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GEOLOGICAL SURVEY

PRINCIPAL FACTS FOR GRAVITY PROFILES  
NEAR SOUTH PENOBSCOT, MAINE

By

Robert W. Simpson and Paul LaPierre

Open-File Report 79-767

1979

## PRINCIPAL FACTS FOR GRAVITY PROFILES

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Explanation of the headings of the accompanying table of principal facts:

STATION IDENTIFICATION	The numbers in the second column give the distance in feet of a station along a profile.
LATITUDE	North latitude in degrees, minutes, and hundredths of minutes.
LONGITUDE	West longitude in degrees, minutes, and hundredths of minutes.
ELE	Elevation in feet (to convert to meters, multiply by 0.3048). Elevations were surveyed from benchmarks, and accuracy is estimated to be better than $\pm 0.5$ ft.
OBSERVED GRAVITY	Relative to a value of 980606.3 milligals at University of Maine gravity base station WU-12, Orono, Maine (Behrendt and Woollard, 1961). Also, 13.7 milligals was subtracted from the observed gravity value to adjust to the International Gravity Standardization Net of 1971 (Morelli, 1974). Relative precision of values is estimated to be better than $\pm 0.2$ milligals.

THEORETICAL GRAVITY	Calculated using the Geodetic Reference System 1967 (International Association of Geodesy, 1971).
TERRAIN CORRECTION	Terrain corrections have been calculated from 0.895 km to 166.7 km from a station using a modification of the terrain correction program of Plouff (1977). No corrections have been applied for the zones closer than 0.895 km, but errors resulting from this omission are estimated to be less than 0.1 mgal.
BOUGUER CORRECTION	Simple Bouguer slab correction using a density of 2.67 g per cm <sup>3</sup> .
CURVATURE CORRECTION	Adjustment to Bouguer slab for curvature of earth (Lambert, 1930).
SPECIAL CORRECTION	Not used.
FREE AIR ANOMALY	Free air anomaly in milligals.
BOUGUER ANOMALY	Bouguer anomaly in milligals calculated using densities of 2.67 g per cm <sup>3</sup> and 2.76 g per cm <sup>3</sup> .

#### REFERENCES

- Behrendt, J. C., and Woollard, G. P., 1961, An evaluation of the gravity control network in North America: Geophysics, v. 26, no. 1, p. 57-76.
- International Association of Geodesy, 1971, Geodetic reference system 1967: International Association of Geodesy Special Publication no. 3, 116 p.
- Lambert, W. D., 1930, The reduction of observed values of gravity to sea level: Bulletin geodesique, no. 26, Avril-mai-juin, p. 107-181.
- Morelli, C., (ed.), 1974, The international gravity standardization net 1971: International Association of Geodesy Special Publication no. 4, 194 p.

Plouff, D., 1977, Preliminary documentation for a FORTRAN program to compute gravity terrain corrections based on topography digitized on a geographic grid: U.S. Geological Survey Open-File Report 77-534, 45 p.

MULLIGER GRAVITY DATA

MULLIGER GRAVITY: REDUCED BY USGS DEC. 10, 1971 FORMULA

Meter ID: Warden-40 Date: 03/20/19

STATION		LATITUDE		LONGITUDE		ELEVATION		GRAVITY		CORRECTION		ANOMALIES				
station	dist	dec	min	sec	min	sec	ft	unadjusted	adjusted	free	complete	anomalies				
K64	-163	54.73	44	23.09	-60	38.11	123.3	NE	980564.58	-0.01	-4.20	-0.05	0.00	-6.59	-10.06	-10.78
K65	-162	48.01	44	23.02	-60	38.20	112.9	NE	980564.48	-0.01	-3.65	-0.05	0.00	-7.05	-10.96	-11.07
K66	-161	43.16	44	23.15	-60	38.34	152.8	NE	980564.57	0.00	-5.21	-0.07	0.00	-5.99	-11.27	-11.43
K67	-160	36.01	44	23.05	-60	38.42	208.9	NE	980564.02	0.05	-7.13	-0.09	0.00	-4.55	-11.72	-11.93
K68	-159	31.23	44	23.58	-60	38.40	235.5	NE	980564.12	0.09	-6.03	-0.10	0.00	-3.96	-12.00	-12.24
K69	-158	24.09	44	23.49	-60	38.51	260.8	NE	980563.98	0.14	-6.89	-0.11	0.00	-3.54	-12.21	-12.48
K70	-157	19.75	44	23.40	-60	38.50	263.0	NE	980563.04	0.15	-6.97	-0.12	0.00	-3.54	-12.27	-12.54
K71	-156	13.09	44	23.52	-60	38.61	259.4	NE	980563.12	0.14	-6.85	-0.11	0.00	-3.48	-12.50	-12.57
K72	-155	9.09	44	23.27	-60	38.64	255.0	NE	980563.05	0.13	-6.70	-0.11	0.00	-3.57	-12.24	-12.56
K73	-154	6.13	44	23.21	-60	38.67	247.5	NE	980563.55	0.12	-6.44	-0.11	0.00	-3.75	-12.18	-12.44
K74	-153	2.03	44	23.14	-60	38.73	240.6	NE	980563.48	0.12	-6.42	-0.11	0.00	-3.80	-12.21	-12.46
A	-152	0	44	23.12	-60	38.75	242.0	NE	980563.42	0.11	-6.28	-0.11	0.00	-4.02	-12.50	-12.55
B	-151	0	44	23.12	-60	38.75	243.0	NE	980563.42	0.11	-6.29	-0.11	0.00	-4.10	-12.58	-12.63
C	-150	4.04	44	23.04	-60	38.81	232.9	NE	980563.01	0.10	-7.94	-0.10	0.00	-4.34	-12.53	-12.57
D	-149	7.40	44	22.50	-60	38.84	225.7	NE	980563.23	0.08	-7.63	-0.10	0.00	-4.70	-12.42	-12.65
E	-148	10.7	44	22.53	-60	38.87	214.2	NE	980563.13	0.07	-7.51	-0.09	0.00	-5.07	-12.40	-12.62
F	-147	13.78	44	22.42	-60	38.94	192.7	NE	980563.12	0.05	-6.57	-0.08	0.00	-5.92	-12.53	-12.73
G	-146	17.47	44	22.50	-60	39.02	160.5	NE	980563.09	0.02	-5.47	-0.07	0.00	-7.02	-12.54	-12.71
H	-145	22.0	44	22.0	-60	39.14	131.2	NE	980563.06	0.00	-4.47	-0.06	0.00	-7.80	-12.41	-12.55
I	-144	27.14	44	22.06	-60	39.23	105.5	NE	980563.03	-0.01	-3.59	-0.05	0.00	-8.88	-12.53	-12.64
J	-143	31.49	44	22.04	-60	39.33	104.5	NE	980563.00	-0.02	-3.57	-0.05	0.00	-9.04	-12.72	-12.83
K	-142	38.23	44	22.03	-60	39.40	122.7	NE	980562.98	-0.01	-4.18	-0.05	0.00	-8.44	-12.09	-12.81
L	-141	42.0	44	22.03	-60	39.57	119.9	NE	980562.98	-0.01	-4.09	-0.05	0.00	-8.40	-12.02	-12.74
M	-140	48.14	44	22.03	-60	39.62	125.6	NE	980562.97	0.00	-4.24	-0.06	0.00	-8.21	-12.54	-12.67
N	-139	48.9	44	22.03	-60	39.67	127.0	NE	980562.98	-0.01	-4.33	-0.06	0.00	-7.90	-12.56	-12.49
O	-138	50.02	44	22.07	-60	39.69	132.5	NE	980563.05	0.00	-4.51	-0.06	0.00	-7.71	-12.20	-12.42
P	-137	54.56	44	22.53	-60	39.77	107.0	NE	980563.13	-0.01	-3.72	-0.05	0.00	-8.26	-12.04	-12.15
Q	-136	57.51	44	22.57	-60	39.81	105.7	NE	980563.20	-0.02	-3.61	-0.05	0.00	-8.10	-11.78	-11.89
R	-135	60.50	44	23.07	-60	39.81	105.4	NE	980563.20	-0.02	-3.60	-0.05	0.00	-8.21	-11.67	-11.88
S	-134	63.43	44	23.07	-60	39.81	107.5	NE	980563.27	-0.02	-3.66	-0.05	0.00	-8.04	-11.77	-11.88
T	-133	66.38	44	23.07	-60	39.81	110.0	NE	980563.54	-0.01	-4.05	-0.05	0.00	-7.60	-11.79	-11.91
U	-132	69.35	44	23.07	-60	39.81	110.6	NE	980563.54	-0.01	-4.05	-0.05	0.00	-7.58	-11.09	-11.61
V	-131	72.31	44	23.18	-60	39.82	103.5	NE	980563.42	-0.02	-3.53	-0.05	0.00	-7.99	-11.58	-11.69
W	-130	75.26	44	23.18	-60	39.84	113.1	NE	980563.51	-0.01	-3.56	-0.05	0.00	-7.58	-11.50	-11.62
X	-129	78.23	44	23.24	-60	39.80	90.1	NE	980563.60	-0.02	-3.07	-0.04	0.00	-8.50	-11.51	-11.60
Y	-128	81.18	44	23.24	-60	39.94	73.2	NE	980563.06	-0.03	-2.50	-0.03	0.00	-8.74	-11.55	-11.42
Z	-127	84.15	44	23.52	-60	40.00	59.5	NE	980563.12	-0.03	-2.02	-0.03	0.00	-9.23	-11.51	-11.57
AA	-126	87.12	44	23.55	-60	40.00	59.2	NE	980563.17	-0.03	-2.04	-0.03	0.00	-9.31	-11.47	-11.47
AB	-125	90.09	44	23.55	-60	40.00	57.4	NE	980563.17	-0.03	-1.95	-0.03	0.00	-9.10	-11.16	-11.22
AC	-124	93.06	44	23.55	-60	40.00	57.4	NE	980563.17	-0.03	-1.96	-0.03	0.00	-9.20	-11.27	-11.33

## RANGUER GRAVITY DATA

NEMENGLAND GRAVITY: REDUCED AT USGS DEC. 10, 1971 FORMULA

Meter 10: horizon=90 Date: 03/20/70

STATION		LATITUDE		LONGITUDE		ELEVATION		GRAVITY		CORRECTIONS		FREE AIR		ANOMALIES	
station	dist	deg	min	sec	deg	min	sec	observed	theoretical	terrain	curvature	special	air	normal	total
21	-38	0812	44	23.58	-68	40.13	55.5	MF	980564.71	-0.04	-1.89	-0.02	-8.82	-10.78	-10.84
22	-28	0812	44	23.58	-68	40.13	56.0	MF	980564.85	-0.04	-1.91	-0.02	-8.89	-10.87	-10.93
23	-41	0812	44	23.58	-68	40.19	56.1	MF	980565.135	-0.04	-1.23	-0.02	-9.15	-10.43	-10.47
24	-42	1005	44	23.50	-68	40.20	56.2	MF	980565.05	-0.04	-0.99	-0.01	-9.16	-10.20	-10.23
25	-43	1005	44	23.50	-68	40.34	56.3	MF	980565.05	-0.04	-1.65	-0.02	-8.41	-10.11	-10.17
26	-44	1005	44	23.53	-68	40.41	56.4	MF	980564.04	-0.04	-1.72	-0.02	-8.20	-9.98	-10.03
27	-45	1102	44	23.57	-68	40.46	56.5	MF	980564.10	-0.04	-2.02	-0.03	-7.74	-9.62	-9.69
28	-46	1102	44	23.61	-68	40.55	56.6	MF	980564.16	-0.04	-2.03	-0.03	-7.84	-9.93	-9.99
29	-47	1102	44	23.61	-68	40.55	56.7	MF	980564.16	-0.04	-2.04	-0.03	-7.50	-9.61	-9.67
30	-48	1102	44	23.61	-68	40.55	56.8	MF	980564.16	-0.04	-2.05	-0.03	-7.51	-9.63	-9.69
31	-49	1102	44	23.61	-68	40.55	56.9	MF	980564.16	-0.04	-2.13	-0.03	-7.62	-9.82	-9.88
32	-50	1102	44	23.61	-68	40.55	57.0	MF	980564.16	-0.04	-1.07	-0.01	-8.76	-9.90	-9.93
33	-51	1102	44	23.61	-68	40.55	57.1	MF	980564.16	-0.04	-0.52	-0.01	-9.43	-10.02	-10.02
34	-52	1102	44	23.61	-68	40.55	57.2	MF	980564.16	-0.04	-0.34	-0.01	-9.65	-10.08	-10.10
35	-53	1102	44	23.61	-68	40.55	57.3	MF	980564.16	-0.04	-0.87	-0.01	-9.09	-10.02	-10.05
36	-54	1102	44	23.61	-68	40.55	57.4	MF	980564.16	-0.04	-1.51	-0.02	-8.74	-10.31	-10.36
37	-55	1102	44	23.61	-68	40.55	57.5	MF	980564.16	-0.04	-2.04	-0.03	-8.49	-10.59	-10.64
38	-56	1102	44	23.61	-68	40.55	57.6	MF	980564.16	-0.04	-3.07	-0.04	-7.60	-10.74	-10.84
39	-57	1102	44	23.61	-68	40.55	57.7	MF	980564.16	-0.04	-2.38	-0.03	-8.52	-10.97	-11.04
40	-58	1102	44	23.61	-68	40.55	57.8	MF	980564.16	-0.04	-1.66	-0.02	-9.47	-11.19	-11.25
41	-59	1102	44	23.61	-68	40.55	57.9	MF	980564.16	-0.04	-1.86	-0.02	-9.71	-11.63	-11.69
42	-60	1102	44	23.61	-68	40.55	58.0	MF	980564.16	-0.04	-1.87	-0.02	-9.80	-11.73	-11.79
43	-61	1102	44	23.61	-68	40.55	58.1	MF	980564.16	-0.04	-1.07	-0.02	-10.20	-12.13	-12.18
44	-62	1102	44	23.61	-68	40.55	58.2	MF	980564.16	-0.04	-1.88	-0.02	-10.20	-12.14	-12.20
45	-63	1102	44	23.61	-68	40.55	58.3	MF	980564.16	-0.04	-2.96	-0.04	-9.20	-12.23	-12.32
46	-64	1102	44	23.61	-68	40.55	58.4	MF	980564.16	-0.04	-2.97	-0.04	-9.29	-12.33	-12.42
47	-65	1102	44	23.61	-68	40.55	58.5	MF	980564.16	-0.04	-3.25	-0.04	-8.94	-12.26	-12.36
48	-66	1102	44	23.61	-68	40.55	58.6	MF	980564.16	-0.04	-3.48	-0.05	-9.02	-12.57	-12.68
49	-67	1102	44	23.61	-68	40.55	58.7	MF	980564.16	-0.04	-3.53	-0.05	-9.16	-12.76	-12.87
50	-68	1102	44	23.61	-68	40.55	58.8	MF	980564.16	-0.04	-3.09	-0.04	-9.69	-12.84	-12.94
51	-69	1102	44	23.61	-68	40.55	58.9	MF	980564.16	-0.04	-3.13	-0.04	-10.16	-13.36	-13.46
52	-70	1102	44	23.61	-68	40.55	59.0	MF	980564.16	-0.04	-2.94	-0.04	-10.68	-13.70	-13.79
53	-71	1102	44	23.61	-68	40.55	59.1	MF	980564.16	-0.04	-3.34	-0.04	-10.72	-14.16	-14.27
54	-72	1102	44	23.61	-68	40.55	59.2	MF	980564.16	-0.04	-3.41	-0.04	-11.07	-14.54	-14.65
55	-73	1102	44	23.61	-68	40.55	59.3	MF	980564.16	-0.04	-4.13	-0.05	-11.05	-15.25	-15.37
56	-74	1102	44	23.61	-68	40.55	59.4	MF	980564.16	-0.04	-4.11	-0.05	-11.56	-15.73	-15.85
57	-75	1102	44	23.61	-68	40.55	59.5	MF	980564.16	-0.04	-4.65	-0.06	-11.54	-16.44	-16.59
58	-76	1102	44	23.61	-68	40.55	59.6	MF	980564.16	-0.04	-5.05	-0.07	-11.73	-16.82	-16.98
59	-77	1102	44	23.61	-68	40.55	59.7	MF	980564.16	-0.04	-5.67	-0.07	-11.46	-17.17	-17.34
60	-78	1102	44	23.61	-68	40.55	59.8	MF	980564.16	-0.04	-5.68	-0.07	-11.69	-17.40	-17.57

Meter ID: WOVEN-40 Date: 03/20/79

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## ROUGHER GRAVITY DATA

MEMORANDUM GRAVITY: REDUCED BY USGS DEC. 10, 1971 FURPHILA

water 10: noon-40 Date: 03/20/79

STATION		L U C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
sta-14	dist	lat	long	alt	unc	free	special	air	complete
deg	min	deg	min	ft					d1=d.07 d2=7.75
213	-210	11349	44 27.46	-68 42.62	53.5 NE	980570.72	-0.05	-1.03	-15.60
215	-211	1109	44 26.13	-68 42.51	60.0 NE	980570.98	-0.04	-2.27	-15.59
217	-212	2001	44 26.17	-68 42.33	91.5 NE	980571.04	-0.04	-2.78	-15.52
219	-213	2918	44 26.28	-68 42.18	43.7 NE	980571.20	-0.04	-2.85	-15.44
221	-214	3898	44 26.39	-68 42.01	110.2 NE	980571.37	-0.03	-3.76	-15.03
227	-215	405	44 26.44	-68 41.90	171.5 NE	980571.45	-0.02	-4.35	-14.71
229	-216	1509	44 26.55	-68 41.73	163.5 NE	980571.61	0.00	-5.57	-14.69
230	-401	2022	44 26.59	-68 41.64	171.1 NE	980571.67	0.01	-3.03	-14.62
231	-402	2518	44 26.04	-68 41.53	177.0 NE	980571.74	0.01	-6.06	-14.58
232	-403	2990	44 26.71	-68 41.41	183.0 NE	980571.65	0.02	-6.24	-14.29
233	-404	3535	44 26.78	-68 41.43	173.5 NE	980571.95	0.00	-5.92	-13.85
239	-405	4120	44 26.37	-68 41.39	170.0 NE	980572.09	0.00	-6.00	-13.21
235	-384	323	44 26.91	-68 41.35	164.0 NE	980572.16	-0.01	-3.45	-13.22
236	-395	708	44 26.77	-68 41.32	157.1 NE	980572.24	-0.01	-5.36	-13.08
237	-380	1142	44 24.04	-68 41.33	155.0 NE	980572.35	-0.01	-5.29	-12.72
238	-381	1530	44 24.11	-68 41.34	154.5 NE	980572.45	-0.01	-5.20	-12.55
239	-380	1966	44 24.18	-68 41.37	165.5 NE	980572.56	-0.01	-5.05	-12.46
240	-389	2366	44 24.24	-68 41.33	169.1 NE	980572.65	0.00	-3.77	-12.13
241	-390	2847	44 24.29	-68 41.24	171.1 NE	980572.73	0.00	-6.51	-12.76
242	-405	3305	44 24.32	-68 41.18	175.0 NE	980572.77	0.01	-6.34	-13.00
243	-400	3875	44 24.38	-68 41.08	210.5 NE	980572.86	0.04	-7.79	-13.23
244	-401	4325	44 24.45	-68 41.02	231.0 NE	980572.97	0.04	-7.90	-13.16
245	-408	4778	44 24.52	-68 40.96	274.1 NE	980573.07	0.03	-7.65	-13.29
246	-409	5303	44 24.01	-68 40.97	286.1 NE	980573.21	0.05	-6.19	-13.53
247	-410	5844	44 24.70	-68 40.94	284.0 NE	980573.34	0.07	-9.01	-13.49
248	-411	6809	44 24.79	-68 40.92	280.5 NE	980573.48	0.09	-9.57	-13.28
249	-412	6865	44 24.86	-68 40.92	286.1 NE	980573.59	0.08	-9.55	-13.06
250	-413	7337	44 24.94	-68 40.92	294.5 NE	980573.73	0.08	-9.44	-13.49
251	-420	7797	44 30.01	-68 40.80	282.9 NE	980573.81	0.05	-8.63	-13.47
252	-414	8292	44 30.08	-68 40.83	284.9 NE	980573.91	0.06	-9.03	-13.75
253	-415	8758	44 30.15	-68 40.79	280.5 NE	980574.02	0.05	-8.68	-14.13
254	-416	9262	44 30.22	-68 40.73	285.1 NE	980574.13	0.04	-8.72	-14.55
255	-418	9717	44 30.29	-68 40.69	294.5 NE	980574.23	0.03	-8.34	-14.55
256	-417	10177	44 30.34	-68 40.63	283.5 NE	980574.34	0.03	-8.50	-14.76
257	-422	10717	44 30.44	-68 40.60	284.9 NE	980574.46	0.04	-8.69	-15.53
258	-423	11103	44 30.49	-68 40.56	270.5 NE	980574.54	0.05	-9.22	-15.43
259	-424	11570	44 30.56	-68 40.51	271.0 NE	980574.64	0.07	-9.95	-16.32
260	-425	12026	44 30.63	-68 40.44	279.0 NE	980574.75	0.07	-9.88	-16.97
262	-427	12805	44 30.76	-68 40.36	280.5 NE	980574.95	0.10	-10.00	-17.23
263	-426	13308	44 30.82	-68 40.33	283.9 NE	980575.03	0.12	-11.59	-17.40



[illegible]

## RELIGIOUS GRAVITY DATA

NEW ENGLAND GRAVITY: PRODUCED BY USGS DEC. 10, 1971 FURHILLA

Meter IL: Worgen-yn Date: 03/20/19

STATION		LATITUDE		C A T I O N S		G R A V I T Y		C O R R E C T I O N S		F R E E		A N G M A L I E S				
sta-id	IDENTIFICATION	deg	min	deg	min	ELE	ST	UNCORRECTED	THEORETICAL	IFRAIN	BOUGUER	CURV	SPECIAL	AIR	COMPLTF	BOUGUER
(in ft)																
C6	-3P2	1842	44	21.47	-68	43.12	184.7	ME	980555.54	980570.73	-0.05	-0.64	-0.01	0.00	-13.44	-14.13
C7	-3R3	2210	44	27.49	-68	43.20	10.9	ME	980556.31	980570.77	-0.03	-0.37	-0.00	0.00	-13.43	-13.66
JP1	-102	437	44	25.42	-68	42.75	53.1	ME	980545.34	980560.98	-0.03	-1.81	-0.02	0.00	-16.64	-18.51
JP2	-103	684	44	25.41	-68	42.70	43.9	ME	980545.89	980560.88	-0.03	-1.57	-0.02	0.00	-16.67	-18.33
JP3	-104	1416	44	27.34	-68	42.82	41.4	ME	980546.50	980560.77	-0.04	-1.41	-0.02	0.00	-16.57	-18.09
JP4	-105	1857	44	25.48	-68	42.80	29.6	ME	980547.15	980560.88	-0.04	-1.01	-0.01	0.00	-16.74	-17.84
JP5	-106	2602	44	25.17	-68	42.93	30.0	ME	980547.25	980560.80	-0.04	-1.02	-0.01	0.00	-16.53	-17.64
JP6	-107	2612	44	25.23	-68	42.99	34.2	ME	980547.28	980560.52	-0.04	-1.17	-0.02	0.00	-16.02	-17.24
JP7	-108	5888	44	25.11	-68	43.03	50.9	ME	980546.61	980560.42	-0.05	-1.73	-0.02	0.00	-15.03	-16.88
JP8	-109	5529	44	25.07	-68	43.08	54.1	ME	980546.80	980560.36	-0.05	-1.85	-0.02	0.00	-14.47	-16.45
JP9	-110	3959	44	25.01	-68	43.13	31.9	ME	980548.17	980560.27	-0.05	-1.29	-0.02	0.00	-14.53	-15.93
JP10	-111	4310	44	24.97	-68	43.21	40.2	ME	980549.49	980560.21	-0.05	-1.37	-0.02	0.00	-13.93	-15.37
JP11	-219	4601	44	24.96	-68	43.21	63.8	ME	980547.55	980560.20	-0.05	-2.23	-0.03	0.00	-12.48	-14.87
JP12	-220	5157	44	24.91	-68	43.30	60.4	ME	980548.12	980560.12	-0.05	-2.33	-0.03	0.00	-11.57	-14.05
JP12	-112	5157	44	24.91	-68	43.30	60.4	ME	980548.19	980560.12	-0.05	-2.33	-0.03	0.00	-11.50	-13.98
JP13	-113	5553	44	24.87	-68	43.43	62.4	ME	980549.10	980560.06	-0.05	-2.13	-0.03	0.00	-11.09	-13.36
JP15	-114	5876	44	24.86	-68	43.50	70.9	ME	980549.46	980560.05	-0.05	-2.42	-0.03	0.00	-9.94	-12.49
JP15	-221	5876	44	24.86	-68	43.50	70.9	ME	980549.44	980560.05	-0.05	-2.42	-0.03	0.00	-9.94	-12.52
JP16	-222	6229	44	24.86	-68	43.50	62.3	ME	980550.52	980560.05	-0.05	-2.13	-0.03	0.00	-9.60	-11.93
JP17	-223	6495	44	24.86	-68	43.62	64.1	ME	980550.74	980560.05	-0.05	-2.19	-0.03	0.00	-9.20	-11.54
103	-118	3421	44	24.14	-68	41.70	87.9	ME	980547.69	980564.96	-0.03	-3.00	-0.04	0.00	-9.01	-12.07
104	-119	3067	44	24.09	-68	41.71	73.9	ME	980548.71	980564.88	-0.04	-2.52	-0.03	0.00	-8.22	-11.82
105	-120	2641	44	24.09	-68	41.81	98.0	ME	980549.51	980564.78	-0.04	-2.41	-0.03	0.00	-8.61	-11.57
106	-121	2241	44	23.97	-68	41.85	73.8	ME	980549.02	980564.70	-0.04	-2.52	-0.03	0.00	-8.74	-11.53
107	-122	1791	44	23.91	-68	41.89	70.2	ME	980548.80	980564.61	-0.04	-2.60	-0.03	0.00	-8.50	-11.34
108	-123	1342	44	23.87	-68	41.97	68.4	ME	980549.49	980564.55	-0.04	-2.26	-0.03	0.00	-8.81	-11.22
109	-124	955	44	23.84	-68	42.05	35.1	ME	980551.14	980564.51	-0.05	-1.20	-0.02	0.00	-10.00	-11.36
110	-125	674	44	23.85	-68	42.12	31.1	ME	980551.47	980564.49	-0.05	-1.06	-0.01	0.00	-10.04	-11.22
111	-126	248	44	23.85	-68	42.21	17.4	ME	980552.11	980564.52	-0.05	-0.59	-0.01	0.00	-10.78	-11.43
111.5	-127	0	44	23.87	-68	42.27	15.5	ME	980552.13	980564.55	-0.05	-0.53	-0.01	0.00	-10.97	-11.57
111	-130	551	44	24.53	-68	41.83	101.3	ME	980545.07	980565.55	-0.02	-3.45	-0.04	0.00	-10.95	-14.47
112	-131	1753	44	24.58	-68	41.64	151.9	ME	980547.157	980565.83	0.02	-3.16	-0.07	0.00	-9.76	-14.99
113	-132	2171	44	24.62	-68	41.47	165.4	ME	980548.50	980565.68	0.04	-3.04	-0.07	0.00	-9.50	-15.24
114	-133	3116	44	24.69	-68	41.20	152.4	ME	980548.101	980565.79	0.02	-3.27	-0.07	0.00	-10.45	-15.89
115	-134	4306	44	24.77	-68	41.04	139.9	ME	980548.159	980565.91	0.00	-3.40	-0.06	0.00	-11.16	-16.14
116	-135	5151	44	24.84	-68	40.80	120.8	ME	980549.270	980566.02	-0.01	-4.33	-0.06	0.00	-11.63	-16.15
117	-136	6046	44	24.87	-68	40.67	83.5	ME	980549.406	980566.06	-0.03	-2.92	-0.04	0.00	-12.53	-15.81
118	-137	7248	44	24.81	-68	40.41	39.3	ME	980549.17	980565.77	-0.03	-1.36	-0.02	0.00	-13.04	-14.48
119	-138	8445	44	24.75	-68	40.10	63.5	ME	980549.170	980565.88	-0.03	-2.17	-0.03	0.00	-13.20	-12.43
120	-139	9402	44	24.92	-68	39.92	55.5	ME	980551.06	980565.84	-0.03	-1.89	-0.02	0.00	-9.95	-11.50
121	-140	1045	44	24.91	-68	39.74	47.5	ME	980551.06	980565.84	-0.03	-1.89	-0.02	0.00	-9.95	-11.50

# HULLER GRAVITY DATA

MEMPHIS AND WPAVITY: REDUCED BY USGS DEC. 10, 1971 FORMULA

Water ID: W0000000 Date: 03/20/79

STATION		LATITUDE		LONGITUDE		ALTITUDE		STATION		GRAVITY		CORRECTIONS		FREE AIR		ANOMALIES	
Sta-ID	dist	deg	min	sec	deg	min	sec	ft	ft	UNRESERVED	THEORETICAL	ERRAIN	BOUGUER	CORR	FREE AIR	ANOMALIES	
K20	-354	44	24.72	-68	39.81	50.5	ME	980551.70	980565.84	-0.03	-1.12	-0.02	0.00	-9.53	-11.10	-11.16	
K21	-141	10109	44	24.72	-68	39.81	62.7	ME	980551.45	980565.84	-0.03	-2.14	-0.03	0.00	-8.48	-10.08	-10.75
K21	-353	10109	44	24.72	-68	39.67	62.7	ME	980551.60	980565.84	-0.03	-2.14	-0.03	0.00	-8.34	-10.53	-10.60
K22	-352	11016	44	24.72	-68	39.51	70.2	ME	980551.66	980565.84	-0.03	-2.40	-0.03	0.00	-7.56	-10.02	-10.09
K23	-142	11605	44	24.70	-68	39.44	94.9	ME	980550.31	980565.80	-0.03	-3.24	-0.04	0.00	-6.51	-9.08	-9.47
K24	-351	12003	44	24.68	-68	39.31	93.2	ME	980550.63	980565.77	-0.03	-3.18	-0.04	0.00	-6.37	-9.02	-9.72
K25	-143	12644	44	24.08	-68	39.21	120.4	ME	980548.02	980565.77	-0.02	-4.31	-0.06	0.00	-5.86	-10.38	-10.38
K26	-350	13011	44	24.08	-68	39.13	137.0	ME	980547.27	980565.77	-0.01	-4.67	-0.06	0.00	-5.62	-10.36	-10.50
K27	-145	13553	44	24.08	-68	39.00	135.1	ME	980547.04	980565.77	-0.01	-4.61	-0.06	0.00	-6.03	-10.70	-10.65
K27	-349	13553	44	24.08	-68	39.00	135.1	ME	980547.10	980565.77	-0.01	-4.61	-0.06	0.00	-5.90	-10.58	-10.72
K28	-348	14007	44	24.08	-68	38.80	124.3	ME	980547.58	980565.77	-0.02	-4.24	-0.05	0.00	-6.50	-10.82	-10.95
K29	-146	14510	44	24.06	-68	38.71	137.0	ME	980546.02	980565.77	-0.01	-4.70	-0.06	0.00	-6.74	-11.51	-11.65
K31	-147	15023	44	24.06	-68	38.50	121.2	ME	980546.92	980565.74	-0.02	-4.13	-0.05	0.00	-7.42	-11.03	-11.76
K31	-347	15023	44	24.06	-68	38.50	121.2	ME	980546.94	980565.74	-0.02	-4.13	-0.05	0.00	-7.55	-11.56	-11.69
K32	-346	15020	44	24.06	-68	38.40	105.9	ME	980547.93	980565.74	-0.02	-3.61	-0.05	0.00	-7.86	-11.53	-11.64
K33	-140	16342	44	24.05	-68	38.30	123.0	ME	980547.26	980565.73	-0.01	-4.21	-0.05	0.00	-6.85	-11.13	-11.26
K33	-345	16342	44	24.05	-68	38.30	123.0	ME	980547.32	980565.73	-0.01	-4.21	-0.05	0.00	-6.74	-11.07	-11.19
K34	-344	16065	44	24.05	-68	38.29	130.5	ME	980546.81	980565.70	-0.01	-4.66	-0.06	0.00	-6.05	-10.77	-10.91
K35	-343	16900	44	24.03	-68	38.23	157.0	ME	980545.74	980565.70	0.00	-5.55	-0.07	0.00	-5.15	-10.57	-10.73
K36	-342	17043	44	24.06	-68	38.21	140.5	ME	980544.55	980565.74	0.01	-6.16	-0.08	0.00	-4.22	-10.45	-10.63
K38	-341	17404	44	24.72	-68	38.23	140.6	ME	980543.24	980565.84	0.03	-6.77	-0.09	0.00	-3.87	-10.70	-10.90
K39	-340	17803	44	24.76	-68	38.21	221.0	ME	980541.92	980565.89	0.06	-7.57	-0.10	0.00	-3.11	-10.71	-10.94
K41	-339	18550	44	24.05	-68	38.08	257.1	ME	980540.40	980566.03	0.10	-8.79	-0.11	0.00	-1.33	-10.14	-10.40
K43	-338	19032	44	24.40	-68	38.00	256.2	ME	980540.60	980566.10	0.10	-8.81	-0.11	0.00	-1.16	-9.98	-10.24
Q2	-169	140	44	23.67	-68	42.37	11.1	ME	980552.25	980564.55	-0.05	-0.58	-0.00	0.00	-11.26	-11.09	-11.70
Q3	-170	727	44	23.63	-68	42.44	34.3	ME	980550.74	980564.49	-0.05	-1.17	-0.02	0.00	-10.53	-11.76	-11.80
Q4	-171	1267	44	23.78	-68	42.51	53.0	ME	980549.56	980564.41	-0.05	-1.84	-0.02	0.00	-9.78	-11.69	-11.74
Q5	-172	2157	44	23.70	-68	42.68	71.7	ME	980548.28	980564.30	-0.04	-2.45	-0.03	0.00	-9.27	-11.79	-11.86
Q6	-173	2672	44	23.75	-68	42.70	73.1	ME	980547.84	980564.37	-0.04	-2.49	-0.03	0.00	-9.65	-12.22	-12.30
Q7	-174	3205	44	23.78	-68	42.90	84.4	ME	980546.55	980564.41	-0.04	-2.88	-0.04	0.00	-9.93	-12.68	-12.97
Q8	-175	3755	44	23.79	-68	43.02	70.5	ME	980546.76	980564.43	-0.04	-2.81	-0.03	0.00	-10.46	-13.16	-13.24
Q9	-176	4308	44	23.81	-68	43.15	113.2	ME	980546.85	980564.46	-0.01	-3.66	-0.05	0.00	-9.17	-13.09	-13.21
Q10	-177	4605	44	23.85	-68	43.20	114.0	ME	980546.82	980564.52	-0.01	-3.69	-0.05	0.00	-9.27	-13.05	-13.05
Q11	-178	5156	44	23.89	-68	43.20	105.5	ME	980545.65	980564.54	-0.02	-3.60	-0.05	0.00	-9.01	-12.67	-12.78
Q12	-179	5604	44	23.94	-68	43.34	64.2	ME	980546.50	980564.66	-0.05	-2.19	-0.03	0.00	-10.12	-12.59	-12.46
Q13	-180	6141	44	23.97	-68	43.47	31.2	ME	980551.27	980564.70	-0.06	-1.06	-0.01	0.00	-10.50	-11.03	-11.67
Q14	-181	6506	44	24.00	-68	43.50	13.0	ME	980551.12	980564.75	-0.06	-0.44	-0.01	0.00	-10.40	-10.91	-10.93
Q14	-180	6955	44	24.02	-68	43.60	24.0	ME	980551.45	980564.78	-0.06	-0.49	-0.01	0.00	-8.54	-9.66	-9.69
Q14	-327	6955	44	24.02	-68	43.60	24.0	ME	980551.40	980564.78	-0.06	-0.49	-0.01	0.00	-8.65	-9.71	-9.74
Q15	-184	7449	44	24.06	-68	43.71	54.9	ME	980552.30	980564.84	-0.05	-2.04	-0.03	0.00	-6.85	-8.97	-9.03

ADJUSTER GRAVITY DATA

MEMPHIS GRAVITY: REDUCED BY USGS DEC. 10, 1971 FORMULA

meter 10: Worcen-90 Date: 03/20/79

STATION		LATITUDE		LONGITUDE		TIME		ST		GRAVITY		CORRECTED		SPECIAL		NORMAL	
IDENTIFICATION	dist	deg	min	deg	min	sec	min	sec	min	UNADJUSTED	THEORETICAL	IN RAIN	BOUGUER	CONV	AIR	COMPLETE	ADJUSTER
Station	dist	deg	min	deg	min	sec	min	sec	min	unadjusted	theoretical	in rain	bourgeois	conv	special	free	normal
R16 -190	8007	44	24.10	-68	43.88	83.5	ME			980551.62	980564.90	-0.04	-2.05	-0.04	0.00	-5.43	-8.44
R17 -191	8694	44	24.16	-68	44.01	70.8	ME			980552.80	980564.99	-0.05	-2.02	-0.03	0.00	-5.47	-8.04
R18 -331	9244	44	24.17	-68	44.14	40.8	ME			980554.90	980565.01	-0.06	-1.39	-0.02	0.00	-6.21	-7.08
R19 -192	9244	44	24.17	-68	44.14	40.8	ME			980554.95	980565.01	-0.06	-1.39	-0.02	0.00	-6.22	-7.08
R19A-330	9428	44	24.18	-68	44.22	42.2	ME			980555.20	980565.02	-0.06	-1.44	-0.02	0.00	-5.84	-7.41
R19 -193	10023	44	24.19	-68	44.31	40.3	ME			980555.50	980565.03	-0.06	-1.38	-0.02	0.00	-5.18	-6.89
R19 -329	10023	44	24.19	-68	44.31	40.3	ME			980555.34	980565.03	-0.06	-1.38	-0.02	0.00	-5.29	-7.00
R20 -194	10516	44	24.22	-68	44.42	36.2	ME			980556.14	980565.04	-0.06	-1.30	-0.02	0.00	-5.35	-6.77
R21 -195	11125	44	24.23	-68	44.56	41.2	ME			980555.11	980565.09	-0.06	-1.40	-0.02	0.00	-5.41	-6.94
R22 -196	11671	44	24.27	-68	44.60	43.1	ME			980555.94	980565.16	-0.06	-1.47	-0.02	0.00	-5.16	-6.76
R23 -220	12449	44	24.28	-68	44.84	70.5	ME			980556.12	980565.17	-0.06	-1.06	-0.02	0.00	-4.49	-6.23
R24 -227	13102	44	24.21	-68	44.86	41.0	ME			980557.08	980565.06	-0.06	-1.40	-0.02	0.00	-4.15	-5.65
R25 -220	13870	44	24.17	-68	45.00	99.5	ME			980557.32	980564.93	-0.02	-2.40	-0.04	0.00	-1.25	-4.71
R26 -229	14416	44	24.06	-68	45.10	104.5	ME			980554.31	980564.84	-0.02	-3.56	-0.05	0.00	-0.70	-4.33
R27 -230	15064	44	24.02	-68	45.31	112.5	ME			980553.99	980564.78	-0.01	-3.53	-0.05	0.00	-0.22	-4.11
R28 -231	15535	44	23.98	-68	45.41	98.2	ME			980554.99	980564.72	-0.02	-3.35	-0.04	0.00	-0.49	-3.90
V0 -232	15947	44	23.93	-68	45.48	102.7	ME			980554.70	980564.64	-0.02	-3.50	-0.05	0.00	-0.21	-3.77
V0 -326	0	44	23.72	-68	42.71	75.1	ME			980548.05	980564.33	-0.04	-2.56	-0.03	0.00	-9.21	-11.93
V1 -233	416	44	23.67	-68	42.70	82.4	ME			980547.45	980564.25	-0.04	-2.81	-0.04	0.00	-9.05	-11.93
V2 -234	702	44	23.62	-68	42.70	82.5	ME			980547.38	980564.17	-0.04	-2.82	-0.04	0.00	-9.03	-11.92
V3 -235	1245	44	23.56	-68	42.82	95.0	ME			980546.89	980564.09	-0.03	-3.24	-0.04	0.00	-8.20	-11.57
V4 -236	1603	44	23.50	-68	42.95	90.1	ME			980547.36	980563.99	-0.03	-3.97	-0.04	0.00	-8.16	-11.31
V5 -237	2004	44	23.41	-68	42.90	93.2	ME			980547.73	980563.91	-0.03	-3.18	-0.04	0.00	-7.41	-10.66
V6 -238	2400	44	23.37	-68	42.95	102.6	ME			980547.40	980563.80	-0.03	-3.51	-0.05	0.00	-6.73	-10.31
V7 -239	2831	44	23.32	-68	42.97	115.7	ME			980546.87	980563.72	-0.01	-3.95	-0.05	0.00	-5.97	-9.98
V8 -240	3135	44	23.28	-68	43.01	123.9	ME			980546.43	980563.66	-0.01	-4.23	-0.05	0.00	-5.58	-9.87
V9 -241	3500	44	23.24	-68	43.02	131.3	ME			980546.04	980563.60	0.00	-4.48	-0.06	0.00	-5.21	-9.75
V10 -242	3806	44	23.19	-68	43.12	139.0	ME			980546.75	980563.52	-0.01	-4.06	-0.05	0.00	-5.59	-9.71
V11 -243	4308	44	23.16	-68	43.20	120.5	ME			980546.35	980563.48	-0.01	-4.11	-0.05	0.00	-5.80	-9.97
P3 -248	808	44	27.07	-68	42.09	57.5	ME			980546.89	980564.38	-0.04	-1.96	-0.03	0.00	-15.09	-17.10
P4 -249	1474	44	27.05	-68	41.95	61.4	ME			980546.36	980564.34	-0.04	-2.09	-0.03	0.00	-15.21	-17.38
P5 -250	1931	44	27.02	-68	41.84	71.3	ME			980546.84	980564.30	-0.04	-2.93	-0.04	0.00	-15.76	-18.26
P6 -251	2333	44	27.00	-68	41.77	87.5	ME			980545.59	980564.27	-0.03	-2.98	-0.04	0.00	-15.46	-18.21
P7 -252	2778	44	26.90	-68	41.66	96.9	ME			980544.86	980564.26	-0.03	-3.50	-0.04	0.00	-15.29	-18.06
P8 -253	3322	44	27.00	-68	41.54	110.0	ME			980543.82	980564.27	-0.02	-3.96	-0.05	0.00	-14.54	-18.57
P9 -254	3829	44	27.02	-68	41.42	118.4	ME			980543.72	980564.30	-0.02	-4.04	-0.05	0.00	-14.45	-18.56
P10 -255	4340	44	27.04	-68	41.32	122.5	ME			980544.70	980564.34	-0.03	-3.49	-0.05	0.00	-15.01	-18.57
P11 -256	4805	44	27.06	-68	41.19	74.8	ME			980546.40	980564.36	-0.03	-2.55	-0.03	0.00	-15.80	-18.48
P12 -257	5375	44	27.06	-68	41.08	69.6	ME			980546.70	980564.36	-0.03	-2.57	-0.03	0.00	-16.12	-18.55
P13 -258	5831	44	27.09	-68	40.97	70.5	ME			980546.84	980564.41	-0.03	-2.40	-0.03	0.00	-15.94	-18.40

HULLUER GRAVITY DATA

NEWENGLAND GRAVITY: REDUCED BY USGS DEC. 10, 1971 FORMULA

Water Top: Wenden-yo Date: 03/20/79

STATION IDENTIFICATION	L U C A T I O N	ST	C P A V I T Y	C O N P R E C T I O N S	A N N M A L J E S								
Sta-id	LATITUDE	LONGITUDE	UNOBTAINED THEORETICAL	ERRAIN BOUGUER CORV	FRLE COMPLETE-HULLUER								
dist	deg min	deg min	(in ft)		dl=2.07 d2=2.75								
P14 -259	0513	44 21.07	-60 40.83	71.8 ME	980546.90	980569.38	-0.03	-2.05	-0.03	0.00	-15.73	-18.24	-18.31
P15 -260	7007	44 21.01	-60 40.71	60.0 ME	980547.17	980569.29	-0.03	-2.27	-0.03	0.00	-15.85	-18.18	-18.25
P16 -261	7408	44 20.96	-60 40.64	61.0 ME	980547.40	980569.21	-0.03	-2.11	-0.03	0.00	-15.93	-18.10	-18.17
P17 -262	7908	44 20.97	-60 40.52	60.9 ME	980547.41	980569.23	-0.03	-2.28	-0.03	0.00	-15.92	-17.86	-17.93
P18 -263	8317	44 20.97	-60 40.44	70.4 ME	980547.04	980569.23	-0.03	-2.61	-0.03	0.00	-15.00	-17.07	-17.75
P19 -264	0600	44 20.98	-60 40.30	85.2 ME	980546.99	980569.24	-0.03	-2.91	-0.04	0.00	-14.23	-17.21	-17.30
P20 -265	9011	44 20.98	-60 40.28	93.0 ME	980546.83	980569.24	-0.02	-3.20	-0.04	0.00	-13.59	-16.85	-16.95
P21 -266	9591	44 21.00	-60 40.10	80.5 ME	980547.90	980569.27	-0.02	-2.75	-0.04	0.00	-13.74	-16.54	-16.62
P22 -267	10056	44 21.01	-60 40.05	70.3 ME	980548.23	980569.29	-0.02	-2.60	-0.03	0.00	-13.87	-16.53	-16.61
P23 -268	10600	44 21.03	-60 39.92	75.0 ME	980548.20	980569.32	-0.01	-2.59	-0.03	0.00	-13.90	-16.61	-16.69
P24 -269	11115	44 21.06	-60 39.83	79.0 ME	980547.74	980569.36	-0.01	-2.72	-0.04	0.00	-14.11	-16.98	-16.96
P25 -270	11638	44 21.08	-60 39.71	80.2 ME	980547.50	980569.39	0.00	-2.94	-0.04	0.00	-13.71	-16.09	-16.78
P26 -271	12134	44 21.09	-60 39.59	81.4 ME	980547.83	980569.41	0.00	-3.01	-0.04	0.00	-13.27	-16.32	-16.41
P27 -272	12637	44 21.08	-60 39.40	81.5 ME	980548.49	980569.39	0.01	-2.78	-0.04	0.00	-13.24	-16.04	-16.13
P28 -273	13132	44 21.05	-60 39.38	83.0 ME	980548.25	980569.34	0.02	-2.86	-0.04	0.00	-13.22	-16.09	-16.18
P29 -274	13638	44 20.99	-60 39.20	89.3 ME	980547.82	980569.26	0.02	-3.05	-0.04	0.00	-13.04	-16.10	-16.20
P30 -275	14148	44 20.95	-60 39.19	100.1 ME	980546.93	980569.20	0.01	-3.02	-0.05	0.00	-12.28	-15.94	-16.05
P31 -276	14632	44 20.91	-60 39.09	125.7 ME	980545.51	980569.13	0.01	-4.29	-0.06	0.00	-11.77	-16.10	-16.23
P32 -277	15206	44 20.86	-60 38.98	149.9 ME	980544.21	980569.06	0.02	-5.11	-0.07	0.00	-10.75	-15.91	-16.07
P33 -278	15716	44 20.81	-60 38.80	174.3 ME	980542.89	980568.98	0.02	-5.95	-0.08	0.00	-9.70	-15.70	-15.88
P34 -279	16127	44 20.78	-60 38.79	190.3 ME	980541.60	980568.94	0.04	-6.69	-0.09	0.00	-8.82	-15.56	-15.76
P35 -280	16628	44 20.74	-60 38.71	225.0 ME	980540.09	980568.88	0.06	-7.70	-0.10	0.00	-7.55	-15.29	-15.52
P36 -281	17010	44 20.70	-60 38.62	244.9 ME	980538.82	980568.82	0.08	-8.35	-0.11	0.00	-6.97	-15.35	-15.60
P37 -282	17545	44 20.66	-60 38.52	275.0 ME	980539.45	980568.76	0.06	-8.01	-0.10	0.00	-7.21	-15.26	-15.51
P38 -283	18233	44 20.61	-60 38.37	315.0 ME	980538.60	980568.69	0.18	-10.74	-0.14	0.00	-4.46	-15.16	-15.48
P39 -284	18644	44 20.57	-60 38.30	340.5 ME	980532.55	980568.63	0.25	-11.89	-0.15	0.00	-3.30	-15.09	-15.44
P40 -285	19007	44 20.56	-60 38.23	352.4 ME	980532.39	980568.61	0.26	-12.02	-0.15	0.00	-3.00	-14.99	-15.35
P41 -332	2307	44 23.06	-60 42.63	75.4 ME	980548.23	980564.23	-0.04	-2.57	-0.03	0.00	-8.91	-11.55	-11.83
P42 -333	721	44 23.59	-60 42.60	80.7 ME	980547.75	980564.13	-0.04	-2.96	-0.04	0.00	-8.23	-11.26	-11.55
P43 -334	1075	44 23.55	-60 42.50	91.1 ME	980547.59	980564.07	-0.03	-3.11	-0.04	0.00	-7.91	-11.08	-11.18
P44 -335	1721	44 23.46	-60 42.40	80.1 ME	980548.10	980563.94	-0.04	-3.00	-0.04	0.00	-7.49	-10.57	-10.66
P45 -336	2000	44 23.44	-60 42.43	64.0 ME	980549.52	980563.91	-0.05	-2.82	-0.03	0.00	-8.31	-10.59	-10.66
P46 -337	2307	44 23.41	-60 42.34	51.5 ME	980549.90	980563.86	-0.05	-1.96	-0.03	0.00	-8.55	-10.59	-10.65
P47 -338	2797	44 23.38	-60 42.20	27.2 ME	980551.43	980563.81	-0.06	-1.76	-0.01	0.00	-9.83	-10.03	-10.86
P48 -339	3209	44 23.36	-60 42.10	47.0 ME	980550.27	980563.78	-0.05	-1.63	-0.02	0.00	-9.01	-10.71	-10.77
P49 -340	3633	44 23.34	-60 42.00	44.2 ME	980550.25	980563.75	-0.05	-1.51	-0.02	0.00	-9.34	-10.92	-10.97
P50 -341	4077	44 23.32	-60 41.90	53.0 ME	980549.60	980563.72	-0.05	-1.64	-0.02	0.00	-8.90	-10.69	-10.95
P51 -342	4501	44 23.27	-60 41.80	44.7 ME	980550.21	980563.65	-0.05	-1.52	-0.02	0.00	-9.23	-10.63	-10.87
P52 -343	5123	44 23.21	-60 41.80	35.9 ME	980550.64	980563.55	-0.05	-1.22	-0.02	0.00	-9.54	-10.63	-10.87
P53 -344	5403	44 23.10	-60 41.72	63.0 ME	980549.93	980563.52	-0.05	-2.18	-0.03	0.00	-8.60	-10.65	-10.92

