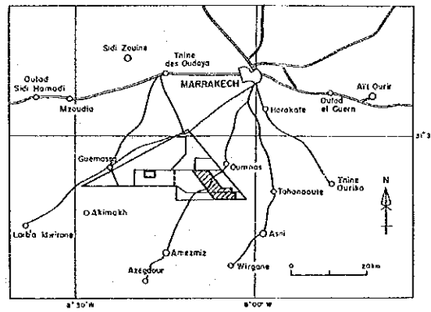
COOPERATIVE MINERAL E 'LORATION
IN
HAOUZ CENTRAL AREA, 10ROCCO
(PHASE II)

FIG. II – 27

THIRD – ORDER SURFAC FIT MAP



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1989

Prepared by MINDECO

0 2,500m

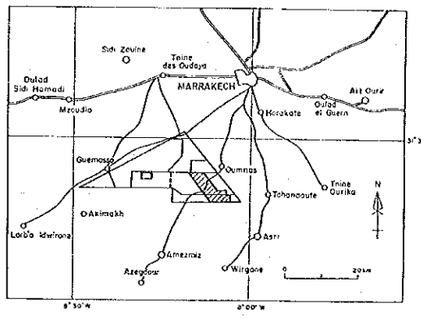
Scale 1 : 50,000

LEGEND

● HS – 1	Boring Site
O	Gravity Station
-50 / -55	Gravity Contour (milligal)
H	High Gravity Zone
L	Low Gravity Zone

COOPERATIVE MINERAL E PLORATION
IN
HAOUZ CENTRAL AREA, MOROCCO
(PHASE II)

Fig II-28
THREE-ORDER RESIDUAL MAP



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1989
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0 2,500m

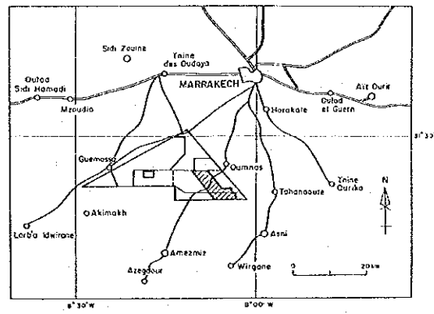
Scale 1 : 50,000

LEGEND

- HS-1 Boring Site
- Gravity Station
- 1.0 / 0.5 Gravity Contour (milligal)
- High Gravity Zone
- Low Gravity Zone

COOPERATIVE MINERAL EXPLORATION
IN
HAOUZ CENTRAL AREA, MOROCCO
(PHASE II)

FIG. II-29
SECOND VERTICAL DERIVATIVES MAP
(S = 150m)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1989

Prepared by MINDECO

0 2,500m

Scale 1 : 25,000

LEGEND

- ● HS - 1 Boring Site
- ○ Gravity Station
- 600 / 0 Contour of Second Vertical Derivatives (mgal/Km²)
- (+) High zone
- (◇) Low zone

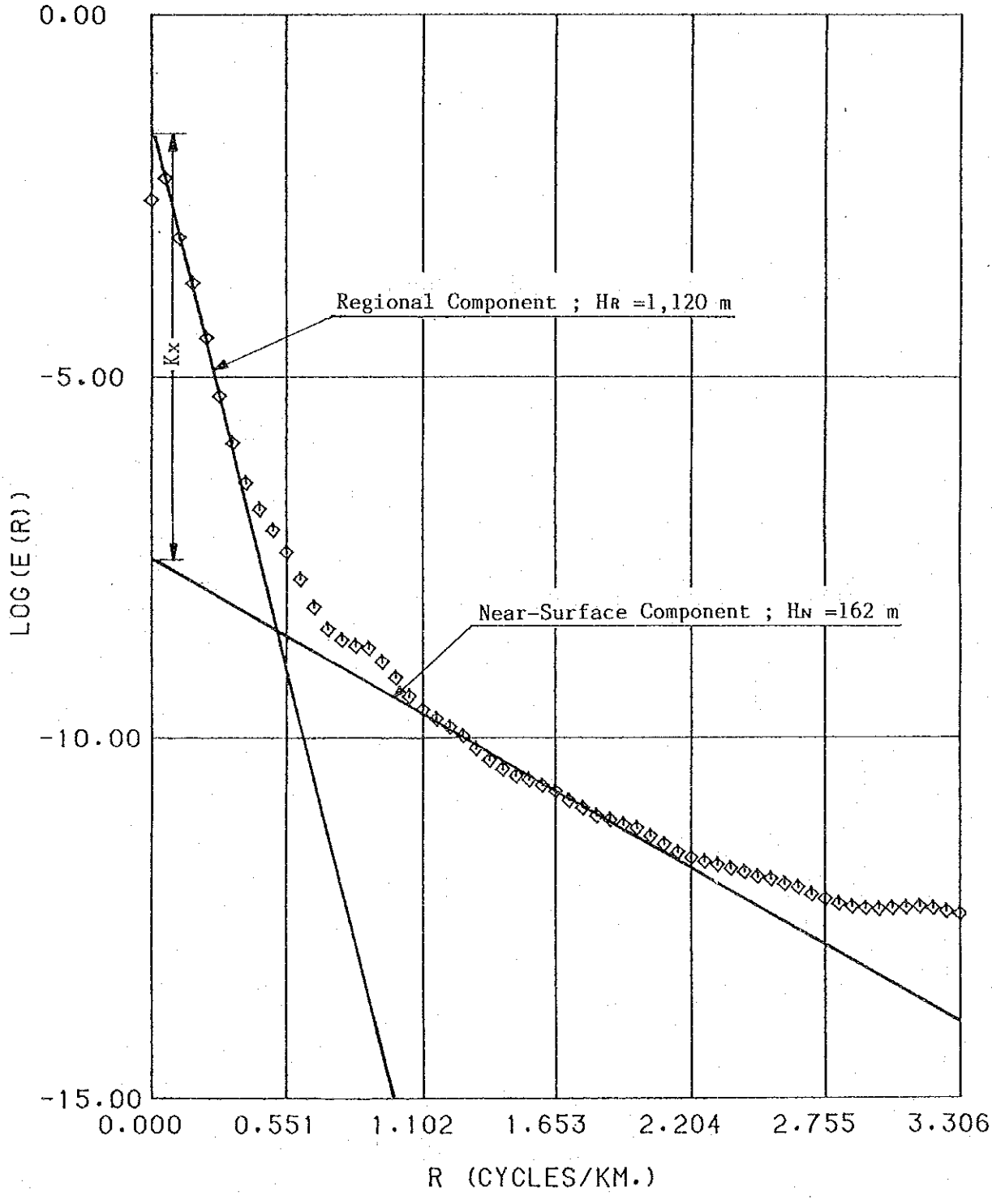
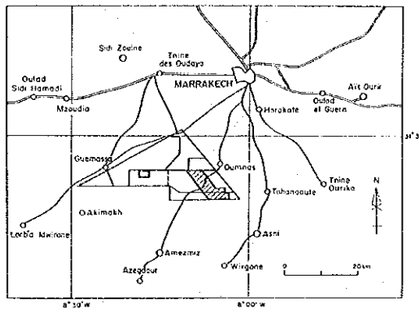


Fig. Ⅱ-30 Energy Spectrum

COOPERATIVE MINERAL E. PLORATION
IN
HAOUZ CENTRAL AREA, MOROCCO
(PHASE II)

FIG. II - 31
RESULTS OF SPECTRAL ANALYSIS
(SHALLOW STRUCTURE)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1989

Prepared by MINDECO

0 2,500m

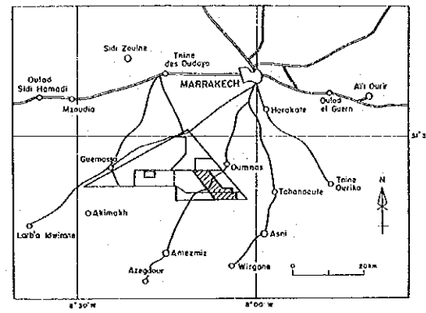
Scale 1 : 50,000

LEGEND

- HS - 1 Boring Site
- Gravity Station
- Gravity Contour (milligal)
- High Gravity Zone
- Low Gravity Zone

COOPERATIVE MINERAL EXPLORATION
IN
HAOUZ CENTRAL AREA, MOROCCO
(PHASE II)

FIG. II – 32
RESULTS OF SPECTRAL ANALYSIS
(DEEP STRUCTURE)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1989
Prepared by MINDECO

0 2,500m

Scale 1 : 50,000

LEGEND

- ● HS – 1 Boring Site
- O Gravity Station
- Gravity Contour (milligal)
- H High Gravity Zone
- L Low Gravity Zone

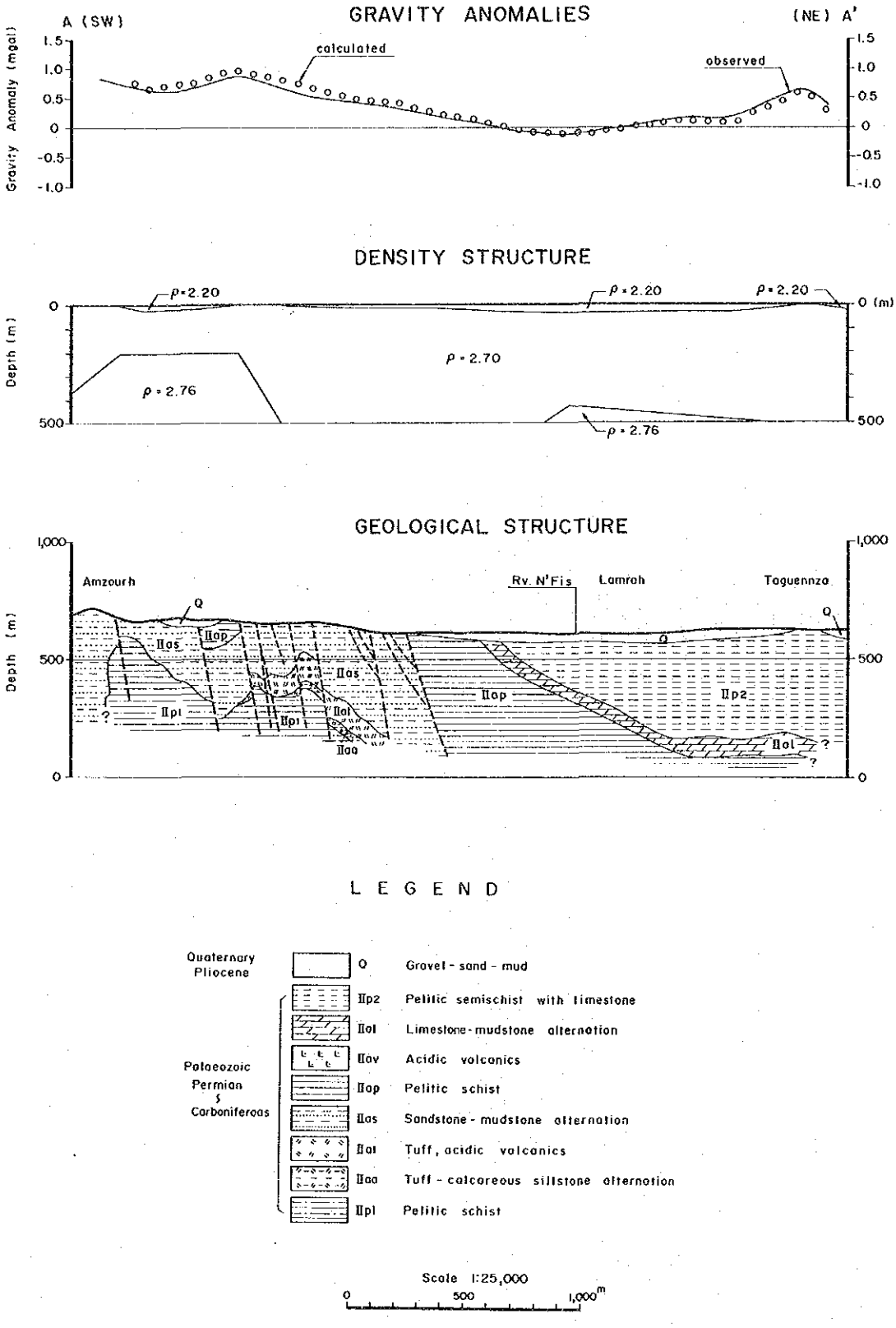


Fig. II-33 Cross Section of A-A'

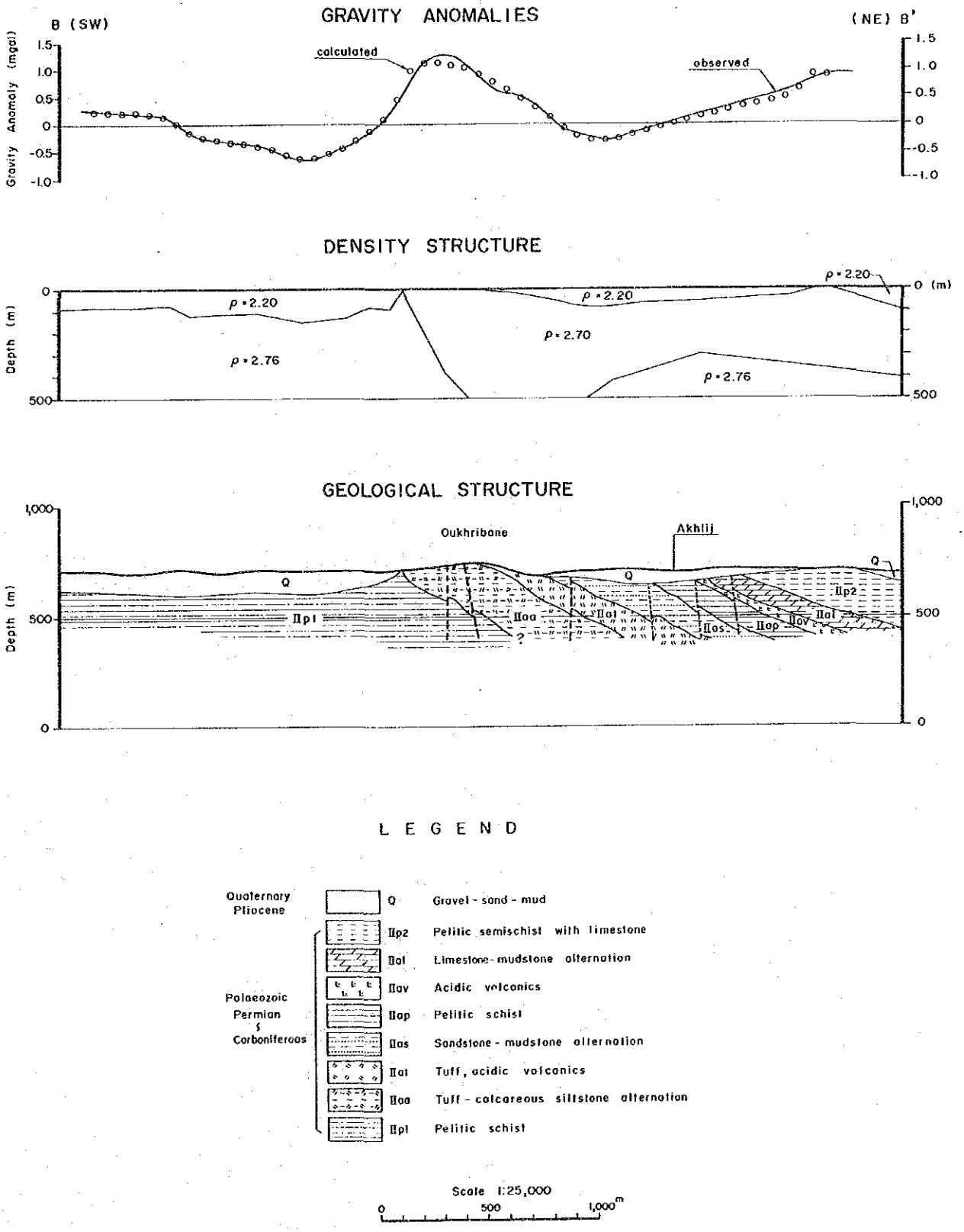
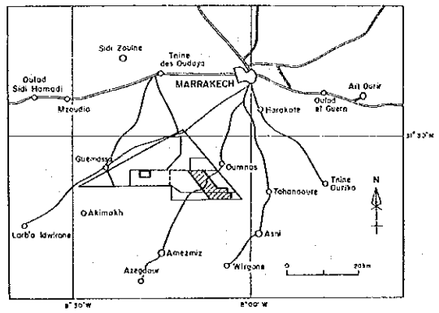


Fig. II-34 Cross Section of B-B'

COOPERATIVE MINERAL EXPLORATION
IN
HAOUZ CENTRAL AREA, MOROCCO
(PHASE II)

FIG. II-35
STRUCTURE CONTOUR MAP ON THE TOP OF THE BASEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1989
Prepared by MINDECO

0 2,500m

Scale 1 : 50,000

LEGEND

- ● HS-1 Boring Site
- ○ Gravity Station
- 20 / 50 Depth of Basement (meter)
- (+) Deep
- (◇) Shallow

CHAPTER 3 SUMMARY AND DISCUSSIONS

3-1 Summary of the Results

The results derived from IP and gravity exploration are summarized as follows :

(1) The Hajar ore deposit was analyzed to be the zone of low resistivity and strong IP effect ranging from 10 to 15 ohm-m and 20 % respectively. Especially, IP method could effectively distinguish sulfide ore deposits in the low resistivity zones.

(2) There were no anomalous zones detected with low apparent resistivity and strong IP effect in the survey lines inside Tiferouine, Akhlij and Oukhribane blocks.

(3) The structure with low apparent resistivity and strong IP anomaly around station 5 to 6 on LM-1 and LM-2 in Lamrah was obtained. But the apparent resistivity and FE values of 3.4 to 4 % are not so prominent as of the Hajar ore deposit.

(4) A low apparent resistivity and strong IP anomaly zone was obtained on FZ-1 of Frizem. Analyzed resistivity and FE values were 20 ohm-m and 15 % respectively.

(5) Detected high gravity anomaly zones were as follows :

(A) Hajar high anomaly

(B) Oukhribane high anomaly

(C) Akhlij high anomaly

(D) Amzourh high anomaly

3-2 Discussions

The results of the IP and gravity methods were summarized in Fig.II-36 with the following criteria :

1) Low apparent resistivity anomaly (35 ohm-m or less)

2) IP anomaly (3 % or more)

3) High gravity anomaly (0.5 mgal or more)

4) Magnetic anomaly (10 nT or more)

5) Low resistivity anomaly (CSAMT method)

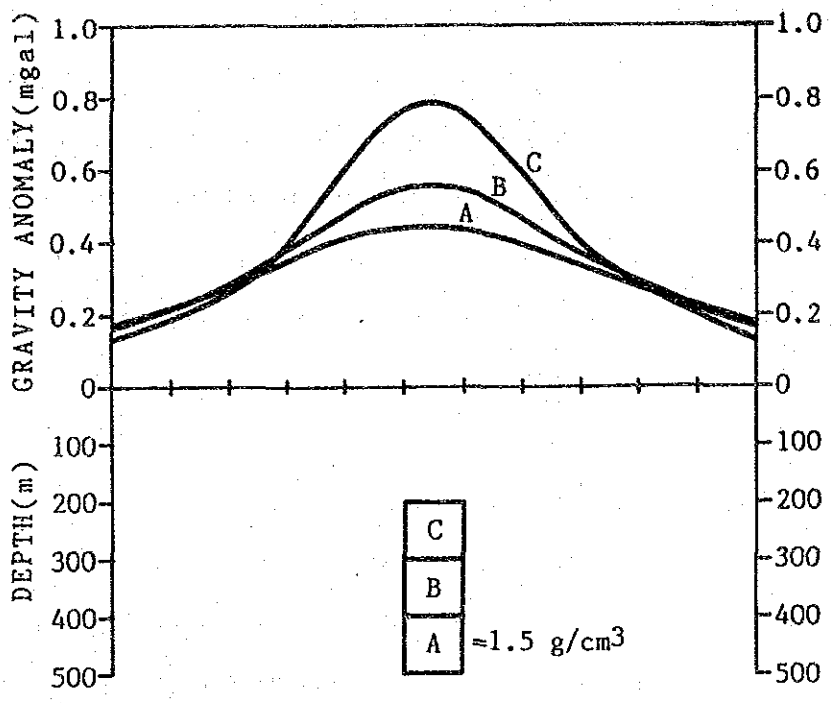
(1) Lamrah Block

A low apparent resistivity and strong IP anomaly zone was detected on LM-1 and LM-2 in Lamrah, which is associated with the low resistivity anomaly by CSAMT method and a slight positive magnetic anomaly. According to the results of two-dimensional analysis, a structure with low resistivity and large FE of 20 % was 200 m in depth on LM-1 and LM-2. However, there was no significant gravity anomaly found in this area.

In order to confirm the magnitude of gravity attraction caused by buried gravity source, calculations were carried out using two-dimensional regular square prism model as shown in the following figure. The dimension of the source body with the density contrast of 1.5 g/cm^3 is 100 m x 100 m. The density contrast was derived from the measurements of rock samples, that is 2.70 g/cm^3 of basement rocks and 4.25 g/cm^3 of ores. This calculation suggests that the gravity attraction caused by buried source with the depth of 500 m is also detectable to be the anomaly of more than 0.4 mgal. Therefore, there will be small possibility that massive high density ore body exists in the shallow part

like 400 m depth of the area but may be disseminated ore deposit

Inasmuch as many geophysical survey except gravity method suggest the possibility of the existence of the orebody, the drilling survey is recommended to check the geological structure of the area.



(2) Frizem Block

A zone of low apparent resistivity and strong IP of 5 to 6 % was detected on FZ-1 of Frizem. Despite of the high average FE values of 3.7 % and 2.4 % for FZ-1 and FZ-2 respectively, the average values of apparent resistivity were as much as 120 ohm-m and 254 ohm-m. The reasons of these high apparent resistivity values seem to the existence of the high resistivity silicate and altered rocks, and shallower surface conductive layer. It is obvious that the feature of background in Frizem is distinctly different from that of Hajar and Lamrah. Around FZ-1, there was a strong positive magnetic anomaly and low resistivity anomaly

by CSAMT method. And the result of two-dimensional analysis leads to the structure with the resistivity of around 20 ohm-m and the FE of 25 %.

IP method and drilling survey hereafter are awaited to check the extension of the structure and to investigate the corresponding geology.

(3) Oukhribane High Gravity Anomaly Zone

High gravity anomaly zone (more than 1 mgal) was revealed along the NW-SE direction around Oukhribane. The zone was associated with high apparent resistivity and weak FE anomalies. There seems to be no magnetic anomalies related to this gravity anomaly. Therefore, the anomaly zone could be corresponding to uplift and outcrops of the basement rocks(the Hajar horizon).

(4) Akhlij High Gravity Anomaly Zone

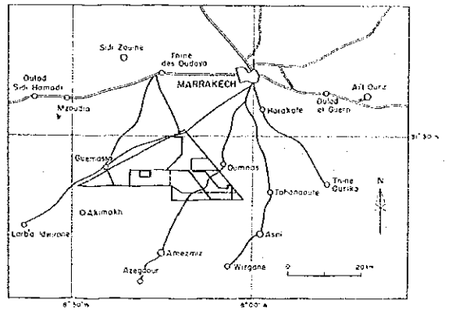
This high gravity anomaly zone (more than 1.5 mgal) is located from the north of Akhlij to the southeast. The apparent resistivity and FE of this zone is more than 100 ohm-m and 3 % respectively. On AK-2 low resistivity of 30 ohm-m and FE of 2.5 %, relatively higher than the surrounding were measured. Furthermore, there exist the several positive and negative magnetic anomalies from Akhlij to the east Akhlij and positive magnetic anomaly at the north of the high gravity zone.

Since this zone is located at the edge of the survey area for the Phase II and therefore not enough data of resistivity, IP and gravity available, it is recommended to continue IP explorations to investigate the structure of this area.

COOPERATIVE MINERAL EXPLORATION
IN
HAOUZ CENTRAL AREA, MOROCCO
(PHASE II)

FIG. II-36

MAP OF GEOPHYSICAL INTERPRETATION



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1989
Prepared by MINDECO

0 2,500m

Scale 1 : 50,000

LEGEND

0 5	Station Number Survey Line
HJ	Hajar
TF	Tiferouine
AK	Akhlij – Oukhribane
LM	Lamrah
FZ	Frizem

- IP Anomaly (n = 5 , >3.0 %) } IP
- Low Resistivity (n = 5 , < 35Ω-m) } IP
- High Gravity Anomaly (> 0.5mgal)
- (H) High Magnetic Anomaly
- Low Magnetic Anomaly
- Low Resistivity (CSAMT)

Tab. II −3 List of Gravity Data

(density for correction $\rho = 2.4$)

LEGEND

ST・NO	OBS・DAY	LAT・	LONG・	LEVEL	ABS・G	C・30M	ETC	TERR・C	F・E・C	B・G・C	NORM・G	ANOM・F	ANOM・B
station number	date of observation	latitude	longitude	altitude of station(m)	absolute gravity(gal)	sketch correction(mgal)	leveling method and gravitymeter	total terrain correction(mgal)	Free-air correction(mgal)	Bouguer correction(mgal)	normal gravity(gal)	Free-air anomaly(mgal)	Bouguer anomaly(mgal)
		3123.25 31° 23.25'N	-8 7.62 8° 7.62'W				L; leveling LG; L & R, G-type						

88(YEAR) ***** THE LIST OF GRAVITY SURVEY (MOROCCO) **** HAOUZ AREA DENSITY = 2.40 (G/CM**3) PAGE= 1

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
1	88 924	3123.25	-8 7.62	600.94	0.979263732	0.012	0 0 LG	*	1.065	186.264	-60.068	0.979434019	17.042	-43.025
2	88 924	3123.14	-8 7.65	604.13	0.979262760	0.0	0 0 LG	*	1.056	187.246	-60.384	0.979433871	17.191	-43.194
3	88 928	3123.06	-8 7.67	605.50	0.979262350	0.024	0 0 LG	*	1.089	187.668	-60.520	0.979433764	17.342	-43.178
4	88 928	3122.93	-8 7.70	606.90	0.979261669	0.0	0 0 LG	*	1.090	188.101	-60.659	0.979433590	17.270	-43.390
5	88 924	3122.82	-8 7.73	608.28	0.979261370	0.0	0 0 LG	*	1.133	188.527	-60.797	0.979433443	17.587	-43.210
6	88 924	3122.69	-8 7.73	606.34	0.979261166	0.0	0 0 LG	*	1.219	187.928	-60.604	0.979433269	17.044	-43.560
7	88 924	3122.59	-8 7.72	612.76	0.979259469	0.0	0 0 LG	*	1.172	189.910	-61.242	0.979433135	17.416	-43.826
8	88 926	3122.48	-8 7.72	613.79	0.979258542	0.0	0 0 LG	*	1.185	190.227	-61.344	0.979432988	16.966	-44.378
9	88 926	3122.37	-8 7.71	615.49	0.979257734	0.0	0 0 LG	*	1.208	190.750	-61.512	0.979432841	16.851	-44.662
10	88 924	3122.26	-8 7.71	616.27	0.979257262	0.024	0 0 LG	*	1.271	190.992	-61.590	0.979432694	16.831	-44.759
11	88 924	3122.15	-8 7.73	617.84	0.979256410	0.0	0 0 LG	*	1.284	191.475	-61.746	0.979432546	16.623	-45.123
12	88 924	3122.05	-8 7.76	618.89	0.979255737	0.0	0 0 LG	*	1.336	191.800	-61.851	0.979432413	16.461	-45.389
13	88 926	3123.33	-8 7.54	610.10	0.979262204	0.012	0 0 LG	*	1.022	189.087	-60.977	0.979434126	18.188	-42.789
14	88 926	3123.36	-8 7.46	612.93	0.979261477	0.0	0 0 LG	*	0.986	189.960	-61.258	0.979434166	18.258	-43.001
15	88 926	3123.39	-8 7.37	612.89	0.979261592	0.0	0 0 LG	*	0.985	189.949	-61.254	0.979434206	18.319	-42.936
16	88 926	3123.43	-8 7.28	612.80	0.979261775	0.0	0 0 LG	*	0.990	189.921	-61.246	0.979434260	18.427	-42.818
17	88 926	3123.46	-8 7.20	613.44	0.979261957	0.0	0 0 LG	*	0.994	190.118	-61.309	0.979434300	18.770	-42.539
18	88 926	3123.49	-8 7.11	614.95	0.979261686	0.0	0 0 LG	*	0.994	190.584	-61.459	0.979434340	18.924	-42.535
19	88 926	3123.54	-8 6.99	618.91	0.979260368	0.0	0 0 LG	*	0.991	191.805	-61.852	0.979434407	18.757	-43.095
20	88 926	3123.43	-8 6.97	621.71	0.979259691	0.0	0 0 LG	*	1.001	192.669	-62.130	0.979434260	19.101	-43.029
21	88 926	3123.32	-8 7.03	618.17	0.979259768	0.0	0 0 LG	*	1.049	191.576	-61.779	0.979434112	18.281	-43.498
22	88 926	3123.21	-8 7.13	626.42	0.979257759	0.0	0 0 LG	*	1.015	194.124	-62.598	0.979433965	18.933	-43.666
23	88 926	3123.13	-8 7.21	619.51	0.979259023	0.0	0 0 LG	*	1.073	191.990	-61.912	0.979433858	18.227	-43.685
24	88 926	3123.06	-8 7.25	625.67	0.979257410	0.0	0 0 LG	*	1.031	193.893	-62.524	0.979433764	18.570	-43.955
25	88 926	3122.98	-8 7.29	626.44	0.979257009	0.0	0 0 LG	*	1.040	194.130	-62.601	0.979433657	18.522	-44.079
26	88 926	3122.90	-8 7.34	626.08	0.979256791	0.0	0 0 LG	*	1.063	194.018	-62.564	0.979433550	18.322	-44.242
27	88 926	3122.95	-8 7.40	626.70	0.979256845	0.0	0 0 LG	*	1.027	194.210	-62.626	0.979433617	18.466	-44.161
28	88 926	3122.99	-8 7.48	620.80	0.979258513	0.0	0 0 LG	*	1.034	192.390	-62.040	0.979433671	18.266	-43.775
29	88 926	3123.00	-8 7.59	618.69	0.979259237	0.0	0 0 LG	*	1.075	191.738	-61.831	0.979433684	18.365	-43.465
30	88 926	3121.80	-8 7.99	612.06	0.979255912	0.228	0 0 LG	*	1.698	189.692	-61.172	0.979432078	15.223	-45.949
31	88 926	3121.84	-8 7.87	620.47	0.979254378	0.216	0 0 LG	*	1.727	192.287	-62.007	0.979432132	16.260	-45.747
32	88 926	3121.94	-8 7.78	620.58	0.979254771	0.0	0 0 LG	*	1.488	192.322	-62.019	0.979432265	16.316	-45.702
33	88 926	3123.33	-8 7.63	601.72	0.979263929	0.0	0 0 LG	*	1.025	186.503	-60.145	0.979434126	17.331	-42.814
34	88 926	3123.41	-8 7.61	600.91	0.979264329	0.012	0 0 LG	*	1.034	186.253	-60.064	0.979434233	17.383	-42.682
35	88 926	3123.52	-8 7.57	600.39	0.979264985	0.0	0 0 LG	*	1.004	186.092	-60.013	0.979434380	17.701	-42.312
36	88 926	3123.57	-8 7.56	598.01	0.979265683	0.0	0 0 LG	*	1.008	185.358	-59.776	0.979434447	17.603	-42.173
37	88 926	3123.67	-8 7.52	596.83	0.979266263	0.0	0 0 LG	*	1.026	184.994	-59.659	0.979434581	17.702	-41.957
38	88 926	3123.76	-8 7.53	591.00	0.979268081	0.024	0 0 LG	*	1.076	183.196	-59.080	0.979434701	17.651	-41.429
39	88 926	3123.83	-8 7.51	592.76	0.979267547	0.012	0 0 LG	*	1.026	183.739	-59.255	0.979434795	17.517	-41.738
40	88 926	3123.97	-8 7.45	589.09	0.979268427	0.024	0 0 LG	*	1.018	182.608	-58.890	0.979434983	17.069	-41.821
41	88 926	3123.83	-8 7.35	602.13	0.979265298	0.024	0 0 LG	*	0.992	186.630	-60.186	0.979434795	18.125	-42.061
42	88 927	3121.41	-8 7.59	681.62	0.979238836	0.012	0 0 LG	*	1.251	211.154	-68.077	0.979431556	19.685	-48.392
43	88 927	3121.51	-8 7.71	678.99	0.979239918	0.036	0 0 LG	*	1.451	210.341	-67.816	0.979431690	20.021	-47.795
44	88 927	3121.28	-8 7.45	707.02	0.979232469	0.024	0 0 LG	*	1.511	218.989	-70.596	0.979431382	21.587	-49.009
45	88 927	3121.44	-8 7.43	689.91	0.979237201	0.072	0 0 LG	*	1.559	213.710	-68.899	0.979431596	20.873	-48.026
46	88 927	3121.08	-8 7.33	713.21	0.979230228	0.0	0 0 LG	*	1.448	220.897	-71.208	0.979431115	21.457	-49.751
47	88 927	3120.86	-8 7.12	727.32	0.979225536	0.060	0 0 LG	*	1.492	225.252	-72.608	0.979430820	21.460	-51.148
48	88 927	3120.79	-8 6.98	737.94	0.979222325	0.024	0 0 LG	*	1.666	228.527	-73.660	0.979430727	21.791	-51.869
49	88 927	3120.62	-8 6.78	739.09	0.979220702	0.048	0 0 LG	*	1.585	228.881	-73.773	0.979430499	20.669	-53.105
50	88 927	3120.52	-8 6.61	739.84	0.979219936	0.012	0 0 LG	*	1.363	229.112	-73.848	0.979430366	20.046	-53.801

88(YEAR) ***** THE LIST OF GRAVITY SURVEY (MOROCCO) **** HAOUZ AREA DENSITY = 2.40 (G/CM**3) PAGE= 2

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
51	88 927	3120.41	-8 6.29	753.02	0.979216210	0.0	0 0 LG	*	1.368	233.180	-75.154	0.979430219	20.539	-54.614
52	88 927	3120.41	-8 6.14	760.58	0.979214536	0.0	0 0 LG	*	1.402	235.512	-75.902	0.979430219	21.231	-54.671
53	88 927	3120.57	-8 6.04	758.50	0.979216389	0.0	0 0 LG	*	1.344	234.869	-75.696	0.979430433	22.170	-53.526
54	88 927	3120.64	-8 6.19	760.93	0.979216292	0.0	0 0 LG	*	1.352	235.619	-75.937	0.979430526	22.737	-53.200
55	88 927	3120.74	-8 6.11	750.16	0.979219841	0.024	0 0 LG	*	1.333	232.298	-74.871	0.979430660	22.812	-52.058
56	88 927	3120.70	-8 6.42	751.64	0.979218657	0.0	0 0 LG	*	1.597	232.754	-75.017	0.979430606	22.402	-52.615
57	88 927	3120.81	-8 6.30	751.11	0.979219516	0.0	0 0 LG	*	1.308	232.591	-74.965	0.979430754	22.662	-52.303
58	88 927	3120.80	-8 6.52	742.73	0.979221350	0.024	0 0 LG	*	1.505	230.004	-74.134	0.979430740	22.119	-52.015
59	88 927	3120.83	-8 6.66	739.79	0.979223192	0.024	0 0 LG	*	1.413	229.098	-73.843	0.979430780	22.922	-50.921
60	88 927	3120.96	-8 6.80	732.87	0.979224447	0.048	0 0 LG	*	1.729	226.963	-73.157	0.979430954	22.184	-50.973
61	88 927	3121.09	-8 6.97	709.84	0.979230528	0.0	0 0 LG	*	1.245	219.858	-70.875	0.979431128	20.503	-50.372
62	88 927	3121.19	-8 7.14	710.07	0.979231844	0.0	0 0 LG	*	1.296	219.930	-70.898	0.979431262	21.808	-49.090
63	88 927	3121.27	-8 7.25	694.43	0.979235412	0.012	0 0 LG	*	1.307	215.106	-69.347	0.979431369	20.456	-48.892
64	88 927	3121.32	-8 7.16	693.76	0.979235749	0.0	0 0 LG	*	1.271	214.897	-69.280	0.979431436	20.482	-48.799
65	88 927	3120.90	-8 6.28	750.79	0.979220100	0.0	0 0 LG	*	1.297	232.491	-74.933	0.979430874	23.014	-51.918
66	88 928	3121.02	-8 6.48	745.58	0.979221907	0.0	0 0 LG	*	1.368	230.884	-74.417	0.979431034	23.124	-51.292
67	88 928	3121.02	-8 6.66	733.33	0.979224533	0.024	0 0 LG	*	1.646	227.104	-73.203	0.979431034	22.249	-50.954
68	88 928	3121.15	-8 6.62	734.45	0.979225131	0.012	0 0 LG	*	1.273	227.452	-73.314	0.979431208	22.647	-50.667
69	88 928	3121.21	-8 6.87	717.56	0.979229374	0.060	0 0 LG	*	1.370	222.240	-71.640	0.979431289	21.695	-49.945
70	88 928	3121.32	-8 6.82	721.45	0.979228922	0.024	0 0 LG	*	1.297	223.441	-72.026	0.979431436	22.224	-49.802
71	88 928	3121.40	-8 6.85	717.74	0.979230266	0.0	0 0 LG	*	1.267	222.294	-71.658	0.979431543	22.284	-49.373
72	88 928	3121.51	-8 6.99	712.21	0.979232339	0.024	0 0 LG	*	1.301	220.589	-71.110	0.979431690	22.538	-48.572
73	88 928	3121.40	-8 7.07	697.44	0.979235277	0.0	0 0 LG	*	1.261	216.033	-69.646	0.979431543	21.029	-48.617
74	88 928	3121.43	-8 7.24	685.56	0.979238069	0.0	0 0 LG	*	1.306	212.368	-68.467	0.979431583	20.160	-48.308
75	88 928	3121.57	-8 7.18	706.34	0.979234028	0.012	0 0 LG	*	1.570	218.778	-70.528	0.979431770	22.606	-47.922
76	88 928	3121.61	-8 7.31	688.63	0.979238464	0.012	0 0 LG	*	1.282	213.314	-68.771	0.979431824	21.236	-47.536
77	88 928	3121.61	-8 7.43	659.37	0.979244575	0.060	0 0 LG	*	1.426	204.289	-65.870	0.979431824	18.467	-47.403
78	88 928	3121.65	-8 7.61	638.86	0.979249222	0.0	0 0 LG	*	1.483	197.960	-63.833	0.979431877	16.787	-47.046
79	88 928	3121.68	-8 7.74	636.83	0.979250042	0.024	0 0 LG	*	1.391	197.335	-63.632	0.979431917	16.851	-46.781
80	88 928	3121.04	-8 6.34	743.80	0.979222658	0.0	0 0 LG	*	1.267	230.335	-74.240	0.979431061	23.199	-51.041
81	88 928	3121.08	-8 6.20	730.76	0.979225710	0.0	0 0 LG	*	1.286	226.313	-72.948	0.979431115	22.194	-50.754
82	88 928	3120.98	-8 6.23	744.46	0.979222111	0.0	0 0 LG	*	1.282	230.540	-74.306	0.979430981	22.952	-51.354
83	88 928	3121.61	-8 6.96	705.47	0.979234292	0.0	0 0 LG	*	1.174	218.509	-70.441	0.979431824	22.152	-48.290
84	88 928	3121.70	-8 7.04	699.80	0.979236125	0.0	0 0 LG	*	1.214	216.760	-69.879	0.979431944	22.154	-47.725
85	88 928	3121.82	-8 7.11	701.12	0.979236459	0.0	0 0 LG	*	1.230	217.169	-70.011	0.979432105	22.754	-47.257
86	88 928	3121.97	-8 7.13	691.42	0.979239162	0.012	0 0 LG	*	1.354	214.174	-69.048	0.979432306	22.386	-46.663
87	88 928	3121.76	-8 7.23	701.63	0.979236142	0.0	0 0 LG	*	1.511	217.326	-70.061	0.979432025	22.954	-47.107
88	88 928	3121.88	-8 7.33	695.19	0.979237936	0.024	0 0 LG	*	1.329	215.340	-69.423	0.979432185	22.420	-47.003
89	88 928	3121.79	-8 7.38	687.72	0.979239225	0.048	0 0 LG	*	1.383	213.034	-68.682	0.979432065	21.577	-47.105
90	88 928	3121.85	-8 7.51	677.41	0.979241923	0.024	0 0 LG	*	1.342	209.855	-67.659	0.979432145	20.975	-46.684
91	88 928	3121.83	-8 7.65	664.59	0.979244940	0.036	0 0 LG	*	1.304	205.898	-66.387	0.979432118	20.024	-46.363
92	88 928	3121.93	-8 7.52	671.19	0.979243822	0.036	0 0 LG	*	1.371	207.933	-67.041	0.979432252	20.874	-46.167
93	88 928	3121.99	-8 7.26	692.84	0.979238890	0.012	0 0 LG	*	1.354	214.613	-69.189	0.979432332	22.525	-46.664
94	88 929	3123.18	-8 7.00	629.40	0.979256608	0.0	0 0 LG	*	1.026	195.043	-62.894	0.979433925	18.752	-44.142
95	88 929	3123.08	-8 6.95	631.59	0.979255495	0.0	0 0 LG	*	1.044	195.718	-63.112	0.979433791	18.466	-44.645
96	88 929	3123.00	-8 6.88	635.38	0.979254356	0.036	0 0 LG	*	1.087	196.888	-63.488	0.979433684	18.647	-44.841
97	88 929	3122.94	-8 6.79	640.12	0.979252798	0.0	0 0 LG	*	1.073	198.349	-63.958	0.979433604	18.616	-45.342
98	88 929	3122.86	-8 6.69	645.05	0.979251279	0.0	0 0 LG	*	1.091	199.870	-64.448	0.979433497	18.744	-45.704
99	88 929	3122.78	-8 6.60	649.89	0.979249768	0.0	0 0 LG	*	1.109	201.364	-64.928	0.979433390	18.851	-46.077
100	88 929	3122.72	-8 6.51	657.05	0.979248014	0.0	0 0 LG	*	1.131	203.571	-65.638	0.979433309	19.407	-46.232

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
101	88 929	3122.69	-8 6.39	666.82	0.979246282	0.0	0 0 LG	*	1.137	206.585	-66.608	0.979433269	20.735	-45.873
102	88 929	3122.50	-8 6.16	687.53	0.979241968	0.0	0 0 LG	*	1.190	212.974	-68.662	0.979433015	23.117	-45.546
103	88 929	3122.35	-8 5.98	705.33	0.979237557	0.0	0 0 LG	*	1.162	218.466	-70.427	0.979432814	24.371	-46.057
104	88 929	3122.25	-8 5.95	712.37	0.979235084	0.0	0 0 LG	*	1.163	220.639	-71.126	0.979432680	24.206	-46.920
105	88 929	3122.14	-8 5.91	720.60	0.979232574	0.0	0 0 LG	*	1.194	223.179	-71.942	0.979432533	24.414	-47.528
106	88 929	3122.03	-8 5.84	728.77	0.979230146	0.0	0 0 LG	*	1.217	225.699	-72.751	0.979432386	24.676	-48.075
107	88 929	3121.96	-8 5.73	729.89	0.979229574	0.0	0 0 LG	*	1.201	226.045	-72.862	0.979432292	24.528	-48.334
108	88 929	3121.89	-8 5.62	735.23	0.979227781	0.0	0 0 LG	*	1.222	227.692	-73.392	0.979432198	24.497	-48.894
109	88 929	3121.80	-8 5.49	733.45	0.979227655	0.0	0 0 LG	*	1.236	227.141	-73.215	0.979432078	23.954	-49.260
110	88 929	3121.75	-8 5.35	739.23	0.979225962	0.0	0 0 LG	*	1.262	228.926	-73.788	0.979432011	24.138	-49.649
111	88 929	3121.56	-8 5.32	741.96	0.979224713	0.0	0 0 LG	*	1.304	229.766	-74.058	0.979431757	24.026	-50.032
112	88 929	3121.46	-8 5.66	734.64	0.979226234	0.0	0 0 LG	*	1.285	227.508	-73.332	0.979431623	23.403	-49.929
113	88 929	3121.41	-8 5.97	727.66	0.979228128	0.0	0 0 LG	*	1.310	225.355	-72.641	0.979431556	23.237	-49.404
114	88 929	3121.30	-8 6.03	732.35	0.979226870	0.012	0 0 LG	*	1.381	226.802	-73.106	0.979431409	23.644	-49.462
115	88 929	3121.38	-8 6.15	725.74	0.979229257	0.0	0 0 LG	*	1.324	224.763	-72.451	0.979431516	23.829	-48.622
116	88 929	3121.50	-8 6.20	718.17	0.979231370	0.0	0 0 LG	*	1.308	222.428	-71.701	0.979431677	23.429	-48.271
117	88 929	3121.58	-8 6.29	705.31	0.979234651	0.0	0 0 LG	*	1.288	218.461	-70.426	0.979431784	22.617	-47.809
118	88 929	3121.16	-8 6.09	726.38	0.979227648	0.0	0 0 LG	*	1.293	224.962	-72.515	0.979431222	22.682	-49.833
119	88 929	3120.94	-8 6.03	736.41	0.979223740	0.0	0 0 LG	*	1.322	228.056	-73.508	0.979430927	22.190	-51.318
120	88 929	3121.19	-8 6.27	737.51	0.979226088	0.0	0 0 LG	*	1.269	228.395	-73.617	0.979431262	24.489	-49.128
121	88 930	3120.94	-8 7.23	716.36	0.979228682	0.108	0 0 LG	*	1.497	221.868	-71.521	0.979430927	21.120	-50.401
122	88 930	3120.99	-8 7.20	717.38	0.979228613	0.012	0 0 LG	*	1.588	222.185	-71.622	0.979430994	21.392	-50.230
123	88 930	3121.04	-8 7.16	689.50	0.979234911	0.216	0 0 LG	*	1.534	213.582	-68.858	0.979431061	18.966	-49.892
124	88 930	3121.09	-8 7.14	683.58	0.979236547	0.036	0 0 LG	*	1.569	211.757	-68.271	0.979431128	18.744	-49.527
125	88 930	3121.14	-8 7.10	704.90	0.979232132	0.012	0 0 LG	*	1.221	218.335	-70.385	0.979431195	20.494	-49.892
126	88 930	3121.19	-8 7.08	711.71	0.979230976	0.048	0 0 LG	*	1.357	220.436	-71.061	0.979431262	21.508	-49.553
127	88 930	3121.24	-8 7.06	706.09	0.979232329	0.012	0 0 LG	*	1.349	218.701	-70.503	0.979431329	21.051	-49.452
128	88 930	3121.28	-8 7.03	692.13	0.979235626	0.024	0 0 LG	*	1.261	214.395	-69.119	0.979431382	19.899	-49.220
129	88 930	3121.34	-8 6.99	706.13	0.979232788	0.0	0 0 LG	*	1.384	218.712	-70.507	0.979431463	21.421	-49.086
130	88 930	3121.38	-8 6.98	687.90	0.979236805	0.120	0 0 LG	*	1.484	213.089	-68.699	0.979431516	19.862	-48.837
131	88 930	3121.43	-8 6.94	699.70	0.979234576	0.048	0 0 LG	*	1.251	216.731	-69.870	0.979431583	20.975	-48.895
132	88 930	3121.48	-8 6.91	712.54	0.979231979	0.048	0 0 LG	*	1.263	220.691	-71.142	0.979431650	22.283	-48.859
133	88 930	3121.53	-8 6.87	706.43	0.979233597	0.048	0 0 LG	*	1.193	218.805	-70.536	0.979431717	21.878	-48.658
134	88 930	3121.57	-8 6.85	701.88	0.979234854	0.036	0 0 LG	*	1.192	217.402	-70.086	0.979431770	21.678	-48.408
135	88 930	3121.62	-8 6.83	702.98	0.979234973	0.0	0 0 LG	*	1.172	217.742	-70.195	0.979431837	22.050	-48.144
136	88 930	3121.67	-8 6.80	709.27	0.979234202	0.096	0 0 LG	*	1.290	219.683	-70.818	0.979431904	23.271	-47.547
137	88 930	3121.73	-8 6.77	714.13	0.979233261	0.012	0 0 LG	*	1.252	221.180	-71.300	0.979431984	23.710	-47.590
138	88 930	3121.77	-8 6.73	712.52	0.979233914	0.0	0 0 LG	*	1.291	220.686	-71.141	0.979432038	23.853	-47.288
139	88 930	3121.82	-8 6.71	713.04	0.979234596	0.0	0 0 LG	*	1.260	220.845	-71.192	0.979432105	24.596	-46.595
140	88 930	3121.88	-8 6.68	704.70	0.979236244	0.0	0 0 LG	*	1.233	218.273	-70.366	0.979432185	23.565	-46.800
141	88 930	3121.93	-8 6.65	698.12	0.979237334	0.0	0 0 LG	*	1.190	216.242	-69.713	0.979432252	22.513	-47.200
142	88 930	3121.97	-8 6.62	692.21	0.979239055	0.0	0 0 LG	*	1.165	214.419	-69.127	0.979432306	22.333	-46.794
143	88 930	3122.02	-8 6.59	692.71	0.979238856	0.0	0 0 LG	*	1.180	214.573	-69.176	0.979432372	22.237	-46.939
144	88 930	3122.07	-8 6.57	689.77	0.979239925	0.0	0 0 LG	*	1.209	213.667	-68.885	0.979432439	22.362	-46.523
145	88 930	3122.10	-8 6.53	680.71	0.979241842	0.072	0 0 LG	*	1.273	210.873	-67.987	0.979432480	21.509	-46.478
146	88 930	3122.16	-8 6.52	663.05	0.979245559	0.060	0 0 LG	*	1.681	205.425	-66.235	0.979432560	20.105	-46.129
147	88 930	3122.21	-8 6.49	680.80	0.979242247	0.096	0 0 LG	*	1.332	210.900	-67.995	0.979432627	21.852	-46.144
148	88 930	3122.25	-8 6.45	675.49	0.979243603	0.084	0 0 LG	*	1.307	209.262	-67.469	0.979432680	21.491	-45.977
149	88 930	3122.30	-8 6.42	682.94	0.979242354	0.0	0 0 LG	*	1.151	211.558	-68.207	0.979432747	22.317	-45.890
150	88 930	3122.35	-8 6.40	681.96	0.979242714	0.036	0 0 LG	*	1.184	211.258	-68.110	0.979432814	22.342	-45.768

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
151	88 930	3122.40	-8 6.37	685.07	0.979242337	0.0	0 0 LG	*	1.137	212.216	-68.419	0.979432881	22.810	-45.609
152	88 930	3122.44	-8 6.34	683.12	0.979242815	0.0	0 0 LG	*	1.140	211.615	-68.225	0.979432935	22.636	-45.589
153	88 930	3122.49	-8 6.32	680.85	0.979243392	0.0	0 0 LG	*	1.138	210.915	-68.000	0.979433001	22.443	-45.557
154	88 930	3122.53	-8 6.29	678.12	0.979244161	0.0	0 0 LG	*	1.139	210.074	-67.730	0.979433055	22.319	-45.411
155	88 930	3122.58	-8 6.27	681.20	0.979243374	0.0	0 0 LG	*	1.204	211.021	-68.034	0.979433122	22.478	-45.556
156	88 930	3122.65	-8 6.26	670.80	0.979245471	0.108	0 0 LG	*	1.242	207.814	-67.003	0.979433216	21.311	-45.692
157	88 930	3122.69	-8 6.21	673.98	0.979244904	0.0	0 0 LG	*	1.125	208.795	-67.319	0.979433269	21.555	-45.764
158	88 930	3122.63	-8 6.06	686.04	0.979242320	0.012	0 0 LG	*	1.149	212.515	-68.515	0.979433189	22.794	-45.720
159	88 930	3122.43	-8 6.09	694.78	0.979240320	0.0	0 0 LG	*	1.151	215.212	-69.382	0.979432921	23.762	-45.620
160	88 930	3122.38	-8 6.15	702.69	0.979237882	0.0	0 0 LG	*	1.246	217.654	-70.166	0.979432854	23.928	-46.239
161	88 930	3122.46	-8 6.22	688.07	0.979241838	0.0	0 0 LG	*	1.162	213.142	-68.716	0.979432961	23.180	-45.536
162	88 930	3122.28	-8 6.07	713.66	0.979235621	0.0	0 0 LG	*	1.235	221.036	-71.253	0.979432720	25.172	-46.081
163	8810 1	3121.16	-8 6.42	743.88	0.979223380	0.0	0 0 LG	*	1.353	230.358	-74.248	0.979431222	23.870	-50.378
164	8810 1	3121.23	-8 6.55	728.86	0.979227000	0.0	0 0 LG	*	1.202	225.726	-72.760	0.979431315	22.613	-50.147
165	8810 1	3121.32	-8 6.50	742.51	0.979225085	0.0	0 0 LG	*	1.346	229.938	-74.113	0.979431436	24.933	-49.180
166	8810 1	3121.34	-8 6.66	727.76	0.979227858	0.024	0 0 LG	*	1.232	225.386	-72.651	0.979431463	23.014	-49.637
167	8810 1	3121.43	-8 6.65	722.15	0.979230133	0.0	0 0 LG	*	1.218	223.655	-72.095	0.979431583	23.423	-48.672
168	8810 1	3121.52	-8 6.77	706.62	0.979233904	0.0	0 0 LG	*	1.172	218.866	-70.556	0.979431703	22.239	-48.317
169	8810 1	3121.46	-8 6.44	734.52	0.979228598	0.0	0 0 LG	*	1.347	227.474	-73.321	0.979431623	25.795	-47.526
170	8810 1	3121.55	-8 6.54	743.56	0.979227296	0.0	0 0 LG	*	1.490	230.261	-74.217	0.979431744	27.304	-46.913
171	8810 1	3121.65	-8 6.56	742.29	0.979227930	0.0	0 0 LG	*	1.600	229.868	-74.090	0.979431877	27.520	-46.570
172	8810 1	3121.71	-8 6.60	746.08	0.979227413	0.0	0 0 LG	*	1.646	231.038	-74.466	0.979431958	28.139	-46.327
173	8810 1	3121.69	-8 6.69	752.52	0.979226348	0.0	0 0 LG	*	1.861	233.024	-75.104	0.979431931	29.302	-45.802
174	8810 1	3121.51	-8 6.66	718.84	0.979231504	0.0	0 0 LG	*	1.223	222.635	-71.767	0.979431690	23.672	-48.095
175	8810 1	3121.34	-8 6.36	722.93	0.979229167	0.0	0 0 LG	*	1.224	223.898	-72.173	0.979431463	22.826	-49.346
176	8810 1	3121.49	-8 5.85	723.40	0.979229097	0.0	0 0 LG	*	1.266	224.043	-72.219	0.979431663	22.742	-49.478
177	8810 1	3121.68	-8 5.75	727.53	0.979228649	0.0	0 0 LG	*	1.218	225.317	-72.629	0.979431917	23.267	-49.361
178	8810 1	3121.60	-8 5.83	726.99	0.979228603	0.0	0 0 LG	*	1.220	225.149	-72.575	0.979431810	23.162	-49.413
179	8810 1	3121.55	-8 5.98	723.32	0.979229618	0.0	0 0 LG	*	1.237	224.017	-72.211	0.979431744	23.129	-49.082
180	8810 1	3121.68	-8 5.98	723.50	0.979229978	0.0	0 0 LG	*	1.202	224.074	-72.229	0.979431917	23.337	-48.892
181	8810 1	3121.63	-8 6.12	719.46	0.979231212	0.0	0 0 LG	*	1.229	222.827	-71.829	0.979431851	23.418	-48.411
182	8810 1	3121.70	-8 6.17	723.13	0.979230826	0.0	0 0 LG	*	1.261	223.959	-72.192	0.979431944	24.102	-48.090
183	8810 3	3122.31	-8 5.96	708.86	0.979236433	0.0	0 0 LG	*	1.161	219.555	-70.777	0.979432761	24.389	-46.388
184	8810 3	3122.26	-8 5.99	715.24	0.979234686	0.0	0 0 LG	*	1.214	221.523	-71.410	0.979432694	24.730	-46.680
185	8810 3	3122.20	-8 6.01	716.83	0.979233842	0.0	0 0 LG	*	1.178	222.014	-71.568	0.979432613	24.421	-47.147
186	8810 3	3122.15	-8 6.03	713.70	0.979234278	0.0	0 0 LG	*	1.144	221.049	-71.257	0.979432546	23.924	-47.333
187	8810 3	3122.10	-8 6.06	712.43	0.979234319	0.0	0 0 LG	*	1.151	220.657	-71.132	0.979432480	23.648	-47.484
188	8810 3	3122.06	-8 6.08	712.82	0.979233927	0.0	0 0 LG	*	1.152	220.779	-71.171	0.979432426	23.431	-47.739
189	8810 3	3121.96	-8 6.12	703.94	0.979235578	0.012	0 0 LG	*	1.252	218.037	-70.290	0.979432292	22.575	-47.715
190	8810 3	3121.91	-8 6.14	718.77	0.979232237	0.0	0 0 LG	*	1.198	222.612	-71.760	0.979432225	23.821	-47.938
191	8810 3	3121.86	-8 6.18	722.44	0.979231340	0.0	0 0 LG	*	1.212	223.746	-72.124	0.979432158	24.140	-47.984
192	8810 3	3121.81	-8 6.21	717.18	0.979232405	0.0	0 0 LG	*	1.188	222.123	-71.603	0.979432091	23.625	-47.978
193	8810 3	3121.75	-8 6.24	715.50	0.979232710	0.0	0 0 LG	*	1.211	221.603	-71.436	0.979432011	23.514	-47.922
194	8810 3	3121.70	-8 6.27	709.68	0.979233900	0.048	0 0 LG	*	1.258	219.810	-70.859	0.979431944	23.023	-47.836
195	8810 3	3121.65	-8 6.30	712.60	0.979233197	0.036	0 0 LG	*	1.410	220.710	-71.149	0.979431877	23.440	-47.709
196	8810 3	3121.60	-8 6.33	702.70	0.979235269	0.072	0 0 LG	*	1.342	217.655	-70.167	0.979431810	22.455	-47.712
197	8810 3	3121.55	-8 6.35	706.12	0.979234552	0.048	0 0 LG	*	1.343	218.711	-70.506	0.979431744	22.862	-47.644
198	8810 3	3121.50	-8 6.37	711.44	0.979233068	0.024	0 0 LG	*	1.329	220.352	-71.033	0.979431677	23.072	-47.961
199	8810 3	3121.78	-8 6.37	701.77	0.979236116	0.0	0 0 LG	*	1.230	217.369	-70.075	0.979432051	22.664	-47.411
200	8810 3	3121.69	-8 6.41	698.82	0.979236570	0.024	0 0 LG	*	1.297	216.457	-69.782	0.979431931	22.393	-47.389

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
								*						
201	8810 3	3121.85	-8 6.51	700.73	0.979237076	0.036	0 0 LG	*	1.288	217.046	-69.971	0.979432145	23.266	-46.706
202	8810 3	3121.89	-8 6.36	707.74	0.979234658	0.0	0 0 LG	*	1.215	219.211	-70.667	0.979432198	22.886	-47.781
203	8810 3	3122.00	-8 6.41	699.02	0.979237159	0.0	0 0 LG	*	1.212	216.519	-69.802	0.979432346	22.545	-47.257
204	8810 3	3122.09	-8 6.41	696.82	0.979238144	0.0	0 0 LG	*	1.228	215.840	-69.584	0.979432466	22.747	-46.837
205	8810 3	3122.08	-8 6.29	702.76	0.979236587	0.0	0 0 LG	*	1.161	217.675	-70.173	0.979432453	22.969	-47.204
206	8810 3	3121.97	-8 6.29	713.27	0.979233546	0.0	0 0 LG	*	1.186	220.915	-71.215	0.979432306	23.343	-47.872
207	8810 3	3121.81	-8 6.09	724.83	0.979230459	0.0	0 0 LG	*	1.218	224.483	-72.361	0.979432091	24.069	-48.291
208	8810 3	3121.77	-8 5.73	725.64	0.979229775	0.0	0 0 LG	*	1.215	224.733	-72.441	0.979432038	23.685	-48.756
209	8810 3	3121.89	-8 5.88	721.23	0.979231292	0.0	0 0 LG	*	1.175	223.372	-72.004	0.979432198	23.641	-48.363
210	8810 3	3121.95	-8 6.02	714.59	0.979233201	0.0	0 0 LG	*	1.167	221.324	-71.346	0.979432279	23.413	-47.933
211	8810 3	3122.05	-8 5.96	722.22	0.979232049	0.0	0 0 LG	*	1.174	223.677	-72.102	0.979432413	24.487	-47.614
212	8810 3	3122.18	-8 6.15	708.40	0.979235955	0.0	0 0 LG	*	1.151	219.414	-70.732	0.979432587	23.934	-46.798
213	8810 3	3122.26	-8 6.16	711.85	0.979236122	0.0	0 0 LG	*	1.240	220.480	-71.075	0.979432694	25.148	-45.927
214	8810 3	3122.29	-8 6.29	705.76	0.979237633	0.012	0 0 LG	*	1.268	218.599	-70.470	0.979432734	24.766	-45.704
215	8810 3	3122.21	-8 6.31	693.63	0.979239710	0.036	0 0 LG	*	1.213	214.856	-69.267	0.979432627	23.152	-46.116
216	8810 3	3122.36	-8 6.28	694.24	0.979240559	0.0	0 0 LG	*	1.160	215.045	-69.328	0.979432827	23.937	-45.391
217	8810 3	3122.12	-8 5.74	718.78	0.979233097	0.0	0 0 LG	*	1.178	222.616	-71.761	0.979432506	24.385	-47.376
218	8810 3	3122.31	-8 5.83	708.49	0.979237003	0.0	0 0 LG	*	1.166	219.442	-70.741	0.979432761	24.850	-45.891
219	8810 3	3122.52	-8 5.93	692.98	0.979240575	0.0	0 0 LG	*	1.159	214.656	-69.203	0.979433042	23.349	-45.854
220	8810 4	3120.39	-8 5.78	767.04	0.979212653	0.0	0 0 LG	*	1.466	237.504	-76.542	0.979430192	21.430	-55.111
221	8810 4	3120.51	-8 5.76	758.04	0.979215947	0.0	0 0 LG	*	1.420	234.727	-75.650	0.979430352	21.741	-53.909
222	8810 4	3120.62	-8 5.77	758.47	0.979216929	0.0	0 0 LG	*	1.387	234.862	-75.694	0.979430499	22.678	-53.015
223	8810 4	3120.76	-8 5.81	754.61	0.979218563	0.0	0 0 LG	*	1.354	233.670	-75.311	0.979430687	22.900	-52.411
224	8810 4	3120.87	-8 5.85	753.00	0.979219797	0.0	0 0 LG	*	1.378	233.172	-75.151	0.979430834	23.513	-51.638
225	8810 4	3120.95	-8 5.87	742.46	0.979223223	0.0	0 0 LG	*	1.329	229.922	-74.108	0.979430941	23.533	-50.574
226	8810 4	3121.06	-8 5.92	738.21	0.979224366	0.0	0 0 LG	*	1.307	228.609	-73.686	0.979431088	23.194	-50.492
227	8810 4	3121.19	-8 5.84	732.54	0.979226085	0.0	0 0 LG	*	1.322	226.861	-73.124	0.979431262	23.005	-50.119
228	8810 4	3120.75	-8 5.94	746.63	0.979220416	0.0	0 0 LG	*	1.348	231.207	-74.520	0.979430673	22.297	-52.223
229	8810 4	3120.46	-8 5.61	767.43	0.979213265	0.0	0 0 LG	*	1.502	237.625	-76.580	0.979430285	22.106	-54.474
230	8810 4	3120.42	-8 5.46	773.67	0.979211468	0.0	0 0 LG	*	1.541	239.549	-77.198	0.979430232	22.325	-54.873
231	8810 4	3120.56	-8 5.43	781.67	0.979211004	0.0	0 0 LG	*	1.589	242.017	-77.990	0.979430419	24.190	-53.800
232	8810 4	3120.59	-8 5.57	761.46	0.979215785	0.0	0 0 LG	*	1.473	235.783	-75.989	0.979430459	22.581	-53.408
233	8810 4	3120.71	-8 5.62	759.94	0.979217049	0.024	0 0 LG	*	1.451	235.313	-75.838	0.979430620	23.193	-52.645
234	8810 4	3120.80	-8 5.67	753.80	0.979219129	0.036	0 0 LG	*	1.429	233.419	-75.230	0.979430740	23.237	-51.993
235	8810 4	3120.92	-8 5.60	745.31	0.979222015	0.0	0 0 LG	*	1.430	230.802	-74.390	0.979430901	23.346	-51.044
236	8810 4	3120.96	-8 5.52	749.94	0.979220959	0.024	0 0 LG	*	1.477	232.230	-74.849	0.979430954	23.712	-51.136
237	8810 4	3120.93	-8 5.39	764.22	0.979217609	0.024	0 0 LG	*	1.456	236.635	-76.263	0.979430914	24.787	-51.476
238	8810 4	3120.86	-8 5.24	765.30	0.979216456	0.0	0 0 LG	*	1.511	236.968	-76.370	0.979430820	24.114	-52.256
239	8810 4	3120.68	-8 5.26	774.85	0.979213338	0.012	0 0 LG	*	1.540	239.913	-77.315	0.979430580	24.211	-53.104
240	8810 4	3120.75	-8 5.11	768.42	0.979215305	0.0	0 0 LG	*	1.671	237.929	-76.678	0.979430673	24.231	-52.447
241	8810 4	3120.80	-8 5.44	763.97	0.979216568	0.0	0 0 LG	*	1.563	236.556	-76.238	0.979430740	23.947	-52.290
242	8810 4	3120.42	-8 5.16	796.93	0.979206522	0.0	0 0 LG	*	1.678	246.724	-79.500	0.979430232	24.692	-54.808
243	8810 4	3120.55	-8 5.17	804.14	0.979205462	0.0	0 0 LG	*	1.990	248.951	-80.214	0.979430406	25.997	-54.217
244	8810 4	3120.53	-8 4.70	819.84	0.979201484	0.084	0 0 LG	*	1.946	253.794	-81.767	0.979430379	26.845	-54.922
245	8810 4	3120.63	-8 4.80	804.20	0.979205850	0.0	0 0 LG	*	1.672	248.967	-80.220	0.979430513	25.977	-54.243
246	8810 4	3120.71	-8 4.87	794.45	0.979208496	0.0	0 0 LG	*	1.616	245.961	-79.255	0.979430620	25.453	-53.802
247	8810 4	3120.78	-8 4.92	784.12	0.979211247	0.012	0 0 LG	*	1.620	242.774	-78.233	0.979430713	24.927	-53.306
248	8810 5	3121.41	-8 5.79	731.70	0.979226821	0.0	0 0 LG	*	1.270	226.601	-73.041	0.979431556	23.136	-49.905
249	8810 5	3121.36	-8 5.82	730.25	0.979227122	0.024	0 0 LG	*	1.305	226.154	-72.898	0.979431489	23.092	-49.806
250	8810 5	3121.30	-8 5.86	728.70	0.979227391	0.036	0 0 LG	*	1.325	225.677	-72.744	0.979431409	22.983	-49.761

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
251	8810 5	3121.26	-8 5.89	719.94	0.979229254	0.084	0 0 LG	*	1.522	222.975	-71.876	0.979431356	22.395	-49.481
252	8810 5	3121.21	-8 5.92	737.61	0.979225139	0.0	0 0 LG	*	1.330	228.427	-73.627	0.979431289	23.607	-50.020
253	8810 5	3121.17	-8 5.95	736.28	0.979225271	0.036	0 0 LG	*	1.330	228.014	-73.495	0.979431235	23.380	-50.115
254	8810 5	3121.12	-8 5.98	735.04	0.979225683	0.0	0 0 LG	*	1.299	227.634	-73.373	0.979431168	23.447	-49.925
255	8810 5	3121.07	-8 6.01	730.63	0.979226540	0.072	0 0 LG	*	1.395	226.272	-72.935	0.979431101	23.106	-49.830
256	8810 5	3121.03	-8 6.05	733.49	0.979224991	0.0	0 0 LG	*	1.310	227.155	-73.219	0.979431048	22.408	-50.811
257	8810 5	3120.98	-8 6.08	731.75	0.979224930	0.0	0 0 LG	*	1.324	226.619	-73.047	0.979430981	21.892	-51.155
258	8810 5	3120.94	-8 6.10	734.28	0.979224049	0.0	0 0 LG	*	1.324	227.399	-73.298	0.979430927	21.845	-51.452
259	8810 5	3121.13	-8 5.67	745.77	0.979222762	0.036	0 0 LG	*	1.396	230.943	-74.436	0.979431182	23.920	-50.516
260	8810 5	3120.97	-8 5.67	744.34	0.979222954	0.0	0 0 LG	*	1.377	230.501	-74.293	0.979430968	23.865	-50.429
261	8810 5	3121.28	-8 5.68	740.91	0.979224348	0.0	0 0 LG	*	1.324	229.442	-73.954	0.979431382	23.732	-50.221
262	8810 5	3121.33	-8 5.75	733.88	0.979226194	0.0	0 0 LG	*	1.303	227.273	-73.257	0.979431449	23.322	-49.935
263	8810 5	3121.35	-8 5.61	745.50	0.979223467	0.0	0 0 LG	*	1.310	230.859	-74.409	0.979431476	24.161	-50.248
264	8810 5	3121.45	-8 5.76	731.38	0.979227017	0.0	0 0 LG	*	1.267	226.505	-73.010	0.979431610	23.178	-49.832
265	8810 5	3121.50	-8 5.72	730.29	0.979227272	0.0	0 0 LG	*	1.262	226.168	-72.902	0.979431677	23.025	-49.877
266	8810 5	3121.55	-8 5.69	730.67	0.979227388	0.0	0 0 LG	*	1.253	226.285	-72.940	0.979431744	23.183	-49.756
267	8810 5	3121.59	-8 5.66	731.59	0.979227402	0.0	0 0 LG	*	1.249	226.568	-73.030	0.979431797	23.422	-49.609
268	8810 5	3121.64	-8 5.64	730.04	0.979226874	0.0	0 0 LG	*	1.242	226.091	-72.877	0.979431864	22.343	-50.534
269	8810 5	3121.69	-8 5.61	729.69	0.979228063	0.060	0 0 LG	*	1.303	225.982	-72.842	0.979431931	23.417	-49.426
270	8810 5	3121.74	-8 5.57	729.95	0.979228221	0.084	0 0 LG	*	1.324	226.062	-72.868	0.979431998	23.609	-49.259
271	8810 5	3121.78	-8 5.54	733.67	0.979227652	0.0	0 0 LG	*	1.244	227.209	-73.236	0.979432051	24.054	-49.183
272	8810 5	3121.82	-8 5.51	733.82	0.979227926	0.024	0 0 LG	*	1.256	227.256	-73.252	0.979432105	24.333	-48.918
273	8810 5	3121.88	-8 5.48	726.71	0.979229804	0.0	0 0 LG	*	1.253	225.064	-72.547	0.979432185	23.935	-48.612
274	8810 5	3121.53	-8 5.48	738.42	0.979225413	0.0	0 0 LG	*	1.316	228.676	-73.707	0.979431717	23.688	-50.020
275	8810 5	3121.66	-8 5.46	739.13	0.979225631	0.0	0 0 LG	*	1.276	228.895	-73.778	0.979431891	23.910	-49.867
276	8810 5	3122.11	-8 5.18	740.16	0.979228981	0.0	0 0 LG	*	1.264	229.211	-73.879	0.979432493	26.963	-46.917
277	8810 5	3122.25	-8 5.26	728.78	0.979231890	0.072	0 0 LG	*	1.311	225.701	-72.752	0.979432680	26.222	-46.530
278	8810 5	3122.20	-8 5.40	733.60	0.979231149	0.024	0 0 LG	*	1.292	227.188	-73.230	0.979432613	27.017	-46.213
279	8810 5	3122.23	-8 5.58	728.45	0.979232211	0.0	0 0 LG	*	1.249	225.598	-72.719	0.979432653	26.404	-46.315
280	8810 5	3122.07	-8 5.45	740.21	0.979228543	0.0	0 0 LG	*	1.350	229.227	-73.884	0.979432439	26.680	-47.204
281	8810 5	3122.09	-8 5.59	724.55	0.979231819	0.0	0 0 LG	*	1.233	224.397	-72.333	0.979432466	24.983	-47.350
282	8810 5	3121.92	-8 5.30	739.59	0.979227268	0.0	0 0 LG	*	1.252	229.037	-73.823	0.979432239	25.319	-48.504
283	8810 5	3121.98	-8 5.16	742.69	0.979227009	0.0	0 0 LG	*	1.260	229.993	-74.130	0.979432319	25.942	-48.188
284	8811 7	3123.47	-8 7.59	600.58	0.979264496	0.0	0 0 LG	*	1.012	186.151	-60.032	0.979434313	17.346	-42.686
285	8811 7	3123.24	-8 7.79	600.16	0.979264063	0.0	0 0 LG	*	1.056	186.021	-59.990	0.979434005	17.134	-42.855
286	8810 6	3122.14	-8 4.94	769.77	0.979221673	0.0	0 0 LG	*	1.372	238.347	-76.812	0.979432533	28.860	-47.953
287	8810 6	3122.09	-8 4.97	768.49	0.979221637	0.024	0 0 LG	*	1.328	237.951	-76.685	0.979432466	28.450	-48.236
288	8810 6	3122.05	-8 5.01	766.82	0.979221917	0.0	0 0 LG	*	1.359	237.437	-76.520	0.979432413	28.300	-48.220
289	8810 6	3121.99	-8 5.04	751.91	0.979224916	0.0	0 0 LG	*	1.291	232.837	-75.043	0.979432332	26.711	-48.332
290	8810 6	3121.95	-8 5.07	749.52	0.979225101	0.0	0 0 LG	*	1.297	232.100	-74.807	0.979432279	26.220	-48.587
291	8810 6	3121.90	-8 5.10	745.22	0.979225747	0.0	0 0 LG	*	1.302	230.773	-74.381	0.979432212	25.610	-48.771
292	8810 6	3121.86	-8 5.13	744.20	0.979225748	0.0	0 0 LG	*	1.279	230.460	-74.280	0.979432158	25.328	-48.952
293	8810 6	3121.81	-8 5.17	743.67	0.979225449	0.0	0 0 LG	*	1.273	230.295	-74.227	0.979432091	24.926	-49.302
294	8810 6	3121.74	-8 5.21	735.04	0.979227068	0.024	0 0 LG	*	1.394	227.632	-73.372	0.979431998	24.097	-49.275
295	8810 6	3121.69	-8 5.23	745.79	0.979224424	0.0	0 0 LG	*	1.311	230.949	-74.438	0.979431931	24.754	-49.684
296	8810 6	3121.65	-8 5.27	742.79	0.979224869	0.0	0 0 LG	*	1.296	230.023	-74.140	0.979431877	24.311	-49.829
297	8810 6	3121.61	-8 5.29	740.64	0.979225103	0.0	0 0 LG	*	1.306	229.359	-73.927	0.979431824	23.944	-49.983
298	8810 6	3121.52	-8 5.35	741.89	0.979224639	0.0	0 0 LG	*	1.318	229.745	-74.051	0.979431703	23.998	-50.052
299	8810 6	3121.47	-8 5.38	742.12	0.979224360	0.084	0 0 LG	*	1.415	229.816	-74.074	0.979431637	23.954	-50.119
300	8810 6	3121.43	-8 5.41	743.61	0.979223902	0.0	0 0 LG	*	1.338	230.277	-74.221	0.979431583	23.934	-50.288

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
301	8810 6	3121.38	-8 5.45	746.82	0.979223069	0.0	0 0 LG	*	1.336	231.268	-74.540	0.979431516	24.157	-50.383
302	8810 6	3121.33	-8 5.48	750.10	0.979222226	0.012	0 0 LG	*	1.353	232.278	-74.864	0.979431449	24.408	-50.456
303	8810 6	3121.29	-8 5.51	751.63	0.979221692	0.0	0 0 LG	*	1.352	232.750	-75.016	0.979431396	24.398	-50.617
304	8810 6	3121.24	-8 5.53	748.73	0.979222216	0.0	0 0 LG	*	1.388	231.855	-74.728	0.979431329	24.130	-50.599
305	8810 6	3121.20	-8 5.57	753.31	0.979221051	0.060	0 0 LG	*	1.450	233.270	-75.183	0.979431275	24.496	-50.687
306	8810 6	3121.26	-8 5.38	764.52	0.979218819	0.0	0 0 LG	*	1.432	236.729	-76.293	0.979431356	25.624	-50.669
307	8810 6	3121.20	-8 5.27	767.13	0.979217826	0.0	0 0 LG	*	1.480	237.531	-76.551	0.979431275	25.562	-50.988
308	8810 6	3121.34	-8 5.33	750.32	0.979222020	0.0	0 0 LG	*	1.376	232.347	-74.886	0.979431463	24.281	-50.605
309	8810 6	3121.01	-8 5.51	755.36	0.979220136	0.012	0 0 LG	*	1.424	233.902	-75.385	0.979431021	24.441	-50.944
310	8810 6	3120.86	-8 5.61	754.12	0.979219756	0.0	0 0 LG	*	1.410	233.517	-75.262	0.979430820	23.863	-51.399
311	8810 6	3120.72	-8 5.70	744.71	0.979220346	0.108	0 0 LG	*	1.648	230.615	-74.330	0.979430633	21.976	-52.354
312	8810 6	3120.67	-8 5.73	756.71	0.979217505	0.024	0 0 LG	*	1.413	234.318	-75.519	0.979430566	22.670	-52.849
313	8810 6	3120.58	-8 5.80	759.42	0.979216244	0.0	0 0 LG	*	1.396	235.153	-75.787	0.979430446	22.348	-53.440
314	8810 6	3120.53	-8 5.83	757.17	0.979216392	0.012	0 0 LG	*	1.416	234.460	-75.565	0.979430379	21.889	-53.675
315	8810 6	3120.49	-8 5.86	746.52	0.979218216	0.132	0 0 LG	*	1.733	231.174	-74.510	0.979430326	20.797	-53.712
316	8810 6	3120.44	-8 5.89	758.05	0.979215340	0.0	0 0 LG	*	1.429	234.730	-75.651	0.979430259	21.240	-54.411
317	8810 6	3120.39	-8 5.92	767.26	0.979212906	0.0	0 0 LG	*	1.433	237.574	-76.564	0.979430192	21.721	-54.843
318	8810 6	3120.35	-8 5.96	766.49	0.979212733	0.024	0 0 LG	*	1.487	237.334	-76.487	0.979430138	21.415	-55.072
319	8810 6	3120.30	-8 5.98	764.80	0.979212571	0.024	0 0 LG	*	1.575	236.813	-76.320	0.979430071	20.887	-55.433
320	8810 6	3120.64	-8 5.92	748.38	0.979219095	0.0	0 0 LG	*	1.377	231.747	-74.694	0.979430526	21.693	-53.001
321	8810 6	3120.55	-8 5.65	763.29	0.979215042	0.0	0 0 LG	*	1.443	236.349	-76.171	0.979430406	22.429	-53.743
322	8810 7	3121.52	-8 5.22	745.37	0.979223732	0.0	0 0 LG	*	1.350	230.820	-74.396	0.979431703	24.199	-50.197
323	8810 7	3121.44	-8 5.26	749.19	0.979222881	0.0	0 0 LG	*	1.351	231.997	-74.774	0.979431596	24.632	-50.142
324	8810 7	3121.57	-8 5.09	768.00	0.979218838	0.024	0 0 LG	*	1.562	237.801	-76.637	0.979431770	26.431	-50.206
325	8810 7	3121.46	-8 5.03	775.13	0.979216966	0.024	0 0 LG	*	1.577	240.000	-77.343	0.979431623	26.920	-50.423
326	8810 7	3121.23	-8 4.91	789.45	0.979212613	0.036	0 0 LG	*	1.574	244.420	-78.761	0.979431315	27.292	-51.469
327	8810 7	3121.13	-8 4.86	797.15	0.979211038	0.0	0 0 LG	*	1.527	246.794	-79.523	0.979431182	28.178	-51.345
328	8810 7	3121.04	-8 4.84	796.21	0.979209939	0.0	0 0 LG	*	1.523	246.505	-79.430	0.979431061	26.907	-52.523
329	8810 7	3121.12	-8 5.05	785.20	0.979213239	0.012	0 0 LG	*	1.548	243.107	-78.340	0.979431168	26.725	-51.614
330	8810 7	3121.30	-8 5.12	764.49	0.979218858	0.0	0 0 LG	*	1.457	236.719	-76.290	0.979431409	25.625	-50.665
331	8810 7	3120.92	-8 4.96	798.31	0.979208836	0.0	0 0 LG	*	1.613	247.152	-79.637	0.979430901	26.700	-52.937
332	8810 7	3120.95	-8 5.11	790.43	0.979211238	0.0	0 0 LG	*	1.570	244.719	-78.857	0.979430941	26.586	-52.271
333	8810 7	3120.97	-8 5.22	789.96	0.979211645	0.036	0 0 LG	*	1.759	244.577	-78.811	0.979430968	27.014	-51.798
334	8810 7	3121.06	-8 5.36	778.36	0.979214899	0.036	0 0 LG	*	1.514	240.998	-77.663	0.979431088	26.323	-51.340
335	8810 7	3121.13	-8 5.41	791.12	0.979212078	0.180	0 0 LG	*	2.074	244.933	-78.926	0.979431182	27.904	-51.022
336	8810 7	3120.86	-8 4.76	803.09	0.979207142	0.024	0 0 LG	*	1.591	248.625	-80.110	0.979430820	26.538	-53.572
337	8810 7	3120.70	-8 4.57	837.70	0.979198230	0.024	0 0 LG	*	2.020	259.303	-83.533	0.979430606	28.946	-54.587
338	8810 7	3120.56	-8 4.50	840.14	0.979197054	0.048	0 0 LG	*	1.971	260.057	-83.775	0.979430419	28.663	-55.112
339	8810 7	3120.47	-8 4.40	855.29	0.979193161	0.0	0 0 LG	*	2.046	264.730	-85.272	0.979430299	29.638	-55.634
340	8810 7	3120.78	-8 4.52	831.59	0.979200015	0.024	0 0 LG	*	1.853	257.418	-82.929	0.979430713	28.573	-54.356
341	8810 7	3120.89	-8 4.53	818.50	0.979203607	0.012	0 0 LG	*	1.658	253.380	-81.635	0.979430861	27.785	-53.850
342	8810 7	3120.99	-8 4.64	800.73	0.979208095	0.024	0 0 LG	*	1.580	247.899	-79.877	0.979430994	26.580	-53.297
343	8810 7	3121.07	-8 4.60	802.87	0.979208104	0.0	0 0 LG	*	1.521	248.559	-80.089	0.979431101	27.082	-53.007
344	8810 7	3121.19	-8 4.63	801.47	0.979209360	0.0	0 0 LG	*	1.538	248.126	-79.950	0.979431262	27.761	-52.188
345	8810 7	3121.22	-8 4.72	793.95	0.979211221	0.0	0 0 LG	*	1.587	245.806	-79.206	0.979431302	27.311	-51.894
346	8810 7	3121.30	-8 4.68	790.53	0.979212751	0.0	0 0 LG	*	1.446	244.751	-78.867	0.979431409	27.540	-51.327
347	8810 7	3121.67	-8 4.83	761.88	0.979221251	0.048	0 0 LG	*	1.401	235.914	-76.031	0.979431904	26.663	-49.369
348	8810 7	3121.51	-8 4.83	782.15	0.979215848	0.0	0 0 LG	*	1.560	242.165	-78.038	0.979431690	27.883	-50.154
349	8810 7	3121.57	-8 4.75	783.50	0.979215630	0.0	0 0 LG	*	1.604	242.583	-78.172	0.979431770	28.047	-50.124
350	8810 7	3121.40	-8 4.75	786.59	0.979214157	0.0	0 0 LG	*	1.451	243.537	-78.478	0.979431543	27.602	-50.875

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
351	8810 7	3121.67	-8 5.03	748.13	0.979223992	0.0	0 0 LG	*	1.364	231.672	-74.669	0.979431904	25.123	-49.546
352	8810 7	3121.81	-8 4.99	757.51	0.979222879	0.0	0 0 LG	*	1.323	234.564	-75.598	0.979432091	26.675	-48.923
353	8810 7	3121.95	-8 4.94	774.37	0.979219703	0.024	0 0 LG	*	1.382	239.767	-77.268	0.979432279	28.573	-48.695
354	8810 7	3121.87	-8 4.75	777.57	0.979218775	0.048	0 0 LG	*	1.377	240.754	-77.585	0.979432172	28.734	-48.851
355	881010	3121.95	-8 4.74	776.09	0.979219307	0.0	0 0 LG	*	1.336	240.298	-77.438	0.979432279	28.662	-48.776
356	881010	3121.77	-8 4.64	780.74	0.979217320	0.048	0 0 LG	*	1.412	241.732	-77.898	0.979432038	28.426	-49.473
357	881010	3121.67	-8 4.50	785.89	0.979215212	0.0	0 0 LG	*	1.397	243.319	-78.408	0.979431904	28.024	-50.384
358	881010	3121.55	-8 4.37	798.96	0.979211457	0.072	0 0 LG	*	1.555	247.353	-79.702	0.979431744	28.621	-51.081
359	881010	3121.47	-8 4.24	817.22	0.979206691	0.0	0 0 LG	*	1.714	252.984	-81.508	0.979431637	29.752	-51.756
360	881010	3121.37	-8 4.08	825.62	0.979204199	0.048	0 0 LG	*	1.689	255.575	-82.339	0.979431503	29.961	-52.378
361	881010	3121.31	-8 3.96	828.52	0.979203405	0.024	0 0 LG	*	1.615	256.472	-82.626	0.979431422	30.069	-52.557
362	881010	3121.24	-8 3.77	836.37	0.979201818	0.012	0 0 LG	*	1.633	258.894	-83.402	0.979431329	31.016	-52.386
363	881010	3121.14	-8 3.62	844.47	0.979199555	0.0	0 0 LG	*	1.661	261.393	-84.203	0.979431195	31.414	-52.789
364	881010	3121.28	-8 3.59	843.68	0.979200781	0.0	0 0 LG	*	1.629	261.147	-84.124	0.979431382	32.175	-51.949
365	881010	3121.03	-8 3.49	855.90	0.979196432	0.0	0 0 LG	*	1.780	264.919	-85.333	0.979431048	32.082	-53.251
366	881010	3120.91	-8 3.36	865.81	0.979193888	0.0	0 0 LG	*	1.922	267.975	-86.312	0.979430887	32.898	-53.414
367	881010	3120.82	-8 3.21	875.81	0.979191365	0.012	0 0 LG	*	2.199	271.062	-87.301	0.979430767	33.859	-53.441
368	881010	3120.70	-8 3.11	902.67	0.979184577	0.0	0 0 LG	*	2.469	279.348	-89.954	0.979430606	35.788	-54.166
369	881010	3120.92	-8 3.08	873.19	0.979192255	0.0	0 0 LG	*	2.159	270.253	-87.041	0.979430901	33.766	-53.276
370	881010	3121.01	-8 3.22	860.11	0.979195770	0.0	0 0 LG	*	1.985	266.216	-85.748	0.979431021	32.950	-52.799
371	881010	3121.16	-8 3.28	844.62	0.979199700	0.0	0 0 LG	*	1.851	261.438	-84.218	0.979431222	31.766	-52.451
372	881010	3121.27	-8 3.31	847.98	0.979199659	0.012	0 0 LG	*	1.702	262.476	-84.550	0.979431369	32.468	-52.082
373	881010	3121.27	-8 3.11	847.60	0.979199101	0.012	0 0 LG	*	1.821	262.357	-84.512	0.979431369	31.910	-52.602
374	881010	3121.33	-8 2.98	856.59	0.979197133	0.024	0 0 LG	*	1.823	265.131	-85.401	0.979431449	32.637	-52.764
375	881010	3121.44	-8 3.11	846.08	0.979200435	0.0	0 0 LG	*	1.661	261.888	-84.362	0.979431596	32.388	-51.974
376	881010	3121.56	-8 3.22	836.09	0.979203551	0.0	0 0 LG	*	1.585	258.807	-83.374	0.979431757	32.185	-51.189
377	881010	3121.44	-8 3.44	843.58	0.979202022	0.024	0 0 LG	*	1.576	261.116	-84.114	0.979431596	33.117	-50.997
378	881010	3121.58	-8 3.55	835.92	0.979204599	0.0	0 0 LG	*	1.524	258.754	-83.357	0.979431784	33.093	-50.264
379	881010	3121.78	-8 3.78	824.33	0.979207506	0.0	0 0 LG	*	1.515	255.178	-82.211	0.979432051	32.148	-50.063
380	881010	3121.97	-8 3.92	812.98	0.979210408	0.024	0 0 LG	*	1.542	251.677	-81.088	0.979432306	31.321	-49.767
381	881010	3122.10	-8 4.03	805.27	0.979212502	0.0	0 0 LG	*	1.594	249.300	-80.326	0.979432480	30.917	-49.409
382	881010	3121.74	-8 3.94	820.22	0.979207647	0.012	0 0 LG	*	1.601	253.910	-81.805	0.979431998	31.161	-50.644
383	881010	3121.93	-8 4.10	812.83	0.979209930	0.0	0 0 LG	*	1.690	251.632	-81.074	0.979432252	31.000	-50.075
384	881010	3122.05	-8 4.19	790.40	0.979215717	0.0	0 0 LG	*	1.341	244.713	-78.855	0.979432413	29.358	-49.496
385	881010	3122.13	-8 4.30	777.30	0.979218998	0.0	0 0 LG	*	1.274	240.669	-77.557	0.979432520	28.421	-49.136
386	881010	3122.24	-8 4.44	773.04	0.979220470	0.0	0 0 LG	*	1.230	239.356	-77.136	0.979432667	28.389	-48.747
387	881010	3122.27	-8 4.27	780.96	0.979218589	0.0	0 0 LG	*	1.288	241.800	-77.920	0.979432707	28.969	-48.951
388	881010	3121.85	-8 4.03	816.92	0.979208667	0.012	0 0 LG	*	1.615	252.891	-81.478	0.979432145	31.028	-50.450
389	881012	3120.50	-8 5.11	783.91	0.979209615	0.024	0 0 LG	*	1.749	242.710	-78.212	0.979430339	23.735	-54.477
390	881012	3120.53	-8 5.08	778.77	0.979210968	0.0	0 0 LG	*	1.762	241.125	-77.704	0.979430379	23.476	-54.228
391	881012	3120.58	-8 5.04	785.05	0.979210006	0.036	0 0 LG	*	1.707	243.061	-78.325	0.979430446	24.329	-53.996
392	881012	3120.63	-8 5.03	786.70	0.979209995	0.048	0 0 LG	*	1.716	243.570	-78.488	0.979430513	24.767	-53.721
393	881012	3120.68	-8 4.98	798.47	0.979207724	0.072	0 0 LG	*	1.727	247.200	-79.653	0.979430580	26.072	-53.581
394	881012	3120.73	-8 4.94	775.09	0.979212902	0.072	0 0 LG	*	1.962	239.989	-77.339	0.979430647	24.206	-53.133
395	881012	3120.83	-8 4.89	785.79	0.979210976	0.084	0 0 LG	*	1.691	243.288	-78.398	0.979430780	25.175	-53.223
396	881012	3120.87	-8 4.85	799.54	0.979208209	0.024	0 0 LG	*	1.605	247.530	-79.759	0.979430834	26.509	-53.249
397	881012	3120.92	-8 4.82	803.14	0.979207638	0.0	0 0 LG	*	1.579	248.640	-80.115	0.979430901	26.957	-53.158
398	881012	3120.97	-8 4.79	799.64	0.979208630	0.084	0 0 LG	*	1.624	247.561	-79.769	0.979430968	26.847	-52.921
399	881012	3121.02	-8 4.75	778.50	0.979213477	0.024	0 0 LG	*	1.862	241.041	-77.677	0.979431034	25.345	-52.331
400	881012	3121.06	-8 4.72	782.29	0.979212846	0.036	0 0 LG	*	1.717	242.209	-78.052	0.979431088	25.685	-52.367

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
401	881012	3121.10	-8 4.70	793.92	0.979210478	0.024	0 0 LG	*	1.530	245.796	-79.202	0.979431141	26.663	-52.539
402	881012	3121.15	-8 4.66	792.40	0.979211077	0.120	0 0 LG	*	1.621	245.327	-79.052	0.979431208	26.817	-52.235
403	881012	3121.24	-8 4.60	792.93	0.979211580	0.048	0 0 LG	*	1.516	245.493	-79.105	0.979431329	27.260	-51.845
404	881012	3121.29	-8 4.57	780.72	0.979214459	0.0	0 0 LG	*	1.602	241.726	-77.897	0.979431396	26.391	-51.506
405	881012	3121.33	-8 4.54	788.59	0.979213025	0.084	0 0 LG	*	1.550	244.154	-78.676	0.979431449	27.280	-51.396
406	881012	3121.38	-8 4.51	791.28	0.979212665	0.072	0 0 LG	*	1.524	244.982	-78.941	0.979431516	27.656	-51.286
407	881012	3121.42	-8 4.48	780.47	0.979215162	0.048	0 0 LG	*	1.575	241.647	-77.871	0.979431570	26.815	-51.056
408	881012	3121.44	-8 4.57	785.94	0.979214232	0.0	0 0 LG	*	1.427	243.334	-78.413	0.979431596	27.397	-51.016
409	881012	3121.56	-8 4.59	781.72	0.979215505	0.0	0 0 LG	*	1.434	242.035	-77.996	0.979431757	27.218	-50.778
410	881012	3121.26	-8 4.44	803.30	0.979209493	0.0	0 0 LG	*	1.522	248.690	-80.131	0.979431356	28.350	-51.781
411	881013	3121.11	-8 4.48	795.22	0.979210017	0.0	0 0 LG	*	1.624	246.199	-79.332	0.979431155	26.686	-52.646
412	881013	3121.06	-8 4.51	795.84	0.979209515	0.024	0 0 LG	*	1.614	246.390	-79.393	0.979431088	26.430	-52.963
413	881013	3121.01	-8 4.54	807.44	0.979206729	0.036	0 0 LG	*	1.613	249.968	-80.541	0.979431021	27.289	-53.251
414	881013	3120.96	-8 4.57	807.93	0.979206520	0.048	0 0 LG	*	1.607	250.119	-80.589	0.979430954	27.293	-53.297
415	881013	3120.91	-8 4.61	796.13	0.979208853	0.072	0 0 LG	*	1.795	246.480	-79.422	0.979430887	26.241	-53.181
416	881013	3120.86	-8 4.64	806.35	0.979206404	0.036	0 0 LG	*	1.611	249.633	-80.433	0.979430820	26.827	-53.606
417	881013	3120.81	-8 4.68	814.32	0.979204410	0.036	0 0 LG	*	1.676	252.092	-81.222	0.979430754	27.425	-53.797
418	881013	3120.76	-8 4.71	803.36	0.979206643	0.072	0 0 LG	*	1.700	248.709	-80.137	0.979430687	26.366	-53.771
419	881013	3120.71	-8 4.74	797.02	0.979207879	0.012	0 0 LG	*	1.684	246.753	-79.509	0.979430620	25.696	-53.814
420	881013	3120.67	-8 4.77	787.78	0.979209583	0.024	0 0 LG	*	1.866	243.902	-78.595	0.979430566	24.786	-53.809
421	881013	3120.58	-8 4.84	788.12	0.979209012	0.024	0 0 LG	*	1.874	244.008	-78.629	0.979430446	24.449	-54.180
422	881013	3120.54	-8 4.87	798.55	0.979206608	0.036	0 0 LG	*	1.710	247.226	-79.661	0.979430392	25.152	-54.509
423	881013	3120.49	-8 4.91	809.98	0.979203916	0.0	0 0 LG	*	1.684	250.751	-80.792	0.979430326	26.025	-54.766
424	881013	3120.57	-8 4.92	809.74	0.979204463	0.0	0 0 LG	*	1.752	250.678	-80.768	0.979430433	26.459	-54.309
425	881013	3120.45	-8 4.93	811.31	0.979203833	0.084	0 0 LG	*	1.791	251.161	-80.923	0.979430272	26.512	-54.411
426	881013	3120.39	-8 4.95	811.48	0.979203408	0.072	0 0 LG	*	1.831	251.213	-80.940	0.979430192	26.261	-54.679
427	881012	3120.53	-8 3.77	868.37	0.979190851	0.012	0 0 LG	*	2.036	268.765	-86.565	0.979430379	31.274	-55.291
428	881012	3120.62	-8 3.97	849.85	0.979195053	0.024	0 0 LG	*	1.864	263.051	-84.734	0.979430499	29.469	-55.266
429	881012	3120.72	-8 4.11	848.77	0.979195852	0.012	0 0 LG	*	1.808	262.719	-84.628	0.979430633	29.745	-54.883
430	881012	3120.81	-8 4.18	843.12	0.979197559	0.0	0 0 LG	*	1.834	260.975	-84.069	0.979430754	29.614	-54.455
431	881012	3120.95	-8 4.42	820.98	0.979203072	0.012	0 0 LG	*	1.679	254.146	-81.880	0.979430941	27.956	-53.924
432	881012	3120.86	-8 4.36	832.10	0.979200198	0.012	0 0 LG	*	1.844	257.577	-82.980	0.979430820	28.798	-54.182
433	881012	3120.75	-8 4.28	833.72	0.979199254	0.012	0 0 LG	*	1.738	258.076	-83.140	0.979430673	28.394	-54.746
434	881012	3120.64	-8 4.33	848.74	0.979195651	0.036	0 0 LG	*	1.828	262.710	-84.625	0.979430526	29.662	-54.963
435	881012	3120.51	-8 4.16	862.18	0.979192109	0.0	0 0 LG	*	1.883	266.855	-85.953	0.979430352	30.495	-55.458
436	881013	3121.08	-8 4.40	820.41	0.979204202	0.012	0 0 LG	*	1.773	253.971	-81.824	0.979431115	28.831	-52.993
437	881013	3121.02	-8 4.31	823.55	0.979202848	0.024	0 0 LG	*	1.676	254.938	-82.134	0.979431034	28.427	-53.707
438	881013	3120.96	-8 4.13	841.31	0.979198946	0.024	0 0 LG	*	1.720	260.418	-83.891	0.979430954	30.130	-53.761
439	881013	3121.13	-8 4.25	828.35	0.979202723	0.048	0 0 LG	*	1.739	256.420	-82.609	0.979431182	29.701	-52.908
440	881013	3120.87	-8 4.01	846.78	0.979197316	0.012	0 0 LG	*	1.723	262.106	-84.431	0.979430834	30.311	-54.120
441	881013	3120.72	-8 3.88	858.26	0.979194128	0.0	0 0 LG	*	1.809	265.647	-85.566	0.979430633	30.950	-54.616
442	881013	3120.63	-8 3.73	869.39	0.979191161	0.0	0 0 LG	*	1.949	269.080	-86.666	0.979430513	31.677	-54.989
443	881013	3120.59	-8 3.51	887.60	0.979187164	0.024	0 0 LG	*	2.194	274.698	-88.465	0.979430459	33.597	-54.868
444	881013	3120.77	-8 3.71	864.37	0.979193019	0.0	0 0 LG	*	1.857	267.531	-86.170	0.979430700	31.706	-54.463
445	881013	3120.94	-8 3.81	851.90	0.979196388	0.024	0 0 LG	*	1.887	263.684	-84.937	0.979430927	31.031	-53.906
446	881013	3120.66	-8 3.37	887.52	0.979187735	0.0	0 0 LG	*	2.188	274.672	-88.457	0.979430553	34.043	-54.414
447	881013	3120.83	-8 3.46	867.99	0.979192829	0.0	0 0 LG	*	1.949	268.647	-86.527	0.979430780	32.645	-53.882
448	881013	3120.95	-8 3.56	859.55	0.979195045	0.0	0 0 LG	*	1.864	266.046	-85.694	0.979430941	32.014	-53.680
449	881013	3121.02	-8 3.69	847.22	0.979197979	0.024	0 0 LG	*	1.796	262.241	-84.475	0.979431034	30.982	-53.493
450	881013	3121.10	-8 3.85	838.87	0.979200274	0.048	0 0 LG	*	1.763	259.663	-83.649	0.979431141	30.559	-53.090

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
451	881013	3121.16	-8 4.02	826.42	0.979203030	0.024	0 0 LG	*	1.664	255.824	-82.418	0.979431222	29.296	-53.122
452	881013	3121.27	-8 4.20	798.78	0.979209637	0.048	0 0 LG	*	1.661	247.297	-79.684	0.979431369	27.225	-52.459
453	881013	3121.43	-8 3.87	827.23	0.979204393	0.012	0 0 LG	*	1.572	256.074	-82.498	0.979431583	30.456	-52.043
454	881013	3121.57	-8 4.15	802.74	0.979210221	0.024	0 0 LG	*	1.545	248.517	-80.075	0.979431770	28.513	-51.563
455	881013	3121.76	-8 4.24	804.58	0.979210981	0.024	0 0 LG	*	1.496	249.087	-80.258	0.979432025	29.540	-50.718
456	881013	3121.87	-8 4.35	797.58	0.979213028	0.012	0 0 LG	*	1.684	246.926	-79.565	0.979432172	29.466	-50.099
457	881013	3122.00	-8 4.50	779.46	0.979218209	0.0	0 0 LG	*	1.351	241.337	-77.772	0.979432346	28.552	-49.220
458	881013	3122.10	-8 4.69	771.08	0.979220883	0.036	0 0 LG	*	1.579	238.750	-76.942	0.979432480	28.733	-48.209
459	881013	3121.61	-8 3.94	821.02	0.979206576	0.0	0 0 LG	*	1.579	254.158	-81.884	0.979431824	30.488	-51.396
460	881013	3121.54	-8 3.77	830.82	0.979204507	0.0	0 0 LG	*	1.542	257.181	-82.853	0.979431730	31.499	-51.354
461	881013	3121.43	-8 3.64	835.77	0.979202543	0.012	0 0 LG	*	1.543	258.709	-83.343	0.979431583	31.213	-52.130
462	881014	3123.19	-8 7.64	600.25	0.979263666	0.024	0 0 LG	*	1.098	186.050	-59.999	0.979433938	16.875	-43.124
463	881014	3123.09	-8 7.66	605.26	0.979262407	0.012	0 0 LG	*	1.070	187.594	-60.496	0.979433805	17.267	-43.229
464	881014	3123.00	-8 7.69	605.99	0.979262185	0.012	0 0 LG	*	1.088	187.820	-60.569	0.979433684	17.409	-43.160
465	881014	3122.87	-8 7.72	607.54	0.979261539	0.012	0 0 LG	*	1.130	188.299	-60.723	0.979433510	17.457	-43.266
466	881014	3122.76	-8 7.73	607.04	0.979261213	0.108	0 0 LG	*	1.290	188.146	-60.674	0.979433363	17.286	-43.388
467	881014	3122.64	-8 7.73	609.44	0.979260412	0.036	0 0 LG	*	1.238	188.884	-60.912	0.979433202	17.332	-43.580
468	881014	3122.53	-8 7.72	613.31	0.979258996	0.012	0 0 LG	*	1.186	190.078	-61.296	0.979433055	17.205	-44.091
469	881015	3123.41	-8 7.19	616.25	0.979260910	0.0	0 0 LG	*	0.994	190.985	-61.588	0.979434233	18.657	-42.931
470	881015	3123.35	-8 7.19	616.91	0.979260396	0.0	0 0 LG	*	1.000	191.188	-61.653	0.979434153	18.431	-43.222
471	881015	3123.30	-8 7.19	618.69	0.979259726	0.0	0 0 LG	*	1.007	191.737	-61.830	0.979434086	18.384	-43.446
472	881015	3123.24	-8 7.19	623.95	0.979258383	0.0	0 0 LG	*	1.011	193.362	-62.353	0.979434005	18.750	-43.603
473	881015	3123.19	-8 7.18	624.72	0.979258035	0.036	0 0 LG	*	1.054	193.599	-62.429	0.979433938	18.749	-43.681
474	881015	3123.15	-8 7.18	621.29	0.979258548	0.012	0 0 LG	*	1.054	192.540	-62.089	0.979433885	18.257	-43.832
475	881015	3123.08	-8 7.18	628.98	0.979256617	0.036	0 0 LG	*	1.062	194.914	-62.853	0.979433791	18.802	-44.051
476	881015	3123.03	-8 7.17	636.20	0.979254854	0.0	0 0 LG	*	1.058	197.139	-63.569	0.979433724	19.328	-44.241
477	881015	3122.97	-8 7.17	629.74	0.979255882	0.024	0 0 LG	*	1.105	195.148	-62.928	0.979433644	18.491	-44.437
478	881015	3122.92	-8 7.16	635.53	0.979254488	0.024	0 0 LG	*	1.058	196.932	-63.502	0.979433577	18.902	-44.601
479	881015	3122.86	-8 7.16	644.51	0.979252428	0.012	0 0 LG	*	1.064	199.705	-64.395	0.979433497	19.700	-44.694
480	881015	3122.81	-8 7.15	640.67	0.979253010	0.0	0 0 LG	*	1.043	198.518	-64.013	0.979433430	19.141	-44.872
481	881015	3122.75	-8 7.16	636.70	0.979253556	0.024	0 0 LG	*	1.165	197.294	-63.619	0.979433349	18.667	-44.952
482	881015	3122.70	-8 7.16	645.26	0.979251722	0.024	0 0 LG	*	1.077	199.934	-64.468	0.979433283	19.450	-45.018
483	881015	3122.65	-8 7.16	650.87	0.979250395	0.060	0 0 LG	*	1.103	201.667	-65.026	0.979433216	19.949	-45.076
484	881015	3122.52	-8 7.12	665.34	0.979246951	0.0	0 0 LG	*	1.180	206.131	-66.462	0.979433042	21.220	-45.242
485	881015	3122.46	-8 7.14	666.35	0.979246423	0.012	0 0 LG	*	1.186	206.442	-66.562	0.979432961	21.089	-45.473
486	881015	3122.48	-8 7.26	659.02	0.979248187	0.0	0 0 LG	*	1.168	204.180	-65.834	0.979432988	20.547	-45.287
487	881015	3122.57	-8 7.35	638.89	0.979253353	0.012	0 0 LG	*	1.107	197.970	-63.836	0.979433109	19.321	-44.515
488	881015	3122.67	-8 7.30	653.25	0.979250295	0.012	0 0 LG	*	1.124	202.401	-65.262	0.979433242	20.578	-44.684
489	881015	3122.77	-8 7.25	633.68	0.979254472	0.012	0 0 LG	*	1.125	196.362	-63.319	0.979433376	18.584	-44.735
490	881015	3122.72	-8 7.51	631.48	0.979255756	0.024	0 0 LG	*	1.102	195.684	-63.101	0.979433309	19.233	-43.868
491	881015	3122.78	-8 7.61	621.61	0.979258138	0.012	0 0 LG	*	1.100	192.639	-62.121	0.979433390	18.488	-43.633
492	881015	3122.87	-8 7.56	619.87	0.979258589	0.024	0 0 LG	*	1.104	192.103	-61.948	0.979433510	18.287	-43.661
493	881015	3122.83	-8 7.39	631.53	0.979255447	0.036	0 0 LG	*	1.074	195.700	-63.106	0.979433457	18.765	-44.341
494	881015	3122.38	-8 7.06	674.03	0.979244373	0.024	0 0 LG	*	1.234	208.810	-67.323	0.979432854	21.563	-45.761
495	881015	3122.39	-8 6.91	678.70	0.979243519	0.0	0 0 LG	*	1.232	210.251	-67.787	0.979432868	22.135	-45.652
496	881015	3122.27	-8 6.83	679.31	0.979242736	0.024	0 0 LG	*	1.165	210.440	-67.847	0.979432707	21.634	-46.213
497	881015	3122.15	-8 6.76	688.80	0.979240692	0.0	0 0 LG	*	1.161	213.368	-68.789	0.979432546	22.674	-46.115
498	881015	3122.10	-8 6.67	696.73	0.979238596	0.0	0 0 LG	*	1.211	215.813	-69.575	0.979432480	23.140	-46.434
499	881015	3122.18	-8 6.63	701.59	0.979237511	0.048	0 0 LG	*	1.470	217.312	-70.057	0.979432587	23.707	-46.350
500	881015	3122.49	-8 6.92	670.61	0.979245695	0.0	0 0 LG	*	1.158	207.756	-66.985	0.979433001	21.608	-45.377

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
								*						
501	881017	3122.59	-8 6.92	655.93	0.979249039	0.0	0 0 LG	*	1.076	203.225	-65.527	0.979433135	20.205	-45.322
502	881017	3122.71	-8 6.96	657.57	0.979248844	0.0	0 0 LG	*	1.144	203.732	-65.690	0.979433296	20.424	-45.266
503	881017	3122.84	-8 6.99	644.43	0.979252161	0.012	0 0 LG	*	1.064	199.679	-64.386	0.979433470	19.434	-44.952
504	881017	3122.94	-8 7.04	645.76	0.979252191	0.012	0 0 LG	*	1.122	200.089	-64.518	0.979433604	19.797	-44.721
505	881017	3123.02	-8 7.07	638.06	0.979254234	0.0	0 0 LG	*	1.058	197.714	-63.754	0.979433711	19.296	-44.458
506	881017	3123.12	-8 7.10	623.51	0.979257849	0.036	0 0 LG	*	1.096	193.227	-62.310	0.979433845	18.326	-43.983
507	881017	3121.96	-8 6.73	685.73	0.979240149	0.084	0 0 LG	*	1.337	212.420	-68.484	0.979432292	21.614	-46.870
508	881017	3121.88	-8 6.83	722.10	0.979232794	0.060	0 0 LG	*	1.640	223.640	-72.090	0.979432185	25.889	-46.201
509	881017	3121.90	-8 6.94	693.10	0.979238625	0.024	0 0 LG	*	1.210	214.693	-69.215	0.979432212	22.316	-46.898
510	881017	3121.80	-8 6.86	699.48	0.979236593	0.012	0 0 LG	*	1.183	216.663	-69.848	0.979432078	22.361	-47.487
511	881017	3121.72	-8 6.89	704.59	0.979234840	0.036	0 0 LG	*	1.211	218.238	-70.354	0.979431971	22.317	-48.037
512	881017	3122.06	-8 6.93	700.97	0.979237985	0.048	0 0 LG	*	1.305	217.122	-69.995	0.979432426	23.986	-46.010
513	881017	3122.19	-8 7.06	669.69	0.979244828	0.024	0 0 LG	*	1.180	207.473	-66.893	0.979432600	20.881	-46.012
514	881017	3122.24	-8 7.17	651.00	0.979248903	0.024	0 0 LG	*	1.288	201.705	-65.038	0.979432667	19.230	-45.808
515	881017	3122.33	-8 7.27	638.05	0.979251245	0.108	0 0 LG	*	1.559	197.712	-63.753	0.979432787	17.729	-46.024
516	881017	3122.34	-8 6.70	680.71	0.979243132	0.0	0 0 LG	*	1.253	210.870	-67.986	0.979432801	22.454	-45.531
517	881017	3122.46	-8 6.72	662.26	0.979247136	0.024	0 0 LG	*	1.147	205.181	-66.156	0.979432961	20.503	-45.653
518	881017	3122.58	-8 6.73	659.72	0.979247712	0.036	0 0 LG	*	1.172	204.396	-65.904	0.979433122	20.159	-45.745
519	881017	3123.18	-8 7.49	613.05	0.979260619	0.012	0 0 LG	*	1.043	189.999	-61.271	0.979433925	17.736	-43.535
520	881017	3123.07	-8 7.53	614.21	0.979260203	0.036	0 0 LG	*	1.078	190.355	-61.385	0.979433778	17.858	-43.527
521	881017	3123.13	-8 7.38	615.29	0.979260038	0.0	0 0 LG	*	1.038	190.690	-61.493	0.979433858	17.908	-43.585
522	881017	3123.28	-8 7.45	615.49	0.979260698	0.0	0 0 LG	*	1.007	190.752	-61.513	0.979434059	18.398	-43.115
523	881017	3123.27	-8 7.29	618.27	0.979259838	0.012	0 0 LG	*	1.032	191.610	-61.789	0.979434045	18.435	-43.355
524	881017	3123.37	-8 7.12	616.44	0.979260827	0.0	0 0 LG	*	1.014	191.044	-61.607	0.979434179	18.706	-42.901
525	881017	3122.09	-8 7.48	637.13	0.979251803	0.0	0 0 LG	*	1.351	197.428	-63.662	0.979432466	18.115	-45.547
526	881017	3122.23	-8 7.55	631.16	0.979253564	0.072	0 0 LG	*	1.371	195.586	-63.069	0.979432653	17.868	-45.201
527	881018	3122.35	-8 7.39	664.93	0.979246420	0.084	0 0 LG	*	1.334	206.005	-66.421	0.979432814	20.945	-45.477
528	881018	3122.44	-8 7.47	664.12	0.979247019	0.0	0 0 LG	*	1.434	205.754	-66.341	0.979432935	21.272	-45.068
529	881018	3122.55	-8 7.52	655.22	0.979249444	0.024	0 0 LG	*	1.531	203.008	-65.457	0.979433082	20.901	-44.557
530	881018	3122.23	-8 7.41	672.47	0.979244290	0.240	0 0 LG	*	1.679	208.330	-67.169	0.979432653	21.645	-45.524
531	881018	3122.14	-8 7.26	682.07	0.979241580	0.024	0 0 LG	*	1.415	211.291	-68.121	0.979432533	21.752	-46.369
532	881018	3122.62	-8 6.47	669.03	0.979245719	0.036	0 0 LG	*	1.194	207.269	-66.828	0.979433175	21.007	-45.821
533	881018	3122.50	-8 6.44	677.48	0.979244070	0.0	0 0 LG	*	1.156	209.876	-67.666	0.979433015	22.088	-45.579
534	881018	3122.41	-8 6.55	666.36	0.979245892	0.0	0 0 LG	*	1.174	206.444	-66.563	0.979432894	20.616	-45.946
535	881018	3122.52	-8 6.58	663.35	0.979246591	0.024	0 0 LG	*	1.176	205.517	-66.264	0.979433042	20.243	-46.022
536	881018	3122.80	-8 6.80	644.61	0.979250772	0.0	0 0 LG	*	1.102	199.735	-64.404	0.979433416	18.193	-46.211
537	881018	3122.80	-8 6.34	676.79	0.979244655	0.024	0 0 LG	*	1.256	209.663	-67.598	0.979433416	22.158	-45.440
538	881018	3122.92	-8 6.42	658.57	0.979248344	0.012	0 0 LG	*	1.117	204.041	-65.789	0.979433577	19.924	-45.865
539	881018	3122.93	-8 6.61	646.36	0.979251168	0.012	0 0 LG	*	1.106	200.276	-64.578	0.979433590	18.960	-45.619
540	881018	3123.10	-8 6.67	641.56	0.979253132	0.0	0 0 LG	*	1.071	198.794	-64.101	0.979433818	19.179	-44.923
541	881018	3123.22	-8 6.91	630.47	0.979256469	0.0	0 0 LG	*	1.036	195.371	-63.000	0.979433979	18.898	-44.102
542	881018	3123.54	-8 7.19	612.65	0.979262324	0.0	0 0 LG	*	0.979	189.875	-61.231	0.979434407	18.771	-42.459
543	881018	3123.67	-8 7.37	607.90	0.979264179	0.012	0 0 LG	*	0.998	188.410	-60.759	0.979434581	19.006	-41.753
544	881018	3123.53	-8 7.41	608.96	0.979262906	0.0	0 0 LG	*	1.036	188.736	-60.864	0.979434394	18.285	-42.579
545	881018	3123.43	-8 7.51	607.83	0.979263057	0.036	0 0 LG	*	1.032	188.388	-60.752	0.979434260	18.217	-42.535
546	881018	3123.47	-8 7.77	595.70	0.979265864	0.120	0 0 LG	*	1.295	184.646	-59.547	0.979434313	17.491	-42.056
547	881018	3123.66	-8 7.64	592.06	0.979267082	0.036	0 0 LG	*	1.125	183.523	-59.185	0.979434568	17.163	-42.023
548	881018	3123.60	-8 7.76	586.03	0.979268097	0.036	0 0 LG	*	1.165	181.663	-58.586	0.979434487	16.437	-42.149
549	881018	3123.39	-8 7.84	595.05	0.979265449	0.060	0 0 LG	*	1.184	184.446	-59.482	0.979434206	16.873	-42.609
550	881018	3123.18	-8 7.88	601.11	0.979263893	0.0	0 0 LG	*	1.096	186.315	-60.084	0.979433925	17.378	-42.706

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
551	881018	3123.02	-8 7.86	601.14	0.979263655	0.0	0 0 LG	*	1.107	186.323	-60.087	0.979433711	17.375	-42.712
552	881018	3122.85	-8 7.84	607.08	0.979262017	0.0	0 0 LG	*	1.143	188.157	-60.677	0.979433483	17.833	-42.845
553	881018	3122.61	-8 7.94	589.86	0.979264485	0.048	0 0 LG	*	1.548	182.843	-58.966	0.979433162	15.714	-43.253
554	881018	3122.51	-8 8.01	604.22	0.979261424	0.144	0 0 LG	*	1.543	187.273	-60.393	0.979433028	17.212	-43.181
555	881019	3124.08	-8 8.25	638.10	0.979259218	0.036	0 0 LG	*	0.938	197.728	-63.758	0.979435130	22.753	-41.005
556	881019	3124.04	-8 8.35	642.75	0.979258264	0.048	0 0 LG	*	0.909	199.162	-64.220	0.979435076	23.259	-40.961
557	881019	3123.94	-8 8.44	646.19	0.979257368	0.036	0 0 LG	*	0.860	200.223	-64.561	0.979434943	23.510	-41.052
558	881019	3123.84	-8 8.50	648.95	0.979256613	0.0	0 0 LG	*	0.822	201.073	-64.835	0.979434809	23.699	-41.135
559	881019	3123.76	-8 8.57	652.65	0.979255637	0.024	0 0 LG	*	0.914	202.216	-65.202	0.979434701	24.066	-41.137
560	881019	3123.70	-8 8.64	651.43	0.979255994	0.0	0 0 LG	*	0.815	201.838	-65.081	0.979434621	24.026	-41.055
561	881019	3123.87	-8 8.67	635.22	0.979260064	0.024	0 0 LG	*	0.803	196.837	-63.472	0.979434849	22.856	-40.616
562	881019	3123.69	-8 8.48	635.73	0.979259140	0.0	0 0 LG	*	0.822	196.996	-63.523	0.979434608	22.350	-41.173
563	881019	3123.69	-8 8.36	631.34	0.979259966	0.024	0 0 LG	*	0.857	195.640	-63.087	0.979434608	21.855	-41.231
564	881019	3123.80	-8 8.14	622.68	0.979261703	0.0	0 0 LG	*	0.853	192.970	-62.227	0.979434755	20.771	-41.456
565	881019	3123.87	-8 8.03	602.74	0.979265833	0.072	0 0 LG	*	1.252	186.817	-60.246	0.979434849	19.053	-41.193
566	881019	3123.71	-8 8.14	630.46	0.979259702	0.036	0 0 LG	*	0.916	195.369	-62.999	0.979434635	21.352	-41.647
567	881019	3123.75	-8 8.02	638.39	0.979257712	0.024	0 0 LG	*	1.247	197.817	-63.787	0.979434688	22.088	-41.699
568	881019	3123.83	-8 7.85	621.03	0.979261621	0.0	0 0 LG	*	1.184	192.461	-62.063	0.979434795	20.471	-41.593
569	881019	3123.69	-8 7.90	625.08	0.979260340	0.012	0 0 LG	*	1.191	193.711	-62.466	0.979434608	20.634	-41.832
570	881019	3123.57	-8 7.99	634.93	0.979257722	0.012	0 0 LG	*	1.443	196.748	-63.443	0.979434447	21.466	-41.977
571	881019	3123.58	-8 8.12	629.99	0.979259211	0.0	0 0 LG	*	1.187	195.225	-62.953	0.979434461	21.162	-41.791
572	881019	3123.62	-8 8.32	632.88	0.979259366	0.012	0 0 LG	*	0.870	196.115	-63.239	0.979434514	21.836	-41.403
573	881019	3123.53	-8 8.37	634.89	0.979258635	0.084	0 0 LG	*	1.094	196.736	-63.439	0.979434394	22.072	-41.367
574	881019	3123.61	-8 8.75	651.31	0.979256062	0.036	0 0 LG	*	0.827	201.801	-65.069	0.979434501	24.189	-40.880
575	881019	3123.53	-8 8.88	651.61	0.979255948	0.0	0 0 LG	*	0.791	201.895	-65.099	0.979434394	24.239	-40.860
576	881019	3123.66	-8 8.88	650.79	0.979256687	0.036	0 0 LG	*	0.823	201.642	-65.018	0.979434568	24.584	-40.434
577	881019	3123.80	-8 8.87	648.11	0.979257411	0.0	0 0 LG	*	0.760	200.814	-64.751	0.979434755	24.229	-40.522
578	881019	3123.89	-8 8.92	655.13	0.979256164	0.0	0 0 LG	*	0.924	202.980	-65.448	0.979434876	25.193	-40.256
579	881019	3124.04	-8 8.89	650.80	0.979257483	0.012	0 0 LG	*	0.809	201.644	-65.019	0.979435076	24.860	-40.158
580	881019	3124.09	-8 8.78	648.83	0.979257951	0.0	0 0 LG	*	0.823	201.035	-64.823	0.979435143	24.666	-40.157
581	881019	3124.20	-8 8.81	641.93	0.979259648	0.012	0 0 LG	*	0.890	198.908	-64.138	0.979435291	24.156	-39.982
582	881019	3124.29	-8 8.80	619.50	0.979264914	0.024	0 0 LG	*	0.835	191.988	-61.911	0.979435411	22.325	-39.586
583	881019	3124.39	-8 8.80	611.52	0.979266956	0.012	0 0 LG	*	0.801	189.526	-61.119	0.979435545	21.738	-39.381
584	881019	3124.47	-8 8.80	607.74	0.979268090	0.0	0 0 LG	*	0.786	188.360	-60.743	0.979435652	21.583	-39.160
585	881019	3124.58	-8 8.79	599.03	0.979270312	0.0	0 0 LG	*	0.800	185.674	-59.878	0.979435800	20.986	-38.892
586	881019	3124.20	-8 8.72	635.36	0.979260894	0.036	0 0 LG	*	0.875	196.880	-63.486	0.979435291	23.359	-40.127
587	881019	3124.29	-8 8.63	613.00	0.979265989	0.048	0 0 LG	*	0.866	189.984	-61.266	0.979435411	21.428	-39.838
588	881019	3124.40	-8 8.57	612.31	0.979266415	0.012	0 0 LG	*	0.785	189.770	-61.197	0.979435558	21.412	-39.785
589	881019	3124.51	-8 8.57	621.33	0.979264765	0.012	0 0 LG	*	0.835	192.554	-62.093	0.979435706	22.449	-39.644
590	881019	3124.28	-8 8.46	629.88	0.979262027	0.060	0 0 LG	*	0.862	195.190	-62.942	0.979435398	22.681	-40.261
591	881019	3124.17	-8 8.54	629.72	0.979261957	0.060	0 0 LG	*	0.869	195.142	-62.926	0.979435250	22.717	-40.209
592	881019	3123.43	-8 8.91	653.99	0.979255224	0.0	0 0 LG	*	0.823	202.629	-65.335	0.979434260	24.415	-40.920
593	881019	3123.34	-8 8.95	657.86	0.979254225	0.036	0 0 LG	*	0.888	203.822	-65.719	0.979434139	24.796	-40.923
594	881020	3123.90	-8 9.05	637.32	0.979260337	0.0	0 0 LG	*	0.765	197.485	-63.680	0.979434889	23.697	-39.983
595	881020	3123.93	-8 9.17	636.00	0.979260722	0.024	0 0 LG	*	0.835	197.078	-63.549	0.979434929	23.707	-39.843
596	881020	3124.01	-8 9.29	622.06	0.979264256	0.0	0 0 LG	*	0.811	192.777	-62.165	0.979435036	22.808	-39.357
597	881020	3123.79	-8 8.99	643.35	0.979258836	0.0	0 0 LG	*	0.758	199.347	-64.279	0.979434742	24.199	-40.080
598	881020	3123.75	-8 9.10	639.57	0.979259755	0.0	0 0 LG	*	0.771	198.181	-63.904	0.979434688	24.019	-39.886
599	881020	3123.84	-8 9.19	634.84	0.979260889	0.048	0 0 LG	*	0.828	196.720	-63.434	0.979434809	23.629	-39.806
600	881020	3123.83	-8 9.33	618.37	0.979264522	0.0	0 0 LG	*	0.918	191.640	-61.799	0.979434795	22.285	-39.514

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
601	881020	3123.52	-8 8.69	646.65	0.979256583	0.012	0 0 LG	*	0.948	200.363	-64.606	0.979434380	23.513	-41.093
602	881020	3123.53	-8 8.57	639.97	0.979258051	0.0	0 0 LG	*	0.860	198.303	-63.944	0.979434394	22.820	-41.123
603	881020	3123.44	-8 8.43	637.95	0.979257998	0.024	0 0 LG	*	1.241	197.679	-63.743	0.979434273	22.645	-41.098
604	881020	3123.48	-8 9.01	654.05	0.979255477	0.024	0 0 LG	*	0.821	202.648	-65.341	0.979434327	24.619	-40.722
605	881020	3123.60	-8 9.02	649.39	0.979256663	0.024	0 0 LG	*	0.895	201.210	-64.879	0.979434487	24.281	-40.598
606	881020	3123.70	-8 9.21	643.93	0.979258273	0.012	0 0 LG	*	0.843	199.524	-64.337	0.979434621	24.019	-40.317
607	881020	3123.49	-8 9.19	659.23	0.979254573	0.036	0 0 LG	*	0.912	204.244	-65.855	0.979434340	25.389	-40.466
608	881020	3123.57	-8 9.27	650.37	0.979256738	0.012	0 0 LG	*	0.826	201.511	-64.976	0.979434447	24.628	-40.348
609	881020	3123.66	-8 9.33	646.53	0.979258034	0.012	0 0 LG	*	0.908	200.327	-64.595	0.979434568	24.702	-39.893
610	881020	3123.69	-8 9.54	627.40	0.979262611	0.0	0 0 LG	*	0.829	194.425	-62.696	0.979434608	23.258	-39.437
611	881020	3123.53	-8 9.51	632.74	0.979260668	0.0	0 0 LG	*	0.833	196.074	-63.226	0.979434394	23.181	-40.045
612	881020	3123.47	-8 9.37	657.25	0.979254947	0.0	0 0 LG	*	0.921	203.634	-65.659	0.979434313	25.189	-40.470
613	881020	3123.37	-8 9.27	658.62	0.979254369	0.0	0 0 LG	*	0.826	204.056	-65.794	0.979434179	25.071	-40.723
614	881020	3123.32	-8 9.09	678.86	0.979249627	0.036	0 0 LG	*	1.067	210.299	-67.802	0.979434112	26.881	-40.921
615	881020	3124.13	-8 8.26	631.97	0.979260799	0.0	0 0 LG	*	0.840	195.835	-63.149	0.979435197	22.277	-40.872
616	881020	3124.19	-8 8.27	621.15	0.979263404	0.036	0 0 LG	*	0.850	192.496	-62.074	0.979435277	21.472	-40.602
617	881020	3124.24	-8 8.27	614.22	0.979265112	0.012	0 0 LG	*	0.926	190.358	-61.386	0.979435344	21.052	-40.334
618	881020	3124.30	-8 8.27	626.22	0.979262659	0.048	0 0 LG	*	0.849	194.061	-62.578	0.979435425	22.146	-40.433
619	881020	3124.35	-8 8.27	627.66	0.979262655	0.024	0 0 LG	*	0.835	194.505	-62.721	0.979435492	22.503	-40.218
620	881020	3124.40	-8 8.28	620.83	0.979264307	0.0	0 0 LG	*	0.790	192.400	-62.044	0.979435558	21.939	-40.105
621	881020	3124.45	-8 8.27	622.13	0.979264139	0.240	0 0 LG	*	1.082	192.800	-62.172	0.979435625	22.395	-39.777
622	881020	3124.21	-8 8.34	617.44	0.979264334	0.012	0 0 LG	*	0.893	191.354	-61.707	0.979435304	21.276	-40.431
623	881020	3124.52	-8 8.39	601.83	0.979268908	0.024	0 0 LG	*	0.932	186.536	-60.156	0.979435719	20.657	-39.498
624	881020	3124.42	-8 8.11	611.81	0.979265808	0.012	0 0 LG	*	0.868	189.616	-61.148	0.979435585	20.708	-40.440
625	881020	3124.34	-8 8.10	618.32	0.979264243	0.0	0 0 LG	*	0.821	191.625	-61.794	0.979435478	21.211	-40.583
626	881020	3124.28	-8 7.88	611.08	0.979265093	0.012	0 0 LG	*	0.901	189.389	-61.074	0.979435398	19.986	-41.088
627	881020	3124.18	-8 7.83	612.80	0.979264281	0.0	0 0 LG	*	0.938	189.920	-61.245	0.979435264	19.875	-41.370
628	881020	3124.12	-8 7.96	620.45	0.979262632	0.0	0 0 LG	*	0.884	192.282	-62.006	0.979435184	20.613	-41.392
629	881020	3124.08	-8 8.11	633.52	0.979259910	0.060	0 0 LG	*	0.996	196.314	-63.303	0.979435130	22.090	-41.214
630	881020	3123.98	-8 8.10	624.05	0.979261838	0.036	0 0 LG	*	0.881	193.391	-62.363	0.979434996	21.114	-41.249
631	881020	3123.95	-8 7.95	626.96	0.979260849	0.0	0 0 LG	*	1.033	194.291	-62.652	0.979434956	21.216	-41.436
632	881020	3124.02	-8 7.77	618.51	0.979262499	0.0	0 0 LG	*	1.318	191.684	-61.813	0.979435050	20.452	-41.362
633	881021	3124.03	-8 8.26	651.56	0.979255727	0.144	0 0 LG	*	1.184	201.877	-65.094	0.979435063	23.725	-41.368
634	881021	3123.97	-8 8.25	646.13	0.979256760	0.192	0 0 LG	*	1.203	200.203	-64.555	0.979434983	23.183	-41.372
635	881021	3123.92	-8 8.25	626.74	0.979261027	0.048	0 0 LG	*	0.936	194.222	-62.630	0.979434916	21.269	-41.361
636	881021	3123.87	-8 8.25	622.58	0.979261910	0.0	0 0 LG	*	0.863	192.937	-62.217	0.979434849	20.861	-41.356
637	881021	3123.81	-8 8.24	614.51	0.979263290	0.240	0 0 LG	*	1.287	190.450	-61.416	0.979434768	20.259	-41.157
638	881021	3123.75	-8 8.25	625.75	0.979260954	0.0	0 0 LG	*	0.831	193.916	-62.532	0.979434688	21.013	-41.519
639	881021	3123.70	-8 8.25	628.74	0.979260324	0.024	0 0 LG	*	0.874	194.839	-62.829	0.979434621	21.417	-41.412
640	881021	3123.65	-8 8.24	627.83	0.979260334	0.060	0 0 LG	*	0.913	194.558	-62.738	0.979434554	21.250	-41.488
641	881021	3123.60	-8 8.24	617.87	0.979262123	0.372	0 0 LG	*	1.369	191.487	-61.750	0.979434487	20.491	-41.259
642	881021	3123.55	-8 8.23	631.95	0.979258971	0.060	0 0 LG	*	1.121	195.829	-63.147	0.979434420	21.501	-41.647
643	881021	3123.50	-8 8.24	622.66	0.979260649	0.192	0 0 LG	*	1.179	192.963	-62.225	0.979434353	20.438	-41.787
644	881021	3123.43	-8 8.25	598.51	0.979265678	0.192	0 0 LG	*	1.550	185.512	-59.826	0.979434260	18.481	-41.345
645	881021	3123.19	-8 9.08	671.42	0.979251291	0.012	0 0 LG	*	0.816	208.007	-67.065	0.979433938	26.176	-40.889
646	881021	3123.21	-8 8.89	662.95	0.979252874	0.012	0 0 LG	*	0.836	205.393	-66.224	0.979433965	25.137	-41.087
647	881021	3123.37	-8 8.73	651.60	0.979255313	0.012	0 0 LG	*	0.987	201.891	-65.098	0.979434179	24.012	-41.086
648	881021	3123.27	-8 8.69	654.84	0.979254430	0.0	0 0 LG	*	0.913	202.890	-65.419	0.979434045	24.188	-41.231
649	881021	3123.27	-8 8.54	648.65	0.979255323	0.060	0 0 LG	*	1.145	200.982	-64.805	0.979434045	23.405	-41.401
650	881021	3123.33	-8 8.40	632.50	0.979259163	0.0	0 0 LG	*	1.038	196.000	-63.202	0.979434126	22.075	-41.127

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.3OM	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
								*						
651	881021	3123.10	-8 8.80	664.74	0.979252123	0.0	0 0 LG	*	0.857	205.945	-66.402	0.979433818	25.107	-41.295
652	881021	3123.08	-8 8.59	649.30	0.979255049	0.0	0 0 LG	*	0.952	201.182	-64.870	0.979433791	23.391	-41.478
653	881021	3123.07	-8 9.13	672.42	0.979250878	0.072	0 0 LG	*	0.892	208.314	-67.164	0.979433778	26.305	-40.858
654	881021	3123.24	-8 9.37	668.51	0.979252161	0.0	0 0 LG	*	0.976	207.107	-66.776	0.979434005	26.238	-40.537
655	881021	3123.05	-8 8.98	674.35	0.979250222	0.0	0 0 LG	*	0.880	208.909	-67.355	0.979433751	26.260	-41.095
656	881021	3122.94	-8 8.87	658.38	0.979253534	0.0	0 0 LG	*	0.866	203.984	-65.771	0.979433604	24.780	-40.991
657	881021	3122.72	-8 8.88	690.55	0.979246136	0.0	0 0 LG	*	1.001	213.909	-68.963	0.979433309	27.737	-41.226
658	881021	3122.80	-8 8.79	682.16	0.979247895	0.084	0 0 LG	*	1.152	211.320	-68.130	0.979433416	26.950	-41.180
659	881021	3122.65	-8 8.69	670.97	0.979249516	0.0	0 0 LG	*	0.905	207.866	-67.020	0.979433216	25.072	-41.948
660	881021	3122.72	-8 8.59	675.31	0.979248951	0.0	0 0 LG	*	1.028	209.206	-67.451	0.979433309	25.877	-41.574
661	881021	3122.87	-8 8.49	665.70	0.979251281	0.0	0 0 LG	*	1.018	206.242	-66.498	0.979433510	25.030	-41.467
662	881021	3122.95	-8 8.39	661.17	0.979251933	0.0	0 0 LG	*	1.080	204.843	-66.047	0.979433617	24.238	-41.809
663	881021	3123.09	-8 8.32	648.23	0.979254580	0.048	0 0 LG	*	1.123	200.852	-64.764	0.979433805	22.751	-42.013
664	881021	3123.16	-8 8.21	646.32	0.979255048	0.060	0 0 LG	*	1.110	200.263	-64.574	0.979433898	22.523	-42.051
665	881021	3123.24	-8 8.21	645.54	0.979255325	0.060	0 0 LG	*	1.276	200.021	-64.496	0.979434005	22.617	-41.880
666	881021	3123.27	-8 8.21	641.86	0.979256378	0.156	0 0 LG	*	1.331	198.885	-64.131	0.979434045	22.549	-41.582
667	881021	3123.34	-8 8.21	637.79	0.979257385	0.168	0 0 LG	*	1.469	197.630	-63.727	0.979434139	22.345	-41.382
668	881021	3123.39	-8 8.22	634.13	0.979258136	0.204	0 0 LG	*	1.596	196.502	-63.364	0.979434206	22.028	-41.336
669	881022	3123.11	-8 8.20	633.20	0.979257772	0.036	0 0 LG	*	1.009	196.215	-63.272	0.979433831	21.166	-42.106
670	881022	3123.06	-8 8.20	630.48	0.979258170	0.084	0 0 LG	*	1.072	195.375	-63.001	0.979433764	20.853	-42.148
671	881022	3123.01	-8 8.20	628.17	0.979258661	0.024	0 0 LG	*	1.041	194.663	-62.772	0.979433697	20.668	-42.104
672	881022	3122.95	-8 8.20	625.48	0.979259148	0.072	0 0 LG	*	1.112	193.834	-62.505	0.979433617	20.477	-42.029
673	881022	3122.88	-8 8.19	641.45	0.979255699	0.048	0 0 LG	*	1.135	198.760	-64.090	0.979433523	22.070	-42.020
674	881022	3122.91	-8 8.07	625.86	0.979258906	0.024	0 0 LG	*	1.092	193.951	-62.543	0.979433564	20.385	-42.158
675	881022	3122.83	-8 8.22	654.73	0.979252973	0.012	0 0 LG	*	1.248	202.857	-65.409	0.979433457	23.621	-41.788
676	881022	3123.22	-8 8.13	651.17	0.979255010	0.060	0 0 LG	*	1.353	201.757	-65.055	0.979433979	24.141	-40.914
677	881022	3123.05	-8 8.05	653.55	0.979252630	0.0	0 0 LG	*	1.833	202.493	-65.292	0.979433751	23.206	-42.086
678	881022	3123.12	-8 8.09	661.60	0.979250990	0.108	0 0 LG	*	1.773	204.976	-66.090	0.979433845	23.894	-42.196
679	881022	3123.30	-8 8.08	645.61	0.979255226	0.0	0 0 LG	*	1.387	200.043	-64.504	0.979434086	22.571	-41.933
680	881022	3123.38	-8 8.03	640.79	0.979256007	0.0	0 0 LG	*	1.866	198.556	-64.025	0.979434193	22.237	-41.788
681	881022	3122.58	-8 8.39	664.66	0.979249827	0.0	0 0 LG	*	1.012	205.921	-66.394	0.979433122	23.639	-42.755
682	881022	3122.62	-8 8.18	645.81	0.979254173	0.024	0 0 LG	*	1.202	200.105	-64.523	0.979433175	22.305	-42.218
683	881022	3122.44	-8 8.11	638.41	0.979254337	0.0	0 0 LG	*	1.232	197.821	-63.788	0.979432935	20.455	-43.333
684	881022	3122.47	-8 8.26	660.31	0.979250311	0.096	0 0 LG	*	1.394	204.578	-65.962	0.979432975	23.308	-42.654
685	881022	3122.48	-8 8.52	669.31	0.979248912	0.0	0 0 LG	*	0.952	207.354	-66.855	0.979432988	24.230	-42.625
686	881022	3122.38	-8 8.43	700.91	0.979241275	0.012	0 0 LG	*	1.899	217.105	-69.990	0.979432854	27.424	-42.566
687	881026	3124.09	-8 9.03	636.06	0.979261249	0.024	0 0 LG	*	0.817	197.098	-63.556	0.979435143	24.021	-39.535
688	881026	3124.16	-8 9.22	622.75	0.979264500	0.024	0 0 LG	*	0.842	192.990	-62.234	0.979435237	23.094	-39.139
689	881026	3124.26	-8 9.11	616.33	0.979266092	0.0	0 0 LG	*	0.827	191.009	-61.596	0.979435371	22.557	-39.039
690	881026	3124.38	-8 8.99	611.69	0.979267102	0.024	0 0 LG	*	0.885	189.578	-61.135	0.979435532	22.033	-39.102
691	881026	3124.53	-8 8.98	601.29	0.979270082	0.0	0 0 LG	*	0.816	186.369	-60.102	0.979435733	21.535	-38.567
692	881026	3124.48	-8 9.19	615.69	0.979266995	0.0	0 0 LG	*	0.792	190.814	-61.533	0.979435666	22.936	-38.597
693	881026	3124.51	-8 9.49	619.07	0.979266645	0.012	0 0 LG	*	0.941	191.855	-61.868	0.979435706	23.735	-38.133
694	881026	3124.41	-8 9.63	637.03	0.979262780	0.0	0 0 LG	*	0.730	197.396	-63.652	0.979435572	25.333	-38.319
695	881026	3124.34	-8 9.32	617.31	0.979266320	0.024	0 0 LG	*	0.803	191.311	-61.693	0.979435478	22.956	-38.737
696	881026	3124.17	-8 9.45	626.44	0.979264074	0.0	0 0 LG	*	0.761	194.130	-62.601	0.979435250	23.715	-38.886
697	881026	3124.23	-8 9.60	633.06	0.979263120	0.0	0 0 LG	*	0.734	196.172	-63.258	0.979435331	24.694	-38.564
698	881026	3124.26	-8 9.41	626.52	0.979264182	0.0	0 0 LG	*	0.769	194.155	-62.609	0.979435371	23.736	-38.873
699	881026	3124.20	-8 9.84	645.52	0.979260616	0.012	0 0 LG	*	0.741	200.015	-64.495	0.979435291	26.082	-38.413
700	881026	3124.09	-8 9.74	642.52	0.979260904	0.012	0 0 LG	*	0.744	199.091	-64.197	0.979435143	25.596	-38.601

ST.NO	OBS.DAY	LAT.	LONG.	LEVEL	ABS.G	C.30M	ETC	*	TERR.C	F.E.C	B.G.C	NORM.G	ANOM.F	ANOM.B
								*						
701	881026	3124.03	-8 9.54	635.61	0.979261648	0.0	0 0 LG	*	0.870	196.957	-63.510	0.979435063	24.412	-39.098
702	881026	3124.13	-810.16	660.15	0.979258008	0.0	0 0 LG	*	0.682	204.529	-65.946	0.979435197	28.022	-37.924
703	881026	3124.07	-810.01	651.48	0.979259361	0.024	0 0 LG	*	0.735	201.855	-65.087	0.979435117	26.834	-38.252
704	881026	3123.96	-8 9.81	652.91	0.979258235	0.0	0 0 LG	*	0.763	202.297	-65.228	0.979434969	26.325	-38.903
705	881026	3123.84	-8 9.69	651.39	0.979258158	0.0	0 0 LG	*	0.931	201.827	-65.077	0.979434809	26.107	-38.971
706	881026	3123.90	-8 9.54	643.76	0.979259456	0.012	0 0 LG	*	0.907	199.474	-64.320	0.979434889	24.947	-39.373
707	881026	3123.89	-8 9.99	657.49	0.979257370	0.012	0 0 LG	*	0.759	203.709	-65.683	0.979434876	26.962	-38.721
708	881026	3123.70	-8 9.82	658.42	0.979256211	0.024	0 0 LG	*	1.004	203.995	-65.775	0.979434621	26.589	-39.186
709	881027	3124.17	-810.12	663.52	0.979257292	0.0	0 0 LG	*	0.705	205.568	-66.281	0.979435250	28.314	-37.966
710	881027	3124.22	-810.08	667.38	0.979256338	0.0	0 0 LG	*	0.745	206.760	-66.664	0.979435317	28.525	-38.139
711	881027	3124.26	-810.05	663.00	0.979257383	0.0	0 0 LG	*	0.718	205.407	-66.229	0.979435371	28.136	-38.092
712	881027	3124.31	-810.01	649.30	0.979260303	0.288	0 0 LG	*	1.111	201.181	-64.870	0.979435438	27.157	-37.713
713	881027	3124.36	-8 9.98	657.24	0.979258748	0.012	0 0 LG	*	0.715	203.630	-65.657	0.979435505	27.588	-38.070
714	881027	3124.40	-8 9.94	657.56	0.979258670	0.0	0 0 LG	*	0.709	203.730	-65.690	0.979435558	27.551	-38.139
715	881027	3124.45	-8 9.91	655.94	0.979259245	0.0	0 0 LG	*	0.682	203.230	-65.529	0.979435625	27.532	-37.997
716	881027	3124.49	-8 9.87	657.71	0.979258931	0.0	0 0 LG	*	0.695	203.776	-65.705	0.979435679	27.724	-37.980
717	881027	3124.53	-8 9.83	655.03	0.979259661	0.012	0 0 LG	*	0.712	202.949	-65.438	0.979435733	27.589	-37.849
718	881027	3124.57	-8 9.80	654.99	0.979259652	0.012	0 0 LG	*	0.738	202.935	-65.434	0.979435786	27.539	-37.895
719	881027	3124.62	-8 9.75	651.12	0.979260631	0.024	0 0 LG	*	0.783	201.743	-65.051	0.979435853	27.304	-37.746
720	881027	3124.67	-8 9.72	658.43	0.979259002	0.036	0 0 LG	*	0.797	203.997	-65.775	0.979435920	27.876	-37.900
721	881027	3124.70	-8 9.67	662.20	0.979258299	0.072	0 0 LG	*	0.855	205.160	-66.149	0.979435960	28.353	-37.797
722	881027	3124.75	-8 9.62	685.01	0.979252943	0.036	0 0 LG	*	1.558	212.198	-68.413	0.979436027	30.672	-37.741
723	881027	3124.80	-8 9.60	664.91	0.979257997	0.276	0 0 LG	*	1.077	205.998	-66.419	0.979436094	28.978	-37.441
724	881027	3124.45	-8 9.77	677.61	0.979253553	0.180	0 0 LG	*	1.836	209.916	-67.679	0.979435625	29.679	-38.000
725	881027	3124.57	-8 9.96	652.17	0.979260589	0.0	0 0 LG	*	0.679	202.066	-65.154	0.979435786	27.548	-37.606
726	881027	3124.50	-8 9.99	651.57	0.979260566	0.0	0 0 LG	*	0.676	201.881	-65.095	0.979435692	27.432	-37.663
727	881027	3124.32	-8 9.86	645.65	0.979260933	0.012	0 0 LG	*	0.720	200.054	-64.507	0.979435451	26.255	-38.252
728	881027	3124.21	-8 9.90	652.27	0.979259285	0.024	0 0 LG	*	0.775	202.099	-65.165	0.979435304	26.855	-38.310
729	881027	3124.16	-8 9.96	655.47	0.979258584	0.0	0 0 LG	*	0.718	203.085	-65.482	0.979435237	27.150	-38.332
730	881027	3124.32	-810.11	657.07	0.979259054	0.0	0 0 LG	*	0.701	203.579	-65.641	0.979435451	27.883	-37.758
731	881027	3124.46	-810.17	644.34	0.979262335	0.024	0 0 LG	*	0.703	199.650	-64.377	0.979435639	27.049	-37.328
732	881027	3124.22	-810.24	654.58	0.979259640	0.096	0 0 LG	*	0.781	202.810	-65.394	0.979435317	27.914	-37.480
733	881027	3124.35	-810.30	650.01	0.979260988	0.0	0 0 LG	*	0.700	201.400	-64.940	0.979435492	27.597	-37.343
734	881027	3124.43	-810.44	650.60	0.979261276	0.0	0 0 LG	*	0.679	201.583	-64.999	0.979435599	27.938	-37.060
735	881029	3122.11	-8 8.20	634.77	0.979253854	0.060	0 0 LG	*	1.243	196.698	-63.427	0.979432493	19.302	-44.125
736	881029	3122.16	-8 8.37	645.00	0.979252375	0.084	0 0 LG	*	1.335	199.855	-64.443	0.979432560	21.005	-43.438
737	881029	3122.29	-8 8.22	640.22	0.979253598	0.0	0 0 LG	*	1.154	198.381	-63.969	0.979432734	20.400	-43.569
738	881029	3122.18	-8 8.08	631.52	0.979254686	0.060	0 0 LG	*	1.318	195.696	-63.105	0.979432587	19.114	-43.991
739	881029	3122.33	-8 8.01	612.22	0.979259119	0.180	0 0 LG	*	1.496	189.742	-61.188	0.979432787	17.569	-43.618
740	881029	3122.01	-8 8.08	636.55	0.979252913	0.036	0 0 LG	*	1.311	197.248	-63.604	0.979432359	19.114	-44.490
741	881029	3120.60	-8 6.41	752.76	0.979217804	0.0	0 0 LG	*	1.460	233.098	-75.128	0.979430473	21.889	-53.238
742	881029	3120.53	-8 6.28	753.90	0.979217116	0.024	0 0 LG	*	1.491	233.450	-75.241	0.979430379	21.678	-53.563
743	881029	3120.50	-8 6.15	754.85	0.979216368	0.0	0 0 LG	*	1.356	233.744	-75.335	0.979430339	21.129	-54.206
744	8811 7	3123.28	-8 7.63	601.47	0.979263759	0.012	0 0 LG	*	1.051	186.424	-60.120	0.979434059	17.175	-42.945
745	8811 7	3123.37	-8 7.62	601.32	0.979264135	0.0	0 0 LG	*	1.023	186.380	-60.105	0.979434179	17.359	-42.746

REFERENCES

1. Banno,S. and Seki,Y. (1978): Thermodynamics Analysis about Metamorphism, Geochemistry of Rocks and Minerals, Earth Science 4, Iwanami, p.191-240 (in Japanese)
2. Banno,S. (1979): Multi-phase System and Equivalent, Geochemistry of Rocks and Minerals, Earth Science 4, Iwanami, P.147-165 (in Japanese)
3. Brock,J.S. (1973): Geophysical Exploration Leading to the Discovery of the Faro Deposit, CIB Bul. Oct., p97-116
4. BRGM (1985): Carte Geologique Provisoire du Massif des Guemassa, 1/50,000, BRPM
5. BRGM/DG (1986): Etude Geologique, Geochimique et Geophysique des Indices de Amzourh (Guemassa)
6. BRPM (1985) : Travaux Geophysiques Realises a Douar El Hajar
7. Carne,R.C. and Cathro,R.J. (1982): Sedimentary Exhalative Zinc-Lead-Silver Deposits, Northern Canadian Cordillera, CIB Bul. 75, p.66-78.
8. Cordell,L. and Henderson,R.G. (1968): Iterative Three-Dimensional Solution of Gravity Anomaly Data using a Digital Computer, Geophysics, Vol 33-4, p.596-601
9. Geoterrex Ltd. (1968): Carte Residuelle du Champ Magnetique Total, Zone 3, Seuil de Guemassa, 1/50,000, Direction des Mines et de la Geologie
10. Hiroshima,T. et al (1978): Gravity Terraine Corrections using Graphic Display, SEG Japan Vol 31-5, p.29-39 (in Japanese)
11. Keller,G.V. and Frischknecht,F.C. (1966): Electrical Methods in Geophysical Prospecting, Pergamon Press, New York, p.436-486

12. Klau,W. and Large,D.E. (1980): Submarine Exhalative Cu-Pb-Zn Deposits, a Discussion of their Classification and Metallogenesis, Geol. Jahrb., Sect. D, No.40, p.13-58

13. Maier,W. and El Hakour,A. (1986): Le Gisement Polimetallique Hydrothermal-Sedimentaire de Douar Lahjar, BRPM

14. Ministere du Commerce (1970): Carte Geologique et des Mineralisations des Jebilet Centrales, 1/100,000. reviewed by P.Huvelin

15. Ministere de L' Energie et des Mines : Gravimetrie Haouz, Anomalie de Bouguer, d=2.2

16. Ministere de L' Energie et des Mines (1982): Carte Geologique du Maroc, 1/1,000,000

17. Sato,T. (1974): Distribution and Geological Setting of the Kuroko Deposits, Min. Geol. J. Special Issue 6, p.1-9

18. Sato,T. (1983): Kuroko-Type Deposits in Earth's Histry, Min. Geol. J. 11, p.1-21 (in Japanese)

19. Sawa,K. and Yairi,K. (1979): Geology of Africa, Geology of the World, Earth Science 16, Iwanami, p.61-98 (in Japanese)

20. Spector,A. and Grant F.S. (1970): Statistical Models for Interpreting Aeromagnetic Data, Geophysics, Vol 35-2, p.293-302

21. Sumner J.S. (1976): Principles of Induced Polarization for Geophysical Exploration, Elsevier, Amsterdam, p.1-107

22. Talwani,M, et al (1959): Rapid Gravity Computations for Two-Dimensional Bodies with Application to the Mendocino Submarine Fracture Zone, JGR, Vol 64-1, p.49-59

APPENDICES

Ap. I-1-1 List of Analyzed Samples

ser. No.	Samp. No.	Rock Name	Geol. Unit*	Loc.	Kind of Analysis					
					TS	PS	XR	WA	OA	DT
1	713	pelitic schist	IIal	Amz.	T					
2	776	sandstone	IIas	Amz.	T					
3	778	Fe gossan	gos	Amz.		P	X		O	
4	782	tuffaceous ss	IIas	Amz.	T					
5	801	rhyolitic rock	Ivv	Fri.	T		X	W		D
6	802	rhyolitic rock	IIav	Amz.	T		X	W		D
7	803	rhyolite	Dk	Akh.	T		X	W		D
8	804	pyroclastic rock	IIat	Ouk.	T		X	W		D
9	813	green rock	IIat	Hja.	T		X	W		
10	814	green rock	IIat	Hja.	T		X	W		
11	815	silicified rock	IIap	Hja.	T		X			
12	818	silty slate	IIav	Amz.	T		X	W		
13	825	dolerite	Dk	Fri.	T		x	W		
14	826	marl	Ic	Fri.	T		X	W		
15	827	siltstone	Ipm	Fri.	T					
16	831	green rock	IIaa	Ouk.	T		X	W		
17	835	slaty rock	IIat	Ouk.	T		X			
18	845	rhyolite	IIav	Amz.	T					
19	908	Cu-Fe oxide vein	gos	Fri.		P	X		O	
20	909	green schist	Ips	Fri.	T		X			
21	910	Cu-Pb-Zn massive ore	ore	Hja.		P				
22	913	Pb-Zn banded ore	ore	Hja.		P	X			
23	915	Pb-Zn banded ore	ore	Hja.		P				
24	918	silicified schist	Ips	Fri.	T					
25	919	Cu-Fe-Qz vein	gos	Fri.			X		O	
26	920	Fe oxide vein	gos	Fri.		P			O	
27	921	Fe oxide massive ore	gos	Fri.			X		O	
28	922	banded calcarenite	Iml	Fri.	T		X			
29	923	malachite ore	gos	Fri.					O	
30	924	Fe oxide vein	gos	Akh.		P			O	
31	925	Cu-Fe oxide vein	gos	Ouk.		P			O	
32	926	Cu-Fe oxide vein	gos	Ouk.		P			O	
33	928	Cu-Fe oxide vein	gos	Amz.		P	X		O	
		Total			20	10	20	10	10	4

Akh.:Akhlij, Fri.:Frizem, Amz.:Amzourh, Hja.:Hajar mine,
Ouk.:Oukhribane,
TS:thin section, PS:polished section, XR:X-ray diffraction,
WA:whole rock analysis, OA:ore analysis, DT:dating

* See Fig. I - 6.