiertos en el interior por un paquete sedimentario Mioceno-Pliocuaternario, con una potencia superior a los 500 metros en el eje de la fosa.

Los contrastes de densidad existentes entre los tipos de rocas presentes, así como la posible existencia de importantes estructuras tectónicas, permitían suponer que la zona presentaba características favorables para producir una respuesta interesante a la prospección gravimétrica.

La zona objeto de esta investigación, situada en la provincia de Almería, comprende el denominado Campo de Nijar (Fig. n° 1).

PLANO DE SITUACION



3.- TRABAJOS REALIZADOS

En la zona de estudio, se programaron 300 estaciones con densidad media de 3 est./Km² y distribución regular aprovechando la red de caminos existente. El trabajo de campo se realizó entre el 11 de Septiembre y el 11 de Octubre de 1.984.

3.1.- COMPOSICION DEL EQUIPO

Para la realización del trabajo se dispuso del siguiente personal y material:

a) Personal:

- . 1 Jefe equipo
- . 1 Topógrafo
- . 1 Operador gravímetro
- . 4 Peones

b) Material:

- . 1 Gravímetro Worden-Propector
- . 1 Taquímetro Wild T-16
- . 1 Distanciómetro Wild-DI-4L
- . 1 Microordenador HP-9816
- . 3 Land Rover
- . Oficina y material necesario

3.2.- TOPOGRAFIA

En todas las estaciones se determinó su posición y cota. Las coordenadas de cada punto se obtuvieron en el sistema U.T. M.

El método utilizado para determinar planimetría y altimetría, fué el de poligonación con estaciones continuas y radiación de alta precisión mediante distanciómetro. En este método se establece una poligonal principal desde la cual se radian los puntos necesarios para el levantamiento. Estos puntos de la poligonal normalmente no son utilizados como estaciones al estar situados en lugares elevados y de fuerte efecto topográfico en su entorno próximo.

3.2.1.- Red de Estaciones Auxiliares

Enlazadas al Vértice Geodésico del Instituto Geográfico Nacional VENTORRILLO, de coordenadas

VERTICE	X	Y	Z
Ventorrillo	569931,6	4083355,4	142.46

se situaron 84 estaciones auxiliares, cuya relación aparece en el Anexo I de este informe.

La precisión de las coordenadas establecidas es muy buena, utilizando el distanciómetro. En el plano n° 1, se presenta la situación de Estaciones Auxiliares, las poligonales formadas, y los errores de cierre de planimetría y altimetría pre

vios a la compensación de los mismos.

3.2.2.- Medidas y Cálculos

Se obtuvieron las coordenadas y cota de todos los puntos de medida gravimétrica a partir de las Estaciones Auxiliares - establecidas, por el método de radiación con los correspondientes ángulos acimutal, cenital y la distancia o generador.

En el Anexo II, se presenta el listado del fichero de medidas topográficas con la siguiente simbología:

N.F. : Número secuencial de registro en el Fichero.
 Orig. : Estación auxiliar origen de la radiación.
 T : Aparato utilizado (D = Distanciómetro)
 Per : Código (0=Estaciones Auxiliares; 1=Punto gravimétrico).
 Est : N° de Estación Auxiliar o Punto Gravimétrico.
 Ang H : Angulo Horizontal centesimal al Norte Geográfico.
 Ang V : Angulo Vertical centesimal.
 Gener : Generador
 X,Y,Z : Coordenadas obtenidas, relativas a la estación origen.

Una vez compensada la red de Estaciones Auxiliares, con un programa en el HP-9816, se calculan las coordenadas definitivas de los puntos de medida por "arrastre" de los incrementos relativos de X, Y, Z, que figuran en el listado del Anexo-II.

3.3.- GRAVIMETRIA

3.3.1.- Bases

Sobre la zona de trabajo se estableció una red de 3 ba

ses repartidas de forma que el tiempo comprendido entre pasos consecutivos por una base, no fuera superior a dos horas.

A continuación se realizó la unión gravimétrica de dichas bases. En la figura n° 2, se indica el esquema de unión y en las figuras 3 y 4, el valor de los incrementos relativos de gravedad entre las bases.

Para obtener los valores de gravedad absoluta en las bases, se enlazó la base n° 1 con la Base Nacional del IGN en el Gobierno Civil, calle Arapiles de Almería, con un valor de gravedad $g = 979904,33$ mgals (SGR 1976).

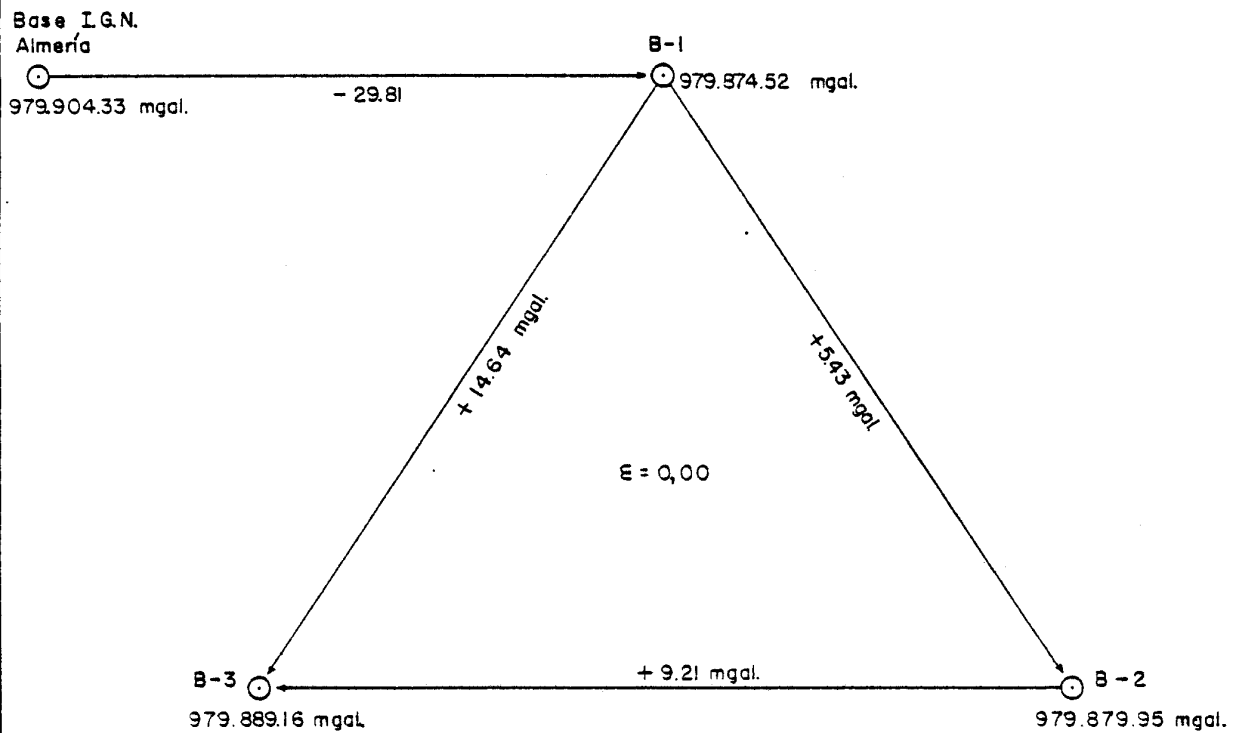
Los valores de gravedad obtenidos para las bases a partir de este enlace, así como su situación, coordenadas y fotografía, se adjuntan en las figuras 6, 7 y 8.

A lo largo de la campaña, el gravímetro se ha posicionado 22 veces en la Base 1, 20 en la Base 2 y 30 en la Base 3.

3.3.2- Medidas y control de calidad

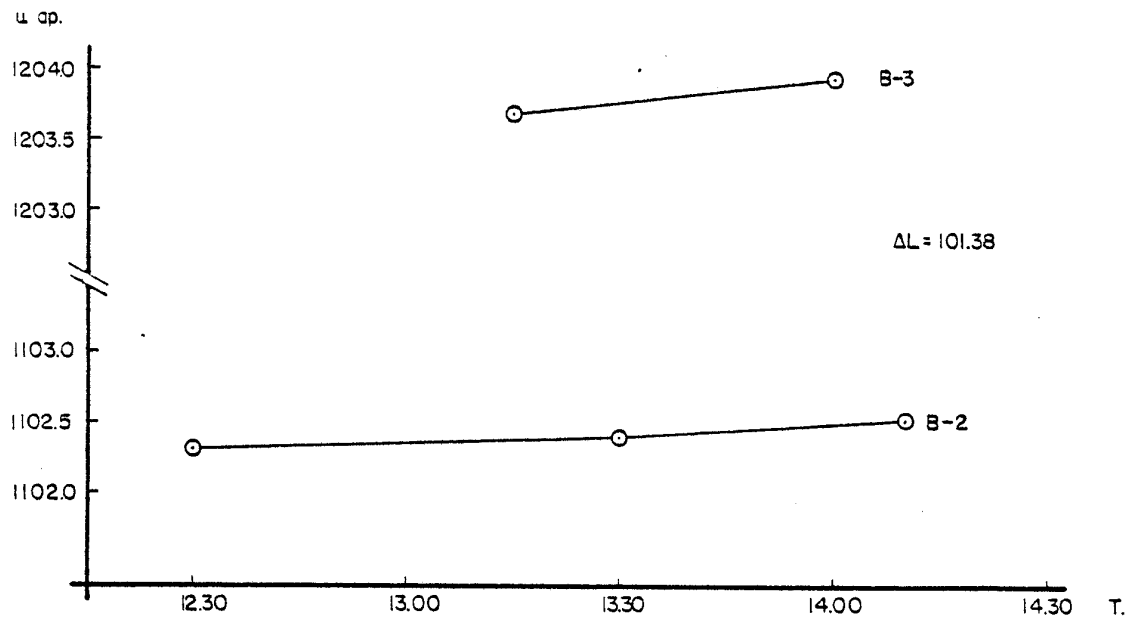
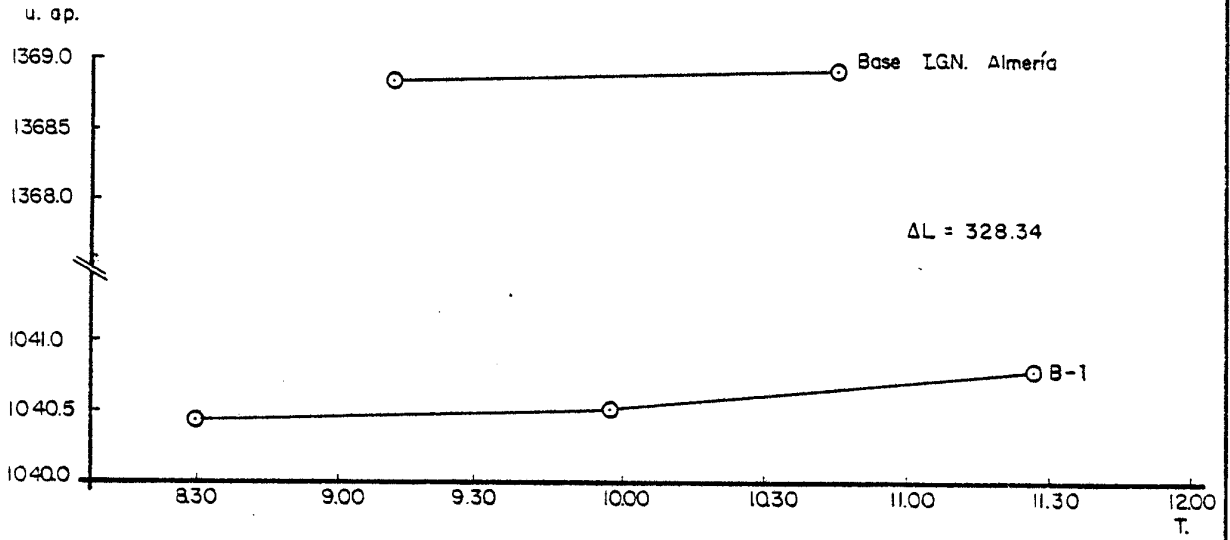
Una vez situadas topográficamente las estaciones sobre el terreno, se midieron con el gravímetro mediante la colocación del "plato" con nivel esférico sobre la señal de la estación, en el caso de las carreteras, o junto a la estaquilla en el caso de caminos. Una vez nivelado el gravímetro sobre el plato, se tomaba la lectura, iterando la operación de nivelar y leer.

En la figura n° 5, se representa la curva de Deriva Estática para el Gravímetro utilizado, obtenida en la zona de trabajo, el día 17 de Septiembre.



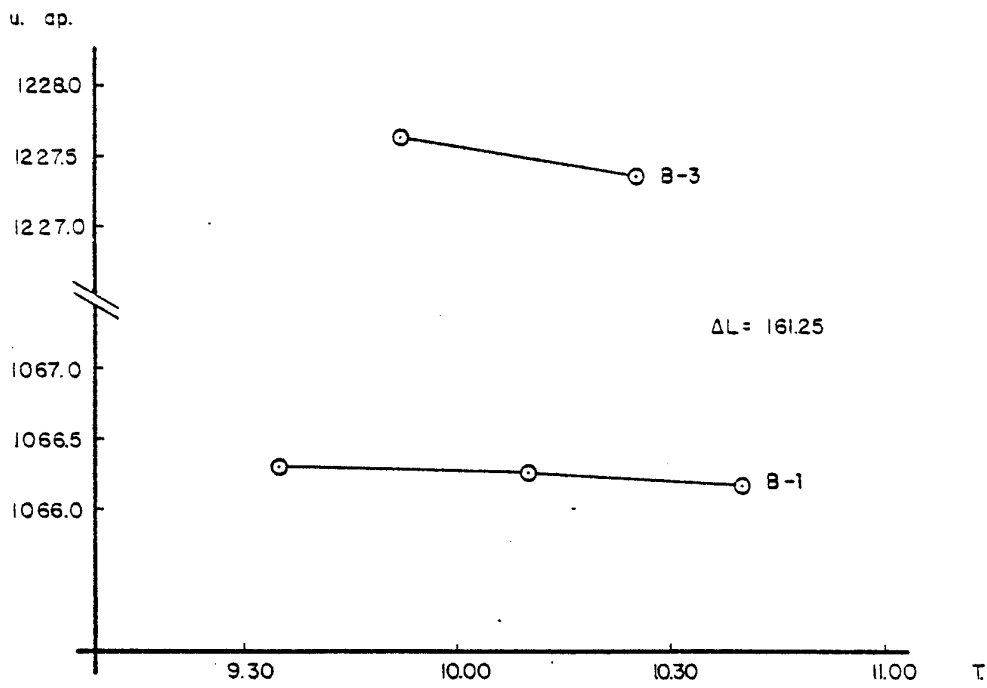
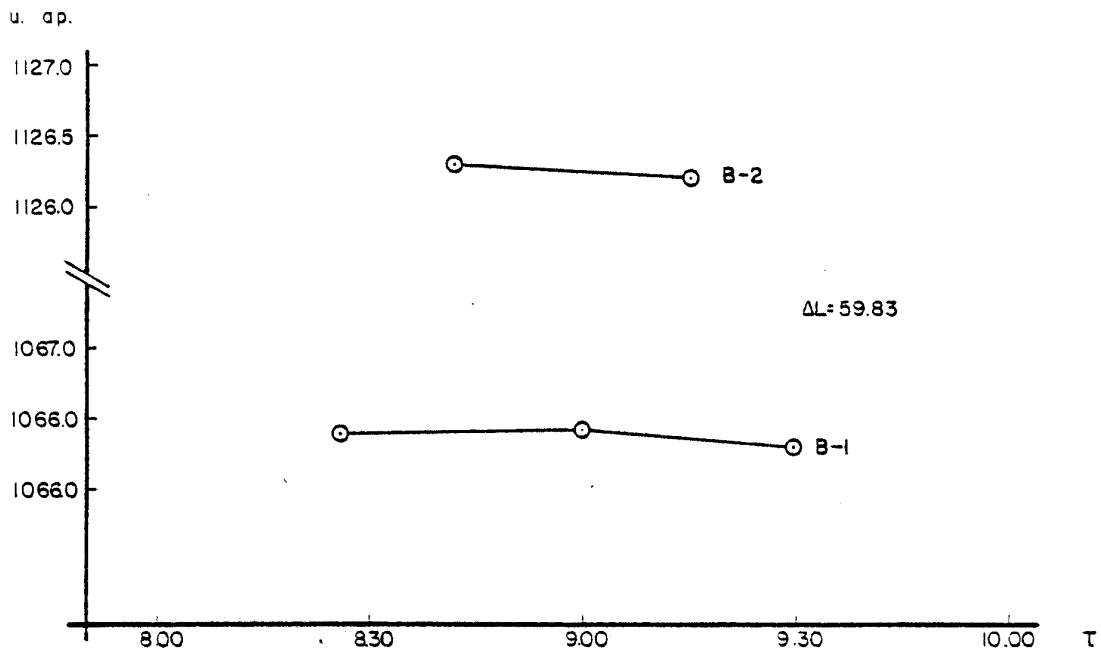
BASES GRAVIMETRICAS
ESQUEMA DE CIERRES Y VALORES COMPENSADOS

Fig. 2



ENLACE DE BASES GRAVIMETRICAS

Fig. 3



ENLACE DE BASES GRAVIMETRICAS

Fig.4

FECHA 17-9-84

DERIVA INSTRUMENTAL
GRAVIMETRO WORDEN Nº 813

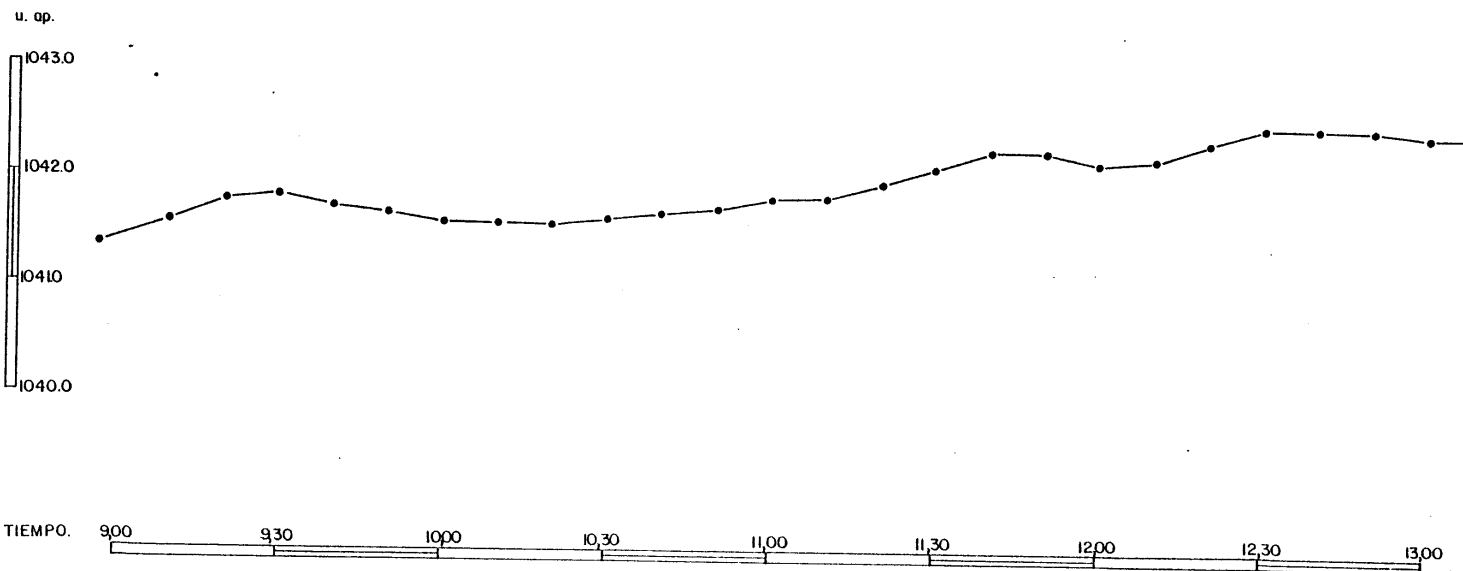


Fig. 5

BASE GRAVIMETRICA N° 1

Hoja 1:50.000 n° 1045

Coordenadas: $\begin{cases} X = 570.268 \text{ (U.T.M.)} \\ Y = 4.086.382 \text{ (U.T.M.)} \\ Z = 192.07 \text{ m} \end{cases}$

Gravedad observada $g_{67} = 979874.52 \text{ mgales}$ (Septiembre 1.984)

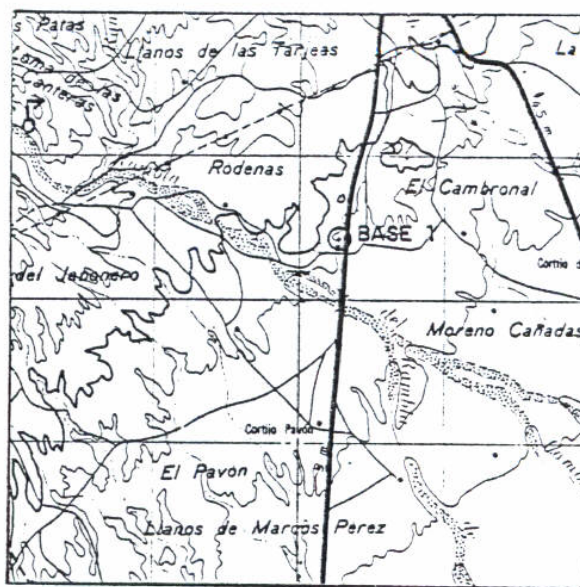
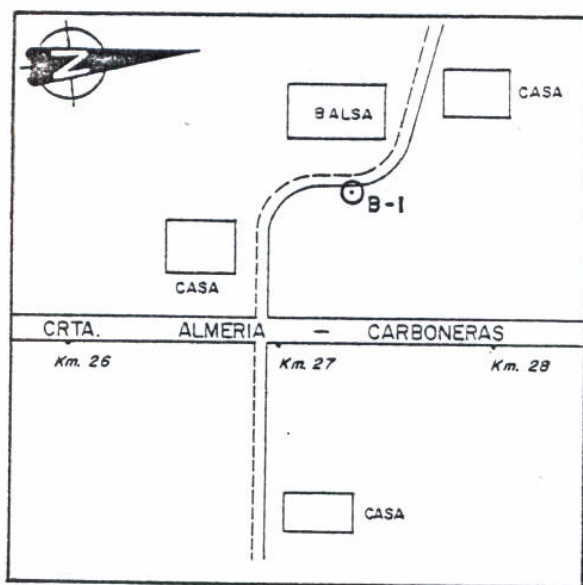


Fig. 6

BASE GRAVIMETRICA N° 2

Hoja 1:50.000 n° 1046

Coordenadas: $\begin{cases} X = 580.169 \text{ (U.T.M.)} \\ Y = 4.091.686 \text{ (U.T.M.)} \\ Z = 189.96 \text{ m} \end{cases}$

Gravedad observada $g_{67} = 979879.95 \text{ mgals}$ (Septiembre 1.984)

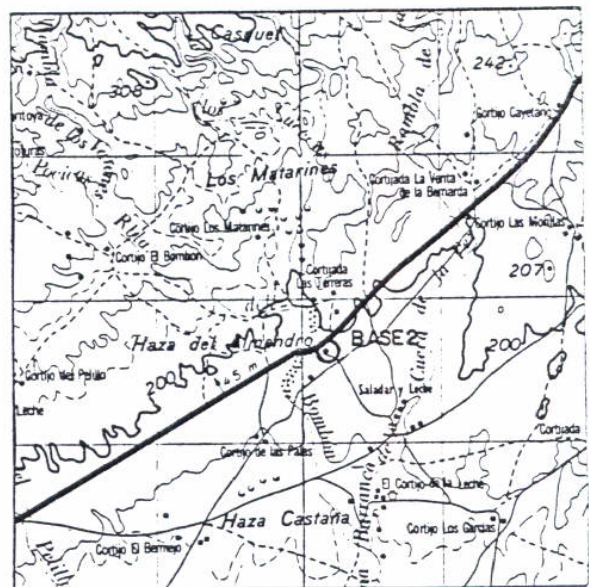
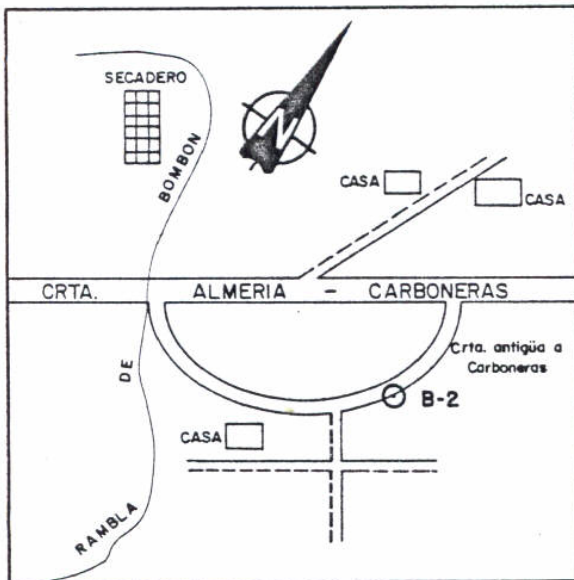


Fig. 7

BASE GRAVIMETRICA N° 3

Hoja 1:50.000 n° 1046

Coordenadas: $\begin{cases} X = 576.483 \text{ (U.T.M.)} \\ Y = 4.087.441 \text{ (U.T.M.)} \\ Z = 123.51 \text{ m} \end{cases}$

Gravedad observada $g_{67} = 979889.16 \text{ mgales (Septiembre 1.984)}$

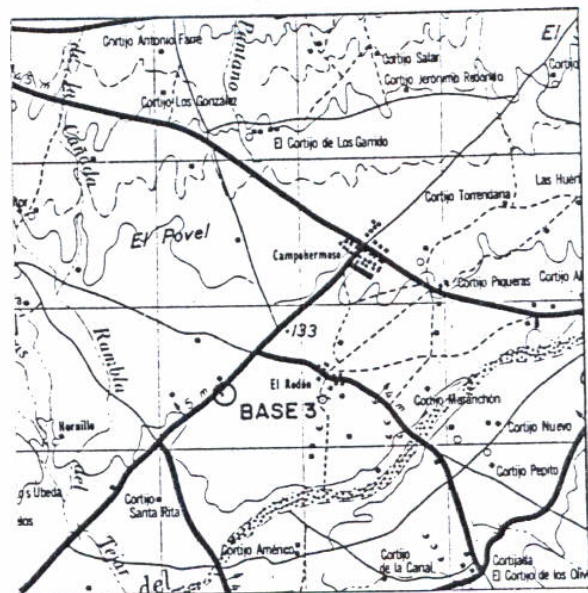
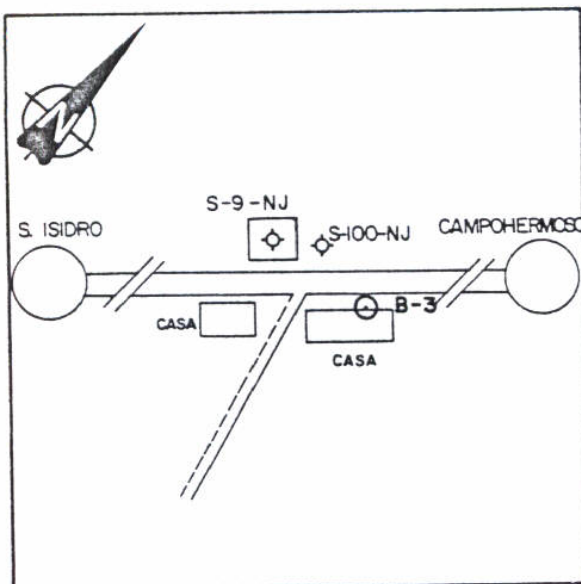


Fig. 8

Para estimar la precisión de las medidas, 36 de éstas (11,6%), se repitieron en programas diferentes. En la tabla adjunta se indican las diferencias de gravedad obtenidas y los parámetros estadísticos resultantes.

3.3.3.- Reducción de las medidas

Las lecturas del gravímetro se corrigieron del efecto lunisolar, mediante un programa de ordenador publicado por "Indiana Geological Survey", con apreciación de media centésima de miligal.

Eliminado de las medidas el efecto lunisolar, estas se corrigieron de deriva, repartiendo la diferencia de medidas obtenida en las bases de partida y llegada, linealmente en función del tiempo, entre las estaciones del itinerario.

La gravedad observada, g_0 , se obtiene por adición algebraica del incremento resultante entre la base y la estación, al valor de gravedad obtenido para la base mediante el enlace con la Red Nacional.

El cálculo del efecto topográfico "T" se realizó en dos fases. La primera sobre el terreno al efectuar el levantamiento de la estación. Abarcaba de la zona B a la C de la plantilla de Hammer.

La segunda fase se realizó en gabinete sobre mapa de la zona a escala 1/50.000 usando las plantillas de Hammer desde la zona E a la H.

La zona presenta una topografía excelente para trabajos gravimétricos, por lo que la influencia del efecto topográfico

REPETICIONES EN EL FICHERO ALGRCDF1 (REGISTROS 1 a 423)

Nf2	Nf1	Per	Est	G1	G2	Dif	Fecha 1	Fecha 2
45	9	1	27	858.58	858.56	.02	190984	200984
46	3	1	8	870.87	870.99	-.12	190984	200984
77	60	1	46	868.69	868.72	-.03	200984	210984
84	70	1	60	876.12	875.95	.17	200984	210984
85	34	1	43	875.77	875.86	-.09	190984	210984
115	37	1	68	870.32	870.34	-.02	190984	240984
140	121	1	88	877.62	877.70	-.08	240984	250984
144	125	1	115	874.81	874.91	-.10	240984	250984
156	92	1	100	883.28	883.32	-.05	210984	250984
157	70	1	60	876.12	875.93	.19	200984	250984
158	108	1	84	882.10	881.98	.12	210984	250984
173	106	1	99	887.57	887.44	.13	210984	270984
174	100	1	98	884.70	884.62	.08	210984	270984
175	98	1	102	880.82	880.82	0.00	210984	270984
178	169	1	129	889.92	889.92	-0.00	250984	270984
185	151	1	128	885.73	885.74	-.01	250984	270984
199	163	1	92	883.89	883.94	-.05	250984	270984
209	196	1	167	890.04	890.18	-.14	270984	280984
219	202	1	160	890.99	891.11	-.12	270984	280984
255	143	1	112	880.45	880.31	.14	250984	21084
265	230	1	188	885.94	885.94	-0.00	280984	21084
271	206	1	177	891.28	891.30	-.02	280984	21084
294	281	1	218	879.32	879.32	0.00	41084	51084
300	287	1	230	881.42	881.43	-.01	41084	51084
324	317	1	238	878.17	878.08	.08	51084	81084
325	310	1	241	881.47	881.41	.06	51084	81084
330	247	1	209	872.15	872.11	.03	21084	81084
334	243	1	198	874.81	874.70	.10	21084	81084
339	224	1	184	889.48	889.39	.09	280984	81084
346	233	1	170	885.42	885.37	.05	280984	81084
349	297	1	233	870.96	870.91	.06	51084	91084
352	288	1	228	872.90	872.87	.03	41084	91084
354	335	1	192	885.81	885.82	-.02	81084	91084
406	370	1	273	886.96	886.99	-.03	91084	111084
420	368	1	271	889.21	889.22	-0.00	91084	111084
421	362	1	263	882.89	882.87	.03	91084	111084

Numero de repeticiones realizadas 36
 Error cuadratico medio (mgals)058
 Porcentaje de repeticiones <0.04 mgals .. 44.4

es mínimo.

Los valores de estas correcciones se calcularon para densidad de 2 gr/cm^3 , transformándose posteriormente para los valores de densidad media adoptados en la zona.

La corrección de altura "(F-Bxd)" se realizó con un valor del coeficiente de Faye de 0.30854 mgal/m y de Bouguer $-0.04192xd \text{ mgal/m}$, siendo $d = 2 \text{ gr/cm}^3$.

Para el cálculo de la gravedad normal " g_n ", se ha utilizado la fórmula de la gravedad 1.967:

$$g_n = 978031.85 (1 + 0.005278895 \text{ sen}^2\psi + 0.000023462 \text{ sen}^4\psi) \text{ mgals.}$$

en la que 978031.85 , es el valor de la gravedad en el ecuador, y " ψ ", la latitud del punto.

El cálculo de la gravedad normal para cada punto se hizo mediante ordenador a partir del valor de la latitud de cada estación, deducida de sus coordenadas UTM.

3.3.4.- Cálculo de Anomalías de Bouguer

La anomalía de Bouguer " A_B " viene definida por la siguiente expresión:

$$A_B = g_0 - |g_n - (F-Bxd) \times Z - T|$$

siendo Z la cota absoluta de la estación en metros.

Los valores de anomalía de Bouguer se calcularon mediante un programa de ordenador.

Con los datos de entrada:

- . Número de estación.
- . Coordenadas U.T.M. de la estación en m.
- . Cota de la estación en cm.
- . Valor de la gravedad medida en cmgal.
- . Efecto topográfico en cmgal.

se obtuvieron los siguientes datos de salida:

- . Número de estación
- . Coordenadas U.T.M. (X, Y) en m.
- . Cota (Z) en m.
- . Gravedad medida (G) en mgals.
- . Gravedad normal (GN) en mgals.
- . Efecto topográfico (T) en mgals.
- . Anomalía de Bouguer (A) para $d = 2.0 \text{ gr/cm}^3$.
- . Factor de conversión (C).
- . Anomalía de Bouguer para $d = 2.3 \text{ gr/cm}^3$ (A1) en mgals.

Este listado de salida se adjunta al final del texto. -
(Anexo IV).

4.- RESULTADOS E INTERPRETACION

4.1.- PLANO DE ANOMALIA DE BOUGUER

Con los valores de Anomalia de Bouguer en densidad 2.3 gr/cm^3 , se ha realizado el plano n° 3, con equidistancia entre isolíneas de 1 mgal.

La elección de esta densidad de reducción se apoya principalmente en el conocimiento de la columna litológica que constituye la cubierta sedimentaria.

En este plano se ve claramente la existencia de un mínimo gravimétrico que corresponde a la cuenca terciario-cuaterna, según la dirección de máxima elongación del estudio. Este mínimo sufre un importante ensanchamiento al SW a partir del umbral NW-SE, que prácticamente divide la cuenca en dos depresiones de características diferentes en cuanto a profundidad y compartimentación estructural.

La separación Regional-Residual ($d = 2.3 \text{ gr/cm}^3$), se realizó por un procedimiento de ajuste polinómico de superficies. En el Anexo V se presenta el listado correspondiente a los residuos con ajuste de superficies de grado 1 y 3.

4.2.- PLANO RESIDUAL DE BOUGUER

Tanto por el tamaño del área de estudio y el estilo del Mapa de Bouguer, como por la estadística del ajuste, hemos elegido

do el Residual de Grado 1 (Regional Plano) como más representativo para trazar el Plano Residual de Bouguer (Plano n° 4).

Las diferencias con el Plano de Bouguer no son grandes, reflejando claramente las principales estructuras, aunque alguna puede quedar enmascarada por diferenciaciones del zócalo. - Como ejemplo, los sondeos mecánicos números 127, 169 y 661, espacialmente próximos, dan una profundidad al substrato (en este caso volcánico mioceno) no correlacionable con la anomalía gravimétrica. Puede tratarse de alguna colada estratificada intramiocena o de volcánico detrítico que no presente contraste de densidad. Mayores conocimientos geológicos o el apoyo de otros métodos geofísicos (SEV, Magnetometría), podrían ayudar a resolver esta falta de correlación gravimétrica.

4.3.- PERFIL LONGITUDINAL INTERPRETADO

Basándonos en un método similar al descrito por QURESHI y MULA, hemos realizado la interpretación de un perfil longitudinal al área de estudio, que se apoya en dos sondeos mecánicos (números 156 y 627 de Nijar) cuya profundidad al substrato es de 535 y 326 m respectivamente.

En este método, que supone uniforme tanto el substrato como el recubrimiento, a efectos de densidad, se calcula la profundidad en cada punto mediante una lámina. A continuación se calcula la anomalía gravimétrica generada por el modelo obtenido y la diferencia con la real se vuelve a ajustar como una lámina. En pocas iteraciones se consigue un buen ajuste.

El resultado obtenido, para un contraste de densidad igual a -0.5 gr/cm^3 y de acuerdo con los dos sondeos mecánicos de apoyo, puede verse en el Plano n° 5.

En este perfil, la profundidad del substrato máxima es del orden de 800 m en el extremo SW del mismo, y la mínima del orden de 120 m sobre el importante umbral tectónico del zócalo.

5.- CONCLUSIONES

. La respuesta gravimétrica del área estudiada puede considerarse buena. Para el objetivo perseguido, la malla de observaciones empleada es adecuada. El gradiente gravimétrico es fuerte en varias zonas como reflejo de la estructura y del contraste de densidad cobertera-zócalo.

. En el Plano Residual de Bouguer pueden verse varios mínimos gravimétricos que corresponden a los ejes de la cuenca terciario-cuaternaria. Los ejes máximos pueden reflejar el substrato alpujarride o volcánico.

. Cabe la posibilidad, según datos de algún sondeo mecánico, que diferenciaciones del substrato volcánico no den respuesta gravimétrica.

. Se ha realizado la interpretación cuantitativa de un perfil de Anomalía Residual, longitudinal al área estudiada, apoyado en dos sondeos mecánicos que tocan el zócalo.

ANEXO I.

Num.	Eaux	X	Y	Z
1	444	569932	4083355	142.46
2	1	569668	4081658	121.30
3	2	569086	4081815	138.48
4	3	568186	4083246	157.86
5	4	568303	4084280	199.81
6	5	569322	4081507	101.14
7	6	570778	4082567	121.65
8	7	571285	4082419	106.22
9	8	570861	4082956	120.28
10	9	571450	4082716	109.89
11	10	569170	4081521	114.50
12	11	568535	4081832	139.28
13	12	567673	4085681	237.05
14	13	570238	4084369	153.06
15	14	567550	4085633	237.27
16	15	567546	4086892	282.91
17	16	570052	4086407	214.78
18	17	570774	4087630	223.05
19	18	570810	4087634	223.01
20	19	571265	4087938	222.88
21	20	569377	4087369	254.53
22	21	572341	4087760	192.56
23	22	571884	4088432	216.14
24	23	571217	4088501	242.82
25	24	572559	4089585	216.60
26	25	573219	4089360	185.80
27	26	573588	4089047	170.95
28	27	575346	4089436	159.56
29	28	572316	4088135	195.64
30	29	575524	4089945	173.17
31	30	575193	4088699	151.92
32	31	575427	4087745	132.38
33	32	572771	4086338	143.54
34	33	573743	4085281	140.68
35	34	576114	4091158	221.00
36	35	576491	4090077	187.71
37	36	577004	4090134	187.65
38	37	577914	4090424	189.68
39	38	578850	4090968	189.23
40	39	571578	4082928	110.49
41	40	571841	4083362	117.09
42	41	571448	4083350	116.20
43	42	571402	4083837	125.88
44	43	571244	4083979	130.27
45	44	571251	4083993	131.68
46	45	572012	4083649	118.18
47	46	572557	4084024	118.76
48	47	572823	4084234	118.12
49	48	572797	4084278	119.07
50	49	575829	4089327	159.24

Num.	Eaux	X	Y	Z
51	50	576035	4089287	160.07
52	51	576343	4089157	159.22
53	52	577479	4088294	161.42
54	53	577481	4088294	161.37
55	54	577481	4088292	161.42
56	55	579184	4087924	132.31
57	56	579875	4089293	152.36
58	57	576879	4084914	121.82
59	58	577408	4086992	123.23
60	59	575478	4086512	118.23
61	60	577394	4086990	123.10
62	61	576825	4084828	120.62
63	62	580227	4089251	153.81
64	63	580130	4089849	162.97
65	64	582451	4090829	190.14
66	65	582155	4090059	166.80
67	66	580149	4091970	204.03
68	67	580082	4092047	208.30
69	68	580216	4092228	217.71
70	69	580186	4092409	222.66
71	70	581794	4092463	210.91
72	71	580497	4093216	242.39
73	448	582802	4093800	240.20
74	72	583841	4095040	240.55
75	73	583205	4095210	245.46
76	74	582894	4092126	220.69
77	75	585349	4093360	223.45
78	76	586377	4093619	236.06
79	77	582850	4092213	222.60
80	78	570145	4079353	78.28
81	79	572533	4080832	119.87
82	80	573527	4081496	125.30
83	81	570474	4084511	153.02
84	82	570741	4084349	145.26
85	83	573164	4086515	145.38
86	84	574967	4082306	137.52

ANEXO II

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
1	444	D	0	1	209.80	299.162	1718.2	-1697.7	-263.4	-21.20
2	444	D	0	2	231.96	299.805	1757.6	-1540.7	-845.8	-3.98
3	444	D	0	3	296.03	300.509	1749.4	-109.0	-1745.9	15.40
4	444	D	0	4	332.87	301.899	1873.5	924.5	-1628.5	57.32
5	1	D	0	444	9.80	300.799	1718.2	1697.7	263.4	21.12
6	1	D	1	11	233.72	298.119	1125.9	-971.2	-568.6	-32.88
7	1	D	1	1	285.42	295.117	306.4	-69.4	-297.5	-23.18
8	1	D	1	12	197.78	296.246	615.8	-614.4	21.4	-35.97
9	1	D	0	12	273.86	296.539	377.7	-150.5	-345.8	-20.13
10	1	D	1	13	213.84	298.081	1206.4	-1177.5	-260.1	-35.96
11	1	D	1	2	1.00	297.924	362.0	361.8	5.7	-11.49
12	1	D	1	3	16.79	299.546	807.9	779.9	210.6	-5.42
13	1	D	1	14	124.82	297.250	668.6	-253.9	617.9	-28.54
14	1	D	1	4	19.73	299.784	1306.9	1244.6	398.6	-4.02
15	1	D	1	15	102.54	298.375	975.2	-38.9	974.1	-24.52
16	1	D	1	5	19.18	300.451	1797.8	1716.8	533.5	12.26
17	1	D	1	16	65.97	298.805	706.8	360.0	608.1	-12.86
18	1	D	0	2	316.78	301.881	603.4	157.1	-582.3	17.19
19	1	D	0	6	56.27	299.996	1434.8	909.9	1109.4	.35
20	1	D	1	17	56.27	299.996	1434.8	909.9	1109.4	.35
21	1	D	1	18	88.00	298.966	1267.1	237.4	1244.5	-20.17
22	6	D	0	1	256.27	299.961	1434.7	-909.8	-1109.3	-.34
23	6	D	0	7	118.13	298.099	528.9	-148.5	507.4	-15.43
24	6	D	1	19	118.13	298.099	528.9	-148.5	507.4	-15.43
25	6	D	0	8	13.52	299.725	397.8	388.9	83.8	-1.37
26	6	D	1	20	13.52	299.725	397.8	388.9	83.8	-1.37
27	7	D	0	6	318.13	301.813	528.9	148.5	-507.4	15.43
28	7	D	0	9	32.26	300.620	340.5	297.7	165.2	3.67
29	7	D	1	21	203.66	299.285	527.5	-526.6	-30.3	-7.59
30	7	D	1	22	150.40	298.921	503.8	-358.4	353.9	-8.16
31	5	D	0	1	73.86	303.335	377.6	150.5	345.7	20.10
32	5	D	0	10	305.65	305.405	154.0	13.6	-152.8	13.41
33	5	D	1	6	248.43	298.648	403.3	-292.1	-278.0	-8.26
34	10	D	0	5	105.65	294.288	154.0	-13.6	152.8	-13.41
35	10	D	1	7	322.81	298.283	442.9	155.3	-414.6	-11.55
36	10	D	0	11	329.02	302.201	707.8	311.4	-635.1	24.83
37	4	D	0	444	132.87	298.067	1873.5	-924.5	1628.5	-57.33
38	4	D	1	8	242.11	297.803	1166.5	-919.9	-716.1	-39.84
39	4	D	0	11	194.00	298.413	2459.8	-2448.1	231.4	-60.58
40	4	D	1	9	210.44	297.689	1782.6	-1757.5	-290.8	-64.08
41	4	D	1	10	200.00	297.883	1406.3	-1405.5	0.0	-46.35
42	4	D	1	23	208.30	297.238	934.0	-925.2	-121.3	-40.16
43	4	D	1	24	254.47	296.882	282.4	-185.0	-212.9	-13.54
44	4	D	1	25	365.63	299.828	451.0	386.9	-231.8	-.92
45	4	D	1	26	369.61	300.610	931.6	827.4	-428.0	9.35
46	4	D	0	12	373.09	301.525	1536.8	1401.1	-630.3	37.24
47	4	D	1	27	373.09	301.525	1536.8	1401.1	-630.3	37.24
48	4	D	1	28	35.42	295.849	288.4	244.4	152.0	-18.50
49	4	D	1	29	149.85	296.418	643.1	-452.9	455.1	-35.84
50	4	D	1	30	170.69	297.130	1271.6	-1138.0	564.4	-56.86

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
51	4	D	1	31	172.59	297.976	2064.0	-1874.7	861.0	-64.95
52	4	D	1	32	274.95	298.900	1097.7	-420.8	-1013.7	-18.60
53	4	D	1	33	317.36	300.815	1217.9	328.0	-1172.8	15.97
54	444	D	0	1	0.00	200.000	0.0	0.0	0.0	2.38
55	444	D	1	34	353.26	300.905	589.0	437.2	-394.6	9.54
56	444	D	1	35	33.15	299.990	595.7	516.7	296.4	.08
57	444	D	0	13	18.71	300.561	1058.3	1012.9	306.6	10.54
58	444	D	1	36	18.71	300.561	1058.3	1012.9	306.6	10.54
59	12	D	0	4	173.09	298.428	1536.9	-1401.2	630.3	-37.42
60	12	D	0	14	275.96	299.953	132.2	-48.7	-122.9	.22
61	12	D	0	15	393.36	302.376	1218.0	1210.5	-126.7	45.86
62	12	D	1	37	393.36	302.376	1218.0	1210.5	-126.7	45.86
63	12	D	1	38	389.58	302.225	547.9	540.2	-89.2	19.48
64	13	D	0	444	218.71	299.398	1058.3	-1012.9	-306.6	-10.66
65	13	D	0	16	394.20	301.903	2046.4	2037.0	-186.1	61.68
66	13	D	1	39	2.18	301.374	490.2	489.8	16.8	10.82
67	13	D	1	40	291.24	300.966	712.9	-97.8	-706.1	11.08
68	16	D	0	13	194.20	298.062	2046.4	-2037.0	186.1	-61.76
69	16	D	0	445	106.92	293.306	218.8	-23.6	216.3	-22.71
70	16	D	1	41	186.00	297.337	1069.8	-1043.1	233.2	-44.40
71	16	D	1	45	199.00	297.267	932.0	-931.0	14.6	-39.66
72	16	D	1	42	171.02	296.408	615.5	-551.9	270.2	-34.43
73	16	D	1	43	107.20	294.135	315.5	-35.5	312.2	-28.77
74	16	D	1	44	235.86	297.120	595.1	-502.6	-317.4	-26.62
75	16	D	0	17	33.97	300.354	1418.5	1221.3	721.5	8.28
76	16	D	1	46	300.68	299.881	1002.2	10.7	-1002.1	-1.55
77	16	D	1	47	312.65	300.565	1456.8	287.6	-1428.1	13.32
78	16	D	1	48	313.71	301.477	2028.3	433.3	-1980.9	47.58
79	16	D	1	49	232.39	298.258	1403.3	-1225.1	-683.3	-37.94
80	16	D	1	50	274.35	299.800	1361.4	-533.8	-1252.4	-3.90
81	16	D	1	51	109.80	296.811	881.5	-135.0	870.0	-43.75
82	16	D	1	52	72.96	298.065	1051.9	433.3	958.0	-31.63
83	18	D	0	17	293.31	299.658	36.2	-3.8	-36.0	.05
84	18	D	0	19	62.62	299.947	546.5	302.8	455.0	-.13
85	18	D	1	61	118.61	296.550	799.1	-229.9	764.1	-43.00
86	18	D	1	62	144.34	297.422	1373.4	-880.4	1052.7	-55.23
87	18	D	1	63	102.10	297.990	1477.5	-48.7	1476.0	-46.25
88	18	D	1	64	342.03	300.971	822.4	504.3	-649.5	12.83
89	18	D	0	20	288.36	301.360	1457.3	-264.9	-1432.7	31.52
90	18	D	1	65	288.36	301.360	1457.3	-264.9	-1432.7	31.52
91	19	D	0	18	262.62	299.989	546.5	-302.8	-455.0	.14
92	19	D	0	21	89.56	298.215	1091.8	178.2	1076.7	-30.32
93	19	D	1	66	89.56	298.215	1091.8	178.2	1076.7	-30.32
94	19	D	1	67	72.12	297.530	710.2	300.9	642.7	-27.30
95	19	D	0	22	57.12	299.434	790.7	493.2	618.0	-6.78
96	19	D	0	23	394.65	302.220	565.0	562.7	-47.4	19.94
97	19	D	1	68	6.68	299.780	897.1	892.2	94.0	-2.84
98	19	D	1	69	33.80	299.680	1256.5	1083.5	636.2	-6.00
99	19	D	1	70	41.34	299.617	1870.9	1490.1	1131.3	-10.81
100	16	D	0	13	0.00	200.000	0.0	0.0	0.0	1.46

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
101	16	D	1	53	386.31	300.269	395.4	386.3	-84.4	.12
102	16	D	1	54	389.12	301.514	1085.3	1069.2	-184.5	26.10
103	16	D	1	55	94.30	297.876	1437.0	128.4	1430.4	-47.57
104	16	D	1	56	120.80	297.480	1414.3	-453.6	1338.4	-56.57
105	17	D	0	16	233.97	299.618	1418.5	-1221.3	-721.5	-8.26
106	17	D	1	57	230.60	297.738	661.9	-586.5	-305.8	-23.26
107	17	D	0	18	93.31	299.543	36.2	3.8	36.0	-.04
108	17	D	1	58	330.25	297.049	238.1	108.8	-211.5	-10.80
109	17	D	1	59	391.90	300.828	1022.7	1014.3	-129.8	13.61
110	17	D	1	60	52.40	297.714	413.5	281.0	303.0	-14.61
111	22	D	0	19	257.12	300.515	790.7	-493.2	-618.0	6.72
112	22	D	0	24	33.74	300.003	1335.9	1152.6	675.3	.41
113	22	D	1	71	390.62	300.779	1155.9	1143.3	-169.7	14.52
114	22	D	1	72	357.30	301.243	1199.1	939.2	-745.2	23.73
115	24	D	0	22	233.74	299.958	1335.9	-1152.6	-675.3	-.48
116	24	D	1	73	151.45	296.813	423.9	-306.1	292.5	-20.98
117	24	D	1	74	130.34	297.438	993.6	-455.4	882.2	-41.63
118	24	D	1	75	55.75	298.459	471.0	301.6	361.6	-11.05
119	24	D	1	76	83.68	298.310	1106.1	280.4	1069.6	-31.05
120	24	D	0	25	120.87	297.155	697.9	-224.5	660.1	-30.85
121	25	D	0	24	320.87	302.806	697.9	224.5	-660.1	30.79
122	25	D	0	26	144.78	298.005	484.4	-313.2	369.2	-14.90
123	26	D	0	25	344.78	301.906	484.4	313.2	-369.3	14.84
124	26	D	1	77	132.64	298.336	525.8	-257.8	458.0	-13.47
125	26	D	0	27	86.13	299.610	1800.3	389.1	1757.7	-11.60
126	26	D	1	83	86.13	299.610	1800.3	389.1	1757.7	-11.60
127	26	D	1	78	129.75	298.530	1159.0	-522.0	1034.5	-26.39
128	26	D	1	79	242.70	299.975	962.2	-753.8	-598.1	-.09
129	26	D	1	80	61.89	299.957	1571.6	885.6	1298.3	-.67
130	26	D	1	81	24.30	300.970	1300.6	1206.9	484.4	20.16
131	26	D	1	82	67.40	299.406	1137.5	557.3	991.5	-11.31
132	26	D	1	84	74.92	299.060	674.8	259.0	623.0	-13.48
133	22	D	0	24	33.74	300.003	1335.9	1152.6	675.3	.41
134	22	D	0	28	138.41	297.485	525.2	-297.8	432.1	-20.50
135	27	D	0	26	286.13	300.386	1800.4	-389.1	-1757.8	11.40
136	27	D	0	29	21.39	301.582	538.5	508.2	177.5	13.63
137	27	D	1	86	21.39	301.582	538.5	508.2	177.5	13.63
138	27	D	1	85	230.35	298.787	838.5	-744.9	-384.7	-17.70
139	27	D	0	30	213.05	299.332	753.3	-737.5	-153.3	-7.64
140	30	D	0	27	13.05	300.623	753.3	737.5	153.3	7.63
141	30	D	1	87	43.08	301.210	1719.8	1340.6	1076.8	33.11
142	30	D	1	88	57.36	300.964	2311.5	1434.9	1811.9	35.59
143	30	D	1	89	25.75	301.279	2003.7	1841.6	788.4	40.82
144	30	D	1	90	390.26	301.061	1808.9	1787.5	-275.6	30.69
145	30	D	1	91	59.15	300.496	998.9	597.9	800.2	7.08
146	30	D	1	92	87.25	300.140	1422.9	283.1	1394.5	2.49
147	30	D	1	93	100.53	299.855	1831.5	-15.2	1831.4	-6.72
148	30	D	1	94	139.05	299.138	1828.3	-1052.4	1494.9	-26.31
149	30	D	1	95	161.57	298.320	690.0	-567.9	391.6	-17.86
150	30	D	1	96	147.73	298.915	1151.0	-784.2	842.3	-21.31

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
151	30	D	1	97	179.20	298.780	1336.5	-1265.6	428.9	-27.27
152	30	D	0	31	184.65	298.715	982.1	-953.5	234.5	-19.54
153	30	D	1	98	248.55	299.400	1472.9	-1064.9	-1017.5	-13.48
154	30	D	1	99	219.00	299.010	1631.1	-1558.8	-479.6	-26.96
155	28	D	0	22	338.41	302.455	525.2	297.8	-432.2	20.50
156	28	D	0	32	184.20	298.190	1853.9	-1796.4	455.2	-52.25
157	28	D	1	100	205.10	298.616	2164.1	-2156.6	-173.1	-48.54
158	28	D	1	101	131.84	297.478	535.1	-256.4	469.2	-20.96
159	28	D	1	102	131.95	297.940	1242.1	-597.2	1088.4	-39.88
160	28	D	1	103	127.78	298.095	1726.3	-729.3	1563.8	-51.24
161	28	D	1	104	170.82	297.780	968.1	-867.6	428.1	-33.47
162	32	D	0	28	384.20	301.765	1853.9	1796.4	-455.2	51.92
163	32	D	0	33	152.78	299.855	1433.2	-1056.7	968.2	-2.86
164	29	D	0	27	221.39	298.361	538.5	-508.2	-177.5	-13.59
165	29	D	0	34	28.82	302.239	1349.7	1213.0	590.0	47.83
166	29	D	1	105	28.82	302.239	1349.7	1213.0	590.0	47.83
167	29	D	0	35	91.32	300.924	977.4	132.8	968.2	14.50
168	35	D	0	29	291.32	299.031	977.4	-132.8	-968.2	-14.57
169	35	D	0	36	93.05	299.959	515.8	56.2	512.7	-.07
170	36	D	0	35	293.05	299.979	515.8	-56.2	-512.7	.07
171	36	D	0	37	80.32	300.112	955.5	290.7	910.2	1.97
172	36	D	1	106	178.87	298.009	695.6	-657.3	226.5	-21.49
173	36	D	1	107	396.26	301.880	1095.6	1093.2	-64.3	32.65
174	36	D	1	108	81.12	299.952	650.9	190.2	622.5	-.24
175	36	D	1	109	120.40	298.823	764.7	-240.8	725.6	-13.86
176	37	D	0	36	280.32	299.842	955.5	-290.7	-910.2	-2.09
177	37	D	1	115	2.52	301.520	978.0	977.0	38.7	23.63
178	37	D	1	110	66.90	299.667	385.8	191.7	334.8	-1.79
179	37	D	0	38	66.57	299.955	1081.7	542.3	936.0	-.46
180	37	D	1	111	66.57	299.955	1081.7	542.3	936.0	-.46
181	37	D	1	112	66.43	299.918	1773.7	892.6	1532.8	-3.85
182	37	D	1	113	350.22	301.401	684.7	485.7	-482.4	15.32
183	37	D	1	114	363.64	301.750	1196.3	1006.0	-646.5	31.20
184	37	D	1	116	1.78	301.751	1507.9	1506.7	42.1	41.84
185	37	D	1	117	381.00	302.070	2072.0	1979.4	-608.9	67.87
186	37	D	1	118	389.17	302.231	2628.8	2589.3	-444.8	92.80
187	37	D	1	119	100.86	298.656	451.6	-6.1	451.5	-9.30
188	37	D	1	120	91.56	299.371	1256.0	166.0	1244.9	-14.08
189	37	D	1	121	145.21	298.451	1147.5	-747.9	869.8	-29.61
190	37	D	1	122	149.80	298.310	1310.7	-923.6	929.4	-36.45
191	37	D	1	123	201.61	298.381	1618.6	-1617.6	-40.9	-42.76
192	37	D	1	124	164.87	297.955	650.2	-553.4	340.7	-20.64
193	33	D	1	125	66.90	297.785	876.2	435.1	760.0	-30.15
194	33	D	1	126	64.63	296.762	489.0	257.6	414.9	-24.56
195	33	D	1	127	230.63	294.668	296.6	-262.0	-136.8	-24.52
196	33	D	1	128	244.93	298.521	997.8	-759.2	-647.0	-22.83
197	33	D	1	129	144.43	296.859	703.5	-451.5	538.4	-34.38
198	33	D	1	130	143.72	298.071	1321.3	-837.4	1021.3	-39.55
199	33	D	1	131	97.26	298.124	1182.2	50.8	1180.6	-34.47
200	33	D	1	132	106.84	298.680	1768.8	-189.6	1758.2	-36.11

N.F.	Cod	Est	Lect.Gr	Hora	Ls	Fecha	Valor
201	0	159	1252.65	13 27	-.001	0	890.35
202	0	160	1259.65	13 32	.001	0	890.99
203	2	447	1239.55	13 43	.007	0	889.16
204	1	447	1239.65	8 15	-.013	280984	889.16
205	0	178	1254.00	8 22	-.018	0	890.46
206	0	177	1263.15	8 28	-.022	0	891.28
207	0	174	1264.30	8 35	-.026	0	891.38
208	0	168	1261.20	8 40	-.029	0	891.10
209	3	167	1251.10	8 45	-.033	0	890.18
210	0	166	1263.35	8 50	-.036	0	891.29
211	0	175	1255.65	8 58	-.040	0	890.58
212	0	176	1258.10	9 3	-.042	0	890.80
213	0	179	1266.00	9 10	-.047	0	891.52
214	0	165	1247.90	9 18	-.050	0	889.87
215	0	164	1240.05	9 23	-.053	0	889.16
216	0	173	1263.40	9 29	-.056	0	891.27
217	0	163	1252.45	9 33	-.057	0	890.28
218	0	162	1257.90	9 38	-.059	0	890.77
219	3	160	1261.70	9 44	-.062	0	891.11
220	2	447	1240.25	9 57	-.066	0	889.16
221	1	447	1240.25	9 57	-.066	280984	889.16
222	0	182	1245.75	10 10	-.069	0	889.65
223	0	187	1248.50	10 35	-.073	0	889.89
224	0	184	1244.05	10 44	-.074	0	889.48
225	0	183	1240.45	10 52	-.074	0	889.15
226	2	447	1240.55	11 8	-.073	0	889.16
227	1	447	1240.55	11 8	-.073	280984	889.16
228	2	447	1243.10	13 20	-.038	0	889.16
229	1	447	1243.10	13 20	-.038	280984	889.16
230	0	188	1207.45	13 37	-.031	0	885.94
231	0	189	1228.85	13 42	-.029	0	887.89
232	0	172	1232.05	13 50	-.026	0	888.19
233	0	170	1201.50	13 53	-.026	0	885.42
234	2	447	1242.75	13 53	-.025	0	889.16
235	1	447	1238.30	7 58	-.041	270984	889.16
236	0	75	1042.35	8 7	-.057	0	871.37
237	2	447	1238.60	8 20	-.065	0	889.16
238	1	446	1153.75	8 11	.082	21084	879.95
239	0	89	1115.90	8 23	.079	0	876.51
240	0	90	1149.15	8 34	.076	0	879.52
241	0	81	1108.90	8 45	.073	0	875.87
242	0	200	1117.50	9 0	.068	0	876.64
243	0	198	1097.35	9 7	.061	0	874.81
244	0	212	1065.75	9 18	.062	0	871.94
245	0	196	1116.10	9 36	.055	0	876.50
246	0	197	1105.25	9 45	.052	0	875.51
247	0	209	1068.20	9 55	.048	0	872.15
248	0	208	1129.85	10 2	.046	0	877.74
249	2	446	1154.30	10 9	.042	0	879.95
250	1	446	1154.30	10 9	.042	21084	879.95

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
201	33	D	1	133	67.70	298.522	1335.3	648.6	1166.8	-30.60
202	33	D	1	134	62.80	299.000	1788.8	986.7	1491.8	-27.60
203	33	D	1	135	45.40	298.883	1383.5	1046.2	905.0	-23.80
204	33	D	1	137	392.55	300.264	1906.5	1893.4	-222.6	8.43
205	33	D	1	138	384.83	298.990	725.4	704.8	-171.2	-11.19
206	33	D	1	136	367.32	300.118	1333.6	1161.7	-654.9	2.86
207	33	D	1	139	288.35	299.488	1263.4	-229.9	-1242.3	-9.77
208	33	D	1	140	248.53	298.972	1345.0	-972.6	-928.7	-21.31
209	33	D	1	141	231.57	298.870	1560.9	-1372.7	-742.6	-29.26
210	33	D	1	142	210.83	298.800	2206.6	-2174.4	-373.5	-42.98
211	33	D	1	143	206.07	297.731	863.3	-858.8	-82.1	-30.34
212	33	D	1	144	183.67	298.168	1502.5	-1452.7	381.0	-42.73
213	9	D	0	7	232.26	299.277	340.5	-297.7	-165.2	-3.63
214	9	D	0	39	34.53	300.097	246.8	211.4	127.4	.61
215	9	D	1	145	34.53	300.097	246.8	211.4	127.4	.61
216	9	D	0	40	34.62	300.580	756.2	647.1	391.2	7.16
217	9	D	1	146	34.62	300.580	756.2	647.1	391.2	7.16
218	39	D	0	9	234.53	299.788	246.8	-211.4	-127.4	-.58
219	39	D	1	147	178.92	298.341	477.4	-451.3	155.2	-12.18
220	39	D	0	9	234.53	200.000	0.0	0.0	0.0	1.47
221	39	D	0	41	381.06	300.780	441.7	422.3	-129.5	5.69
222	39	D	1	148	381.06	300.780	441.7	422.3	-129.5	5.69
223	41	D	0	39	181.06	299.142	441.7	-422.3	129.5	-5.74
224	41	D	0	42	394.04	301.230	489.0	486.8	-45.7	9.66
225	42	D	0	41	194.04	298.702	489.0	-486.8	45.7	-9.71
226	42	D	0	43	346.42	301.239	212.8	141.8	-158.7	4.38
227	42	D	1	149	346.42	301.239	212.8	141.8	-158.7	4.38
228	43	D	0	42	146.42	298.609	212.8	-141.7	158.7	-4.40
229	43	D	1	150	366.75	301.630	705.8	611.5	-352.0	16.34
230	43	D	0	44	29.66	305.780	15.7	14.0	7.0	1.41
231	44	D	0	43	229.66	293.536	15.7	-14.0	-7.0	-1.40
232	44	D	1	151	34.61	300.856	558.9	478.3	289.1	5.72
233	40	D	0	9	234.62	299.370	756.1	-647.0	-391.2	-7.23
234	40	D	0	45	34.00	300.160	335.3	288.6	170.7	1.07
235	40	D	1	152	137.42	298.703	411.3	-228.0	342.2	-8.14
236	45	D	0	40	234.00	299.744	335.3	-288.6	-170.7	-1.10
237	45	D	0	46	62.52	300.040	662.7	368.0	551.1	.69
238	46	D	0	45	262.52	299.909	662.7	-368.0	-551.1	-.66
239	46	D	0	47	57.12	299.830	340.1	212.1	265.8	-.66
240	46	D	1	153	60.34	299.112	23.4	13.7	19.0	-.09
241	46	D	1	154	354.80	300.839	556.3	421.8	-362.6	7.67
242	47	D	0	46	257.12	300.075	340.1	-212.1	-265.8	.63
243	47	D	0	48	367.86	300.854	53.5	46.8	-25.9	.96
244	48	D	0	47	167.86	298.613	53.3	-46.6	25.8	-.94
245	48	D	0	33	48.05	300.979	1379.9	1005.0	945.3	21.57
246	27	D	0	29	21.39	301.577	538.5	508.2	177.5	13.61
247	27	D	0	49	114.21	299.920	495.4	-109.7	483.1	-.35
248	49	D	0	27	314.21	300.005	495.4	109.7	-483.1	.31
249	49	D	0	50	112.21	300.171	209.7	-40.0	205.9	.83
250	50	D	0	49	312.21	299.691	209.7	40.0	-205.9	-.83

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
251	50	D	0	51	125.41	299.800	334.6	-130.0	308.3	-.86
252	51	D	0	50	325.41	300.092	334.6	130.0	-308.3	.84
253	51	D	0	52	141.36	300.080	1426.0	-862.6	1135.5	2.17
254	52	D	0	51	341.36	299.883	1426.0	862.6	-1135.5	-2.23
255	52	D	1	155	268.61	296.450	519.3	-245.4	-456.7	-28.67
256	52	D	1	156	254.23	298.430	1672.1	-1100.9	-1257.9	-40.72
257	52	D	1	157	251.80	298.839	2419.8	-1661.7	-1758.5	-45.50
258	52	D	0	54	144.87	292.415	2.7	-1.8	2.1	-0.00
259	52	D	0	53	93.48	290.450	1.8	.2	1.8	-.02
260	54	D	0	52	0.00	200.000	0.0	0.0	0.0	1.50
261	54	D	1	158	130.46	296.558	525.6	-241.6	465.9	-28.10
262	54	D	1	159	121.51	298.362	1203.0	-398.6	1134.6	-30.61
263	54	D	0	55	113.57	298.920	1743.0	-368.7	1703.3	-29.11
264	54	D	1	160	113.57	298.920	1743.0	-368.7	1703.3	-29.11
265	54	D	1	161	94.25	299.190	1717.8	154.9	1710.7	-23.40
266	54	D	1	162	118.32	299.250	2177.7	-618.0	2088.0	-25.08
267	54	D	1	163	134.88	299.186	1989.7	-1036.3	1698.3	-24.91
268	54	D	1	164	162.42	299.245	2077.6	-1725.9	1156.3	-24.09
269	54	D	1	165	180.24	299.066	2197.4	-2092.2	671.1	-31.65
270	54	D	1	166	183.90	298.189	1329.7	-1286.9	332.6	-39.45
271	54	D	1	167	211.15	297.421	873.7	-859.6	-152.1	-37.08
272	54	D	1	168	214.35	298.201	1457.3	-1419.9	-325.6	-42.78
273	54	D	1	169	297.95	298.071	809.9	-26.1	-809.1	-24.24
274	53	D	0	52	293.48	200.000	0.0	0.0	0.0	1.45
275	53	D	0	56	74.80	299.764	2593.9	1000.2	2393.3	-8.93
276	53	D	1	243	79.21	298.266	779.4	249.9	737.9	-20.92
277	53	D	1	170	60.70	299.610	1630.5	943.8	1329.5	-9.52
278	53	D	1	171	64.15	299.780	2241.9	1196.8	1895.7	-7.18
279	53	D	1	172	74.56	299.701	2587.3	1006.6	2383.4	-11.48
280	54	D	0	52	344.87	200.000	0.0	0.0	0.0	1.45
281	54	D	1	173	143.28	298.665	1486.0	-934.0	1155.4	-32.80
282	54	D	1	174	210.10	298.654	1977.8	-1952.5	-312.4	-43.34
283	54	D	1	175	197.26	299.021	2489.0	-2486.4	107.1	-39.66
284	54	D	1	176	207.50	298.995	2844.6	-2824.5	-334.3	-44.14
285	54	D	0	57	211.22	299.242	3431.7	-3378.3	-601.6	-39.74
286	54	D	1	177	226.20	298.804	2513.9	-2303.6	-1005.5	-48.58
287	53	D	0	52	293.48	200.000	0.0	0.0	0.0	1.01
288	53	D	1	178	236.92	298.398	1622.8	-1357.0	-889.0	-42.90
289	52	D	0	53	93.48	200.000	0.0	0.0	0.0	1.46
290	52	D	0	58	203.48	298.115	1304.6	-1302.1	-71.2	-38.22
291	52	D	0	59	253.64	298.952	2681.5	-1784.4	-2001.1	-43.41
292	59	D	0	52	53.64	301.030	2681.5	1784.4	2001.1	43.10
293	59	D	0	33	260.68	300.655	2128.6	-1232.6	-1735.2	22.44
294	58	D	0	52	3.48	301.894	1304.6	1302.1	71.2	38.16
295	58	D	0	60	288.88	297.810	13.7	-2.4	-13.5	-.13
296	60	D	0	58	88.88	299.243	13.7	2.4	13.5	.13
297	60	D	0	447	124.45	301.321	10.2	-3.8	9.5	.41
298	57	D	0	54	11.22	300.731	3431.7	3378.3	601.6	39.43
299	57	D	0	61	235.92	299.114	101.8	-86.0	-54.4	-1.19
300	61	D	0	57	35.92	300.625	101.8	86.0	54.4	1.22

N.F.	Drig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
301	61	D	1	179	314.10	298.766	594.9	130.7	-580.3	-11.27
302	56	D	0	53	274.80	300.244	2593.8	-1000.1	-2393.2	9.63
303	56	D	0	62	107.38	300.215	355.4	-41.1	353.0	1.44
304	56	D	1	180	195.30	299.680	1686.9	-1682.3	124.4	-10.04
305	56	D	1	181	195.10	299.336	1193.9	-1190.3	91.8	-14.13
306	56	D	1	182	148.62	299.216	521.9	-360.9	376.9	-6.04
307	56	D	0	63	27.30	301.079	610.9	555.5	254.0	10.61
308	62	D	0	56	307.38	299.699	355.4	41.1	-353.0	-1.42
309	62	D	1	183	159.30	299.781	1483.8	-1190.8	885.3	-4.58
310	62	D	1	184	139.52	299.701	1242.9	-722.9	1011.0	-5.45
311	62	D	0	64	60.72	300.831	2726.5	1577.4	2223.6	36.36
312	62	D	1	185	60.72	300.831	2726.5	1577.4	2223.6	36.36
313	62	D	1	187	126.40	299.486	785.9	-316.6	719.3	-8.05
314	62	D	1	186	100.78	299.982	1764.6	-21.6	1764.5	.08
315	62	D	1	188	52.41	300.521	1593.8	1083.5	1168.8	13.52
316	62	D	1	189	50.60	300.229	871.1	610.1	621.7	3.47
317	62	D	1	190	87.15	300.030	1924.5	385.8	1885.4	-5.59
318	62	D	0	65	74.74	300.378	2089.3	807.4	1926.9	12.99
319	62	D	1	191	74.74	300.378	2089.3	807.4	1926.9	12.99
320	62	D	1	192	9.17	300.701	1023.2	1012.5	146.9	9.59
321	62	D	1	193	74.65	300.059	1126.2	436.7	1038.1	-.61
322	63	D	0	56	227.30	298.868	611.0	-555.6	-254.0	-10.60
323	63	D	0	38	345.72	300.966	1700.7	1118.9	-1280.5	26.26
324	63	D	0	56	227.30	298.868	611.0	-555.6	-254.0	-10.60
325	63	D	0	66	.57	301.212	2121.4	2120.9	19.0	40.94
326	66	D	0	63	200.57	298.749	2121.4	-2120.9	-19.0	-41.19
327	66	D	0	67	354.66	302.488	102.5	77.5	-66.9	4.27
328	66	D	1	194	202.65	298.158	1244.8	-1243.2	-51.8	-35.69
329	66	D	1	195	208.96	296.394	261.2	-258.2	-36.6	-14.57
330	1	D	0	444	9.80	300.799	1718.2	1697.7	263.4	21.12
331	1	D	0	5	273.86	296.539	377.7	-150.5	-345.8	-20.13
332	66	D	0	67	354.66	200.000	0.0	0.0	0.0	1.44
333	66	D	0	68	16.10	303.204	267.3	258.5	66.8	13.66
334	66	D	0	38	258.20	299.412	1641.1	-1001.7	-1299.8	-14.77
335	66	D	0	446	195.41	296.805	284.5	-283.4	20.5	-14.07
336	67	D	0	66	154.66	297.181	102.6	-77.6	67.0	-4.27
337	67	D	1	196	343.82	300.120	563.4	357.9	-435.1	1.32
338	67	D	1	197	384.35	300.916	1347.0	1306.4	-327.8	19.75
339	67	D	1	198	306.25	300.530	1377.9	135.1	-1371.2	11.81
340	67	D	1	199	317.40	301.330	2071.1	558.9	-1993.8	43.82
341	67	D	1	200	279.80	299.901	1433.5	-447.3	-1361.9	-1.60
342	68	D	0	66	216.10	296.679	267.3	-258.4	-66.8	-13.67
343	68	D	0	69	389.49	301.606	183.7	181.1	-30.2	4.94
344	68	D	1	201	96.50	298.085	558.8	30.7	557.7	-18.57
345	68	D	1	202	72.53	299.498	1380.2	577.2	1253.7	-10.53
346	68	D	1	203	45.95	300.394	1860.8	1396.7	1229.4	12.01
347	68	D	1	204	114.30	298.860	1114.6	-248.2	1086.4	-19.61
348	68	D	1	205	171.41	298.010	1312.7	-1182.0	569.6	-40.64
349	68	D	1	206	148.05	298.930	1846.9	-1265.2	1345.1	-30.59
350	68	D	0	70	90.60	299.713	1595.1	234.7	1577.7	-6.80

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
351	68	D	1	207	90.60	299.713	1595.1	234.7	1577.7	-6.80
352	69	D	0	68	189.49	298.201	183.7	-181.1	30.2	-4.93
353	69	D	0	71	23.42	301.428	864.9	806.8	311.0	19.65
354	69	D	1	208	9.55	296.950	312.9	309.0	46.7	-14.66
355	69	D	1	209	4.35	301.030	1364.5	1361.1	93.2	22.41
356	69	D	1	210	47.12	299.212	748.0	552.3	504.4	-8.94
357	71	D	0	69	223.42	298.527	864.9	-806.8	-311.0	-19.79
358	71	D	1	211	374.65	303.322	1007.8	927.7	-390.2	52.81
359	71	D	1	212	295.87	299.990	1954.8	-126.7	-1950.7	.13
360	71	D	0	69	223.42	298.529	865.0	-806.9	-311.0	-19.74
361	71	D	0	448	84.20	299.954	2378.5	584.3	2305.6	-2.20
362	71	D	1	213	38.15	300.018	1117.8	923.0	630.5	.58
363	71	D	1	214	11.90	301.372	1717.6	1687.3	319.1	37.40
364	448	D	0	71	284.20	300.007	2378.5	-584.3	-2305.6	1.84
365	448	D	1	215	74.43	298.710	1251.2	489.0	1151.4	-24.00
366	448	D	1	216	268.36	297.985	960.1	-457.5	-843.5	-29.13
367	448	D	1	217	94.90	298.608	1821.0	145.7	1814.7	-38.41
368	448	D	1	218	349.27	294.990	360.4	251.1	-256.9	-27.13
369	448	D	1	220	22.78	298.509	766.9	718.1	268.5	-16.72
370	448	D	1	221	364.51	299.835	1109.6	941.6	-587.0	-1.59
371	448	D	1	222	121.15	298.805	1499.5	-489.0	1417.3	-27.80
372	448	D	1	223	352.57	300.590	1881.2	1382.8	-1275.4	18.87
373	448	D	1	224	107.32	297.210	773.2	-88.6	767.4	-32.57
374	448	D	1	225	157.88	298.670	1238.5	-977.0	760.8	-24.54
375	53	D	0	56	74.80	299.759	2593.9	1000.2	2393.3	-9.15
376	56	D	0	53	274.80	300.224	2593.8	-1000.1	-2393.2	8.80
377	448	D	0	71	284.20	300.009	2378.5	-584.3	-2305.6	1.92
378	448	D	0	72	44.39	299.954	1617.2	1239.7	1038.5	.27
379	448	D	0	73	17.70	300.168	1465.7	1409.4	402.3	5.21
380	448	D	0	74	195.50	298.980	1301.0	-1297.6	91.9	-19.52
381	448	D	1	226	33.78	299.931	1592.6	1373.6	806.0	-.36
382	448	D	1	227	78.21	299.069	2151.8	722.1	2026.8	-29.90
383	448	D	1	219	105.43	299.310	2591.7	-220.8	2582.1	-26.36
384	448	D	0	75	110.91	299.544	2584.3	-440.7	2546.4	-16.82
385	73	D	0	448	217.70	299.800	1465.7	-1409.4	-402.3	-5.30
386	73	D	1	228	344.23	300.041	649.8	416.0	-499.2	.77
387	73	D	1	229	365.20	301.214	1355.1	1157.4	-704.3	25.06
388	72	D	0	448	244.39	300.010	1617.2	-1239.7	-1038.5	-.43
389	72	D	1	230	29.33	297.583	849.1	760.0	377.2	-31.91
390	72	D	1	231	111.60	297.280	351.4	-63.6	345.3	-14.75
391	75	D	0	448	310.91	300.421	2584.3	440.7	-2546.4	16.68
392	75	D	0	76	84.28	300.739	1060.5	259.2	1028.3	12.59
393	75	D	1	232	96.80	299.710	785.4	39.5	784.4	-3.35
394	75	D	1	233	112.64	300.868	1519.4	-299.7	1489.4	21.06
395	75	D	1	234	397.99	299.394	1441.1	1440.3	-45.5	-13.38
396	75	D	1	235	36.03	299.369	805.6	680.0	432.0	-7.74
397	75	D	1	236	147.10	299.422	824.7	-556.0	609.1	-9.25
398	75	D	1	237	171.16	300.265	1302.7	-1171.3	570.2	5.74
399	75	D	1	238	200.65	299.154	1259.3	-1259.1	-12.9	-16.44
400	75	D	1	239	186.38	300.400	1887.9	-1844.8	400.8	12.31

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
401	75	D	1	240	224.35	298.900	2249.4	-2086.5	-839.4	-38.33
402	75	D	1	241	244.80	298.970	2183.6	-1664.7	-1412.7	-34.81
403	76	D	0	75	284.26	299.225	1060.5	-259.5	-1028.2	-12.63
404	76	D	1	242	25.90	294.642	305.4	279.5	120.4	-25.48
405	72	D	0	448	244.39	200.000	0.0	0.0	0.0	1.46
406	72	D	1	244	361.17	299.335	855.5	701.2	-490.0	-8.61
407	74	D	0	448	395.50	200.000	0.0	0.0	0.0	1.43
408	74	D	0	64	216.48	298.862	1732.1	-1674.1	-443.3	-30.56
409	74	D	1	245	168.80	298.225	1762.8	-1554.7	829.4	-48.68
410	74	D	1	246	165.76	298.910	2635.2	-2262.8	1349.8	-44.41
411	74	D	1	247	184.20	298.694	2561.6	-2482.6	629.1	-51.83
412	74	D	1	248	134.58	299.700	2670.5	-1380.3	2286.1	-11.85
413	74	D	1	249	94.05	299.060	1930.5	180.1	1921.9	-27.98
414	74	D	1	250	205.50	295.554	1226.3	-1218.7	-105.6	-85.22
415	74	D	1	251	199.85	295.550	533.0	-531.7	1.3	-37.02
416	74	D	0	77	369.90	301.120	98.0	87.2	-44.6	1.91
417	77	D	0	74	169.90	200.000	0.0	0.0	0.0	1.44
418	77	D	1	252	397.03	298.572	412.6	412.0	-19.2	-9.04
419	77	D	1	253	256.75	298.670	1263.2	-793.5	-982.5	-26.08
420	56	D	0	53	274.80	200.000	0.0	0.0	0.0	1.41
421	56	D	1	254	78.58	300.355	616.0	203.4	581.5	.63
422	56	D	1	255	398.90	301.065	779.4	779.2	-13.5	10.25
423	34	D	0	29	228.82	200.000	0.0	0.0	0.0	1.48
424	34	D	1	256	269.00	297.200	640.7	-299.5	-565.7	-27.90
425	34	D	1	257	11.40	301.650	633.3	623.0	112.8	16.68
426	10	D	0	5	105.65	200.000	0.0	0.0	0.0	1.40
427	10	D	1	258	172.83	298.585	1658.1	-1509.0	686.2	-36.46
428	10	D	0	78	173.10	299.014	2377.5	-2168.1	974.9	-36.22
429	10	D	1	259	175.80	299.012	2373.1	-2203.4	880.4	-38.30
430	1	D	0	444	9.80	200.000	0.0	0.0	0.0	1.44
431	1	D	1	260	181.30	297.620	1088.7	-1041.3	315.0	-40.35
432	1	D	1	261	145.20	298.346	1106.9	-721.3	839.1	-29.48
433	1	D	1	262	147.75	298.745	1874.6	-1277.6	1371.3	-38.51
434	1	D	1	263	140.87	299.660	2805.6	-1679.9	2247.0	-14.22
435	1	D	1	264	129.55	299.195	2336.5	-1045.9	2089.1	-28.89
436	1	D	1	265	128.10	299.975	3026.0	-1292.7	2736.0	-.30
437	1	D	0	79	117.82	299.950	2982.7	-824.0	2866.6	-1.49
438	1	D	1	266	155.07	299.170	2557.4	-1946.3	1658.6	-32.64
439	1	D	1	267	169.10	298.295	1726.7	-1526.7	805.3	-45.79
440	1	D	1	268	189.92	298.928	3176.3	-3136.1	500.8	-54.59
441	79	D	0	1	317.82	200.000	0.0	0.0	0.0	1.48
442	79	D	1	269	130.03	302.172	484.9	-220.2	431.7	16.84
443	79	D	1	270	391.05	295.777	161.9	160.0	-22.6	-10.50
444	79	D	1	271	351.80	297.796	932.4	677.3	-640.0	-31.98
445	79	D	1	272	381.80	298.319	1146.0	1099.1	-323.1	-31.93
446	79	D	1	273	13.40	298.730	993.9	971.8	207.6	-19.52
447	79	D	1	274	79.30	300.472	853.3	272.6	808.6	6.61
448	79	D	0	80	62.50	300.265	1198.4	665.8	996.4	5.32
449	13	D	0	444	218.71	200.000	0.0	0.0	0.0	1.46
450	13	D	0	81	65.50	299.940	275.6	142.2	236.1	-.04

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
451	81	D	0	13	265.50	299.962	275.6	-142.2	-236.1	.04
452	81	D	0	82	134.80	298.376	312.1	-162.2	266.5	-7.76
453	82	D	0	81	334.80	301.540	312.0	162.1	-266.5	7.77
454	82	D	1	275	234.83	299.459	213.8	-182.6	-111.2	-1.60
455	12	D	0	4	173.09	200.000	0.0	0.0	0.0	1.47
456	12	D	1	276	65.50	299.549	439.9	226.9	376.9	-2.83
457	12	D	1	277	127.90	297.837	459.0	-194.7	415.4	-15.36
458	4	D	0	12	373.09	200.000	0.0	0.0	0.0	1.44
459	4	D	1	278	48.05	298.486	807.8	588.3	553.3	-18.93
460	16	D	0	13	194.20	200.000	0.0	0.0	0.0	1.46
461	16	D	1	279	152.78	297.139	982.5	-723.7	663.1	-43.75
462	16	D	1	280	143.40	297.749	1857.5	-1169.7	1441.4	-65.13
463	16	D	1	281	127.58	297.810	2081.4	-873.3	1888.0	-71.00
464	26	D	0	25	344.78	200.000	0.0	0.0	0.0	1.46
465	26	D	1	282	199.12	299.090	573.4	-573.3	7.9	-7.95
466	32	D	0	33	152.78	200.000	0.0	0.0	0.0	1.47
467	32	D	0	83	73.15	300.230	430.8	176.4	393.0	1.80
468	83	D	0	32	273.15	299.672	430.8	-176.4	-393.0	-1.89
469	83	D	1	283	74.05	299.595	598.5	237.3	549.5	-5.54
470	34	D	0	29	228.82	200.000	0.0	0.0	0.0	1.48
471	34	D	1	284	324.98	299.890	835.3	319.4	-771.8	-1.16
472	34	D	1	285	6.00	302.215	1197.7	1191.7	112.6	41.99
473	34	D	1	286	43.60	301.765	985.2	762.7	623.0	25.62
474	448	D	0	72	44.39	200.000	0.0	0.0	0.0	2.44
475	448	D	1	287	368.94	301.265	1957.5	1728.8	-917.4	40.40
476	448	D	1	288	318.36	299.360	1159.6	329.8	-1111.7	-10.30
477	448	D	1	289	180.39	298.865	505.7	-481.8	153.3	-7.74
478	74	D	0	448	395.50	200.000	0.0	0.0	0.0	1.46
479	74	D	1	290	120.70	298.690	1684.1	-537.9	1595.5	-34.19
480	74	D	1	291	94.20	298.650	1179.4	107.3	1174.2	-26.70
481	74	D	1	292	174.50	298.025	1310.1	-1205.8	510.6	-40.20
482	74	D	1	293	159.10	298.900	2178.3	-1743.7	1305.0	-37.07
483	75	D	0	448	310.91	200.000	0.0	0.0	0.0	1.43
484	75	D	1	294	193.90	296.540	418.4	-415.9	40.0	-22.48
485	80	D	0	79	262.50	299.706	1198.4	-665.8	-996.4	-5.43
486	80	D	1	295	364.30	298.329	1233.5	1044.2	-655.8	-32.04
487	80	D	1	296	383.20	298.075	896.7	865.3	-233.8	-26.83
488	80	D	1	297	28.60	298.730	467.3	420.8	202.9	-9.08
489	80	D	1	298	113.80	302.050	610.0	-131.1	595.4	17.89
490	80	D	1	299	197.50	301.585	748.3	-747.5	29.4	18.89
491	80	D	1	300	342.50	297.720	551.3	341.1	-432.7	-19.50
492	80	D	1	301	201.10	299.370	119.4	-119.4	-2.1	-9.96
493	80	D	1	302	45.50	299.540	928.8	701.5	608.7	-8.43
494	80	D	1	303	75.40	300.640	940.6	354.5	871.2	7.74
495	80	D	1	304	149.35	300.855	1640.5	-1148.0	1171.7	22.44
496	80	D	0	84	67.34	300.452	1655.3	812.4	1442.2	12.15
497	84	D	0	80	267.34	299.517	1655.3	-812.4	-1442.2	-12.17
498	84	D	0	33	375.16	300.044	3218.0	2976.1	-1224.0	3.11
499	84	D	1	305	319.70	298.204	1226.1	373.2	-1167.4	-36.28
500	84	D	1	306	343.20	298.060	1260.4	790.8	-980.7	-40.09

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
501	84	D	1	307	362.20	297.321	485.0	401.6	-271.1	-20.15
502	84	D	1	308	5.90	298.865	845.1	841.3	78.2	-17.82
503	84	D	1	309	54.67	300.439	699.1	456.8	529.2	3.05
504	53	D	0	59	293.48	200.000	0.0	0.0	0.0	1.05
505	53	D	1	310	243.35	298.625	2050.6	-1592.9	-1290.6	-46.19

ANEXO III

N.F.	Cod	Est	Lect.Gr	Hora	Ls	Fecha	Valor
1	1	445	1045.35	7 49	.092	190984	874.52
2	0	9	1063.20	8 9	.097	0	876.14
3	0	8	1005.10	8 16	.099	0	870.87
4	0	32	954.60	8 26	.101	0	866.28
5	0	33	876.55	8 39	.103	0	859.20
6	0	24	953.30	8 52	.104	0	866.16
7	0	25	935.50	8 58	.105	0	864.54
8	0	26	919.25	9 2	.105	0	863.07
9	0	27	869.80	9 9	.106	0	858.58
10	0	38	834.25	9 17	.106	0	855.35
11	0	37	801.15	9 24	.106	0	852.35
12	0	28	980.55	9 39	.105	0	868.61
13	0	29	1014.05	9 43	.105	0	871.65
14	0	30	1058.65	9 48	.105	0	875.69
15	0	31	1078.95	9 53	.104	0	877.53
16	2	445	1045.85	10 6	.102	0	874.52
17	1	445	1045.85	10 6	.102	190984	874.52
18	0	13	1175.40	10 21	.100	0	886.27
19	0	11	1168.90	10 30	.098	0	885.67
20	0	12	1185.25	10 37	.096	0	887.15
21	0	14	1179.20	10 41	.095	0	886.60
22	0	16	1052.55	10 56	.090	0	875.11
23	0	18	1081.30	11 4	.088	0	877.71
24	0	21	1188.10	11 15	.084	0	887.39
25	0	17	1138.20	11 24	.081	0	882.86
26	0	36	1067.20	11 34	.076	0	876.41
27	0	39	1050.80	11 39	.075	0	874.92
28	0	41	1051.90	11 44	.072	0	875.02
29	0	42	1055.60	11 50	.070	0	875.35
30	2	445	1046.45	11 55	.068	0	874.52
31	1	445	1046.45	11 55	.068	190984	874.52
32	2	445	1049.45	13 0	.034	0	874.52
33	1	445	1049.45	13 0	.034	190984	874.52
34	0	43	1063.30	13 5	.031	0	875.77
35	0	57	1078.35	13 15	.026	0	877.14
36	0	58	1060.75	13 22	.022	0	875.54
37	0	68	1003.25	13 30	.018	0	870.32
38	0	69	991.30	13 34	.016	0	869.24
39	0	70	998.65	13 38	.014	0	869.90
40	2	445	1049.60	13 48	.008	0	874.52
41	1	445	1048.60	7 45	.069	200984	874.52
42	0	7	1147.40	8 3	.079	0	883.47
43	0	10	1025.40	8 30	.092	0	872.39
44	0	23	1016.20	8 44	.099	0	871.55
45	3	27	873.00	8 55	.103	0	858.56
46	3	8	1010.20	9 9	.108	0	870.99
47	0	6	1167.40	9 26	.113	0	885.24
48	0	1	1161.75	9 30	.115	0	884.72
49	0	2	1143.15	9 35	.116	0	883.03
50	0	3	1141.65	9 39	.117	0	882.89

N.F.	Cod	Est	Lect.Gr	Hora	Ls	Fecha	Valor
51	0	4	1149.00	9 43	.119	0	883.55
52	0	5	1111.65	9 47	.119	0	880.16
53	2	445	1049.50	9 54	.120	0	874.52
54	1	445	1049.50	9 54	.120	200984	874.52
55	0	40	1032.50	10 15	.123	0	872.97
56	0	34	1056.50	10 30	.124	0	875.15
57	0	35	1089.90	10 42	.123	0	878.17
58	0	45	1049.40	10 54	.122	0	874.50
59	0	49	1027.95	11 0	.122	0	872.55
60	0	46	985.50	11 19	.119	0	868.69
61	0	47	955.00	11 23	.118	0	865.92
62	0	52	1103.40	11 52	.109	0	879.36
63	0	51	1102.15	12 0	.106	0	879.24
64	2	445	1050.10	12 5	.104	0	874.52
65	1	445	1050.10	12 5	.104	200984	874.52
66	0	71	969.95	12 30	.093	0	867.24
67	0	66	1044.85	12 46	.085	0	874.03
68	0	63	1082.80	12 50	.082	0	877.47
69	0	61	1106.35	13 0	.076	0	879.60
70	0	60	1068.10	13 25	.060	0	876.12
71	0	59	1004.15	13 30	.057	0	870.31
72	0	64	1014.75	13 40	.050	0	871.27
73	2	445	1050.65	13 50	.043	0	874.52
74	1	445	1051.30	7 50	.032	210984	874.52
75	0	44	1038.45	7 57	.038	0	873.35
76	0	48	867.25	8 10	.046	0	857.82
77	3	46	987.50	8 22	.055	0	868.72
78	0	50	964.75	8 42	.071	0	866.65
79	0	53	1025.65	9 0	.082	0	872.16
80	0	54	999.60	9 7	.087	0	869.79
81	0	65	962.35	9 12	.091	0	866.41
82	0	72	968.80	9 28	.100	0	866.99
83	0	67	1050.05	9 40	.107	0	874.35
84	3	60	1067.70	9 50	.113	0	875.95
85	3	43	1066.80	9 55	.116	0	875.86
86	2	445	1052.05	10 0	.118	0	874.52
87	1	447	1215.55	10 20	.126	210984	889.16
88	0	20	1156.85	10 50	.136	0	883.83
89	0	22	1200.05	10 57	.137	0	887.75
90	0	15	1186.85	11 4	.138	0	886.55
91	0	19	1189.05	11 10	.140	0	886.75
92	0	100	1150.80	11 20	.140	0	883.28
93	0	56	1120.10	11 27	.140	0	880.49
94	0	62	1125.30	11 35	.140	0	880.96
95	0	55	1123.70	11 40	.139	0	880.81
96	0	104	1112.70	11 55	.138	0	879.80
97	0	101	1083.55	12 0	.137	0	877.16
98	0	102	1124.05	12 7	.136	0	880.82
99	0	103	1152.10	12 13	.134	0	883.36
100	0	98	1166.90	12 17	.133	0	884.70

N.F.	Cod	Est	Lect.Gr	Hora	Ls	Fecha	Valor
101	2	447	1216.10	12 25	.130	0	889.16
102	1	447	1216.10	12 25	.130	210984	889.16
103	0	96	1196.30	12 42	.124	0	887.36
104	0	95	1186.70	12 46	.123	0	886.49
105	0	97	1205.95	12 54	.118	0	888.23
106	0	99	1198.70	13 3	.114	0	887.57
107	0	85	1169.70	13 12	.108	0	884.93
108	0	84	1138.55	13 20	.104	0	882.10
109	0	73	1040.45	13 30	.097	0	873.20
110	0	74	1089.25	13 35	.093	0	877.62
111	0	77	1136.40	13 40	.090	0	881.90
112	0	78	1160.00	13 46	.087	0	884.03
113	2	447	1216.65	14 2	.075	0	889.16
114	1	445	1066.15	10 41	.023	240984	874.52
115	3	68	1020.05	10 48	.030	0	870.34
116	0	76	1084.10	10 54	.036	0	876.16
117	0	80	1129.65	10 58	.040	0	880.29
118	0	86	1123.30	11 2	.044	0	879.72
119	0	105	1042.40	11 9	.050	0	872.38
120	0	87	1098.60	11 17	.057	0	877.49
121	0	88	1100.05	11 22	.062	0	877.62
122	0	107	1042.30	11 28	.068	0	872.39
123	0	108	1102.70	11 35	.073	0	877.87
124	0	109	1129.40	11 40	.078	0	880.29
125	0	115	1068.90	11 52	.088	0	874.81
126	0	116	1038.40	11 58	.092	0	872.05
127	0	118	931.60	12 10	.099	0	862.36
128	0	117	988.40	12 18	.105	0	867.52
129	0	114	1050.15	12 24	.109	0	873.12
130	0	113	1072.50	12 30	.112	0	875.15
131	2	445	1065.55	12 37	.115	0	874.52
132	1	446	1126.70	8 12	-.111	250984	879.95
133	0	124	1148.70	8 25	-.110	0	881.94
134	0	119	1125.70	8 32	-.109	0	879.84
135	0	120	1144.10	8 44	-.106	0	881.51
136	0	121	1169.10	8 50	-.104	0	883.77
137	0	122	1179.75	8 59	-.101	0	884.73
138	0	123	1191.30	9 2	-.100	0	885.78
139	0	106	1147.00	9 10	-.097	0	881.76
140	3	88	1102.30	9 15	-.094	0	877.70
141	0	110	1112.45	9 22	-.090	0	878.62
142	0	111	1116.45	9 26	-.088	0	878.98
143	0	112	1132.65	9 30	-.086	0	880.45
144	3	115	1071.60	9 40	-.080	0	874.91
145	2	446	1127.20	9 49	-.074	0	879.95
146	1	447	1228.80	10 5	-.062	250984	889.16
147	0	133	1252.40	10 12	-.057	0	891.30
148	0	125	1247.45	10 16	-.054	0	890.85
149	0	126	1226.40	10 26	-.044	0	888.94
150	0	127	1212.10	10 32	-.040	0	887.64

N.F.	Cod	Est	Lect.Gr	Hora	Ls	Fecha	Valor
151	0	128	1191.10	10 37	-.036	0	885.73
152	0	145	1198.70	10 48	-.026	0	886.41
153	0	146	1181.90	10 52	-.023	0	884.89
154	0	140	1187.00	10 58	-.014	0	885.35
155	0	139	1167.60	11 4	-.012	0	883.59
156	3	100	1164.65	11 9	-.007	0	883.32
157	3	60	1083.20	11 15	-.002	0	875.93
158	3	84	1149.90	11 24	.007	0	881.98
159	0	79	1125.80	11 30	.012	0	879.79
160	0	82	1152.25	11 34	.015	0	882.19
161	0	83	1150.75	11 39	.020	0	882.05
162	0	91	1156.75	11 45	.025	0	882.59
163	0	92	1171.05	11 48	.027	0	883.89
164	0	93	1186.70	11 52	.031	0	885.31
165	2	447	1229.20	12 0	.038	0	889.16
166	1	447	1229.20	12 0	.038	250984	889.16
167	0	94	1226.20	12 7	.044	0	888.89
168	0	130	1249.20	12 37	.067	0	890.97
169	0	129	1237.60	12 42	.071	0	889.92
170	0	134	1247.30	13 5	.084	0	890.79
171	2	447	1229.40	13 14	.089	0	889.16
172	1	447	1238.60	8 20	-.065	270984	889.16
173	3	99	1219.65	8 30	-.070	0	887.44
174	3	98	1188.65	8 36	-.073	0	884.62
175	3	102	1146.75	8 44	-.077	0	880.82
176	0	136	1178.75	8 55	-.081	0	883.72
177	0	138	1203.65	9 0	-.083	0	885.98
178	3	129	1247.15	9 15	-.088	0	889.92
179	0	135	1245.45	9 23	-.090	0	889.76
180	0	131	1262.60	9 30	-.091	0	891.32
181	0	132	1267.35	9 35	-.091	0	891.75
182	0	157	1250.65	9 47	-.092	0	890.24
183	2	447	1238.75	10 6	-.092	0	889.16
184	1	447	1238.75	10 6	-.092	270984	889.16
185	3	128	1201.10	10 17	-.091	0	885.74
186	0	141	1214.70	10 21	-.090	0	886.97
187	0	142	1243.90	10 28	-.089	0	889.61
188	0	152	1212.95	11 10	-.077	0	886.79
189	0	147	1235.35	11 26	-.069	0	888.81
190	0	149	1158.45	11 52	-.056	0	881.83
191	0	150	1123.60	12 0	-.052	0	878.67
192	0	151	1147.80	12 7	-.048	0	880.86
193	0	156	1240.20	12 27	-.036	0	889.24
194	2	447	1239.35	12 30	-.035	0	889.16
195	1	447	1239.35	12 30	-.035	270984	889.16
196	0	167	1249.05	12 45	-.026	0	890.04
197	0	155	1233.40	12 53	-.022	0	888.61
198	0	169	1210.00	13 9	-.011	0	886.49
199	3	92	1181.90	13 15	-.008	0	883.94
200	0	158	1237.80	13 22	-.004	0	889.01

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
501	84	D	1	307	362.20	297.321	485.0	401.6	-271.1	-20.15
502	84	D	1	308	5.90	298.865	845.1	841.3	78.2	-17.82
503	84	D	1	309	54.67	300.439	699.1	456.8	529.2	3.05
504	53	D	0	59	293.48	200.000	0.0	0.0	0.0	1.05
505	53	D	1	310	243.35	298.625	2050.6	-1592.9	-1290.6	-46.19

ANEXO III

N.F.	Cod	Est	Lect.Gr	Hora	Ls	Fecha	Valor
1	1	445	1045.35	7 49	.092	190984	874.52
2	0	9	1063.20	8 9	.097	0	876.14
3	0	8	1005.10	8 16	.099	0	870.87
4	0	32	954.60	8 26	.101	0	866.28
5	0	33	876.55	8 39	.103	0	859.20
6	0	24	953.30	8 52	.104	0	866.16
7	0	25	935.50	8 58	.105	0	864.54
8	0	26	919.25	9 2	.105	0	863.07
9	0	27	869.80	9 9	.106	0	858.58
10	0	38	834.25	9 17	.106	0	855.35
11	0	37	801.15	9 24	.106	0	852.35
12	0	28	980.55	9 39	.105	0	868.61
13	0	29	1014.05	9 43	.105	0	871.65
14	0	30	1058.65	9 48	.105	0	875.69
15	0	31	1078.95	9 53	.104	0	877.53
16	2	445	1045.85	10 6	.102	0	874.52
17	1	445	1045.85	10 6	.102	190984	874.52
18	0	13	1175.40	10 21	.100	0	886.27
19	0	11	1168.90	10 30	.098	0	885.67
20	0	12	1185.25	10 37	.096	0	887.15
21	0	14	1179.20	10 41	.095	0	886.60
22	0	16	1052.55	10 56	.090	0	875.11
23	0	18	1081.30	11 4	.088	0	877.71
24	0	21	1188.10	11 15	.084	0	887.39
25	0	17	1138.20	11 24	.081	0	882.86
26	0	36	1067.20	11 34	.076	0	876.41
27	0	39	1050.80	11 39	.075	0	874.92
28	0	41	1051.90	11 44	.072	0	875.02
29	0	42	1055.60	11 50	.070	0	875.35
30	2	445	1046.45	11 55	.068	0	874.52
31	1	445	1046.45	11 55	.068	190984	874.52
32	2	445	1049.45	13 0	.034	0	874.52
33	1	445	1049.45	13 0	.034	190984	874.52
34	0	43	1063.30	13 5	.031	0	875.77
35	0	57	1078.35	13 15	.026	0	877.14
36	0	58	1060.75	13 22	.022	0	875.54
37	0	68	1003.25	13 30	.018	0	870.32
38	0	69	991.30	13 34	.016	0	869.24
39	0	70	998.65	13 38	.014	0	869.90
40	2	445	1049.60	13 48	.008	0	874.52
41	1	445	1048.60	7 45	.069	200984	874.52
42	0	7	1147.40	8 3	.079	0	883.47
43	0	10	1025.40	8 30	.092	0	872.39
44	0	23	1016.20	8 44	.099	0	871.55
45	3	27	873.00	8 55	.103	0	858.56
46	3	8	1010.20	9 9	.108	0	870.99
47	0	6	1167.40	9 26	.113	0	885.24
48	0	1	1161.75	9 30	.115	0	884.72
49	0	2	1143.15	9 35	.116	0	883.03
50	0	3	1141.65	9 39	.117	0	882.89

N.F.	Cod	Est	Lect.Gr	Hora	Ls	Fecha	Valor
51	0	4	1149.00	9 43	.119	0	883.55
52	0	5	1111.65	9 47	.119	0	880.16
53	2	445	1049.50	9 54	.120	0	874.52
54	1	445	1049.50	9 54	.120	200984	874.52
55	0	40	1032.50	10 15	.123	0	872.97
56	0	34	1056.50	10 30	.124	0	875.15
57	0	35	1089.90	10 42	.123	0	878.17
58	0	45	1049.40	10 54	.122	0	874.50
59	0	49	1027.95	11 0	.122	0	872.55
60	0	46	985.50	11 19	.119	0	868.69
61	0	47	955.00	11 23	.118	0	865.92
62	0	52	1103.40	11 52	.109	0	879.36
63	0	51	1102.15	12 0	.106	0	879.24
64	2	445	1050.10	12 5	.104	0	874.52
65	1	445	1050.10	12 5	.104	200984	874.52
66	0	71	969.95	12 30	.093	0	867.24
67	0	66	1044.85	12 46	.085	0	874.03
68	0	63	1082.80	12 50	.082	0	877.47
69	0	61	1106.35	13 0	.076	0	879.60
70	0	60	1068.10	13 25	.060	0	876.12
71	0	59	1004.15	13 30	.057	0	870.31
72	0	64	1014.75	13 40	.050	0	871.27
73	2	445	1050.65	13 50	.043	0	874.52
74	1	445	1051.30	7 50	.032	210984	874.52
75	0	44	1038.45	7 57	.038	0	873.35
76	0	48	867.25	8 10	.046	0	857.82
77	3	46	987.50	8 22	.055	0	868.72
78	0	50	964.75	8 42	.071	0	866.65
79	0	53	1025.65	9 0	.082	0	872.16
80	0	54	999.60	9 7	.087	0	869.79
81	0	65	962.35	9 12	.091	0	866.41
82	0	72	968.80	9 28	.100	0	866.99
83	0	67	1050.05	9 40	.107	0	874.35
84	3	60	1067.70	9 50	.113	0	875.95
85	3	43	1066.80	9 55	.116	0	875.86
86	2	445	1052.05	10 0	.118	0	874.52
87	1	447	1215.55	10 20	.126	210984	889.16
88	0	20	1156.85	10 50	.136	0	883.83
89	0	22	1200.05	10 57	.137	0	887.75
90	0	15	1186.85	11 4	.138	0	886.55
91	0	19	1189.05	11 10	.140	0	886.75
92	0	100	1150.80	11 20	.140	0	883.28
93	0	56	1120.10	11 27	.140	0	880.49
94	0	62	1125.30	11 35	.140	0	880.96
95	0	55	1123.70	11 40	.139	0	880.81
96	0	104	1112.70	11 55	.138	0	879.80
97	0	101	1083.55	12 0	.137	0	877.16
98	0	102	1124.05	12 7	.136	0	880.82
99	0	103	1152.10	12 13	.134	0	883.36
100	0	98	1166.90	12 17	.133	0	884.70

N.F.	Cód	Est	Lect.Gr	Hora	Ls	Fecha	Valor
101	2	447	1216.10	12 25	.130	0	889.16
102	1	447	1216.10	12 25	.130	210984	889.16
103	0	96	1196.30	12 42	.124	0	887.36
104	0	95	1186.70	12 46	.123	0	886.49
105	0	97	1205.95	12 54	.118	0	888.23
106	0	99	1198.70	13 3	.114	0	887.57
107	0	85	1169.70	13 12	.108	0	884.93
108	0	84	1138.55	13 20	.104	0	882.10
109	0	73	1040.45	13 30	.097	0	873.20
110	0	74	1089.25	13 35	.093	0	877.62
111	0	77	1136.40	13 40	.090	0	881.90
112	0	78	1160.00	13 46	.087	0	884.03
113	2	447	1216.65	14 2	.075	0	889.16
114	1	445	1066.15	10 41	.023	240984	874.52
115	3	68	1020.05	10 48	.030	0	870.34
116	0	76	1084.10	10 54	.036	0	876.16
117	0	80	1129.65	10 58	.040	0	880.29
118	0	86	1123.30	11 2	.044	0	879.72
119	0	105	1042.40	11 9	.050	0	872.38
120	0	87	1098.60	11 17	.057	0	877.49
121	0	88	1100.05	11 22	.062	0	877.62
122	0	107	1042.30	11 28	.068	0	872.39
123	0	108	1102.70	11 35	.073	0	877.87
124	0	109	1129.40	11 40	.078	0	880.29
125	0	115	1068.90	11 52	.088	0	874.81
126	0	116	1038.40	11 58	.092	0	872.05
127	0	118	931.60	12 10	.099	0	862.36
128	0	117	988.40	12 18	.105	0	867.52
129	0	114	1050.15	12 24	.109	0	873.12
130	0	113	1072.50	12 30	.112	0	875.15
131	2	445	1065.55	12 37	.115	0	874.52
132	1	446	1126.70	8 12	-.111	250984	879.95
133	0	124	1148.70	8 25	-.110	0	881.94
134	0	119	1125.70	8 32	-.109	0	879.84
135	0	120	1144.10	8 44	-.106	0	881.51
136	0	121	1169.10	8 50	-.104	0	883.77
137	0	122	1179.75	8 59	-.101	0	884.73
138	0	123	1191.30	9 2	-.100	0	885.78
139	0	106	1147.00	9 10	-.097	0	881.76
140	3	88	1102.30	9 15	-.094	0	877.70
141	0	110	1112.45	9 22	-.090	0	878.62
142	0	111	1116.45	9 26	-.088	0	878.98
143	0	112	1132.65	9 30	-.086	0	880.45
144	3	115	1071.60	9 40	-.080	0	874.91
145	2	446	1127.20	9 49	-.074	0	879.95
146	1	447	1228.80	10 5	-.062	250984	889.16
147	0	133	1252.40	10 12	-.057	0	891.30
148	0	125	1247.45	10 16	-.054	0	890.85
149	0	126	1226.40	10 26	-.044	0	888.94
150	0	127	1212.10	10 32	-.040	0	887.64

N.F.	Cod	Est	Lect.Gr	Hora	Ls	Fecha	Valor
151	0	128	1191.10	10 37	-.036	0	885.73
152	0	145	1198.70	10 48	-.026	0	886.41
153	0	146	1181.90	10 52	-.023	0	884.89
154	0	140	1187.00	10 58	-.014	0	885.35
155	0	139	1167.60	11 4	-.012	0	883.59
156	3	100	1164.65	11 9	-.007	0	883.32
157	3	60	1083.20	11 15	-.002	0	875.93
158	3	84	1149.90	11 24	.007	0	881.98
159	0	79	1125.80	11 30	.012	0	879.79
160	0	82	1152.25	11 34	.015	0	882.19
161	0	83	1150.75	11 39	.020	0	882.05
162	0	91	1156.75	11 45	.025	0	882.59
163	0	92	1171.05	11 48	.027	0	883.89
164	0	93	1186.70	11 52	.031	0	885.31
165	2	447	1229.20	12 0	.038	0	889.16
166	1	447	1229.20	12 0	.038	250984	889.16
167	0	94	1226.20	12 7	.044	0	888.89
168	0	130	1249.20	12 37	.067	0	890.97
169	0	129	1237.60	12 42	.071	0	889.92
170	0	134	1247.30	13 5	.084	0	890.79
171	2	447	1229.40	13 14	.089	0	889.16
172	1	447	1238.60	8 20	-.065	270984	889.16
173	3	99	1219.65	8 30	-.070	0	887.44
174	3	98	1188.65	8 36	-.073	0	884.62
175	3	102	1146.75	8 44	-.077	0	880.82
176	0	136	1178.75	8 55	-.081	0	883.72
177	0	138	1203.65	9 0	-.083	0	885.98
178	3	129	1247.15	9 15	-.088	0	889.92
179	0	135	1245.45	9 23	-.090	0	889.76
180	0	131	1262.60	9 30	-.091	0	891.32
181	0	132	1267.35	9 35	-.091	0	891.75
182	0	157	1250.65	9 47	-.092	0	890.24
183	2	447	1238.75	10 6	-.092	0	889.16
184	1	447	1238.75	10 6	-.092	270984	889.16
185	3	128	1201.10	10 17	-.091	0	885.74
186	0	141	1214.70	10 21	-.090	0	886.97
187	0	142	1243.90	10 28	-.089	0	889.61
188	0	152	1212.95	11 10	-.077	0	886.79
189	0	147	1235.35	11 26	-.069	0	888.81
190	0	149	1158.45	11 52	-.056	0	881.83
191	0	150	1123.60	12 0	-.052	0	878.67
192	0	151	1147.80	12 7	-.048	0	880.86
193	0	156	1240.20	12 27	-.036	0	889.24
194	2	447	1239.35	12 30	-.035	0	889.16
195	1	447	1239.35	12 30	-.035	270984	889.16
196	0	167	1249.05	12 45	-.026	0	890.04
197	0	155	1233.40	12 53	-.022	0	888.61
198	0	169	1210.00	13 9	-.011	0	886.49
199	3	92	1181.90	13 15	-.008	0	883.94
200	0	158	1237.80	13 22	-.004	0	889.01

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
201	33	D	1	133	67.70	298.522	1335.3	648.6	1166.8	-30.60
202	33	D	1	134	62.80	299.000	1788.8	986.7	1491.8	-27.60
203	33	D	1	135	45.40	298.883	1383.5	1046.2	905.0	-23.80
204	33	D	1	137	392.55	300.264	1906.5	1893.4	-222.6	8.43
205	33	D	1	138	384.83	298.990	725.4	704.8	-171.2	-11.19
206	33	D	1	136	367.32	300.118	1333.6	1161.7	-654.9	2.86
207	33	D	1	139	288.35	299.488	1263.4	-229.9	-1242.3	-9.77
208	33	D	1	140	248.53	298.972	1345.0	-972.6	-928.7	-21.31
209	33	D	1	141	231.57	298.870	1560.9	-1372.7	-742.6	-29.26
210	33	D	1	142	210.83	298.800	2206.6	-2174.4	-373.5	-42.98
211	33	D	1	143	206.07	297.731	863.3	-858.8	-82.1	-30.34
212	33	D	1	144	183.67	298.168	1502.5	-1452.7	381.0	-42.73
213	9	D	0	7	232.26	299.277	340.5	-297.7	-165.2	-3.63
214	9	D	0	39	34.53	300.097	246.8	211.4	127.4	.61
215	9	D	1	145	34.53	300.097	246.8	211.4	127.4	.61
216	9	D	0	40	34.62	300.580	756.2	647.1	391.2	7.16
217	9	D	1	146	34.62	300.580	756.2	647.1	391.2	7.16
218	39	D	0	9	234.53	299.788	246.8	-211.4	-127.4	-.58
219	39	D	1	147	178.92	298.341	477.4	-451.3	155.2	-12.18
220	39	D	0	9	234.53	200.000	0.0	0.0	0.0	1.47
221	39	D	0	41	381.06	300.780	441.7	422.3	-129.5	5.69
222	39	D	1	148	381.06	300.780	441.7	422.3	-129.5	5.69
223	41	D	0	39	181.06	299.142	441.7	-422.3	129.5	-3.74
224	41	D	0	42	394.04	301.230	489.0	486.8	-45.7	9.66
225	42	D	0	41	194.04	298.702	489.0	-486.8	45.7	-9.71
226	42	D	0	43	346.42	301.239	212.8	141.8	-158.7	4.38
227	42	D	1	149	346.42	301.239	212.8	141.8	-158.7	4.38
228	43	D	0	42	146.42	298.609	212.8	-141.7	158.7	-4.40
229	43	D	1	150	366.75	301.630	705.8	611.5	-352.0	16.34
230	43	D	0	44	29.66	305.780	15.7	14.0	7.0	1.41
231	44	D	0	43	229.66	293.536	15.7	-14.0	-7.0	-1.40
232	44	D	1	151	34.61	300.856	558.9	478.3	289.1	5.72
233	40	D	0	9	234.62	299.370	756.1	-647.0	-391.2	-7.23
234	40	D	0	45	34.00	300.160	335.3	288.6	170.7	1.07
235	40	D	1	152	137.42	298.703	411.3	-228.0	342.2	-8.14
236	45	D	0	40	234.00	299.744	335.3	-288.6	-170.7	-1.10
237	45	D	0	46	62.52	300.040	662.7	368.0	551.1	.69
238	46	D	0	45	262.52	299.909	662.7	-368.0	-551.1	-.66
239	46	D	0	47	57.12	299.830	340.1	212.1	265.8	-.66
240	46	D	1	153	60.34	299.112	23.4	13.7	19.0	-.09
241	46	D	1	154	354.80	300.839	556.3	421.8	-362.6	7.67
242	47	D	0	46	257.12	300.075	340.1	-212.1	-265.8	.63
243	47	D	0	48	367.86	300.854	53.5	46.8	-25.9	.96
244	48	D	0	47	167.86	298.613	53.3	-46.6	25.8	-.94
245	48	D	0	33	48.05	300.979	1379.9	1005.0	945.3	21.57
246	27	D	0	29	21.39	301.577	538.5	508.2	177.5	13.61
247	27	D	0	49	114.21	299.920	495.4	-109.7	483.1	-.35
248	49	D	0	27	314.21	300.005	495.4	109.7	-483.1	.31
249	49	D	0	50	112.21	300.171	209.7	-40.0	205.9	.83
250	50	D	0	49	312.21	299.691	209.7	40.0	-205.9	-.83

N.F.	Cod	Est	Lect.Gr	Hora	Ls	Fecha	Valor
251	0	180	1264.50	10 30	.034	0	889.93
252	0	161	1259.90	10 36	.031	0	889.51
253	0	243	1237.20	10 45	.028	0	887.45
254	0	171	1217.55	10 55	.024	0	885.66
255	3	112	1158.80	11 42	.006	0	880.31
256	0	195	1156.45	11 45	.005	0	880.10
257	2	446	1154.85	11 50	.003	0	879.95
258	1	446	1154.85	11 50	.003	21084	879.95
259	0	201	1138.65	11 55	.001	0	878.48
260	0	203	1098.90	12 4	-.002	0	874.87
261	0	213	1073.50	12 12	-.005	0	872.56
262	0	214	982.90	12 17	-.007	0	864.34
263	0	202	1133.45	12 34	-.012	0	877.99
264	0	207	1108.40	12 41	-.015	0	875.72
265	3	188	1221.20	13 0	-.020	0	885.94
266	0	206	1166.30	13 6	-.022	0	880.96
267	0	205	1189.55	13 15	-.024	0	883.07
268	0	204	1135.55	13 39	-.032	0	878.16
269	2	446	1155.25	13 45	-.033	0	879.95
270	1	447	1256.65	15 55	-.045	21084	889.16
271	3	177	1280.25	16 5	-.045	0	891.30
272	0	137	1178.60	16 45	-.046	0	882.09
273	0	144	1276.15	17 13	-.046	0	890.95
274	0	143	1243.55	17 21	-.046	0	887.99
275	0	153	1209.90	17 29	-.047	0	884.94
276	0	154	1193.20	17 40	-.047	0	883.43
277	0	148	1209.20	17 48	-.047	0	884.88
278	2	447	1256.35	18 5	-.047	0	889.16
279	1	446	1164.40	8 18	.097	41084	879.95
280	0	216	1142.10	8 24	.098	0	877.93
281	0	218	1157.50	8 28	.100	0	879.32
282	0	221	1102.20	8 34	.101	0	874.30
283	0	223	1047.50	8 40	.102	0	869.34
284	0	220	1138.30	8 50	.104	0	877.57
285	0	226	1108.35	8 56	.105	0	874.85
286	0	231	1146.90	9 1	.105	0	878.35
287	0	230	1180.85	9 10	.106	0	881.42
288	0	228	1086.95	9 20	.107	0	872.90
289	0	229	1029.55	9 27	.107	0	867.69
290	0	215	1148.65	9 38	.107	0	878.49
291	0	227	1175.25	9 45	.107	0	880.90
292	2	446	1164.90	10 0	.106	0	879.95
293	1	446	1168.45	8 9	.078	51084	879.95
294	3	218	1161.50	8 17	.082	0	879.32
295	0	219	1137.15	8 30	.088	0	877.11
296	0	232	1126.70	8 34	.090	0	876.16
297	0	233	1069.50	8 50	.097	0	870.96
298	0	217	1168.85	9 0	.100	0	879.97
299	0	234	1187.35	9 20	.107	0	881.64
300	3	230	1185.10	9 30	.110	0	881.43

N.F.	Cod	Est	Lect.Gr	Hora	Ls	Fecha	Valor
301	2	446	1169.00	10 8	.117	0	879.95
302	1	446	1169.00	10 8	.117	51084	879.95
303	0	225	1120.00	10 30	.118	0	875.50
304	0	251	1198.90	10 52	.117	0	882.65
305	0	253	1160.10	11 20	.112	0	879.12
306	0	250	1221.85	11 40	.106	0	884.71
307	0	185	1181.05	11 48	.104	0	881.01
308	0	247	1229.25	12 0	.100	0	885.37
309	0	245	1225.35	12 7	.097	0	885.01
310	0	241	1186.35	12 11	.095	0	881.47
311	2	446	1169.70	12 31	.086	0	879.95
312	1	446	1169.70	12 31	.086	51084	879.95
313	0	235	1141.20	13 1	.070	0	877.35
314	0	236	1140.80	13 17	.060	0	877.30
315	0	237	1101.30	13 29	.052	0	873.71
316	0	239	1090.35	13 43	.042	0	872.71
317	0	238	1150.65	13 57	.032	0	878.17
318	0	252	1127.90	14 34	.009	0	876.08
319	2	446	1170.70	14 53	-.005	0	879.95
320	1	446	1187.90	8 13	-.010	81084	879.95
321	0	210	1153.05	8 22	-.003	0	876.79
322	0	222	1149.25	8 52	.020	0	876.45
323	0	249	1196.70	9 1	.026	0	880.76
324	3	238	1167.20	9 12	.035	0	878.08
325	3	241	1203.90	9 23	.043	0	881.41
326	0	240	1213.10	9 29	.049	0	882.25
327	0	248	1166.65	9 36	.054	0	878.22
328	0	246	1233.50	9 53	.066	0	884.11
329	0	211	983.40	10 28	.089	0	861.42
330	3	209	1101.25	10 38	.095	0	872.11
331	2	446	1187.65	10 48	.100	0	879.95
332	1	446	1187.65	10 48	.100	81084	879.95
333	0	199	1070.40	11 16	.113	0	869.33
334	3	198	1129.60	11 23	.116	0	874.70
335	0	192	1251.95	11 35	.119	0	885.81
336	2	446	1187.35	11 44	.122	0	879.95
337	1	447	1287.75	11 55	.123	81084	889.16
338	0	181	1307.15	12 7	.125	0	890.92
339	3	184	1290.30	12 15	.126	0	889.39
340	0	186	1278.65	12 22	.126	0	888.33
341	0	190	1282.20	12 44	.124	0	888.65
342	0	191	1255.10	12 52	.123	0	886.19
343	0	193	1287.60	13 4	.120	0	889.13
344	0	254	1280.15	13 12	.117	0	888.45
345	0	255	1240.05	13 21	.114	0	884.81
346	3	170	1246.30	13 31	.111	0	885.37
347	2	447	1288.20	13 41	.105	0	889.16
348	1	445	1126.50	8 2	-.047	91084	874.52
349	3	233	1086.90	8 40	-.021	0	870.91
350	0	242	1175.05	8 50	-.013	0	878.90

N.F.	Cod	Est	Lect.Gr	Hora	Ls	Fecha	Valor
351	0	244	1144.10	9 2	-.005	0	876.08
352	3	228	1108.70	9 12	.004	0	872.87
353	0	194	1231.05	9 30	.017	0	883.96
354	3	192	1251.65	9 37	.023	0	885.82
355	0	256	1186.65	9 50	.033	0	879.92
356	0	257	1068.10	9 59	.041	0	869.17
357	2	445	1127.20	10 13	.051	0	874.52
358	1	445	1127.20	10 13	.051	91084	874.52
359	0	260	1277.45	10 26	.061	0	888.15
360	0	261	1257.70	10 32	.064	0	886.36
361	0	262	1279.60	10 38	.069	0	888.34
362	0	263	1219.50	10 45	.074	0	882.89
363	0	266	1255.40	10 50	.077	0	886.15
364	0	264	1262.90	10 58	.082	0	886.83
365	0	265	1192.20	11 0	.083	0	880.41
366	0	269	1164.90	11 9	.088	0	877.94
367	0	270	1229.95	11 15	.092	0	883.83
368	0	271	1289.25	11 20	.095	0	889.21
369	0	272	1296.45	11 29	.100	0	889.86
370	0	273	1264.40	11 34	.102	0	886.96
371	0	274	1195.95	11 38	.103	0	880.74
372	0	267	1290.40	11 55	.110	0	889.31
373	0	268	1291.95	12 4	.112	0	889.44
374	0	259	1275.45	12 8	.113	0	887.94
375	0	258	1275.10	12 13	.115	0	887.91
376	2	445	1127.55	12 24	.116	0	874.52
377	1	447	1290.05	15 16	.056	91084	889.16
378	0	282	1187.30	15 36	.039	0	879.85
379	0	283	1230.10	15 50	.029	0	883.74
380	0	281	1214.20	16 3	.019	0	882.30
381	0	279	1154.10	16 16	.009	0	876.85
382	0	280	1182.60	16 27	0.000	0	879.44
383	0	275	1170.90	16 40	-.010	0	878.39
384	0	276	968.35	17 0	-.026	0	860.02
385	0	277	985.40	17 14	-.036	0	861.58
386	0	278	1076.90	17 40	-.051	0	869.89
387	2	447	1289.20	18 4	-.065	0	889.16
388	1	447	1293.25	15 30	.054	101084	889.16
389	0	284	1144.80	15 45	.044	0	875.69
390	0	285	1017.75	15 56	.034	0	864.16
391	0	286	1059.95	16 6	.027	0	867.99
392	4	256	1173.05	16 16	.020	0	878.24
393	0	287	1019.90	16 36	.003	0	864.34
394	0	288	1145.50	16 51	-.007	0	875.73
395	0	224	1171.10	17 4	-.017	0	878.05
396	0	289	1102.30	17 13	-.024	0	871.80
397	0	294	1187.25	17 35	-.032	0	879.51
398	0	291	1196.05	17 43	-.044	0	880.30
399	0	290	1217.25	17 49	-.048	0	882.22
400	0	292	1228.80	17 56	-.052	0	883.26

N.F.	Cod	Est	Lect.Gr	Hora	Ls	Fecha	Valor
401	0	293	1220.90	18 5	-.058	0	882.55
402	2	447	1293.85	18 29	-.069	0	889.16
403	1	447	1297.40	8 10	-.077	111084	889.16
404	0	296	1287.50	8 23	-.072	0	888.27
405	0	295	1301.30	8 28	-.070	0	889.52
406	3	273	1273.40	8 34	-.068	0	886.99
407	0	299	1164.40	8 40	-.066	0	877.10
408	0	300	1261.90	8 47	-.063	0	885.95
409	0	301	1213.55	8 52	-.060	0	881.57
410	0	298	1181.10	9 0	-.056	0	878.63
411	0	297	1239.70	9 6	-.053	0	883.94
412	0	302	1242.10	9 9	-.050	0	884.16
413	0	303	1208.80	9 14	-.048	0	881.15
414	0	304	1186.80	9 22	-.043	0	879.15
415	0	305	1284.20	9 26	-.040	0	887.99
416	0	306	1300.80	9 37	-.034	0	889.50
417	0	307	1248.10	9 45	-.029	0	884.72
418	0	308	1252.90	9 46	-.028	0	885.16
419	0	309	1207.30	9 52	-.024	0	881.03
420	3	271	1297.50	10 2	-.017	0	889.22
421	3	263	1227.45	10 7	-.013	0	882.87
422	0	310	1309.75	10 33	.004	0	890.34
423	2	447	1296.65	10 38	.009	0	889.16

ANEXO IV

Est	X	Y	Z	G	Gn	T	A	C	A1
1	569370.	4081589.	98.12	884.72	894.10	0.00	12.67	8.22	11.43
2	569674.	4082020.	109.81	883.03	894.44	.02	13.29	9.18	11.91
3	569879.	4082438.	115.88	882.89	894.76	.02	14.19	9.69	12.74
4	570067.	4082903.	117.28	883.55	895.13	.01	14.79	9.82	13.32
5	570201.	4083375.	133.56	880.16	895.50	0.00	14.68	11.19	13.00
6	569045.	4081215.	92.88	885.24	893.81	0.00	12.30	7.78	11.13
7	568755.	4081676.	102.95	883.47	894.18	.06	12.49	8.57	11.20
8	567587.	4083360.	159.97	870.87	895.50	0.00	11.31	13.41	9.30
9	568012.	4082522.	135.73	876.14	894.84	0.00	11.79	11.38	10.09
10	568303.	4082874.	153.46	872.39	895.12	0.00	11.76	12.86	9.83
11	569099.	4080687.	88.42	885.67	893.40	0.00	12.14	7.41	11.03
12	569689.	4081044.	85.33	887.15	893.67	.02	12.67	7.13	11.60
13	569408.	4080481.	85.34	886.27	893.24	0.00	12.21	7.15	11.13
14	570286.	4081404.	92.76	886.60	893.95	0.00	13.49	7.78	12.33
15	570642.	4081619.	96.78	886.55	894.12	0.00	14.18	8.11	12.96
17	570777.	4082568.	121.65	882.86	894.86	0.00	15.34	10.20	13.81
19	571285.	4082418.	106.22	886.75	894.74	0.00	15.88	8.90	14.54
20	570862.	4082956.	120.28	883.83	895.16	0.00	15.70	10.08	14.19
21	571255.	4081892.	98.63	887.39	894.33	.01	15.24	8.26	14.00
22	571639.	4082061.	98.06	887.75	894.46	.03	15.36	8.19	14.13
23	568182.	4083355.	159.65	871.55	895.49	0.00	11.93	13.38	9.93
24	568090.	4084095.	186.27	866.16	896.07	0.00	11.94	15.61	9.60
25	568071.	4084667.	198.89	864.54	896.52	0.00	12.72	16.67	10.21
26	567875.	4085107.	209.16	863.07	896.87	0.00	13.20	17.53	10.57
27	567673.	4085681.	237.05	858.58	897.32	0.00	14.53	19.87	11.55
28	568455.	4084524.	181.31	868.61	896.41	0.00	12.95	15.20	10.67
29	568758.	4083827.	163.97	871.65	895.86	0.00	12.64	13.74	10.57
30	568867.	4083142.	142.95	875.69	895.32	0.00	12.49	11.98	10.70
31	569164.	4082405.	134.86	877.53	894.74	0.00	13.09	11.30	11.40
32	567289.	4083859.	181.21	866.28	895.89	0.00	11.11	15.19	8.83
33	567130.	4084608.	215.78	859.20	896.48	0.00	11.21	18.09	8.50
34	569537.	4083792.	152.00	875.15	895.83	0.00	13.48	12.74	11.57
35	570228.	4083872.	142.54	878.17	895.88	0.00	14.32	11.95	12.53
37	567546.	4086892.	282.91	852.35	898.26	0.00	17.66	23.71	14.10
38	567584.	4086221.	256.53	855.35	897.74	0.00	15.26	21.50	12.03
39	570255.	4084859.	163.88	874.92	896.66	0.00	15.10	13.74	13.04
40	569532.	4084271.	164.14	872.97	896.20	0.00	13.66	13.76	11.60
41	570285.	4085364.	170.38	875.02	897.05	0.00	16.26	14.28	14.12
42	570322.	4085855.	180.35	875.35	897.44	0.00	18.44	15.12	16.18
43	570364.	4086372.	186.01	875.77	897.84	0.00	19.74	15.59	17.40
44	569735.	4085904.	168.16	873.35	897.48	0.00	18.16	15.77	15.79
45	570067.	4085476.	175.12	874.50	897.14	0.00	16.71	14.68	14.51
46	569050.	4086418.	213.23	868.69	897.88	0.00	18.72	17.87	16.04
47	568624.	4086695.	228.10	865.92	898.10	0.00	19.08	19.12	16.21
48	568071.	4086840.	262.36	857.82	898.22	0.00	18.56	21.99	15.26
49	569369.	4085182.	176.84	872.55	896.91	0.00	15.37	14.82	13.15
50	568800.	4085873.	210.88	866.65	897.46	0.00	16.58	17.68	13.93

Est	X	Y	Z	G	Gn	T	A	C	A1
51	570922.	4086272.	171.03	879.24	897.76	0.00	19.92	14.34	17.77
52	571010.	4086840.	183.15	879.36	898.20	0.00	22.32	15.35	20.02
53	569968.	4086793.	214.90	872.16	898.17	0.00	22.28	18.01	19.58
54	569867.	4087476.	240.88	869.79	898.71	0.00	25.22	20.19	22.19
55	571482.	4086535.	167.21	880.81	897.96	0.00	20.42	14.02	18.32
56	571390.	4085953.	158.21	880.49	897.51	0.00	18.53	13.26	16.55
57	570468.	4087043.	199.79	877.14	898.36	0.00	23.67	16.75	21.16
58	570563.	4087739.	212.25	875.54	898.91	0.00	24.33	17.79	21.66
59	570644.	4088644.	236.66	870.31	899.62	0.00	23.88	19.84	20.90
60	571077.	4087911.	208.44	876.12	899.04	0.00	23.92	17.47	21.30
61	571574.	4087404.	180.01	879.60	898.64	0.00	21.41	15.09	19.15
62	571863.	4086754.	167.78	880.96	898.13	0.00	20.53	14.06	18.42
63	572286.	4087585.	176.76	877.47	898.78	0.00	18.41	14.82	16.19
64	570160.	4088138.	235.84	871.27	899.22	0.00	25.04	19.77	22.08
65	569377.	4087369.	254.53	866.41	898.63	.01	25.00	21.32	21.80
66	572342.	4088116.	192.56	874.03	899.19	0.00	18.11	16.14	15.69
67	571908.	4088239.	195.58	874.35	899.29	0.00	19.01	16.39	16.55
68	571359.	4088830.	220.04	870.32	899.76	.64	20.66	17.80	17.99
69	571901.	4089022.	216.88	869.24	899.90	0.00	18.07	18.18	15.34
70	572396.	4089428.	212.07	869.90	900.22	.02	17.36	17.75	14.70
71	571714.	4089575.	230.66	867.24	900.34	0.00	18.74	19.33	15.84
72	571139.	4089371.	239.87	866.99	900.18	0.00	20.71	20.10	17.70
73	572851.	4089279.	195.62	873.20	900.10	0.00	17.06	16.40	14.60
74	573441.	4089130.	174.97	877.62	899.98	0.00	16.96	14.66	14.76
75	572921.	4089887.	205.55	871.37	900.57	0.00	16.99	17.23	14.40
76	573629.	4089865.	185.55	876.16	900.55	0.00	17.30	15.55	14.97
77	574046.	4088789.	157.48	881.90	899.71	.01	17.59	13.19	15.61
78	574622.	4088525.	144.56	884.03	899.50	0.00	17.02	12.12	15.20
79	572990.	4088293.	170.86	879.79	899.33	0.00	18.86	14.32	16.72
80	574886.	4089933.	170.28	880.29	900.60	.02	17.98	14.26	15.84
81	574072.	4090254.	191.11	875.87	900.85	0.00	17.96	16.02	15.56
82	574580.	4089604.	159.64	882.19	900.34	0.00	17.72	13.38	15.71
83	575346.	4089436.	159.35	882.05	900.20	0.00	17.66	13.36	15.65
84	574211.	4089306.	157.47	882.10	900.11	0.00	17.38	13.20	15.40
85	574961.	4088691.	141.86	884.93	899.62	0.00	17.19	11.89	15.41
86	575523.	4089944.	173.19	879.72	900.60	.02	18.05	14.50	15.88
87	576270.	4090040.	185.03	877.49	900.67	.64	19.04	14.87	16.81
88	577005.	4090134.	187.51	877.62	900.74	.02	19.03	15.70	16.68
89	575981.	4090541.	192.74	876.51	901.06	0.00	18.76	16.15	16.34
90	574917.	4090487.	182.61	879.52	901.03	0.00	19.53	15.31	17.24
91	575993.	4089297.	159.00	882.59	900.09	.01	18.24	13.32	16.25
92	576587.	4088982.	154.41	883.89	899.84	.01	18.76	12.93	16.82
93	577024.	4088684.	145.20	885.31	899.60	0.00	18.33	12.17	16.51
94	576688.	4087647.	125.61	888.89	898.79	0.00	18.32	10.53	16.74
95	575585.	4088131.	134.06	886.49	899.18	0.00	17.43	11.24	15.75
96	576035.	4087915.	130.61	887.36	899.01	0.00	17.70	10.95	16.06
97	575622.	4087433.	124.65	888.23	898.64	0.00	17.61	10.45	16.04
98	574176.	4087634.	138.44	884.70	898.80	0.00	17.01	11.60	15.27
99	574713.	4087140.	124.96	887.57	898.41	0.00	17.24	10.47	15.67
100	572143.	4085978.	147.10	883.28	897.52	0.00	18.81	12.33	16.96

Est	X	Y	Z	G	Gn	T	A	C	A1
101	572785.	4087879.	174.68	877.16	899.00	0.00	17.41	14.64	15.21
102	573404.	4087538.	155.76	880.82	898.73	0.00	17.10	13.06	15.14
103	573880.	4087406.	144.40	883.36	898.63	0.00	17.19	12.10	15.37
104	572744.	4087267.	162.17	879.80	898.52	0.00	17.72	13.59	15.68
105	576114.	4091158.	221.00	872.38	901.55	.05	20.55	18.47	17.78
106	577230.	4089477.	166.16	881.76	900.22	0.00	18.87	13.93	16.78
107	576939.	4091227.	220.30	872.39	901.60	0.00	20.30	18.47	17.53
108	577626.	4090324.	187.41	877.87	900.88	0.00	19.10	15.71	16.75
109	577729.	4089893.	173.79	880.29	900.55	0.00	18.80	14.57	16.62
110	578249.	4090616.	187.89	878.62	901.11	.03	19.76	15.72	17.40
111	578850.	4090966.	189.22	878.98	901.38	.01	20.13	15.85	17.75
112	579447.	4091317.	185.83	880.45	901.65	0.00	20.56	15.58	18.22
113	577432.	4090910.	205.00	875.15	901.34	0.00	19.87	17.18	17.30
115	577953.	4091401.	213.31	874.81	901.72	0.00	21.02	17.88	18.34
116	577956.	4091931.	231.52	872.05	902.14	.01	21.95	19.40	19.04
117	577305.	4092403.	257.55	867.52	902.51	0.00	22.88	21.59	19.64
118	577469.	4093013.	282.48	862.36	902.99	.02	22.87	23.66	19.32
119	578365.	4090418.	180.38	879.84	900.95	0.00	19.43	15.12	17.16
120	579159.	4090590.	175.60	881.51	901.08	0.00	19.89	14.72	17.68
121	578784.	4089676.	160.07	883.77	900.37	.03	19.40	13.39	17.39
123	577873.	4088806.	146.92	885.78	899.69	0.00	19.10	12.31	17.25
124	578255.	4089871.	169.04	881.94	900.52	0.00	19.40	14.17	17.27
125	574503.	4085717.	110.53	890.85	897.30	0.00	18.39	9.26	17.00
126	574158.	4085539.	116.12	888.94	897.16	0.00	17.87	9.73	16.41
127	573606.	4085019.	116.16	887.64	896.76	0.00	16.98	9.74	15.52
128	573096.	4084522.	117.85	885.73	896.37	0.00	15.84	9.88	14.36
129	574281.	4084830.	106.30	889.92	896.61	0.00	17.20	8.91	15.86
130	574764.	4084444.	101.13	890.97	896.30	0.00	17.39	8.48	16.12
131	574924.	4085332.	106.21	891.32	897.00	0.00	18.19	8.90	16.86
132	575501.	4085092.	104.57	891.75	896.80	0.00	18.45	8.77	17.13
133	574910.	4085930.	110.08	891.30	897.46	.01	18.58	9.22	17.20
134	575235.	4086268.	113.08	890.79	897.73	0.00	18.48	9.47	17.06
135	574648.	4086328.	116.88	889.76	897.78	0.00	18.25	9.80	16.78
136	573088.	4086443.	143.54	883.72	897.88	0.00	18.10	12.03	16.29
137	573520.	4087175.	149.11	882.09	898.45	0.00	17.15	12.50	15.28
138	573572.	4085986.	129.49	885.98	897.52	0.00	17.56	10.85	15.93
139	572501.	4085052.	130.91	883.59	896.79	.01	16.23	10.96	14.58
141	573000.	4083909.	111.42	886.97	895.89	0.00	16.11	9.34	14.71
142	573369.	4083107.	97.70	889.61	895.27	0.00	16.30	8.19	15.08
143	573661.	4084423.	110.34	887.99	896.29	0.00	16.49	9.25	15.11
144	574124.	4083829.	97.95	890.95	895.82	.02	17.16	8.19	15.93
145	571577.	4082927.	110.50	886.41	895.14	0.00	16.11	9.26	14.72
146	571841.	4083363.	117.05	884.89	895.48	.04	15.76	9.77	14.29
147	571733.	4082477.	98.31	888.81	894.78	0.00	16.12	8.24	14.89
148	571449.	4083350.	116.18	884.88	895.47	0.00	15.52	9.74	14.06
149	571243.	4083979.	130.26	881.83	895.96	0.00	15.15	10.92	13.51
150	570892.	4084591.	146.61	878.67	896.44	0.00	15.17	12.29	13.33

Est	X	Y	Z	G	Gn	T	A	C	A1
151	571540.	4084471.	137.40	880.86	896.34	.04	15.43	11.48	13.71
152	572183.	4083134.	108.95	886.79	895.29	0.00	15.97	9.13	14.60
153	572576.	4084038.	118.67	884.94	896.00	.02	15.62	9.93	14.14
154	572194.	4084446.	126.43	883.43	896.32	0.00	15.52	10.60	13.93
155	577022.	4088049.	132.75	888.61	899.11	0.00	19.34	11.13	17.67
156	576221.	4087193.	120.70	889.24	898.44	0.00	17.92	10.12	16.40
157	575721.	4086632.	115.92	890.24	898.01	0.00	18.28	9.72	16.82
158	577947.	4088050.	133.32	889.01	899.10	0.00	19.86	11.17	18.19
159	578616.	4087893.	130.81	890.35	898.97	0.00	20.78	10.96	19.13
160	579184.	4087923.	132.31	890.99	898.99	0.00	21.73	11.09	20.06
161	579192.	4088447.	138.02	889.51	899.40	0.00	21.13	11.57	19.39
162	579569.	4087674.	136.34	890.77	898.80	0.00	22.61	11.43	20.90
163	579179.	4087256.	136.51	890.28	898.47	0.00	22.48	11.44	20.76
164	578637.	4086566.	137.33	889.16	897.93	0.00	22.08	11.51	20.36
165	578152.	4086200.	129.77	889.87	897.65	.01	21.39	10.87	19.76
166	577814.	4087005.	121.97	891.29	898.28	.01	20.42	10.22	18.88
167	577329.	4087432.	124.34	890.04	898.62	0.00	19.36	10.42	17.79
168	577155.	4086872.	118.64	891.10	898.18	0.00	19.58	9.94	18.09
169	576672.	4088266.	137.18	886.49	899.28	0.00	18.04	11.50	16.32
170	578811.	4089238.	151.85	885.42	900.02	0.00	19.52	12.73	17.61
171	579377.	4089491.	154.19	885.66	900.22	0.00	20.10	12.92	18.16
172	579864.	4089301.	149.89	888.19	900.07	0.00	21.80	12.56	19.92
173	578636.	4087358.	128.62	891.27	898.55	0.00	21.62	10.78	20.00
174	577169.	4086339.	118.08	891.38	897.77	0.00	20.15	9.89	18.67
175	577588.	4085806.	121.76	890.58	897.35	0.00	20.60	10.21	19.07
176	577147.	4085467.	117.28	890.80	897.09	0.00	20.07	9.83	18.60
177	576476.	4085988.	112.84	891.28	897.50	0.00	19.14	9.46	17.72
178	576592.	4086937.	118.47	890.46	898.24	0.00	18.84	9.93	17.35
179	576245.	4084959.	109.35	891.52	896.69	0.00	19.39	9.17	18.02
180	579999.	4087611.	142.32	889.93	898.74	0.00	23.17	11.93	21.38
181	579967.	4088103.	138.23	890.92	899.13	0.00	22.86	11.58	21.12
182	580252.	4088932.	146.32	889.65	899.77	.01	22.77	12.25	20.93
183	581112.	4088060.	149.23	889.15	899.09	0.00	23.60	12.51	21.73
184	581238.	4088528.	148.36	889.48	899.45	0.00	23.37	12.44	21.51
185	582451.	4090828.	190.17	881.01	901.24	.04	22.54	15.90	20.16
186	581991.	4089229.	153.89	888.33	899.99	0.00	22.92	12.90	20.99
187	580946.	4088934.	145.76	889.89	899.77	0.00	22.88	12.21	21.05
188	581396.	4090334.	167.33	885.94	900.86	0.00	22.68	14.03	20.58
189	580849.	4089861.	157.28	887.89	900.50	0.00	22.74	13.18	20.76
190	582112.	4089637.	153.22	888.65	900.31	0.00	22.77	12.84	20.84
191	582154.	4090058.	166.80	886.19	900.64	0.00	23.03	13.98	20.93
192	580374.	4090264.	163.40	885.81	900.82	0.00	21.71	13.70	19.65
193	581265.	4089688.	153.20	889.13	900.36	0.00	23.20	12.84	21.27
194	580097.	4090727.	168.34	883.96	901.18	.01	20.62	14.10	18.50
195	580112.	4091712.	189.46	880.10	901.95	.03	20.75	15.85	18.37
196	579647.	4092405.	209.62	876.50	902.50	0.00	21.11	17.57	18.47
197	579754.	4093353.	228.05	875.51	903.24	.01	23.53	19.11	20.66
198	578711.	4092182.	220.11	874.81	902.33	0.00	21.94	18.45	19.17
199	578088.	4092606.	252.12	869.33	902.67	0.00	23.32	21.13	20.15
200	578720.	4091600.	206.50	876.64	901.87	0.00	21.17	17.31	18.58

Est	X	Y	Z	G	Gn	T	A	C	A1
201	580774.	4092259.	199.14	878.48	902.38	0.00	20.86	16.69	18.35
202	581470.	4092805.	207.18	877.99	902.80	0.00	21.75	17.37	19.15
203	581445.	4093625.	229.72	874.87	903.44	.01	23.06	19.25	20.17
204	581302.	4091980.	198.10	878.16	902.15	0.00	20.53	16.60	18.04
205	580786.	4091046.	177.07	883.07	901.43	0.00	21.44	14.84	19.21
206	581561.	4090963.	187.12	880.96	901.35	0.00	21.66	15.68	19.31
207	581794.	4092463.	210.91	875.72	902.53	.01	20.59	17.67	17.94
208	580233.	4092718.	208.00	877.74	902.74	0.00	21.74	17.43	19.13
209	580279.	4093770.	245.07	872.15	903.56	0.00	23.66	20.54	20.58
210	580690.	4092961.	213.72	876.79	902.93	.02	21.91	17.89	19.23
211	580107.	4094144.	295.20	861.42	903.86	.03	23.94	24.71	20.23
212	578546.	4093089.	242.52	871.94	903.04	0.00	23.40	20.33	20.35
213	581127.	4094139.	242.97	872.56	903.85	.01	23.33	20.36	20.27
214	580816.	4094903.	279.79	864.34	904.45	.01	22.78	23.44	19.26
215	583953.	4094289.	216.20	878.49	903.94	0.00	23.13	18.12	20.42
216	581958.	4093342.	211.07	877.93	903.21	0.00	22.15	17.69	19.49
217	584617.	4093946.	201.79	879.97	903.67	.02	21.67	16.90	19.13
218	582545.	4094051.	213.07	879.32	903.77	0.00	23.44	17.86	20.76
219	585384.	4093579.	213.84	877.11	903.37	0.00	21.79	17.92	19.10
220	583071.	4094518.	223.48	877.57	904.13	0.00	23.67	18.73	20.86
221	582215.	4094742.	238.61	874.30	904.31	0.00	23.62	20.00	20.62
222	584219.	4093311.	212.40	876.45	903.17	0.00	21.01	17.80	18.34
223	581527.	4095183.	259.07	869.34	904.66	0.00	22.90	21.71	19.65
224	583569.	4093711.	207.63	878.05	903.49	0.00	21.21	17.40	18.60
225	583563.	4092823.	215.66	875.50	902.80	0.00	21.17	18.08	18.46
226	583608.	4095174.	239.84	874.85	904.64	0.00	24.11	20.10	21.10
227	584829.	4094522.	210.30	880.90	904.12	0.00	24.04	17.63	21.40
228	582706.	4095626.	246.23	872.90	905.00	0.00	23.24	20.64	20.14
229	582501.	4096367.	270.52	867.69	905.38	.01	22.91	22.67	19.51
230	584218.	4095800.	208.64	881.42	905.12	.01	23.19	17.48	20.57
231	584186.	4094976.	225.80	878.35	904.48	0.00	24.61	18.93	21.77
232	586133.	4093399.	220.10	876.16	903.23	0.00	22.39	18.45	19.62
233	586838.	4093060.	244.51	870.96	902.96	0.00	22.96	20.49	19.88
234	585304.	4094800.	210.07	881.64	904.33	0.00	24.52	17.61	21.88
235	585781.	4094040.	215.71	877.35	903.73	.03	22.12	18.05	19.41
236	585958.	4092804.	214.20	877.30	902.76	0.00	22.68	17.95	19.98
237	585919.	4092189.	229.19	873.71	902.28	0.00	22.93	19.21	20.05
238	585336.	4092101.	207.01	878.17	902.22	0.00	22.47	17.35	19.87
239	585750.	4091515.	235.76	872.71	901.75	.01	23.95	19.75	20.99
240	584510.	4091273.	185.12	882.25	901.58	0.00	22.28	15.52	19.95
241	583936.	4091695.	188.64	881.47	901.91	0.00	21.95	15.81	19.58
242	586497.	4093898.	210.58	878.90	903.62	.01	22.61	17.64	19.97
243	578219.	4088544.	140.45	887.45	899.49	0.00	19.53	11.77	17.76
244	583351.	4095741.	231.94	876.08	905.08	0.00	23.12	19.44	20.21
245	583723.	4090571.	172.01	885.01	901.03	0.00	22.64	14.42	20.47
246	584244.	4089863.	176.28	884.11	900.47	0.00	23.25	14.78	21.03
247	583523.	4089643.	168.86	885.37	900.31	0.00	23.01	14.15	20.89
248	585180.	4090746.	208.84	878.22	901.16	0.00	23.99	17.50	21.37
249	584816.	4092306.	192.71	880.76	902.38	0.00	21.68	16.15	19.26

Est	X	Y	Z	G	Gn	T	A	C	A1
251	582895.	4091594.	183.67	882.65	901.84	0.00	22.09	15.40	19.78
252	582831.	4092625.	213.56	876.08	902.65	0.00	21.43	17.90	18.74
253	581867.	4091420.	196.52	879.12	901.71	0.00	21.57	16.47	19.10
254	580456.	4089496.	152.99	888.45	900.21	0.00	22.61	12.82	20.69
255	579862.	4090072.	162.61	884.81	900.67	0.00	20.68	13.63	18.64
256	575548.	4090858.	193.10	878.24	901.32	0.00	20.32	16.19	17.89
257	576227.	4091781.	237.68	869.17	902.03	0.00	20.54	19.92	17.56
258	569856.	4080012.	78.04	887.91	892.87	0.00	12.58	6.54	11.60
259	570050.	4079318.	76.20	887.94	892.32	0.00	12.74	6.39	11.79
260	569983.	4080617.	80.95	888.15	893.34	0.00	13.00	6.79	11.98
261	570507.	4080937.	91.82	886.36	893.59	0.00	13.40	7.70	12.25
262	571039.	4080380.	82.79	888.34	893.15	.01	13.81	6.93	12.77
263	571915.	4079978.	107.08	882.89	892.83	0.00	14.13	8.98	12.78
264	571757.	4080612.	92.41	886.83	893.32	0.00	14.27	7.75	13.11
265	572404.	4080365.	121.00	880.41	893.13	0.00	14.48	10.14	12.96
266	571327.	4079712.	88.66	886.15	892.62	0.00	13.45	7.43	12.33
267	570473.	4080131.	75.51	889.31	892.96	0.00	13.32	6.33	12.37
268	570169.	4078522.	66.71	889.44	891.70	0.00	12.73	5.59	11.89
269	572965.	4080612.	136.71	877.94	893.32	0.00	15.34	11.46	13.62
270	572510.	4080992.	109.37	883.83	893.62	0.00	14.80	9.17	13.42
271	571893.	4081509.	87.89	889.21	894.02	0.00	14.94	7.37	13.83
272	572210.	4081931.	87.94	889.86	894.35	.01	15.28	7.36	14.18
273	572741.	4081804.	100.35	886.96	894.25	0.00	15.26	8.41	13.99
275	570630.	4084166.	143.66	878.39	896.11	0.00	14.56	12.04	12.75
276	568050.	4085908.	234.22	860.02	897.49	0.00	15.16	19.63	12.22
277	568088.	4085486.	221.69	861.58	897.16	0.00	14.23	18.58	11.45
278	568856.	4084868.	180.88	869.89	896.67	0.00	13.86	15.16	11.59
279	570715.	4085683.	171.03	876.85	897.30	0.00	17.99	14.34	15.84
280	571493.	4085237.	149.65	879.44	896.94	0.00	16.13	12.54	14.25
281	571940.	4085534.	143.78	882.30	897.17	0.00	17.44	12.05	15.63
282	573596.	4088474.	163.00	879.85	899.46	0.00	17.01	13.66	14.96
283	573713.	4086752.	139.84	883.74	898.12	0.00	17.04	11.72	15.29
284	575342.	4091477.	219.84	875.69	901.80	0.00	23.29	18.43	20.53
285	576227.	4092350.	262.99	864.16	902.48	0.00	20.78	22.04	17.48
286	576737.	4091921.	246.62	867.99	902.14	0.00	21.27	20.67	18.17
287	581885.	4095529.	280.60	864.34	904.93	0.00	22.47	23.52	18.94
288	581690.	4094130.	229.90	875.73	903.83	.01	23.57	19.26	20.68
290	584490.	4091588.	186.50	882.22	901.82	0.00	22.31	15.63	19.96
291	584068.	4092233.	193.99	880.30	902.33	0.00	21.56	16.26	19.12
292	583405.	4090920.	180.49	883.26	901.31	0.00	22.52	15.13	20.25
293	584199.	4090382.	183.62	882.55	900.88	0.00	22.93	15.39	20.62
294	585389.	4092944.	200.97	879.51	902.88	.01	21.80	16.84	19.28
295	572871.	4082540.	93.26	889.52	894.82	0.00	15.65	7.82	14.48
296	573293.	4082361.	98.47	888.27	894.68	0.00	15.71	8.25	14.47
297	573730.	4081917.	116.22	883.94	894.33	0.00	15.73	9.74	14.27
298	574122.	4081365.	143.19	878.63	893.90	0.00	16.91	12.00	15.11
299	573556.	4080749.	144.19	877.10	893.42	0.00	16.09	12.09	14.28

Est	X	Y	Z	G	Gn	T	A	C	A1
301	573525.	4081377.	124.34	881.57	893.91	0.00	15.60	10.42	14.04
302	574136.	4082197.	116.87	884.16	894.55	0.00	15.88	9.80	14.41
303	574398.	4081850.	133.04	881.15	894.27	0.00	16.77	11.15	15.09
304	574699.	4080348.	147.74	879.15	893.10	0.00	19.26	12.38	17.40
305	573800.	4082679.	101.24	887.99	894.93	0.00	15.81	8.49	14.54
306	573986.	4083097.	97.43	889.50	895.25	0.00	16.14	8.17	14.92
307	574696.	4082708.	117.37	884.72	894.94	0.00	16.16	9.84	14.68
308	575045.	4083147.	119.70	885.16	895.29	0.00	16.77	10.03	15.27
309	575496.	4082763.	140.57	881.03	894.98	0.00	17.64	11.78	15.87
310	576190.	4086701.	115.18	890.34	898.06	0.00	18.17	9.65	16.72

ANEXO V

ESTUDIO GRAVIMETRICO EN EL CAMPO DE NIJAR (ALMERIA). OCTUBRE 1984

SUPERFICIE DE GRADO 1

COEFICIENTE

ORDEN	VALOR
1	-0.12813245E+04
2	0.32312829E-03
3	0.26577122E-03

ESTUDIO GRAVIMETRICO EN EL CAMPO DE NIJAR (ALMERIA). OCTUBRE 1984

PAG. 1

	PUNTO		COORDENADA X	COORDENADA Y	VALOR REAL	VALOR AJUSTADO	RESIDUO
1	1	1	569370.0000	4081589.0000	-14.18000	-12.57631	-1.60369
2	2	1	569674.0000	4082020.0000	-13.73000	-12.36362	-1.36639
3	3	1	569877.0000	4082438.0000	-12.90000	-12.18637	-0.71363
4	4	1	370067.0000	4082703.0000	-12.31000	-12.00199	-0.30801
5	5	1	570201.0000	4083375.0000	-12.61000	-11.83309	-0.77691
6	6	1	569045.0000	4081215.0000	-14.48000	-12.78069	-1.69931
7	7	1	568755.0000	4081676.0000	-14.48000	-12.75192	-1.72808
8	8	1	567587.0000	4083360.0000	-16.31000	-12.68180	-3.62820
9	9	1	568012.0000	4082522.0000	-13.32000	-12.76731	-2.75269
10	10	1	568303.0000	4082074.0000	-13.78000	-12.57952	-3.20048
11	11	1	569097.0000	4080687.0000	-14.58000	-12.90369	-1.67632
12	12	1	569689.0000	4081044.0000	-14.03000	-12.61813	-1.41187
13	13	1	569408.0000	4080481.0000	-14.47000	-12.89858	-1.61142
14	14	1	570286.0000	4081404.0000	-13.29000	-12.32758	-0.96042
15	15	1	570642.0000	4081619.0000	-12.60000	-12.15745	-0.49255
16	16	1	570777.0000	4082568.0000	-11.81000	-11.84153	0.05153
17	17	1	571285.0000	4082418.0000	-11.07000	-11.73734	0.66734
18	18	1	570862.0000	4082756.0000	-11.43000	-11.73107	0.30107
19	19	1	571285.0000	4081892.0000	-11.63000	-11.88665	0.25665
20	20	1	571639.0000	4082061.0000	-11.52000	-11.71772	0.19772
21	21	1	568182.0000	4083353.0000	-13.69000	-12.49100	-3.19901
22	22	1	568090.0000	4084095.0000	-12.01000	-12.32387	-3.68614
23	23	1	568071.0000	4084667.0000	-13.40000	-12.17819	-3.22181
24	24	1	567546.0000	4083107.0000	-13.04000	-12.12449	-2.91552
25	25	1	567673.0000	4083881.0000	-14.03000	-12.03712	-3.30288
26	26	1	568455.0000	4084524.0000	-14.95000	-12.09193	-2.85807
27	27	1	568758.0000	4083827.0000	-13.04000	-12.17927	-2.86073
28	28	1	568867.0000	4083142.0000	-14.92000	-12.32617	-2.59383
29	29	1	569164.0000	4082405.0000	-14.22000	-12.42610	-4.79391
30	30	1	567289.0000	4083859.0000	-16.78000	-12.64562	-4.13438
31	31	1	567130.0000	4084608.0000	-17.12000	-12.49783	-4.62218
32	32	1	569237.0000	4083792.0000	-14.04000	-11.93686	-2.10314
33	33	1	570228.0000	4083872.0000	-13.09000	-11.69246	-1.39754
34	34	1	567546.0000	4084892.0000	-11.91000	-11.75628	0.24628
35	35	1	567584.0000	4085881.0000	-11.98000	-11.92241	-1.45759
36	36	1	570233.0000	4084859.0000	-12.58000	-11.42135	-1.15865
37	37	1	569532.0000	4084271.0000	-14.02000	-11.81127	-2.20873
38	38	1	570285.0000	4085364.0000	-11.50000	-11.27737	-0.22263
39	39	1	570322.0000	4085835.0000	-9.44000	-11.13492	-1.69492
40	40	1	570364.0000	4086372.0000	-8.22000	-10.98409	2.76408
41	41	1	569735.0000	4085704.0000	-9.82000	-11.31159	1.49159
42	42	1	570067.0000	4083476.0000	-11.10000	-11.31816	0.21816
43	43	1	569050.0000	4084418.0000	-9.37000	-11.39642	1.82642
44	44	1	568624.0000	4086695.0000	-9.41000	-11.46050	2.05050
45	45	1	568971.0000	4086040.0000	-10.34000	-11.60067	1.24067
46	46	1	569367.0000	4085182.0000	-12.46000	-11.62189	-0.83811
47	47	1	568800.0000	4085873.0000	-11.69000	-11.62208	-0.06792
48	48	1	570922.0000	4086272.0000	-7.85000	-10.83024	2.98024
49	49	1	571010.0000	4086040.0000	-3.60000	-10.65096	3.05096
50	50	1	569768.0000	4086793.0000	-6.04000	-11.00013	4.96012
51	51	1	569867.0000	4087476.0000	-3.43000	-10.85107	7.42107
52	52	1	571482.0000	4086535.0000	-7.29000	-10.57944	3.28944
53	53	1	571390.0000	4085753.0000	-9.06000	-10.76390	1.70390
54	54	1	570468.0000	4087043.0000	-4.45000	-10.77200	6.32206
55	55	1	570733.0000	4087739.0000	-3.45000	-10.58432	6.40432
56	56	1	570644.0000	4088644.0000	-4.71000	-10.57968	3.57968
57	57	1	571077.0000	4087711.0000	-4.31000	-10.34459	6.03459
58	58	1	571574.0000	4087404.0000	-6.46000	-10.31870	3.85870
59	59	1	571863.0000	4086754.0000	-7.19000	-10.39819	0.20819
60	60	1	572286.0000	4087585.0000	-9.42000	-10.04061	0.62061

ESTUDIO GRAVIMETRICO EN EL CAMPO DE NIJAR (ALMERIA). OCTUBRE 1984

PUNTO	COORDENADA X	COORDENADA Y	VALOR REAL	VALOR AJUSTADO	RESIDUO	
61	64	570160.00000	4088138.00000	-3.54000	-10.58065	7.04065
62	65	569377.00000	4087359.00000	-3.83000	-11.03796	7.20796
63	66	572342.00000	4088116.00000	-9.93000	-9.88142	-0.04858
64	67	571908.00000	4088237.00000	-9.06000	-9.98887	0.92887
65	68	571359.00000	4088030.00000	-8.37000	-10.00929	1.63929
66	69	571901.00000	4089022.00000	-10.27000	-9.78276	-0.48704
67	70	572376.00000	4089428.00000	-10.94000	-9.51515	-1.42485
68	71	571714.00000	4089575.00000	-9.78000	-9.65654	-0.08346
69	72	571139.00000	4089371.00000	-7.92000	-9.93655	2.01655
70	73	572851.00000	4089279.00000	-11.01000	-9.40778	-1.60222
71	74	573441.00000	4089130.00000	-10.85000	-9.23670	-1.59330
72	75	572721.00000	4089887.00000	-11.21000	-9.22348	-1.98652
73	76	573629.00000	4089865.00000	-10.64000	-9.00097	-1.63943
74	77	574046.00000	4088787.00000	-10.01000	-9.13178	-0.87822
75	78	574622.00000	4088525.00000	-10.41000	-9.03590	-1.37410
76	79	572990.00000	4088793.00000	-8.90000	-9.62491	0.72491
77	80	574886.00000	4089933.00000	-9.80000	-8.57649	-1.22351
78	81	574072.00000	4090294.00000	-10.05000	-8.75412	-1.29588
79	82	574560.00000	4089760.00000	-9.90000	-8.75281	-1.13719
80	83	573346.00000	4089436.00000	-9.96000	-8.55990	-1.40010
81	84	574211.00000	4089306.00000	-10.22000	-8.96115	-1.25885
82	85	574961.00000	4088691.00000	-10.21000	-8.88217	-1.32784
83	86	573523.00000	4089744.00000	-9.75000	-8.36776	-1.38224
84	87	576270.00000	4090040.00000	-9.54000	-8.10079	-1.43921
85	88	577005.00000	4090134.00000	-8.95000	-7.83826	-1.11174
86	89	575981.00000	4090541.00000	-9.28000	-8.06090	-1.21910
87	90	574917.00000	4090487.00000	-8.38000	-8.41924	0.03924
88	91	575993.00000	4089297.00000	-9.38000	-8.38761	-0.99239
89	92	576587.00000	4088782.00000	-8.81000	-8.27944	-0.53057
90	93	577024.00000	4088684.00000	-9.10000	-8.21752	-0.88248
91	94	576688.00000	4087647.00000	-8.87000	-8.60177	-0.26823
92	95	573585.00000	4088131.00000	-9.86000	-8.82934	-1.03066
93	96	576035.00000	4087915.00000	-9.55000	-8.74148	-0.80852
94	97	575622.00000	4087433.00000	-9.57000	-9.00313	-0.56687
95	98	574176.00000	4087634.00000	-10.35000	-9.41675	-0.93325
96	99	574713.00000	4087140.00000	-9.94000	-9.37470	-0.56530
97	100	572143.00000	4089978.00000	-8.65000	-10.91385	1.86385
98	101	572785.00000	4087879.00000	-10.40000	-9.81000	-0.59890
99	102	573404.00000	4087538.00000	-10.48000	-9.69177	-0.78823
100	103	573880.00000	4087406.00000	-10.24000	-9.57305	-0.66699
101	104	572744.00000	4087247.00000	-9.93000	-9.97718	0.04718
102	105	571114.00000	4091158.00000	-7.90000	-7.89399	-0.04605
103	106	577230.00000	4089477.00000	-8.83000	-7.94011	-0.88989
104	107	576739.00000	4091227.00000	-8.08000	-7.56901	-0.51099
105	108	577626.00000	4090324.00000	-8.87000	-7.88708	-1.28292
106	109	577729.00000	4087893.00000	-9.00000	-7.66842	-1.33158
107	110	578247.00000	4090616.00000	-8.24000	-7.30830	-0.93170
108	111	578247.00000	4090766.00000	-7.87000	-7.02094	-0.84906
109	112	579447.00000	4091317.00000	-7.39000	-6.73479	-0.65321
110	113	577432.00000	4090910.00000	-8.32000	-7.49408	-0.82592
111	115	577993.00000	4091401.00000	-7.28000	-7.19513	-0.08487
112	116	577956.00000	4091791.00000	-6.59000	-7.05329	0.46329
113	117	577305.00000	4092403.00000	-9.97000	-7.13830	1.16830
114	118	577467.00000	4093013.00000	-6.32000	-6.92320	0.60320
115	119	578365.00000	4090418.00000	-8.46000	-7.32333	-1.13668
116	120	579159.00000	4090990.00000	-7.95000	-7.00000	-0.90898
117	121	578784.00000	4089676.00000	-8.25000	-7.38503	-0.86477
118	122	578784.00000	4088506.00000	-8.36000	-7.91068	-0.44932
119	123	578255.00000	4089871.00000	-8.34000	-7.50439	-0.83565
120	123	574503.00000	4089517.00000	-8.61000	-9.82076	1.21076

ESTUDIO GRAVIMETRICO EN EL CAMPO DE NIJAR (ALMERIA). OCTUBRE 1984

PUNTO	COORDENADA X	COORDENADA Y	VALOR REAL	VALOR AJUSTADO	RESIDUO	
121	126	374158.00000	4085539.00000	-9.20000	-9.77940	0.77940
122	127	373606.00000	4085019.00000	-10.09000	-10.29607	0.20607
123	128	373096.00000	4084522.00000	-11.26000	-10.59295	-0.66705
124	129	374281.00000	4084830.00000	-9.75000	-10.12803	0.37803
125	130	374764.00000	4084444.00000	-9.49000	-10.07462	0.58462
126	131	374924.00000	4085332.00000	-8.76000	-9.78685	1.02685
127	132	375501.00000	4085092.00000	-8.48000	-9.66436	1.18436
128	133	374910.00000	4085730.00000	-8.42000	-9.43256	1.21256
129	134	375255.00000	4086268.00000	-8.56000	-9.43775	0.87775
130	133	374648.00000	4086328.00000	-8.83000	-9.61150	0.78150
131	136	373088.00000	4086443.00000	-9.32000	-10.08484	0.76484
132	137	373520.00000	4087175.00000	-10.34000	-9.75090	-0.58910
133	138	373572.00000	4085985.00000	-9.68000	-10.05005	0.37005
134	139	373501.00000	4085032.00000	-11.04000	-10.64423	-0.37577
135	141	373000.00000	4083909.00000	-10.90000	-10.78687	-0.11313
136	142	373369.00000	4083107.00000	-10.54000	-10.88064	0.34064
137	143	373661.00000	4084423.00000	-10.51000	-10.43610	-0.07336
138	144	374124.00000	4083827.00000	-9.71000	-10.44488	0.73488
139	145	371577.00000	4082727.00000	-10.90000	-11.30758	0.60758
140	146	371841.00000	4083363.00000	-11.37000	-11.30650	-0.06351
141	147	371733.00000	4082477.00000	-10.73000	-11.37688	0.84688
142	148	371449.00000	4083350.00000	-11.55000	-11.43666	-0.11334
143	149	371243.00000	4083777.00000	-12.11000	-11.33590	-0.77411
144	150	370892.00000	4084591.00000	-12.28000	-11.28677	-0.99323
145	150	370892.00000	4084591.00000	-12.28000	-11.28677	-0.99323
146	151	371540.00000	4084471.00000	-11.95000	-11.10919	-0.84081
147	152	372183.00000	4083104.00000	-11.00000	-11.25676	0.25676
148	153	372376.00000	4084038.00000	-11.50000	-10.88955	-0.61045
149	154	372194.00000	4084446.00000	-11.68000	-10.90463	-0.77335
150	155	377022.00000	4088049.00000	-7.95000	-8.38702	0.43702
151	156	376221.00000	4087193.00000	-9.21000	-8.87331	-0.33669
152	157	375721.00000	4086632.00000	-8.79000	-8.79000	0.39378
153	158	375947.00000	4088050.00000	-7.42000	-8.08768	0.66768
154	159	37646.00000	4087093.00000	-6.49000	-7.91334	1.42334
155	160	379184.00000	4087923.00000	-5.53000	-7.21778	1.72778
156	161	379192.00000	4088447.00000	-6.23000	-7.57983	1.34983
157	162	379569.00000	4087674.00000	-4.71000	-7.66359	2.95359
158	163	379179.00000	4087256.00000	-4.84000	-7.90073	0.60073
159	164	378447.00000	4086446.00000	-5.43000	-8.23919	0.09919
160	165	378152.00000	4086200.00000	-5.86000	-8.91320	0.65320
161	166	377814.00000	4087005.00000	-6.73000	-8.40838	1.67838
162	167	377327.00000	4087432.00000	-7.82000	-8.45164	0.43164
163	168	377155.00000	4086372.00000	-7.53000	-8.65686	1.12686
164	169	376672.00000	4088246.00000	-9.00000	-8.44238	-0.55762
165	170	378811.00000	4087238.00000	-8.00000	-7.49289	-0.50711
166	171	379377.00000	4087471.00000	-7.46000	-7.21279	-0.21279
167	172	379864.00000	4089301.00000	-5.69000	-7.13982	1.44982
168	173	379636.00000	4087358.00000	-5.61000	-8.04894	2.43894
169	174	377167.00000	4086337.00000	-6.95000	-8.79388	1.84388
170	175	377588.00000	4085806.00000	-6.55000	-8.60004	2.25004
171	176	377147.00000	4085467.00000	-7.02000	-9.03271	2.01271
172	177	376476.00000	4085988.00000	-7.89000	-9.11104	1.22104
173	178	376592.00000	4086737.00000	-8.26000	-8.82147	0.36147
174	179	376245.00000	4084959.00000	-7.59000	-7.49233	-0.86233
175	180	379799.00000	4087611.00000	-4.23000	-7.31127	3.11127
176	181	379767.00000	4088103.00000	-4.50000	-7.42101	2.92101
177	182	380252.00000	4088932.00000	-4.70000	-7.10864	4.08864
178	183	381112.00000	4088060.00000	-3.89000	-7.06232	1.77232
179	184	381233.00000	4088523.00000	-4.10000	-6.89731	3.78731
180	185	382451.00000	4070828.00000	-5.50000	-5.89403	0.39403

ESTUDIO GRAVIMETRICO EN EL CAMPO DE NIJAR (ALMERIA). OCTUBRE 1984

PUNTO	COORDENADA X	COORDENADA Y	VALOR REAL	VALOR AJUSTADO	RESIDUO		
181	186	1	581991.00000	4089229.00000	-4.63000	-6.46770	1.83770
182	187	1	580746.00000	4088934.00000	-4.57000	-6.88375	2.31374
183	188	1	581396.00000	4090334.00000	-3.04000	-6.36616	1.32616
184	189	1	580849.00000	4089841.00000	-4.83000	-6.65863	1.81863
185	190	1	582112.00000	4087637.00000	-4.77000	-6.32020	1.55020
186	191	1	582154.00000	4090058.00000	-4.68000	-6.19464	1.51464
187	192	1	580374.00000	4090264.00000	-5.96000	-6.71308	0.75308
188	193	1	581263.00000	4087688.00000	-4.34000	-6.58033	2.24033
189	194	1	580097.00000	4090727.00000	-7.12000	-6.68163	-0.43837
190	195	1	580112.00000	4091712.00000	-7.27000	-6.41476	-0.85504
191	196	1	579647.00000	4092403.00000	-7.14000	-6.38093	-0.75907
192	197	1	579754.00000	4093353.00000	-4.96000	-6.09456	1.13456
193	198	1	578711.00000	4092182.00000	-6.44000	-6.74269	0.30269
194	199	1	578088.00000	4092666.00000	-5.47000	-6.83142	1.36142
195	200	1	578720.00000	4091600.00000	-7.04000	-6.89444	-0.14556
196	201	1	580774.00000	4092259.00000	-7.26000	-6.05572	-1.20428
197	202	1	581470.00000	4092805.00000	-6.47000	-5.68551	-0.78449
198	203	1	581445.00000	4093623.00000	-5.43000	-5.47988	0.02388
199	204	1	581386.00000	4091980.00000	-7.58000	-5.99522	-1.62078
200	205	1	580786.00000	4091046.00000	-6.48000	-6.37419	-0.02581
201	206	1	581561.00000	4090963.00000	-6.31000	-6.14577	-0.16424
202	207	1	581794.00000	4092463.00000	-7.68000	-5.67191	-2.00809
203	208	1	580333.00000	4092718.00000	-6.49000	-6.10854	-0.38146
204	209	1	580579.00000	4095770.00000	-5.04000	-5.81405	0.77405
205	210	1	580690.00000	4092761.00000	-6.41000	-5.89225	-0.51375
206	211	1	580107.00000	4094144.00000	-5.43000	-5.77007	0.34007
207	212	1	578546.00000	4093089.00000	-5.27000	-6.55486	1.28486
208	213	1	581127.00000	4094137.00000	-3.36000	-5.44181	0.08181
209	214	1	580816.00000	4094903.00000	-6.37000	-5.33935	-1.03065
210	215	1	583953.00000	4094289.00000	-5.20000	-4.48885	-0.71114
211	216	1	581958.00000	4093342.00000	-6.12000	-5.38532	-0.73468
212	217	1	584617.00000	4093746.00000	-6.50000	-4.36542	-2.13458
213	218	1	582545.00000	4094051.00000	-4.86000	-5.00719	0.14719
214	219	1	583384.00000	4093579.00000	-6.51000	-4.21316	-2.29484
215	220	1	583071.00000	4094518.00000	-4.74000	-4.71316	-0.04684
216	221	1	582215.00000	4094742.00000	-5.00000	-4.92999	-0.07001
217	222	1	584219.00000	4093311.00000	-7.28000	-4.66285	-2.61715
218	223	1	581527.00000	4093183.00000	-3.97000	-5.03220	-0.93480
219	224	1	583304.00000	4093711.00000	-7.01000	-4.76450	-2.26350
220	225	1	583563.00000	4092823.00000	-7.16000	-5.00446	-2.15534
221	226	1	583608.00000	4095174.00000	-4.52000	-4.63523	-0.15477
222	227	1	584827.00000	4094522.00000	-4.22000	-4.14398	-0.07602
223	228	1	582706.00000	4095626.00000	-3.48000	-4.53660	-0.94340
224	229	1	582501.00000	4096367.00000	-4.09000	-4.09583	-0.14717
225	230	1	584218.00000	4095800.00000	-5.05000	-4.00159	-1.04841
226	231	1	584186.00000	4094776.00000	-3.84000	-4.23108	0.39108
227	232	1	586133.00000	4093397.00000	-5.99000	-4.02105	-1.96895
228	233	1	586838.00000	4093060.00000	-5.74000	-3.88336	-1.89664
229	234	1	583304.00000	4094800.00000	-3.74000	-4.91653	0.17653
230	235	1	585781.00000	4094040.00000	-5.23000	-3.96446	-2.26354
231	236	1	585958.00000	4092004.00000	-5.64000	-4.23358	-1.40442
232	237	1	585919.00000	4092189.00000	-5.56000	-4.41173	-1.14827
233	238	1	583336.00000	4092101.00000	-3.74000	-4.62359	-1.11641
234	239	1	585750.00000	4091515.00000	-4.04000	-4.64554	0.00554
235	240	1	584510.00000	4091273.00000	-3.67000	-5.11050	-0.53950
236	241	1	583736.00000	4091695.00000	-6.03000	-5.18389	-0.84611
237	242	1	586497.00000	4093098.00000	-5.66000	-3.77076	-1.88925
238	243	1	578219.00000	4088544.00000	-7.85000	-7.86850	0.01650
239	244	1	583351.00000	4093741.00000	-3.41000	-4.09754	-1.11646
240	245	1	583723.00000	4090571.00000	-3.14000	-3.55146	0.41146

ESTUDIO GRAVIMETRICO EN EL CAMPO DE NIJAR (ALMERIA). OCTUBRE 1984

PUNTO	COORDENADA X	COORDENADA Y	VALOR REAL	VALOR AJUSTADO	RESIDUO	
241	246	384244.00000	4087863.00000	-4.38000	-5.37117	0.99117
242	247	383523.00000	4087413.00000	-4.73000	-5.86255	1.13255
243	248	383180.00000	4090746.00000	-4.23000	-5.03400	0.78400
244	249	384816.00000	4092306.00000	-4.35000	-4.73708	-1.61292
245	251	382975.00000	4091594.00000	-5.84000	-5.54691	-0.25309
246	252	382831.00000	4092625.00000	-6.88000	-5.29365	-1.58635
247	253	381867.00000	4071420.00000	-6.31000	-5.92543	-0.38457
248	254	380456.00000	4087476.00000	-4.92000	-6.89283	1.97283
249	255	379862.00000	4090072.00000	-6.78000	-6.93164	-0.04836
250	256	375548.00000	4090538.00000	-6.05000	-8.11634	2.06634
251	257	376227.00000	4091781.00000	-8.06000	-7.65200	-0.40800
252	258	369856.00000	4080012.00000	-14.01000	-12.83845	-1.17155
253	259	370050.00000	4079318.00000	-13.83000	-12.96015	-0.86985
254	260	369983.00000	4080617.00000	-13.63000	-12.63665	-0.99335
255	261	370507.00000	4080937.00000	-13.36000	-12.38217	-0.97783
256	262	371039.00000	4080380.00000	-12.86000	-12.35832	-0.50168
257	263	371915.00000	4077978.00000	-12.83000	-12.18221	-0.64780
258	264	371757.00000	4080612.00000	-12.50000	-12.06473	-0.43527
259	265	372404.00000	4080363.00000	-12.66000	-11.92139	-0.73861
260	266	371327.00000	4079712.00000	-13.28000	-12.44284	-0.83716
261	267	370473.00000	4080131.00000	-13.24000	-12.60736	-0.63264
262	268	370167.00000	4078922.00000	-13.72000	-13.13338	-0.58662
263	269	372965.00000	4080612.00000	-11.97000	-11.67435	-0.31565
264	270	372310.00000	4080992.00000	-12.20000	-11.72033	-0.47967
265	271	373596.00000	4081509.00000	-11.78000	-11.78239	0.00239
266	272	372210.00000	4081931.00000	-11.45000	-11.56779	0.11769
267	273	372741.00000	4081804.00000	-11.61000	-11.43006	-0.17994
268	275	370630.00000	4084166.00000	-12.86000	-11.48444	-1.37536
269	276	368050.00000	4083708.00000	-13.40000	-11.83476	-1.54504
270	277	368088.00000	4085486.00000	-14.17000	-11.95491	-2.21509
271	278	368856.00000	4084868.00000	-14.02000	-11.87111	-2.14887
272	279	370715.00000	4085683.00000	-9.78000	-11.05368	-1.27368
273	280	371493.00000	4083237.00000	-11.37000	-10.92075	-0.44925
274	281	371940.00000	4085534.00000	-9.89000	-10.67753	0.71752
275	282	373596.00000	4088474.00000	-10.65000	-9.38100	-1.26900
276	283	373713.00000	4086752.00000	-10.32000	-9.00082	-0.31918
277	284	375342.00000	4091477.00000	-5.09000	-8.01868	-2.92868
278	285	376227.00000	4092350.00000	-8.14000	-7.90077	-0.63923
279	286	376737.00000	4091921.00000	-7.44000	-7.44997	0.00976
280	287	381885.00000	4095929.00000	-6.68000	-4.82732	-1.85248
281	288	381690.00000	4094130.00000	-4.95000	-5.26232	0.31232
282	290	384470.00000	4091588.00000	-5.65000	-5.03312	-0.61688
283	291	384068.00000	4092233.00000	-6.49000	-4.99818	-1.49182
284	292	383403.00000	4090920.00000	-5.37000	-5.64128	0.19128
285	293	384199.00000	4090362.00000	-4.95000	-5.44788	0.43788
286	294	385389.00000	4092944.00000	-6.35000	-4.38246	-1.96754
287	295	372871.00000	4082540.00000	-11.13000	-11.19246	0.06246
288	296	373293.00000	4082361.00000	-11.13000	-11.03266	-0.26266
289	297	373730.00000	4081917.00000	-11.35000	-11.08043	-0.26957
290	298	374122.00000	4081365.00000	-10.50000	-11.10043	0.60043
291	299	373556.00000	4080749.00000	-11.34000	-11.44702	0.10702
292	301	373525.00000	4081377.00000	-11.37000	-11.29013	-0.27987
293	302	374136.00000	4082177.00000	-11.21000	-10.87449	-0.33932
294	303	374398.00000	4081850.00000	-10.81000	-10.87244	0.37244
295	304	374699.00000	4080348.00000	-8.22000	-11.18421	-2.96421
296	305	373800.00000	4082677.00000	-11.07000	-10.85523	-0.21478
297	306	373986.00000	4083097.00000	-10.70000	-10.68408	-0.01408
298	307	374696.00000	4082708.00000	-10.34000	-10.38205	-0.04205
299	308	375043.00000	4083147.00000	-10.34000	-10.32850	-0.01150
300	309	375496.00000	4082763.00000	-9.74000	-10.28481	0.54481

ERROR TIPICO DE ESTIMACION = 1.8058
COEF. CORRELACION = 0.81993
TEST F DEL AJUSTE = 304.6416 CON 2 Y 297 GRADOS DE LIBERTAD

ESTUDIO GRAVIMETRICO EN EL CAMPO DE NIJAR (ALMERIA). OCTUBRE 1984

SUPERFICIE DE GRADO 3

COEFICIENTE

ORDEN	VALOR
1	0.13594842E+06
2	-0.19380995E+00
3	0.46616499E-01
4	0.29119859E-05
5	-0.60643224E-06
6	-0.62747359E-08
7	-0.14409882E-11
8	-0.93937760E-13
9	0.71533397E-13
10	0.96676442E-13

ESTUDIO GRAVIMETRICO EN EL CAMPO DE NIJAR (ALMERIA). OCTUBRE 1984

PUNTO	COORDENADA X	COORDENADA Y	VALOR REAL	VALOR AJUSTADO	PAG. 1	RESIDUO
1	369370.00000	4081589.00000	-14.18000	-14.44763	0	26763
2	369674.00000	4082020.00000	-13.73000	-14.19891	0	46891
3	369879.00000	4082438.00000	-12.90000	-13.88666	0	98666
4	370067.00000	4082703.00000	-12.31000	-13.34797	1	23797
5	370201.00000	4083375.00000	-12.61000	-13.33435	0	72435
6	369045.00000	4081215.00000	-14.48000	-14.96967	0	48966
7	368755.00000	4081676.00000	-14.48000	-14.88458	0	40458
8	367587.00000	4083360.00000	-16.31000	-14.31000	-2	23462
9	368012.00000	4082522.00000	-15.52000	-14.59192	-0	92808
10	368303.00000	4082874.00000	-15.78000	-14.27820	-1	50180
11	369099.00000	4080687.00000	-14.58000	-15.20752	0	62752
12	369689.00000	4081044.00000	-14.03000	-14.77692	0	74692
13	369408.00000	4080481.00000	-14.47000	-15.17151	0	70151
14	370286.00000	4081404.00000	-13.29000	-14.10468	0	81468
15	370642.00000	4081619.00000	-12.65000	-13.79248	1	08248
16	370777.00000	4082568.00000	-11.81000	-13.38391	1	37391
17	371285.00000	4082418.00000	-11.07000	-12.99402	1	92402
18	370862.00000	4082956.00000	-11.43000	-13.03235	1	60235
19	371259.00000	4081892.00000	-11.63000	-13.18152	1	55152
20	371637.00000	4082061.00000	-11.52000	-12.88934	1	36934
21	368182.00000	4083355.00000	-15.69000	-13.91095	-1	77905
22	368090.00000	4084075.00000	-16.01000	-13.36890	-2	64111
23	368071.00000	4084667.00000	-15.40000	-12.72498	-2	67503
24	367875.00000	4085107.00000	-15.04000	-12.33734	-2	70266
25	367673.00000	4085681.00000	-14.06000	-11.73907	-2	32093
26	368455.00000	4084924.00000	-14.95000	-12.95697	-1	99303
27	368758.00000	4083827.00000	-15.04000	-13.45789	-1	58212
28	368867.00000	4083142.00000	-14.92000	-13.94519	-0	97481
29	369164.00000	4082405.00000	-14.22000	-14.26306	-0	04306
30	367289.00000	4083559.00000	-16.78000	-13.62878	-3	15122
31	367130.00000	4084608.00000	-17.12000	-13.00177	-4	11823
32	369537.00000	4083792.00000	-14.04000	-13.29144	-0	74856
33	370228.00000	4083872.00000	-13.09000	-12.89653	-0	19938
34	367546.00000	4086892.00000	-11.31000	-10.56116	-0	94884
35	367584.00000	4086221.00000	-13.58000	-11.20148	-2	37852
36	370255.00000	4084859.00000	-12.58000	-12.22740	-0	35260
37	369532.00000	4084271.00000	-14.02000	-13.05737	-0	96263
38	370285.00000	4085364.00000	-11.50000	-11.96014	0	46014
39	370322.00000	4085955.00000	-9.44000	-11.70532	2	26532
40	370364.00000	4086372.00000	-8.22000	-11.24811	3	02811
41	369735.00000	4085904.00000	-9.82000	-11.77032	1	95032
42	370067.00000	4085476.00000	-11.10000	-12.11658	1	01658
43	369050.00000	4086418.00000	-9.57000	-11.44220	1	87220
44	368624.00000	4086495.00000	-9.41000	-10.82415	2	33339
45	368071.00000	4086940.00000	-10.36000	-10.74763	2	53763
46	369369.00000	4085182.00000	-12.46000	-12.34784	0	20451
47	368800.00000	4085873.00000	-11.69000	-11.70880	0	01880
48	370922.00000	4086272.00000	-7.85000	-11.16919	3	31919
49	371010.00000	4086940.00000	-5.60000	-10.65826	3	05826
50	369968.00000	4086793.00000	-6.04000	-10.96625	4	96625
51	369867.00000	4087474.00000	-3.43000	-10.32904	6	89904
52	371482.00000	4086535.00000	-7.29000	-10.90051	3	61051
53	371390.00000	4085953.00000	-9.06000	-11.41339	2	33339
54	370468.00000	4087043.00000	-4.45000	-10.82415	2	37415
55	370563.00000	4087737.00000	-3.95000	-10.11342	6	11342
56	370644.00000	4088644.00000	-4.71000	-9.35626	4	64626
57	371077.00000	4087711.00000	-4.31000	-9.92010	3	61010
58	371574.00000	4087404.00000	-6.46000	-10.34912	3	88912
59	371863.00000	4086754.00000	-7.99000	-10.66785	3	47785
60	372286.00000	4087583.00000	-9.42000	-10.18781	0	76781

ESTUDIO GRAVIMETRICO EN EL CAMPO DE NIJAR (ALMERIA). OCTUBRE 1984

PAG. 2

PUNTO		COORDENADA X	COORDENADA Y	VALOR REAL	VALOR AJUSTADO	RESIDUO
61	64	570160.00000	4088138.00000	-3.54000	-9.68317	6.14317
62	65	569377.00000	4087369.00000	-3.83000	-10.40442	6.57442
63	66	572342.00000	4088115.00000	-9.93000	-9.78076	-0.14924
64	67	571908.00000	4088239.00000	-9.06000	-9.78735	0.72735
65	68	571359.00000	4088835.00000	-8.37000	-9.38470	1.01470
66	69	571901.00000	4089022.00000	-10.27000	-8.95228	-1.27372
67	70	572396.00000	4089428.00000	-10.94000	-8.91549	-2.02453
68	71	571714.00000	4089575.00000	-9.78000	-8.61340	-1.16660
69	72	571139.00000	4089371.00000	-7.92000	-8.74261	0.82261
70	73	572891.00000	4089279.00000	-11.01000	-8.75153	-2.25847
71	74	573441.00000	4089130.00000	-10.85000	-8.94541	-1.90359
72	75	572921.00000	4089887.00000	-11.21000	-8.46271	-2.74729
73	76	573629.00000	4087845.00000	-10.64000	-8.35809	-2.28191
74	77	574046.00000	4088789.00000	-10.01000	-8.95081	-1.05919
75	78	574622.00000	4088525.00000	-10.41000	-9.12573	-1.28427
76	79	572990.00000	4088293.00000	-8.90000	-9.40405	0.50405
77	80	574886.00000	4087933.00000	-9.80000	-8.21539	-1.58461
78	81	574072.00000	4090234.00000	-10.03000	-8.21506	-1.83095
79	82	574580.00000	4089604.00000	-9.90000	-8.58173	-1.31828
80	83	575346.00000	4089436.00000	-9.96000	-8.57434	-1.38566
81	84	574211.00000	4089306.00000	-10.22000	-8.62952	-1.59048
82	85	574961.00000	4088691.00000	-10.21000	-8.99539	-1.21061
83	86	575523.00000	4089944.00000	-9.75000	-8.35364	-1.39636
84	87	576270.00000	4090040.00000	-9.54000	-7.96167	-1.57833
85	88	577005.00000	4090134.00000	-8.95000	-7.89406	-1.05594
86	89	575981.00000	4090341.00000	-9.28000	-7.74524	-1.53476
87	90	574917.00000	4090487.00000	-8.38000	-7.97516	-0.40484
88	91	575993.00000	4089297.00000	-9.38000	-8.25354	-1.12646
89	92	576587.00000	4088782.00000	-8.81000	-8.23291	-0.57709
90	93	577024.00000	4088684.00000	-9.10000	-7.96375	-1.13626
91	94	576688.00000	4087647.00000	-8.87000	-8.33954	-0.53046
92	95	575585.00000	4088131.00000	-9.86000	-8.70996	-1.15004
93	96	576035.00000	4087715.00000	-9.55000	-8.69501	-0.85499
94	97	575622.00000	4087433.00000	-9.57000	-8.77203	-0.79797
95	98	574176.00000	4087634.00000	-10.35000	-9.48511	-0.86489
96	99	574715.00000	4087140.00000	-9.94000	-9.46551	-0.47149
97	100	572143.00000	4085978.00000	-8.65000	-11.04657	2.39657
98	101	572785.00000	4087897.00000	-10.40000	-9.90851	-0.49149
99	102	573404.00000	4087538.00000	-10.48000	-9.82471	-0.65529
100	103	573880.00000	4087406.00000	-10.24000	-9.84999	-0.39409
101	104	572744.00000	4087267.00000	-9.93000	-10.19031	0.26031
102	105	576114.00000	4091158.00000	-7.90000	-7.67322	-0.22678
103	106	577230.00000	4089477.00000	-8.83000	-7.99194	-0.83806
104	107	576939.00000	4091227.00000	-8.08000	-7.47986	-0.60014
105	108	577526.00000	4090324.00000	-8.87000	-7.61932	-1.25068
106	109	577729.00000	4089893.00000	-9.00000	-7.93551	-1.06449
107	110	578249.00000	4090616.00000	-8.24000	-7.37115	-0.86885
108	111	578850.00000	4090966.00000	-7.87000	-7.02448	-0.84553
109	112	579447.00000	4091317.00000	-7.99000	-6.95441	-0.43559
110	113	577432.00000	4090910.00000	-8.32000	-7.46136	-0.85864
111	115	577953.00000	4091401.00000	-7.28000	-7.28259	0.00259
112	116	577956.00000	4091731.00000	-6.99000	-7.14172	0.35172
113	117	577305.00000	4092403.00000	-5.97000	-6.93646	0.96646
114	118	577469.00000	4093013.00000	-6.32000	-6.69287	0.37287
115	119	578365.00000	4090418.00000	-8.87000	-7.40167	-1.46833
116	120	579159.00000	4090590.00000	-9.39000	-7.93080	-1.46082
117	121	578784.00000	4089676.00000	-8.25000	-7.44855	-0.80149
118	123	577873.00000	4088806.00000	-8.36000	-7.50153	-0.85847
119	124	578255.00000	4089871.00000	-8.34000	-7.31702	-1.02298
120	125	574503.00000	4089717.00000	-8.61000	-9.91803	1.30803

ESTUDIO GRAVIMETRICO EN EL CAMPO DE NIJAR (ALMERIA). OCTUBRE 1984

PUNTO		COORDENADA X	COORDENADA Y	VALOR REAL	VALOR AJUSTADO	RESIDUO
121	126	574158.00000	4085539.00000	-9.20000	-10.37927	1.17927
121	127	573806.00000	4085017.00000	-10.09000	-10.61206	0.52206
123	128	573096.00000	4084522.00000	-11.26000	-11.17871	-0.08129
124	129	574281.00000	4084830.00000	-9.75000	-10.35085	0.55585
125	130	574764.00000	4084444.00000	-9.49000	-9.98407	0.49407
126	131	574924.00000	4083332.00000	-8.76000	-9.69666	0.93666
127	132	573501.00000	4085072.00000	-8.48000	-9.26648	0.78648
128	133	574910.00000	4083932.00000	-8.42000	-9.62078	1.20078
129	134	573235.00000	4086269.00000	-8.56000	-9.58160	1.02160
130	135	574648.00000	4086328.00000	-8.83000	-9.66028	0.83028
131	136	573088.00000	4086443.00000	-9.32000	-10.49701	1.17701
132	137	573520.00000	4087175.00000	-10.34000	-10.13214	-0.20786
133	138	573572.00000	4085986.00000	-9.68000	-10.44049	0.76049
134	139	572501.00000	4085032.00000	-11.04000	-11.31183	0.27183
135	141	573000.00000	4083707.00000	-10.90000	-11.39770	0.49770
136	142	573369.00000	4083107.00000	-10.54000	-11.21570	0.67570
137	143	573661.00000	4084423.00000	-10.51000	-10.73450	0.22450
138	144	574124.00000	4083829.00000	-9.71000	-10.45490	0.74489
139	145	571577.00000	4082727.00000	-10.90000	-12.70013	1.80013
140	146	571841.00000	4083365.00000	-11.37000	-12.14903	0.77903
141	147	571733.00000	4082477.00000	-10.73000	-12.57969	1.84969
142	148	571449.00000	4083390.00000	-11.25000	-12.43396	0.88396
143	149	571243.00000	4083779.00000	-12.11000	-12.54291	0.43291
144	150	570892.00000	4084591.00000	-12.28000	-12.30878	0.02878
145	150	570892.00000	4084591.00000	-12.28000	-12.30878	0.02878
146	151	571540.00000	4084471.00000	-11.95000	-12.19330	0.24330
147	152	572153.00000	4083134.00000	-11.00000	-12.33203	1.33203
148	153	572574.00000	4084038.00000	-11.50000	-11.62628	0.12628
149	154	572194.00000	4084446.00000	-11.68000	-11.76227	0.08227
150	155	577022.00000	4088049.00000	-7.95000	-8.09082	0.14082
151	156	576221.00000	4087193.00000	-9.21000	-8.74007	-0.44993
152	157	575721.00000	4086632.00000	-8.79000	-8.04608	0.23608
153	158	575947.00000	4088030.00000	-7.42000	-7.72986	0.30986
154	159	578616.00000	4087893.00000	-6.49000	-7.04248	0.55248
155	160	579184.00000	4087923.00000	-5.55000	-6.80725	1.25725
156	161	579172.00000	4088447.00000	-6.23000	-6.79410	0.72410
157	162	579597.00000	4087674.00000	-6.71000	-6.40607	1.40607
158	163	579179.00000	4087126.00000	-4.84000	-6.60883	1.82083
159	164	578637.00000	4086566.00000	-9.25000	-6.88342	1.63342
160	165	578152.00000	4086200.00000	-5.86000	-6.09344	1.23344
161	166	577814.00000	4087005.00000	-6.73000	-7.61823	0.88822
162	167	577329.00000	4087432.00000	-8.82000	-8.03925	0.21924
163	168	576592.00000	4086872.00000	-7.53000	-8.12372	0.59372
164	169	576672.00000	4088266.00000	-9.30000	-8.30664	-0.99336
165	170	578811.00000	4089238.00000	-8.00000	-7.09937	-0.90063
166	171	579377.00000	4089471.00000	-7.46000	-7.01599	-0.44401
167	172	579864.00000	4089301.00000	-9.69000	-9.68451	0.99451
168	173	578636.00000	4087358.00000	-9.10000	-9.10925	1.49925
169	174	577169.00000	4086339.00000	-6.95000	-8.08069	1.13069
170	175	577588.00000	4085806.00000	-6.55000	-7.60907	1.05907
171	176	577147.00000	4085467.00000	-7.02000	-7.78662	0.78662
172	177	576476.00000	4085988.00000	-8.59000	-8.54673	0.44673
173	178	576592.00000	4086872.00000	-8.26000	-8.50616	0.24616
174	179	576245.00000	4084759.00000	-7.59000	-8.57843	0.98843
175	180	579999.00000	4087611.00000	-4.23000	-6.11536	1.88536
176	181	579967.00000	4088103.00000	-4.50000	-6.23464	1.73464
177	182	580252.00000	4088732.00000	-4.70000	-6.70638	1.62638
178	183	581112.00000	4089060.00000	-3.89000	-6.35768	1.66768
179	184	581238.00000	4088528.00000	-4.11000	-5.37091	1.26091
180	185	582451.00000	4090828.00000	-5.50000	-5.97266	0.47266

ESTUDIO GRAVIMETRICO EN EL CAMPO DE NIJAR (ALMERIA). OCTUBRE 1984

PUNTO	COORDENADA X	COORDENADA Y	VALOR REAL	VALOR AJUSTADO	RESIDUO	
181	186	581971.00000	4087227.00000	-4.63000	-5.28583	0.65583
182	187	580946.00000	4088934.00000	-4.57000	-6.01361	1.44361
183	188	581396.00000	4090334.00000	-3.04000	-6.13403	1.09403
184	189	580847.00000	4089661.00000	-4.85000	-6.14154	1.31154
185	190	582112.00000	4089637.00000	-4.77000	-5.68414	0.91414
186	191	582154.00000	4090058.00000	-4.68000	-5.58838	0.90838
187	192	580374.00000	4090264.00000	-5.96000	-6.73383	0.77383
188	193	581263.00000	4089688.00000	-4.34000	-6.11646	1.77646
189	194	580077.00000	4090727.00000	-7.42000	-6.71844	-0.40156
190	195	580112.00000	4091712.00000	-7.27000	-6.97937	-0.29063
191	196	579647.00000	4092405.00000	-7.14000	-6.93304	-0.20696
192	197	579734.00000	4093353.00000	-4.96000	-6.60913	1.64913
193	198	578711.00000	4092182.00000	-6.44000	-7.09247	0.65247
194	199	578088.00000	4092606.00000	-5.47000	-6.91931	1.44931
195	200	578720.00000	4091600.00000	-7.04000	-6.99573	-0.04427
196	201	580774.00000	4092239.00000	-7.26000	-6.46204	-0.79796
197	202	581470.00000	4092805.00000	-6.47000	-6.50177	0.03177
198	203	581445.00000	4092625.00000	-5.43000	-6.93076	-1.08076
199	204	581302.00000	4091780.00000	-7.58000	-6.43402	-1.14958
200	205	580786.00000	4091046.00000	-5.40000	-6.76624	0.36623
201	206	581561.00000	4090763.00000	-6.31000	-6.29504	-0.01496
202	207	581794.00000	4092463.00000	-7.68000	-6.50635	-1.17365
203	208	580233.00000	4092718.00000	-6.47000	-6.59777	0.09777
204	209	580277.00000	4093770.00000	-5.04000	-6.49753	1.42753
205	210	580690.00000	4092561.00000	-6.41000	-6.67255	0.26255
206	211	580107.00000	4094144.00000	-5.43000	-6.53729	1.10729
207	212	578546.00000	4093089.00000	-5.27000	-6.67200	1.40200
208	213	581127.00000	4094137.00000	-5.36000	-6.54596	1.18596
209	214	580816.00000	4094903.00000	-5.37000	-6.36621	-0.00379
210	215	583953.00000	4094289.00000	-5.20000	-6.61285	1.41285
211	216	581958.00000	4093342.00000	-6.12000	-6.51868	0.39868
212	217	584617.00000	4093946.00000	-6.50000	-6.63129	0.13129
213	218	582545.00000	4094031.00000	-4.86000	-6.57977	1.71977
214	219	585384.00000	4095379.00000	-6.51000	-6.31329	-0.19671
215	220	583071.00000	4094518.00000	-4.74000	-6.35682	1.79682
216	221	582215.00000	4094742.00000	-5.00000	-6.60197	1.60197
217	222	584219.00000	4093311.00000	-7.28000	-6.44702	-0.33298
218	223	581527.00000	4093183.00000	-5.77000	-6.52811	0.52811
219	224	583569.00000	4093711.00000	-5.01000	-6.38208	-0.62792
220	225	583563.00000	4092623.00000	-7.16000	-6.09462	-0.99462
221	226	583608.00000	4093174.00000	-4.52000	-6.84210	2.32210
222	227	584827.00000	4094522.00000	-4.22000	-6.62793	2.40793
223	228	582706.00000	4095626.00000	-5.48000	-6.51099	1.03099
224	229	582501.00000	4096367.00000	-6.12000	-6.37671	0.23671
225	230	584218.00000	4095800.00000	-5.05000	-6.90491	1.89491
226	231	584184.00000	4094976.00000	-3.84000	-6.56592	0.72592
227	232	586133.00000	4093397.00000	-5.99000	-5.99866	-0.00866
228	233	586838.00000	4093060.00000	-3.74000	-6.67487	0.66514
229	234	585304.00000	4094800.00000	-5.74000	-6.85962	3.11962
230	235	585781.00000	4094040.00000	-6.23000	-6.34308	0.11308
231	236	585958.00000	4092804.00000	-5.64000	-5.99660	0.31660
232	237	585917.00000	4092187.00000	-5.56000	-5.17438	-0.38562
233	238	585336.00000	4092101.00000	-5.74000	-6.51018	-0.36982
234	239	583750.00000	4091513.00000	-4.64000	-4.85718	0.21718
235	240	584310.00000	4091273.00000	-3.67000	-5.23114	-0.43886
236	241	583736.00000	4091675.00000	-5.63000	-5.78923	0.24076
237	242	586497.00000	4093898.00000	-5.60000	-6.32271	-0.31271
238	243	578219.00000	4088544.00000	-7.85000	-6.88483	1.47483
239	244	583351.00000	4095741.00000	-5.11000	-6.88483	0.10249
240	245	583723.00000	4090371.00000	-3.14000	-5.24249	

ESTUDIO GRAVIMETRICO EN EL CAMPO DE NIJAR (ALMERIA). OCTUBRE 1984

PUNTO	COORDENADA X	COORDENADA Y	VALOR REAL	VALOR AJUSTADO	RESIDUO	
241	246	584244.00000	4089863.00000	-4.98000	-4.91764	-0.06236
242	247	583523.00000	4089743.00000	-4.73000	-4.33367	-0.19633
243	248	585180.00000	4090746.00000	-4.57000	-4.67126	0.42126
244	249	584816.00000	4092306.00000	-6.35000	-5.75232	-0.39268
245	250	582895.00000	4091594.00000	-5.84000	-6.03705	0.19705
246	251	582831.00000	4092625.00000	-6.88000	-6.30884	-0.37116
247	252	581867.00000	4091420.00000	-6.31000	-6.11017	-0.39983
248	253	580456.00000	4089745.00000	-6.92000	-6.45100	-0.54100
249	254	579662.00000	4090273.00000	-6.98000	-6.72162	-0.23838
250	255	575548.00000	4090858.00000	-6.05000	-7.61029	1.56029
251	257	576227.00000	4091781.00000	-8.06000	-7.36328	-0.69672
252	258	569856.00000	4089012.00000	-14.01000	-14.01000	0.71357
253	259	570090.00000	4079318.00000	-13.83000	-14.75355	0.92325
254	260	569983.00000	4080617.00000	-13.63000	-14.60376	0.97376
255	261	570507.00000	4080737.00000	-13.36000	-14.00781	0.64781
256	262	571039.00000	4080380.00000	-12.86000	-13.68939	0.82939
257	263	571915.00000	4079778.00000	-12.83000	-12.70880	-0.12120
258	264	571757.00000	4080612.00000	-12.30000	-12.87646	0.37646
259	265	572404.00000	4080365.00000	-12.64000	-12.16372	-0.49624
260	266	571327.00000	4079712.00000	-13.28000	-13.44080	0.16080
261	267	570473.00000	4080131.00000	-13.24000	-14.24377	1.00377
262	268	570169.00000	4078522.00000	-13.72000	-14.72784	1.00784
263	269	572965.00000	4080612.00000	-11.95000	-11.97929	0.02929
264	270	575310.00000	4080995.00000	-12.20000	-12.06995	-0.13005
265	271	571893.00000	4081509.00000	-11.78000	-12.65668	0.87668
266	272	572210.00000	4081931.00000	-11.45000	-12.35931	0.90931
267	273	572741.00000	4081804.00000	-11.61000	-11.93396	0.32396
268	274	570630.00000	4084166.00000	-12.86000	-12.65283	-0.20717
269	275	568050.00000	4085908.00000	-13.40000	-11.81104	-1.58897
270	276	568088.00000	4085486.00000	-14.17000	-12.11688	-2.05312
271	278	568856.00000	4084868.00000	-14.02000	-12.63873	-1.38127
272	279	570715.00000	4083583.00000	-9.75000	-11.70477	1.92477
273	280	571493.00000	4082537.00000	-11.37000	-11.70317	0.25317
274	281	571940.00000	4085534.00000	-9.95000	-11.29321	1.31321
275	282	573596.00000	4088474.00000	-10.65000	-9.33264	-1.31736
276	283	573713.00000	4086732.00000	-10.32000	-9.88977	-0.43023
277	284	575342.00000	4091477.00000	-3.09000	-7.34272	4.25272
278	285	576227.00000	4092350.00000	-5.14000	-5.14000	0.00000
279	286	576757.00000	4091921.00000	-7.45000	-7.22107	-0.22893
280	287	581885.00000	4095527.00000	-6.68000	-6.46429	-0.21571
281	288	581690.00000	4094130.00000	-4.95000	-6.48352	1.53352
282	289	584490.00000	4091588.00000	-5.45000	-5.35968	-0.09032
283	290	584068.00000	4092213.00000	-6.49000	-6.62452	0.13452
284	291	583405.00000	4092920.00000	-5.37000	-5.52283	0.15283
285	292	584197.00000	4090302.00000	-4.99000	-4.75800	-0.23200
286	293	585389.00000	4092944.00000	-6.35000	-6.12347	-0.22653
287	294	572871.00000	4082540.00000	-11.13000	-11.79943	0.66943
288	295	573293.00000	4082361.00000	-11.13000	-11.23358	0.10358
289	296	573730.00000	4081917.00000	-11.35000	-10.86401	-0.48599
290	297	574122.00000	4081365.00000	-10.50000	-10.23883	-0.26117
291	298	573356.00000	4080749.00000	-11.34000	-10.97876	-0.36124
292	299	573525.00000	4081377.00000	-11.57000	-11.03409	-0.53409
293	300	574136.00000	4081977.00000	-11.21000	-10.81535	-0.39465
294	301	574398.00000	4081830.00000	-10.51000	-9.99231	-0.51769
295	302	574697.00000	4080348.00000	-8.22000	-9.27712	1.05712
296	303	573800.00000	4082679.00000	-11.07000	-10.84613	-0.23387
297	304	573986.00000	4083097.00000	-10.70000	-10.45040	-0.25360
298	305	574676.00000	4082708.00000	-10.94000	-10.85040	-0.08560
299	306	575045.00000	4083147.00000	-10.34000	-9.64093	-0.69907
300	307	575496.00000	4082763.00000	-9.74000	-9.16022	-0.57978

ERROR TIPICO DE ESTIMACION = 1.5922
COEF. CORRELACION = 0.87207
TEST F DEL AJUSTE = 102.3234 CON 9 Y 290 GRADOS DE LIBERTAD

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
201	33	D	1	133	67.70	298.522	1335.3	648.6	1166.8	-30.60
202	33	D	1	134	62.80	299.000	1788.8	986.7	1491.8	-27.60
203	33	D	1	135	45.40	298.883	1383.5	1046.2	905.0	-23.80
204	33	D	1	137	392.55	300.264	1906.5	1893.4	-222.6	8.43
205	33	D	1	138	384.83	298.990	725.4	704.8	-171.2	-11.19
206	33	D	1	136	367.32	300.118	1333.6	1161.7	-654.9	2.86
207	33	D	1	139	288.35	299.488	1263.4	-229.9	-1242.3	-9.77
208	33	D	1	140	248.53	298.972	1345.0	-972.6	-928.7	-21.31
209	33	D	1	141	231.57	298.870	1560.9	-1372.7	-742.6	-29.26
210	33	D	1	142	210.83	298.800	2206.6	-2174.4	-373.5	-42.98
211	33	D	1	143	206.07	297.731	863.3	-858.8	-82.1	-30.34
212	33	D	1	144	183.67	298.168	1502.5	-1452.7	381.0	-42.73
213	9	D	0	7	232.26	299.277	340.5	-297.7	-165.2	-3.63
214	9	D	0	39	34.53	300.097	246.8	211.4	127.4	.61
215	9	D	1	145	34.53	300.097	246.8	211.4	127.4	.61
216	9	D	0	40	34.62	300.580	756.2	647.1	391.2	7.16
217	9	D	1	146	34.62	300.580	756.2	647.1	391.2	7.16
218	39	D	0	9	234.53	299.788	246.8	-211.4	-127.4	-.58
219	39	D	1	147	178.92	298.341	477.4	-451.3	155.2	-12.18
220	39	D	0	9	234.53	200.000	0.0	0.0	0.0	1.47
221	39	D	0	41	381.06	300.780	441.7	422.3	-129.5	5.69
222	39	D	1	148	381.06	300.780	441.7	422.3	-129.5	5.69
223	41	D	0	39	181.06	299.142	441.7	-422.3	129.5	-5.74
224	41	D	0	42	394.04	301.230	489.0	486.8	-45.7	9.66
225	42	D	0	41	194.04	298.702	489.0	-486.8	45.7	-9.71
226	42	D	0	43	346.42	301.239	212.8	141.8	-158.7	4.38
227	42	D	1	149	346.42	301.239	212.8	141.8	-158.7	4.38
228	43	D	0	42	146.42	298.609	212.8	-141.7	158.7	-4.40
229	43	D	1	150	366.75	301.630	705.8	611.5	-352.0	16.34
230	43	D	0	44	29.66	305.780	15.7	14.0	7.0	1.41
231	44	D	0	43	229.66	293.536	15.7	-14.0	-7.0	-1.40
232	44	D	1	151	34.61	300.856	558.9	478.3	289.1	5.72
233	40	D	0	9	234.62	299.370	756.1	-647.0	-391.2	-7.23
234	40	D	0	45	34.00	300.160	335.3	288.6	170.7	1.07
235	40	D	1	152	137.42	298.703	411.3	-228.0	342.2	-8.14
236	45	D	0	40	234.00	299.744	335.3	-288.6	-170.7	-1.10
237	45	D	0	46	62.52	300.040	662.7	368.0	551.1	.69
238	46	D	0	45	262.52	299.909	662.7	-368.0	-551.1	-.66
239	46	D	0	47	57.12	299.830	340.1	212.1	265.8	-.66
240	46	D	1	153	60.34	299.112	23.4	13.7	19.0	-.09
241	46	D	1	154	354.80	300.839	556.3	421.8	-362.6	7.67
242	47	D	0	46	257.12	300.075	340.1	-212.1	-265.8	.63
243	47	D	0	48	367.86	300.854	53.5	46.8	-25.9	.96
244	48	D	0	47	167.86	298.613	53.3	-46.6	25.8	-.94
245	48	D	0	33	48.05	300.979	1379.9	1005.0	945.3	21.57
246	27	D	0	29	21.39	301.577	538.5	508.2	177.5	13.61
247	27	D	0	49	114.21	299.920	495.4	-109.7	483.1	-.35
248	49	D	0	27	314.21	300.005	495.4	109.7	-483.1	.31
249	49	D	0	50	112.21	300.171	209.7	-40.0	205.9	.83
250	50	D	0	49	312.21	299.691	209.7	40.0	-205.9	-.83

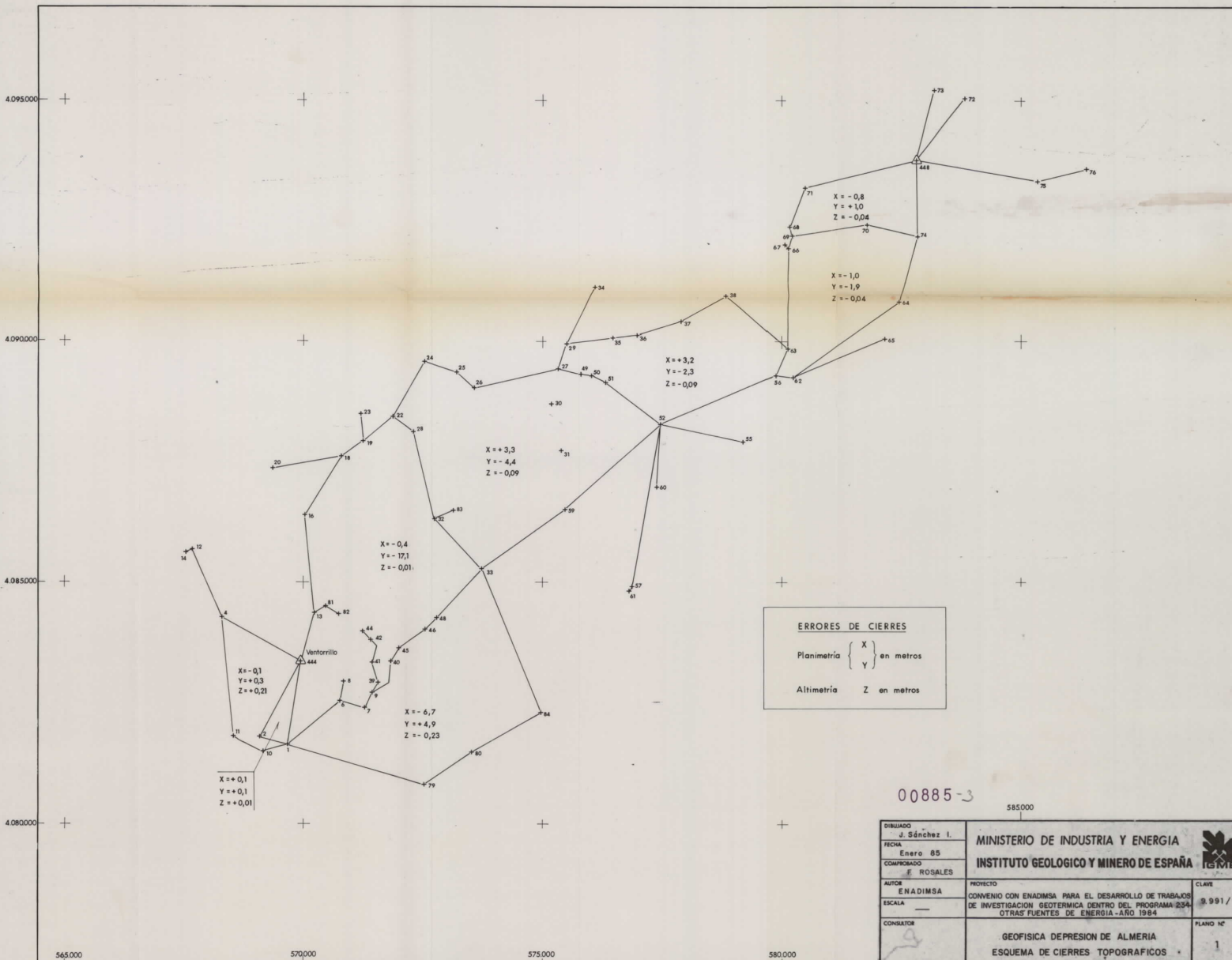
N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
251	50	D	0	51	125.41	299.800	334.6	-130.0	308.3	-.86
252	51	D	0	50	325.41	300.092	334.6	130.0	-308.3	.84
253	51	D	0	52	141.36	300.080	1426.0	-862.6	1135.5	2.17
254	52	D	0	51	341.36	299.883	1426.0	862.6	-1135.5	-2.23
255	52	D	1	155	268.61	296.450	519.3	-245.4	-456.7	-28.67
256	52	D	1	156	254.23	298.430	1672.1	-1100.9	-1257.9	-40.72
257	52	D	1	157	251.80	298.839	2419.8	-1661.7	-1758.5	-45.50
258	52	D	0	54	144.87	292.415	2.7	-1.8	2.1	-0.00
259	52	D	0	53	93.48	290.450	1.8	.2	1.8	-.02
260	54	D	0	52	0.00	200.000	0.0	0.0	0.0	1.50
261	54	D	1	158	130.46	296.558	525.6	-241.6	465.9	-28.10
262	54	D	1	159	121.51	298.362	1203.0	-398.6	1134.6	-30.61
263	54	D	0	55	113.57	298.920	1743.0	-368.7	1703.3	-29.11
264	54	D	1	160	113.57	298.920	1743.0	-368.7	1703.3	-29.11
265	54	D	1	161	94.25	299.190	1717.8	154.9	1710.7	-23.40
266	54	D	1	162	118.32	299.250	2177.7	-618.0	2088.0	-25.08
267	54	D	1	163	134.88	299.186	1989.7	-1036.3	1698.3	-24.91
268	54	D	1	164	162.42	299.245	2077.6	-1725.9	1156.3	-24.09
269	54	D	1	165	180.24	299.066	2197.4	-2092.2	671.1	-31.65
270	54	D	1	166	183.90	298.189	1329.7	-1286.9	332.6	-39.45
271	54	D	1	167	211.15	297.421	873.7	-859.6	-152.1	-37.08
272	54	D	1	168	214.35	298.201	1457.3	-1419.9	-325.6	-42.78
273	54	D	1	169	297.95	298.071	809.9	-26.1	-809.1	-24.24
274	53	D	0	52	293.48	200.000	0.0	0.0	0.0	1.45
275	53	D	0	56	74.80	299.764	2593.9	1000.2	2393.3	-8.93
276	53	D	1	243	79.21	298.266	779.4	249.9	737.9	-20.92
277	53	D	1	170	60.70	299.610	1630.5	943.8	1329.5	-9.52
278	53	D	1	171	64.15	299.780	2241.9	1196.8	1895.7	-7.18
279	53	D	1	172	74.56	299.701	2587.3	1006.6	2383.4	-11.48
280	54	D	0	52	344.87	200.000	0.0	0.0	0.0	1.45
281	54	D	1	173	143.28	298.665	1486.0	-934.0	1155.4	-32.80
282	54	D	1	174	210.10	298.654	1977.8	-1952.5	-312.4	-43.34
283	54	D	1	175	197.26	299.021	2489.0	-2486.4	107.1	-39.66
284	54	D	1	176	207.50	298.995	2844.6	-2824.5	-334.3	-44.14
285	54	D	0	57	211.22	299.242	3431.7	-3378.3	-601.6	-39.74
286	54	D	1	177	226.20	298.804	2513.9	-2303.6	-1005.5	-48.58
287	53	D	0	52	293.48	200.000	0.0	0.0	0.0	1.01
288	53	D	1	178	236.92	298.398	1622.8	-1357.0	-889.0	-42.90
289	52	D	0	53	93.48	200.000	0.0	0.0	0.0	1.46
290	52	D	0	58	203.48	298.115	1304.6	-1302.1	-71.2	-38.22
291	52	D	0	59	253.64	298.952	2681.5	-1784.4	-2001.1	-43.41
292	59	D	0	52	53.64	301.030	2681.5	1784.4	2001.1	43.10
293	59	D	0	33	260.68	300.655	2128.6	-1232.6	-1735.2	22.44
294	58	D	0	52	3.48	301.894	1304.6	1302.1	71.2	38.16
295	58	D	0	60	288.88	297.810	13.7	-2.4	-13.5	-.13
296	60	D	0	58	88.88	299.243	13.7	2.4	13.5	.13
297	60	D	0	447	124.45	301.321	10.2	-3.8	9.5	.41
298	57	D	0	54	11.22	300.731	3431.7	3378.3	601.6	39.43
299	57	D	0	61	235.92	299.114	101.8	-86.0	-54.4	-1.19
300	61	D	0	57	35.92	300.625	101.8	86.0	54.4	1.22

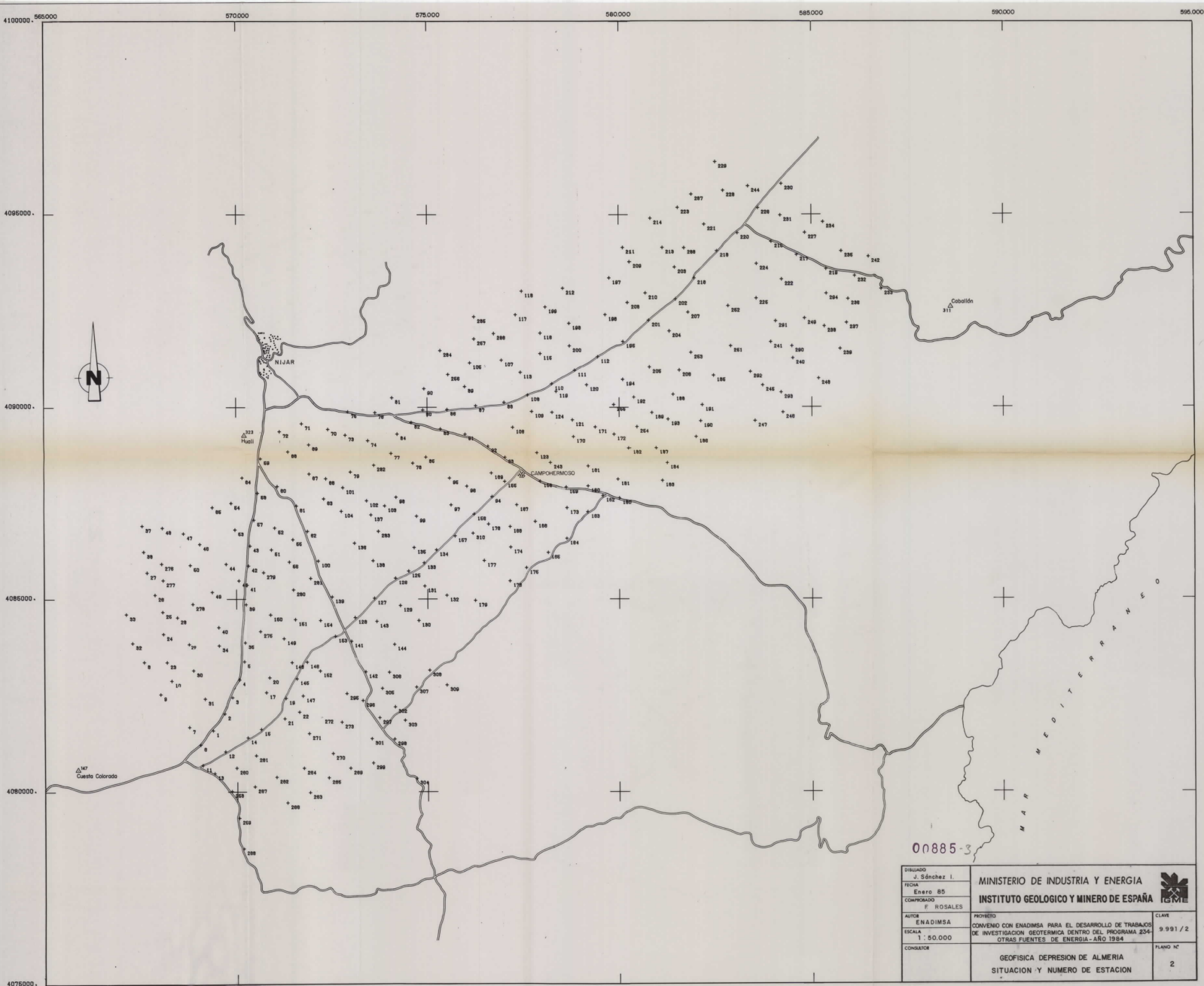
N.F.	Drig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
301	61	D	1	179	314.10	298.766	594.9	130.7	-580.3	-11.27
302	56	D	0	53	274.80	300.244	2593.8	-1000.1	-2393.2	9.63
303	56	D	0	62	107.38	300.215	355.4	-41.1	353.0	1.44
304	56	D	1	180	195.30	299.680	1686.9	-1682.3	124.4	-10.04
305	56	D	1	181	195.10	299.336	1193.9	-1190.3	91.8	-14.13
306	56	D	1	182	148.62	299.216	521.9	-360.9	376.9	-6.04
307	56	D	0	63	27.30	301.079	610.9	555.5	254.0	10.61
308	62	D	0	56	307.38	299.699	355.4	41.1	-353.0	-1.42
309	62	D	1	183	159.30	299.781	1483.8	-1190.8	885.3	-4.58
310	62	D	1	184	139.52	299.701	1242.9	-722.9	1011.0	-5.45
311	62	D	0	64	60.72	300.831	2726.5	1577.4	2223.6	36.36
312	62	D	1	185	60.72	300.831	2726.5	1577.4	2223.6	36.36
313	62	D	1	187	126.40	299.486	785.9	-316.6	719.3	-8.05
314	62	D	1	186	100.78	299.982	1764.6	-21.6	1764.5	.08
315	62	D	1	188	52.41	300.521	1593.8	1083.5	1168.8	13.52
316	62	D	1	189	50.60	300.229	871.1	610.1	621.7	3.47
317	62	D	1	190	87.15	300.030	1924.5	385.8	1885.4	-5.59
318	62	D	0	65	74.74	300.378	2089.3	807.4	1926.9	12.99
319	62	D	1	191	74.74	300.378	2089.3	807.4	1926.9	12.99
320	62	D	1	192	9.17	300.701	1023.2	1012.5	146.9	9.59
321	62	D	1	193	74.65	300.059	1126.2	436.7	1038.1	-.61
322	63	D	0	56	227.30	298.868	611.0	-555.6	-254.0	-10.60
323	63	D	0	38	345.72	300.966	1700.7	1118.9	-1280.5	26.26
324	63	D	0	56	227.30	298.868	611.0	-555.6	-254.0	-10.60
325	63	D	0	66	.57	301.212	2121.4	2120.9	19.0	40.94
326	66	D	0	63	200.57	298.749	2121.4	-2120.9	-19.0	-41.19
327	66	D	0	67	354.66	302.488	102.5	77.5	-66.9	4.27
328	66	D	1	194	202.65	298.158	1244.8	-1243.2	-51.8	-35.69
329	66	D	1	195	208.96	296.394	261.2	-258.2	-36.6	-14.57
330	1	D	0	444	9.80	300.799	1718.2	1697.7	263.4	21.12
331	1	D	0	5	273.86	296.539	377.7	-150.5	-345.8	-20.13
332	66	D	0	67	354.66	200.000	0.0	0.0	0.0	1.44
333	66	D	0	68	16.10	303.204	267.3	258.5	66.8	13.66
334	66	D	0	38	258.20	299.412	1641.1	-1001.7	-1299.8	-14.77
335	66	D	0	446	195.41	296.805	284.5	-283.4	20.5	-14.07
336	67	D	0	66	154.66	297.181	102.6	-77.6	67.0	-4.27
337	67	D	1	196	343.82	300.120	563.4	357.9	-435.1	1.32
338	67	D	1	197	384.35	300.916	1347.0	1306.4	-327.8	19.75
339	67	D	1	198	306.25	300.530	1377.9	135.1	-1371.2	11.81
340	67	D	1	199	317.40	301.330	2071.1	558.9	-1993.8	43.82
341	67	D	1	200	279.80	299.901	1433.5	-447.3	-1361.9	-1.80
342	68	D	0	66	216.10	296.679	267.3	-258.4	-66.8	-13.67
343	68	D	0	69	389.49	301.606	183.7	181.1	-30.2	4.94
344	68	D	1	201	96.50	298.085	558.8	30.7	557.7	-18.57
345	68	D	1	202	72.53	299.498	1380.2	577.2	1253.7	-10.53
346	68	D	1	203	45.95	300.394	1860.8	1396.7	1229.4	12.01
347	68	D	1	204	114.30	298.860	1114.6	-248.2	1086.4	-19.61
348	68	D	1	205	171.41	298.010	1312.7	-1182.0	569.6	-40.64
349	68	D	1	206	148.05	298.930	1846.9	-1265.2	1345.1	-30.59
350	68	D	0	70	90.60	299.713	1595.1	234.7	1577.7	-6.80


N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
351	68	D	1	207	90.60	299.713	1595.1	234.7	1577.7	-6.80
352	69	D	0	68	189.49	298.201	183.7	-181.1	30.2	-4.93
353	69	D	0	71	23.42	301.428	864.9	806.8	311.0	19.65
354	69	D	1	208	9.55	296.950	312.9	309.0	46.7	-14.66
355	69	D	1	209	4.35	301.030	1364.5	1361.1	93.2	22.41
356	69	D	1	210	47.12	299.212	748.0	552.3	504.4	-8.94
357	71	D	0	69	223.42	298.527	864.9	-806.8	-311.0	-19.79
358	71	D	1	211	374.65	303.322	1007.8	927.7	-390.2	52.81
359	71	D	1	212	295.87	299.990	1954.8	-126.7	-1950.7	.13
360	71	D	0	69	223.42	298.529	865.0	-806.9	-311.0	-19.74
361	71	D	0	448	84.20	299.954	2378.5	584.3	2305.6	-2.20
362	71	D	1	213	38.15	300.018	1117.8	923.0	630.5	.58
363	71	D	1	214	11.90	301.372	1717.6	1687.3	319.1	37.40
364	448	D	0	71	284.20	300.007	2378.5	-584.3	-2305.6	1.84
365	448	D	1	215	74.43	298.710	1251.2	489.0	1151.4	-24.00
366	448	D	1	216	268.36	297.985	960.1	-457.5	-843.5	-29.13
367	448	D	1	217	94.90	298.608	1821.0	145.7	1814.7	-38.41
368	448	D	1	218	349.27	294.990	360.4	251.1	-256.9	-27.13
369	448	D	1	220	22.78	298.509	766.9	718.1	268.5	-16.72
370	448	D	1	221	364.51	299.835	1109.6	941.6	-587.0	-1.59
371	448	D	1	222	121.15	298.805	1499.5	-489.0	1417.3	-27.80
372	448	D	1	223	352.57	300.590	1881.2	1382.8	-1275.4	18.87
373	448	D	1	224	107.32	297.210	773.2	-88.6	767.4	-32.57
374	448	D	1	225	157.88	298.670	1238.5	-977.0	760.8	-24.54
375	53	D	0	56	74.80	299.759	2593.9	1000.2	2393.3	-9.15
376	56	D	0	53	274.80	300.224	2593.8	-1000.1	-2393.2	8.80
377	448	D	0	71	284.20	300.009	2378.5	-584.3	-2305.6	1.92
378	448	D	0	72	44.39	299.954	1617.2	1239.7	1038.5	.27
379	448	D	0	73	17.70	300.168	1465.7	1409.4	402.3	5.21
380	448	D	0	74	195.50	298.980	1301.0	-1297.6	91.9	-19.52
381	448	D	1	226	33.78	299.931	1592.6	1373.6	806.0	-.36
382	448	D	1	227	78.21	299.069	2151.8	722.1	2026.8	-29.90
383	448	D	1	219	105.43	299.310	2591.7	-220.8	2582.1	-26.36
384	448	D	0	75	110.91	299.544	2584.3	-440.7	2546.4	-16.82
385	73	D	0	448	217.70	299.800	1465.7	-1409.4	-402.3	-5.30
386	73	D	1	228	344.23	300.041	649.8	416.0	-499.2	.77
387	73	D	1	229	365.20	301.214	1355.1	1157.4	-704.3	25.06
388	72	D	0	448	244.39	300.010	1617.2	-1239.7	-1038.5	-.43
389	72	D	1	230	29.33	297.583	849.1	760.0	377.2	-31.91
390	72	D	1	231	111.60	297.280	351.4	-63.6	345.3	-14.75
391	75	D	0	448	310.91	300.421	2584.3	440.7	-2546.4	16.68
392	75	D	0	76	84.28	300.739	1060.5	259.2	1028.3	12.59
393	75	D	1	232	96.80	299.710	785.4	39.5	784.4	-3.35
394	75	D	1	233	112.64	300.868	1519.4	-299.7	1489.4	21.06
395	75	D	1	234	397.99	299.394	1441.1	1440.3	-45.5	-13.38
396	75	D	1	235	36.03	299.369	805.6	680.0	432.0	-7.74
397	75	D	1	236	147.10	299.422	824.7	-556.0	609.1	-9.25
398	75	D	1	237	171.16	300.265	1302.7	-1171.3	570.2	5.74
399	75	D	1	238	200.65	299.154	1259.3	-1259.1	-12.9	-16.44
400	75	D	1	239	186.38	300.400	1887.9	-1844.8	400.8	12.31

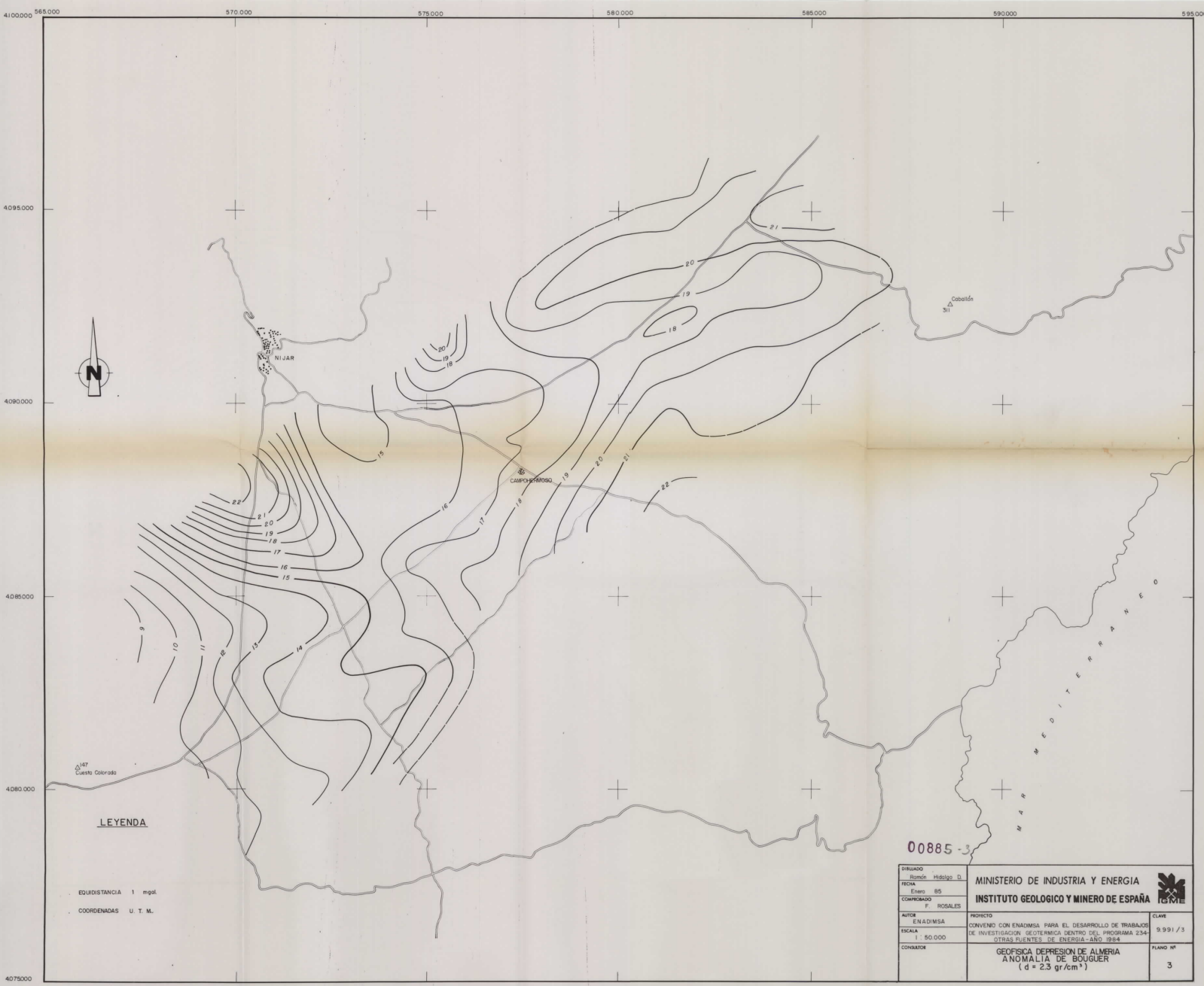
N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
401	75	D	1	240	224.35	298.900	2249.4	-2086.5	-839.4	-38.33
402	75	D	1	241	244.80	298.970	2183.6	-1664.7	-1412.7	-34.81
403	76	D	0	75	284.26	299.225	1060.5	-259.5	-1028.2	-12.63
404	76	D	1	242	25.90	294.642	305.4	279.5	120.4	-25.48
405	72	D	0	448	244.39	200.000	0.0	0.0	0.0	1.46
406	72	D	1	244	361.17	299.335	855.5	701.2	-490.0	-8.61
407	74	D	0	448	395.50	200.000	0.0	0.0	0.0	1.43
408	74	D	0	64	216.48	298.862	1732.1	-1674.1	-443.3	-30.56
409	74	D	1	245	168.80	298.225	1762.8	-1554.7	829.4	-48.68
410	74	D	1	246	165.76	298.910	2635.2	-2262.8	1349.8	-44.41
411	74	D	1	247	184.20	298.694	2561.6	-2482.6	629.1	-51.83
412	74	D	1	248	134.58	299.700	2670.5	-1380.3	2286.1	-11.85
413	74	D	1	249	94.05	299.060	1930.5	180.1	1921.9	-27.98
414	74	D	1	250	205.50	295.554	1226.3	-1218.7	-105.6	-85.22
415	74	D	1	251	199.85	295.550	533.0	-531.7	1.3	-37.02
416	74	D	0	77	369.90	301.120	98.0	87.2	-44.6	1.91
417	77	D	0	74	169.90	200.000	0.0	0.0	0.0	1.44
418	77	D	1	252	397.03	298.572	412.6	412.0	-19.2	-9.04
419	77	D	1	253	256.75	298.670	1263.2	-793.5	-982.5	-26.08
420	56	D	0	53	274.80	200.000	0.0	0.0	0.0	1.41
421	56	D	1	254	78.58	300.355	616.0	203.4	581.5	.63
422	56	D	1	255	398.90	301.065	779.4	779.2	-13.5	10.25
423	34	D	0	29	228.82	200.000	0.0	0.0	0.0	1.48
424	34	D	1	256	269.00	297.200	640.7	-299.5	-565.7	-27.90
425	34	D	1	257	11.40	301.650	633.3	623.0	112.8	16.68
426	10	D	0	5	105.65	200.000	0.0	0.0	0.0	1.40
427	10	D	1	258	172.83	298.585	1658.1	-1509.0	686.2	-36.46
428	10	D	0	78	173.10	299.014	2377.5	-2168.1	974.9	-36.22
429	10	D	1	259	175.80	299.012	2373.1	-2203.4	880.4	-38.30
430	1	D	0	444	9.80	200.000	0.0	0.0	0.0	1.44
431	1	D	1	260	181.30	297.620	1088.7	-1041.3	315.0	-40.35
432	1	D	1	261	145.20	298.346	1106.9	-721.3	839.1	-29.48
433	1	D	1	262	147.75	298.745	1874.6	-1277.6	1371.3	-38.51
434	1	D	1	263	140.87	299.660	2805.6	-1679.9	2247.0	-14.22
435	1	D	1	264	129.55	299.195	2336.5	-1045.9	2089.1	-28.89
436	1	D	1	265	128.10	299.975	3026.0	-1292.7	2736.0	-.30
437	1	D	0	79	117.82	299.950	2982.7	-824.0	2866.6	-1.49
438	1	D	1	266	155.07	299.170	2557.4	-1946.3	1658.6	-32.64
439	1	D	1	267	169.10	298.295	1726.7	-1526.7	805.3	-45.79
440	1	D	1	268	189.92	298.928	3176.3	-3136.1	500.8	-54.59
441	79	D	0	1	317.82	200.000	0.0	0.0	0.0	1.48
442	79	D	1	269	130.03	302.172	484.9	-220.2	431.7	16.84
443	79	D	1	270	391.05	295.777	161.9	160.0	-22.6	-10.50
444	79	D	1	271	351.80	297.796	932.4	677.3	-640.0	-31.98
445	79	D	1	272	381.80	298.319	1146.0	1099.1	-323.1	-31.93
446	79	D	1	273	13.40	298.730	993.9	971.8	207.6	-19.52
447	79	D	1	274	79.30	300.472	853.3	272.6	808.6	6.61
448	79	D	0	80	62.50	300.265	1198.4	665.8	996.4	5.32
449	13	D	0	444	218.71	200.000	0.0	0.0	0.0	1.46
450	13	D	0	81	65.50	299.940	275.6	142.2	236.1	-.04

N.F.	Orig	T	Per	Est	Ang H	Ang V	Gener	Y	X	Z
451	81	D	0	13	265.50	299.962	275.6	-142.2	-236.1	.04
452	81	D	0	82	134.80	298.376	312.1	-162.2	266.5	-7.76
453	82	D	0	81	334.80	301.540	312.0	162.1	-266.5	7.77
454	82	D	1	275	234.83	299.459	213.8	-182.6	-111.2	-1.60
455	12	D	0	4	173.09	200.000	0.0	0.0	0.0	1.47
456	12	D	1	276	65.50	299.549	439.9	226.9	376.9	-2.83
457	12	D	1	277	127.90	297.837	459.0	-194.7	415.4	-15.36
458	4	D	0	12	373.09	200.000	0.0	0.0	0.0	1.44
459	4	D	1	278	48.05	298.486	807.8	588.3	553.3	-18.93
460	16	D	0	13	194.20	200.000	0.0	0.0	0.0	1.46
461	16	D	1	279	152.78	297.139	982.5	-723.7	663.1	-43.75
462	16	D	1	280	143.40	297.749	1857.5	-1169.7	1441.4	-65.13
463	16	D	1	281	127.58	297.810	2081.4	-873.3	1888.0	-71.00
464	26	D	0	25	344.78	200.000	0.0	0.0	0.0	1.46
465	26	D	1	282	199.12	299.090	573.4	-573.3	7.9	-7.95
466	32	D	0	33	152.78	200.000	0.0	0.0	0.0	1.47
467	32	D	0	83	73.15	300.230	430.8	176.4	393.0	1.80
468	83	D	0	32	273.15	299.672	430.8	-176.4	-393.0	-1.89
469	83	D	1	283	74.05	299.595	598.5	237.3	549.5	-5.54
470	34	D	0	29	228.82	200.000	0.0	0.0	0.0	1.48
471	34	D	1	284	324.98	299.890	835.3	319.4	-771.8	-1.16
472	34	D	1	285	6.00	302.215	1197.7	1191.7	112.6	41.99
473	34	D	1	286	43.60	301.765	985.2	762.7	623.0	25.62
474	448	D	0	72	44.39	200.000	0.0	0.0	0.0	2.44
475	448	D	1	287	368.94	301.265	1957.5	1728.8	-917.4	40.40
476	448	D	1	288	318.36	299.360	1159.6	329.8	-1111.7	-10.30
477	448	D	1	289	180.39	298.865	505.7	-481.8	153.3	-7.74
478	74	D	0	448	395.50	200.000	0.0	0.0	0.0	1.46
479	74	D	1	290	120.70	298.690	1684.1	-537.9	1595.5	-34.19
480	74	D	1	291	94.20	298.650	1179.4	107.3	1174.2	-26.70
481	74	D	1	292	174.50	298.025	1310.1	-1205.8	510.6	-40.20
482	74	D	1	293	159.10	298.900	2178.3	-1743.7	1305.0	-37.07
483	75	D	0	448	310.91	200.000	0.0	0.0	0.0	1.43
484	75	D	1	294	193.90	296.540	418.4	-415.9	40.0	-22.48
485	80	D	0	79	262.50	299.706	1198.4	-665.8	-996.4	-5.43
486	80	D	1	295	364.30	298.329	1233.5	1044.2	-655.8	-32.04
487	80	D	1	296	383.20	298.075	896.7	865.3	-233.8	-26.83
488	80	D	1	297	28.60	298.730	467.3	420.8	202.9	-9.08
489	80	D	1	298	113.80	302.050	610.0	-131.1	595.4	17.89
490	80	D	1	299	197.50	301.585	748.3	-747.5	29.4	18.89
491	80	D	1	300	342.50	297.720	551.3	341.1	-432.7	-19.50
492	80	D	1	301	201.10	299.370	119.4	-119.4	-2.1	-9.96
493	80	D	1	302	45.50	299.540	928.8	701.5	608.7	-8.43
494	80	D	1	303	75.40	300.640	940.6	354.5	871.2	7.74
495	80	D	1	304	149.35	300.855	1640.5	-1148.0	1171.7	22.44
496	80	D	0	84	67.34	300.452	1655.3	812.4	1442.2	12.15
497	84	D	0	80	267.34	299.517	1655.3	-812.4	-1442.2	-12.17
498	84	D	0	33	375.16	300.044	3218.0	2976.1	-1224.0	3.11
499	84	D	1	305	319.70	298.204	1226.1	373.2	-1167.4	-36.28
500	84	D	1	306	343.20	298.060	1260.4	790.8	-980.7	-40.09






DISEÑADO J. Sánchez L.		MINISTERIO DE INDUSTRIA Y ENERGIA	
FECHA Enero 85		INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA	
CONSEJERO F. ROSALES			
AUTOR ENADIMSA	PROYECTO CONVENIO CON ENADIMSA PARA EL DESARROLLO DE TRABAJOS DE INVESTIGACION GEOTERMICA DENTRO DEL PROGRAMA 254- OTRAS FUENTES DE ENERGIA-AÑO 1984	CLASE 9.991/2	
ESCALA 1:50.000			PLANO Nº 2
CONSULTOR	GEOFISICA DEPRESION DE ALMERIA SITUACION Y NUMERO DE ESTACION		

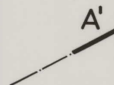
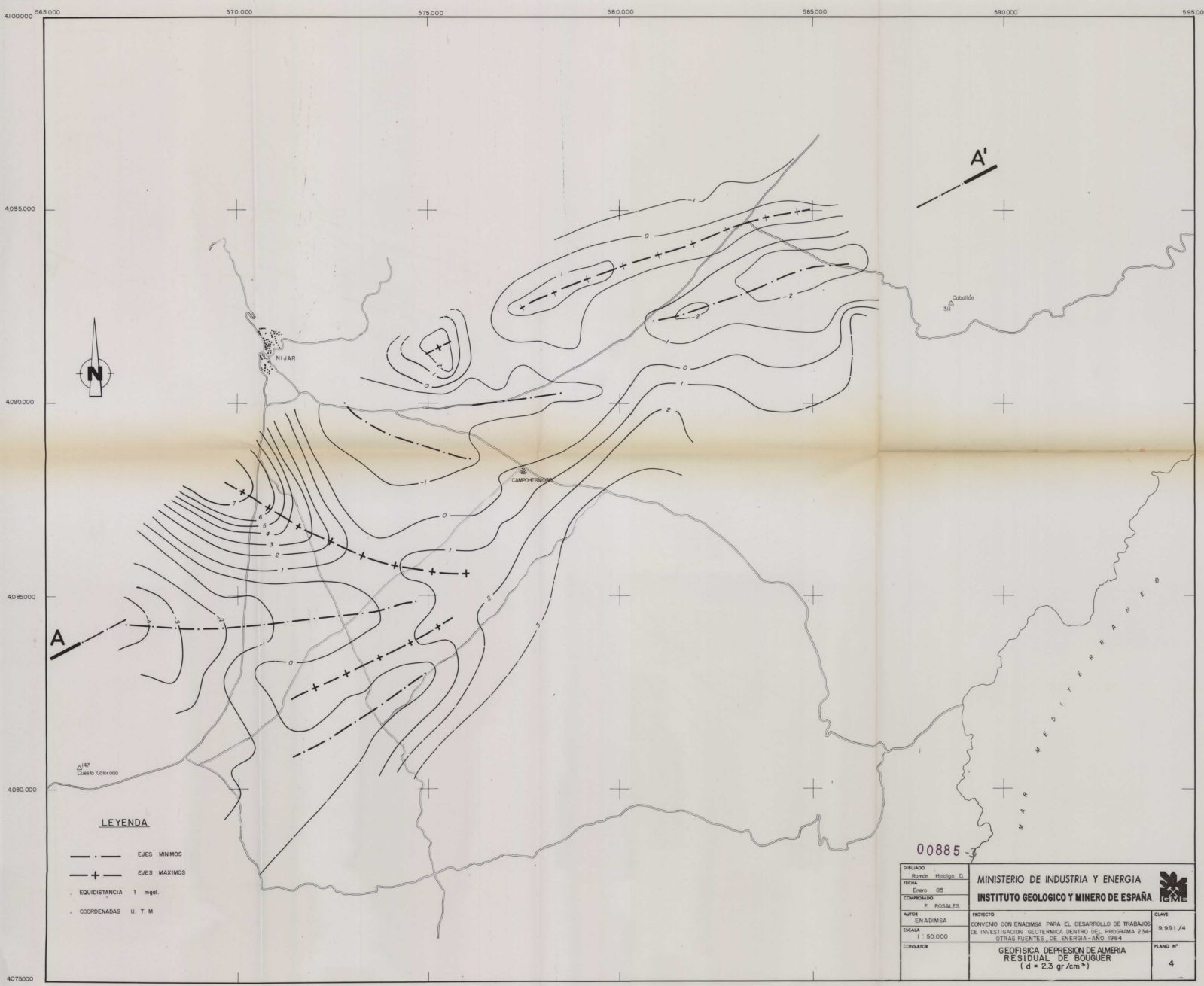


LEYENDA

EQUIDISTANCIA 1 mgal
 COORDENADAS U. T. M.

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DIBUJADO HERRERO, Higinio D. FECHA Enero 85 COORDINADO F. ROSALES	MINISTERIO DE INDUSTRIA Y ENERGIA INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA 	
AUTOR ENADIMSA ESCALA 1:50.000 CONSULTOR	PROYECTO CONVENIO CON ENADIMSA PARA EL DESARROLLO DE TRABAJOS DE INVESTIGACION GEOTERMICA DENTRO DEL PROGRAMA 234 OTRAS FUENTES DE ENERGIA- AÑO 1984 GEOFISICA DEPRESION DE ALMERIA ANOMALIA DE BOUGUER (d = 2.3 gr/cm ³)	CLAVE 9.991/3 PLANO Nº 3



LEYENDA

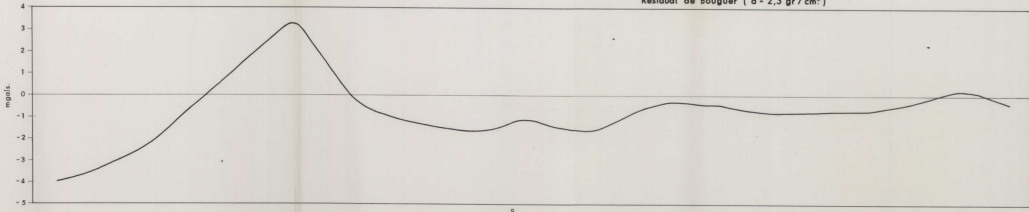
- — — — — EJES MÍNIMOS
- + — — — — EJES MÁXIMOS
- · · · · EQUIDISTANCIA 1 mgal.
- · · · · COORDENADAS U. T. M.

00885-3

DIBUJADO: <u>Isidro Hidalgo D.</u> FECHA: <u>Sept. 89</u> COMPROBADO: <u>F. ROSALES</u>		MINISTERIO DE INDUSTRIA Y ENERGIA INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA	
AUTOR: <u>ENADIMSA</u> ESCALA: <u>1:50.000</u>	PROYECTO: <u>CONVENIO CON ENADIMSA PARA EL DESARROLLO DE TRABAJOS DE INVESTIGACION GEOTERMICA DENTRO DEL PROGRAMA 234- OTRAS FUENTES DE ENERGIA-AÑO 1984</u>		
CONSULTA:	GEOFISICA DEPRESION DE ALMERIA RESIDUAL DE BOGUER (d = 2.3 gr/cm ³)	PLANO N°: <u>4</u>	

CORTE A-A'

Residual de Bouguer ($d = 2,3 \text{ gr/cm}^3$)



Perfil topográfico
(CON PROFUNDIDAD AL ZOCALO)

SW. 5-627 5-154 NE.

$\Delta \rho = 0,5 \text{ gr/cm}^3$

SUBSTRATO

metros [L.n.m.]

570.000

575.000

580.000

585.000

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DIBUJANTE J. Sánchez I. TÍTULO Enero 85 COMPROBADO F. ROSALES ALCIA ENADIMSA ESCALA COORDINADA	MINISTERIO DE INDUSTRIA Y ENERGIA INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA PROYECTO CONVENIO CON ENADIMSA PARA EL DESARROLLO DE TRABAJOS DE INVESTIGACION GEOTERMICA DENTRO DEL PROGRAMA ENA. OTRAS FUENTES DE ENERGIA-AÑO 1984 GEOFISICA DEPRESION DE ALMERIA INTERPRETACION SOBRE UN PERFIL LONGITUDINAL A LA CUENCA	CLASE 9.991/5 PLANO Nº 5
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