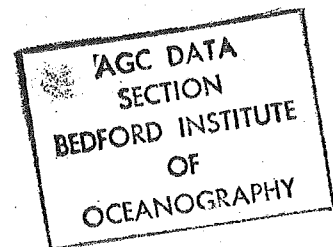


SIX-MINUTE GRID MEAN VALUES OF
FREE AIR GRAVITY AND MAGNETIC ANOMALIES
ACROSS THE MID-ATLANTIC RIDGE NEAR 45°N



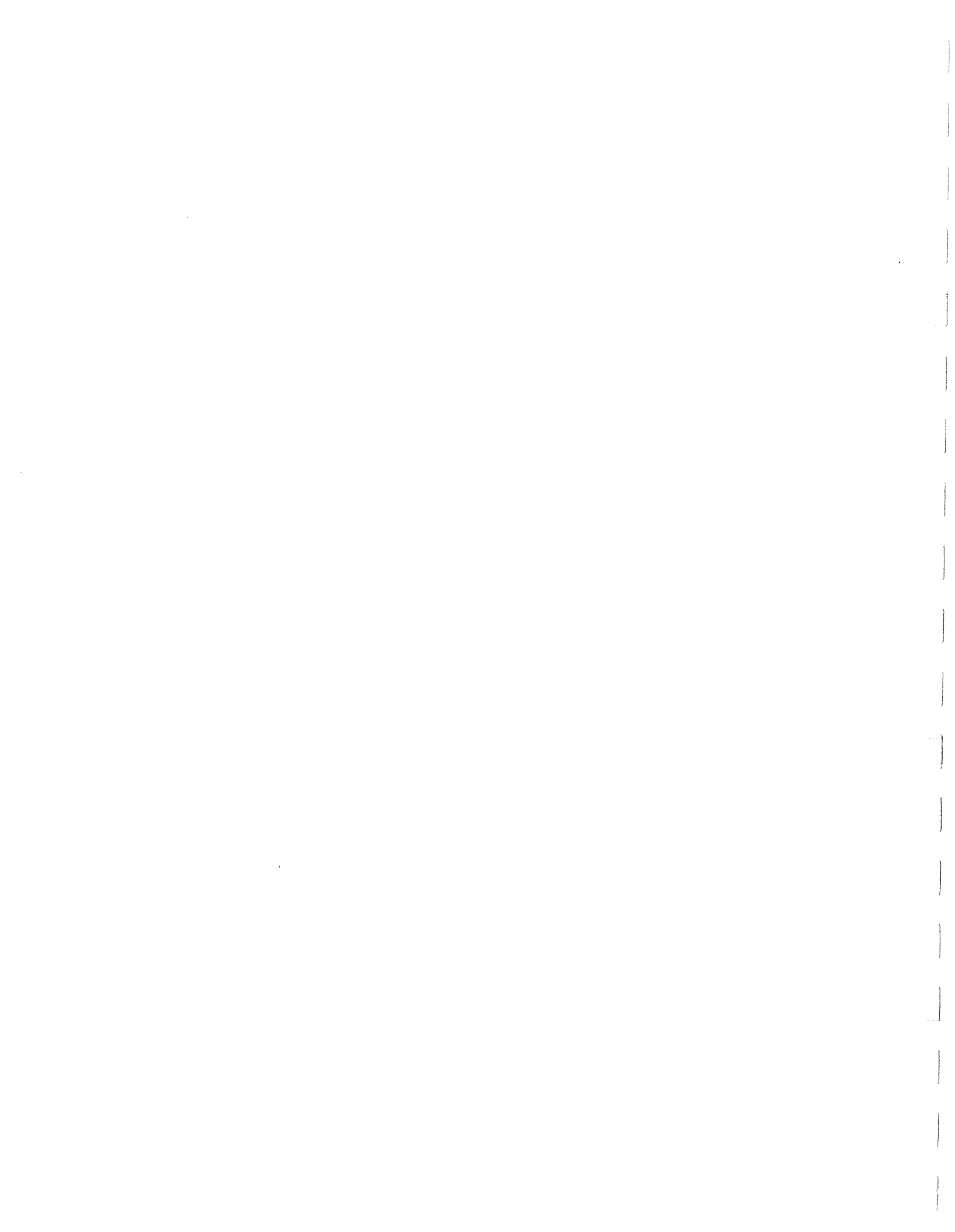
by

K. G. SHIH

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Geological Survey of Canada
Department of Energy, Mines and Resources

O. F. 462

February 15, 1977



ABSTRACT

Six-minute grid mean values of free air gravity and magnetic anomalies near Mid-Atlantic Ridge and over European Basin along 45°N , were calculated on data collected on three cruises from 96,800 stations. The number of stations and mean, maximum and minimum values of free air gravity and magnetic anomalies in each one degree square in this area are also given.

Two applications of the six-minute grid mean data are given in this report. One is the six-minute grid mean bathymetric, gravimetric and magnetic profiles across the Atlantic Ocean along 45.05°N . The other is a six-minute grid mean magnetic anomaly profile showing magnetic lineations over the ridge area from 45°N - 46°N and 27°W - 30°W .

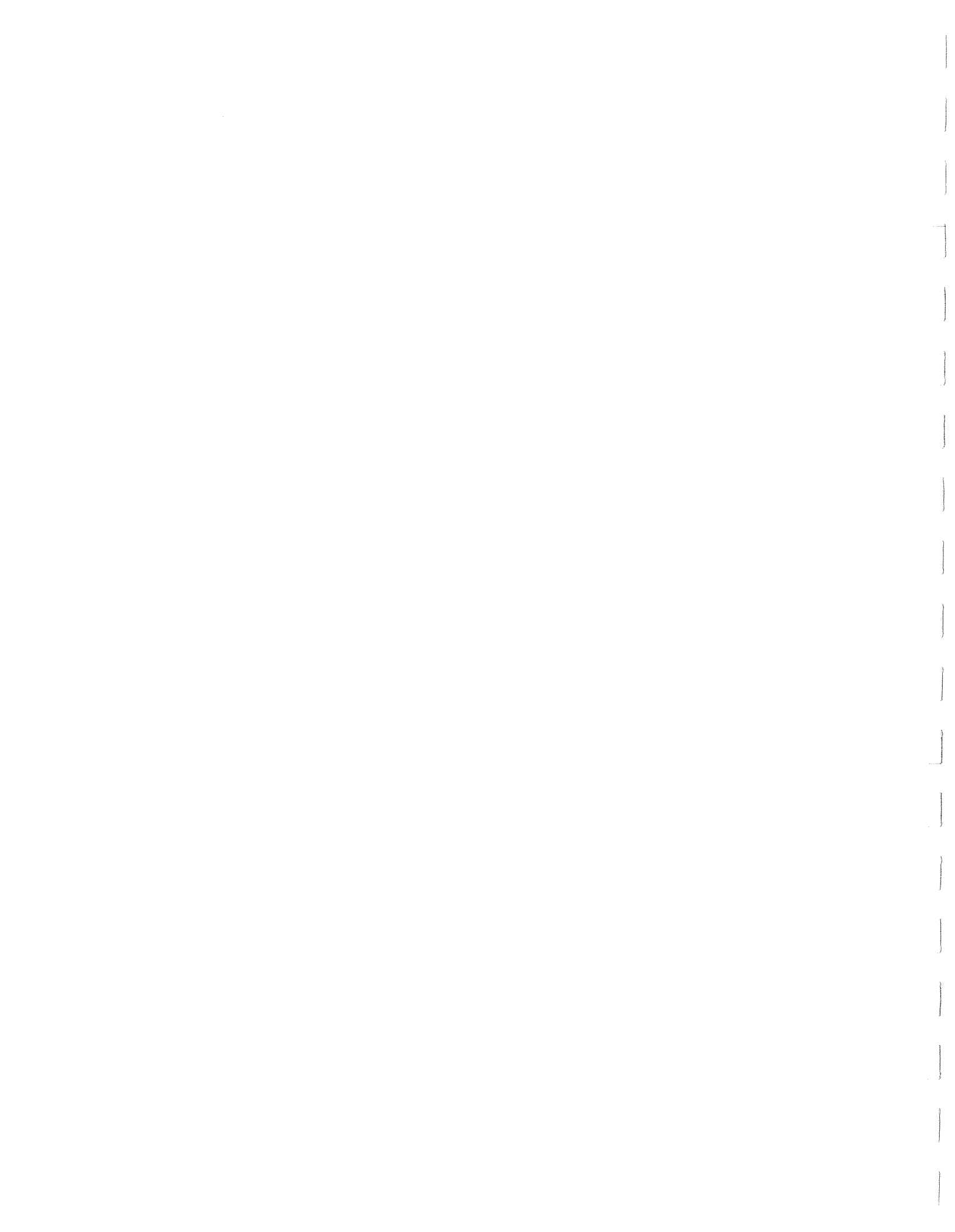
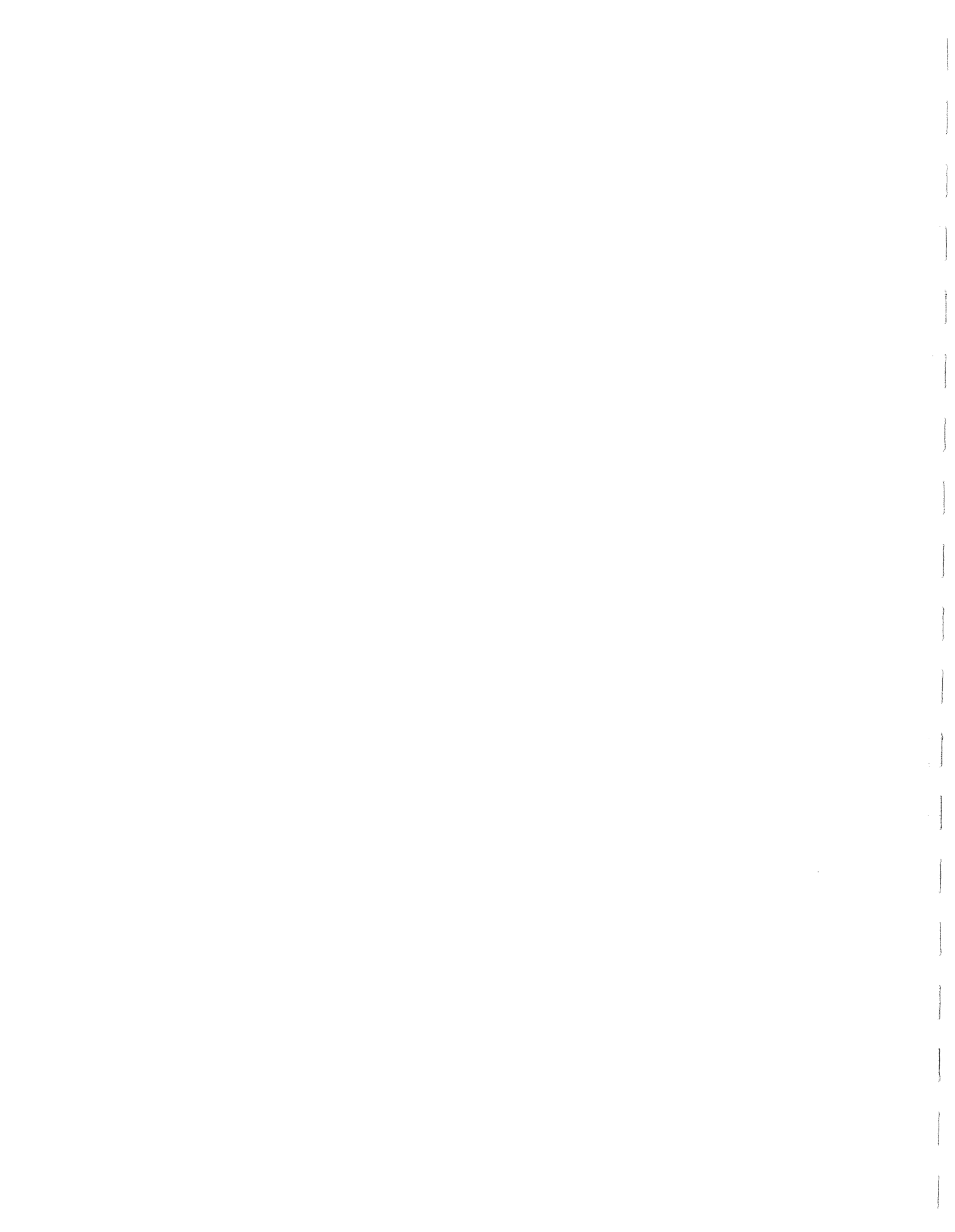


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1. Introduction

A report on the storage and retrieval on GEODATABASE of geophysical data in Marsden Square 151 has been put on GSC open file 337 (Shih, 1976). The first part of that report is a brief description of the GEOFILE and GEODATABASE systems and the second part gives six-minute grid mean values of free air gravity and magnetic anomalies in Marsden Square (MSQ) 151. Reports on the six-minute grid mean values of free air gravity and magnetic anomalies in MSQ 149, 150 and 186 were given on GSC open files 348, 387 and 404 (Shih, 1976).

This report gives similar data on the six-minute grid mean values of free air gravity and magnetic anomalies near Mid-Atlantic Ridge. It is not the final report but it may be valuable to interested parties as basic data.

2. Cruise Data in GEODATABASE

Digital values of Julian day, GMT, gravity, gravity cross coupling, magnetics and other parameters were recorded automatically on paper tapes or on magnetic tapes at one-minute intervals by using the Bedford Institute of Oceanographic Data Logging system (BIODAL) during geophysical cruises. Shipboard off-line computers on various BIO ships were used to process the data for quality control and analysis at sea.

Final processing of the geophysical cruise data was also performed on the Institute CDC-3150 computer. The observed gravity in milligals is computed by referring to a known base gravity value and adding the Eotvos correction. The free air gravity is obtained by subtracting the 1930 international theoretical gravity reference from the observed gravity. The magnetic anomalies are obtained by removing the International Geomagnetic Reference Field. (IGRF 1965.0) from the total geomagnetic field.

All of the geophysical cruise data contain time sequence records and are stored on magnetic tapes. In order to efficiently retrieve the data by geographical location, the cruise data have to be sorted according to geographic location by using GEODATABASE system. The data collected on 20 cruises have been entered into GEODATABASE and are summarized in appendix A.

3. Available Data in MSQ

Presently, data stations in MSQ 114, 115, 145, 147, 148, 149, 150, 151, 111, 181, 185, 186, 187, 221, 222, 223, 224, 225, 258, 259, 260, and 261 have been entered into GEODATABASE (see Figure 1). Data in MSQ 150 have been given on GSC open file 348, data in MSQ 150 on GSC open file 337, data in MSQ 149 on GSC open file 387, and data in MSQ 186 on GSC open file 404. Data in MSQ 111, 145, 146, 147, and 148 are given in this report. The related Marsden Square numbers are shown in Figure 2.

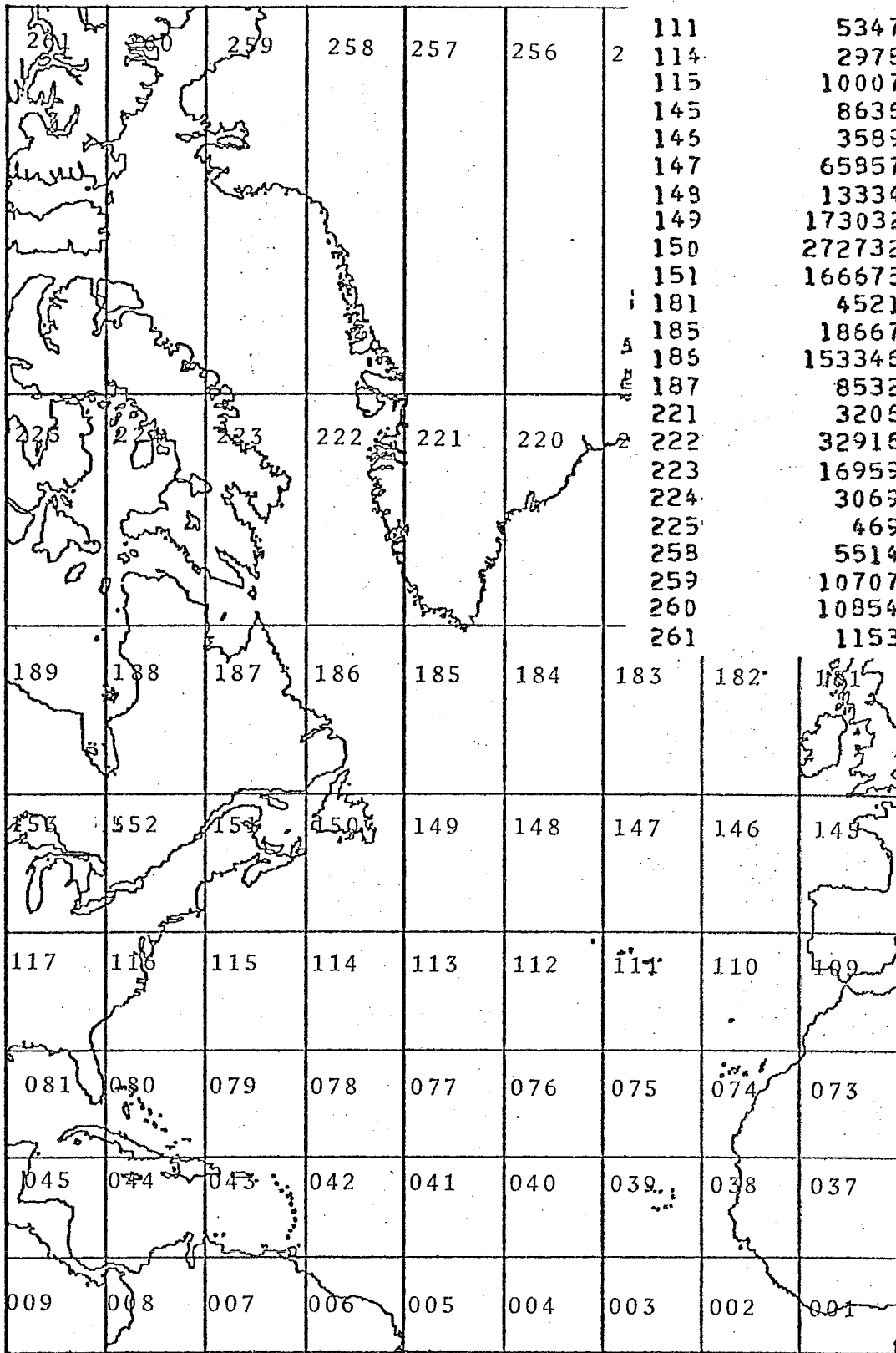
NORTH ATLANTIC OCEAN

1/75000000 AT EQUATOR

MSQ

STATIONS

80N



90W

00W

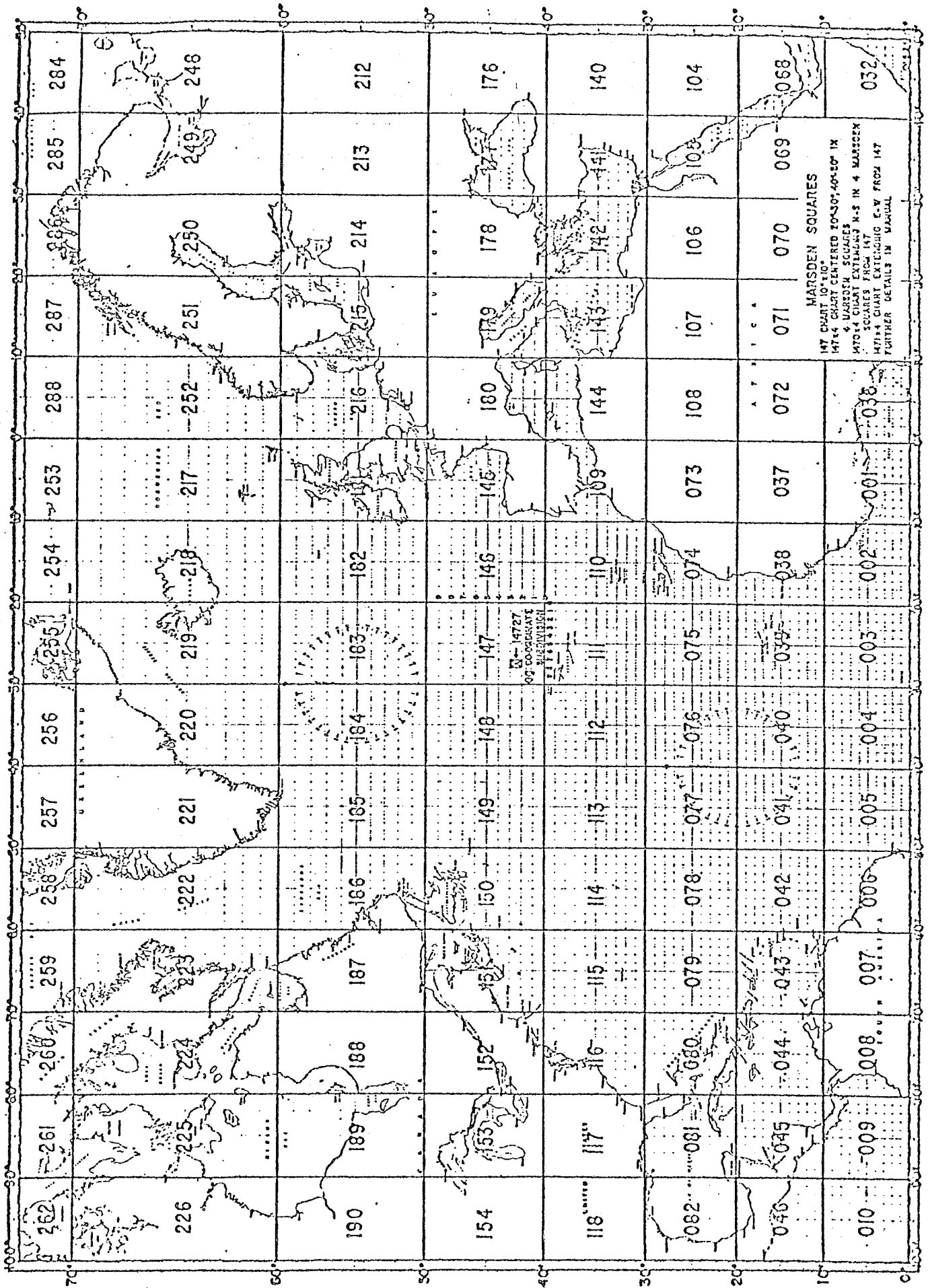


Figure 2

4. Data in MSQ 111, 145, 147, and 148

The number of stations, mean values, maximum values and minimum values of free air and magnetic anomalies in each one degree square (ODS) are given. It should be noted that the maximum values or the minimum values may contain errors within the given ODS. (See Appendix B).

MARSDEN SQUARE 111

HUDSON 66-019	3300
HUDSON 69-022	2047

MARSDEN SQUARE 145

HUDSON 65-006	8638
---------------	------

MARSDEN SQUARE 146

HUDSON 65-006	3589
---------------	------

MARSDEN SQUARE 147

HUDSON 65-006	8403
HUDSON 66-019	36182
HUDSON 68-022	21272

MARSDEN SQUARE 148

HUDSON 65-006	3462
HUDSON 66-019	6196
HUDSON 68-002	3676

5. Applications of Six-Minute Grid Mean Data

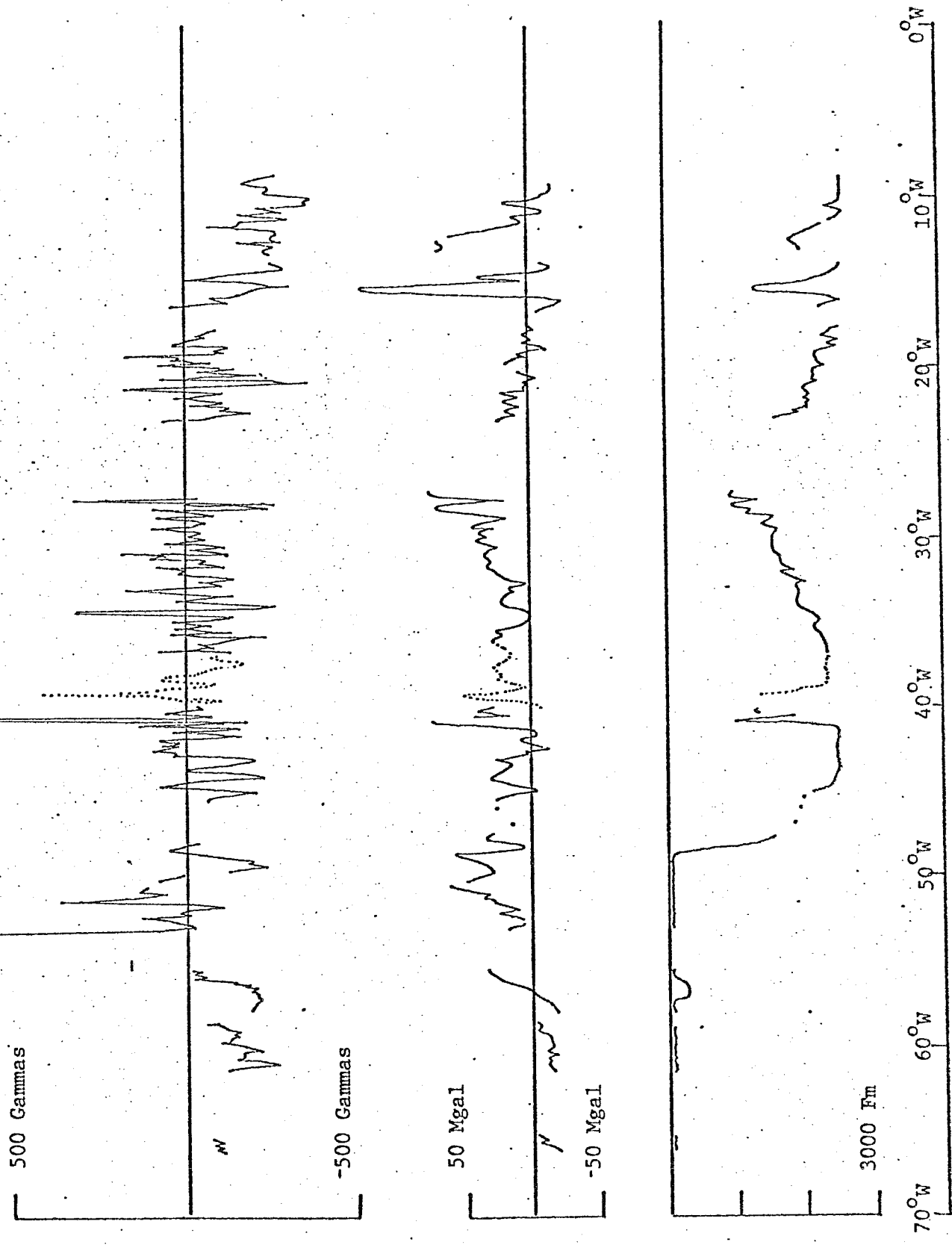
Figure 3 is a six-minute grid mean bathymetric profile, free air profile and magnetic anomaly profile across the Atlantic Ocean along 45.05°N . One six-minute grid at 45.0°N covers an area of $11\text{ km} \times 8\text{ km}$.

The bathymetric profile shows the Milne Seamount, Mid-Atlantic Ridge and a seamount in the west European Basin. The free air profile is reasonably parallel to the topographic profile along this line except over the tail of the Grand Banks and the Newfoundland Basin. This may reveal evidence of a strong correspondence between topography and regional gravity features in the north Atlantic Ocean (Talwani and LePichon, 1969). Another remarkable feature of the free air along this line is the extremely high anomaly over the seamount in the west European Basin, compared with the ridge area.

Two extremely high magnetic anomalies can be seen in Figure 3. The anomaly at the south of Whale Bank (45.05°N , 53.55°W) is known along the belt of intrusives (R. Haworth and B. MacIntyre, 1975). The other is over the Milne Seamount (45.05°N , 40.95°W).

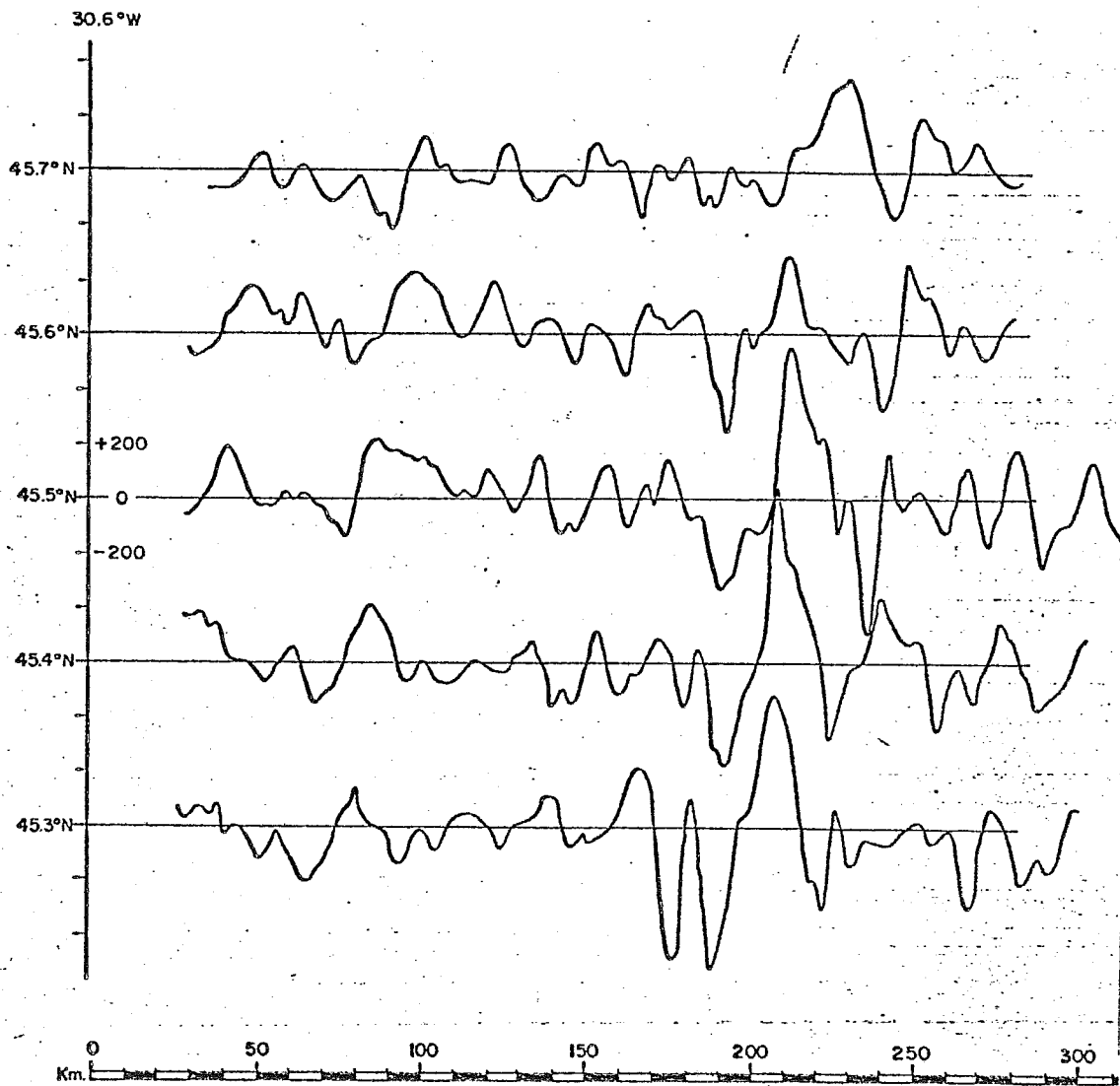
A second application of the six-minute grid mean data is the E-W trend profiles over the Mid-Atlantic Ridge area from 45°N - 46°N and 27°W - 30°W . Five E-W trend magnetic anomaly profiles obtained by Loncarevic and Parker in 1971 are shown in Figure 4. Ten six-minute grid mean anomaly profiles based on the same data are given in Figure 5.

Although Loncarevic and Parker saw no clear correlations between the profiles, anomaly 5 and anomaly 3, with less certainty, have been picked out and related to synthetic anomaly profiles compiled by Williams (1974). The six-minute grid mean magnetic anomaly profiles show clearly the lineations of anomaly 5. The trend direction of the magnetic lineations of anomaly 1 and anomaly 5 can be seen in the six-minute grid mean magnetic anomaly profiles.



Six-minute grid mean profiles cross Atlantic Ocean along 45.05°N (February 1977)

Figure 3



Magnetic anomaly profiles along east-west strips, 0.1° of latitude apart. Each strip is 4.4 km wide ($\pm 0.02^\circ$ Lat.). There is no clear correlation of characteristics from one profile to the next.

Figure 4

46°N

45°N

27°W

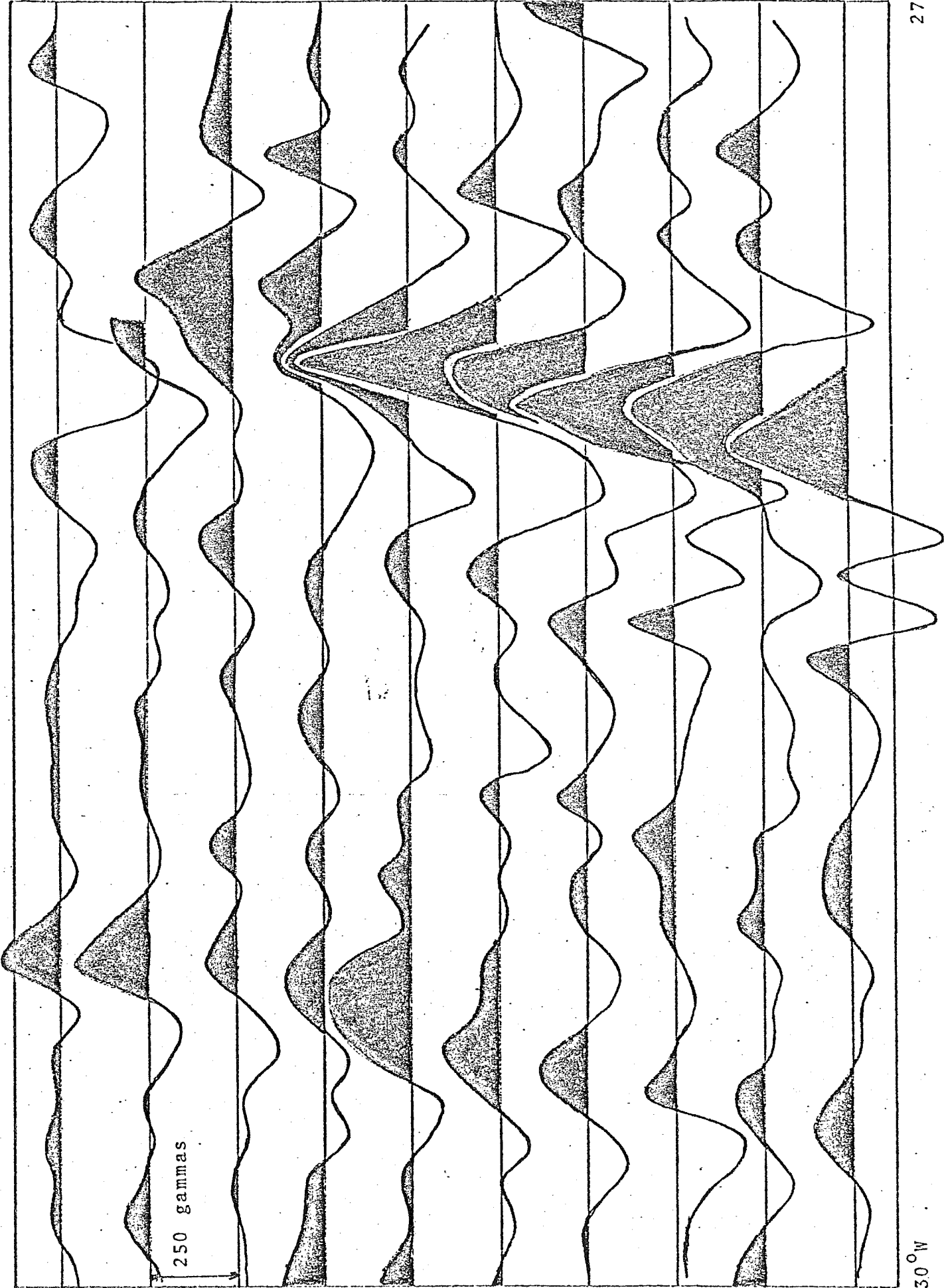


Figure 5 Six-minute grid mean magnetic anomalies. February 1977

30°W

6. Data Presentation

The six-minute grid mean values of free air and magnetic anomalies in MSQ 111, 145, 146, 147 and 148 are given in appendices C to L. The results are based on 96,800 stations.

7. Reference

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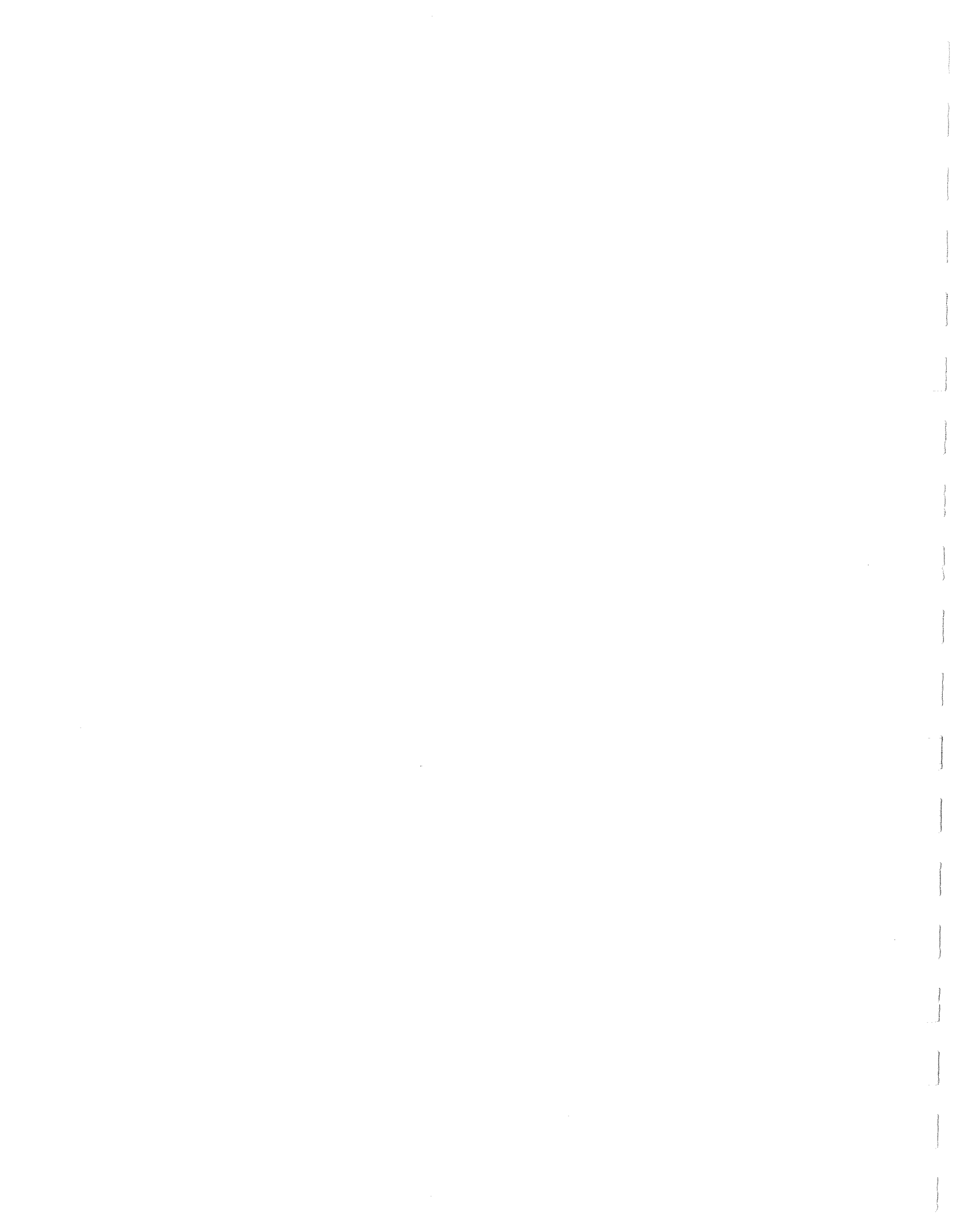
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Gravity Field Over the Atlantic Ocean, In the Earth's Crust and Upper Mantle, Geophysical Monographic 13, American Geophysical Union, Washington D.C., 345-351 pp.

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867-871 pp.







Appendix A

AGC CRUISE DATA ENTERED

INTO

GEODATABASE

February 15, 1977

TABLE 1

CRUISE DATA FROM 1963 - 1969

CRUISE		DAYS	DATA TYPE	MSQ	STATIONS
BAFFIN	64-019	020	B. G. M.	151	12097
HUDSON	65-006	036	B. G. M.	145	8636
				146	3589
				147	8403
				148	3462
				149	3437
				150	3365
				151	759
				181	4521
HUDSON	66-008	021	B. G. M.	149	3997
				150	7609
HUDSON	66-019	051	B. G. M.	111	3300
				115	8785
				147	36182
				148	6196
				149	6933
				150	9695
				151	4604
BAFFIN	67-014	113	B. G. M.	149	51342
				150	33359
BAFFIN	68-021	098	B. G. M.	150	27273
				151	19071
				186	29114
				187	2503
HUDSON	68-022	086	B. G. M.	111	2047
				147	21272
				148	3676
				149	3499
				150	3420
BAFFIN	69-021	067	B. G. M.	150	12024
				151	54400

TABLE 2
CRUISE DATA IN 1971

CRUISE		DAYS	DATA TYPE	MSD	STATIONS
HUDSON	71-014	036	B. G. M.	115	540
				151	37226
BAFFIN	71-017	127	B. G. M.	149	59193
				150	33557
				151	3089
HUDSON	71-032	056	B. G. M.	150	1311
				151	686
				185	1163
				186	4958
				187	656
				222	10052
				223	9302
				224	3069
				225	469
				258	5514
				259	10707
				260	10854
261	1153				

TABLE 3
CRUISE DATA IN 1972

CRUISE		DAYS	DATA TYPE	MSQ	STATIONS
DAWSON	72-009	030	B.G.M.	150 151	28161 3072
MINNA	72-015	070	B.G.M.	149 150 151	31411 43787 61 ^B
HUDSON	72-021	031	B.G.M.	114 150 151	481 24182 8283
HUDSON	72-025	031	B.G.M.	150 151 185 186	6421 617 4284 29945

TABLE 4
 CRUISE DATA IN 1973

CRUISE	DAYS	DATA TYPE	MSD	STATIONS
HUDSON 73-011	047	B. S. M.	114	2497
			115	682
			149	7455
			150	18501
			151	17661
JAWSON 73-027	050	B. S. M.	150	2075
			151	3095
			186	44751
			187	1543
JAWSON 73-034	017	B. S. M.	149	5755
			150	12838
			151	1347

TABLE 5
CRUISE DATA IN 1974

CRUISE		DAYS	DATA TYPE	MSQ	STATIONS
MINNA	74-023	050	B.G.M.	150	3840
				151	50
				185	8072
				186	39078
				187	1861
				221	1274
				222	6616
				223	400

TABLE 6
CRUISE DATA IN 1975

CRUISE		DAYS	DATA TYPE	MSQ	STATIONS
HUDSON	75-009 (4,5)	040	B.G.M.	150	1314
				185	5148
				186	5500
				187	1969
				221	1932
				222	16248
				223	7257





Appendix B

ONE-DEGREE GRID MEAN VALUES OF

F.A. AND M.A.

IN

MSQ 111, 145, 146, 147, AND 148

February 15, 1977

MSQ 147 FEBRUARY 1977

GRID MEAN FREE AIR

	29	28	27	26	25	24	23	22	21	20	
49	0	0	0	0	0	0	0	0	0	0	STATION
	0	0	0	0	0	0	0	0	0	0	MEAN
	0	0	0	0	0	0	0	0	0	0	MAXIMUM
	0	0	0	0	0	0	0	0	0	0	MINIMUM
48	0	0	0	0	0	0	0	0	0	0	STATION
	0	0	0	0	0	0	0	0	0	0	MEAN
	0	0	0	0	0	0	0	0	0	0	MAXIMUM
	0	0	0	0	0	0	0	0	0	0	MINIMUM
47	0	0	0	0	0	0	0	0	0	0	STATION
	0	0	0	0	0	0	0	0	0	0	MEAN
	0	0	0	0	0	0	0	0	0	0	MAXIMUM
	0	0	0	0	0	0	0	0	0	0	MINIMUM
46	280	122	279	179	178	130	170	157	165	178	STATION
	29	32	54	52	41	36	50	22	5	42	MEAN
	49	55	85	73	58	56	63	59	23	57	MAXIMUM
	12	21	14	31	27	26	34	-7	-11	21	MINIMUM
45	12034	13426	8405	1873	343	126	70	190	174	137	STATION
	34	46	47	37	43	40	19	12	9	2	MEAN
	136	121	119	69	57	49	42	28	36	22	MAXIMUM
	-53	-9	-35	-27	17	35	2	-6	-20	-20	MINIMUM
44	521	628	835	139	399	398	120	0	0	0	STATION
	36	54	50	14	35	23	13	0	0	0	MEAN
	56	101	147	40	90	49	32	0	0	0	MAXIMUM
	13	-2	-8	-13	-30	-11	-13	0	0	0	MINIMUM
43	222	135	411	0	219	224	0	0	0	0	STATION
	47	44	34	0	33	34	0	0	0	0	MEAN
	77	82	60	0	47	52	0	0	0	0	MAXIMUM
	29	24	12	0	27	-509	0	0	0	0	MINIMUM
42	241	252	396	0	198	234	0	0	0	0	STATION
	68	36	34	0	32	21	0	0	0	0	MEAN
	87	64	61	0	45	35	0	0	0	0	MAXIMUM
	56	9	16	0	19	10	0	0	0	0	MINIMUM
41	241	376	165	154	389	89	0	0	0	0	STATION
	70	46	36	49	29	30	0	0	0	0	MEAN
	87	66	52	59	39	37	0	0	0	0	MAXIMUM
	56	26	14	34	14	24	0	0	0	0	MINIMUM
40	342	292	0	194	497	0	0	0	0	0	STATION
	45	39	0	31	30	0	0	0	0	0	MEAN
	96	70	0	121	52	0	0	0	0	0	MAXIMUM
	-7	13	0	18	11	0	0	0	0	0	MINIMUM

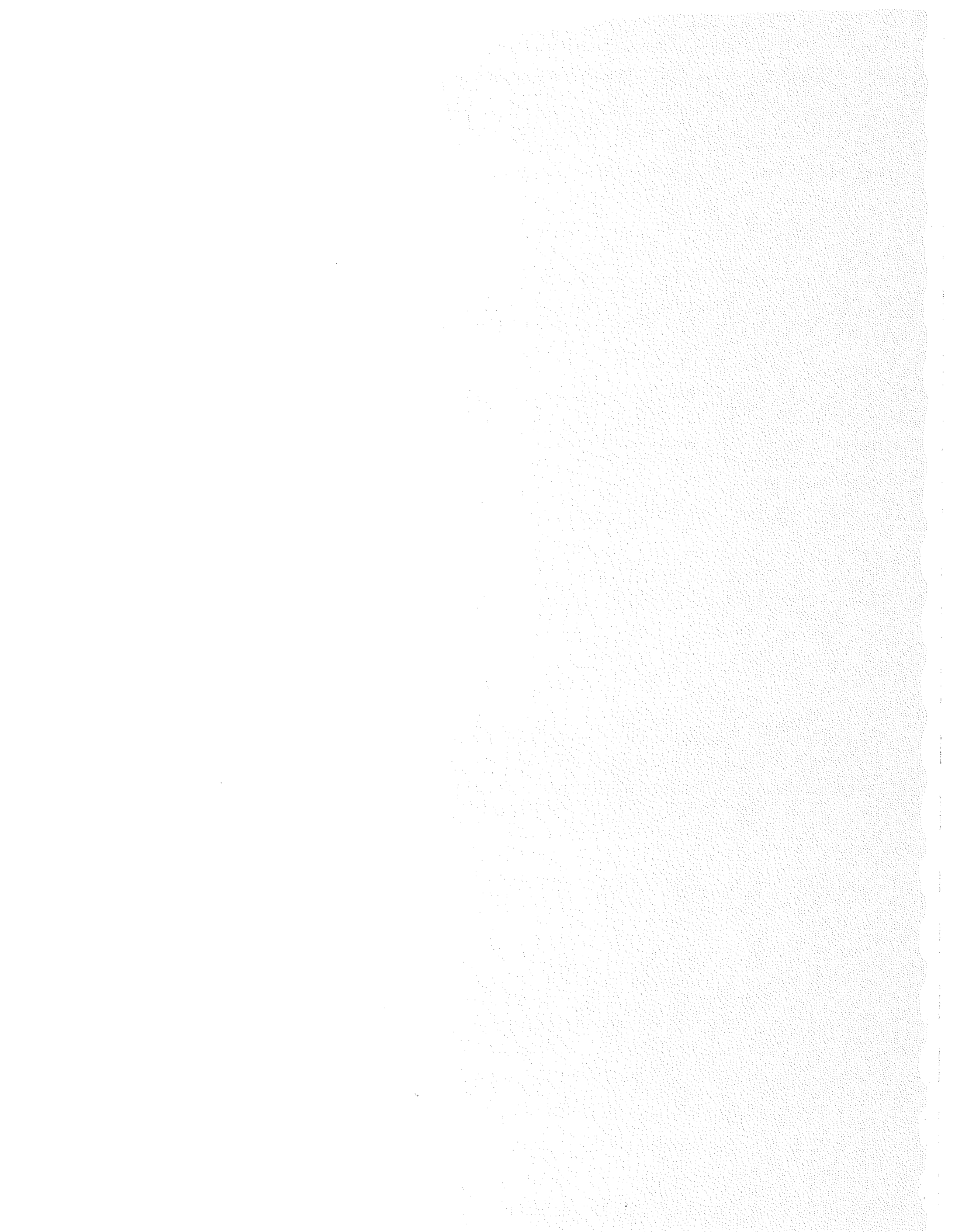
MSQ 147 FEBRUARY 1977

GRID MEAN MAG ANOMALY

	29	28	27	26	25	24	23	22	21	20	
49	0	0	0	0	0	0	0	0	0	0	STATION
	0	0	0	0	0	0	0	0	0	0	MEAN
	0	0	0	0	0	0	0	0	0	0	MAXIMUM
	0	0	0	0	0	0	0	0	0	0	MINIMUM
48	0	0	0	0	0	0	0	0	0	0	STATION
	0	0	0	0	0	0	0	0	0	0	MEAN
	0	0	0	0	0	0	0	0	0	0	MAXIMUM
	0	0	0	0	0	0	0	0	0	0	MINIMUM
47	0	0	0	0	0	0	0	0	0	0	STATION
	0	0	0	0	0	0	0	0	0	0	MEAN
	0	0	0	0	0	0	0	0	0	0	MAXIMUM
	0	0	0	0	0	0	0	0	0	0	MINIMUM
46	396	184	329	178	178	171	170	153	171	178	STATION
	30	34	-33	-9	29	-20	-49	-34	22	-36	MEAN
	218	138	467	186	239	141	96	18	104	159	MAXIMUM
	-122	-74	-313	-337	-81	-156	-165	-145	-93	-226	MINIMUM
45	16189	19874	11799	2384	465	130	69	189	188	140	STATION
	18	-33	69	-29	21	-54	-30	-83	-32	-117	MEAN
	444	826	851	226	208	115	101	93	234	146	MAXIMUM
	-1453	-731	-642	-327	-245	-271	-163	-222	-277	-388	MINIMUM
44	566	799	1127	189	450	439	117	0	0	0	STATION
	-3	25	-9	-29	8	34	-8	0	0	0	MEAN
	267	833	750	129	315	284	167	0	0	0	MAXIMUM
	-322	-398	-449	-227	-148	-308	-177	0	0	0	MINIMUM
43	265	227	525	0	268	254	0	0	0	0	STATION
	-40	-40	10	0	-12	-42	0	0	0	0	MEAN
	201	355	176	0	144	47	0	0	0	0	MAXIMUM
	-357	-643	-178	0	-104	-167	0	0	0	0	MINIMUM
42	256	269	533	0	250	235	0	0	0	0	STATION
	-146	-184	-21	0	41	29	0	0	0	0	MEAN
	243	56	232	0	195	139	0	0	0	0	MAXIMUM
	-733	-502	-238	0	-61	-108	0	0	0	0	MINIMUM
41	259	466	172	154	439	89	0	0	0	0	STATION
	-152	-55	-3	-19	19	28	0	0	0	0	MEAN
	246	236	135	218	127	108	0	0	0	0	MAXIMUM
	-653	-399	-119	-183	-55	-44	0	0	0	0	MINIMUM
40	446	353	0	260	533	0	0	0	0	0	STATION
	-44	-54	0	38	14	0	0	0	0	0	MEAN
	520	175	0	572	138	0	0	0	0	0	MAXIMUM
	-649	-297	0	-298	-139	0	0	0	0	0	MINIMUM







Appendix C

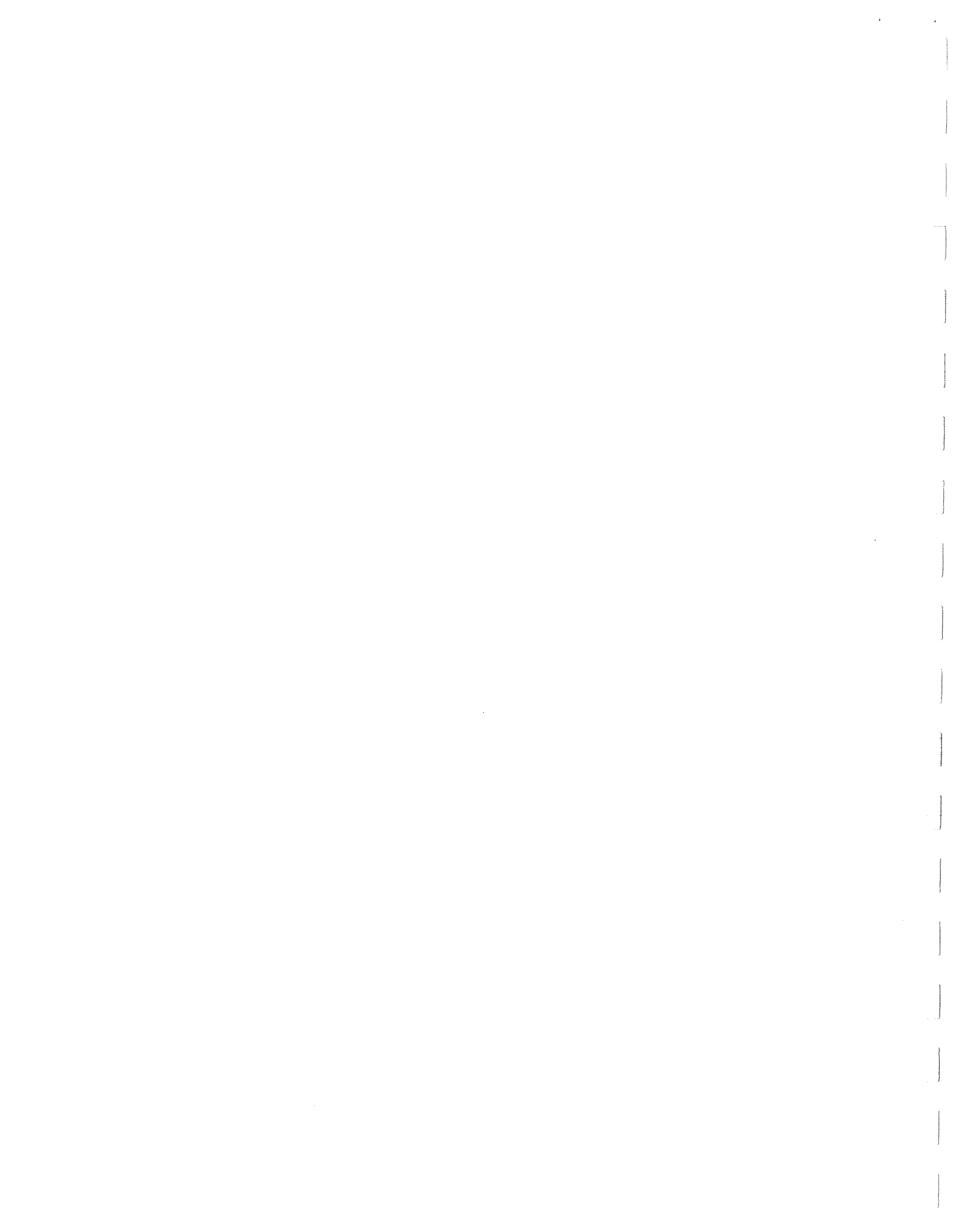
SIX-MINUTE GRID MEAN VALUES OF

FREE AIR GRAVITY

IN

MARSDEN SQUARE 111

February 15, 1977



GRAVITY STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
37.95	0	0	0	0	0	0	0	0	0	0
37.85	22	22	22	21	5	21	22	20	19	19
37.75	0	0	0	0	0	0	0	0	0	0
37.65	0	0	0	0	0	0	0	0	0	0
37.55	0	0	0	0	0	0	0	0	0	0
37.45	0	0	0	0	0	0	0	0	0	0
37.35	0	0	0	0	0	0	0	0	0	0
37.25	0	0	0	0	0	0	0	0	0	0
37.15	0	0	0	4	21	21	22	4	15	11
37.05	21	22	21	18	0	0	0	0	0	0

GRID MEAN OF GRAVITY (FA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
37.95	0	0	0	0	0	0	0	0	0	0
37.85	36	68	95	49	16	27	35	49	57	55
37.75	0	0	0	0	0	0	0	0	0	0
37.65	0	0	0	0	0	0	0	0	0	0
37.55	0	0	0	0	0	0	0	0	0	0
37.45	0	0	0	0	0	0	0	0	0	0
37.35	0	0	0	0	0	0	0	0	0	0
37.25	0	0	0	0	0	0	0	0	0	0
37.15	0	0	0	24	26	47	13	12	33	42
37.05	45	35	28	25	0	0	0	0	0	0

GRAVITY STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
37.95	0	0	0	0	0	1	11	18	24	17
37.85	0	0	0	0	0	0	0	0	0	7
37.75	0	0	0	0	0	24	0	0	0	0
37.65	0	0	0	0	0	26	0	0	0	0
37.55	0	0	0	0	0	27	0	0	0	0
37.45	0	0	0	0	0	26	0	0	0	0
37.35	0	0	0	0	0	27	0	0	0	0
37.25	0	0	0	0	0	25	0	0	0	0
37.15	0	0	0	0	0	26	0	0	0	0
37.05	0	0	0	0	0	17	0	0	24	23

GRID MEAN OF GRAVITY (FA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
37.95	0	0	0	0	0	49	56	75	49	26
37.85	0	0	0	0	0	0	0	0	0	28
37.75	0	0	0	0	0	56	0	0	0	0
37.65	0	0	0	0	0	48	0	0	0	0
37.55	0	0	0	0	0	43	0	0	0	0
37.45	0	0	0	0	0	50	0	0	0	0
37.35	0	0	0	0	0	50	0	0	0	0
37.25	0	0	0	0	0	52	0	0	0	0
37.15	0	0	0	0	0	62	0	0	0	0
37.05	0	0	0	0	0	41	0	0	55	54

GRAVITY STATIONS

	26 .95	26 .85	26 .75	26 .65	26 .55	26 .45	26 .35	26 .25	26 .15	26 .05
38.95	0	0	0	0	0	0	0	44	0	0
38.85	0	0	0	0	0	0	0	8	8	0
38.75	0	0	0	0	0	0	0	0	37	0
38.65	0	0	0	0	0	0	0	0	23	0
38.55	0	0	0	0	0	0	0	0	0	3
38.45	0	0	0	0	0	0	0	0	0	37
38.35	0	0	0	0	0	0	0	0	0	36
38.25	0	0	0	0	0	0	0	0	0	30
38.15	0	0	0	15	6	12	0	0	0	0
38.05	0	0	0	0	0	3	0	20	8	0

GRID MEAN OF GRAVITY (FA)

	26 .95	26 .85	26 .75	26 .65	26 .55	26 .45	26 .35	26 .25	26 .15	26 .05
38.95	0	0	0	0	0	0	0	26	0	0
38.85	0	0	0	0	0	0	0	16	26	0
38.75	0	0	0	0	0	0	0	0	29	0
38.65	0	0	0	0	0	0	0	0	47	0
38.55	0	0	0	0	0	0	0	0	0	52
38.45	0	0	0	0	0	0	0	0	0	16
38.35	0	0	0	0	0	0	0	0	0	9
38.25	0	0	0	0	0	0	0	0	0	57
38.15	0	0	0	38	1	-15	0	0	0	0
38.05	0	0	0	0	0	-28	0	-50	-56	0

GRAVITY STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
39.95	0	0	0	0	27	0	0	0	27	0
39.85	0	0	0	0	27	0	0	0	25	0
39.75	0	0	0	0	26	0	0	0	24	0
39.65	0	0	0	0	27	0	0	0	0	0
39.55	0	0	0	0	22	0	0	12	0	0
39.45	0	0	0	0	14	0	0	28	0	0
39.35	0	0	0	0	26	0	0	28	0	0
39.25	0	0	0	0	27	0	0	19	0	0
39.15	0	0	0	0	26	0	0	11	0	0
39.05	0	0	0	0	18	0	0	20	0	0

GRID MEAN OF GRAVITY (FA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
39.95	0	0	0	0	22	0	0	0	51	0
39.85	0	0	0	0	51	0	0	0	45	0
39.75	0	0	0	0	59	0	0	0	33	0
39.65	0	0	0	0	61	0	0	0	0	0
39.55	0	0	0	0	55	0	0	57	0	0
39.45	0	0	0	0	41	0	0	44	0	0
39.35	0	0	0	0	36	0	0	34	0	0
39.25	0	0	0	0	56	0	0	49	0	0
39.15	0	0	0	0	52	0	0	39	0	0
39.05	0	0	0	0	46	0	0	29	0	0

GRAVITY STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
39.95	0	0	0	13	6	0	0	0	0	0
39.85	0	0	0	25	0	0	0	0	0	0
39.75	0	0	0	25	0	0	0	0	0	0
39.65	0	0	0	25	0	0	0	0	0	0
39.55	0	0	25	0	0	0	0	0	0	0
39.45	0	0	25	0	0	0	0	0	0	0
39.35	0	0	25	0	0	0	0	0	0	0
39.25	0	0	22	0	0	0	0	0	0	0
39.15	0	14	1	0	0	0	0	0	0	0
39.05	0	25	0	0	0	0	0	0	0	0

GRID MEAN OF GRAVITY (FA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
39.95	0	0	0	29	32	0	0	0	0	0
39.85	0	0	0	27	0	0	0	0	0	0
39.75	0	0	0	20	0	0	0	0	0	0
39.65	0	0	0	32	0	0	0	0	0	0
39.55	0	0	57	0	0	0	0	0	0	0
39.45	0	0	42	0	0	0	0	0	0	0
39.35	0	0	43	0	0	0	0	0	0	0
39.25	0	0	57	0	0	0	0	0	0	0
39.15	0	43	42	0	0	0	0	0	0	0
39.05	0	21	0	0	0	0	0	0	0	0

GRAVITY STATIONS

	26 .95	26 .85	25 .75	26 .65	26 .55	26 .45	26 .35	26 .25	26 .15	26 .05
39.95	0	0	0	0	11	0	0	0	0	0
39.85	0	0	0	0	27	0	0	0	0	0
39.75	0	0	0	0	13	15	0	0	0	0
39.65	0	0	0	0	0	26	0	0	0	0
39.55	0	0	0	0	0	27	0	0	0	0
39.45	0	0	0	0	0	11	15	0	0	0
39.35	0	0	0	0	0	0	27	0	0	0
39.25	0	0	0	0	0	0	26	0	0	0
39.15	0	0	0	0	0	0	9	17	0	0
39.05	0	0	0	0	0	0	0	30	0	0

GRID MEAN OF GRAVITY (FA)

	26 .95	26 .85	25 .75	26 .65	26 .55	26 .45	26 .35	26 .25	26 .15	26 .05
39.95	0	0	0	0	21	0	0	0	0	0
39.85	0	0	0	0	23	0	0	0	0	0
39.75	0	0	0	0	24	30	0	0	0	0
39.65	0	0	0	0	0	30	0	0	0	0
39.55	0	0	0	0	0	24	0	0	0	0
39.45	0	0	0	0	0	28	30	0	0	0
39.35	0	0	0	0	0	0	33	0	0	0
39.25	0	0	0	0	0	0	36	0	0	0
39.15	0	0	0	0	0	0	34	34	0	0
39.05	0	0	0	0	0	0	0	33	0	0

GRAVITY STATIONS

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
39.95	0	0	0	0	0	0	0	0	0	22
39.85	0	0	0	0	0	25	0	0	0	15
39.75	0	0	0	0	0	28	0	0	0	25
39.65	0	0	0	0	0	27	0	0	0	27
39.55	0	0	0	0	0	27	0	0	0	26
39.45	0	0	0	0	0	27	0	0	0	27
39.35	0	0	0	0	0	28	0	0	0	27
39.25	0	0	0	0	0	15	0	0	0	26
39.15	0	0	0	0	0	20	0	0	0	27
39.05	0	0	0	0	0	20	0	0	0	26

GRID MEAN OF GRAVITY (FA)

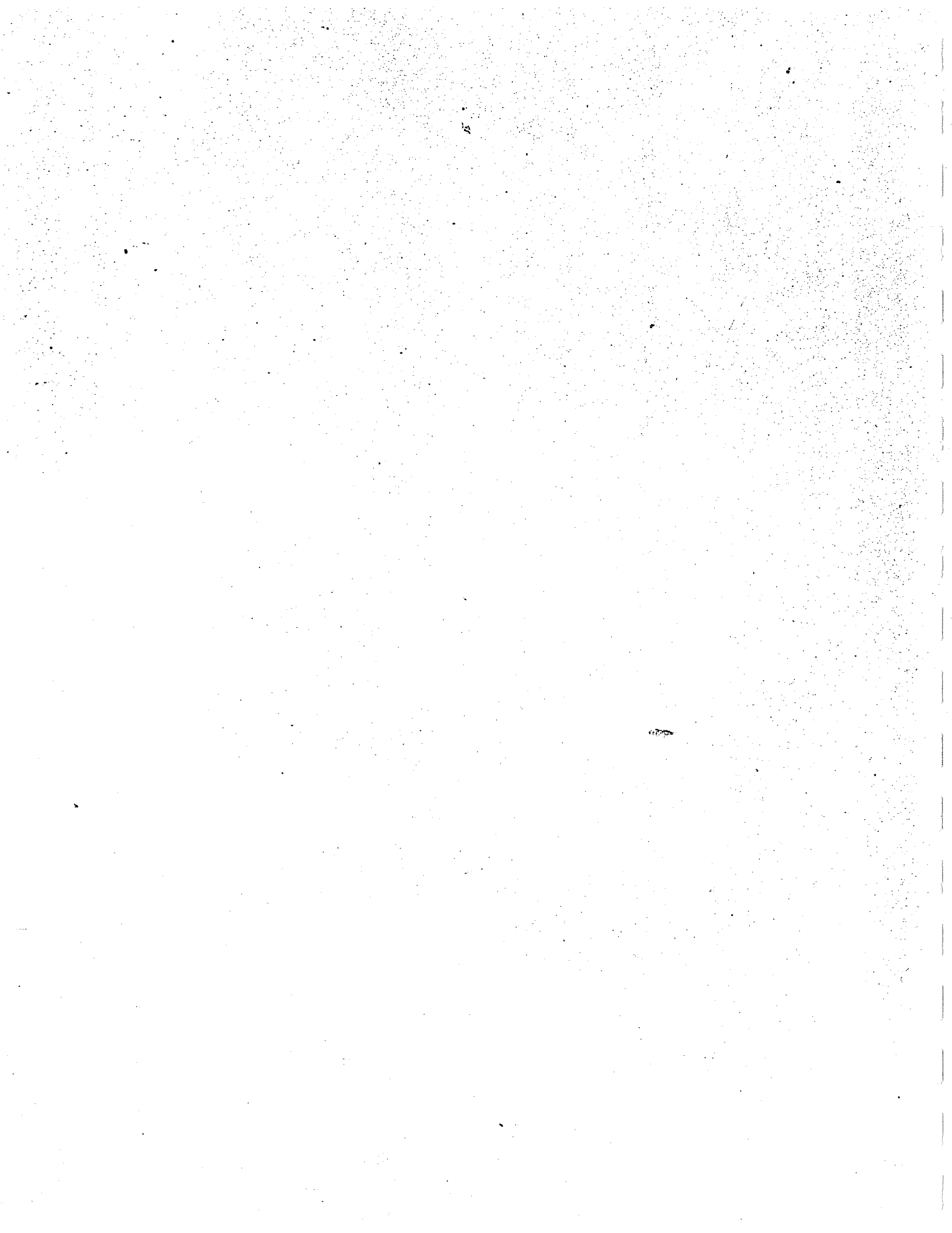
	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
39.95	0	0	0	0	0	0	0	0	0	25
39.85	0	0	0	0	0	31	0	0	0	38
39.75	0	0	0	0	0	44	0	0	0	32
39.65	0	0	0	0	0	49	0	0	0	28
39.55	0	0	0	0	0	42	0	0	0	25
39.45	0	0	0	0	0	35	0	0	0	32
39.35	0	0	0	0	0	36	0	0	0	46
39.25	0	0	0	0	0	36	0	0	0	39
39.15	0	0	0	0	0	38	0	0	0	33
39.05	0	0	0	0	0	41	0	0	0	46

GRAVITY STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
38.95	0	0	0	0	27	0	0	25	0	0
38.85	0	0	0	0	26	0	1	24	0	0
38.75	0	0	0	0	26	0	25	0	0	0
38.65	0	0	0	0	27	0	30	0	0	0
38.55	0	0	0	0	26	0	18	0	0	0
38.45	0	0	0	0	27	0	7	0	0	0
38.35	0	0	0	0	26	0	8	0	0	0
38.25	0	0	0	0	5	14	19	0	0	0
38.15	0	0	0	0	0	12	0	0	0	0
38.05	0	0	0	0	0	28	0	0	0	0

GRID MEAN OF GRAVITY (FA)

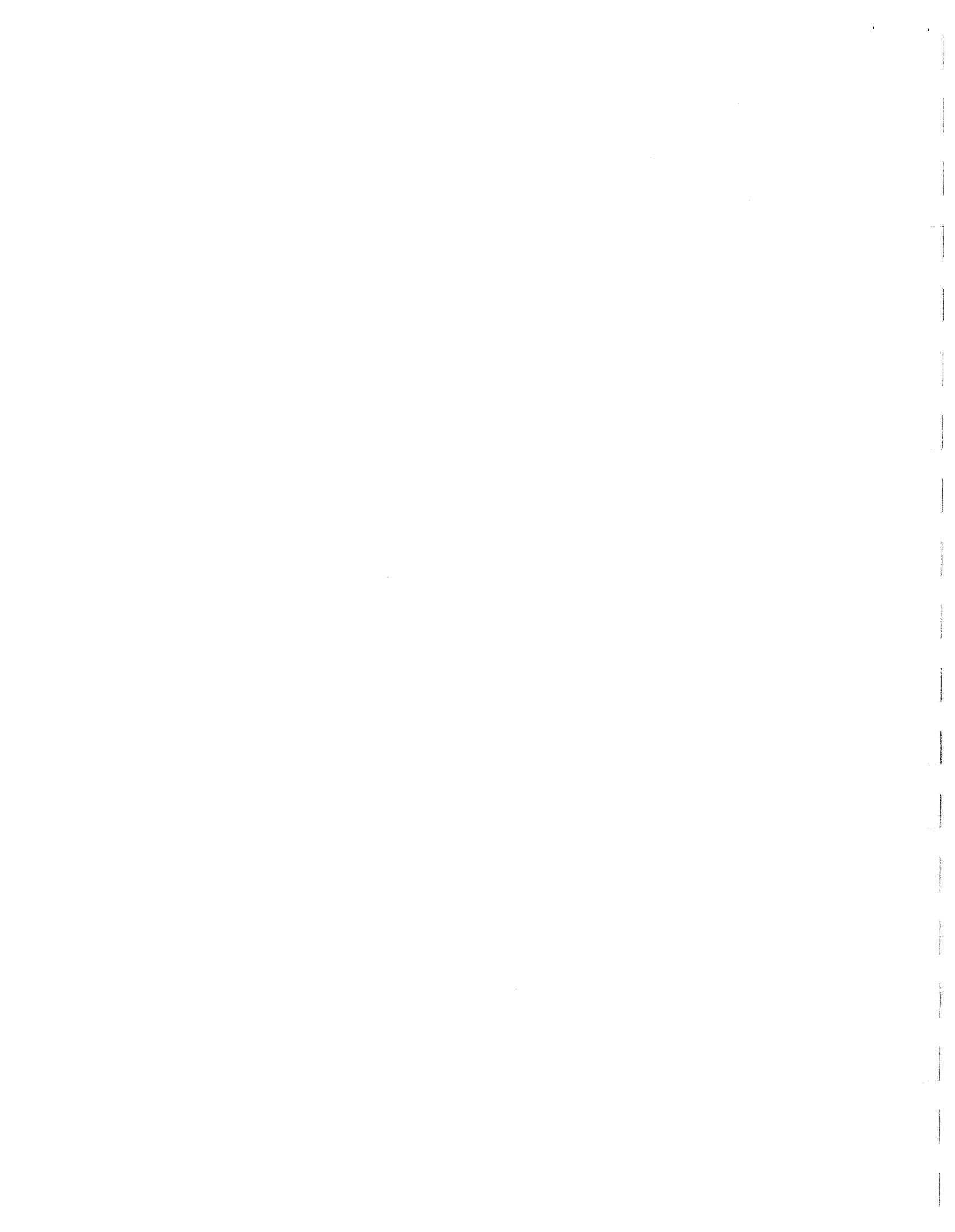
	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
38.95	0	0	0	0	51	0	0	41	0	0
38.85	0	0	0	0	39	0	50	49	0	0
38.75	0	0	0	0	37	0	44	0	0	0
38.65	0	0	0	0	47	0	33	0	0	0
38.55	0	0	0	0	43	0	34	0	0	0
38.45	0	0	0	0	58	0	78	0	0	0
38.35	0	0	0	0	68	0	79	0	0	0
38.25	0	0	0	0	72	71	67	0	0	0
38.15	0	0	0	0	0	-13	0	0	0	0
38.05	0	0	0	0	0	16	0	0	0	0



Appendix D

SIX-MINUTE GRID MEAN VALUES OF
MAGNETIC ANOMALIES
IN
MARSDEN SQUARE 111

February 15, 1977



MAG STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
37.95	0	0	0	0	0	0	0	0	0	0
37.85	22	22	22	21	22	21	22	20	19	19
37.75	0	0	0	0	0	0	0	0	0	0
37.65	0	0	0	0	0	0	0	0	0	0
37.55	0	0	0	0	0	0	0	0	0	0
37.45	0	0	0	0	0	0	0	0	0	0
37.35	0	0	0	0	0	0	0	0	0	0
37.25	0	0	0	0	0	0	0	0	0	0
37.15	0	0	0	4	21	22	22	22	21	22
37.05	21	22	21	18	0	0	0	0	0	0

GRID MEAN OF MAG (MA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
37.95	0	0	0	0	0	0	0	0	0	0
37.85	93	170	240	51	-74	-117	-49	-213	-313	-122
37.75	0	0	0	0	0	0	0	0	0	0
37.65	0	0	0	0	0	0	0	0	0	0
37.55	0	0	0	0	0	0	0	0	0	0
37.45	0	0	0	0	0	0	0	0	0	0
37.35	0	0	0	0	0	0	0	0	0	0
37.25	0	0	0	0	0	0	0	0	0	0
37.15	0	0	0	69	113	209	156	150	135	-50
37.05	30	-66	-144	-4	0	0	0	0	0	0

MAG STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
37.95	0	0	0	0	0	34	17	24	24	17
37.85	0	0	0	0	0	27	0	0	0	7
37.75	0	0	0	0	0	26	0	0	0	0
37.65	0	0	0	0	0	26	0	0	0	0
37.55	0	0	0	0	0	27	0	0	0	0
37.45	0	0	0	0	0	26	0	0	0	0
37.35	0	0	0	0	0	27	0	0	0	0
37.25	0	0	0	0	0	25	0	0	0	0
37.15	0	0	0	0	0	26	0	0	0	0
37.05	0	0	0	0	0	27	0	0	24	23

GRID MEAN OF MAG(MA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
37.95	0	0	0	0	0	-82	-137	-38	193	413
37.85	0	0	0	0	0	-85	0	0	0	220
37.75	0	0	0	0	0	280	0	0	0	0
37.65	0	0	0	0	0	120	0	0	0	0
37.55	0	0	0	0	0	188	0	0	0	0
37.45	0	0	0	0	0	132	0	0	0	0
37.35	0	0	0	0	0	75	0	0	0	0
37.25	0	0	0	0	0	-82	0	0	0	0
37.15	0	0	0	0	0	76	0	0	0	0
37.05	0	0	0	0	0	-21	0	0	-115	-59

MAG STATIONS

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
38.95	0	0	0	0	0	27	0	0	0	27
38.85	0	0	0	0	0	27	0	0	0	26
38.75	0	0	0	0	0	26	0	0	0	27
38.65	0	0	0	0	0	27	0	0	0	27
38.55	0	0	0	0	0	27	0	0	0	28
38.45	0	0	0	0	0	26	0	0	0	27
38.35	0	0	0	0	0	27	0	0	0	27
38.25	8	0	0	0	16	10	0	0	0	27
38.15	38	0	0	0	26	0	0	0	0	27
38.05	37	0	0	0	26	0	0	0	0	27

GRID MEAN OF MAG(MA)

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
38.95	0	0	0	0	0	-92	0	0	0	-47
38.85	0	0	0	0	0	-138	0	0	0	39
38.75	0	0	0	0	0	-144	0	0	0	-12
38.65	0	0	0	0	0	-122	0	0	0	153
38.55	0	0	0	0	0	-8	0	0	0	99
38.45	0	0	0	0	0	43	0	0	0	54
38.35	0	0	0	0	0	6	0	0	0	0
38.25	-6	0	0	0	34	56	0	0	0	-7
38.15	-44	0	0	0	24	0	0	0	0	-75
38.05	-163	0	0	0	-45	0	0	0	0	-154

MAG STATIONS

	26 .95	26 .85	26 .75	26 .65	26 .55	26 .45	26 .35	26 .25	26 .15	26 .05
38.95	0	0	0	0	0	0	0	44	0	0
38.85	0	0	0	0	0	0	0	14	24	0
38.75	0	0	0	0	0	0	0	0	37	0
38.65	0	0	0	0	0	0	0	0	36	0
38.55	0	0	0	0	0	0	0	0	14	23
38.45	0	0	0	0	0	0	0	0	0	37
38.35	0	0	0	0	0	0	0	0	0	36
38.25	0	0	0	0	0	0	0	0	0	30
38.15	0	0	0	22	22	12	0	0	0	0
38.05	0	0	0	0	0	11	22	22	19	0

GRID MEAN OF MAG(MA)

	26 .95	26 .85	26 .75	26 .65	26 .55	26 .45	26 .35	26 .25	26 .15	26 .05
38.95	0	0	0	0	0	0	0	-4	0	0
38.85	0	0	0	0	0	0	0	-53	-87	0
38.75	0	0	0	0	0	0	0	0	-101	0
38.65	0	0	0	0	0	0	0	0	-19	0
38.55	0	0	0	0	0	0	0	0	197	-126
38.45	0	0	0	0	0	0	0	0	0	-89
38.35	0	0	0	0	0	0	0	0	0	53
38.25	0	0	0	0	0	0	0	0	0	80
38.15	0	0	0	107	565	245	0	0	0	0
38.05	0	0	0	0	0	145	-30	-133	-94	0

MAG STATIONS

	.29 .95	.29 .85	.29 .75	.29 .65	.29 .55	.29 .45	.29 .35	.29 .25	.29 .15	.29 .05
38.95	0	0	0	0	27	0	0	25	0	0
38.85	0	0	0	0	26	0	1	24	0	0
38.75	0	0	0	0	26	0	25	0	0	0
38.65	0	0	0	0	27	0	30	0	0	0
38.55	0	0	0	0	26	0	28	0	0	0
38.45	0	0	0	0	27	0	29	0	0	0
38.35	0	0	0	0	26	0	27	0	0	0
38.25	0	0	0	0	5	21	29	0	0	0
38.15	0	0	0	0	0	52	3	0	0	0
38.05	0	0	0	0	0	53	0	0	0	0

GRID MEAN OF MAG(MA)

	.29 .95	.29 .85	.29 .75	.29 .65	.29 .55	.29 .45	.29 .35	.29 .25	.29 .15	.29 .05
38.95	0	0	0	0	-13	0	0	87	0	0
38.85	0	0	0	0	-228	0	15	68	0	0
38.75	0	0	0	0	-147	0	-32	0	0	0
38.65	0	0	0	0	-140	0	-167	0	0	0
38.55	0	0	0	0	-60	0	-132	0	0	0
38.45	0	0	0	0	-440	0	-137	0	0	0
38.35	0	0	0	0	-84	0	-104	0	0	0
38.25	0	0	0	0	-181	-306	-18	0	0	0
38.15	0	0	0	0	0	-165	42	0	0	0
38.05	0	0	0	0	0	-312	0	0	0	0

MAG STATIONS

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
39.95	0	0	0	0	0	27	0	0	0	26
39.85	0	0	0	0	0	27	0	0	0	27
39.75	0	0	0	0	0	28	0	0	0	25
39.65	0	0	0	0	0	27	0	0	0	27
39.55	0	0	0	0	0	27	0	0	0	26
39.45	0	0	0	0	0	27	0	0	0	27
39.35	0	0	0	0	0	28	0	0	0	27
39.25	0	0	0	0	0	27	0	0	0	26
39.15	0	0	0	0	0	27	0	0	0	27
39.05	0	0	0	0	0	26	0	0	0	26

GRID MEAN OF MAG(MA)

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
39.95	0	0	0	0	0	31	0	0	0	-65
39.85	0	0	0	0	0	145	0	0	0	3
39.75	0	0	0	0	0	74	0	0	0	-73
39.65	0	0	0	0	0	-18	0	0	0	-12R
39.55	0	0	0	0	0	-72	0	0	0	-73
39.45	0	0	0	0	0	-19	0	0	0	5
39.35	0	0	0	0	0	-43	0	0	0	65
39.25	0	0	0	0	0	-41	0	0	0	-5
39.15	0	0	0	0	0	-82	0	0	0	-9R
39.05	0	0	0	0	0	-109	0	0	0	-62

MAG STATIONS

	26 .95	26 .85	26 .75	26 .65	26 .55	26 .45	26 .35	26 .25	26 .15	26 .05
39.95	0	0	0	0	25	0	0	0	0	0
39.85	0	0	0	0	27	0	0	0	0	0
39.75	0	0	0	0	13	15	0	0	0	0
39.65	0	0	0	0	0	26	0	0	0	0
39.55	0	0	0	0	0	27	0	0	0	0
39.45	0	0	0	0	0	11	15	0	0	0
39.35	0	0	0	0	0	0	27	0	0	0
39.25	0	0	0	0	0	0	26	0	0	0
39.15	0	0	0	0	0	0	10	17	0	0
39.05	0	0	0	0	0	0	0	30	0	0

GRID MEAN OF MAG(MA)

	26 .95	26 .85	26 .75	26 .65	26 .55	26 .45	26 .35	26 .25	26 .15	26 .05
39.95	0	0	0	0	73	0	0	0	0	0
39.85	0	0	0	0	-63	0	0	0	0	0
39.75	0	0	0	0	-9	-32	0	0	0	0
39.65	0	0	0	0	0	-36	0	0	0	0
39.55	0	0	0	0	0	-87	0	0	0	0
39.45	0	0	0	0	0	-89	-110	0	0	0
39.35	0	0	0	0	0	0	-76	0	0	0
39.25	0	0	0	0	0	0	124	0	0	0
39.15	0	0	0	0	0	0	70	20	0	0
39.05	0	0	0	0	0	0	0	77	0	0

MAG STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
39.95	0	0	0	13	14	0	0	0	0	0
39.85	0	0	0	26	0	0	0	0	0	0
39.75	0	0	0	26	0	0	0	0	0	0
39.65	0	0	0	25	0	0	0	0	0	0
39.55	0	0	25	0	0	0	0	0	0	0
39.45	0	0	25	0	0	0	0	0	0	0
39.35	0	0	26	0	0	0	0	0	0	0
39.25	0	0	25	0	0	0	0	0	0	0
39.15	0	14	11	0	0	0	0	0	0	0
39.05	0	25	0	0	0	0	0	0	0	0

GRID MEAN OF MAG(MA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
39.95	0	0	0	48	38	0	0	0	0	0
39.85	0	0	0	81	0	0	0	0	0	0
39.75	0	0	0	90	0	0	0	0	0	0
39.65	0	0	0	142	0	0	0	0	0	0
39.55	0	0	-9	0	0	0	0	0	0	0
39.45	0	0	-201	0	0	0	0	0	0	0
39.35	0	0	29	0	0	0	0	0	0	0
39.25	0	0	98	0	0	0	0	0	0	0
39.15	0	144	34	0	0	0	0	0	0	0
39.05	0	35	0	0	0	0	0	0	0	0

MAG STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
39.95	0	0	0	0	27	0	0	0	27	0
39.85	0	0	0	0	27	0	0	0	26	0
39.75	0	0	0	0	26	0	0	0	27	0
39.65	0	0	0	0	27	0	0	11	16	0
39.55	0	0	0	0	24	0	0	28	0	0
39.45	0	0	0	0	27	0	0	28	0	0
39.35	0	0	0	0	26	0	0	28	0	0
39.25	0	0	0	0	27	0	0	25	0	0
39.15	0	0	0	0	26	0	0	25	0	0
39.05	0	0	0	0	26	0	0	24	0	0

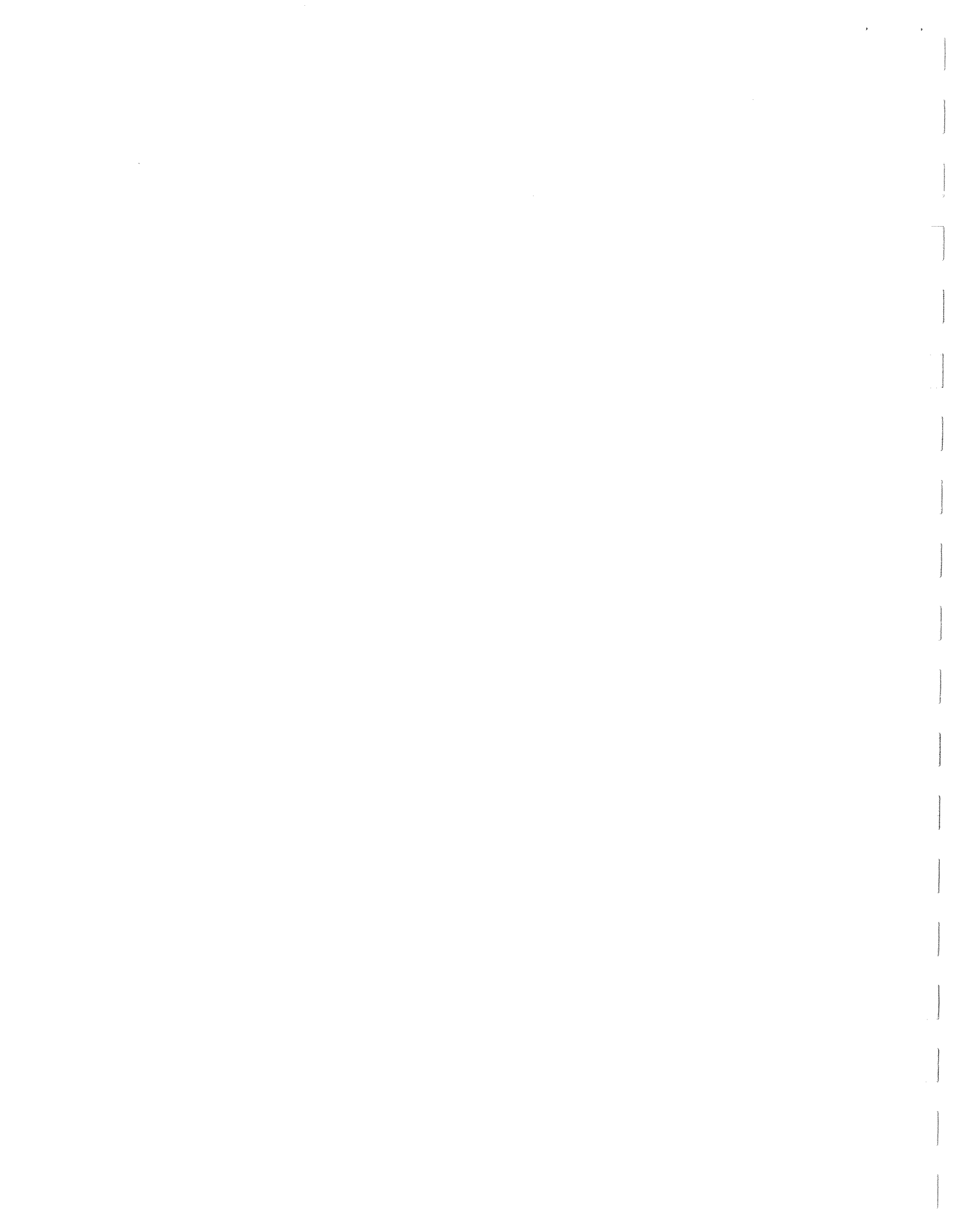
GRID MEAN OF MAG(MA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
39.95	0	0	0	0	315	0	0	0	-129	0
39.85	0	0	0	0	323	0	0	0	16	0
39.75	0	0	0	0	904	0	0	0	-115	0
39.65	0	0	0	0	44	0	0	-146	-168	0
39.55	0	0	0	0	-148	0	0	-105	0	0
39.45	0	0	0	0	-48	0	0	-132	0	0
39.35	0	0	0	0	-347	0	0	-28	0	0
39.25	0	0	0	0	-22	0	0	-154	0	0
39.15	0	0	0	0	229	0	0	-320	0	0
39.05	0	0	0	0	61	0	0	-240	0	0

Appendix E

SIX-MINUTE GRID MEAN VALUES OF
FREE AIR GRAVITY
IN
MARSDEN SQUARE 145

February 15, 1977



GRAVITY STATIONS

	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
	.95	.85	.75	.65	.55	.45	.35	.25	.15	.05
45.95	0	0	0	0	0	0	0	0	0	25
45.85	0	0	0	0	0	0	0	0	0	25
45.75	0	0	0	0	0	0	0	0	0	25
45.65	0	0	0	0	0	0	0	0	0	17
45.55	0	0	0	0	0	0	0	0	0	25
45.45	0	0	0	0	0	0	0	0	0	26
45.35	0	0	0	0	0	0	0	0	0	8
45.25	0	0	0	0	0	0	0	0	0	25
45.15	0	0	0	0	0	0	0	0	0	25
45.05	18	6	8	17	18	17	18	0	0	0

GRID MEAN OF GRAVITY (FA)

	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
	.95	.85	.75	.65	.55	.45	.35	.25	.15	.05
45.95	0	0	0	0	0	0	0	0	0	-34
45.85	0	0	0	0	0	0	0	0	0	-37
45.75	0	0	0	0	0	0	0	0	0	-29
45.65	0	0	0	0	0	0	0	0	0	-9
45.55	0	0	0	0	0	0	0	0	0	-3
45.45	0	0	0	0	0	0	0	0	0	-6
45.35	0	0	0	0	0	0	0	0	0	-11
45.25	0	0	0	0	0	0	0	0	0	-18
45.15	0	0	0	0	0	0	0	0	0	-19
45.05	-10	-10	-19	-20	-20	-18	-16	0	0	0

GRAVITY STATIONS

	9 .95	9 .85	9 .75	9 .65	9 .55	9 .45	9 .35	9 .25	9 .15	9 .05
47.95	0	0	0	0	0	0	0	0	0	0
47.85	0	0	0	0	0	0	0	0	0	0
47.75	0	0	0	0	0	0	0	0	0	0
47.65	0	0	0	9	0	0	0	0	0	0
47.55	0	0	0	24	0	0	0	0	0	0
47.45	0	0	0	17	0	0	0	0	0	0
47.35	0	0	0	20	0	0	0	0	0	0
47.25	0	0	0	6	0	0	0	0	0	0
47.15	0	0	0	24	0	0	0	0	0	0
47.05	0	0	0	21	0	0	0	0	0	0

GRID MEAN OF GRAVITY (FA)

	9 .95	9 .85	9 .75	9 .65	9 .55	9 .45	9 .35	9 .25	9 .15	9 .05
47.95	0	0	0	0	0	0	0	0	0	0
47.85	0	0	0	0	0	0	0	0	0	0
47.75	0	0	0	0	0	0	0	0	0	0
47.65	0	0	0	-55	0	0	0	0	0	0
47.55	0	0	0	-40	0	0	0	0	0	0
47.45	0	0	0	-25	0	0	0	0	0	0
47.35	0	0	0	-17	0	0	0	0	0	0
47.25	0	0	0	-15	0	0	0	0	0	0
47.15	0	0	0	-10	0	0	0	0	0	0
47.05	0	0	0	-1	0	0	0	0	0	0

GRAVITY STATIONS

	7 .95	7 .85	7 .75	7 .65	7 .55	7 .45	7 .35	7 .25	7 .15	7 .05
49.95	0	0	24	33	20	23	14	0	0	5
49.85	0	0	0	35	24	28	26	30	3	0
49.75	0	0	0	26	37	38	48	42	0	0
49.65	0	0	0	30	54	16	14	22	27	0
49.55	0	8	26	20	28	0	26	0	46	15
49.45	26	17	0	15	28	0	38	0	21	8
49.35	0	0	0	24	28	0	21	9	25	0
49.25	0	0	0	20	28	0	0	6	25	0
49.15	0	0	0	25	0	27	0	27	25	0
49.05	0	0	0	13	0	9	0	20	17	0

GRID MEAN OF GRAVITY (FA)

	7 .95	7 .85	7 .75	7 .65	7 .55	7 .45	7 .35	7 .25	7 .15	7 .05
49.95	0	0	18	23	22	23	21	0	0	23
49.85	0	0	0	24	29	27	17	20	21	0
49.75	0	0	0	29	26	17	14	13	0	0
49.65	0	0	0	19	24	18	3	-2	0	0
49.55	0	31	22	17	12	0	-5	0	3	29
49.45	24	29	0	5	2	0	18	0	17	32
49.35	0	0	0	16	17	0	18	15	21	0
49.25	0	0	0	22	17	0	0	14	23	0
49.15	0	0	0	23	0	14	0	12	25	0
49.05	0	0	0	9	0	13	0	11	20	0

GRAVITY STATIONS

	.8 .95	.8 .85	.3 .75	.3 .65	.8 .55	.8 .45	.8 .35	.8 .25	.8 .15	.8 .05
49.95	0	11	0	4	23	0	2	23	0	0
49.85	24	1	0	0	17	0	1	0	0	27
49.75	25	0	0	0	20	0	24	0	0	27
49.65	25	0	0	0	28	0	5	0	0	23
49.55	25	0	0	0	8	0	0	0	0	14
49.45	25	0	0	0	0	0	19	0	0	15
49.35	9	0	0	0	14	0	22	8	17	26
49.25	19	0	0	0	26	4	30	17	0	27
49.15	8	19	0	0	45	19	26	0	0	26
49.05	0	27	11	23	30	0	23	0	0	24

GRID MEAN OF GRAVITY (FA)

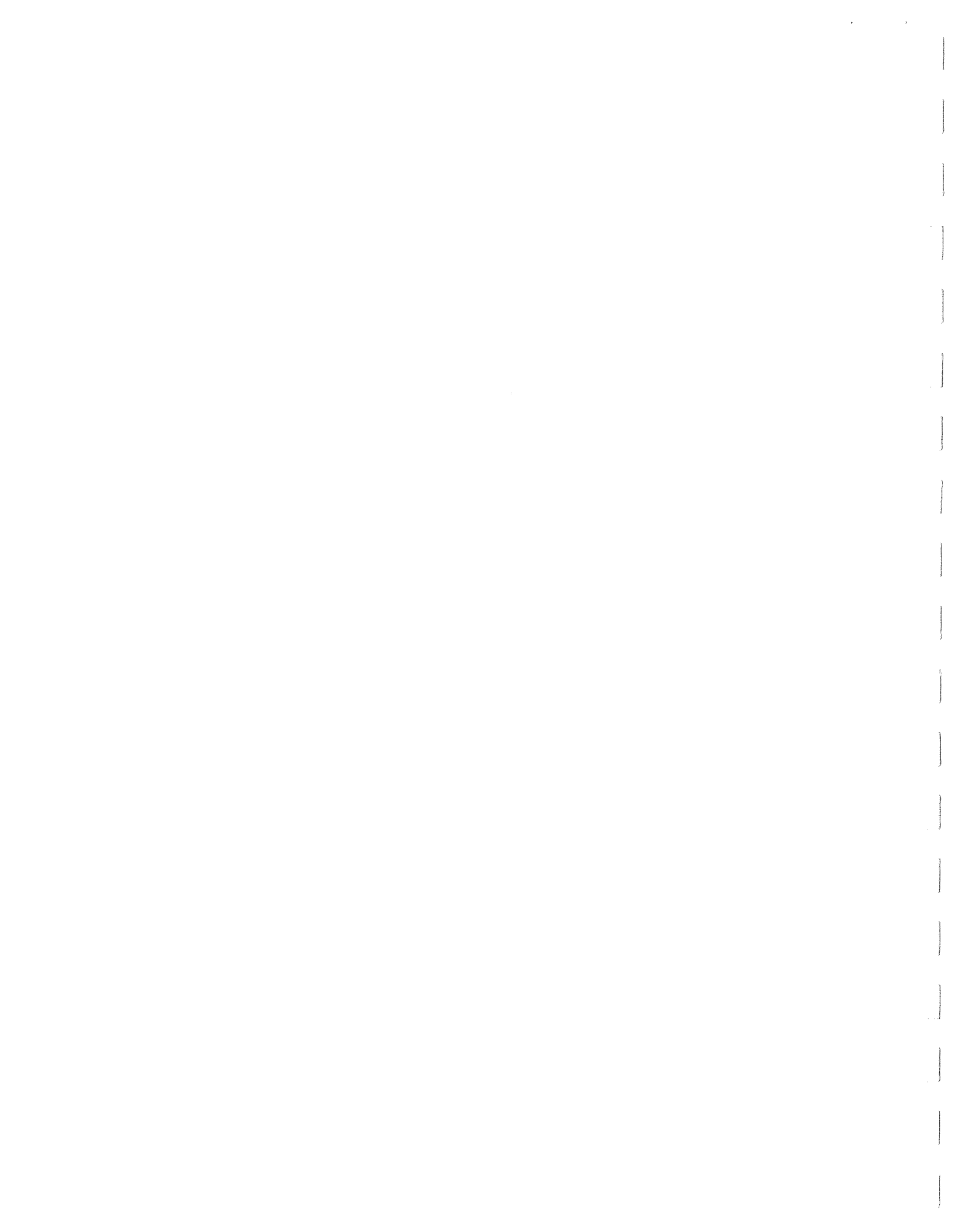
	.8 .95	.8 .85	.8 .75	.8 .65	.8 .55	.8 .45	.8 .35	.8 .25	.8 .15	.8 .05
49.95	0	27	0	32	30	0	23	27	0	0
49.85	22	26	0	0	26	0	22	0	0	22
49.75	19	0	0	0	21	0	27	0	0	17
49.65	20	0	0	0	21	0	24	0	0	7
49.55	27	0	0	0	17	0	0	0	0	11
49.45	26	0	0	0	0	0	24	0	0	29
49.35	24	0	0	0	18	0	23	29	30	22
49.25	21	0	0	0	19	16	22	30	0	17
49.15	13	0	0	0	24	21	26	0	0	12
49.05	0	1	19	23	26	0	20	0	0	9

Appendix F

SIX-MINUTE GRID MEAN VALUES OF
MAGNETIC ANOMALIES
IN
MARSDEN SQUARE 145

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MAG STATIONS

	9 .95	9 .85	9 .75	9 .65	9 .55	9 .45	9 .35	9 .25	9 .15	9 .05
45.95	0	0	0	0	0	0	0	0	0	25
45.85	0	0	0	0	0	0	0	0	0	25
45.75	0	0	0	0	0	0	0	0	0	25
45.65	0	0	0	0	0	0	0	0	0	23
45.55	0	0	0	0	0	0	0	0	0	25
45.45	0	0	0	0	0	0	0	0	0	26
45.35	0	0	0	0	0	0	0	0	0	24
45.25	0	0	0	0	0	0	0	0	0	25
45.15	0	0	0	0	0	0	0	0	0	25
45.05	18	17	18	17	18	17	18	0	0	24

GRID MEAN OF MAG(MA)

	9 .95	9 .85	9 .75	9 .65	9 .55	9 .45	9 .35	9 .25	9 .15	9 .05
45.95	0	0	0	0	0	0	0	0	0	-35
45.85	0	0	0	0	0	0	0	0	0	-131
45.75	0	0	0	0	0	0	0	0	0	-214
45.65	0	0	0	0	0	0	0	0	0	-149
45.55	0	0	0	0	0	0	0	0	0	-136
45.45	0	0	0	0	0	0	0	0	0	13
45.35	0	0	0	0	0	0	0	0	0	5
45.25	0	0	0	0	0	0	0	0	0	-97
45.15	0	0	0	0	0	0	0	0	0	-113
45.05	-235	-224	-239	-244	-247	-227	-153	0	0	-262

MAG STATIONS

	⁹ •95	⁹ •85	⁹ •75	⁹ •65	⁹ •55	⁹ •45	⁹ •35	⁹ •25	⁹ •15	⁹ •05
47.95	0	0	0	0	0	0	0	0	0	0
47.85	0	0	0	0	0	0	0	0	0	0
47.75	0	0	0	0	0	0	0	0	0	0
47.65	0	0	0	15	0	0	0	0	0	0
47.55	0	0	0	24	0	0	0	0	0	0
47.45	0	0	0	23	0	0	0	0	0	0
47.35	0	0	0	23	0	0	0	0	0	0
47.25	0	0	0	22	0	0	0	0	0	0
47.15	0	0	0	24	0	0	0	0	0	0
47.05	0	0	0	24	0	0	0	0	0	0

GRID MEAN OF MAG (MA)

	⁹ •95	⁹ •85	⁹ •75	⁹ •65	⁹ •55	⁹ •45	⁹ •35	⁹ •25	⁹ •15	⁹ •05
47.95	0	0	0	0	0	0	0	0	0	0
47.85	0	0	0	0	0	0	0	0	0	0
47.75	0	0	0	0	0	0	0	0	0	0
47.65	0	0	0	-51	0	0	0	0	0	0
47.55	0	0	0	-41	0	0	0	0	0	0
47.45	0	0	0	-62	0	0	0	0	0	0
47.35	0	0	0	-68	0	0	0	0	0	0
47.25	0	0	0	-103	0	0	0	0	0	0
47.15	0	0	0	-160	0	0	0	0	0	0
47.05	0	0	0	-187	0	0	0	0	0	0

MAG STATIONS

	⁸ .95	⁸ .85	⁸ .75	⁸ .65	⁸ .55	⁸ .45	⁸ .35	⁸ .25	⁸ .15	⁸ .05
48.95	3	49	12	0	26	0	26	0	0	26
48.85	20	26	0	0	26	0	29	0	0	22
48.75	0	24	0	13	13	0	2	27	0	25
48.65	0	25	0	26	0	0	0	28	0	28
48.55	2	22	0	13	0	0	0	14	0	46
48.45	21	0	0	0	0	0	0	0	2	51
48.35	24	0	0	0	0	0	0	0	24	34
48.25	23	0	0	0	0	0	0	12	24	15
48.15	24	0	0	0	0	0	0	33	17	0
48.05	25	0	0	0	0	0	24	28	0	0

GRID MEAN OF MAG(MA)

	⁸ .95	⁸ .85	⁸ .75	⁸ .65	⁸ .55	⁸ .45	⁸ .35	⁸ .25	⁸ .15	⁸ .05
48.95	-143	-156	-165	0	-183	0	-219	0	0	-161
48.85	-153	-198	0	0	-205	0	-194	0	0	-127
48.75	0	-144	0	-144	-191	0	-164	-184	0	-133
48.65	0	-66	0	-39	0	0	0	-206	0	-153
48.55	-87	-18	0	-10	0	0	0	-188	0	-158
48.45	-133	0	0	0	0	0	0	0	-145	-136
48.35	-99	0	0	0	0	0	0	0	-170	-141
48.25	-6	0	0	0	0	0	0	-125	-131	-115
48.15	-43	0	0	0	0	0	0	-118	-113	0
48.05	-105	0	0	0	0	0	-92	-121	0	0

MAG STATIONS

	.9 .95	.9 .85	.9 .75	.9 .65	.9 .55	.9 .45	.9 .35	.9 .25	.9 .15	.9 .05
48.95	0	0	0	26	0	0	18	0	0	0
48.85	0	0	0	27	0	13	5	0	0	19
48.75	0	0	0	26	0	17	0	11	23	4
48.65	0	0	0	26	8	10	12	12	0	0
48.55	0	0	1	25	18	0	0	0	0	0
48.45	0	0	0	28	15	0	0	0	0	0
48.35	0	0	0	34	0	0	0	0	0	0
48.25	0	0	0	25	0	0	0	0	0	0
48.15	0	0	0	25	0	0	0	0	0	0
48.05	0	0	0	5	0	0	0	0	0	0

GRID MEAN OF MAG(MA)

	.9 .95	.9 .85	.9 .75	.9 .65	.9 .55	.9 .45	.9 .35	.9 .25	.9 .15	.9 .05
48.95	0	0	0	-94	0	0	-144	0	0	0
48.85	0	0	0	-96	0	-115	-122	0	0	-160
48.75	0	0	0	-86	0	-81	0	-154	-173	-175
48.65	0	0	0	-86	-112	-88	-98	-91	0	0
48.55	0	0	-51	-66	-84	0	0	0	0	0
48.45	0	0	0	-58	77	0	0	0	0	0
48.35	0	0	0	-77	0	0	0	0	0	0
48.25	0	0	0	-73	0	0	0	0	0	0
48.15	0	0	0	-63	0	0	0	0	0	0
48.05	0	0	0	-65	0	0	0	0	0	0

MAG STATIONS

	6 .95	6 .85	5 .75	6 .65	6 .55	6 .45	6 .35	6 .25	5 .15	6 .05
49.95	46	39	0	25	25	0	0	0	0	7
49.85	25	21	0	25	24	0	0	0	0	0
49.75	24	25	0	24	27	0	0	0	0	0
49.65	25	25	21	4	26	0	0	0	0	0
49.55	24	25	25	0	27	0	0	0	0	0
49.45	47	34	28	0	23	0	0	0	0	0
49.35	25	41	48	0	23	0	0	0	0	0
49.25	19	26	1	46	17	0	0	0	0	0
49.15	26	26	0	7	0	0	0	0	0	0
49.05	25	27	0	0	0	0	0	0	2	0

GRID MEAN OF MAG(MA)

	6 .95	6 .85	6 .75	6 .65	6 .55	6 .45	6 .35	6 .25	5 .15	6 .05
49.95	-149	-156	0	-126	-125	0	0	0	0	-132
49.85	-136	-152	0	-130	-134	0	0	0	0	0
49.75	-142	-157	0	-137	-138	0	0	0	0	0
49.65	-156	-161	-119	-133	-127	0	0	0	0	0
49.55	-141	-148	-111	0	-121	0	0	0	0	0
49.45	-153	-151	-129	0	-137	0	0	0	0	0
49.35	-170	-164	-147	0	-149	0	0	0	0	0
49.25	-187	-192	-150	-163	-170	0	0	0	0	0
49.15	-221	-202	0	-164	0	0	0	0	0	0
49.05	-203	-164	0	0	0	0	0	0	-1385	0

MAG STATIONS

	7 .95	7 .85	7 .75	7 .65	7 .55	7 .45	7 .35	7 .25	7 .15	7 .05
49.95	0	24	24	33	28	27	26	27	0	8
49.85	0	9	0	48	41	28	26	34	22	14
49.75	0	0	0	26	37	55	54	42	0	0
49.65	0	0	0	34	54	28	56	22	27	0
49.55	0	8	26	42	28	0	51	0	49	15
49.45	26	17	0	25	28	0	57	0	24	8
49.35	0	0	0	25	28	0	47	9	25	0
49.25	0	0	0	25	28	0	31	18	25	0
49.15	0	0	0	25	0	27	30	27	25	0
49.05	0	0	15	26	0	27	4	23	24	0

GRID MEAN OF MAG(MA)

	7 .95	7 .85	7 .75	7 .65	7 .55	7 .45	7 .35	7 .25	7 .15	7 .05
49.95	0	-131	-161	-134	-165	-126	-141	-128	0	-167
49.85	0	-129	0	-142	-153	-114	-123	-129	-165	-169
49.75	0	0	0	-108	-140	-132	-142	-132	0	0
49.65	0	0	0	-119	-141	-137	-131	-159	-125	0
49.55	0	-143	-143	-130	-135	0	-127	0	-142	-155
49.45	-146	-141	0	-121	-108	0	-140	0	-58	-132
49.35	0	0	0	-54	-136	0	-125	-113	-122	0
49.25	0	0	0	-124	-139	0	-119	-133	-143	0
49.15	0	0	0	-144	0	-136	-145	-157	-168	0
49.05	0	0	-195	-187	0	-179	-174	-196	-213	0

MAG STATIONS

	.95	.85	.75	.65	.55	.45	.35	.25	.15	.05
49.95	0	25	0	4	23	0	2	23	0	27
49.85	24	1	0	0	28	0	26	0	0	27
49.75	25	0	0	0	27	0	25	0	0	27
49.65	25	0	0	0	28	0	8	0	0	24
49.55	25	0	0	0	14	0	0	0	0	25
49.45	25	0	0	0	0	0	25	0	0	31
49.35	25	0	0	0	21	0	25	8	25	43
49.25	27	0	0	0	26	4	49	17	0	27
49.15	8	19	0	0	45	19	26	0	0	26
49.05	0	27	11	23	30	0	26	0	0	26

GRID MEAN OF MAG(MA)

	.95	.85	.75	.65	.55	.45	.35	.25	.15	.05
49.95	0	-83	0	-117	-102	0	-112	-121	0	-110
49.85	-100	-85	0	0	-92	0	-115	0	0	-118
49.75	-91	0	0	0	-105	0	-123	0	0	-113
49.65	-95	0	0	0	-130	0	-132	0	0	-102
49.55	-114	0	0	0	-136	0	0	0	0	-101
49.45	-127	0	0	0	0	0	-155	0	0	-121
49.35	-135	0	0	0	-133	0	-175	-131	-139	-130
49.25	-97	0	0	0	-141	-123	-144	-114	0	-120
49.15	-72	-105	0	0	-121	-110	-173	0	0	-126
49.05	0	-130	-142	-93	-130	0	-193	0	0	-138

MAG STATIONS

	9 .95	9 .85	9 .75	9 .65	9 .55	9 .45	9 .35	9 .25	9 .15	9 .05
49.95	0	0	0	25	0	0	26	0	0	0
49.85	0	0	0	22	0	0	30	0	0	0
49.75	0	0	0	24	0	0	33	0	0	0
49.65	0	0	0	26	0	0	27	0	0	0
49.55	0	0	0	27	0	0	32	0	0	0
49.45	0	0	0	26	0	0	30	0	0	0
49.35	0	0	0	26	0	0	30	0	0	0
49.25	0	0	0	26	0	0	31	0	0	0
49.15	0	0	0	26	0	0	32	0	0	0
49.05	0	0	0	26	0	0	23	0	0	0

GRID MEAN OF MAG (MA)

	9 .95	9 .85	9 .75	9 .65	9 .55	9 .45	9 .35	9 .25	9 .15	9 .05
49.95	0	0	0	-102	0	0	-73	0	0	0
49.85	0	0	0	-106	0	0	-65	0	0	0
49.75	0	0	0	-99	0	0	-70	0	0	0
49.65	0	0	0	-78	0	0	-66	0	0	0
49.55	0	0	0	-82	0	0	-77	0	0	0
49.45	0	0	0	-95	0	0	-114	0	0	0
49.35	0	0	0	-99	0	0	-128	0	0	0
49.25	0	0	0	-103	0	0	-146	0	0	0
49.15	0	0	0	-96	0	0	-129	0	0	0
49.05	0	0	0	-91	0	0	-149	0	0	0

Appendix G

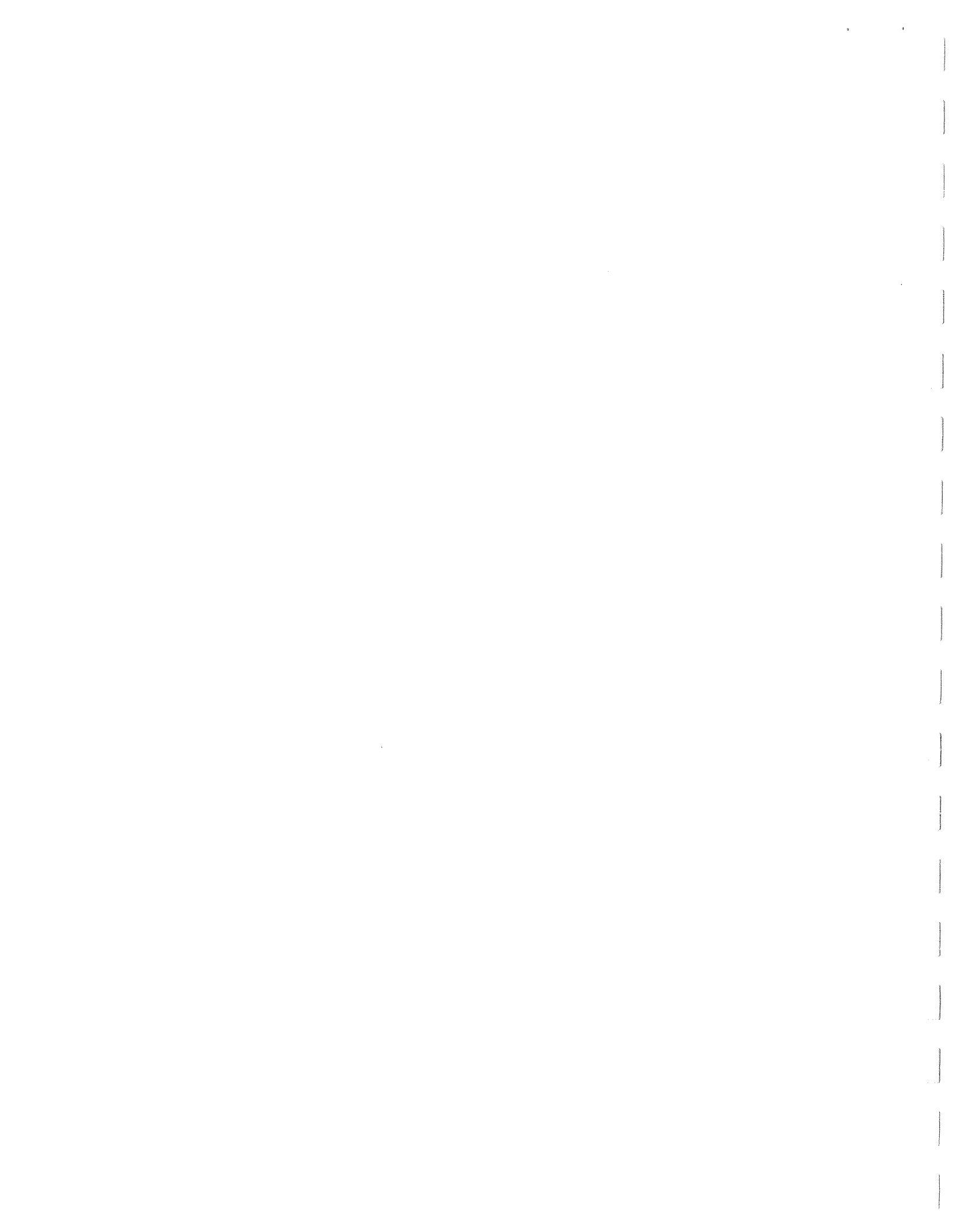
SIX-MINUTE GRID MEAN VALUES OF

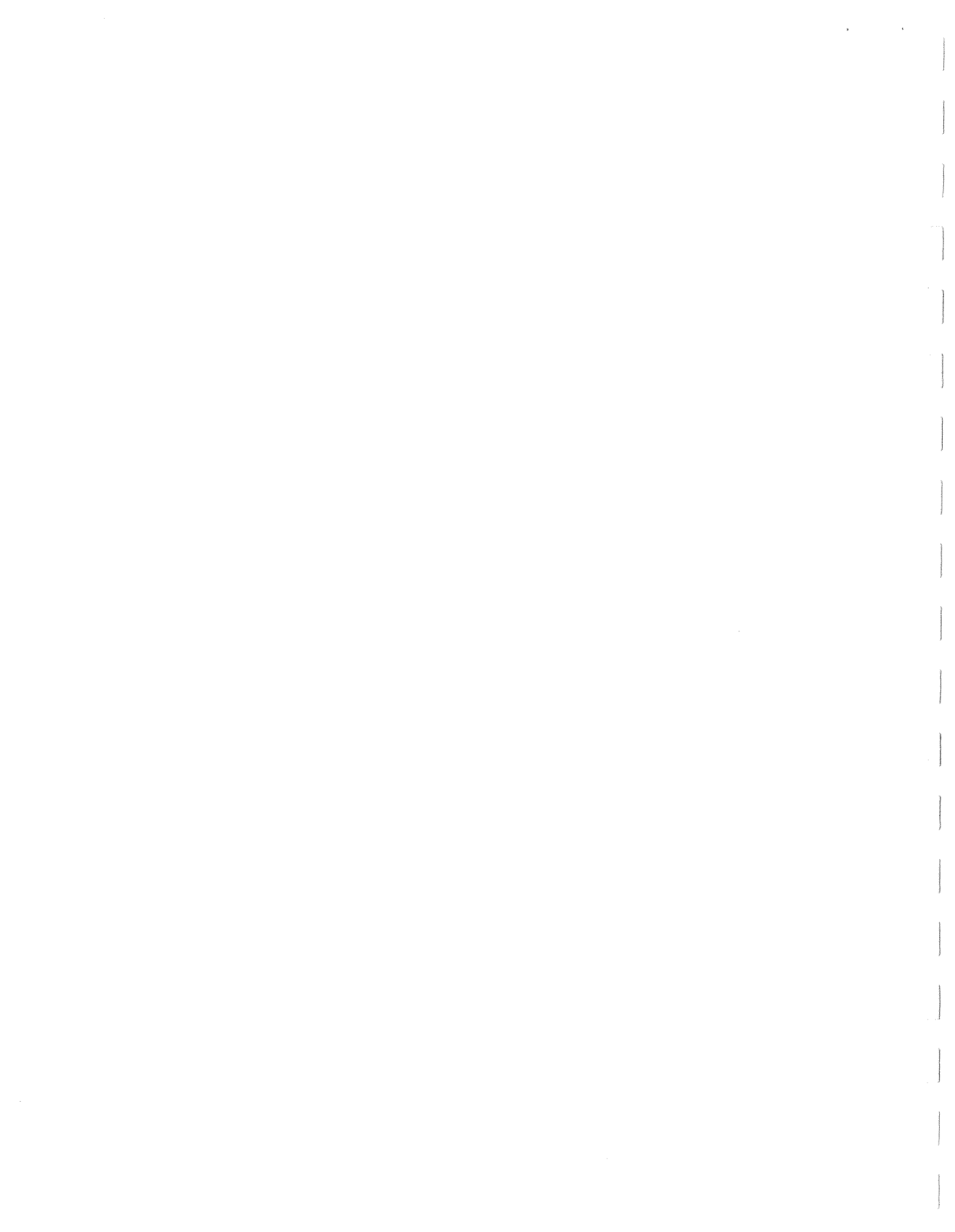
FREE AIR GRAVITY

IN

MARSDEN SQUARE 146

February 15, 1977





GRAVITY STATIONS

	10 .95	10 .85	10 .75	10 .65	10 .55	10 .45	10 .35	10 .25	10 .15	10 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	20	18	18	18	18	17	18	18	13	18

GRID MEAN OF GRAVITY (FA)

	10 .95	10 .85	10 .75	10 .65	10 .55	10 .45	10 .35	10 .25	10 .15	10 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-13	-3	6	13	16	17	17	11	2	-6

GRAVITY STATIONS

	11 .95	11 .85	11 .75	11 .65	11 .55	11 .45	11 .35	11 .25	11 .15	11 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	18	18	18	18	18	18	18	8	11	19

GRID MEAN OF GRAVITY (FA)

	11 .95	11 .85	11 .75	11 .65	11 .55	11 .45	11 .35	11 .25	11 .15	11 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	23	10	4	4	8	13	12	12	-3	-11

GRAVITY STATIONS

	12 .95	12 .85	12 .75	12 .65	12 .55	12 .45	12 .35	12 .25	12 .15	12 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	18	17	14	18	0	0	0	17	13	18

GRID MEAN OF GRAVITY (FA)

	12 .95	12 .85	12 .75	12 .65	12 .55	12 .45	12 .35	12 .25	12 .15	12 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	63	64	69	71	0	0	0	59	45	35

GRAVITY STATIONS

	13 .95	13 .85	13 .75	13 .65	13 .55	13 .45	13 .35	13 .25	13 .15	13 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	0	0	0	0	0	0	0	14	13	18

GRID MEAN OF GRAVITY (FA)

	13 .95	13 .85	13 .75	13 .65	13 .55	13 .45	13 .35	13 .25	13 .15	13 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	0	0	0	0	0	0	0	67	62	64

GRAVITY STATIONS

	14 .95	14 .85	14 .75	14 .65	14 .55	14 .45	14 .35	14 .25	14 .15	14 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	11	4	19	19	19	1	11	18	5	0

GRID MEAN OF GRAVITY (FA)

	14 .95	14 .85	14 .75	14 .65	14 .55	14 .45	14 .35	14 .25	14 .15	14 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	35	36	23	17	-1	-10	-17	-18	-7	0

GRAVITY STATIONS

	15 .95	15 .85	15 .75	15 .65	15 .55	15 .45	15 .35	15 .25	15 .15	15 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	19	11	8	19	0	10	19	19	19	18

GRID MEAN OF GRAVITY (FA)

	15 .95	15 .85	15 .75	15 .65	15 .55	15 .45	15 .35	15 .25	15 .15	15 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	4	32	94	122	0	116	98	77	60	45

GRAVITY STATIONS

	16 .95	16 .85	15 .75	15 .65	16 .55	15 .45	16 .35	16 .25	15 .15	16 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	18	19	18	14	0	0	0	0	0	0
45.05	0	0	0	5	18	6	15	9	19	19

GRID MEAN OF GRAVITY (FA)

	16 .95	16 .85	15 .75	15 .65	16 .55	15 .45	16 .35	16 .25	15 .15	16 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	18	3	0	-4	0	0	0	0	0	0
45.05	0	0	0	-5	-6	-18	-19	-24	-27	-10

GRAVITY STATIONS

	18 .95	18 .85	18 .75	18 .65	18 .55	18 .45	18 .35	18 .25	18 .15	18 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	18	19	18	18	18	18	18	19	18	18

GRID MEAN OF GRAVITY (FA)

	18 .95	18 .85	18 .75	18 .65	18 .55	18 .45	18 .35	18 .25	18 .15	18 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-8	3	6	0	-1	-3	1	4	5	0

GRAVITY STATIONS

	19 .95	19 .85	19 .75	19 .65	19 .55	19 .45	19 .35	19 .25	19 .15	19 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	0	0	9	18	18	18	19	18	18	18

GRID MEAN OF GRAVITY (FA)

	19 .95	19 .85	19 .75	19 .65	19 .55	19 .45	19 .35	19 .25	19 .15	19 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	0	0	17	10	0	-1	13	3	-15	-11

GRAVITY STATIONS

	18 .95	18 .85	18 .75	18 .65	18 .55	18 .45	18 .35	18 .25	18 .15	18 .05
46.95	17	18	18	18	18	18	18	17	18	18
46.85	0	0	0	0	0	0	0	0	0	0
46.75	0	0	0	0	0	0	0	0	0	0
46.65	0	0	0	0	0	0	0	0	0	0
46.55	0	0	0	0	0	0	0	0	0	0
46.45	0	0	0	0	0	0	0	0	0	0
46.35	0	0	0	0	0	0	0	0	0	0
46.25	0	0	0	0	0	0	0	0	0	0
46.15	0	0	0	0	0	0	0	0	0	0
46.05	0	0	0	0	0	0	0	0	0	0

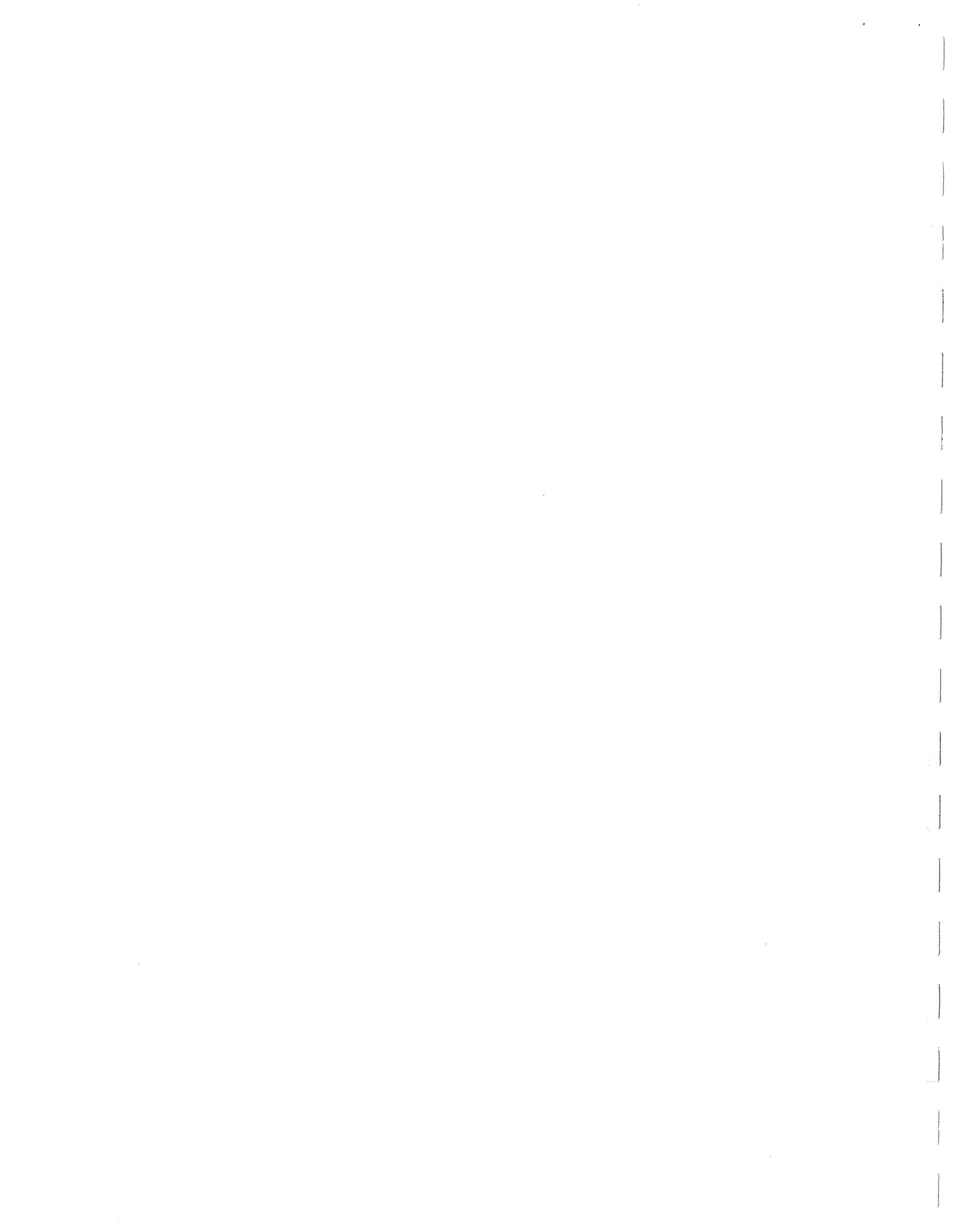
GRID MEAN OF GRAVITY (FA)

	18 .95	18 .85	18 .75	18 .65	18 .55	18 .45	18 .35	18 .25	18 .15	18 .05
46.95	23	31	37	41	41	39	30	16	13	14
46.85	0	0	0	0	0	0	0	0	0	0
46.75	0	0	0	0	0	0	0	0	0	0
46.65	0	0	0	0	0	0	0	0	0	0
46.55	0	0	0	0	0	0	0	0	0	0
46.45	0	0	0	0	0	0	0	0	0	0
46.35	0	0	0	0	0	0	0	0	0	0
46.25	0	0	0	0	0	0	0	0	0	0
46.15	0	0	0	0	0	0	0	0	0	0
46.05	0	0	0	0	0	0	0	0	0	0

Appendix H

SIX-MINUTE GRID MEAN VALUES OF
MAGNETIC ANOMALIES
IN
MARSDEN SQUARE 146

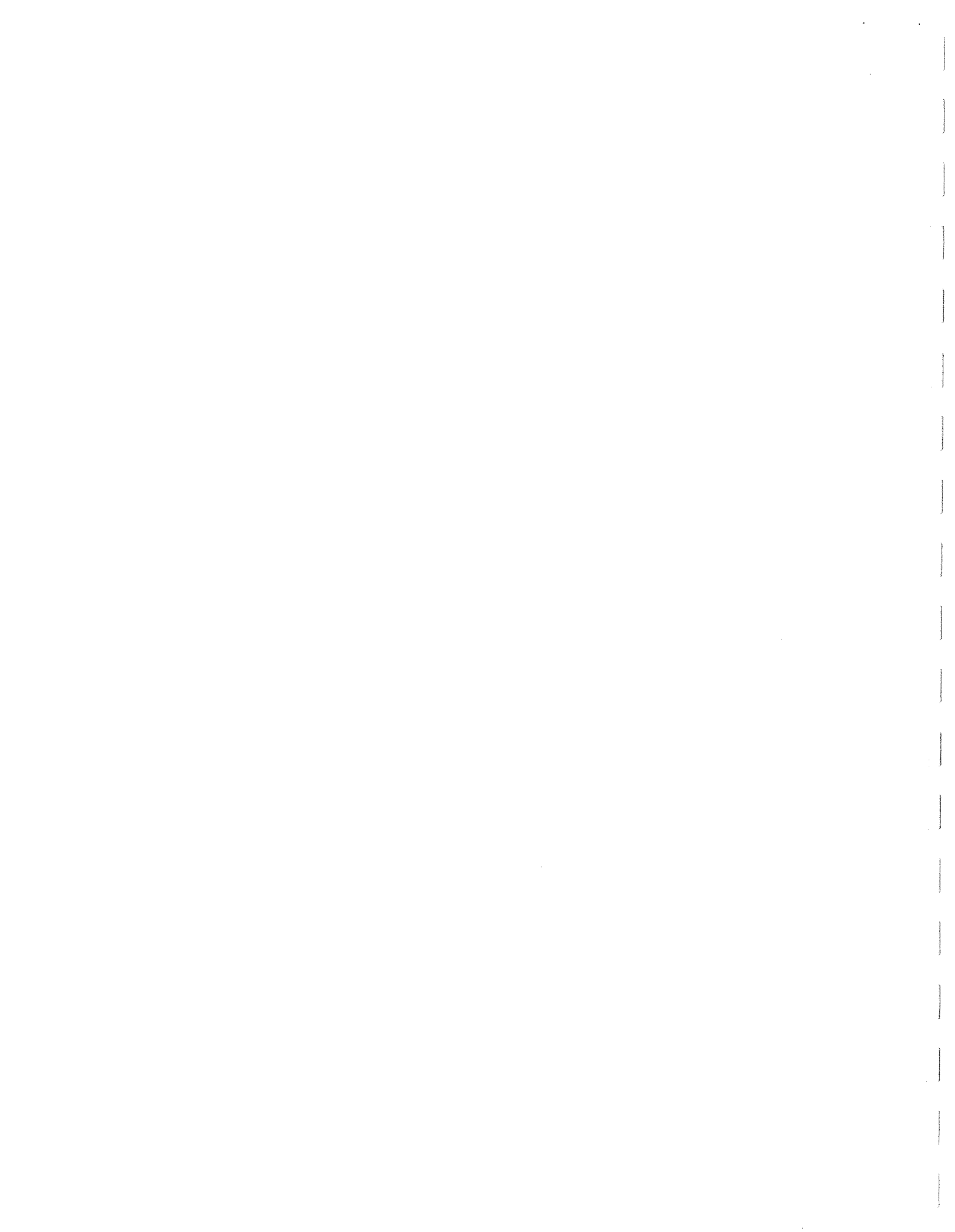
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	19	18	17	16	15	14	13	12	11	10
49	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0
46	179	178	178	179	177	177	155	165	192	190
45	183	182	182	184	189	159	50	181	183	181
44	0	0	0	0	0	16	129	0	0	0
43	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0

25



MAG STATIONS

	10 .95	10 .85	10 .75	10 .65	10 .55	10 .45	10 .35	10 .25	10 .15	10 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	20	18	18	18	18	17	18	18	18	18

GRID MEAN OF MAG(MA)

	10 .95	10 .85	10 .75	10 .65	10 .55	10 .45	10 .35	10 .25	10 .15	10 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-273	-282	-204	-254	-310	-351	-329	-347	-353	-316

MAG STATIONS

	11 .95	11 .85	11 .75	11 .65	11 .55	11 .45	11 .35	11 .25	11 .15	11 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	18	18	13	18	18	18	18	17	20	19

GRID MEAN OF MAG(MA)

	11 .95	11 .85	11 .75	11 .65	11 .55	11 .45	11 .35	11 .25	11 .15	11 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-213	-111	-77	-156	-157	-281	-304	-181	-156	-215

MAG STATIONS

	12 .95	12 .85	12 .75	12 .65	12 .55	12 .45	12 .35	12 .25	12 .15	12 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	18	18	18	18	2	0	5	18	18	18

GRID MEAN OF MAG(MA)

	12 .95	12 .85	12 .75	12 .65	12 .55	12 .45	12 .35	12 .25	12 .15	12 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-214	-157	-172	-224	-231	0	-243	-240	-255	-256

MAG STATIONS

	13 .95	13 .85	13 .75	13 .65	13 .55	13 .45	13 .35	13 .25	13 .15	13 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	0	0	0	0	0	0	0	14	13	18

GRID MEAN OF MAG(MA)

	13 .95	13 .85	13 .75	13 .65	13 .55	13 .45	13 .35	13 .25	13 .15	13 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	0	0	0	0	0	0	0	-225	-217	-258

MAG STATIONS

	14 .95	14 .85	14 .75	14 .65	14 .55	14 .45	14 .35	14 .25	14 .15	14 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	17	19	19	19	19	17	19	18	8	0

GRID MEAN OF MAG(MA)

	14 .95	14 .85	14 .75	14 .65	14 .55	14 .45	14 .35	14 .25	14 .15	14 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-6	-55	-114	-120	-198	-266	-291	-271	-259	0

MAG STATIONS

	15 .95	15 .85	15 .75	15 .65	15 .55	15 .45	15 .35	15 .25	15 .15	15 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	19	19	19	19	19	19	19	19	19	18

GRID MEAN OF MAG(MA)

	15 .95	15 .85	15 .75	15 .65	15 .55	15 .45	15 .35	15 .25	15 .15	15 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-158	-182	-174	-176	-217	-313	-269	-209	-92	-57

MAG STATIONS

	16 .95	16 .85	16 .75	16 .65	16 .55	16 .45	16 .35	16 .25	16 .15	16 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	14	19	18	14	0	0	0	0	0	0
45.05	0	0	0	5	18	19	17	17	19	19

GRID MEAN OF MAG(M_A)

	16 .95	16 .85	16 .75	16 .65	16 .55	16 .45	16 .35	16 .25	16 .15	16 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	-24	-39	32	45	0	0	0	0	0	0
45.05	0	0	0	55	34	7	-40	-118	-115	-77

MAG STATIONS

	18 .95	18 .85	18 .75	18 .65	18 .55	18 .45	18 .35	18 .25	18 .15	18 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	18	19	18	18	18	18	18	19	18	18

GRID MEAN OF MAG(MA)

	18 .95	18 .85	18 .75	18 .65	18 .55	18 .45	18 .35	18 .25	18 .15	18 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-131	-100	-38	45	-1	-41	-58	-22	0	-86

MAG STATIONS

	19 .95	19 .85	19 .75	19 .65	19 .55	19 .45	19 .35	19 .25	19 .15	19 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	18	19	17	17	18	18	19	18	18	18

GRID MEAN OF MAG(MA)

	19 .95	19 .85	19 .75	19 .65	19 .55	19 .45	19 .35	19 .25	19 .15	19 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	92	-78	53	1	181	46	-4	-87	-93	-79

MAG STATIONS

	18 .95	18 .85	18 .75	18 .65	18 .55	18 .45	18 .35	18 .25	18 .15	18 .05
46.95	17	18	18	18	18	18	18	17	18	18
46.85	0	0	0	0	0	0	0	0	0	0
46.75	0	0	0	0	0	0	0	0	0	0
46.65	0	0	0	0	0	0	0	0	0	0
46.55	0	0	0	0	0	0	0	0	0	0
46.45	0	0	0	0	0	0	0	0	0	0
46.35	0	0	0	0	0	0	0	0	0	0
46.25	0	0	0	0	0	0	0	0	0	0
46.15	0	0	0	0	0	0	0	0	0	0
46.05	0	0	0	0	0	0	0	0	0	0

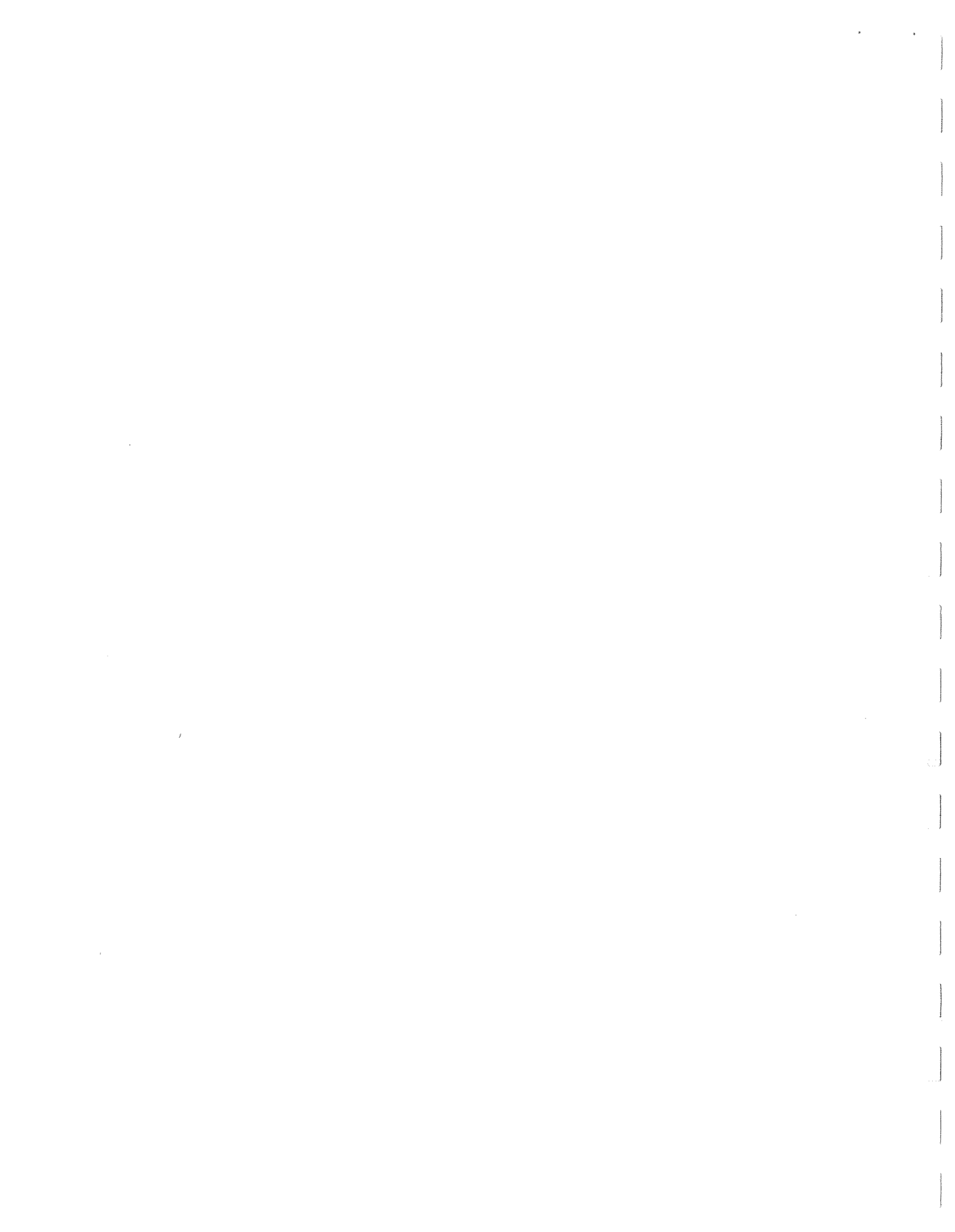
GRID MEAN OF MAG(MA)

	18 .95	18 .85	18 .75	18 .65	18 .55	18 .45	18 .35	18 .25	18 .15	18 .05
46.95	63	-33	-136	-148	-146	-126	-129	-132	-137	-86
46.85	0	0	0	0	0	0	0	0	0	0
46.75	0	0	0	0	0	0	0	0	0	0
46.65	0	0	0	0	0	0	0	0	0	0
46.55	0	0	0	0	0	0	0	0	0	0
46.45	0	0	0	0	0	0	0	0	0	0
46.35	0	0	0	0	0	0	0	0	0	0
46.25	0	0	0	0	0	0	0	0	0	0
46.15	0	0	0	0	0	0	0	0	0	0
46.05	0	0	0	0	0	0	0	0	0	0

Appendix I

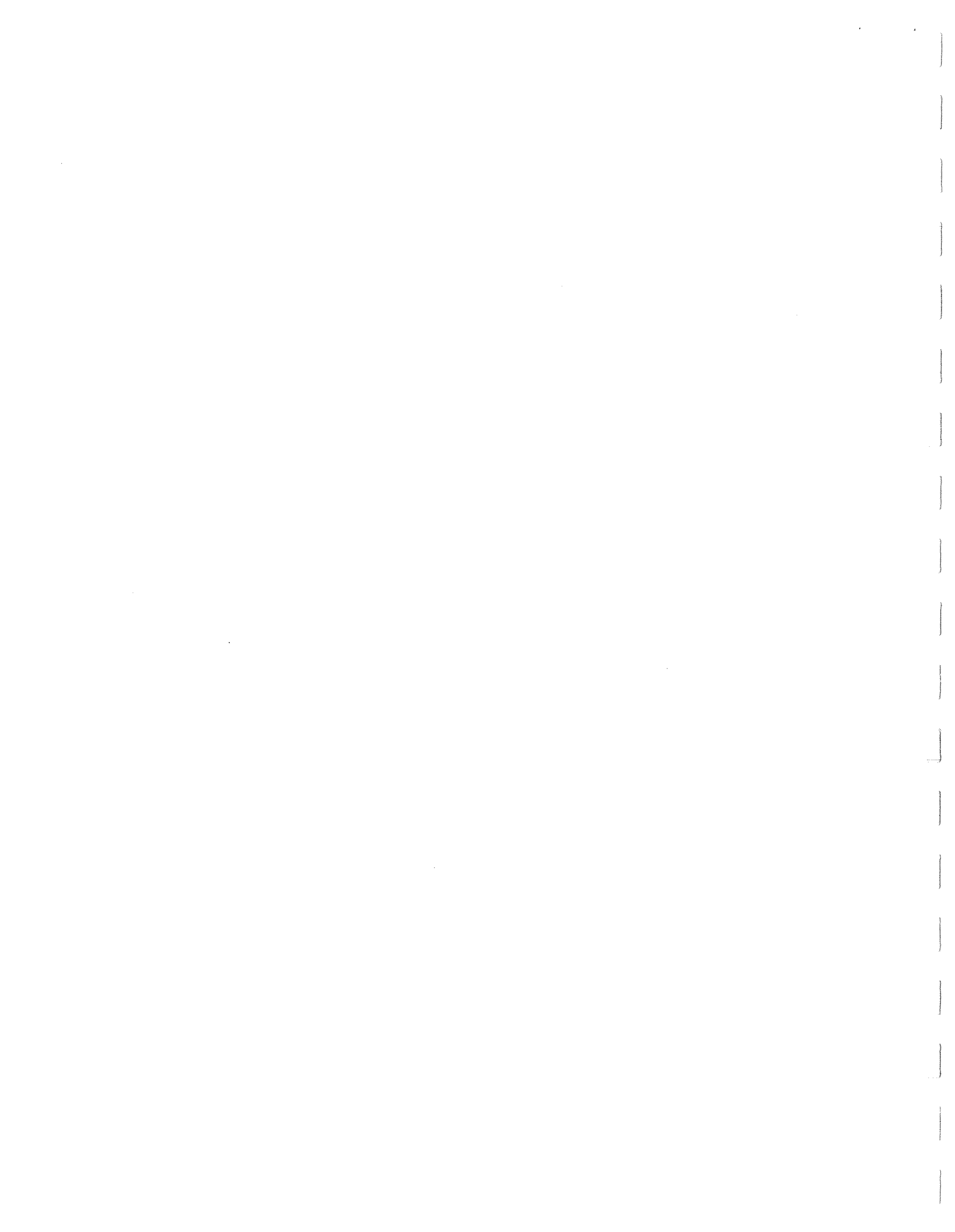
SIX-MINUTE GRID MEAN VALUES OF
FREE AIR GRAVITY
IN
MARSDEN SQUARE 147

February 15, 1977



MARSDEN SQUARE INDEX 147 NUMBER OF STATIONS

	29	28	27	26	25	24	23	22	21	20
49	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0
46	397	184	329	179	179	179	170	166	173	178
45	16846	20984	12217	2389	466	130	70	190	190	171
44	570	849	1136	189	465	444	120	0	0	0
43	265	227	525	0	269	254	0	0	0	0
42	259	269	533	0	269	255	0	0	0	0
41	259	466	172	154	439	89	0	0	0	0
40	446	353	0	260	534	0	0	0	0	0



GRAVITY STATIONS

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
40.95	0	0	0	0	0	0	20	0	0	25
40.85	0	0	0	0	0	0	27	0	0	26
40.75	0	0	0	0	0	0	27	0	0	26
40.65	0	0	0	0	0	0	28	0	0	13
40.55	0	0	0	0	0	0	27	0	0	16
40.45	0	0	0	0	0	0	27	0	0	26
40.35	0	0	0	0	0	0	27	0	0	26
40.25	0	0	0	0	0	0	28	0	0	27
40.15	0	0	0	0	0	10	17	0	0	26
40.05	0	0	0	0	0	21	0	0	0	27

GRID MEAN OF GRAVITY (FA)

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
40.95	0	0	0	0	0	0	19	0	0	34
40.85	0	0	0	0	0	0	17	0	0	33
40.75	0	0	0	0	0	0	23	0	0	41
40.65	0	0	0	0	0	0	29	0	0	38
40.55	0	0	0	0	0	0	45	0	0	24
40.45	0	0	0	0	0	0	46	0	0	25
40.35	0	0	0	0	0	0	35	0	0	20
40.25	0	0	0	0	0	0	35	0	0	13
40.15	0	0	0	0	0	39	40	0	0	26
40.05	0	0	0	0	0	34	0	0	0	29

GRAVITY STATIONS

	26 .95	26 .85	26 .75	26 .65	26 .55	26 .45	26 .35	26 .25	26 .15	26 .05
40.95	0	19	0	0	0	0	0	0	0	0
40.85	0	0	8	0	0	0	0	0	0	0
40.75	0	0	26	0	0	0	0	0	0	0
40.65	0	0	27	0	0	0	0	0	0	0
40.55	0	0	19	7	0	0	0	0	0	0
40.45	0	0	0	26	0	0	0	0	0	0
40.35	0	0	0	16	0	0	0	0	0	0
40.25	0	0	0	0	0	0	0	0	0	0
40.15	0	0	0	16	9	0	0	0	0	0
40.05	0	0	0	0	21	0	0	0	0	0

GRID MEAN OF GRAVITY (FA)

	26 .95	26 .85	26 .75	26 .65	26 .55	26 .45	26 .35	26 .25	26 .15	26 .05
40.95	0	44	0	0	0	0	0	0	0	0
40.85	0	0	36	0	0	0	0	0	0	0
40.75	0	0	30	0	0	0	0	0	0	0
40.65	0	0	21	0	0	0	0	0	0	0
40.55	0	0	20	20	0	0	0	0	0	0
40.45	0	0	0	30	0	0	0	0	0	0
40.35	0	0	0	82	0	0	0	0	0	0
40.25	0	0	0	0	0	0	0	0	0	0
40.15	0	0	0	27	19	0	0	0	0	0
40.05	0	0	0	0	19	0	0	0	0	0

GRAVITY STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
40.95	27	0	0	0	0	0	0	19	0	0
40.85	27	0	0	0	0	0	13	14	0	0
40.75	15	0	0	0	0	0	26	0	0	0
40.65	0	0	0	0	0	0	27	0	0	0
40.55	0	0	0	0	0	13	14	0	0	0
40.45	0	0	0	0	0	22	0	0	0	0
40.35	0	0	0	0	0	10	0	0	0	0
40.25	0	0	0	0	13	13	0	0	0	0
40.15	0	0	0	0	27	0	0	0	0	0
40.05	0	0	0	0	12	0	0	0	0	0

GRID MEAN OF GRAVITY (FA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
40.95	59	0	0	0	0	0	0	33	0	0
40.85	55	0	0	0	0	0	25	14	0	0
40.75	39	0	0	0	0	0	35	0	0	0
40.65	0	0	0	0	0	0	29	0	0	0
40.55	0	0	0	0	0	33	19	0	0	0
40.45	0	0	0	0	0	62	0	0	0	0
40.35	0	0	0	0	0	48	0	0	0	0
40.25	0	0	0	0	40	43	0	0	0	0
40.15	0	0	0	0	35	0	0	0	0	0
40.05	0	0	0	0	30	0	0	0	0	0

GRAVITY STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
40.95	0	0	0	27	0	0	0	0	0	0
40.85	0	0	0	26	0	0	0	0	0	0
40.75	0	0	0	26	0	0	0	0	0	0
40.65	0	0	0	20	0	0	0	0	0	0
40.55	0	0	0	16	0	0	0	0	0	17
40.45	0	0	0	26	0	0	0	0	0	20
40.35	0	0	0	27	0	0	0	0	0	13
40.25	0	0	0	23	3	0	0	0	7	20
40.15	0	0	0	0	27	0	0	0	25	0
40.05	0	0	0	0	26	0	0	0	5	0

GRID MEAN OF GRAVITY (FA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
40.95	0	0	0	72	0	0	0	0	0	0
40.85	0	0	0	81	0	0	0	0	0	0
40.75	0	0	0	86	0	0	0	0	0	0
40.65	0	0	0	63	0	0	0	0	0	0
40.55	0	0	0	-5	0	0	0	0	0	92
40.45	0	0	0	5	0	0	0	0	0	70
40.35	0	0	0	17	0	0	0	0	0	60
40.25	0	0	0	1	0	0	0	0	54	54
40.15	0	0	0	0	3	0	0	0	50	0
40.05	0	0	0	0	15	0	0	0	47	0

GRAVITY STATIONS

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
41.95	0	0	0	0	0	0	0	27	0	0
41.85	0	0	0	0	0	0	0	27	0	0
41.75	0	0	0	0	0	0	0	27	0	0
41.65	0	0	0	0	0	0	16	0	0	13
41.55	0	0	0	0	0	0	28	0	0	16
41.45	0	0	0	0	0	0	18	0	0	25
41.35	0	0	0	0	0	0	27	0	0	26
41.25	0	0	0	0	0	0	27	0	0	26
41.15	0	0	0	0	0	0	12	0	0	25
41.05	0	0	0	0	0	0	23	0	0	26

GRID MEAN OF GRAVITY (FA)

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
41.95	0	0	0	0	0	0	0	17	0	0
41.85	0	0	0	0	0	0	0	17	0	0
41.75	0	0	0	0	0	0	0	22	0	0
41.65	0	0	0	0	0	0	28	0	0	32
41.55	0	0	0	0	0	0	34	0	0	37
41.45	0	0	0	0	0	0	32	0	0	34
41.35	0	0	0	0	0	0	29	0	0	28
41.25	0	0	0	0	0	0	34	0	0	31
41.15	0	0	0	0	0	0	35	0	0	33
41.05	0	0	0	0	0	0	22	0	0	36

GRAVITY STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
41.95	0	0	14	13	0	0	0	0	0	0
41.85	0	0	27	0	0	0	0	0	0	0
41.75	0	0	5	0	0	0	0	0	0	12
41.65	0	0	27	0	0	0	0	0	0	27
41.55	0	7	20	0	0	0	0	0	0	18
41.45	0	27	0	0	0	0	0	0	12	1
41.35	0	20	0	0	0	0	0	0	25	0
41.25	0	22	0	0	0	0	0	0	27	0
41.15	0	8	0	0	0	0	0	7	14	0
41.05	27	0	0	0	0	0	0	14	0	0

GRID MEAN OF GRAVITY (FA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
41.95	0	0	45	42	0	0	0	0	0	0
41.85	0	0	52	0	0	0	0	0	0	0
41.75	0	0	38	0	0	0	0	0	0	41
41.65	0	0	49	0	0	0	0	0	0	32
41.55	0	53	52	0	0	0	0	0	0	42
41.45	0	55	0	0	0	0	0	0	48	50
41.35	0	54	0	0	0	0	0	0	38	0
41.25	0	51	0	0	0	0	0	0	30	0
41.15	0	55	0	0	0	0	0	43	37	0
41.05	60	0	0	0	0	0	0	57	0	0

GRAVITY STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
41.95	0	0	0	0	26	0	0	0	0	0
41.85	0	0	0	0	25	0	0	0	0	0
41.75	0	0	0	0	27	0	0	0	0	0
41.65	0	0	0	0	24	0	0	0	0	0
41.55	0	0	0	0	27	0	0	0	0	0
41.45	0	0	0	0	10	0	0	0	0	0
41.35	0	0	0	0	25	0	0	0	0	0
41.25	0	0	0	0	26	0	0	0	0	0
41.15	0	0	0	16	9	0	0	0	0	0
41.05	0	0	0	26	0	0	0	0	0	0

GRID MEAN OF GRAVITY (FA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
41.95	0	0	0	0	83	0	0	0	0	0
41.85	0	0	0	0	83	0	0	0	0	0
41.75	0	0	0	0	69	0	0	0	0	0
41.65	0	0	0	0	72	0	0	0	0	0
41.55	0	0	0	0	76	0	0	0	0	0
41.45	0	0	0	0	70	0	0	0	0	0
41.35	0	0	0	0	58	0	0	0	0	0
41.25	0	0	0	0	63	0	0	0	0	0
41.15	0	0	0	60	59	0	0	0	0	0
41.05	0	0	0	63	0	0	0	0	0	0

GRAVITY STATIONS

	.25 .95	.25 .85	.25 .75	.25 .65	.25 .55	.25 .45	.25 .35	.25 .25	.25 .15	.25 .05
42.95	0	0	0	0	0	0	0	27	0	0
42.85	0	0	0	0	0	0	0	27	0	0
42.75	0	0	0	0	0	0	0	27	0	0
42.65	0	0	0	0	0	0	0	23	0	0
42.55	0	0	0	0	0	0	0	3	0	0
42.45	0	0	0	0	0	0	0	26	0	0
42.35	0	0	0	0	0	0	0	24	0	0
42.25	0	0	0	0	0	0	0	0	0	0
42.15	0	0	0	0	0	0	0	14	0	0
42.05	0	0	0	0	0	0	0	27	0	0

GRID MEAN OF GRAVITY (FA)

	.25 .95	.25 .85	.25 .75	.25 .65	.25 .55	.25 .45	.25 .35	.25 .25	.25 .15	.25 .05
42.95	0	0	0	0	0	0	0	39	0	0
42.85	0	0	0	0	0	0	0	40	0	0
42.75	0	0	0	0	0	0	0	31	0	0
42.65	0	0	0	0	0	0	0	36	0	0
42.55	0	0	0	0	0	0	0	29	0	0
42.45	0	0	0	0	0	0	0	29	0	0
42.35	0	0	0	0	0	0	0	35	0	0
42.25	0	0	0	0	0	0	0	0	0	0
42.15	0	0	0	0	0	0	0	19	0	0
42.05	0	0	0	0	0	0	0	20	0	0

GRAVITY STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
42.95	0	0	0	0	0	27	0	0	0	0
42.85	0	0	0	0	2	25	0	0	0	0
42.75	0	0	0	0	27	0	0	0	0	0
42.65	0	0	0	0	10	0	0	0	0	0
42.55	0	0	0	0	27	0	0	0	0	0
42.45	0	0	0	0	27	0	0	0	0	0
42.35	0	0	0	22	5	0	0	0	0	0
42.25	0	0	0	27	0	0	0	0	0	0
42.15	0	0	0	27	0	0	0	0	0	0
42.05	0	0	0	26	0	0	0	0	0	0

GRID MEAN OF GRAVITY (FA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
42.95	0	0	0	0	0	39	0	0	0	0
42.85	0	0	0	0	34	34	0	0	0	0
42.75	0	0	0	0	28	0	0	0	0	0
42.65	0	0	0	0	22	0	0	0	0	0
42.55	0	0	0	0	34	0	0	0	0	0
42.45	0	0	0	0	15	0	0	0	0	0
42.35	0	0	0	30	14	0	0	0	0	0
42.25	0	0	0	47	0	0	0	0	0	0
42.15	0	0	0	54	0	0	0	0	0	0
42.05	0	0	0	54	0	0	0	0	0	0

GRAVITY STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
42.95	0	0	0	0	26	0	0	0	0	0
42.85	0	0	0	0	27	0	0	0	0	0
42.75	0	0	0	0	8	0	0	0	0	0
42.65	0	0	0	0	26	0	0	0	0	0
42.55	0	0	0	0	25	0	0	0	0	0
42.45	0	0	0	0	26	0	0	0	0	0
42.35	0	0	0	0	25	0	0	0	0	0
42.25	0	0	0	0	25	0	0	0	0	0
42.15	0	0	0	0	27	0	0	0	0	0
42.05	0	0	0	0	26	0	0	0	0	0

GRID MEAN OF GRAVITY (FA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
42.95	0	0	0	0	68	0	0	0	0	0
42.85	0	0	0	0	69	0	0	0	0	0
42.75	0	0	0	0	62	0	0	0	0	0
42.65	0	0	0	0	65	0	0	0	0	0
42.55	0	0	0	0	61	0	0	0	0	0
42.45	0	0	0	0	74	0	0	0	0	0
42.35	0	0	0	0	59	0	0	0	0	0
42.25	0	0	0	0	77	0	0	0	0	0
42.15	0	0	0	0	63	0	0	0	0	0
42.05	0	0	0	0	78	0	0	0	0	0

GRAVITY STATIONS

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
43.95	0	0	0	25	0	0	27	0	0	0
43.85	0	0	0	26	0	0	28	0	0	0
43.75	0	0	0	4	22	0	9	0	0	0
43.65	0	0	0	0	10	2	0	0	0	0
43.55	0	0	0	0	16	28	0	0	0	0
43.45	0	0	0	0	21	9	0	0	0	0
43.35	0	0	0	0	11	24	0	0	0	0
43.25	0	0	0	0	27	16	0	0	0	0
43.15	0	0	0	0	27	26	0	0	0	0
43.05	0	0	0	0	28	10	15	0	0	0

GRID MEAN OF GRAVITY (FA)

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
43.95	0	0	0	36	0	0	43	0	0	0
43.85	0	0	0	41	0	0	36	0	0	0
43.75	0	0	0	44	45	0	26	0	0	0
43.65	0	0	0	0	46	43	0	0	0	0
43.55	0	0	0	0	51	43	0	0	0	0
43.45	0	0	0	0	38	24	0	0	0	0
43.35	0	0	0	0	15	16	0	0	0	0
43.25	0	0	0	0	23	29	0	0	0	0
43.15	0	0	0	0	32	37	0	0	0	0
43.05	0	0	0	0	37	25	24	0	0	0

GRAVITY STATIONS

	.25 .95	.25 .85	.25 .75	.25 .65	.25 .55	.25 .45	.25 .35	.25 .25	.25 .15	.25 .05
43.95	0	0	0	0	0	0	27	0	0	0
43.85	0	0	0	0	0	0	16	12	0	0
43.75	0	0	0	0	0	0	0	27	0	0
43.65	0	0	0	0	0	0	0	15	0	0
43.55	0	0	0	0	0	0	0	16	0	0
43.45	0	0	0	0	0	0	0	19	0	0
43.35	0	0	0	0	0	0	0	26	0	0
43.25	0	0	0	0	0	0	0	20	0	0
43.15	0	0	0	0	0	0	0	14	0	0
43.05	0	0	0	0	0	0	0	27	0	0

GRID MEAN OF GRAVITY (FA)

	.25 .95	.25 .85	.25 .75	.25 .65	.25 .55	.25 .45	.25 .35	.25 .25	.25 .15	.25 .05
43.95	0	0	0	0	0	0	35	0	0	0
43.85	0	0	0	0	0	0	29	35	0	0
43.75	0	0	0	0	0	0	0	36	0	0
43.65	0	0	0	0	0	0	0	36	0	0
43.55	0	0	0	0	0	0	0	40	0	0
43.45	0	0	0	0	0	0	0	39	0	0
43.35	0	0	0	0	0	0	0	31	0	0
43.25	0	0	0	0	0	0	0	29	0	0
43.15	0	0	0	0	0	0	0	27	0	0
43.05	0	0	0	0	0	0	0	31	0	0

GRAVITY STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
43.95	0	0	0	0	27	0	0	0	0	0
43.85	0	0	0	0	26	0	0	0	0	0
43.75	0	0	0	0	27	0	0	0	0	0
43.65	0	0	0	0	25	0	0	0	0	0
43.55	0	0	0	0	11	0	0	0	0	0
43.45	0	0	0	0	6	0	0	0	0	0
43.35	0	0	0	0	20	0	0	0	0	0
43.25	0	0	0	0	27	0	0	0	0	0
43.15	0	0	0	0	26	0	0	0	0	0
43.05	0	0	0	0	27	0	0	0	0	0

GRID MEAN OF GRAVITY (FA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
43.95	0	0	0	0	55	0	0	0	0	0
43.85	0	0	0	0	42	0	0	0	0	0
43.75	0	0	0	0	41	0	0	0	0	0
43.65	0	0	0	0	36	0	0	0	0	0
43.55	0	0	0	0	43	0	0	0	0	0
43.45	0	0	0	0	55	0	0	0	0	0
43.35	0	0	0	0	59	0	0	0	0	0
43.25	0	0	0	0	36	0	0	0	0	0
43.15	0	0	0	0	44	0	0	0	0	0
43.05	0	0	0	0	62	0	0	0	0	0

GRAVITY STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
43.95	0	0	0	0	0	0	0	14	0	0
43.85	0	0	0	0	0	0	0	1	0	0
43.75	0	0	0	0	0	0	0	27	0	0
43.65	0	0	0	0	0	0	16	11	0	0
43.55	0	0	0	0	0	0	9	0	0	0
43.45	0	0	0	0	0	0	18	0	0	0
43.35	0	0	0	0	0	0	0	0	0	0
43.25	0	0	0	0	0	9	6	0	0	0
43.15	0	0	0	0	0	17	0	0	0	0
43.05	0	0	0	0	0	7	0	0	0	0

GRID MEAN OF GRAVITY (FA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
43.95	0	0	0	0	0	0	0	63	0	0
43.85	0	0	0	0	0	0	0	47	0	0
43.75	0	0	0	0	0	0	0	42	0	0
43.65	0	0	0	0	0	0	45	45	0	0
43.55	0	0	0	0	0	0	37	0	0	0
43.45	0	0	0	0	0	0	58	0	0	0
43.35	0	0	0	0	0	0	0	0	0	0
43.25	0	0	0	0	0	32	41	0	0	0
43.15	0	0	0	0	0	26	0	0	0	0
43.05	0	0	0	0	0	47	0	0	0	0

GRAVITY STATIONS

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
44.95	19	19	6	20	5	33	21	13	20	20
44.85	0	0	0	0	0	27	0	0	0	0
44.75	0	0	0	0	0	27	0	0	0	0
44.65	0	0	0	0	0	27	0	0	0	0
44.55	0	0	0	0	0	7	0	0	0	0
44.45	0	0	0	0	0	11	16	0	0	0
44.35	0	0	0	0	0	0	27	0	0	0
44.25	0	0	0	0	0	0	27	0	0	0
44.15	0	0	0	0	0	0	27	0	0	0
44.05	0	0	0	0	0	0	27	0	0	0

GRID MEAN OF GRAVITY (FA)

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
44.95	21	22	34	27	31	37	9	9	12	32
44.85	0	0	0	0	0	46	0	0	0	0
44.75	0	0	0	0	0	48	0	0	0	0
44.65	0	0	0	0	0	72	0	0	0	0
44.55	0	0	0	0	0	49	0	0	0	0
44.45	0	0	0	0	0	43	29	0	0	0
44.35	0	0	0	0	0	0	24	0	0	0
44.25	0	0	0	0	0	0	41	0	0	0
44.15	0	0	0	0	0	0	47	0	0	0
44.05	0	0	0	0	0	0	46	0	0	0

GRAVITY STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
44.95	21	15	17	18	23	50	45	43	53	57
44.85	0	0	0	0	0	0	0	0	0	0
44.75	0	0	0	0	0	0	0	0	0	5
44.65	0	0	0	0	0	0	0	0	0	18
44.55	0	0	0	0	0	0	0	0	3	23
44.45	0	0	0	0	0	0	0	0	27	0
44.35	0	0	0	0	0	0	0	0	1	0
44.25	0	0	0	0	0	0	0	0	27	0
44.15	0	0	0	0	0	0	0	0	7	0
44.05	20	20	21	20	7	18	7	41	4	17

GRID MEAN OF GRAVITY (FA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
44.95	23	35	44	61	58	69	76	59	35	23
44.85	0	0	0	0	0	0	0	0	0	0
44.75	0	0	0	0	0	0	0	0	0	49
44.65	0	0	0	0	0	0	0	0	0	50
44.55	0	0	0	0	0	0	0	0	60	56
44.45	0	0	0	0	0	0	0	0	61	0
44.35	0	0	0	0	0	0	0	0	61	0
44.25	0	0	0	0	0	0	0	0	63	0
44.15	0	0	0	0	0	0	0	0	55	0
44.05	51	54	64	84	72	56	32	61	72	57

GRAVITY STATIONS

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
44.95	106	34	24	26	9	8	19	0	13	42
44.85	40	0	0	0	0	0	0	0	7	0
44.75	29	0	0	0	0	0	0	0	25	0
44.65	18	4	0	0	0	0	0	0	27	0
44.55	23	27	0	0	0	0	0	6	21	0
44.45	25	26	0	0	0	0	0	28	0	0
44.35	25	2	4	0	0	0	0	21	0	0
44.25	25	0	27	0	0	0	0	0	0	0
44.15	25	0	14	12	0	0	8	12	0	0
44.05	14	0	0	26	0	0	28	0	0	0

GRID MEAN OF GRAVITY (FA)

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
44.95	57	64	63	54	46	27	31	0	19	24
44.85	45	0	0	0	0	0	0	0	47	0
44.75	45	0	0	0	0	0	0	0	33	0
44.65	60	63	0	0	0	0	0	0	33	0
44.55	75	60	0	0	0	0	0	50	52	0
44.45	69	45	0	0	0	0	0	43	0	0
44.35	55	33	47	0	0	0	0	51	0	0
44.25	63	0	47	0	0	0	0	0	0	0
44.15	54	0	61	62	0	0	40	44	0	0
44.05	50	0	0	53	0	0	39	0	0	0

GRAVITY STATIONS

	20 .95	20 .85	20 .75	20 .65	20 .55	20 .45	20 .35	20 .25	20 .15	20 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	19	19	19	20	20	19	20	1	0	0

GRID MEAN OF GRAVITY (FA)

	20 .95	20 .85	20 .75	20 .65	20 .55	20 .45	20 .35	20 .25	20 .15	20 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	6	-3	-4	-7	4	10	8	0	0	0

GRAVITY STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
44.95	0	0	0	7	44	20	20	20	20	13
44.85	0	0	0	0	25	0	0	0	0	0
44.75	0	0	0	0	17	0	0	0	0	0
44.65	0	0	0	0	26	0	0	0	0	0
44.55	0	0	0	0	26	0	0	0	0	0
44.45	0	0	0	0	25	0	0	0	0	0
44.35	0	0	0	0	26	0	0	0	0	0
44.25	0	0	0	0	17	0	0	0	0	0
44.15	0	0	0	0	26	0	0	0	0	0
44.05	17	16	17	5	41	20	20	20	21	12

GRID MEAN OF GRAVITY (FA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
44.95	0	0	0	39	42	44	37	26	21	20
44.85	0	0	0	0	21	0	0	0	0	0
44.75	0	0	0	0	29	0	0	0	0	0
44.65	0	0	0	0	17	0	0	0	0	0
44.55	0	0	0	0	20	0	0	0	0	0
44.45	0	0	0	0	33	0	0	0	0	0
44.35	0	0	0	0	44	0	0	0	0	0
44.25	0	0	0	0	20	0	0	0	0	0
44.15	0	0	0	0	25	0	0	0	0	0
44.05	36	43	45	40	48	45	59	53	47	55

GRAVITY STATIONS

	22 .95	22 .85	22 .75	22 .65	22 .55	22 .45	22 .35	22 .25	22 .15	22 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	19	19	19	19	19	19	19	19	19	19

GRID MEAN OF GRAVITY (FA)

	22 .95	22 .85	22 .75	22 .65	22 .55	22 .45	22 .35	22 .25	22 .15	22 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	12	20	9	8	11	7	14	20	10	8

GRAVITY STATIONS

	21 .95	21 .85	21 .75	21 .65	21 .55	21 .45	21 .35	21 .25	21 .15	21 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	19	19	19	19	19	12	19	10	19	19

GRID MEAN OF GRAVITY (FA)

	21 .95	21 .85	21 .75	21 .65	21 .55	21 .45	21 .35	21 .25	21 .15	21 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	16	12	21	23	1	8	5	6	-1	-1

GRAVITY STATIONS

	23 .95	23 .85	23 .75	23 .65	23 .55	23 .45	23 .35	23 .25	23 .15	23 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	0	0	0	0	0	0	13	19	19	19

GRID MEAN OF GRAVITY (FA)

	23 .95	23 .85	23 .75	23 .65	23 .55	23 .45	23 .35	23 .25	23 .15	23 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	0	0	0	0	0	0	26	25	15	14

GRAVITY STATIONS

	.25 .95	.25 .85	.25 .75	.25 .65	.25 .55	.25 .45	.25 .35	.25 .25	.25 .15	.25 .05
45.95	18	18	10	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	19	5	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	18	18	18	18	19	19	18	19	19	5
45.45	10	9	18	15	0	0	0	0	0	0
45.35	0	0	0	0	26	0	0	0	0	0
45.25	0	0	0	0	4	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	0	0	0	0	0	19	0	0	0	0

GRID MEAN OF GRAVITY (FA)

	.25 .95	.25 .85	.25 .75	.25 .65	.25 .55	.25 .45	.25 .35	.25 .25	.25 .15	.25 .05
45.95	21	31	41	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	31	35	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	46	55	49	41	53	50	47	40	45	55
45.45	41	47	47	36	0	0	0	0	0	0
45.35	0	0	0	0	45	0	0	0	0	0
45.25	0	0	0	0	38	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	0	0	0	0	0	47	0	0	0	0

GRAVITY STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
45.95	83	110	63	95	53	17	29	53	63	62
45.85	59	87	68	79	114	155	229	191	193	158
45.75	90	104	79	93	65	107	117	152	132	156
45.65	90	150	145	126	163	131	163	86	112	189
45.55	151	146	164	248	220	185	202	165	238	271
45.45	55	140	123	132	115	134	91	128	118	137
45.35	157	162	112	132	219	161	192	200	267	158
45.25	342	181	87	131	126	135	134	114	204	224
45.15	212	148	183	122	109	120	131	148	150	65
45.05	114	109	45	53	101	107	134	112	117	134

GRID MEAN OF GRAVITY (FA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
45.95	20	26	31	35	30	33	35	46	61	79
45.85	24	26	21	23	20	17	32	57	52	52
45.75	34	24	27	34	32	17	31	45	40	43
45.65	22	20	39	41	40	55	74	51	52	46
45.55	28	25	44	44	51	56	68	56	54	53
45.45	33	34	38	46	54	56	60	59	67	43
45.35	39	32	34	40	44	44	56	83	91	41
45.25	56	35	32	48	52	55	66	76	54	24
45.15	56	50	46	46	56	55	65	56	28	7
45.05	25	37	46	47	59	69	71	68	48	19

GRAVITY STATIONS

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
45.95	49	57	33	18	19	18	19	18	18	19
45.85	107	75	29	0	0	0	0	0	0	0
45.75	160	157	116	128	73	62	62	78	62	61
45.65	153	152	241	183	110	103	97	155	146	127
45.55	251	221	215	159	125	100	68	110	125	109
45.45	99	138	134	99	122	170	158	159	179	177
45.35	137	150	127	73	82	94	107	122	144	138
45.25	201	123	17	29	54	51	62	100	75	85
45.15	109	100	36	21	21	21	22	21	0	8
45.05	152	68	10	0	0	0	0	0	0	29

GRID MEAN OF GRAVITY (FA)

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
45.95	64	35	12	17	39	40	61	60	52	23
45.85	51	35	15	0	0	0	0	0	0	0
45.75	29	14	5	51	70	57	45	61	54	48
45.65	17	-1	19	65	82	78	76	70	63	57
45.55	21	4	46	80	92	67	86	69	57	54
45.45	13	13	59	77	56	53	62	51	56	46
45.35	10	27	71	76	45	50	70	51	58	42
45.25	15	46	66	57	51	60	64	44	46	43
45.15	26	59	73	63	51	76	61	46	0	33
45.05	60	73	77	0	0	0	0	0	0	35

GRAVITY STATIONS

	.29 .95	.29 .85	.29 .75	.29 .65	.29 .55	.29 .45	.29 .35	.29 .25	.29 .15	.29 .05
45.95	11	106	130	122	119	150	116	148	71	83
45.85	15	93	32	22	60	64	37	53	21	43
45.75	29	117	103	130	87	133	97	94	84	94
45.65	123	129	128	97	96	135	105	126	134	97
45.55	91	132	129	143	176	183	153	169	141	133
45.45	84	77	89	85	110	113	129	123	72	62
45.35	99	114	122	138	241	230	201	170	199	150
45.25	140	212	131	150	184	132	170	173	188	231
45.15	119	112	115	114	158	92	117	45	130	177
45.05	69	140	175	176	185	171	184	88	144	119

GRID MEAN OF GRAVITY (FA)

	.29 .95	.29 .85	.29 .75	.29 .65	.29 .55	.29 .45	.29 .35	.29 .25	.29 .15	.29 .05
45.95	41	35	15	19	30	34	24	24	34	32
45.85	39	32	25	28	32	39	37	37	49	31
45.75	41	36	35	33	38	51	58	59	44	30
45.65	43	37	44	35	37	36	47	45	32	26
45.55	34	27	30	32	36	28	32	31	29	36
45.45	33	33	30	29	26	19	12	12	23	39
45.35	32	40	37	35	32	26	18	10	24	38
45.25	48	58	49	57	50	44	28	11	17	41
45.15	46	52	35	44	43	51	45	31	23	35
45.05	34	28	22	27	40	45	43	25	20	18

GRAVITY STATIONS

	²⁸ .95	²⁸ .85	²⁸ .75	²⁸ .65	²⁸ .55	²⁸ .45	²⁸ .35	²⁸ .25	²⁸ .15	²⁸ .05
46.95	0	0	0	0	0	0	0	0	0	0
46.85	0	0	0	0	0	0	0	0	0	0
46.75	0	0	0	0	0	0	0	0	0	0
46.65	0	0	0	0	0	0	0	0	0	0
46.55	0	0	0	0	0	0	0	0	0	0
46.45	0	0	0	0	0	0	0	0	0	0
46.35	0	0	0	0	0	0	0	0	0	0
46.25	0	0	0	0	0	0	0	0	0	0
46.15	0	0	0	0	0	0	0	0	0	0
46.05	36	40	36	10	0	0	0	0	0	0

GRID MEAN OF GRAVITY (FA)

	²⁸ .95	²⁸ .85	²⁸ .75	²⁸ .65	²⁸ .55	²⁸ .45	²⁸ .35	²⁸ .25	²⁸ .15	²⁸ .05
46.95	0	0	0	0	0	0	0	0	0	0
46.85	0	0	0	0	0	0	0	0	0	0
46.75	0	0	0	0	0	0	0	0	0	0
46.65	0	0	0	0	0	0	0	0	0	0
46.55	0	0	0	0	0	0	0	0	0	0
46.45	0	0	0	0	0	0	0	0	0	0
46.35	0	0	0	0	0	0	0	0	0	0
46.25	0	0	0	0	0	0	0	0	0	0
46.15	0	0	0	0	0	0	0	0	0	0
46.05	22	28	41	51	0	0	0	0	0	0

GRAVITY STATIONS

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
46.95	0	0	0	0	4	18	5	18	18	18
46.85	0	0	0	0	21	0	0	0	0	0
46.75	0	0	0	0	26	0	0	0	0	0
46.65	0	0	0	3	8	0	0	0	0	0
46.55	0	0	0	23	0	0	0	0	0	0
46.45	0	0	0	26	0	0	0	0	0	0
46.35	0	0	0	25	0	0	0	0	0	0
46.25	0	0	0	26	0	0	0	0	0	0
46.15	0	0	4	21	0	0	0	0	0	0
46.05	0	0	15	0	0	0	0	0	0	0

GRID MEAN OF GRAVITY (FA)

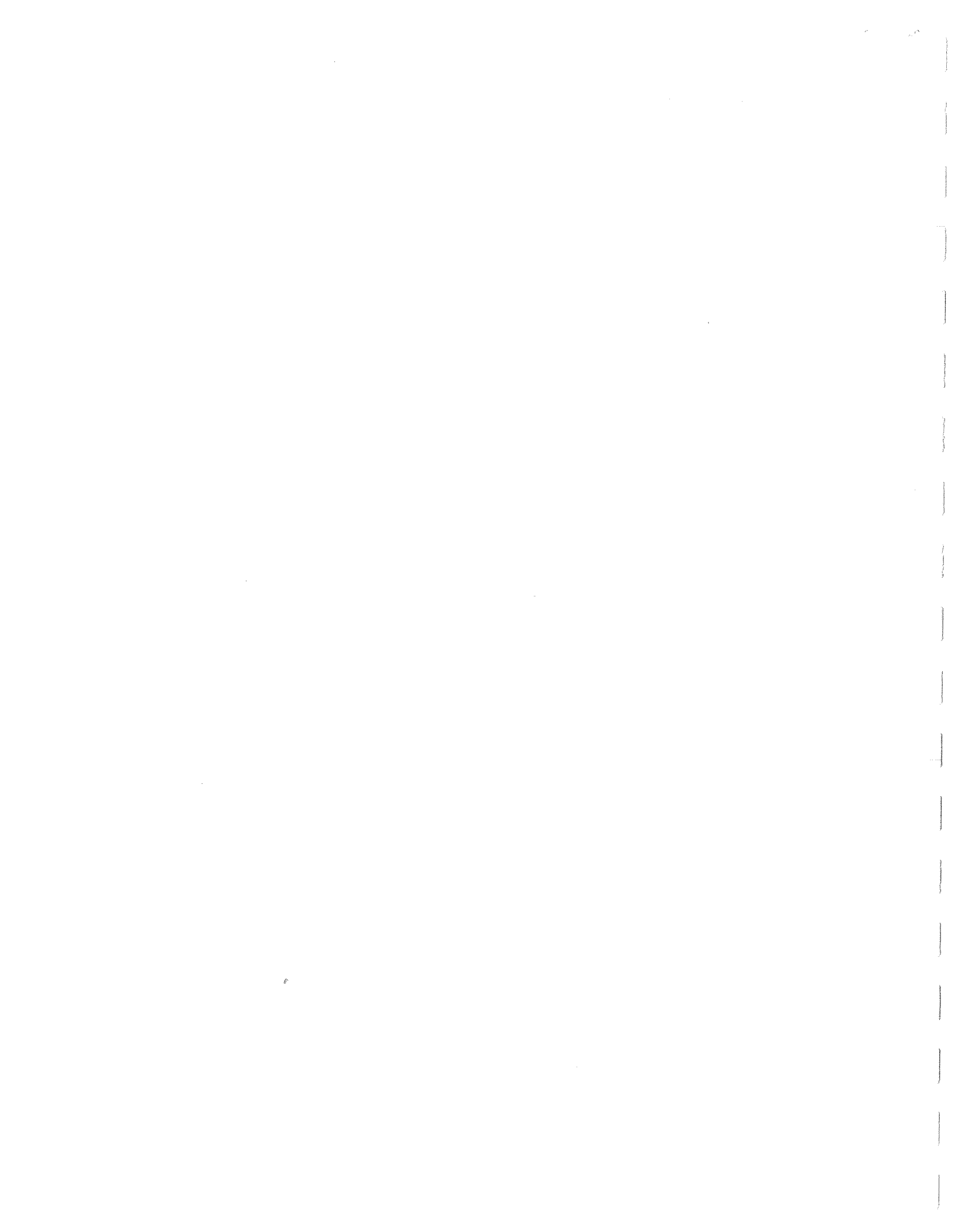
	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
46.95	0	0	0	0	66	37	15	32	57	71
46.85	0	0	0	0	62	0	0	0	0	0
46.75	0	0	0	0	63	0	0	0	0	0
46.65	0	0	0	53	58	0	0	0	0	0
46.55	0	0	0	39	0	0	0	0	0	0
46.45	0	0	0	36	0	0	0	0	0	0
46.35	0	0	0	63	0	0	0	0	0	0
46.25	0	0	0	52	0	0	0	0	0	0
46.15	0	0	71	76	0	0	0	0	0	0
46.05	0	0	72	0	0	0	0	0	0	0

GRAVITY STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
46.95	0	0	0	0	0	0	0	0	0	0
46.85	0	0	0	0	0	0	0	0	0	0
46.75	0	0	0	0	0	0	0	0	0	0
46.65	0	0	0	0	0	0	0	0	0	0
46.55	0	0	0	0	0	0	0	0	0	0
46.45	0	0	0	0	0	0	0	0	0	0
46.35	0	0	0	0	0	0	0	0	0	0
46.25	0	0	0	0	0	0	0	0	0	0
46.15	0	0	0	0	0	0	0	0	0	0
46.05	0	28	18	19	18	23	66	42	38	24

GRID MEAN OF GRAVITY (FA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
46.95	0	0	0	0	0	0	0	0	0	0
46.85	0	0	0	0	0	0	0	0	0	0
46.75	0	0	0	0	0	0	0	0	0	0
46.65	0	0	0	0	0	0	0	0	0	0
46.55	0	0	0	0	0	0	0	0	0	0
46.45	0	0	0	0	0	0	0	0	0	0
46.35	0	0	0	0	0	0	0	0	0	0
46.25	0	0	0	0	0	0	0	0	0	0
46.15	0	0	0	0	0	0	0	0	0	0
46.05	0	35	19	29	47	41	25	19	29	29



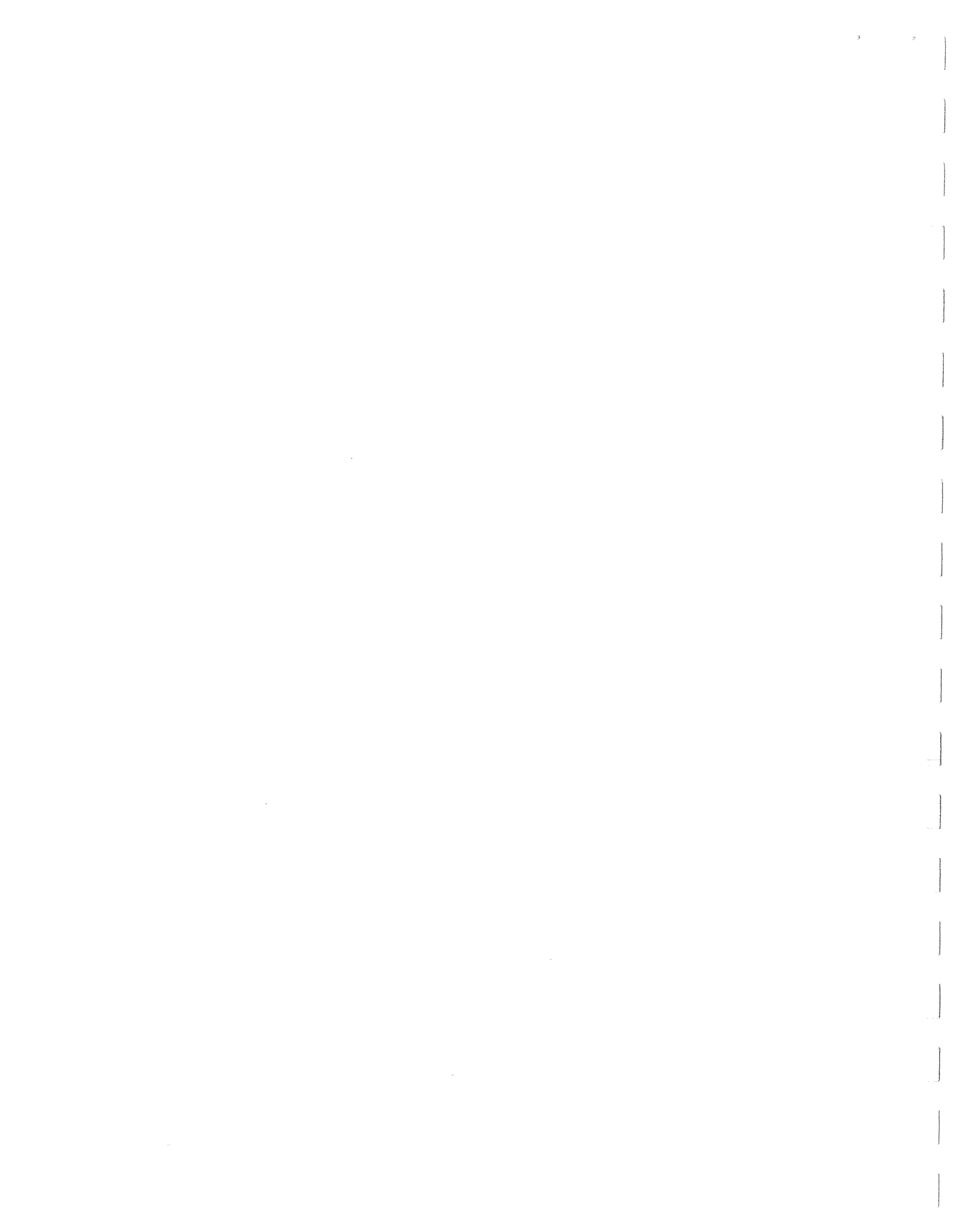
Appendix J

SIX-MINUTE GRID MEAN VALUES OF
MAGNETIC ANOMALIES

IN

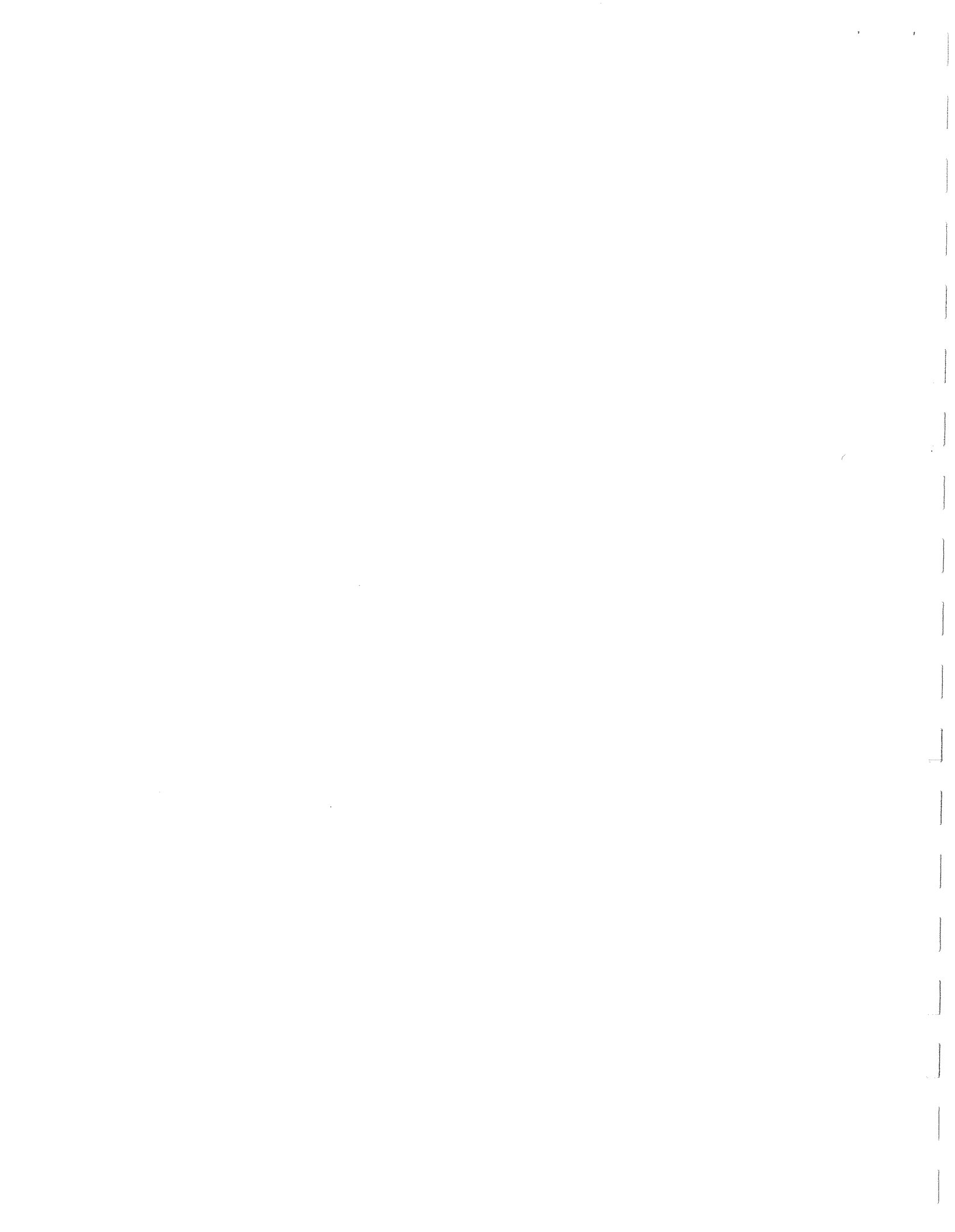
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	29	28	27	26	25	24	23	22	21	20
49	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0
46	397	184	329	179	179	179	170	166	173	178
45	16846	20984	12217	2389	466	130	70	190	190	171
44	570	849	1136	189	465	444	120	0	0	0
43	265	227	525	0	269	254	0	0	0	0
42	259	269	533	0	269	255	0	0	0	0
41	259	466	172	154	439	89	0	0	0	0
40	446	353	0	260	534	0	0	0	0	0



MAG STATIONS

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
40.95	0	0	0	0	0	0	26	0	0	25
40.85	0	0	0	0	0	0	27	0	0	26
40.75	0	0	0	0	0	0	27	0	0	26
40.65	0	0	0	0	0	0	28	0	0	27
40.55	0	0	0	0	0	0	27	0	0	26
40.45	0	0	0	0	0	0	27	0	0	26
40.35	0	0	0	0	0	0	27	0	0	26
40.25	0	0	0	0	0	0	28	0	0	27
40.15	0	0	0	0	0	10	17	0	0	26
40.05	0	0	0	0	0	27	0	0	0	27

GRID MEAN OF MAG(MA)

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
40.95	0	0	0	0	0	0	79	0	0	36
40.85	0	0	0	0	0	0	92	0	0	34
40.75	0	0	0	0	0	0	0	0	0	-25
40.65	0	0	0	0	0	0	-21	0	0	-16
40.55	0	0	0	0	0	0	110	0	0	5
40.45	0	0	0	0	0	0	105	0	0	-26
40.35	0	0	0	0	0	0	28	0	0	-52
40.25	0	0	0	0	0	0	28	0	0	47
40.15	0	0	0	0	0	-52	2	0	0	49
40.05	0	0	0	0	0	-112	0	0	0	-58

MAG STATIONS

	26 .95	26 .85	26 .75	26 .65	26 .55	26 .45	26 .35	26 .25	26 .15	26 .05
40.95	0	26	0	0	0	0	0	0	0	0
40.85	0	2	24	0	0	0	0	0	0	0
40.75	0	0	26	0	0	0	0	0	0	0
40.65	0	0	27	0	0	0	0	0	0	0
40.55	0	0	19	7	0	0	0	0	0	0
40.45	0	0	0	26	0	0	0	0	0	0
40.35	0	0	0	26	0	0	0	0	0	0
40.25	0	0	0	26	0	0	0	0	0	0
40.15	0	0	0	16	9	0	0	0	0	0
40.05	0	0	0	0	26	0	0	0	0	0

GRID MEAN OF MAG(MA)

	26 .95	26 .85	26 .75	26 .65	26 .55	26 .45	26 .35	26 .25	26 .15	26 .05
40.95	0	35	0	0	0	0	0	0	0	0
40.85	0	75	38	0	0	0	0	0	0	0
40.75	0	0	0	0	0	0	0	0	0	0
40.65	0	0	-232	0	0	0	0	0	0	0
40.55	0	0	-270	-156	0	0	0	0	0	0
40.45	0	0	0	132	0	0	0	0	0	0
40.35	0	0	0	72	0	0	0	0	0	0
40.25	0	0	0	377	0	0	0	0	0	0
40.15	0	0	0	170	87	0	0	0	0	0
40.05	0	0	0	0	74	0	0	0	0	0

MAG STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
40.95	0	0	0	27	0	0	0	0	0	0
40.85	0	0	0	26	0	0	0	0	0	0
40.75	0	0	0	26	0	0	0	0	0	0
40.65	0	0	0	27	0	0	0	0	0	20
40.55	0	0	0	27	0	0	0	0	0	27
40.45	0	0	0	26	0	0	0	0	0	27
40.35	0	0	0	27	0	0	0	0	0	27
40.25	0	0	0	23	3	0	0	0	7	20
40.15	0	0	0	0	27	0	0	0	26	0
40.05	0	0	0	0	26	0	0	0	27	0

GRID MEAN OF MAG(MA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
40.95	0	0	0	-396	0	0	0	0	0	0
40.85	0	0	0	-491	0	0	0	0	0	0
40.75	0	0	0	-363	0	0	0	0	0	0
40.65	0	0	0	-40	0	0	0	0	0	131
40.55	0	0	0	-92	0	0	0	0	0	-6
40.45	0	0	0	253	0	0	0	0	0	-118
40.35	0	0	0	158	0	0	0	0	0	-120
40.25	0	0	0	143	193	0	0	0	-132	-163
40.15	0	0	0	0	210	0	0	0	-135	0
40.05	0	0	0	0	399	0	0	0	-93	0

MAG STATIONS

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
41.95	0	0	0	0	0	0	0	27	0	0
41.85	0	0	0	0	0	0	0	27	0	0
41.75	0	0	0	0	0	0	0	27	0	0
41.65	0	0	0	0	0	0	27	0	0	13
41.55	0	0	0	0	0	0	28	0	0	26
41.45	0	0	0	0	0	0	27	0	0	25
41.35	0	0	0	0	0	0	27	0	0	26
41.25	0	0	0	0	0	0	27	0	0	26
41.15	0	0	0	0	0	0	27	0	0	25
41.05	0	0	0	0	0	0	28	0	0	26

GRID MEAN OF MAG(MA)

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
41.95	0	0	0	0	0	0	0	32	0	0
41.85	0	0	0	0	0	0	0	87	0	0
41.75	0	0	0	0	0	0	0	31	0	0
41.65	0	0	0	0	0	0	66	0	0	31
41.55	0	0	0	0	0	0	-4	0	0	34
41.45	0	0	0	0	0	0	-13	0	0	7
41.35	0	0	0	0	0	0	1	0	0	10
41.25	0	0	0	0	0	0	-21	0	0	4
41.15	0	0	0	0	0	0	102	0	0	-35
41.05	0	0	0	0	0	0	18	0	0	-17

MAG STATIONS

	.28 .95	.28 .85	.28 .75	.28 .65	.28 .55	.28 .45	.28 .35	.28 .25	.28 .15	.28 .05
41.95	0	0	14	13	0	0	0	0	0	0
41.85	0	0	27	0	0	0	0	0	0	0
41.75	0	0	27	0	0	0	0	0	0	12
41.65	0	0	27	0	0	0	0	0	0	27
41.55	0	7	20	0	0	0	0	0	0	26
41.45	0	27	0	0	0	0	0	0	12	15
41.35	0	26	0	0	0	0	0	0	26	0
41.25	0	27	0	0	0	0	0	0	27	0
41.15	0	27	0	0	0	0	0	12	14	0
41.05	27	0	0	0	0	0	0	26	0	0

GRID MEAN OF MAG(MA)

	.28 .95	.28 .85	.28 .75	.28 .65	.28 .55	.28 .45	.28 .35	.28 .25	.28 .15	.28 .05
41.95	0	0	19	0	0	0	0	0	0	0
41.85	0	0	-150	0	0	0	0	0	0	0
41.75	0	0	-75	0	0	0	0	0	0	19
41.65	0	0	-26	0	0	0	0	0	0	-8
41.55	0	-176	-120	0	0	0	0	0	0	-108
41.45	0	-243	0	0	0	0	0	0	55	-70
41.35	0	-261	0	0	0	0	0	0	59	0
41.25	0	149	0	0	0	0	0	0	-25	0
41.15	0	122	0	0	0	0	0	-237	-212	0
41.05	120	0	0	0	0	0	0	-185	0	0

MAG STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
41.95	0	0	0	0	26	0	0	0	0	0
41.85	0	0	0	0	25	0	0	0	0	0
41.75	0	0	0	0	27	0	0	0	0	0
41.65	0	0	0	0	26	0	0	0	0	0
41.55	0	0	0	0	27	0	0	0	0	0
41.45	0	0	0	0	26	0	0	0	0	0
41.35	0	0	0	0	25	0	0	0	0	0
41.25	0	0	0	0	26	0	0	0	0	0
41.15	0	0	0	15	9	0	0	0	0	0
41.05	0	0	0	25	0	0	0	0	0	0

GRID MEAN OF MAG (MA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
41.95	0	0	0	0	-73	0	0	0	0	0
41.85	0	0	0	0	-347	0	0	0	0	0
41.75	0	0	0	0	-506	0	0	0	0	0
41.65	0	0	0	0	-27	0	0	0	0	0
41.55	0	0	0	0	-42	0	0	0	0	0
41.45	0	0	0	0	-88	0	0	0	0	0
41.35	0	0	0	0	82	0	0	0	0	0
41.25	0	0	0	0	-228	0	0	0	0	0
41.15	0	0	0	-67	-244	0	0	0	0	0
41.05	0	0	0	-154	0	0	0	0	0	0

MAG STATIONS

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
42.95	0	0	0	0	0	0	0	27	0	0
42.85	0	0	0	0	0	0	0	27	0	0
42.75	0	0	0	0	0	0	0	27	0	0
42.65	0	0	0	0	0	0	0	27	0	0
42.55	0	0	0	0	0	0	0	8	0	0
42.45	0	0	0	0	0	0	0	26	0	0
42.35	0	0	0	0	0	0	0	27	0	0
42.25	0	0	0	0	0	0	0	27	0	0
42.15	0	0	0	0	0	0	0	27	0	0
42.05	0	0	0	0	0	0	0	27	0	0

GRID MEAN OF MAG (MA)

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
42.95	0	0	0	0	0	0	0	-49	0	0
42.85	0	0	0	0	0	0	0	-52	0	0
42.75	0	0	0	0	0	0	0	-3	0	0
42.65	0	0	0	0	0	0	0	23	0	0
42.55	0	0	0	0	0	0	0	145	0	0
42.45	0	0	0	0	0	0	0	67	0	0
42.35	0	0	0	0	0	0	0	64	0	0
42.25	0	0	0	0	0	0	0	72	0	0
42.15	0	0	0	0	0	0	0	123	0	0
42.05	0	0	0	0	0	0	0	100	0	0

MAG STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
42.95	0	0	0	0	0	27	0	0	0	0
42.85	0	0	0	0	2	25	0	0	0	0
42.75	0	0	0	0	27	0	0	0	0	0
42.65	0	0	0	0	27	0	0	0	0	0
42.55	0	0	0	0	27	0	0	0	0	0
42.45	0	0	0	0	27	0	0	0	0	0
42.35	0	0	0	22	5	0	0	0	0	0
42.25	0	0	0	27	0	0	0	0	0	0
42.15	0	0	0	27	0	0	0	0	0	0
42.05	0	0	0	25	0	0	0	0	0	0

GRID MEAN OF MAG (MA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
42.95	0	0	0	0	0	-239	0	0	0	0
42.85	0	0	0	0	-387	-436	0	0	0	0
42.75	0	0	0	0	-341	0	0	0	0	0
42.65	0	0	0	0	-321	0	0	0	0	0
42.55	0	0	0	0	-198	0	0	0	0	0
42.45	0	0	0	0	40	0	0	0	0	0
42.35	0	0	0	-20	36	0	0	0	0	0
42.25	0	0	0	16	0	0	0	0	0	0
42.15	0	0	0	-108	0	0	0	0	0	0
42.05	0	0	0	-254	0	0	0	0	0	0

MAG STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
42.95	0	0	0	0	26	0	0	0	0	0
42.85	0	0	0	0	27	0	0	0	0	0
42.75	0	0	0	0	26	0	0	0	0	0
42.65	0	0	0	0	26	0	0	0	0	0
42.55	0	0	0	0	25	0	0	0	0	0
42.45	0	0	0	0	26	0	0	0	0	0
42.35	0	0	0	0	25	0	0	0	0	0
42.25	0	0	0	0	25	0	0	0	0	0
42.15	0	0	0	0	27	0	0	0	0	0
42.05	0	0	0	0	23	0	0	0	0	0

GRID MEAN OF MAG (MA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
42.95	0	0	0	0	-87	0	0	0	0	0
42.85	0	0	0	0	-379	0	0	0	0	0
42.75	0	0	0	0	-434	0	0	0	0	0
42.65	0	0	0	0	11	0	0	0	0	0
42.55	0	0	0	0	-60	0	0	0	0	0
42.45	0	0	0	0	-20	0	0	0	0	0
42.35	0	0	0	0	-139	0	0	0	0	0
42.25	0	0	0	0	59	0	0	0	0	0
42.15	0	0	0	0	-65	0	0	0	0	0
42.05	0	0	0	0	-352	0	0	0	0	0

MAG STATIONS

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
43.95	0	0	0	0	0	0	27	0	0	0
43.85	0	0	0	0	0	0	16	12	0	0
43.75	0	0	0	0	0	0	0	27	0	0
43.65	0	0	0	0	0	0	0	25	0	0
43.55	0	0	0	0	0	0	0	27	0	0
43.45	0	0	0	0	0	0	0	27	0	0
43.35	0	0	0	0	0	0	0	26	0	0
43.25	0	0	0	0	0	0	0	27	0	0
43.15	0	0	0	0	0	0	0	27	0	0
43.05	0	0	0	0	0	0	0	27	0	0

GRID MEAN OF MAG(MA)

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
43.95	0	0	0	0	0	0	56	0	0	0
43.85	0	0	0	0	0	0	129	97	0	0
43.75	0	0	0	0	0	0	0	-63	0	0
43.65	0	0	0	0	0	0	0	-25	0	0
43.55	0	0	0	0	0	0	0	-63	0	0
43.45	0	0	0	0	0	0	0	0	0	0
43.35	0	0	0	0	0	0	0	10	0	0
43.25	0	0	0	0	0	0	0	-10	0	0
43.15	0	0	0	0	0	0	0	-86	0	0
43.05	0	0	0	0	0	0	0	-60	0	0

MAG STATIONS

	.27 .95	.27 .85	.27 .75	.27 .65	.27 .55	.27 .45	.27 .35	.27 .25	.27 .15	.27 .05
43.95	0	0	0	25	0	0	27	0	0	0
43.85	0	0	0	26	0	0	28	0	0	0
43.75	0	0	0	4	22	8	17	0	0	0
43.65	0	0	0	0	25	26	0	0	0	0
43.55	0	0	0	0	25	28	0	0	0	0
43.45	0	0	0	0	21	32	0	0	0	0
43.35	0	0	0	0	11	42	0	0	0	0
43.25	0	0	0	0	27	25	0	0	0	0
43.15	0	0	0	0	27	26	0	0	0	0
43.05	0	0	0	0	28	10	15	0	0	0

GRID MEAN OF MAG(MA)

	.27 .95	.27 .85	.27 .75	.27 .65	.27 .55	.27 .45	.27 .35	.27 .25	.27 .15	.27 .05
43.95	0	0	0	-140	0	0	104	0	0	0
43.85	0	0	0	46	0	0	61	0	0	0
43.75	0	0	0	66	-32	167	49	0	0	0
43.65	0	0	0	0	-86	87	0	0	0	0
43.55	0	0	0	0	98	-63	0	0	0	0
43.45	0	0	0	0	18	-30	0	0	0	0
43.35	0	0	0	0	-60	-10	0	0	0	0
43.25	0	0	0	0	-20	-13	0	0	0	0
43.15	0	0	0	0	120	-40	0	0	0	0
43.05	0	0	0	0	61	-66	-4	0	0	0

MAG STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
43.95	0	0	0	0	0	0	0	27	0	0
43.85	0	0	0	0	0	0	0	26	0	0
43.75	0	0	0	0	0	0	0	27	0	0
43.65	0	0	0	0	0	0	16	11	0	0
43.55	0	0	0	0	0	0	27	0	0	0
43.45	0	0	0	0	0	0	18	0	0	0
43.35	0	0	0	0	0	0	0	0	0	0
43.25	0	0	0	0	0	9	12	0	0	0
43.15	0	0	0	0	0	27	0	0	0	0
43.05	0	0	0	0	0	27	0	0	0	0

GRID MEAN OF MAG(MA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
43.95	0	0	0	0	0	0	0	-353	0	0
43.85	0	0	0	0	0	0	0	-257	0	0
43.75	0	0	0	0	0	0	0	-181	0	0
43.65	0	0	0	0	0	0	66	-59	0	0
43.55	0	0	0	0	0	0	52	0	0	0
43.45	0	0	0	0	0	0	85	0	0	0
43.35	0	0	0	0	0	0	0	0	0	0
43.25	0	0	0	0	0	329	238	0	0	0
43.15	0	0	0	0	0	176	0	0	0	0
43.05	0	0	0	0	0	-75	0	0	0	0

MAG STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
43.95	0	0	0	0	27	0	0	0	0	0
43.85	0	0	0	0	26	0	0	0	0	0
43.75	0	0	0	0	27	0	0	0	0	0
43.65	0	0	0	0	26	0	0	0	0	0
43.55	0	0	0	0	27	0	0	0	0	0
43.45	0	0	0	0	26	0	0	0	0	0
43.35	0	0	0	0	26	0	0	0	0	0
43.25	0	0	0	0	27	0	0	0	0	0
43.15	0	0	0	0	26	0	0	0	0	0
43.05	0	0	0	0	27	0	0	0	0	0

GRID MEAN OF MAG(MA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
43.95	0	0	0	0	51	0	0	0	0	0
43.85	0	0	0	0	-7	0	0	0	0	0
43.75	0	0	0	0	-147	0	0	0	0	0
43.65	0	0	0	0	-121	0	0	0	0	0
43.55	0	0	0	0	-8	0	0	0	0	0
43.45	0	0	0	0	39	0	0	0	0	0
43.35	0	0	0	0	28	0	0	0	0	0
43.25	0	0	0	0	0	0	0	0	0	0
43.15	0	0	0	0	-26	0	0	0	0	0
43.05	0	0	0	0	-206	0	0	0	0	0

MAG STATIONS

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
44.95	19	19	19	20	15	35	21	19	20	20
44.85	0	0	0	0	0	27	0	0	0	0
44.75	0	0	0	0	0	27	0	0	0	0
44.65	0	0	0	0	0	27	0	0	0	0
44.55	0	0	0	0	0	27	0	0	0	0
44.45	0	0	0	0	0	11	16	0	0	0
44.35	0	0	0	0	0	0	27	0	0	0
44.25	0	0	0	0	0	0	27	0	0	0
44.15	0	0	0	0	0	0	27	0	0	0
44.05	0	0	0	0	0	0	27	0	0	0

GRID MEAN OF MAG(MA)

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
44.95	-3	-34	-44	72	225	88	10	-113	-41	-66
44.85	0	0	0	0	0	-57	0	0	0	0
44.75	0	0	0	0	0	-65	0	0	0	0
44.65	0	0	0	0	0	181	0	0	0	0
44.55	0	0	0	0	0	19	0	0	0	0
44.45	0	0	0	0	0	-7	21	0	0	0
44.35	0	0	0	0	0	0	-65	0	0	0
44.25	0	0	0	0	0	0	-1	0	0	0
44.15	0	0	0	0	0	0	60	0	0	0
44.05	0	0	0	0	0	0	-14	0	0	0

MAG STATIONS

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
44.95	150	86	36	25	18	19	19	19	24	42
44.85	49	0	0	0	0	0	0	0	27	0
44.75	48	0	0	0	0	0	0	0	28	0
44.65	25	9	0	0	0	0	0	0	27	0
44.55	24	27	0	0	0	0	0	6	21	0
44.45	25	26	0	0	0	0	0	28	0	0
44.35	25	2	25	0	0	0	0	27	0	0
44.25	25	0	27	0	0	0	0	27	0	0
44.15	25	0	14	12	0	0	8	19	0	0
44.05	29	0	0	26	0	0	28	0	0	0

GRID MEAN OF MAG(MA)

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
44.95	96	-179	-159	-16	0	-135	-12	-253	-140	-137
44.85	156	0	0	0	0	0	0	0	-11	0
44.75	31	0	0	0	0	0	0	0	-59	0
44.65	26	-223	0	0	0	0	0	0	-209	0
44.55	78	-110	0	0	0	0	0	-120	-134	0
44.45	-168	175	0	0	0	0	0	23	0	0
44.35	-220	222	-25	0	0	0	0	130	0	0
44.25	138	0	-117	0	0	0	0	187	0	0
44.15	135	0	-30	-2	0	0	167	82	0	0
44.05	-12	0	0	99	0	0	190	0	0	0

MAG STATIONS

	28 .95	28 .85	23 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
44.95	24	23	17	18	31	54	51	61	53	70
44.85	0	0	0	0	0	0	0	0	0	0
44.75	0	0	0	0	0	0	0	0	0	5
44.65	0	0	0	0	0	0	0	0	0	31
44.55	0	0	0	0	0	0	0	0	3	23
44.45	0	0	0	0	0	0	0	0	27	0
44.35	0	0	0	0	0	0	0	0	27	0
44.25	0	0	0	0	0	0	0	0	27	0
44.15	0	0	0	0	0	0	0	0	27	0
44.05	20	20	21	20	20	21	19	43	23	20

GRID MEAN OF MAG(MA)

	28 .95	28 .85	23 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
44.95	36	14	-58	-158	-7	-126	-65	-117	90	279
44.85	0	0	0	0	0	0	0	0	0	0
44.75	0	0	0	0	0	0	0	0	0	67
44.65	0	0	0	0	0	0	0	0	0	4
44.55	0	0	0	0	0	0	0	0	-115	-131
44.45	0	0	0	0	0	0	0	0	-82	0
44.35	0	0	0	0	0	0	0	0	235	0
44.25	0	0	0	0	0	0	0	0	-90	0
44.15	0	0	0	0	0	0	0	0	-232	0
44.05	73	-47	94	-120	-70	356	523	161	-41	69

MAG STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
44.95	0	0	0	7	44	20	20	20	20	19
44.85	0	0	0	0	25	0	0	0	0	0
44.75	0	0	0	0	26	0	0	0	0	0
44.65	0	0	0	0	26	0	0	0	0	0
44.55	0	0	0	0	26	0	0	0	0	0
44.45	0	0	0	0	25	0	0	0	0	0
44.35	0	0	0	0	26	0	0	0	0	0
44.25	0	0	0	0	26	0	0	0	0	0
44.15	0	0	0	0	26	0	0	0	0	0
44.05	17	16	17	16	46	19	20	20	21	18

GRID MEAN OF MAG(MA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
44.95	0	0	0	158	19	-44	-122	-50	-3	118
44.85	0	0	0	0	102	0	0	0	0	0
44.75	0	0	0	0	-80	0	0	0	0	0
44.65	0	0	0	0	-145	0	0	0	0	0
44.55	0	0	0	0	27	0	0	0	0	0
44.45	0	0	0	0	-44	0	0	0	0	0
44.35	0	0	0	0	-40	0	0	0	0	0
44.25	0	0	0	0	-113	0	0	0	0	0
44.15	0	0	0	0	26	0	0	0	0	0
44.05	193	58	111	-24	45	-141	60	-33	-24	9

MAG STATIONS

	20 .95	20 .85	20 .75	20 .65	20 .55	20 .45	20 .35	20 .25	20 .15	20 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	19	19	18	20	20	19	20	4	0	1

GRID MEAN OF MAG(MA)

	20 .95	20 .85	20 .75	20 .65	20 .55	20 .45	20 .35	20 .25	20 .15	20 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-354	-278	71	29	-214	-40	-37	-154	0	83

MAG STATIONS

	21 .95	21 .85	21 .75	21 .65	21 .55	21 .45	21 .35	21 .25	21 .15	21 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	19	19	19	19	19	18	19	19	19	18

GRID MEAN OF MAG(MA)

	21 .95	21 .85	21 .75	21 .65	21 .55	21 .45	21 .35	21 .25	21 .15	21 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	53	-5	-55	-113	-95	.62	188	16	-144	-237

MAG STATIONS

	22 .95	22 .85	22 .75	22 .65	22 .55	22 .45	22 .35	22 .25	22 .15	22 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	19	18	19	19	19	19	19	19	19	19

GRID MEAN OF MAG(MA)

	22 .95	22 .85	22 .75	22 .65	22 .55	22 .45	22 .35	22 .25	22 .15	22 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-95	-196	-157	-95	-123	-48	-16	-111	-53	54

MAG STATIONS

	23 .95	23 .85	23 .75	23 .65	23 .55	23 .45	23 .35	23 .25	23 .15	23 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	0	0	0	0	0	0	13	19	19	18

GRID MEAN OF MAG(MA)

	23 .95	23 .85	23 .75	23 .65	23 .55	23 .45	23 .35	23 .25	23 .15	23 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	0	0	0	0	0	0	0	0	0	0
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	0	0	0	0	0	0	71	-4	-75	-84

MAG STATIONS

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
45.95	18	18	14	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	19	19	12	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	18	18	18	18	19	19	18	19	19	11
45.45	19	19	18	19	7	0	0	0	0	0
45.35	0	0	0	0	26	0	0	0	0	0
45.25	0	0	0	0	27	0	0	0	0	0
45.15	0	0	0	0	15	12	0	0	0	0
45.05	0	0	0	0	0	26	0	0	0	0

GRID MEAN OF MAG(MA)

	25 .95	25 .85	25 .75	25 .65	25 .55	25 .45	25 .35	25 .25	25 .15	25 .05
45.95	85	109	64	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	158	19	-69	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	-57	-178	-58	57	3	40	-11	38	12	100
45.45	3	-112	-18	34	-89	0	0	0	0	0
45.35	0	0	0	0	37	0	0	0	0	0
45.25	0	0	0	0	39	0	0	0	0	0
45.15	0	0	0	0	88	61	0	0	0	0
45.05	0	0	0	0	0	119	0	0	0	0

MAG STATIONS

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
45.95	61	57	46	18	19	18	19	15	18	19
45.85	176	127	115	0	0	0	0	0	0	0
45.75	297	230	166	169	84	62	73	79	62	62
45.65	259	247	280	268	159	133	139	180	176	157
45.55	384	383	302	202	149	154	180	192	229	200
45.45	171	220	218	177	131	182	184	183	197	189
45.35	174	200	208	117	103	115	118	136	148	139
45.25	258	162	70	48	55	56	71	100	75	90
45.15	296	204	77	21	21	21	22	21	21	19
45.05	234	130	23	0	0	0	0	0	0	29

GRID MEAN OF MAG(MA)

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
45.95	-246	-291	-10	-49	75	21	-110	-143	91	-4
45.85	-175	14	96	0	0	0	0	0	0	0
45.75	-25	76	151	296	96	-100	72	83	46	1
45.65	-95	127	90	176	19	-100	155	-35	33	6
45.55	88	357	216	-43	-172	-56	43	-23	14	-55
45.45	70	518	165	-71	-191	113	10	-78	-34	-6
45.35	301	381	-51	-116	30	69	-44	-51	-187	104
45.25	428	186	-220	-78	39	-65	31	16	-117	40
45.15	371	168	-341	-27	68	-39	122	-18	-123	-53
45.05	188	15	-39	0	0	0	0	0	0	-85

MAG STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
45.95	83	110	88	107	88	30	39	57	55	62
45.85	59	87	84	111	119	266	311	302	270	227
45.75	94	109	79	95	126	172	171	209	235	293
45.65	116	157	113	160	281	181	183	139	207	319
45.55	276	277	255	297	277	216	270	228	302	433
45.45	148	281	240	182	176	158	111	144	199	212
45.35	338	250	210	198	224	175	205	323	577	259
45.25	541	303	181	213	139	177	182	255	446	322
45.15	400	283	218	154	142	199	174	210	211	262
45.05	190	153	59	71	110	113	149	179	182	209

GRID MEAN OF MAG(MA)

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
45.95	2	19	24	37	22	-32	-59	-101	30	76
45.85	-23	20	14	35	-29	-18	-65	8	6	-64
45.75	70	-29	-36	-3	40	-55	0	100	-22	-6
45.65	29	-50	37	67	-5	7	43	-23	-97	-148
45.55	17	37	-59	-20	-14	-35	66	55	-192	-44
45.45	-30	59	-159	-29	5	-66	83	-31	-311	-248
45.35	-47	81	-35	-77	0	111	-98	-66	-324	-186
45.25	123	-4	-29	-53	-115	126	-203	-41	-323	194
45.15	13	-109	-75	-84	-8	-25	-184	-39	17	211
45.05	53	-32	-82	-62	104	-244	26	-269	70	335

MAG STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
45.95	24	144	132	122	119	168	117	200	91	83
45.85	45	119	32	39	78	64	37	74	28	49
45.75	60	133	103	141	111	149	121	142	113	82
45.65	111	131	114	79	97	193	128	149	101	111
45.55	130	198	165	159	213	221	154	205	270	252
45.45	95	112	95	140	171	169	192	172	182	161
45.35	171	175	194	238	395	277	252	215	254	213
45.25	234	270	162	158	319	179	180	257	243	511
45.15	120	116	115	165	235	129	119	137	209	350
45.05	122	182	221	228	270	218	218	178	187	183

GRID MEAN OF MAG(MA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
45.95	-30	26	19	40	9	17	-60	166	88	-49
45.85	-7	66	22	-10	7	-60	-77	230	110	-14
45.75	-27	-13	0	-29	-16	-144	-69	95	24	-17
45.65	106	55	50	-76	-25	-63	93	114	-12	23
45.55	79	-1	25	-40	-85	167	256	198	11	90
45.45	3	-31	0	-91	67	166	63	52	-23	6
45.35	0	10	-81	-76	99	111	-48	-81	15	47
45.25	-35	-40	-138	-203	95	14	-55	-18	34	30
45.15	89	3	-87	32	68	-9	-20	-56	74	8
45.05	-13	-41	0	109	56	-27	-21	-69	68	84

MAG STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
45.95	24	144	132	122	119	168	117	200	91	83
45.85	45	119	32	39	78	64	37	74	28	49
45.75	60	133	103	141	111	149	121	142	113	82
45.65	111	131	114	79	97	193	128	149	101	111
45.55	130	198	165	159	213	221	154	205	270	252
45.45	95	112	95	140	171	169	192	172	182	161
45.35	171	175	194	238	395	277	252	215	254	213
45.25	234	270	162	158	319	179	180	257	243	511
45.15	120	116	115	165	235	129	119	137	209	350
45.05	122	182	221	228	270	218	218	178	187	183

GRID MEAN OF MAG(MA)

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
45.95	-30	26	19	40	9	17	-60	166	88	-49
45.85	-7	66	22	-10	7	-60	-77	230	110	-14
45.75	-27	-13	0	-29	-16	-144	-69	95	24	-17
45.65	106	55	50	-76	-25	-63	93	114	-12	23
45.55	79	-1	25	-40	-85	167	256	198	11	90
45.45	3	-31	0	-91	67	166	63	52	-23	6
45.35	0	10	-81	-76	99	111	-48	-81	15	47
45.25	-35	-40	-138	-203	95	14	-55	-18	34	30
45.15	89	3	-87	32	68	-9	-20	-56	74	8
45.05	-13	-41	0	109	56	-27	-21	-69	68	84

MAG STATIONS

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
46.95	0	0	0	0	17	18	17	18	13	18
46.85	0	0	0	0	26	0	0	0	0	0
46.75	0	0	0	0	26	0	0	0	0	0
46.65	0	0	0	17	8	0	0	0	0	0
46.55	0	0	0	26	0	0	0	0	0	0
46.45	0	0	0	26	0	0	0	0	0	0
46.35	0	0	0	25	0	0	0	0	0	0
46.25	0	0	0	26	0	0	0	0	0	0
46.15	0	0	4	21	0	0	0	0	0	0
46.05	0	0	13	0	0	0	0	0	0	0

GRID MEAN OF MAG(MA)

	27 .95	27 .85	27 .75	27 .65	27 .55	27 .45	27 .35	27 .25	27 .15	27 .05
46.95	0	0	0	0	74	42	203	177	-3	-83
46.85	0	0	0	0	-57	0	0	0	0	0
46.75	0	0	0	0	-35	0	0	0	0	0
46.65	0	0	0	-111	-46	0	0	0	0	0
46.55	0	0	0	-234	0	0	0	0	0	0
46.45	0	0	0	-158	0	0	0	0	0	0
46.35	0	0	0	-236	0	0	0	0	0	0
46.25	0	0	0	-207	0	0	0	0	0	0
46.15	0	0	202	82	0	0	0	0	0	0
46.05	0	0	212	0	0	0	0	0	0	0

MAG STATIONS

	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
46.95	0	0	0	0	0	0	0	0	0	0
46.85	0	0	0	0	0	0	0	0	0	0
46.75	0	0	0	0	0	0	0	0	0	0
46.65	0	0	0	0	0	0	0	0	0	0
46.55	0	0	0	0	0	0	0	0	0	0
46.45	0	0	0	0	0	0	0	0	0	0
46.35	0	0	0	0	0	0	0	0	0	0
46.25	0	0	0	0	0	0	0	0	0	0
46.15	0	0	0	0	0	0	0	0	0	0
46.05	36	44	35	36	26	6	0	0	0	0

GRID MEAN OF MAG(MA)

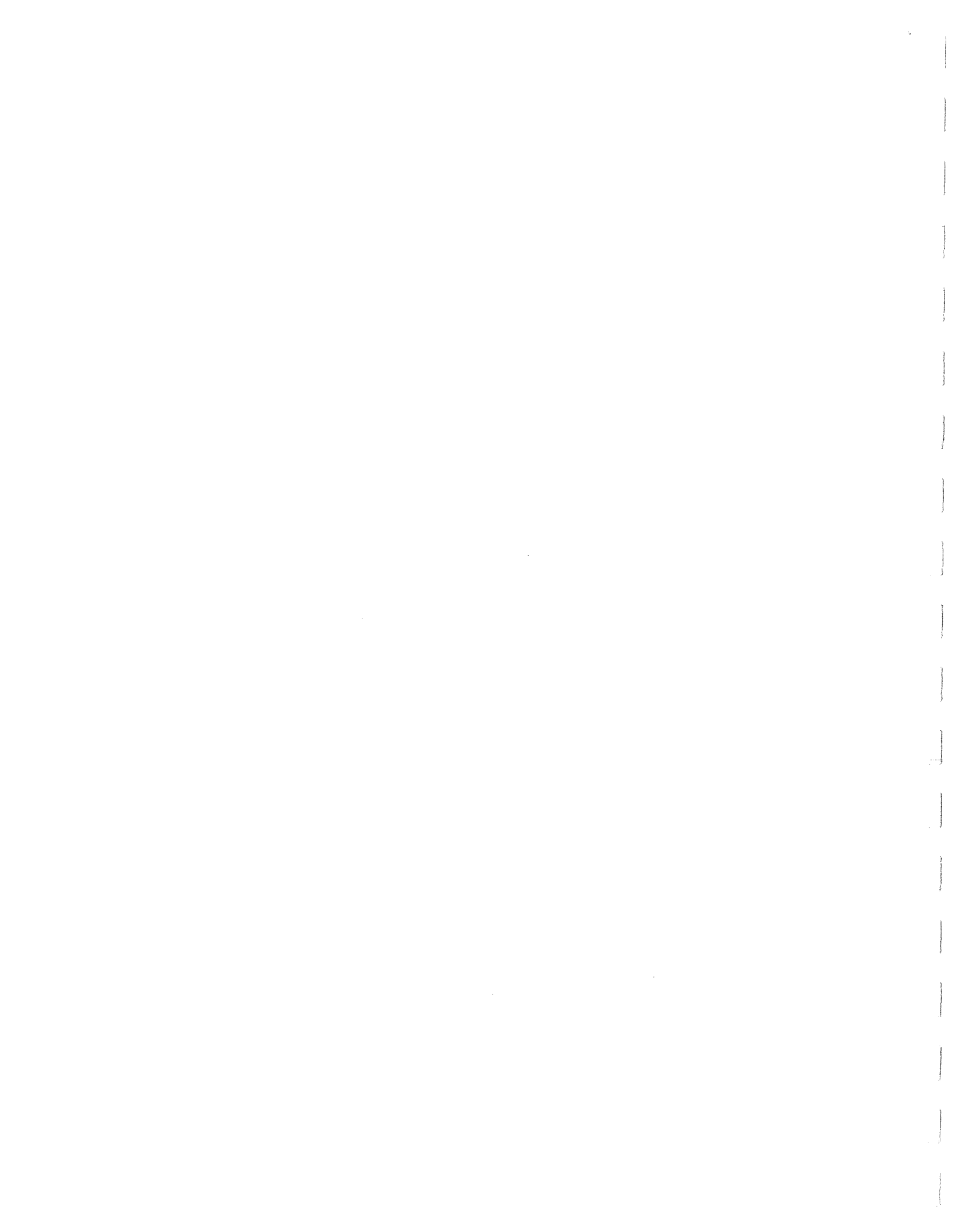
	28 .95	28 .85	28 .75	28 .65	28 .55	28 .45	28 .35	28 .25	28 .15	28 .05
46.95	0	0	0	0	0	0	0	0	0	0
46.85	0	0	0	0	0	0	0	0	0	0
46.75	0	0	0	0	0	0	0	0	0	0
46.65	0	0	0	0	0	0	0	0	0	0
46.55	0	0	0	0	0	0	0	0	0	0
46.45	0	0	0	0	0	0	0	0	0	0
46.35	0	0	0	0	0	0	0	0	0	0
46.25	0	0	0	0	0	0	0	0	0	0
46.15	0	0	0	0	0	0	0	0	0	0
46.05	-6	94	51	-7	31	2	0	0	0	0

MAG STATIONS

	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
46.95	0	0	0	0	0	0	0	0	0	0
46.85	0	0	0	0	0	0	0	0	0	0
46.75	0	0	0	0	0	0	0	0	0	0
46.65	0	0	0	0	0	0	0	0	0	0
46.55	0	0	0	0	0	0	0	0	0	0
46.45	0	0	0	0	0	0	0	0	0	0
46.35	0	0	0	0	0	0	0	0	0	0
46.25	0	0	0	0	0	0	0	0	0	0
46.15	0	0	0	0	0	0	0	0	0	0
46.05	7	32	18	19	18	36	110	54	65	37

GRID MEAN OF MAG(MA)

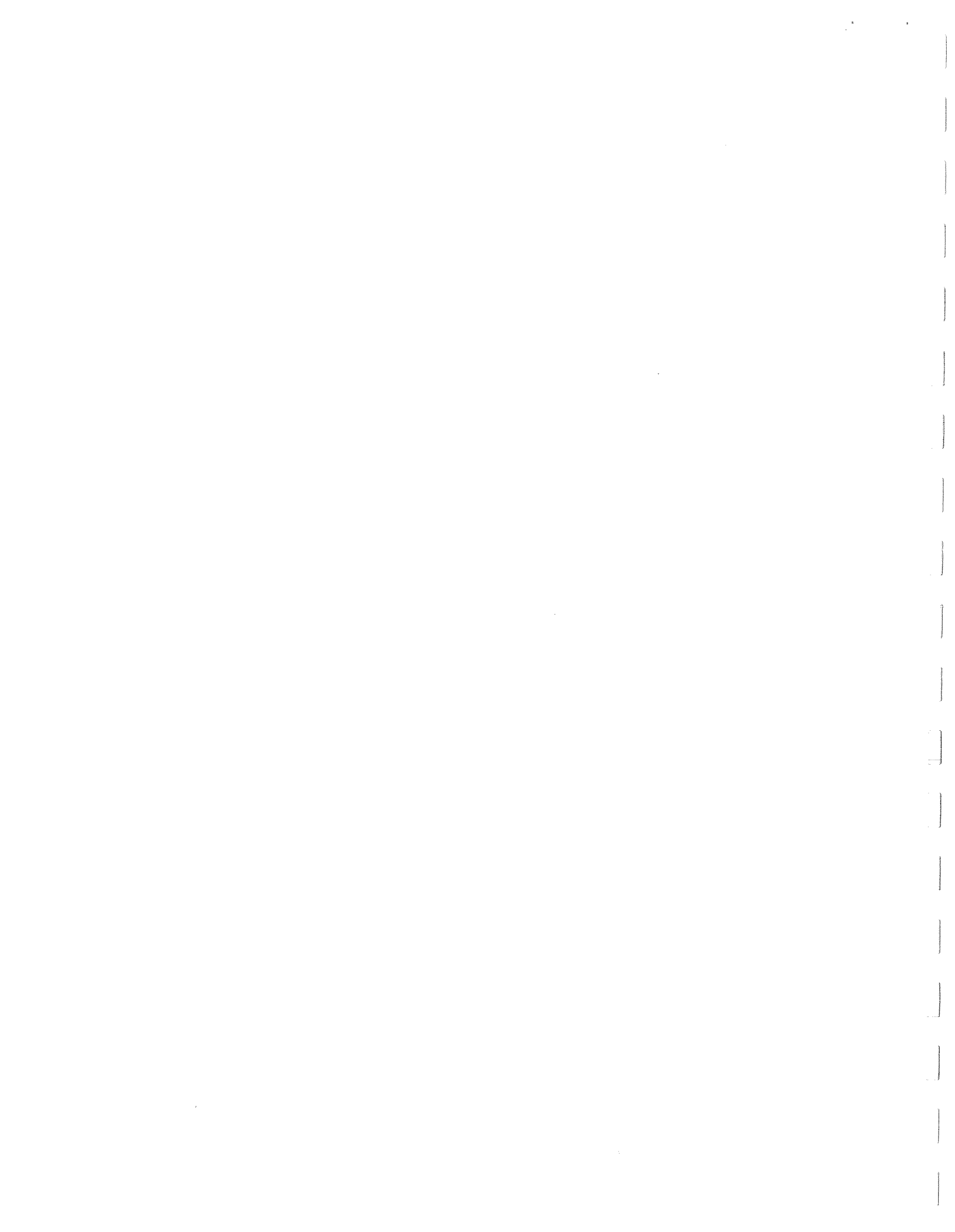
	29 .95	29 .85	29 .75	29 .65	29 .55	29 .45	29 .35	29 .25	29 .15	29 .05
46.95	0	0	0	0	0	0	0	0	0	0
46.85	0	0	0	0	0	0	0	0	0	0
46.75	0	0	0	0	0	0	0	0	0	0
46.65	0	0	0	0	0	0	0	0	0	0
46.55	0	0	0	0	0	0	0	0	0	0
46.45	0	0	0	0	0	0	0	0	0	0
46.35	0	0	0	0	0	0	0	0	0	0
46.25	0	0	0	0	0	0	0	0	0	0
46.15	0	0	0	0	0	0	0	0	0	0
46.05	15	87	131	125	37	21	-70	133	99	-77

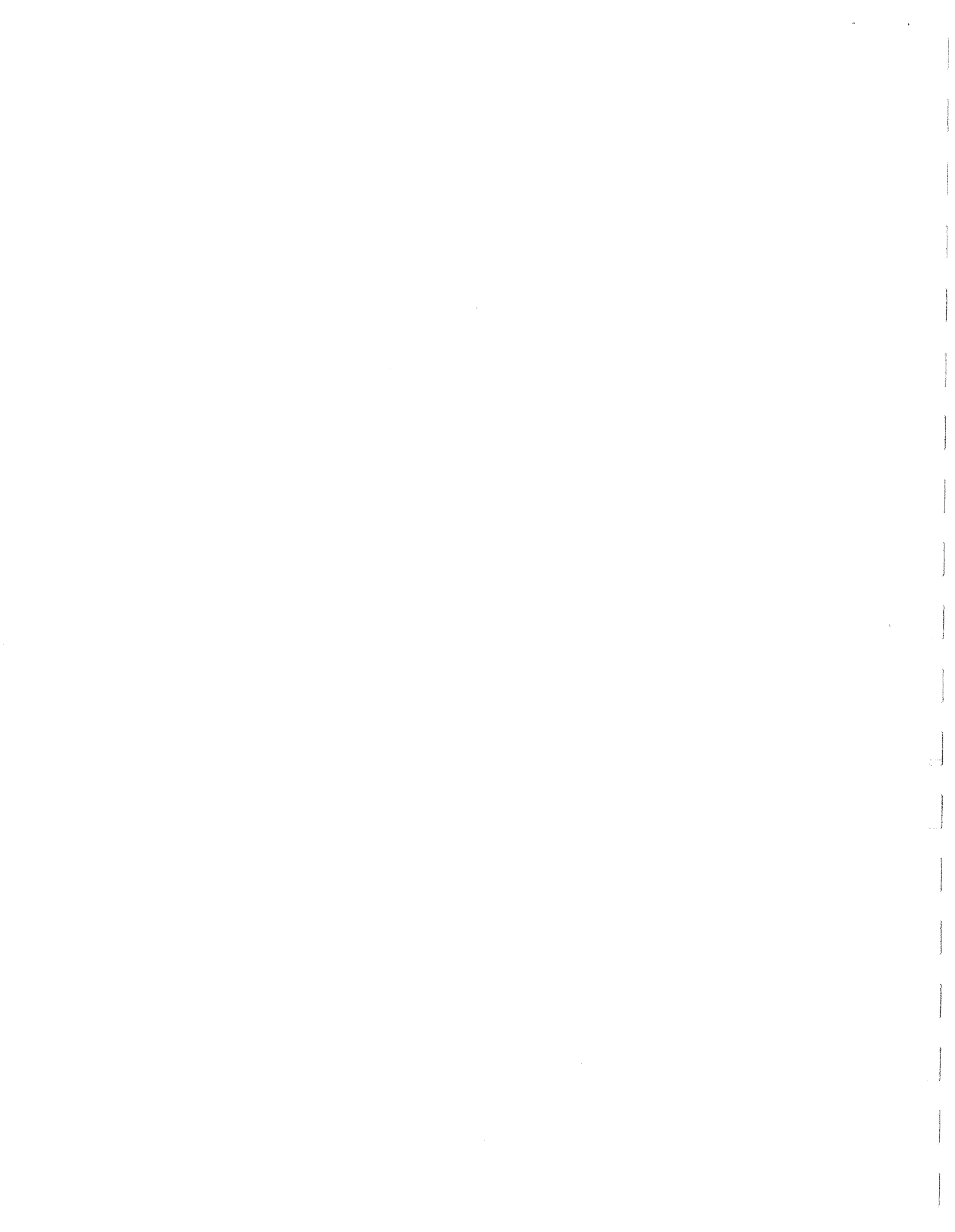


Appendix K

SIX-MINUTE GRID VALUES OF
FREE AIR GRAVITY
IN
MARSDEN SQUARE 148

February 15, 1977





GRAVITY STATIONS

	30 .95	30 .85	30 .75	30 .65	30 .55	30 .45	30 .35	30 .25	30 .15	30 .05
44.95	0	0	0	0	0	0	0	0	0	0
44.85	0	0	0	0	0	0	0	0	0	0
44.75	0	0	0	0	0	0	0	0	0	0
44.65	0	0	0	0	0	0	0	0	0	0
44.55	0	0	0	0	0	0	0	0	0	0
44.45	0	0	0	0	0	0	0	0	0	0
44.35	0	0	0	0	0	0	0	0	0	0
44.25	0	0	0	0	0	0	0	0	0	0
44.15	0	0	0	0	0	0	0	0	0	0
44.05	0	0	0	0	0	0	7	17	15	16

GRID MEAN OF GRAVITY (FA)

	30 .95	30 .85	30 .75	30 .65	30 .55	30 .45	30 .35	30 .25	30 .15	30 .05
44.95	0	0	0	0	0	0	0	0	0	0
44.85	0	0	0	0	0	0	0	0	0	0
44.75	0	0	0	0	0	0	0	0	0	0
44.65	0	0	0	0	0	0	0	0	0	0
44.55	0	0	0	0	0	0	0	0	0	0
44.45	0	0	0	0	0	0	0	0	0	0
44.35	0	0	0	0	0	0	0	0	0	0
44.25	0	0	0	0	0	0	0	0	0	0
44.15	0	0	0	0	0	0	0	0	0	0
44.05	0	0	0	0	0	0	37	46	44	40

GRAVITY STATIONS

	30 .95	30 .85	30 .75	30 .65	30 .55	30 .45	30 .35	30 .25	30 .15	30 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	13	0	0	14	18	19	19	18	30	94
45.55	18	19	19	19	19	19	19	18	46	110
45.45	0	0	0	0	0	0	0	0	57	141
45.35	0	0	0	0	0	0	0	6	51	94
45.25	0	0	0	0	0	0	0	1	78	143
45.15	0	0	0	0	0	0	0	2	56	108
45.05	12	17	18	18	18	18	18	15	19	58

GRID MEAN OF GRAVITY (FA)

	30 .95	30 .85	30 .75	30 .65	30 .55	30 .45	30 .35	30 .25	30 .15	30 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	26	0	0	29	26	21	26	35	44	45
45.55	31	35	48	45	46	50	49	41	38	39
45.45	0	0	0	0	0	0	0	0	39	40
45.35	0	0	0	0	0	0	0	40	41	37
45.25	0	0	0	0	0	0	0	33	32	34
45.15	0	0	0	0	0	0	0	46	40	39
45.05	26	26	23	26	26	33	42	33	34	37

GRAVITY STATIONS

	31 .95	31 .85	31 .75	31 .65	31 .55	31 .45	31 .35	31 .25	31 .15	31 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	20	20	11	2	20	19	18	6	0	2
45.55	18	19	18	19	18	19	18	12	18	19
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	18	18	19	17	5	18	18	18	18	19

GRID MEAN OF GRAVITY (FA)

	31 .95	31 .85	31 .75	31 .65	31 .55	31 .45	31 .35	31 .25	31 .15	31 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	24	36	25	15	24	30	44	72	0	27
45.55	34	23	25	38	35	35	36	27	25	29
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	35	29	28	23	36	37	37	30	32	26

GRAVITY STATIONS

	32 .95	32 .85	32 .75	32 .65	32 .55	32 .45	32 .35	32 .25	32 .15	32 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	23	3	0	0	11	11	0	14	21	20
45.55	18	19	18	19	19	18	19	18	19	19
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	19	19	18	11	11	0	0	13	19	18

GRID MEAN OF GRAVITY (FA)

	32 .95	32 .85	32 .75	32 .65	32 .55	32 .45	32 .35	32 .25	32 .15	32 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	16	13	0	0	20	18	0	2	3	16
45.55	42	35	28	28	31	29	30	40	38	36
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	4	4	19	21	25	0	0	28	25	25

GRAVITY STATIONS

	32 .95	32 .85	32 .75	32 .65	32 .55	32 .45	32 .35	32 .25	32 .15	32 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	23	3	0	0	11	11	0	14	21	20
45.55	18	19	18	19	19	18	19	18	19	19
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	19	19	18	11	11	0	0	13	19	18

GRID MEAN OF GRAVITY (FA)

	32 .95	32 .85	32 .75	32 .65	32 .55	32 .45	32 .35	32 .25	32 .15	32 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	16	13	0	0	20	18	0	2	3	16
45.55	42	35	28	28	31	29	30	40	38	36
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	4	4	19	21	25	0	0	28	25	25

GRAVITY STATIONS

	33 .95	33 .85	33 .75	33 .65	33 .55	33 .45	33 .35	33 .25	33 .15	33 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	21	21	22	22	22	7	4	0	0	12
45.55	19	20	19	19	19	19	19	19	19	18
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	15	14	14	19	19	19	18	19	19	18

GRID MEAN OF GRAVITY (FA)

	33 .95	33 .85	33 .75	33 .65	33 .55	33 .45	33 .35	33 .25	33 .15	33 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	15	25	15	20	27	29	25	0	0	19
45.55	33	30	33	27	29	37	36	34	45	46
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	21	24	22	23	21	15	14	18	15	15

GRAVITY STATIONS

	34 .95	34 .85	34 .75	34 .65	34 .55	34 .45	34 .35	34 .25	34 .15	34 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	21	22	22	21	22	22	22	21	21	21
45.55	19	20	19	12	19	19	19	19	19	19
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	21	8	28	28	29	28	28	3	3	0

GRID MEAN OF GRAVITY (FA)

	34 .95	34 .85	34 .75	34 .65	34 .55	34 .45	34 .35	34 .25	34 .15	34 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	20	25	23	16	17	26	26	22	17	15
45.55	24	25	29	40	40	35	33	33	37	40
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	2	0	1	1	3	6	10	15	22	0

GRAVITY STATIONS

	35 .95	35 .85	35 .75	35 .65	35 .55	35 .45	35 .35	35 .25	35 .15	35 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	21	17	0	13	22	22	22	22	22	21
45.55	18	19	18	19	16	19	18	19	19	18
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	27	27	21	27	28	27	27	27	28	28

GRID MEAN OF GRAVITY (FA)

	35 .95	35 .85	35 .75	35 .65	35 .55	35 .45	35 .35	35 .25	35 .15	35 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	15	15	0	13	9	9	6	6	11	17
45.55	35	30	32	32	32	32	27	30	30	26
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	24	21	23	26	25	22	21	20	11	5

GRAVITY STATIONS

	36 .95	36 .85	36 .75	36 .65	36 .55	36 .45	36 .35	36 .25	36 .15	36 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	10	22	22
45.55	20	19	18	19	18	19	14	19	18	19
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	27	27	27	27	27	27	28	27	27	27

GRID MEAN OF GRAVITY (FA)

	36 .95	36 .85	36 .75	36 .65	36 .55	36 .45	36 .35	36 .25	36 .15	36 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	5	10	12
45.55	26	20	14	15	18	23	29	32	32	35
45.45	0	0	0	0	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	14	15	17	16	20	25	29	27	28	27

GRAVITY STATIONS

	38 .95	38 .85	38 .75	38 .65	38 .55	38 .45	38 .35	38 .25	38 .15	38 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	18	18	18	18	18	17	17	17	18	20
45.55	0	0	0	15	20	19	20	19	20	19
45.45	17	18	20	4	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	45	46	45	27	27	27	26	27	27	27
45.05	0	0	0	0	0	0	0	0	0	0

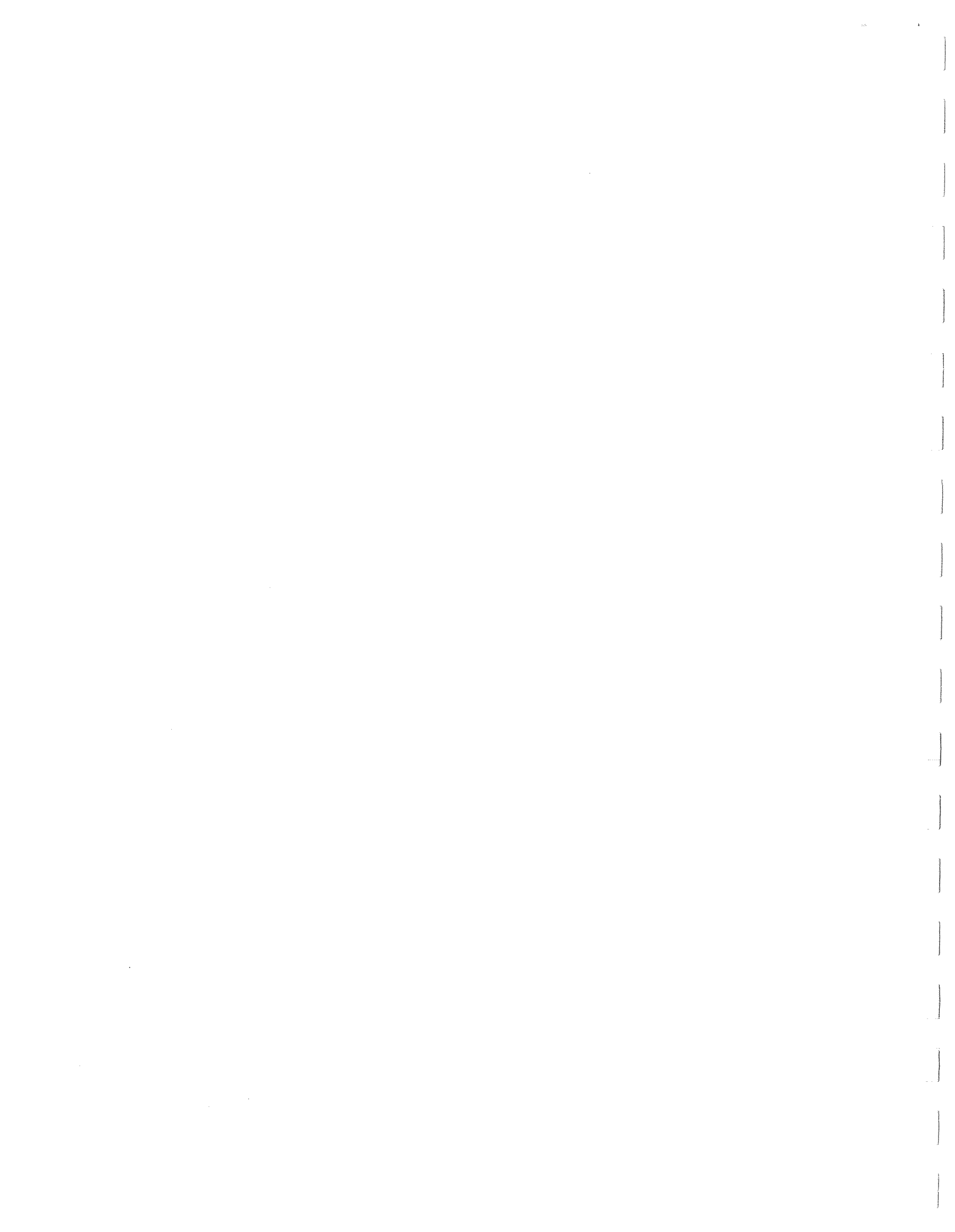
GRID MEAN OF GRAVITY (FA)

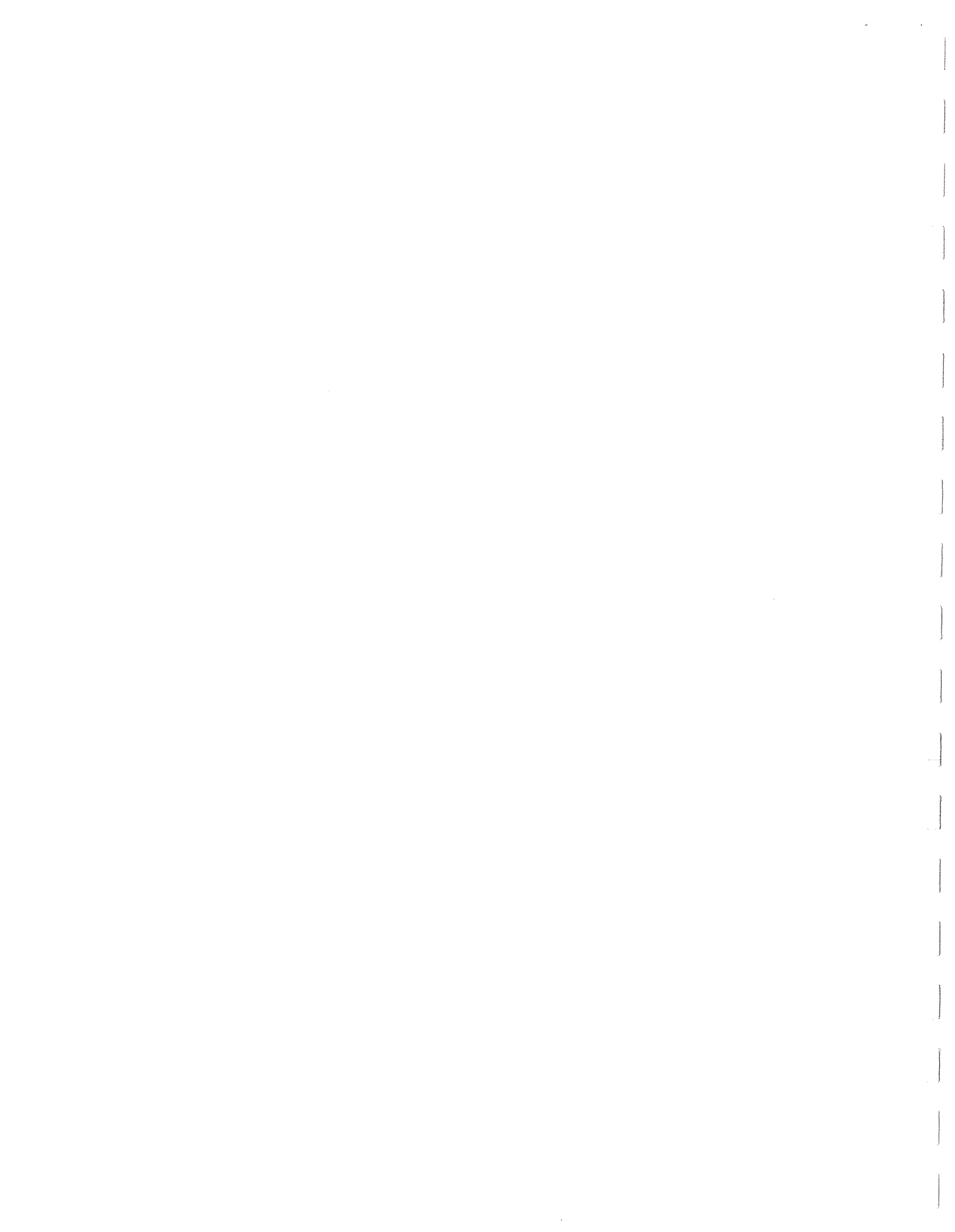
	38 .95	38 .85	38 .75	38 .65	38 .55	38 .45	38 .35	38 .25	38 .15	38 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	4	7	8	7	7	10	12	15	9	-7
45.55	0	0	0	21	24	19	17	18	17	18
45.45	6	7	12	16	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	0	0	0	0	0	0
45.15	3	6	13	19	27	28	25	22	22	24
45.05	0	0	0	0	0	0	0	0	0	0

Appendix L

SIX-MINUTE GRID MEAN VALUES OF
MAGNETIC ANOMALIES
IN
MARSDEN SQUARE 148

February 15, 1977





MAG STATIONS

	30 .95	30 .85	30 .75	30 .65	30 .55	30 .45	30 .35	30 .25	30 .15	30 .05
44.95	26	26	25	26	26	25	0	0	0	0
44.85	0	0	0	0	0	0	0	0	0	0
44.75	0	0	0	0	0	0	0	0	0	0
44.65	0	0	0	0	0	0	0	0	0	0
44.55	0	0	0	0	0	0	0	0	0	0
44.45	0	0	0	0	0	0	0	0	0	0
44.35	0	0	0	0	0	0	0	0	0	0
44.25	0	0	0	0	0	0	0	0	0	0
44.15	0	0	0	0	0	0	0	0	0	0
44.05	0	0	0	0	0	0	7	17	15	16

GRID MEAN OF MAG(MA)

	30 .95	30 .85	30 .75	30 .65	30 .55	30 .45	30 .35	30 .25	30 .15	30 .05
44.95	-140	-155	123	-141	-131	-37	0	0	0	0
44.85	0	0	0	0	0	0	0	0	0	0
44.75	0	0	0	0	0	0	0	0	0	0
44.65	0	0	0	0	0	0	0	0	0	0
44.55	0	0	0	0	0	0	0	0	0	0
44.45	0	0	0	0	0	0	0	0	0	0
44.35	0	0	0	0	0	0	0	0	0	0
44.25	0	0	0	0	0	0	0	0	0	0
44.15	0	0	0	0	0	0	0	0	0	0
44.05	0	0	0	0	0	0	-115	25	-161	-51

MAG STATIONS

	30 .95	30 .85	30 .75	30 .65	30 .55	30 .45	30 .35	30 .25	30 .15	30 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	19	19	18	19	17	19	18	6	33	98
45.55	18	19	19	19	19	19	19	18	92	156
45.45	0	0	0	0	0	0	0	5	129	153
45.35	20	21	21	20	21	20	21	44	129	176
45.25	0	0	0	0	0	0	0	11	99	155
45.15	0	0	0	0	0	0	0	5	95	141
45.05	17	18	18	18	18	18	44	43	59	128

GRID MEAN OF MAG(MA)

	30 .95	30 .85	30 .75	30 .65	30 .55	30 .45	30 .35	30 .25	30 .15	30 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	137	89	70	16	93	161	388	64	-48	13
45.55	163	76	85	-90	-59	-54	-154	-107	-50	98
45.45	0	0	0	0	0	0	0	-3	114	113
45.35	-32	173	255	-25	-76	-77	-128	44	134	56
45.25	0	0	0	0	0	0	0	8	53	64
45.15	0	0	0	0	0	0	0	-42	-9	13
45.05	-27	0	-129	-83	67	15	35	-17	-47	9

MAG STATIONS

	31 .95	31 .85	31 .75	31 .65	31 .55	31 .45	31 .35	31 .25	31 .15	31 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	9	20	19	19	18	19	18	19
45.55	18	19	18	19	18	19	18	18	18	19
45.45	0	0	0	0	0	0	0	0	0	0
45.35	21	20	21	21	21	20	21	20	21	20
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	47	47	37	17	6	18	18	18	18	19

GRID MEAN OF MAG(MA)

	31 .95	31 .85	31 .75	31 .65	31 .55	31 .45	31 .35	31 .25	31 .15	31 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	161	39	69	152	140	180	13	-52
45.55	-140	-15	15	67	-7	-40	103	-108	-7	5
45.45	0	0	0	0	0	0	0	0	0	0
45.35	31	-135	28	-22	-144	-23	72	-56	-73	-80
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-89	-117	-30	-57	104	36	69	197	-52	-125

MAG STATIONS

	32 .95	32 .85	32 .75	32 .65	32 .55	32 .45	32 .35	32 .25	32 .15	32 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	18	19	13	19	19	18	19	18	19	19
45.45	0	0	0	0	0	0	0	0	0	0
45.35	17	18	13	17	18	20	24	24	20	20
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	47	47	45	45	47	46	45	47	48	47

GRID MEAN OF MAG (MA)

	32 .95	32 .85	32 .75	32 .65	32 .55	32 .45	32 .35	32 .25	32 .15	32 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	0	0	0	0
45.55	76	57	-76	-129	-51	-219	-156	-127	-48	-35
45.45	0	0	0	0	0	0	0	0	0	0
45.35	181	187	-42	-79	97	-120	-175	-64	-53	-29
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-95	-20	-40	-151	-110	-22	24	-11	15	86

MAG STATIONS

	33 .95	33 .85	33 .75	33 .65	33 .55	33 .45	33 .35	33 .25	33 .15	33 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	21	21	22	22	22	22	8	0	0	0
45.55	19	20	19	19	19	19	19	19	19	18
45.45	0	0	0	0	0	0	0	0	0	0
45.35	17	18	18	18	18	17	18	18	17	18
45.25	0	0	0	0	0	0	0	0	0	0
45.15	13	2	0	0	0	0	0	0	0	0
45.05	26	39	44	44	45	44	44	44	45	41

GRID MEAN OF MAG (MA)

	33 .95	33 .85	33 .75	33 .65	33 .55	33 .45	33 .35	33 .25	33 .15	33 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	-93	-65	-50	174	109	-54	-55	0	0	0
45.55	-166	33	83	-56	-164	40	205	129	-3	55
45.45	0	0	0	0	0	0	0	0	0	0
45.35	94	4	-145	-222	-87	93	185	-29	-60	41
45.25	0	0	0	0	0	0	0	0	0	0
45.15	197	147	0	0	0	0	0	0	0	0
45.05	45	-43	-144	-53	41	149	181	129	74	-30

MAG STATIONS

	34 .95	34 .85	34 .75	34 .65	34 .55	34 .45	34 .35	34 .25	34 .15	34 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	17	22	22	13	22	22	22	21	21	21
45.55	19	20	19	18	19	19	19	19	19	19
45.45	0	0	0	0	0	0	0	0	0	0
45.35	19	20	18	18	18	18	18	18	18	18
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	29	28	28	28	29	28	28	28	26	24

GRID MEAN OF MAG (MA)

	34 .95	34 .85	34 .75	34 .65	34 .55	34 .45	34 .35	34 .25	34 .15	34 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	440	573	557	231	-105	-61	100	141	151	-76
45.55	173	-31	-198	-149	45	239	205	-115	-175	-171
45.45	0	0	0	0	0	0	0	0	0	0
45.35	-58	-379	-485	-237	185	39	-95	-127	-214	-91
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-102	-146	3	189	328	27	-244	-269	-211	44

MAG STATIONS

	35 .95	35 .85	35 .75	35 .65	35 .55	35 .45	35 .35	35 .25	35 .15	35 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	21	22	21	22	22	22	22	19	18	21
45.55	18	19	18	19	18	19	18	19	19	18
45.45	0	0	0	0	0	0	0	0	0	0
45.35	20	20	19	20	20	20	19	20	20	20
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	27	27	26	27	28	27	27	27	28	28

GRID MEAN OF MAG(MA)

	35 .95	35 .85	35 .75	35 .65	35 .55	35 .45	35 .35	35 .25	35 .15	35 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	-66	-66	-85	96	168	82	67	16	337	526
45.55	10	3	157	-65	-154	83	165	-27	-162	-135
45.45	0	0	0	0	0	0	0	0	0	0
45.35	9	-32	-5	-104	44	149	-39	-288	-175	27
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-23	43	-144	28	31	-67	-77	46	45	-52

MAG STATIONS

	36 .95	36 .85	35 .75	36 .65	36 .55	35 .45	36 .35	36 .25	35 .15	36 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	5	21	22	22
45.55	20	19	18	19	18	19	17	19	18	19
45.45	0	0	0	0	0	0	0	0	0	0
45.35	17	19	18	18	17	19	18	19	17	20
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	27	27	27	27	27	27	28	27	27	27

GRID MEAN OF MAG(MA)

	36 .95	36 .85	35 .75	36 .65	36 .55	35 .45	36 .35	36 .25	35 .15	36 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	0	0	0	0	0	0	51	1	-10	-32
45.55	-133	-45	-47	-48	-65	-79	-107	-170	-155	-105
45.45	0	0	0	0	0	0	0	0	0	0
45.35	-64	-15	-135	-162	-111	-86	-131	-170	-124	-115
45.25	0	0	0	0	0	0	0	0	0	0
45.15	0	0	0	0	0	0	0	0	0	0
45.05	-19	-95	-184	-162	-134	-124	-186	-214	-241	-50

MAG STATIONS

	38 .95	38 .85	38 .75	38 .65	38 .55	38 .45	38 .35	38 .25	38 .15	38 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	18	18	18	18	18	17	17	17	18	20
45.55	0	0	0	15	20	19	20	19	20	19
45.45	17	18	20	4	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	8	20	20	20	19	19
45.15	45	46	46	46	39	27	26	27	27	27
45.05	0	0	0	0	0	0	0	0	0	0

GRID MEAN OF MAG(MA)

	38 .95	38 .85	38 .75	38 .65	38 .55	38 .45	38 .35	38 .25	38 .15	38 .05
45.95	0	0	0	0	0	0	0	0	0	0
45.85	0	0	0	0	0	0	0	0	0	0
45.75	0	0	0	0	0	0	0	0	0	0
45.65	-19	16	-14	-105	-155	17	108	52	-85	77
45.55	0	0	0	25	66	30	-20	89	-110	-84
45.45	1	-272	-224	-57	0	0	0	0	0	0
45.35	0	0	0	0	0	0	0	0	0	0
45.25	0	0	0	0	-27	1	5	-128	-239	-109
45.15	-73	-85	-13	72	-10	-6	55	-39	-243	-63
45.05	0	0	0	0	0	0	0	0	0	0

