WATER LEVEL AND CURRENT DATA COLLECTED FOR I.O.S. FOR USE IN A NUMERICAL TIDAL MODEL OF THE NORTHWEST PASSAGE

VOLUME III

APPENDIX 2

ARCTIC SCIENCES LTD

WATER LEVEL AND CURRENT DATA COLLECTED FOR I.O.S. FOR USE IN A NUMERICAL TIDAL MODEL OF THE NORTHWEST PASSAGE VOLUME III APPENDIX 2

by
J.R. Birch, D.B. Fissel and D.D. Lemon

Prepared for
Dr. R.F. Henry, Numerical Modelling Group
Institute of Ocean Sciences, Sidney, B.C.
(Dss File No. 04SB.FP941-3-1991)

Arctic Sciences Ltd.
1986 Mills Road
R.R. 2, Sidney, B.C.
V8L 3S1

(604) 656-0177

March 1984

ARCTIC SCIENCES LTD

APPENDIX II

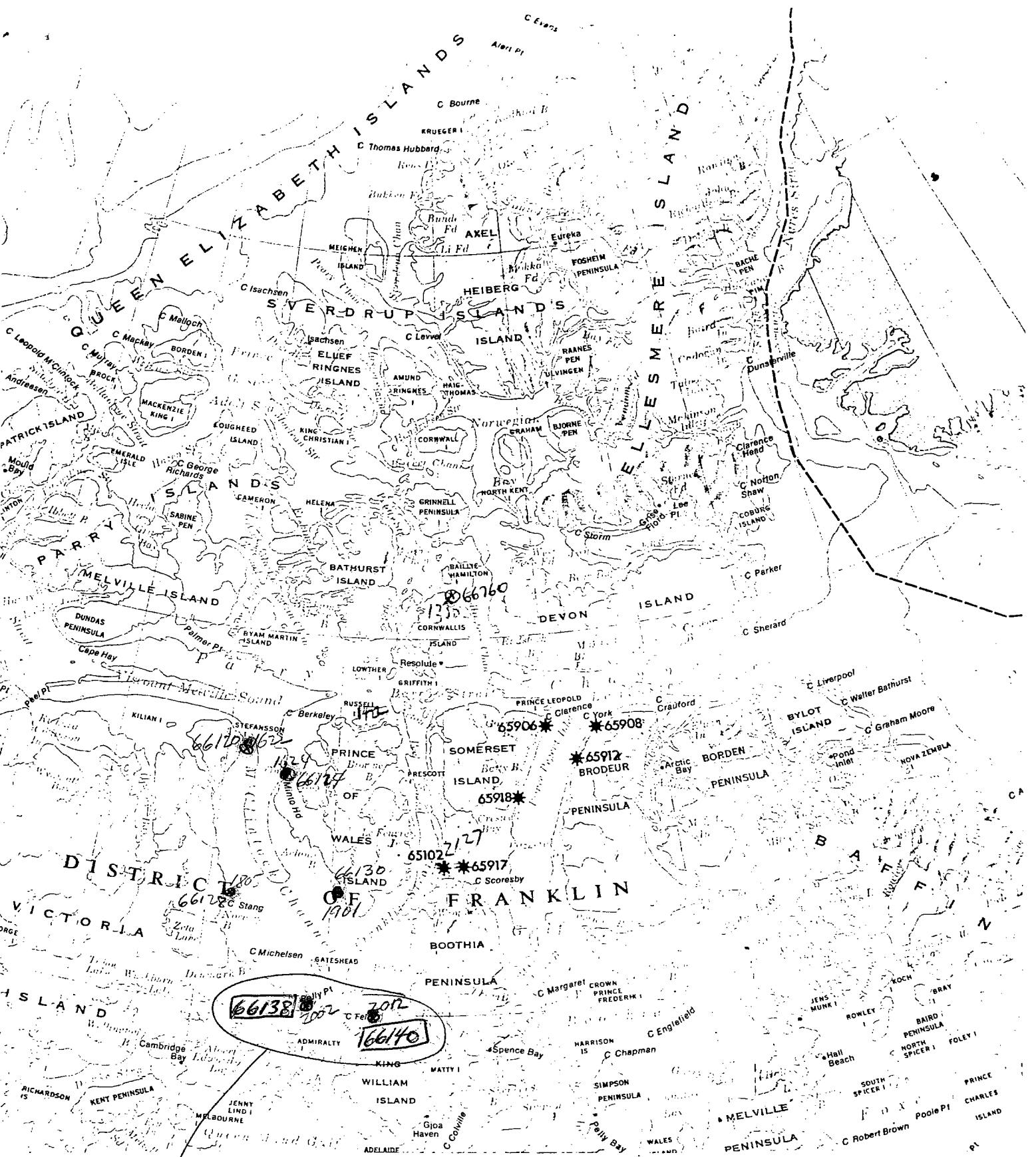
SECONDARY WATER LEVEL DOCUMENTATION

These data and documentation were gathered while compiling the primary data sets.

80-0011

1980 M'CLINTOCK CHANNEL SURVEY - REMAINING STATIONS

Information received from Rick Sandilands of Canadian Hydrographic Service, Burlington, Ontario.



1983 PRINCE REGENT INLET
80 TIDAL SURVEY

data still being processed
ie could still be errors

66138 gross timing error

				Range	
128	Cape Stang	HHW	1805 / .54	1.03	1.49
38	John Holbert Jr.		2002 / .66	1.27	1.93
40	Cape Felix		2012 / .59	1.12	1.70
20	Stephansson		1622 / .43	.79	1.24
124	Munro Head.		1624 / .31	.58	.94
130	Thackeray Pt.		1901 / .42	.73	1.09
6760	Stuart Bay		1300 / .73	1.44	2.19

1983 — 66128

NUMBER	NAME	STATION ZONE	LAT	LONG	ANALYSIS LENGTH	C.T.
66128	CAPE STANG, VICTORIA IS	CST	7129 NORTH	10416 WEST	36 DAYS	4MOYR

REFERENCE STATION - 5560

Z0 .005 (C.T. 480)

CONSTITUENT	AMPLITUDE	PHASE	CONSTITUENT	AMPLITUDE	PHASE
MM	.027	218.0	MSF	.018	213.3
2Q1	.007	85.9	Q1	.029	109.5
O1	.072	161.3	NO1	.007	242.9
P1	.035	274.2	K1	.110	279.1
J1	.004	296.9	OO1	.011	34.4
MU2	.016	160.8	N2	.084	127.0
M2	.376	157.5	L2	.012	244.0
S2	.146	210.5	K2	.037	202.9
MO3	.004	94.2	M3	.001	8.4
MK3	.003	207.7	SK3	.004	256.3
MN4	.001	185.8	M4	.003	234.8
MS4	.001	321.3			
2MN6	.001	335.9	2MS6	.001	57.1

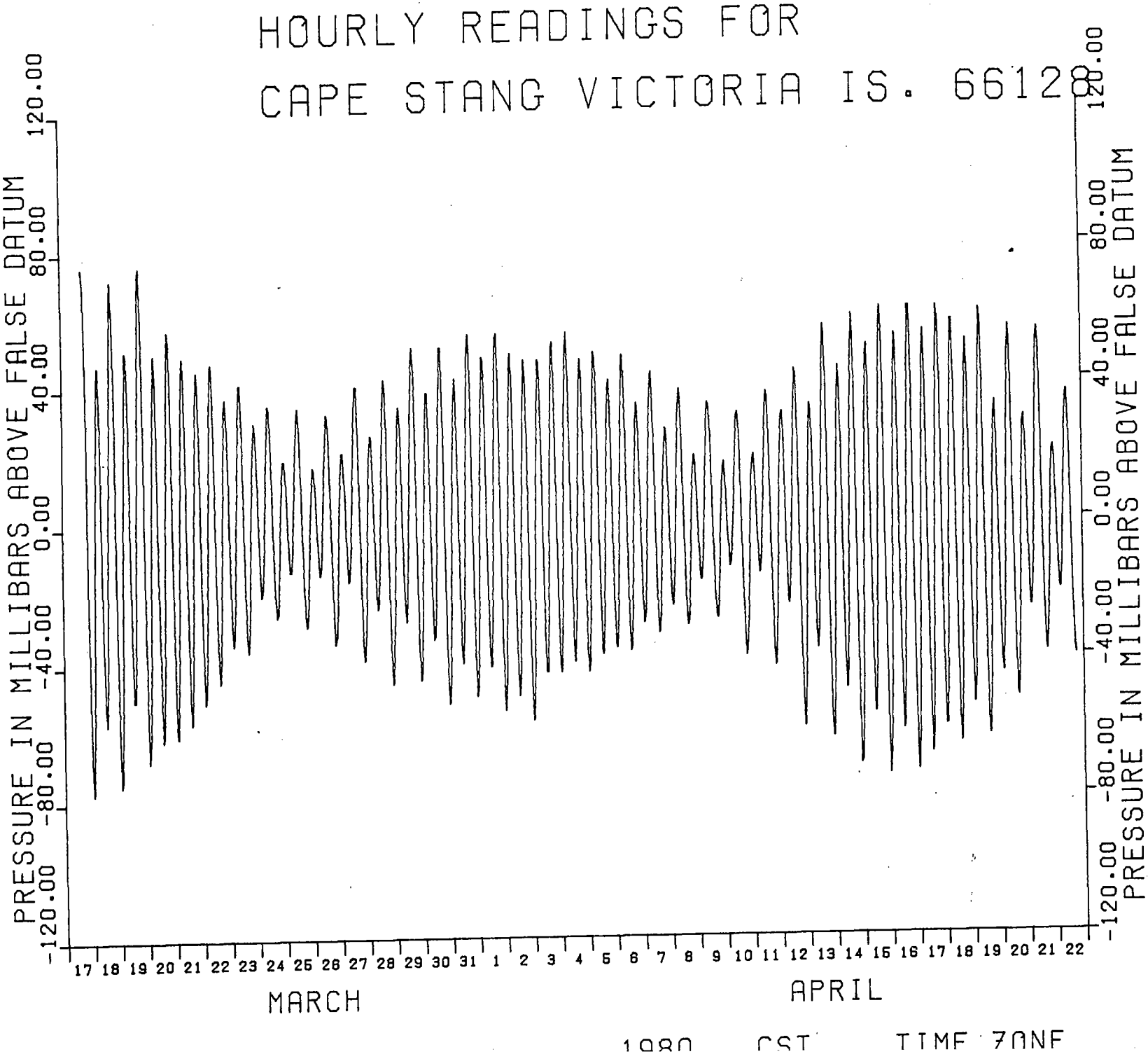
AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
53	2.58	118	1.53	164	.14	.41	.33	.55

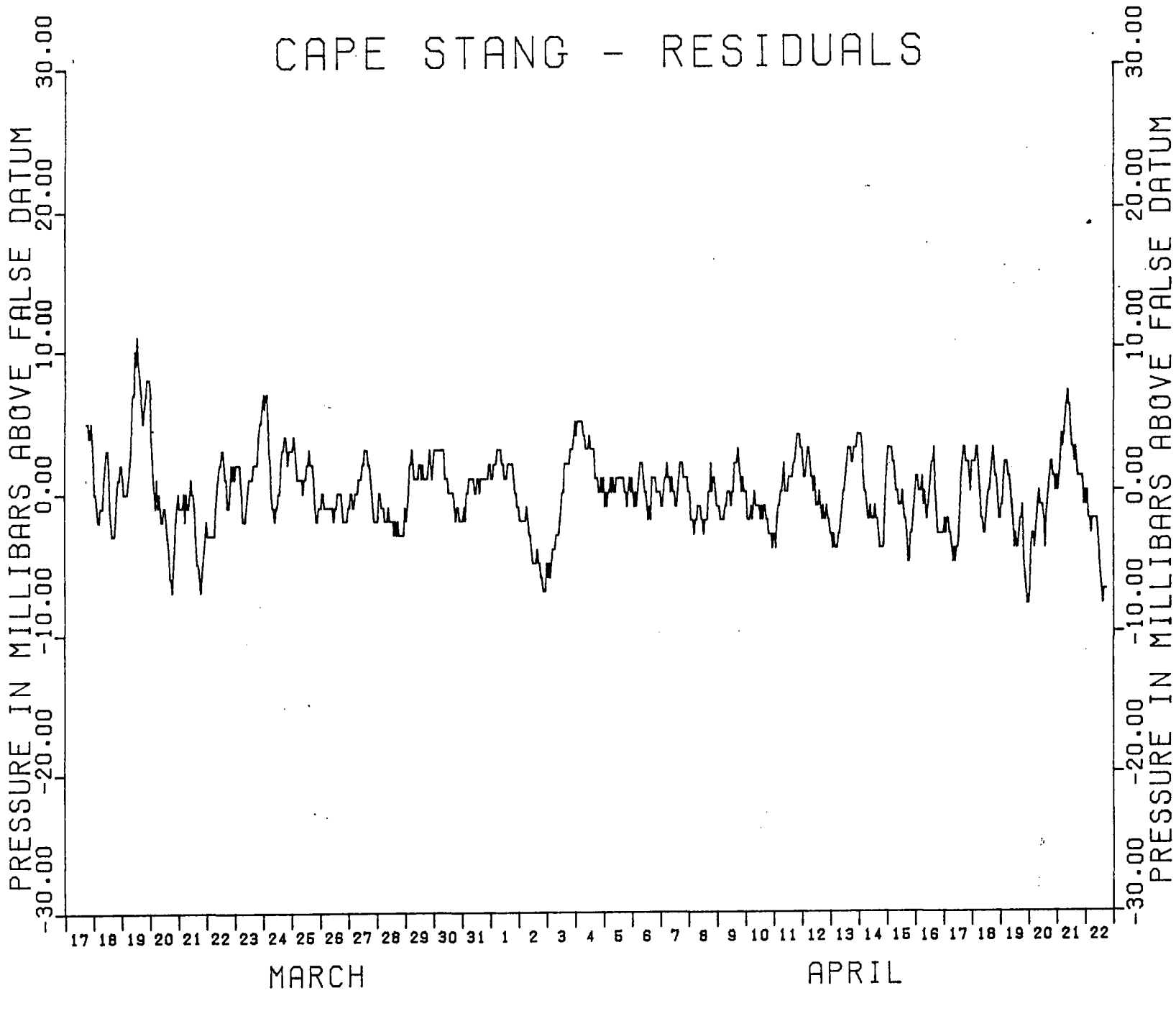
MEAN TIDES, TIMES AND HEIGHTS

HHW		LHW		HLW		LLW	
1805	.54	550	.29	1142	-.36	2444	-.49

LARGE TIDES		RANGES	
.87	-.62	1.03	1.49
HHW	LLW	MT	LT

AMPLITUDE VALUES ARE EXPRESSED IN DECIBARS
DATE AND TIME OF THE COMPUTER RUN 83/12/05. - 11.23.22.


HOURLY READINGS FOR
CAPE STANG VICTORIA IS. 66128
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
120.00
80.00
40.00
0.00
-40.00
-80.00
-120.00
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
MARCH
APRIL
1980 CST TIME ZONE


HOURLY READINGS FOR
CAPE STANG - RESIDUALS
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
30.00
20.00
10.00
0.00
-10.00
-20.00
-30.00
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
MARCH
APRIL
1980 CST TIME ZONE

UT DATA IOUT1, INDPR, ICHK, NSTRP, PAYOFF ZOFF OBSFAC
6 3 0 0 1.000000 0.000000 0.000000

FERENCE PAIRS

K1	.4178074620E-01	P1	.4155258710E-01	.31795	4.90000
S2	.8333333330E-01	K2	.8356149240E-01	.25131	7.60000

TION 56126 PRELIMINARY RESULTS

STITUENT	FREQUENCY	C	ERR	S	ERR
Z0	0.000000000	.005	.001	0.000	.000
MM	.00151215	.023	.001	-.013	.002
MSF	.00282193	-.005	.002	.017	.002
ALP1	.03439657	.006	.002	-.002	.002
2Q1	.03570635	-.005	.002	.003	.002
Q1	.03721850	.007	.002	-.023	.002
O1	.03873065	-.004	.002	.060	.002
NO1	.04026859	-.006	.002	.006	.002
K1	.04178075	-.007	.002	-.068	.002
J1	.04329290	.002	.002	.003	.002
OO1	.04483084	.000	.002	-.006	.002
UPS1	.04634299	.000	.002	.006	.002
EPS2	.07617732	-.003	.002	.001	.002
MU2	.07768947	-.012	.002	.012	.002
N2	.07899925	.040	.002	-.077	.002
M2	.08051140	.029	.002	.367	.002
L2	.08202355	.003	.002	.012	.002
S2	.08333333	.152	.002	.077	.002
ETA2	.08507364	-.002	.002	.000	.002
MO3	.11924206	.003	.002	-.003	.002
M3	.12076710	.000	.002	.001	.002
MK3	.12229215	-.001	.002	.002	.002
SK3	.12511408	.001	.002	.003	.002
MN4	.15951065	.000	.002	-.001	.002
M4	.16102280	-.000	.002	.003	.002
SN4	.16233258	-.000	.002	-.000	.002
MS4	.16384473	.001	.002	.001	.002
S4	.16666667	-.000	.002	.000	.002
2MK5	.20280355	.000	.001	-.000	.001
2SK5	.20844741	-.000	.001	.000	.001
2MN6	.24002205	.001	.002	.000	.002
M6	.24153420	-.000	.002	.001	.002
2MS6	.24435613	-.000	.002	.001	.002
2SM6	.24717807	.000	.002	.000	.002
3MK7	.28331495	.000	.001	-.001	.001
M8	.32204560	-.000	.001	-.000	.001

MBER OF VALID DATA = 865 AVERAGE = -.00 STANDARD DEVIATION = .33

EORETICAL RMS = .03 MATRIX CONDITION = .36

S OF THE RESIDUES= .03097

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 66126 18H 17/ 3/80 TO 18H 22/ 4/80

NO.OBS.= 865 NO.PTS.ANAL.= 865 MIDPT=18H 4/ 4/80 SEPARATION =1.00

TIME ZONE= CST LATITUDE=71D 29M LONGITUDE=156D 16M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G	AL	GL
1	Z0	0.000000000	380-	480	.0049	0.00	.0049	0.00
2	MM	.00151215	380-	480	.0267	218.02	.0267	331.46
3	MSF	.00282193	380-	480	.0182	213.32	.0182	106.51
4	A_S1	.03439657	380-	480	.0076	63.11	.0065	346.23
5	2Q1	.03570635	380-	480	.0075	85.93	.0062	147.44
6	Q1	.03721850	380-	480	.0288	109.52	.0242	266.56
7	O1	.03873065	380-	480	.0717	161.29	.0603	63.58
8	NO1	.04026859	380-	480	.0069	242.92	.0085	137.00
9	K1	.04178075	380-	480	.0756	271.40	.0685	263.32
10	J1	.04329290	380-	480	.0041	296.91	.0035	51.10
11	OO1	.04483084	380-	480	.0113	34.42	.0078	271.20
12	UPS1	.04634299	380-	480	.0099	97.29	.0060	67.42
13	EPS2	.07617732	380-	480	.0029	239.18	.0030	153.33
14	MU2	.07768947	380-	480	.0163	100.81	.0166	134.35
15	N2	.07899925	380-	480	.0844	126.96	.0864	297.58
16	M2	.08051140	380-	480	.3761	157.54	.3881	85.67
17	L2	.08202355	380-	480	.0117	243.97	.0122	77.04
18	S2	.08333333	380-	480	.1712	206.93	.1709	26.87
19	ETA2	.08507364	380-	480	.0027	232.00	.0019	164.35
20	MO3	.11924206	380-	480	.0043	94.22	.0038	314.64
21	M3	.12076710	380-	480	.0005	8.37	.0005	60.28
22	MK3	.12229215	380-	480	.0025	207.66	.0023	128.21
23	SK3	.12511408	380-	480	.0039	256.33	.0035	68.59
24	MN4	.15951065	380-	480	.0012	186.79	.0016	285.34
25	M4	.16102280	380-	480	.0027	234.84	.0029	91.10
26	SN4	.16233258	380-	480	.0003	256.96	.0003	247.52
27	MS4	.16384473	380-	480	.0014	321.30	.0014	69.36
28	S4	.16666667	380-	480	.0004	114.71	.0004	114.00
29	2MK5	.20280355	380-	480	.0003	134.61	.0003	34.29
30	2SK5	.20484741	380-	480	.0003	152.85	.0003	145.16
31	2MN6	.24000228	380-	480	.0007	335.87	.0006	20.75
32	M6	.24153420	380-	480	.0005	324.14	.0005	10.53
33	2MS6	.24435613	380-	480	.0013	57.09	.0014	94.29
34	2SM6	.24717807	380-	480	.0003	153.43	.0003	61.45
35	3MK7	.28331495	380-	480	.0006	150.16	.0006	280.97
36	M8	.32204560	380-	480	.0002	141.06	.0002	213.58

ANALYSIS OF HOURLY TIDAL HEIGHTS ST.N 66123 18H 17/ 3/80 TO 18H 22/ 4/80

NO.OBS.= 865 NO.PTS.ANAL.= 865 MIDPT=18H 4/ 4/80 SEPARATION =1.00

TIME ZONE= CST LATITUDE=71D 29M LONGITUDE=104D 16M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/ M-Y	A	G		AL	GL
1	Z0	0.000000000	380- 480	.0049	0.00		.0049	0.00
2	MM	.001512l5	380- 480	.0267	218.02		.0267	331.46
3	MSF	.002321[illegible]	380- 480	.0182	213.32		.0182	106.51
4	ALP1	.034396[illegible]	380- 480	.0076	63.11		.0065	346.23
5	2Q1	.035706[illegible]	380- 480	.0075	85.93		.0062	147.44
6	Q1	.037218[illegible]	380- 480	.0288	109.52		.0242	286.56
7	O1	.038730[illegible]	380- 480	.0747	161.29		.0603	93.58
8	NO1	.040268[illegible]	380- 480	.0069	242.92		.0085	137.90
9	P1	.041552[illegible]	380- 480	.0349	274.24	INF FR K1	.0353	107.79
10	K1	.041780[illegible]	380- 480	.1099	279.14		.0996	271.56
11	J1	.043292[illegible]	380- 480	.0041	296.91		.0035	51.10
12	001	.044930[illegible]	380- 480	.0113	34.42		.0078	271.20
13	UPS1	.046342[illegible]	380- 480	.0099	97.29		.0068	87.42
14	EPS2	.076177[illegible]	380- 480	.0029	239.18		.0030	155.33
15	MU2	.077689[illegible]	380- 480	.0163	100.81		.0166	134.35
16	N2	.078999[illegible]	380- 480	.0844	126.96		.0864	297.58
17	M2	.090511[illegible]	380- 480	.3761	157.54		.3881	85.67
18	L2	.092023[illegible]	380- 480	.0117	243.97		.0122	77.04
19	S2	.083333333	380- 480	.1460	210.52		.1457	30.47
20	K2	.083561[illegible]	380- 480	.0367	202.92	INF FR S2	.0289	7.14
21	ETA2	.085073[illegible]	380- 480	.0027	232.00		.0019	164.85
22	MO3	.119242[illegible]	380- 480	.0043	94.22		.0038	314.66
23	M3	.120767[illegible]	380- 480	.0005	8.37		.0005	80.28
24	MK3	.122292[illegible]	380- 480	.0025	207.66		.0023	128.21
25	SK3	.125114[illegible]	380- 480	.0039	256.33		.0035	68.69
26	MN4	.159510[illegible]	380- 480	.0012	186.79		.0013	285.54
27	M4	.161022[illegible]	380- 480	.0027	234.84		.0029	91.10
28	SN4	.162332[illegible]	380- 480	.0003	256.96		.0003	247.52
29	MS4	.163844[illegible]	380- 480	.0014	321.30		.0014	69.38
30	S4	.166666667	380- 480	.0004	114.71		.0004	11.60
31	2MK5	.202803[illegible]	380- 480	.0003	134.61		.0003	343.29
32	2SK5	.208447[illegible]	380- 480	.0003	152.85		.0003	145.16
33	2MN6	.240022[illegible]	380- 480	.0007	335.87		.0008	2.75
34	M6	.241534[illegible]	380- 480	.0005	324.14		.0005	108.53
35	2MS6	.243566[illegible]	380- 480	.0013	57.09		.0014	93.29
36	2SM6	.247178[illegible]	380- 480	.0003	153.43		.0003	81.45
37	3MK7	.283314[illegible]	380- 480	.0006	150.16		.0006	286.97
38	M8	.322045[illegible]	380- 480	.0002	141.06		.0002	213.58

AFTER INFERENCE, RMS(RESID ERROR) = .02825

STITUENT ALP1 IS NOT IN ICTAB TABLE

STITUENT UPS1 IS NOT IN ICTAB TABLE

STITUENT EPS2 IS NOT IN ICTAB TABLE

STITUENT ETA2 IS NOT IN ICTAB TABLE

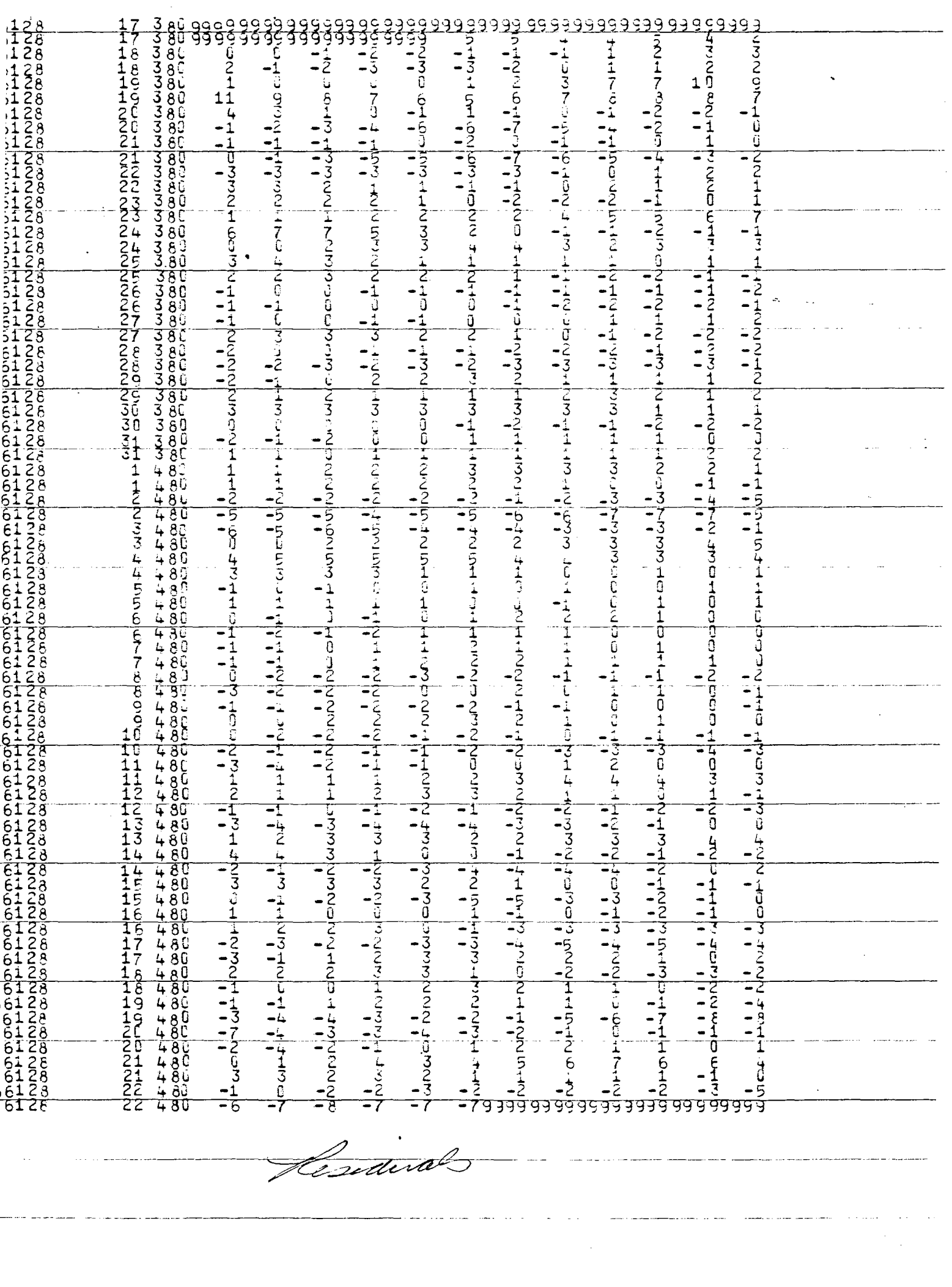
STITUENT 2MK5 IS NOT IN ICTAB TABLE

STITUENT 2SK5 IS NOT IN ICTAB TABLE

STITUENT 3MK7 IS NOT IN ICTAB TABLE

28 CAPE SIANG,VICTORIA IS CST 71 29 164 16 1 X 36 480

28	5	0	CST	4 80	Z0	0
28	72	1613	CST	4 80	O1	1
28	110	2791	CST	4 80	K1	2
28	376	1575	CST	4 80	M2	3
28	146	2105	CST	4 80	S2	4
28	3	2348	CST	4 80	K2	5
28	1	3213	CST	4 80	MS4	6
28	84	1270	CST	4 80	N2	8
28	27	2130	CST	4 80	MM	10
28	29	1095	CST	4 80	Q1	12
28	4	2969	CST	4 80	J1	13
28	11	3[illegible]	CST	4 80	OO1	14
28	16	1008	CST	4 80	MU2	15
28	12	2440	CST	4 80	L2	16
28	7	2429	CST	4 80	NO1	17
28	1	1868	CST	4 80	MN4	18
28	0	1411	CST	4 80	M3	19
28	8	631	CST	4 80	ALP1	21
28	7	859	CST	4 80	2Q1	22
28	35	2742	CST	4 80	P1	23
28	10	973	CST	4 80	UPS1	33
28	3	2392	CST	4 80	EPS2	35
28	37	2029	CST	4 80	K2	44
28	3	2320	CST	4 80	ETA2	45
28	1	84	CST	4 80	M3	46
28	4	942	CST	4 80	MO3	50
28	3	2077	CST	4 80	MK3	52
28	4	2566	CST	4 80	SK3	53
28	0	2570	CST	4 80	SN4	54
28	0	1147	CST	4 80	S4	56
28	0	1346	CST	4 80	2MK5	58
28	0	1528	CST	4 80	2SK5	59
28	1	3359	CST	4 80	2MN6	60
28	0	3241	CST	4 80	M6	61
28	1	571	CST	4 80	2MS6	62
28	0	1534	CST	4 80	2SM6	64
28	1	1502	CST	4 80	3MK7	66
28	18	2133	CST	4 80	MSF	68



```
128                NORTH OF CAPE STANG, VICTORIA IS. - 71 29 N 104 16 W
128                DATA ARE REFERRED TO CST (+5) TIME ZONE
128                DATA ARE WATER LEVELS IN MILLIBARS
128                REFERENCE LEVEL IS ZO (MEAN PRESSURE)
128    17  380  9999999999999999999999999999999999999999999999999999
128    17  380  99999999999999999999999   76   71   49   17  -18  -51  -72
128    18  380  -77  -64  -39   -7   23   43   47   36   15  -12  -37  -53
128    18  380  -57  -47  -23    9   41   64   72   63   39    5  -30  -53
128    19  380  -75  -73  -55  -26    7   36   51   50   38   12  -14  -39
128    19  380  -56  -50  -34   -7   26   55   74   76   62   35    1  -32
128    20  380  -58  -68  -62  -41  -12   23   41   50   43   23   -4  -31
128    20  380  -52  -62  -56  -40  -13   18   42   57   54   39   12  -16
128    21  380  -43  -59  -61  -49  -26    1   29   45   49   40   20   -6
128    21  380  -31  -50  -57  -52  -34   -9   16   36   45   40   24    2
128    22  380  -23  -42  -51  -49  -36  -14   10   33   46   47   37   18
128    22  380   -4  -26  -40  -45  -38  -24   -3   18   34   37   32   18
128    23  380   11  -16  -29  -34  -31  -20   -3   16   32   41   41   32
128    23  380   15   -4  -21  -32  -36  -31  -18   -1   15   25   30   27
128    24  380   18    7   -5  -15  -20  -18  -11    1   16   28   35   34
128    24  380   23   15    1  -12  -22  -26  -25  -18   -8    4   14   19
128    25  380   19   16    8   -1   -9  -13  -13   -6    2   13   24   31
128    25  380   34   30   21    5   -5  -17  -26  -29  -26  -18   -7    4
128    26  380   12   17   16   11    3   -5  -11  -14  -12   -4    6   17
128    26  380   27   32   31   21   12   -3  -13  -29  -34  -32  -24  -11
128    27  380    3   15   21   21   16    8   -3  -12  -16  -14   -7    6
128    27  380   20   33   44   41   31   17   -1  -19  -33  -39  -37  -26
128    28  380  -11    7   20   26   25   17    4   -9  -20  -24  -22  -12
128    28  380    3   20   34   42   39   29   11  -10  -29  -42  -46  -36
128    29  380   -2    4   15   25   34   37   17    1  -14  -25  -28  -29
128    29  380   -7   12   32   46   51   45   30    9  -14  -34  -45  -43
128    30  380  -31  -12   10   26   38   38   28   12   -7  -24  -38  -32
128    30  380  -22   -8   19   33   44   51   39   19   -6  -31  -47  -52
128    31  380  -45  -27   -4   20   36   42   36   21    1  -20  -35  -40
128    31  380  -33  -16    6   30   48   55   50   33    8  -18  -36  -50
128     1  480  -48  -34  -11   15   36   48   47   35   15   -9  -26  -41
128     1  480  -41  -29   -7    1   16   41   54   55   42   19   -3  -33  -50
128     2  480  -54  -45  -25   -8    6   26   43   49   40   22   -2  -26  -44
128     2  480  -50  -44  -27   -2   22   41   47   44   33   -2  -28  -47
128     3  480  -57  -53  -38  -14   13   35   47   46   33   12  -12  -32
128     3  480  -43  -43  -30   -9   16   38   51   52   41   20   -4  -26
128     4  480  -41  -43  -33  -14   11   34   50   55   47   30    7  -16
128     4  480  -34  -40  -35  -22    1   24   41   47   42   27    5  -17
128     5  480  -36  -43  -40  -26   -5   19   38   49   47   35   17   -5
128     5  480  -25  -37  -38  -30  -12    8   28   39   41   32   15   -4
128     6  480  -23  -35  -36  -29  -13    8   29   44   46   42   27    6
128     6  480  -13  -30  -37  -36  -23   -6   18   28   34   32   21    6
128     7  480  -11  -24  -29  -28  -16    0   17   33   42   43   35   20
128     7  480    2  -16  -26  -32  -28  -18   -3   12   23   27   24   14
128     8  480    2  -12  -21  -24  -21  -11    3   19   31   38   36   23
128     8  480   14   -1  -16  -27  -30  -23  -13   -7    6   15   19   17
128     9  480   11    2   -8  -15  -17  -14   -6    5   18   29   34   33
128     9  480   28   17    4  -10  -21  -27  -28  -23  -14   -1    8   15
128    10  480   17   13    6   -2   -8  -13  -12   -7    1   12    2    3   30
128    10  480   31   28   18    5  -11  -25  -35  -39  -36  -26  -12    2
128    11  480   13   18   19   14    5   -4  -12  -15  -12   -6    7   20
128    11  480   32   37   35   26   12   -7  -24  -37  -42  -39  -28  -11
128    12  480    7   22   30   31   24   11   -4  -17  -24  -23  -13   -1
128    12  480   19   34   43   44   29   11  -13  -36  -52  -60  -54  -39
128    13  480  -17    6   25   33   31   20    3  -16  -31  -37  -33  -19
128    13  480    2   26   46   56   53   38   14  -14  -41  -59  -63  -54
128    14  480  -33   -8   20   38   44   38   21   -3  -26  -42  -49  -42
128    14  480  -24    3   30   51   59   52   32    3  -29  -56  -71  -70
128    15  480  -55  -29    2   30   47   50   38   16  -11  -37  -59  -56
128    15  480  -44  -21    8   37   57   61   51   28   -4  -37  -63  -74
128    16  480  -69  -50  -21   12   39   53   49   34    7  -23  -48  -61
128    16  480  -59  -42  -15   18   45   61   61   46   19  -14  -46  -68
128    17  480  -73  -64  -40   -8   23   46   54   45   25   -5  -35  -58
128    17  480  -68  -62  -41  -11   22   48   61   57   40   12  -20  -45
128    18  480  -60  -60  -45  -19   13   40   57   57   45   20  -10  -38
128    18  480  -58  -65  -57  -36   -7   23   44   52   44   25   -1  -27
128    19  480  -46  -54  -48  -30   -4   25   48   60   56   40   14  -16
128    19  480  -41  -59  -63  -54  -33   -8   17   38   33   24    7  -13
128    20  480  -32  -42  -45  -37  -21    3   28   47   55   49   33   10
128    20  480  -16  -39  -51  -52  -42  -24   -2   17   27   29   22   10
128    21  480   -6  -19  -26  -25  -18   -3   17   37   51   54   48   32
128    21  480   12   -3  -27  -37  -39  -33  -20   -4   10   19   20   17
128    22  480    7   -3  -14  -20  -21  -15   -4   11   25   34   36   30
128    22  480   15    0  -15  -28  -38  -40999999999999999999999999999
```

AANDERAA TIDE GAUGE

DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 407 3

TIME ZONE USED: CST (+6)

SAMPLING INTERVAL: 15 min

INTEGRATION TIME: _____

PREPARATION

INITIALIZATION DATE(DMY): 15/03/80 07

TIME RESET: _____

FIRST FIRE: 1600

THREAD TAPE: 1545

FIRST READING ON TAPE: 1615

SECOND READING ON TAPE: 1630

DIGI-PRINTER READINGS:

TIME	1900	TIME	1915
READINGS	127	READINGS	127
	1		1
	183		183
	235		238
TIME	1930	TIME	1945
READINGS	127	READINGS	127
	1		1
	182		183
	242		243

DEPLOYMENT

DEPLOYMENT DATE(DMY): 17/03/80 (07)

TIME IN WATER: 1735

TIME ON BOTTOM: 1740

LOCATION

LAT: 71° 29'

LONG: 104° 16'

OTHER: Decca Master

RECOVERY

RECOVERY DATE(DMY): 22/04/80

TIME LEFT BOTTOM: 1800

TIME OUT OF WATER: 1802

TIME OF LAST FIRE: 2400

DIGI-PRINTER READINGS:

TIME	2315	TIME	2330
READINGS	127	READINGS	127
	123		123
	183		183
	112		104
TIME	2345	TIME	2400
READINGS	127	READINGS	127
	123		123
	183		183
	100		98

REMARKS AND OBSERVATIONS

BATTERY CHECK: 8.78 no load
8.70 under load

loyment Location:

Gauge is deployed on small pan due east of ecca master (just north of Cape Stang). Location is utside a long lead + is marked with Black 45 gal drum.

April 22/80
4 07
2315

2230

2345

2400

GAUGE DATA: SERIAL NO. 407 CALIBRATION DATE: SEPT. 7, [illegible]
MODEL WLR5
RANGE (KILOPASCALS) 1379.0

AMBIENT CONDITIONS: TEMPERATURE (DEG. C) START: 23.80 FINISH: 23.90
PRESSURE (KILOPASCALS) START: 100.85 FINISH: 100.87

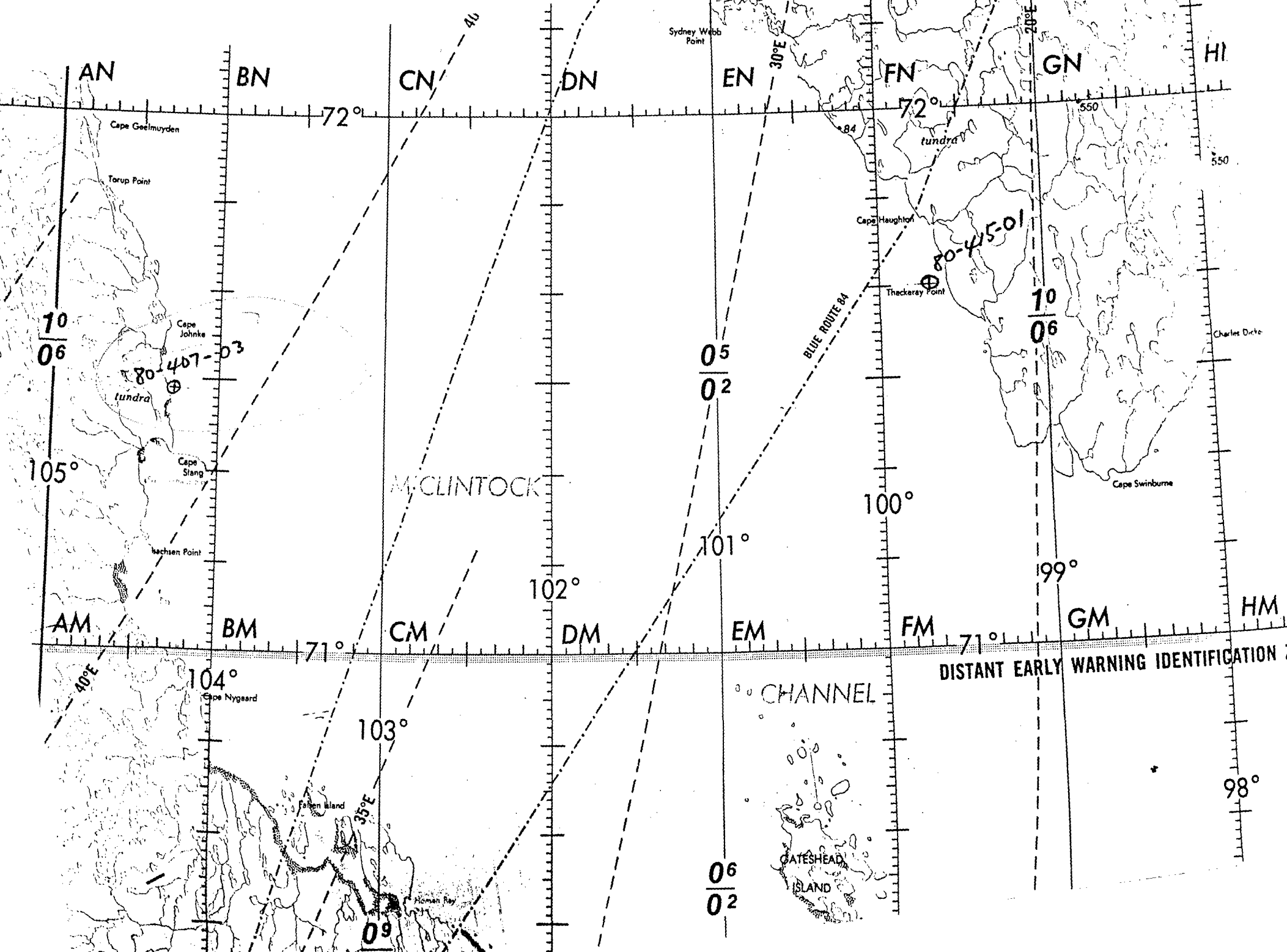
THIRD ORDER COEFFICIENTS ARE:

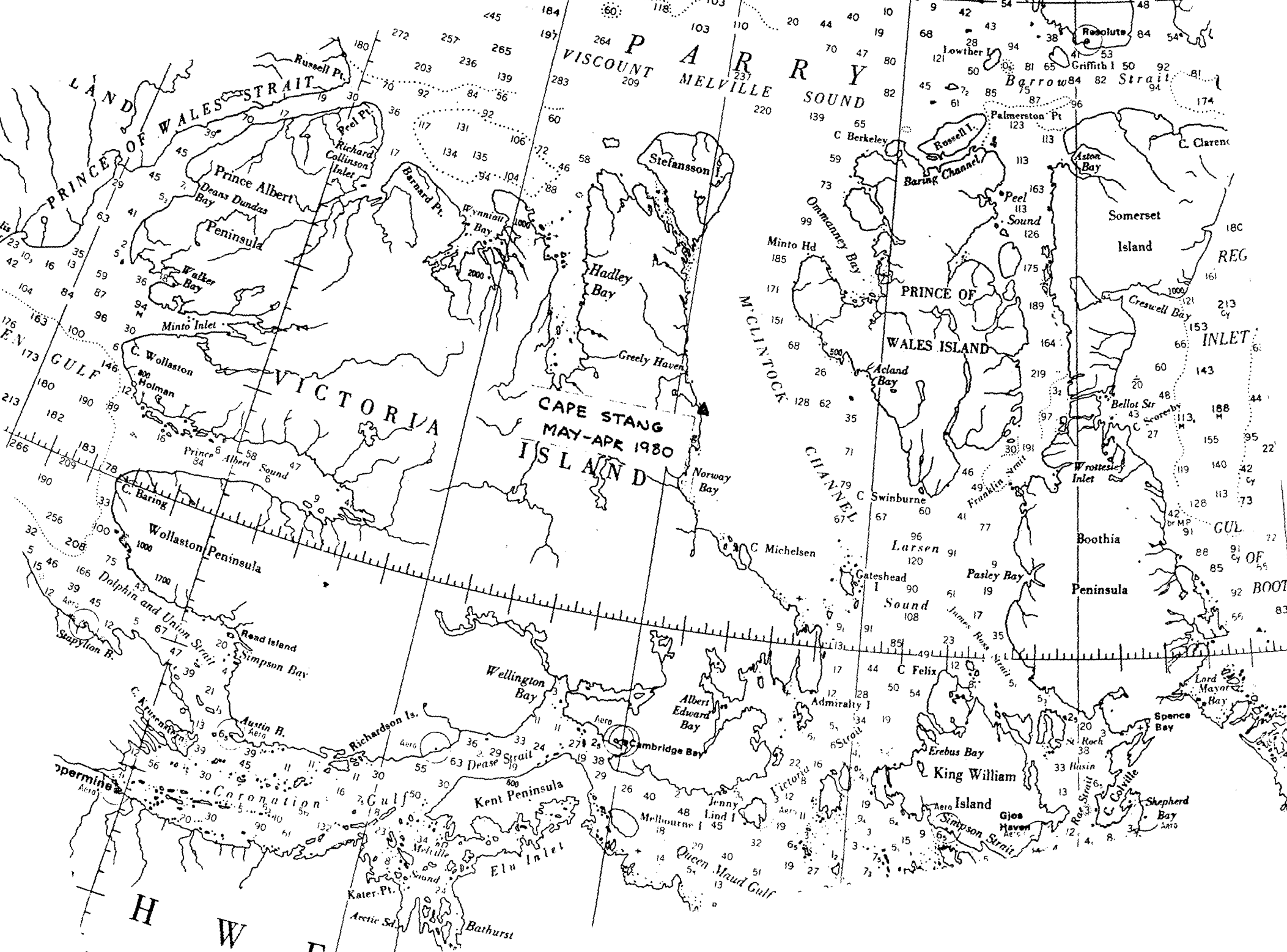
-.93701778D+03 .60837936D-02 -.31043166D-08 .11103091D-14

R.M.S. ERROR = .09096
% FULL SCALE = .00660

*****TEST RESULTS*****

AANDERAA CH. 1	COUNT CH. 2	AANDERAA FULLWORD	TEXAS I. READING	AMBIENT PRESSURE	PRESSURE IN KILOPASCALS	PRESSURE BY APPROXIMATION	CURVE DEVIATION	% FULL SCALE ERR.
182	933	187301.	0.000	100.85	100.85	100.87	-.02	-.002
210	995	216035.	3.470	100.86	243.79	243.61	.18	.013
239	201	244937.	6.854	100.86	383.19	383.20	-.02	-.001
267	532	273940.	10.158	100.86	519.45	519.44	.00	.000
296	401	303505.	13.434	100.86	654.68	654.53	.15	.011
326	229	334053.	16.720	100.86	790.34	790.27	.07	.005
359	88	367704.	20.230	100.86	935.50	935.49	.00	.000
390	353	399713.	23.468	100.86	1069.76	1069.68	.08	.006
424	801	434977.	26.926	100.86	1213.29	1213.32	-.03	-.002
391	223	400607.	23.555	100.87	1073.38	1073.38	.00	.000
358	297	366889.	20.144	100.87	931.94	932.03	-.08	-.006
327	765	335614.	16.891	100.87	797.00	797.10	-.10	-.007
297	699	304827.	13.575	100.87	660.52	660.48	.03	.002
267	889	274297.	10.194	100.87	520.94	521.10	-.15	-.011
239	293	244005.	6.743	100.87	378.63	378.76	-.13	-.010
211	47	216111.	3.476	100.87	244.05	243.98	.07	.005
182	946	187314.	0.000	100.87	100.87	100.94	-.07	-.005


AN
BN
CN
DN
EN
FN
GN
HI
AM
BM
CM
DM
EM
FM
GM
HM
72°
71°
105°
104°
103°
102°
101°
100°
99°
98°
Cape Geelmuyden
Torup Point
Cape Johnke
80-407-03
tundra
Cape Stang
Isachsen Point
Cape Nygaard
Fosen Island
Homan Bay
Sydney Webb Point
84
tundra
Cape Haughton
80-415-01
Thackeray Point
BLUE ROUTE 84
Cape Swinburne
Charles Dickens
M'CLINTOCK CHANNEL
GATESHEAD ISLAND
40°E
35°E
30°E
20°E
550
10/06
05/02
06/02
09
DISTANT EARLY WARNING IDENTIFICATION


PARRY
VISCOUNT MELVILLE SOUND
PRINCE OF WALES STRAIT
LAND
Russell Pt.
Peel Pt.
Richard Collinson Inlet
Prince Albert
Deans Dundas Bay
Peninsula
Walker Bay
Minto Inlet
C. Wollaston
Holman
GULF
VICTORIA
ISLAND
Barnard Pt.
Wynniatt Bay
Stefansson I.
Hadley Bay
Greely Haven
CAPE STANG
MAY-APR 1980
Norway Bay
C. Michelsen
Prince Albert Sound
C. Baring
Wollaston Peninsula
Dolphin and Union Strait
Read Island
Simpson Bay
Stapylton B.
Wellington Bay
Albert Edward Bay
Cambridge Bay
Richardson Is.
Austin B.
Dease Strait
Coronation Gulf
Kent Peninsula
Melville Sound
Elu Inlet
Kater Pt.
Arctic Sd.
Bathurst
Jenny Lind I.
Melbourne I.
Queen Maud Gulf
Victoria Strait
Admiralty I.
C. Felix
Larsen Sound
Gateshead I.
Pasley Bay
Boothia Peninsula
James Ross Strait
Lord Mayor Bay
Spence Bay
Erebus Bay
King William Island
Simpson Strait
Rae Strait
C. Colville
Shepherd Bay
Gjoa Haven
C. Swinburne
Franklin Strait
Wrottesley Inlet
Bellot Str.
C. Scoresby
Creswell Bay
Somerset Island
Aston Bay
C. Clarence
Peel Sound
Ommanney Bay
Minto Hd
PRINCE OF WALES ISLAND
Acland Bay
M'CLINTOCK CHANNEL
Baring Channel
Russell I.
C. Berkeley
Palmerston Pt.
Barrow Strait
Griffith I.
Lowther I.
Resolute
REG
INLET
GUL
OF
BOOT

FORM 1

DATE Nov 19/83

TEMPORARY DEPLOYMENT WORK SHEET,
DATA SHEET AND PROCESSING SUMMARY
FOR 80-407-03

A. SUMMARY OF INFORMATION RECEIVED

ANALOGUE RECORDS		COMPARISON FORM	
1/4" MAGNETIC TAPE	✓	DEPLOYMENT FORM	✓
EPROM		CALIBRATION FORM	✓
LEVELLING NOTES		502 FORM	
LOCATION MAP	✓	B. M PHOTOGRAPHS	

B. GENERAL INFORMATION

LOCATION NORTH OF CAPE STANG
LATITUDE 71° 29' N
LONGITUDE 104° 16'
TIME ZONE OF OBSERVATIONS CST +6
PERIOD OF RECORD: START(HHMM/DD/MM/YY) 1800/17/03/80
END (HHMM/DD/MM/YY) 1800/22/04/80
NO. OF DAYS OF DATA 36
NO. OF DAYS ANALYSED 36

C. PRODUCTION HISTORY

DATE RECEIVED
DATE PROCESSING COMPLETED Dec 9/83
DATE CHECKING COMPLETED
DATE SENT TO H.Q.
DATE SENT TO MEDS
DATE RETURNED FROM MEDS
DATE FILE COMPLETED

Date Nov 19/83

FORM 3

PROCESSING CHECKLIST FOR SUBMERSIBLE TIDE GAUGE
AT 80-407-03

1. Gauge data: Model WLR5 Range 0-130

Sampling interval 15 min Integration time

Calibration: Pressure: Date Sept 4/1979 Units KPA

Coefficients -.937018E+03 a

.608379E-02 b

-.310432E-08 t_o

.111031E-14

Temperature : Date Baseword

Coefficients

2. Processing data:

Translator CCIW

First data on Tape (time and day) 1615/075/80

First pressure words and time after deployment 227 955 (1745/077)

First pressure words & time after recovery 183 132 (1815/113)

3. Results: 1. Pressure - maximum 2268.91 mB minimum 2113.98 mB
range 154.93 mB offset 2100.+91.

2. Plots data - hourly residuals

3. Processing problems

Monitor & Temp check okay

4. Master Filing

80-407-03 66128 Cape Kang, Victoria Is

- first sample 1615/075
- monitor checks okay
- fast sample 1745/077 checks okay
- last monitor checks okay.
- last good sample at 1800/113 checks by hand from bottom & by analysis from top. next deployment form.

80-46?-05

66120

NUMBER	NAME	STATION ZONE	LAT	LONG	ANALYSIS LENGTH	G.T.
66120	STEPHANSSON IS. EAST	CST	7323 NORTH	10428 WEST	36 DAYS	480 MOY.

REFERENCE STATION - 5560

Z0 .002 (C.T. 480)

CONSTITUENT	AMPLITUDE	PHASE	GMT	CONSTITUENT	AMPLITUDE	PHASE
MM	.029	218.6		MSF	.018	213.0
2Q1	.005	78.6		Q1	.023	103.5
O1	.053	156.2		NO1	.005	239.3
P1	.025	268.5		K1	.079	273.4
J1	.003	299.2		CO1	.008	30.6
MU2	.016	47.6		N2	.062	72.8
M2	.298	101.8	275.70	L2	.007	195.3
S2	.140	153.4		K2	.035	145.8
MO3	.001	161.1		M3	.001	92.0
SK3	.001	278.9				
MN4	.001	307.7		M4	.001	45.0
MS4	.001	36.5				
M6	.001	344.6		2MS6	.001	55.3

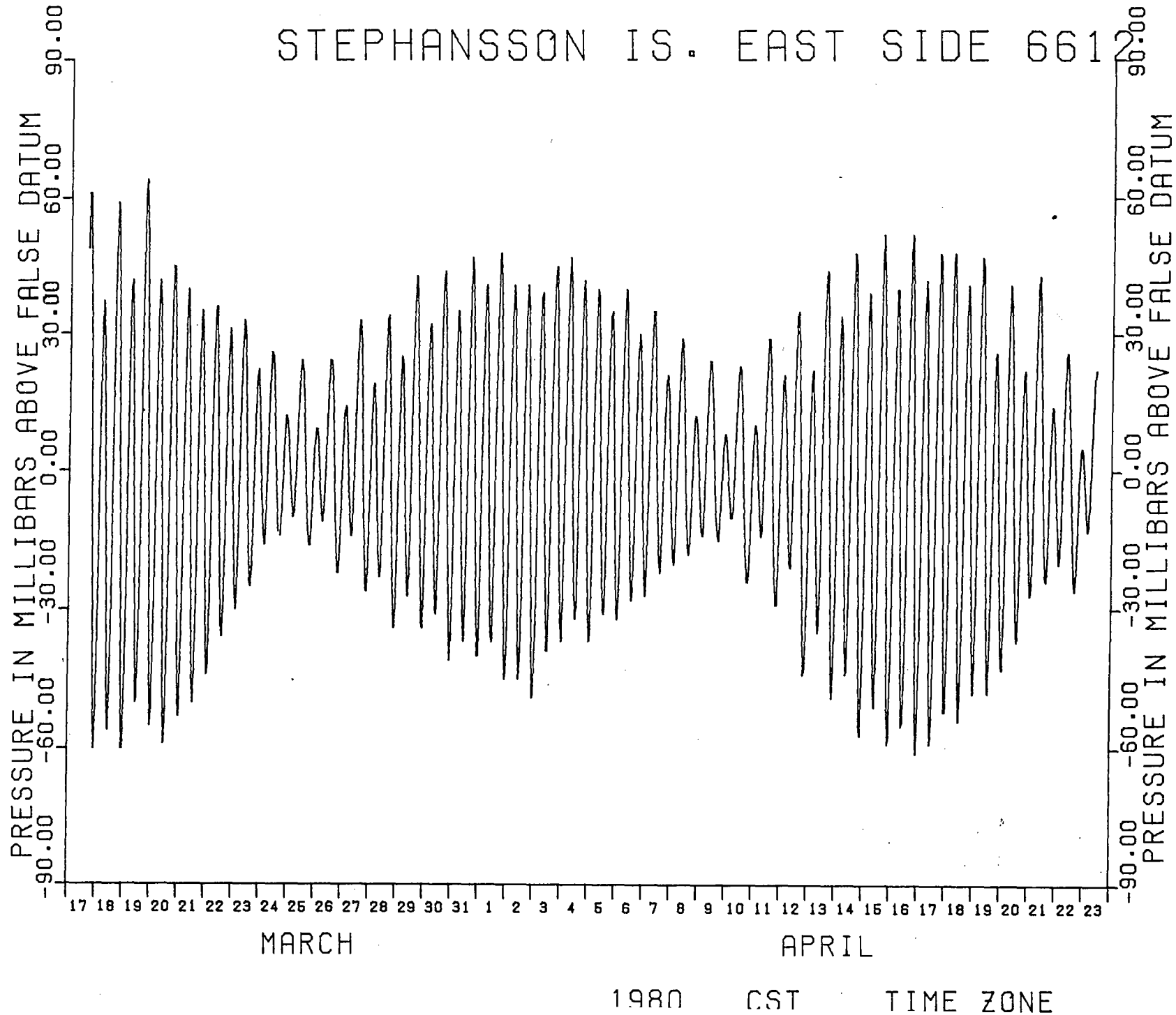
AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
52	2.13	117	1.49	184	.10	.34	.29	.44

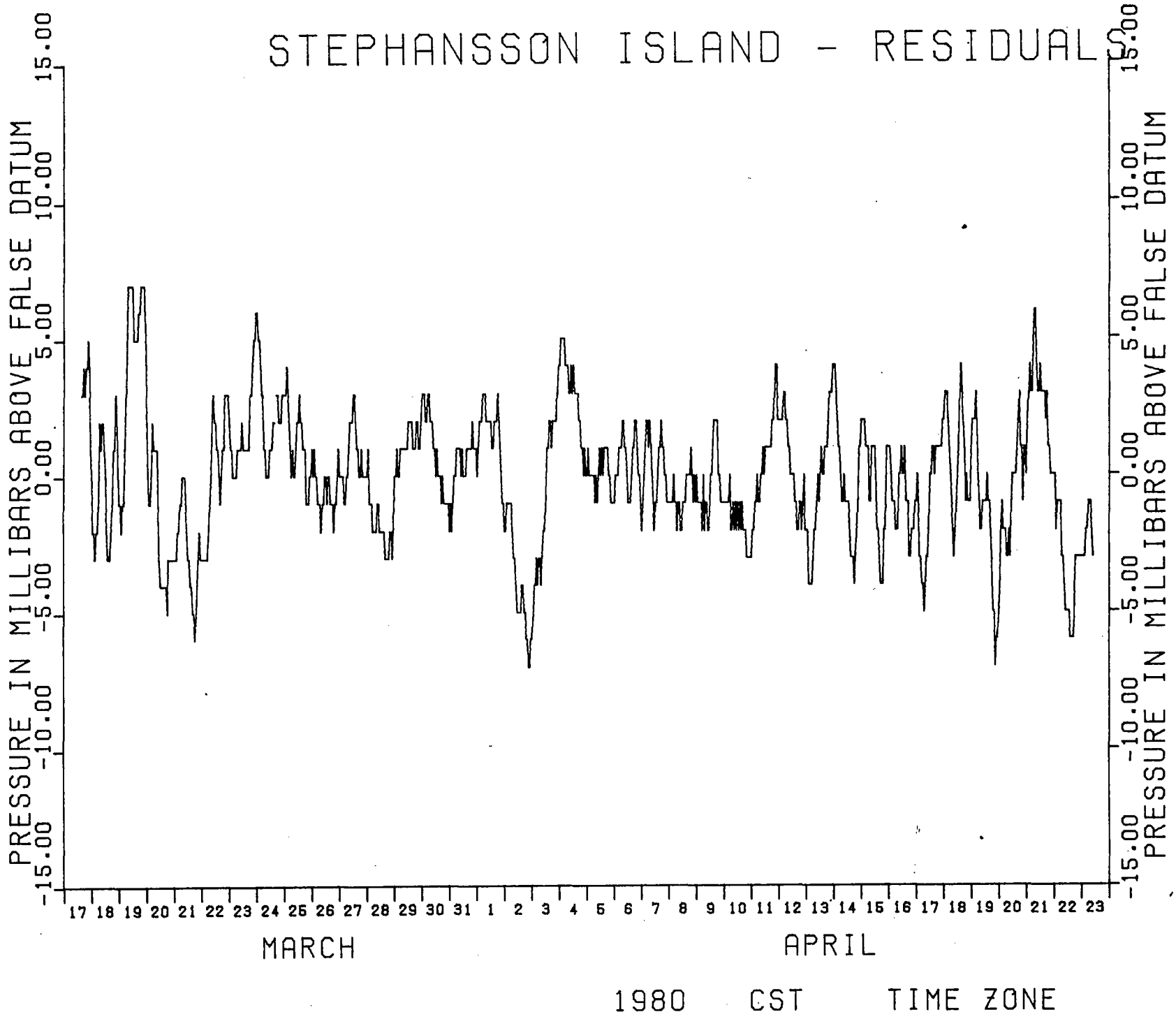
MEAN TIDES, TIMES AND HEIGHTS

1622	.43	357	.24	951	-.34	2252	-.35
HHW		LHW		HLW		LLW	

LARGE TIDES		RANGES	
.69	-.56	.79	1.24
HHW	LLW	MT	LT

AMPLITUDE VALUES ARE EXPRESSED IN DECIBARS
DATE AND TIME OF THE COMPUTER RUN 83/12/02. - 08.38.22.


HOURLY READINGS FOR
STEPHANSSON IS. EAST SIDE 6612
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
90.00
60.00
30.00
0.00
-30.00
-60.00
-90.00
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
MARCH
APRIL
1980 CST TIME ZONE


HOURLY READINGS FOR
STEPHANSSON ISLAND - RESIDUALS
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
15.00
10.00
5.00
0.00
-5.00
-10.00
-15.00
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
MARCH
APRIL
1980 CST TIME ZONE

JT DATA	IOUT1,	INOPE,	ICHK,	NSTRP,	KAYOPT	ZOFF	OBSFAC
	6	3	0	0	1.00000	0.00000	0.00000

FERENCE PAIRS

K1	.41780746 20E-01	P1	.41552537 10E-01	.31795	4.98000
S2	.83333333 30E-01	K2	.83561492 40E-01	.25131	7.60000

TION 66120 PRELIMINARY RESULTS

STITUENT	FREQUENCY	C	ERR	S	ERR
Z0	0.00000000	.002	.001	0.000	.000
MM	.00151215	.025	.001	-.015	.001
MSF	.00282193	-.003	.001	.018	.001
ALP1	.03439657	.000	.001	-.004	.001
2Q1	.03570635	.002	.001	.004	.001
Q1	.03721850	-.018	.001	-.007	.001
O1	.03873065	.044	.001	.004	.001
NO1	.04026859	.004	.001	.004	.001
K1	.04178075	-.046	.001	.010	.001
J1	.04329290	.002	.001	-.002	.001
OO1	.04483084	-.005	.001	.001	.001
UPS1	.04634299	.003	.001	-.001	.001
EPS2	.07617732	.001	.001	-.001	.001
MU2	.07768947	.001	.001	-.017	.001
N2	.07899925	.019	.001	.061	.001
M2	.08051140	-.248	.001	-.181	.001
L2	.08202355	-.007	.001	-.004	.001
S2	.08333333	-.141	.001	.082	.001
ETA2	.08507364	.002	.001	-.004	.001
MO3	.11924206	-.000	.001	.001	.001
M3	.12076710	-.000	.001	-.001	.001
MK3	.12229215	-.000	.001	-.000	.001
SK3	.12511408	-.001	.001	-.000	.001
MN4	.15951065	.000	.001	.001	.001
M4	.16102260	.000	.001	-.002	.001
SN4	.16233258	.000	.001	-.000	.001
MS4	.16384473	-.001	.001	.000	.001
S4	.16666667	-.000	.001	.000	.001
2MK5	.20280355	-.001	.001	-.000	.001
2SK5	.20844741	-.000	.001	.000	.001
2MN6	.24002205	-.000	.001	-.000	.001
M6	.24153420	.001	.001	-.000	.001
2MS6	.24435613	.000	.001	-.001	.001
2SM6	.24717807	-.000	.001	-.000	.001
3MK7	.28331495	.000	.001	-.000	.001
M8	.32204560	.000	.001	-.000	.001

MBER OF VALID DATA = 882 AVERAGE = -.00 STANDARD DEVIATION = .27

ORETICAL RMS = .03 MATRIX CONDITION = .35

OF THE RESIDUES= .02798

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 66120 15H 17/ 3/80 TO 10H 23/ 4/80

NO.OBS.= 884 NO.PTS.ANAL.= 884 MIDPT= 0H 5/ 4/80 SEPARATION =1.00

TIME ZONE= CST LATITUDE=73D 23M LONGITUDE=104D 28M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G	AL	GL
1	Z0	0.00000000	380-	480	.0021	0.00	.0021	0.00
2	MM	.00151215	380-	480	.0288	218.58	.0288	328.75
3	MSF	.00282193	380-	480	.0185	213.05	.0185	100.14
4	ALP1	.03439657	380-	480	.0049	65.84	.0042	274.61
5	2Q1	.03570635	380-	480	.0049	78.56	.0041	62.38
6	Q1	.03721850	380-	480	.0227	103.46	.0191	200.07
7	O1	.03873065	380-	480	.0529	156.19	.0445	.82
8	NO1	.04026859	380-	480	.0045	239.32	.0056	47.60
9	K1	.04178075	380-	480	.0542	265.49	.0492	167.67
10	J1	.04329290	380-	480	.0035	299.23	.0029	320.00
11	OO1	.04483084	380-	480	.0075	30.61	.0052	170.61
12	UPS1	.04634299	380-	480	.0059	86.55	.0036	336.62
13	EPS2	.07617732	380-	480	.0010	203.38	.0010	312.44
14	MU2	.07768947	380-	480	.0162	47.57	.0166	273.30
15	N2	.07899925	380-	480	.0620	72.77	.0634	72.71
16	M2	.08051140	380-	480	.2975	101.79	.3078	216.02
17	L2	.08202355	380-	480	.0075	195.29	.0079	210.98
18	S2	.08333333	380-	480	.1639	149.77	.1636	149.71
19	ETA2	.08507364	380-	480	.0057	184.81	.0039	294.00
20	MO3	.11924206	380-	480	.0008	161.14	.0007	124.00
21	M3	.12076710	380-	480	.0008	91.95	.0006	266.00
22	MK3	.12229215	380-	480	.0001	213.49	.0001	228.89
23	SK3	.12511408	380-	480	.0008	278.87	.0007	180.99
24	MN4	.15951065	380-	480	.0007	307.71	.0008	61.88
25	M4	.16102280	380-	480	.0014	45.00	.0015	273.45
26	SN4	.16233258	380-	480	.0003	338.87	.0004	338.75
27	MS4	.16384473	380-	480	.0007	36.45	.0007	150.63
28	S4	.16666667	380-	480	.0003	113.76	.0003	113.65
29	2MK5	.20280355	380-	480	.0007	79.00	.0007	209.64
30	2SK5	.20844741	380-	480	.0004	265.96	.0004	168.02
31	2MN6	.24002205	380-	480	.0002	1.90	.0002	230.30
32	M6	.24153420	380-	480	.0007	344.57	.0008	327.26
33	2MS6	.24435613	380-	480	.0009	55.31	.0010	283.71
34	2SM6	.24717807	380-	480	.0004	81.69	.0004	195.91
35	3MK7	.28331495	380-	480	.0000	59.53	.0000	30-.39
36	M8	.32204560	380-	480	.0002	204.33	.0002	301.24

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 66120 15H 17/ 3/80 TO 10H 23/ 4/80

NO.OBS.= 884 NO.PTS.ANAL.= 884 MIDPT= 0H 5/ 4/80 SEPARATION =1.00

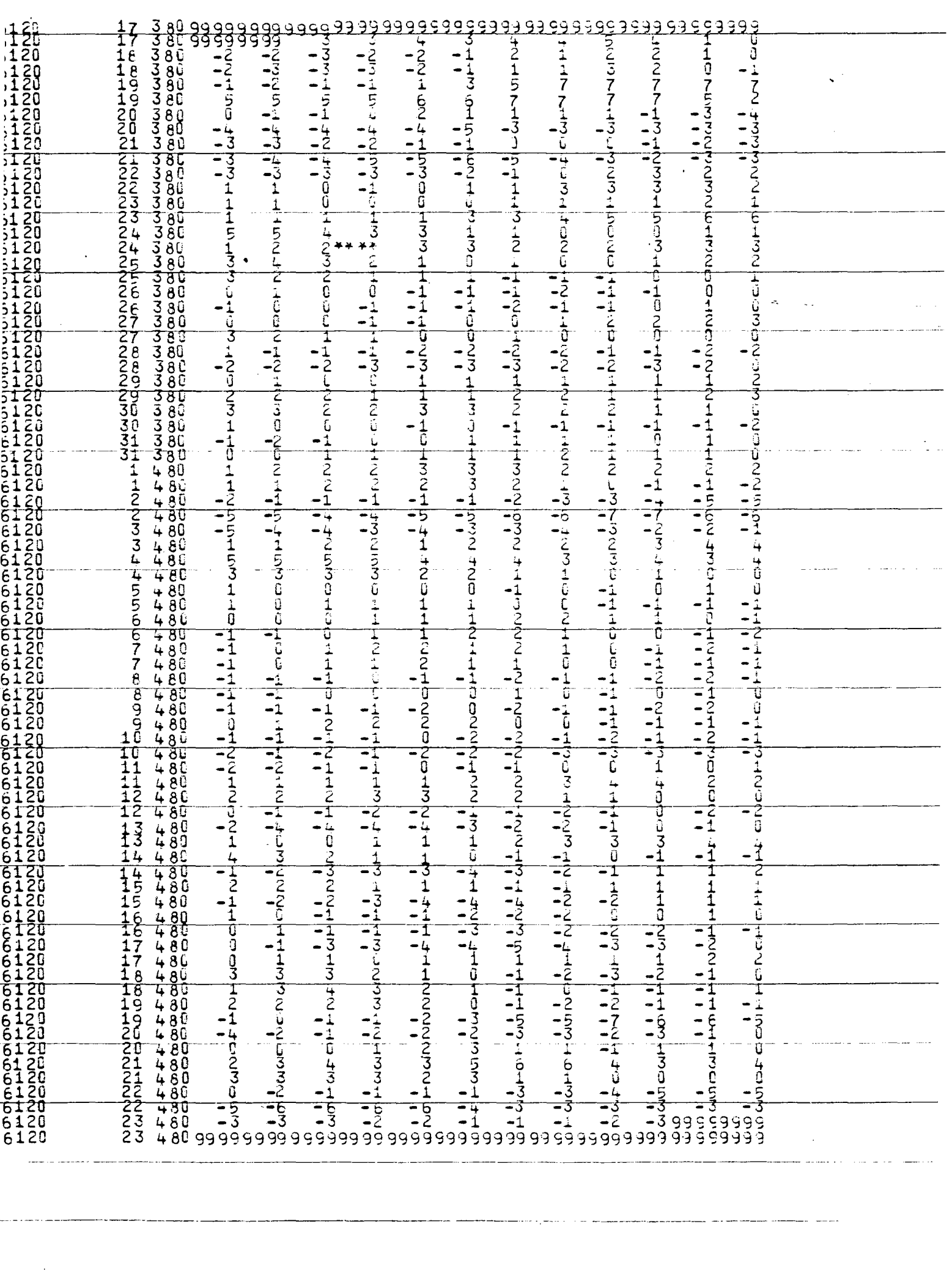
TIME ZONE= CST LATITUDE=73D 23M LONGITUDE=10.D 28M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/ M-Y	A	G		AL	GL
1	Z0	0.00000000	380- 480	.0021	0.00		.0021	0.00
2	MM	.00151215	380- 480	.0288	218.58		.0288	323.75
3	MSF	.00282193	380- 480	.0185	213.05		.0185	160.14
4	ALP1	.03439657	380- 480	.0049	65.84		.0042	274.61
5	2Q1	.03570635	380- 480	.0049	78.56		.0041	62.88
6	Q1	.03721850	380- 480	.0227	103.46		.0191	200.07
7	O1	.03873065	380- 480	.0529	156.19		.0445	4.82
8	NO1	.04026859	380- 480	.0045	239.32		.0056	47.60
9	P1	.04155259	380- 480	.0250	268.52	INF FR K1	.0252	12.32
10	K1	.04178075	380- 480	.0787	273.42		.0713	175.60
11	J1	.04329290	380- 480	.0035	299.23		.0029	320.00
12	001	.04483084	380- 480	.0075	30.61		.0052	170.61
13	UPS1	.04634299	380- 480	.0059	86.55		.0036	336.62
14	EPS2	.07617732	380- 480	.0010	203.38		.0010	315.44
15	MU2	.07768947	380- 480	.0162	47.57		.0166	273.30
16	N2	.07899925	380- 480	.0620	72.77		.0634	72.71
17	M2	.08051140	380- 480	.2975	101.79		.3070	216.02
18	L2	.08202355	380- 480	.0075	195.29		.0079	210.98
19	S2	.08333333	380- 480	.1398	153.43		.1396	153.37
20	K2	.08356149	380- 480	.0351	145.83	INF FR S2	.0277	129.56
21	ETA2	.08507364	380- 480	.0057	184.81		.0039	294.00
22	MO3	.11924206	380- 480	.0008	161.14		.0007	124.00
23	M3	.12076710	380- 480	.0008	91.95		.0006	263.00
24	MK3	.12229215	380- 480	.0001	213.49		.0001	223.69
25	SK3	.12511408	380- 480	.0008	278.87		.0007	180.99
26	MN4	.15951065	380- 480	.0007	307.71		.0003	61.88
27	M4	.16102280	380- 480	.0014	45.00		.0015	273.45
28	SN4	.16233258	380- 480	.0003	338.87		.0004	338.75
29	MS4	.16384473	380- 480	.0007	36.45		.0007	150.63
30	S4	.16666667	380- 480	.0003	113.76		.0003	113.65
31	2MK5	.20280355	380- 480	.0007	79.00		.0007	209.66
32	2SK5	.20844741	380- 480	.0004	265.96		.0004	168.02
33	2MN6	.24002205	380- 480	.0002	1.90		.0002	230.30
34	M6	.24153420	380- 480	.0007	344.57		.0008	327.26
35	2MS6	.24435613	380- 480	.0009	55.31		.0010	263.71
36	2SM6	.24717807	380- 480	.0004	81.69		.0004	195.81
37	3MK7	.28331495	380- 480	.0000	59.53		.0002	304.39
38	M8	.32264560	380- 480	.0002	204.33		.0002	301.24

AFTER INFERENCE, RMS(RESID ERROR)= .02525

TITUENT ALP1 IS NOT IN ICTAB TABLE
TITUENT UPS1 IS NOT IN ICTAB TABLE
TITUENT EPS2 IS NOT IN ICTAB TABLE
TITUENT ETA2 IS NOT IN ICTAB TABLE
TITUENT 2MK5 IS NOT IN ICTAB TABLE
TITUENT 2SK5 IS NOT IN ICTAB TABLE
TITUENT 3MK7 IS NOT IN ICTAB TABLE

120	STEPHANSSON IS. EAST	CST	73 23 104 26 1 X 36	480 N		5560
120	2	0	CST	480	Z0	0
120	53	1562	CST	480	O1	1
120	79	2734	CST	480	K1	2
120	298	1018	CST	480	M2	3
120	140	1534	CST	480	S2	4
120	1	450	CST	480	M4	5
120	1	365	CST	480	MS4	6
120	62	726	CST	480	N2	8
120	29	2136	CST	480	MM	10
120	23	1035	CST	480	Q1	12
120	3	2992	CST	480	J1	13
120	8	306	CST	480	OO1	14
120	16	476	CST	480	MU2	15
120	7	1953	CST	480	L2	16
120	5	2393	CST	480	NO1	17
120	1	3077	CST	480	MN4	18
120	0	2043	CST	480	M8	19
120	5	658	CST	480	ALF1	21
120	5	786	CST	480	2Q1	22
120	25	2685	CST	480	P1	28
120	6	865	CST	480	UPS1	33
120	1	2034	CST	480	EPS2	35
120	35	1458	CST	480	K2	44
120	6	1846	CST	480	ETA2	45
120	1	920	CST	480	M3	46
120	1	1611	CST	480	MO3	50
120	0	2135	CST	480	MK3	52
120	1	2739	CST	480	SK3	53
120	0	3389	CST	480	SN4	54
120	0	1138	CST	480	S4	56
120	1	790	CST	480	2MK5	58
120	0	2660	CST	480	2SK5	59
120	0	19	CST	480	2MN6	60
120	1	3446	CST	480	M6	61
120	1	553	CST	480	2MS6	62
120	0	817	CST	480	2SM6	64
120	0	595	CST	480	3MK7	66
120	18	2130	CST	480	MSF	68



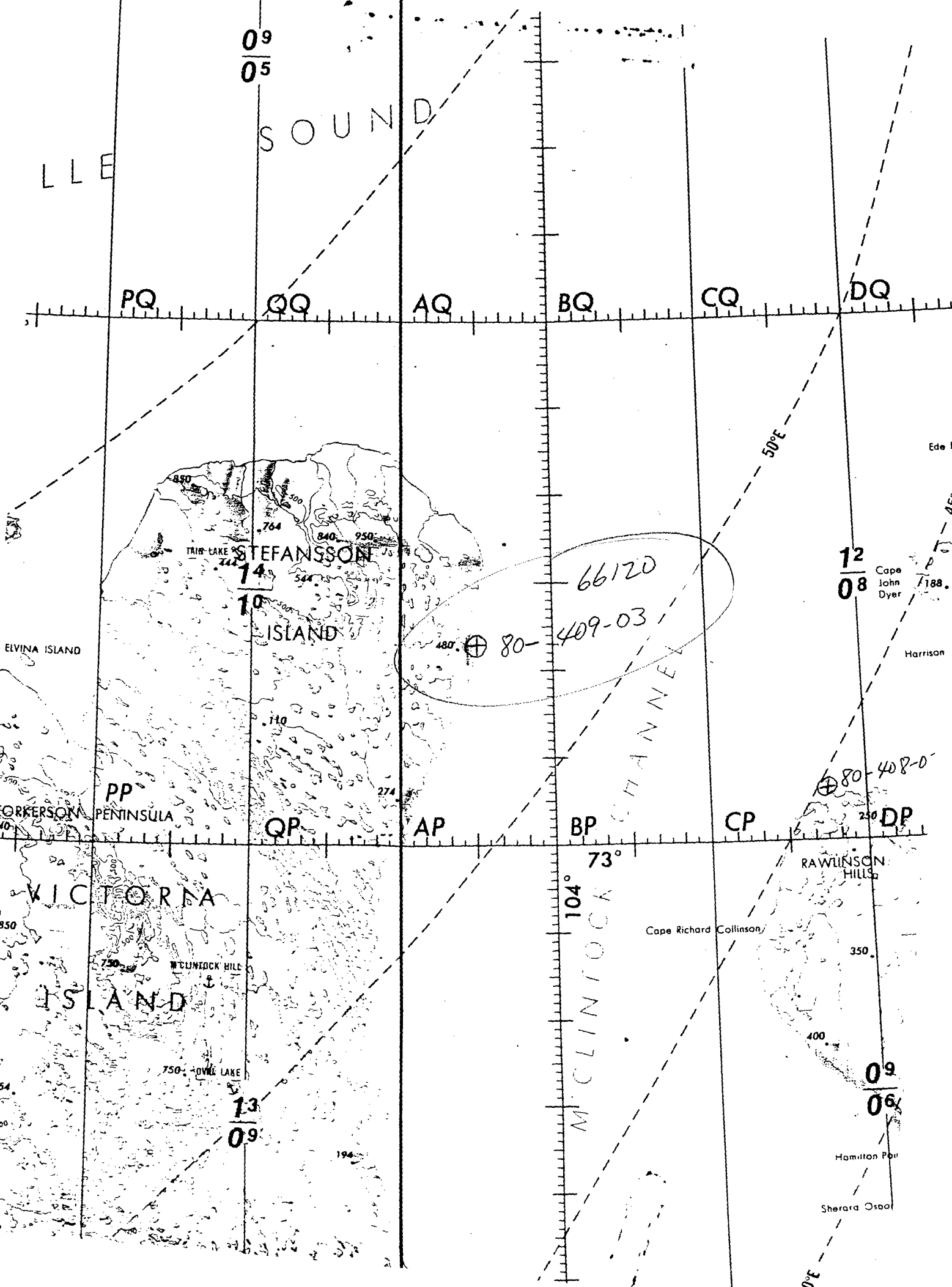
STEPHANSSON ISLAND EAST SIDE - 73 23 N 104 28 W

DATA ARE REFERRED TO CST (+6) TIME ZONE

DATA ARE WATER LEVELS IN MILLIBARS

REFERENCE LEVEL IS ZO (MEAN PRESSURE)

120	17	380	99999999999999999999999999999999999999999999999999											
120	17	380	99999999	49	61	61	45	21	-8	-34	-53	-60	-52	
120	18	380	-33	-8	15	32	37	30	13	-12	-35	-51	-56	-47
120	18	380	-26	1	29	49	59	54	36	9	-19	-44	-60	-60
120	19	380	-45	-23	4	26	40	42	31	10	-15	-37	-50	-49
120	19	380	-36	-12	17	43	60	64	54	32	4	-23	-44	-55
120	20	380	-51	-34	-9	15	35	42	37	21	-3	-29	-46	-59
120	20	380	-54	-37	-13	13	34	45	45	32	10	-15	-37	-51
120	21	380	-53	-42	-22	1	22	36	40	32	14	-9	-30	-45
120	21	380	-50	-41	-20	-7	14	28	35	32	19	6	-21	-37
120	22	380	-44	-42	-29	-11	3	25	35	36	28	13	-6	-22
120	22	380	-33	-36	-30	-17	0	16	27	31	26	14	-1	-16
120	23	380	-27	-30	-26	-15	0	15	27	33	31	23	11	-4
120	23	380	-15	-24	-25	-21	-11	2	12	20	22	18	11	1
120	24	380	-8	-14	-16	-13	-5	4	15	22	26	25	20	12
120	24	380	2	-6	-19999	-14	-9	-3	4	9	12	11	8	3
120	25	380	3	-2	-7	-10	-9	-5	2	9	16	22	24	22
120	25	380	15	10	2	-7	-13	-15	-16	-12	-6	1	5	9
120	26	380	9	7	2	-4	-9	-11	-9	-5	3	11	19	24
120	26	380	24	21	14	4	-7	-16	-22	-22	-18	-9	0	7
120	27	380	13	14	12	5	-3	-10	-14	-13	-7	2	13	24
120	27	380	31	33	28	19	5	-8	-19	-26	-26	-20	-9	2
120	28	380	16	18	19	13	3	-8	-18	-23	-22	-13	-1	13
120	28	380	25	33	34	27	14	-2	-18	-29	-34	-31	-20	-5
120	29	380	9	21	29	23	14	1	-13	-23	-27	-22	-10	7
120	29	380	24	37	43	40	29	12	-6	-22	-33	-34	-25	-10
120	30	380	7	22	31	32	25	11	-6	-21	-30	-31	-22	-8
120	30	380	14	30	42	44	36	21	0	-20	-35	-41	-36	-23
120	31	380	-4	14	28	35	31	19	1	-17	-31	-37	-32	-18
120	31	380	2	22	39	47	44	31	11	-10	-29	-40	-40	-30
120	1	480	-10	11	29	40	41	31	14	-7	-25	-36	-37	-26
120	1	480	-9	13	33	46	48	40	21	-2	-24	-34	-35	-25
120	2	480	-22	0	20	35	41	36	20	-1	-22	-33	-45	-40
120	2	480	-25	-4	18	34	41	37	22	1	-22	-40	-49	-47
120	3	480	-34	-13	9	23	38	39	28	9	-11	-28	-38	-39
120	3	480	-27	-9	13	32	43	45	36	19	-2	-21	-33	-37
120	4	480	-29	-12	9	28	42	47	41	26	6	-12	-27	-32
120	4	480	-29	-15	3	22	36	42	38	25	6	-13	-29	-37
120	5	480	-34	-23	-5	15	31	40	39	30	13	-5	-20	-30
120	5	480	-31	-24	-8	9	25	34	35	28	13	-4	-20	-30
120	6	480	-32	-25	-11	7	23	35	40	36	23	7	-6	-22
120	6	480	-29	-26	-16	-2	13	25	38	37	28	15	-1	-22
120	7	480	-27	-24	-14	0	15	27	35	35	28	15	1	-11
120	7	480	-20	-22	-18	-10	2	12	19	21	18	9	-1	-11
120	8	480	-18	-20	-17	-8	3	15	23	29	26	21	12	1
120	8	480	-9	-16	-18	-16	-10	-2	5	11	12	11	5	-1
120	9	480	-8	-13	-14	-12	-6	4	12	20	24	24	20	14
120	9	480	5	-3	-10	-14	-15	-12	-8	-2	3	7	8	6
120	10	480	2	-3	-7	-10	-10	-8	-2	7	14	21	23	22
120	10	480	16	8	-3	-12	-20	-24	-24	-20	-13	-4	3	8
120	11	480	10	8	3	-4	-10	-14	-13	-7	2	13	22	29
120	11	480	29	25	15	2	-12	-23	-29	-29	-22	-11	0	11
120	12	480	19	21	17	9	-2	-13	-20	-21	-14	-3	12	25
120	12	480	34	35	29	15	-3	-20	-35	-44	-42	-32	-18	-1
120	13	480	13	21	22	14	1	-14	-27	-35	-33	-22	-5	15
120	13	480	33	43	44	35	17	-5	-26	-42	-49	-44	-29	-9
120	14	480	11	27	34	31	18	-1	-22	-38	-44	-40	-25	-3
120	14	480	21	39	48	46	32	8	-17	-40	-55	-57	-47	-27
120	15	480	-3	19	35	39	32	14	-11	-33	-47	-51	-42	-22
120	15	480	3	27	45	52	45	26	0	-26	-49	-59	-57	-42
120	16	480	-19	6	27	40	40	27	4	-21	-42	-55	-54	-42
120	16	480	-18	10	33	46	52	40	18	-9	-35	-55	-61	-53
120	17	480	-33	-8	16	35	42	33	19	-5	-30	-50	-59	-54
120	17	480	-37	-11	15	36	48	47	33	10	-16	-39	-52	-52
120	18	480	-39	-16	9	32	46	48	38	17	-6	-32	-46	-54
120	18	480	-46	-27	-3	19	35	41	35	20	-2	-25	-42	-48
120	19	480	-42	-26	-4	20	38	47	45	32	11	-11	-31	-44
120	19	480	-48	-39	-23	-3	14	25	26	19	3	-15	-32	-42
120	20	480	-43	-34	-17	2	21	35	41	37	25	6	-11	-26
120	20	480	-36	-37	-29	-15	1	19	31	32	24	4	-10	-22
120	21	480	-27	-25	-16	-3	13	29	40	43	37	25	11	-3
120	21	480	-16	-23	-24	-19	-10	1	9	14	13	9	1	-8
120	22	480	-15	-20	-18	-12	-2	9	18	25	26	22	14	4
120	22	480	-7	-17	-24	-26	-23	-16	-8	-1	5	5	4	0
120	23	480	-5	-10	-13	-12	-8	-1	7	14	20	22	99999999	
120	23	480	99999999999999999999999999999999999999999999999999											


LLE
SOUND
PQ
QQ
AQ
BQ
CQ
DQ
PP
QP
AP
BP
CP
DP
09/05
STEFANSSON
ISLAND
14/10
12/08
Cape John Dyer
ELVINA ISLAND
TRIN LAKE
66120
409-03
80-
408-0
50°E
Harrison
PENINSULA
VICTORIA
ISLAND
M'CLINTOCK HILL
M'CLINTOCK CHANNEL
73°
104°
RAWLINSON HILLS
Cape Richard Collinson
13/09
09/06
Hamilton Por
Sherard Osbor

GAUGE DATA: SERIAL NO. 409 CALIBRATION DATE: MAY 26, 1980 RBJ
MODEL WLR5
* RANGE (MILLIBARS) 6895.0

AMBIENT CONDITIONS: TEMPERATURE (DEG. C) START: 23.90 FINISH: 24.30
PRESSURE (MILLIBARS) START: 1007.60 FINISH: 1007.50

THIRD ORDER COEFFICIENTS ARE:

-.69306692D+04 .29324416D-01 -.14525813D-07 .464654500-14

R.M.S. ERROR = 1.16006
% FULL SCALE = .01682

*****TEST RESULTS*****

AANDERAA COUNT CH. 1	CH. 2	AANDERAA FULLWORD	TEXAS I. READING	AMBIENT PRESSURE	PRESSURE IN MILLIBARS	PRESSURE BY APPROXIMATION	CURVE DEVIATION	% FULL SCALE ERR.
307	539	314907.	0.000	1007.61	1007.61	1008.43	-.82	-.012
340	534	348694.	1.746	1007.57	1726.79	1725.42	1.37	.020
373	391	382343.	3.425	1007.62	2418.45	2417.55	.90	.013
406	79	415823.	5.047	1007.62	3086.59	3085.54	1.05	.015
441	146	451730.	6.730	1007.61	3779.85	3780.23	-.38	-.006
475	1	486401.	8.308	1007.59	4429.84	4430.86	-1.02	-.015
514	254	526590.	10.084	1007.58	5162.93	5161.81	1.12	.016
553	45	566317.	11.782	1007.53	5863.83	5861.54	2.30	.033
595	282	609562.	13.560	1007.51	6597.78	6599.49	-1.71	-.025
553	780	567052.	11.810	1007.48	5875.34	5874.28	1.06	.015
515	470	527830.	10.135	1007.47	5183.87	5183.98	-.11	-.002
477	778	489226.	8.432	1007.43	4480.82	4483.03	-2.21	-.032
440	333	450893.	6.690	1007.44	3763.20	3764.28	-1.09	-.016
404	311	414007.	4.958	1007.46	3049.77	3049.82	-.05	-.001
371	963	380867.	3.350	1007.46	2387.40	2387.64	-.23	-.003
340	298	348458.	1.732	1007.46	1720.91	1720.49	.42	.006
307	524	314892.	0.000	1007.51	1007.51	1008.10	-.59	-.009

AANDERAA TIDE GAUGE

DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 409 82

TIME ZONE USED: GST (+6)

SAMPLING INTERVAL: 15 min

INTEGRATION TIME: _____

PREPARATION

INITIALIZATION DATE(DMY): 16/03/80

TIME RESET: _____

FIRST FIRE: 1615

THREAD TAPE: 1619

FIRST READING ON TAPE: 1615

SECOND READING ON TAPE: 1630

DIGI-PRINTER READINGS:

TIME	READINGS
1630	97
	1
	308
	166
1700	97
	1
	8
	371

TIME	READINGS
	3[illegible]
	[illegible]
	[illegible]

DEPLOYMENT

DEPLOYMENT DATE(DMY): 17/03/80

TIME IN WATER: 1408

TIME ON BOTTOM: 1413

(017)

LOCATION

LAT: 73° 23'

LONG: 104° 37'

OTHER: Stephansen Island East.

RECOVERY

RECOVERY DATE(DMY): 23/04/80

TIME LEFT BOTTOM: 1030

TIME OUT OF WATER: 1032

TIME OF LAST FIRE: 2215

DIGI-PRINTER READINGS:

TIME 2130	TIME 2145
READINGS 97	READINGS 97
126	126
308	308
307	310
TIME 2200	**TIME 2215**
READINGS 97	READINGS 97
126	126
308	308
300	302

REMARKS AND OBSERVATIONS

BATTERY CHECK: 8.76 DCV NO LOAD
8.75 DCV under Load

Gauge is located due east of decca green on Stefansson Island on a round ice pan ~ ½ mile from shore ~~from shore~~.

Apr 23 180
409 2130

2130

2145

2200

2215

FORM 1

DATE NOV. 29/83

TEMPORARY DEPLOYMENT WORK SHEET,
DATA SHEET AND PROCESSING SUMMARY
FOR 80-409-03

A. SUMMARY OF INFORMATION RECEIVED

ANALOGUE RECORDS		COMPARISON FORM	
1/4" MAGNETIC TAPE	✓	DEPLOYMENT FORM	✓
EPROM		CALIBRATION FORM	✓
LEVELLING NOTES		502 FORM	
LOCATION MAP	✓	B. M PHOTOGRAPHS	

B. GENERAL INFORMATION

LOCATION Stephansson Island - East side
LATITUDE 73 23 N
LONGITUDE 104 28 W
TIME ZONE OF OBSERVATIONS CST (+6)
PERIOD OF RECORD: START(HHMM/DD/MM/YY) 1500/17/03/80
END (HHMM/DD/MM/YY) 1000/23/04/80
NO. OF DAYS OF DATA 36
NO. OF DAYS ANALYSED 36

C. PRODUCTION HISTORY

DATE RECEIVED
DATE PROCESSING COMPLETED Dec 9/83
DATE CHECKING COMPLETED
DATE SENT TO H.Q.
DATE SENT TO MEDS
DATE RETURNED FROM MEDS
DATE FILE COMPLETED

Date 10/07/81

FORM 3

PROCESSING CHECKLIST FOR SUBMERSIBLE TIDE GAUGE
AT 80-409-03

1. Gauge data: Model WLR5 Range 0-60 m

Sampling interval 15 min Integration time _____

Calibration: Pressure: Date May 26/1980 Units MB

Coefficients -.693067E+04 a _____

.293244E-01 b _____

-.145258E-07 t_o _____

.464655E-14

Temperature : Date _____ Baseword _____

Coefficients _____

2. Processing data:

Translator CCIW

First data on Tape (time and day) 1615 / 15 / 03 / 80 (075)

First pressure words and time after deployment 587 350 (1415 / 077)

First pressure words & time after recovery 308 401 (1045 / 114)

3. Results: 1. Pressure - maximum 5480.56 mB minimum 5354.18 mB
range 126.38 mB offset 5300 + 116

2. Plots data - hourly ✓ residuals ✓

3. Processing problems

no problems.

4. Master Filing _____

80-409-03 66120 Stephansson Is.
East side

- monitor checks okay & confirms time of first sample as 1615/075

- Deployed - time 1408-1413 on 077
  - first good sample on analysis at 1415/077

- Recovery -
  end monitor okay & gives time of last good sample as 1030/114
  - analysis gives time of last good sample as 1030/114

- ∴ Turning okay.

88-406-62

66124

STATION NUMBER	NAME	ZONE	LAT	LONG	ANALYSIS LENGTH	C.T.
66124	MINTO HEAD	CS	7306 NORTH	10215 WEST	37 DAYS	460 MOYR

REFERENCE STATION - 5560

Z0 .008 (C.T. 460)

CONSTITUENT	AMPLITUDE	PHASE	CONSTITUENT	AMPLITUDE	PHASE
MM	.028	224.9	MSF	.021	206.6
2Q1	.005	96.3	Q1	.021	120.4
O1	.047	180.5	NO1	.005	267.1
P1	.026	289.1	K1	.083	294.0
J1	.004	319.3	OO1	.007	49.0
MU2	.013	36.7	N2	.037	70.1
M2	.187	95.4	L2	.004	222.1
S2	.102	144.9	K2	.026	137.3
NO3	.001	177.9	M3	.001	106.9
MK3	.001	241.2	SK3	.001	292.4
MN4	.001	353.9	M4	.002	23.3
MS4	.001	82.3			
2MN6	.001	85.5	M6	.001	96.2
2MS6	.002	156.0	2SM6	.001	234.5
M8	.001	294.4			

GMT 269.30

AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
49	1.83	114	1.77	212	.10	.22	.45	.32

MEAN TIDES, TIMES AND HEIGHTS

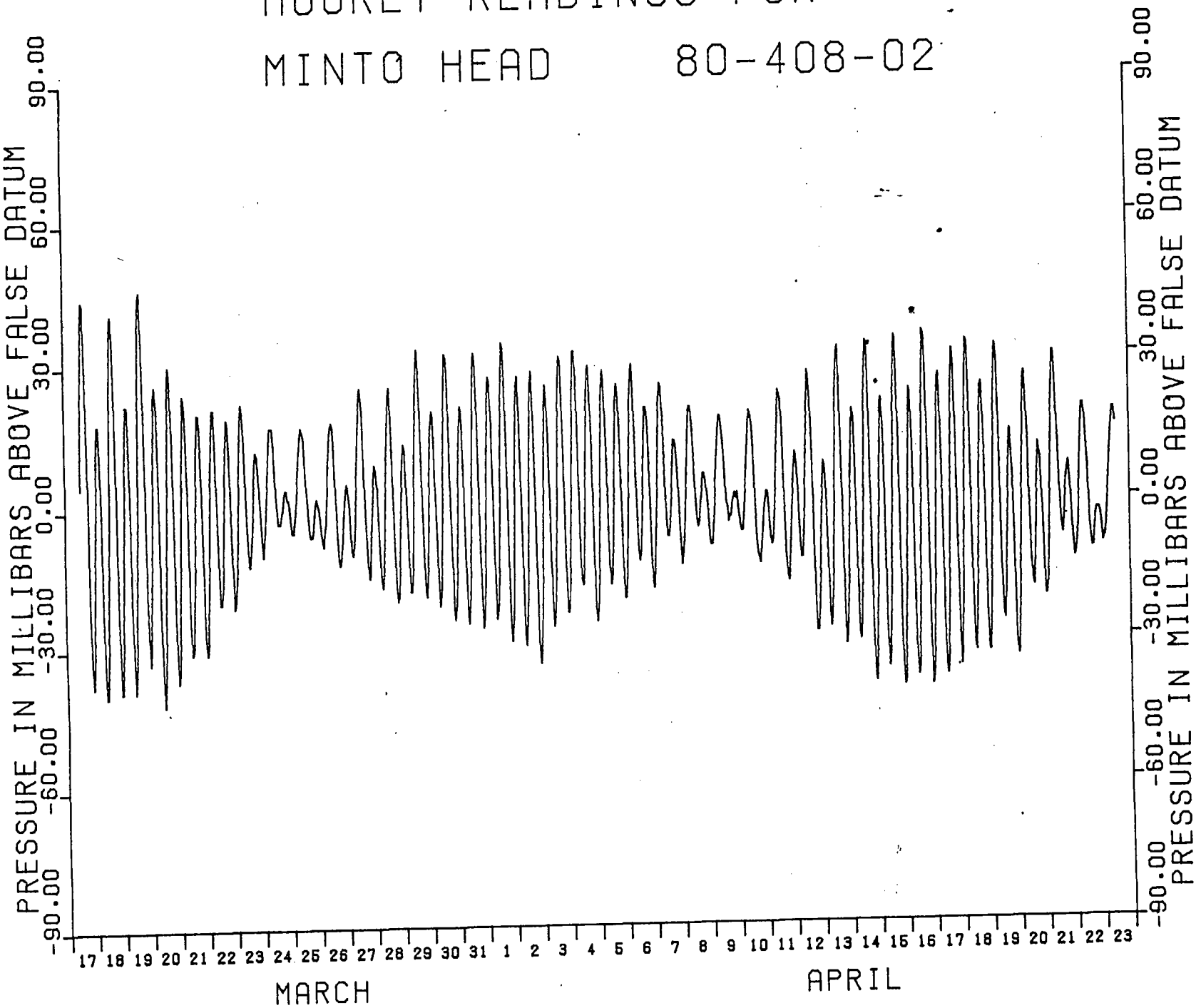
1624	.31	334	.14	2252	-.18	937	-.26
HHW		LHW		HLW		LLW	

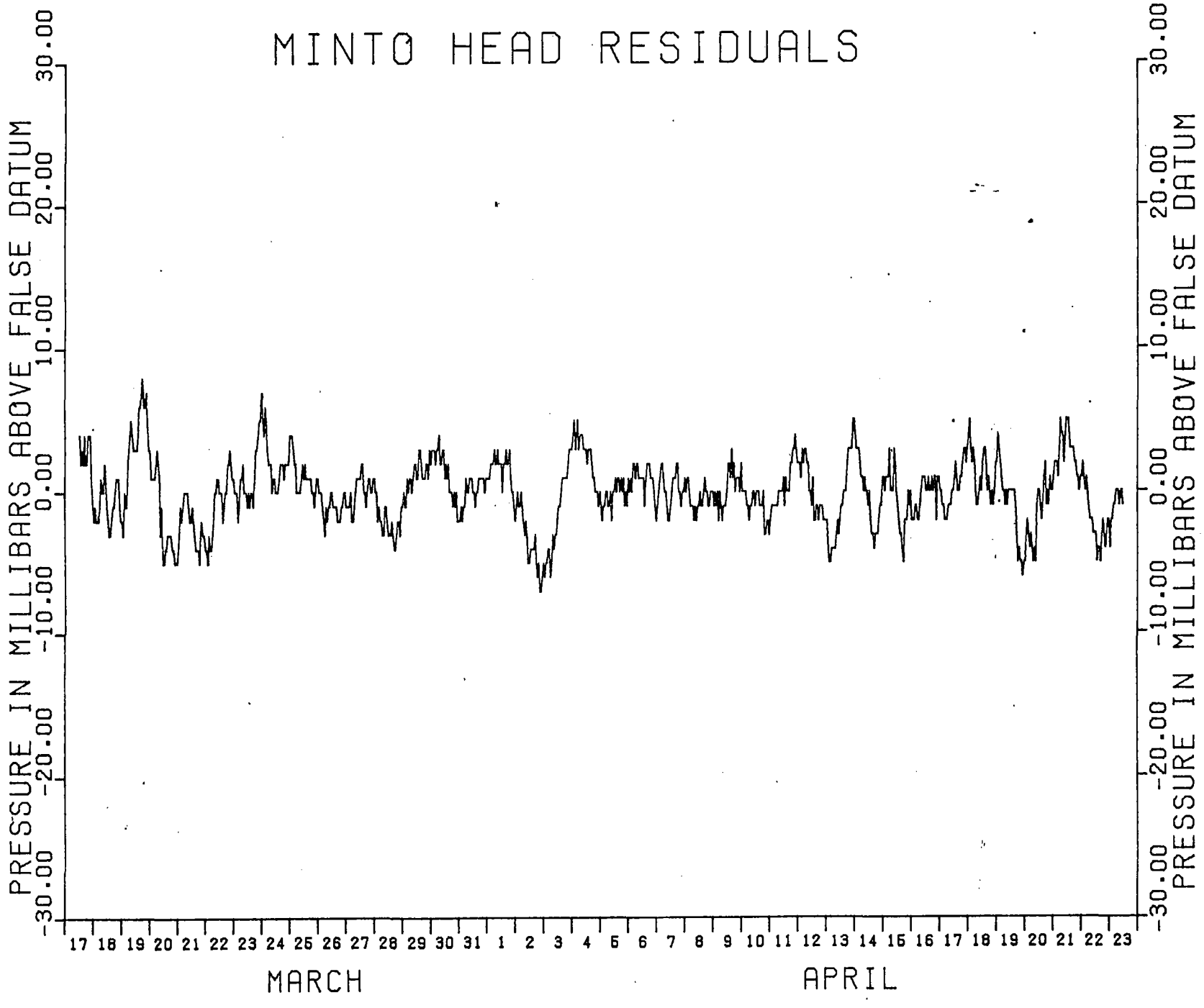
LARGE TIDES		RANGES	
.48	-.45	.58	.94
HHW	LLW	MT	LT

AMPLITUDE VALUES ARE EXPRESSED IN DECIBARS
DATE AND TIME OF THE COMPUTER RUN 83/11/30. - 11.49.15.

HOURLY READINGS FOR

MINTO HEAD 80-408-02




HOURLY READINGS FOR
MINTO HEAD RESIDUALS
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
30.00
20.00
10.00
0.00
-10.00
-20.00
-30.00
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
MARCH
APRIL
1980 GST TIME ZONE

UT DATA IOUT1.IN OPR. ICHK,NSTRP. SAYOPT ZOFF OBSFAC
0 2 0 3 1.000000 0.000000 0.000000

IFERENCE PAIRS

K1	.417827462 0E-01	P1	.4155253710E-01	.31795	4.90000
S2	.8333333330E-01	K2	.8356149240E-01	.25131	7.60000

ATION 66124 PRELIMINARY RESULTS

	NSTITUENT	FREQUENCY	C	ERR	S	ERR
	Z0	0.000000000	.008	.001	0.000	.000
	MM	.001512155	.025	.001	-.012	.001
	MSF	.002821935	-.001	.001	.021	.001
	ALP1	.034396575	.001	.001	-.004	.001
	2Q1	.035706355	.001	.001	.004	.001
	Q1	.037218500	-.014	.001	-.011	.001
	O1	.038730655	.035	.001	.019	.001
	NO1	.040268595	.002	.001	.006	.001
	K1	.041780755	-.052	.001	-.007	.001
	J1	.043292900	.003	.001	-.001	.001
	OO1	.044830840	-.005	.001	-.001	.001
	UPS1	.046342995	.000	.001	-.000	.001
	EPS2	.076177320	-.000	.001	.001	.001
	MU2	.077689470	-.001	.001	-.013	.001
	N2	.078999250	.013	.001	.036	.001
	M2	.080511400	-.167	.001	.995	.001
	L2	.082023550	-.002	.001	-.004	.001
	S2	.083333330	-.093	.001	.075	.001
	ETA2	.085073640	.000	.001	-.000	.001
	MO3	.119242060	-.001	.001	.001	.001
	M3	.120767100	.000	.001	-.001	.001
	MK3	.122292150	-.000	.001	-.001	.001
	SK3	.125114080	-.001	.001	-.000	.001
	MN4	.159510855	-.000	.001	.000	.001
	M4	.161022800	-.001	.001	-.002	.001
	SN4	.162332250	.000	.001	-.000	.001
	MS4	.163844730	-.001	.001	-.000	.001
	S4	.166666670	.000	.001	.000	.001
	2MK5	.202803550	-.001	.001	-.000	.001
	2SK5	.208447410	-.000	.001	.000	.001
	2MN6	.240022350	.001	.001	-.000	.001
	M6	.241534200	.000	.001	.001	.001
	2MS6	.244356130	.002	.001	.001	.001
	2SM6	.247178070	.001	.001	-.000	.001
	3MK7	.283314950	-.000	.001	.000	.001
	M8	.322045600	.001	.001	.000	.001

MBER OF VALID DATA = 687 AVERAGE = .00 STANDARD DEVIATION = .18

EORETICAL RMS = .03 MATRIX CONDITION = .34

S OF THE RESIDUES= .02635

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 66124 13H 17/ 3/80 TO 12H 23/ 4/80

NO.OBS.= 888 NO.PTS.ANAL.= 883 MIDPT= 0H 5/ 4/80 SEPARATION =1.00

TIME ZONE= CST LATITUDE=73D 6M LONGITUDE=162D 15M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G	AL	GL
1	Z0	0.00000000	3[illegible]	4[illegible]	.0083	0.00	.0083	0.00
2	MM	.00151215	3[illegible]	4[illegible]	.0278	224.91	.0278	335.08
3	MSF	.00282193	3[illegible]	4[illegible]	.0212	206.64	.0212	93.73
4	ALP1	.03439657	3[illegible]	4[illegible]	.0050	78.76	.0043	267.55
5	2Q1	.03570635	3[illegible]	4[illegible]	.0045	96.34	.0038	80.67
6	Q1	.03721855	3[illegible]	4[illegible]	.0210	120.39	.0177	217.00
7	O1	.03873065	3[illegible]	4[illegible]	.0469	180.46	.0395	29.08
8	NO1	.04026859	3[illegible]	4[illegible]	.0053	267.10	.0065	75.34
9	K1	.04178075	3[illegible]	4[illegible]	.0574	286.07	.0525	183.24
10	J1	.04329290	3[illegible]	4[illegible]	.0040	319.35	.0034	340.10
11	001	.04483084	3[illegible]	4[illegible]	.0073	148.98	.0051	188.97
12	UPS1	.04634299	3[illegible]	4[illegible]	.0053	103.27	.0032	353.33
13	EPS2	.07617732	3[illegible]	4[illegible]	.0009	343.44	.0009	95.51
14	MU2	.07768947	3[illegible]	4[illegible]	.0126	38.72	.0130	264.45
15	N2	.07899925	3[illegible]	4[illegible]	.0370	70.09	.0378	73.04
16	M2	.08051140	3[illegible]	4[illegible]	.1865	95.46	.1925	209.62
17	L2	.08202355	3[illegible]	4[illegible]	.0041	222.09	.0043	237.81
18	S2	.08333333	3[illegible]	4[illegible]	.1196	141.26	.1194	141.20
19	ETA2	.08507364	3[illegible]	4[illegible]	.0032	168.38	.0030	277.56
20	MO3	.11492216	3[illegible]	4[illegible]	.0014	177.88	.0012	140.73
21	M3	.11607711	3[illegible]	4[illegible]	.0011	166.93	.0010	277.68
22	MK3	.12222921	3[illegible]	4[illegible]	.0010	241.20	.0010	257.60
23	SK3	.12511140	3[illegible]	4[illegible]	.0014	292.37	.0013	194.50
24	MN4	.15951140	3[illegible]	4[illegible]	.0010	353.88	.0010	108.06
25	M4	.16102355	3[illegible]	4[illegible]	.0023	23.30	.0025	251.75
26	SN4	.16253570	3[illegible]	4[illegible]	.0003	344.60	.0003	344.49
27	MS4	.16384473	3[illegible]	4[illegible]	.0009	62.27	.0009	196.44
28	S4	.16666667	3[illegible]	4[illegible]	.0002	48.64	.0002	48.53
29	2MK5	.20283355	3[illegible]	4[illegible]	.0009	60.00	.0008	190.63
30	2SK5	.20844741	3[illegible]	4[illegible]	.0006	261.45	.0005	163.52
31	2MN6	.24003220	3[illegible]	4[illegible]	.0007	355.48	.0007	313.88
32	M6	.24155342	3[illegible]	4[illegible]	.0012	96.24	.0013	78.92
33	2MS6	.24435613	3[illegible]	4[illegible]	.0021	158.00	.0022	26.40
34	2SM6	.24717807	3[illegible]	4[illegible]	.0005	234.53	.0005	348.65
35	3MK7	.28331495	3[illegible]	4[illegible]	.0002	211.95	.0002	96.81
36	M8	.32204560	3[illegible]	4[illegible]	.0006	294.39	.0007	31.30

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 6612+ 13H 17/ 3/80 TO 12H 23/ 4/80

NO.OBS.= 668 NO.PTS.ANAL.= 668 MIDPT= 0H 5/ 4/80 SEPARATION =1.00

TIME ZONE= CST LATITUDE=730 6N LONGITUDE=1.20 15M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G		AL	GL
1	Z0	0.00000000	380-	48	.0083	0.00		.0083	0.00
2	MM	.00151215	380-	48	.0278	224.91		.0278	335.08
3	MSF	.00282193	380-	48	.0212	206.64		.0212	93.73
4	ALP1	.03439657	380-	48	.0050	78.76		.0043	287.55
5	2Q1	.03570635	380-	48	.0045	96.34		.0038	80.67
6	Q1	.03721855	380-	48	.0210	120.39		.0177	217.00
7	O1	.03873065	380-	48	.0469	180.46		.0395	29.08
8	NO1	.04026859	380-	48	.0053	267.10		.0065	75.34
9	P1	.04155259	380-	48	.0265	289.09	INF FR K1	.0267	32.89
10	K1	.04176875	380-	48	.0833	293.99		.0754	196.17
11	J1	.04329290	380-	48	.0040	319.35		.0034	340.10
12	001	.04483084	380-	48	.0073	48.98		.0051	168.37
13	UPS1	.04634259	380-	48	.0053	103.27		.0032	353.33
14	EPS2	.07617732	380-	48	.0009	343.44		.0009	95.51
15	MU2	.07768947	380-	48	.0126	38.72		.0130	264.45
16	N2	.07899025	380-	48	.0370	70.09		.0378	70.04
17	M2	.08051114	380-	48	.1865	95.40		.1925	209.62
18	L2	.08202355	380-	48	.0041	222.09		.0043	237.81
19	S2	.08333333	380-	48	.0021	144.91		.0019	144.86
20	K2	.08356149	380-	48	.0257	137.31	INF FR S2	.0202	121.04
21	ETA2	.08507364	380-	48	.0032	168.38		.0030	277.56
22	MO3	.11924206	380-	48	.0014	177.88		.0012	140.73
23	M3	.12076710	380-	48	.0010	106.93		.0010	277.98
24	MK3	.12229215	380-	48	.0010	241.20		.0010	257.60
25	SK3	.12511406	380-	48	.0014	292.37		.0013	194.50
26	MN4	.15951065	380-	48	.0010	353.66		.0010	108.06
27	M4	.16102280	380-	48	.0023	23.30		.0020	251.75
28	SN4	.16233258	380-	48	.0003	344.60		.0003	344.49
29	MS4	.16384473	380-	48	.0009	32.27		.0009	196.44
30	S4	.16666667	380-	48	.0002	48.64		.0002	48.53
31	2MK5	.20128355	380-	48	.0009	80.04		.0008	190.63
32	2SK5	.20844741	380-	48	.0006	251.45		.0005	163.52
33	2MN6	.24002205	380-	48	.0007	85.78		.0007	313.88
34	M6	.24153420	380-	48	.0012	96.24		.0013	78.92
35	2MS6	.24435613	380-	48	.0021	158.00		.0022	26.40
36	2SM6	.24717807	380-	48	.0005	234.53		.0005	348.65
37	3MK7	.28331495	380-	48	.0002	211.98		.0002	96.81
38	M8	.32204560	380-	48	.0006	294.39		.0007	31.30

AFTER INFERENCE, RMS(RESID ERROR)= .02419

STITUENT ALP1 IS NOT IN ICTAB TABLE
STITUENT UPS1 IS NOT IN ICTAB TABLE
STITUENT EPS2 IS NOT IN ICTAB TABLE
STITUENT ETA2 IS NOT IN ICTAB TABLE
STITUENT 2MK5 IS NOT IN ICTAB TABLE
STITUENT 2SK5 IS NOT IN ICTAB TABLE
STITUENT 3MK7 IS NOT IN ICTAB TABLE

6124 MINTO HEAD CST 73 6 102 15 1 X 37 480 5560

6124	5		CST	480	Z0	0
6124	47	1865	CST	480	O1	1
6124	83	2940	CST	480	K1	2
6124	187	954	CST	480	M2	3
6124	102	1449	CST	480	S2	4
6124	2	233	CST	480	M4	5
6124	1	823	CST	480	MS4	6
6124	37	701	CST	480	N2	8
6124	23	2249	CST	480	MM	10
6124	21	1204	CST	480	Q1	12
6124	4	3193	CST	480	J1	13
6124	7	491	CST	480	OO1	14
6124	13	387	CST	480	MU2	15
6124	1	2221	CST	480	L2	16
6124	5	2671	CST	480	NO1	17
6124	1	3539	CST	480	MN4	18
6124	1	2344	CST	480	M8	19
6124	5	788	CST	480	ALP1	21
6124	5	963	CST	480	2Q1	22
6124	26	2891	CST	480	P1	28
6124	5	1033	CST	480	UPS1	33
6124	1	3434	CST	480	EPS2	35
6124	26	1373	CST	480	K2	44
6124	5	1684	CST	480	ETA2	45
6124	1	1159	CST	480	M3	46
6124	1	1779	CST	480	MO3	50
6124	1	2412	CST	480	MK3	52
6124	1	2924	CST	480	SK3	53
6124	0	3446	CST	480	SN4	54
6124	0	466	CST	480	S4	56
6124	1	600	CST	480	2MK5	58
6124	1	2615	CST	480	2SK5	59
6124	1	355	CST	480	2MN6	60
6124	1	962	CST	480	M6	61
6124	2	1583	CST	480	2MS6	62
6124	1	2345	CST	480	2SM6	64
6124	0	2120	CST	480	3MK7	66
6124	21	2066	CST	480	MSF	68

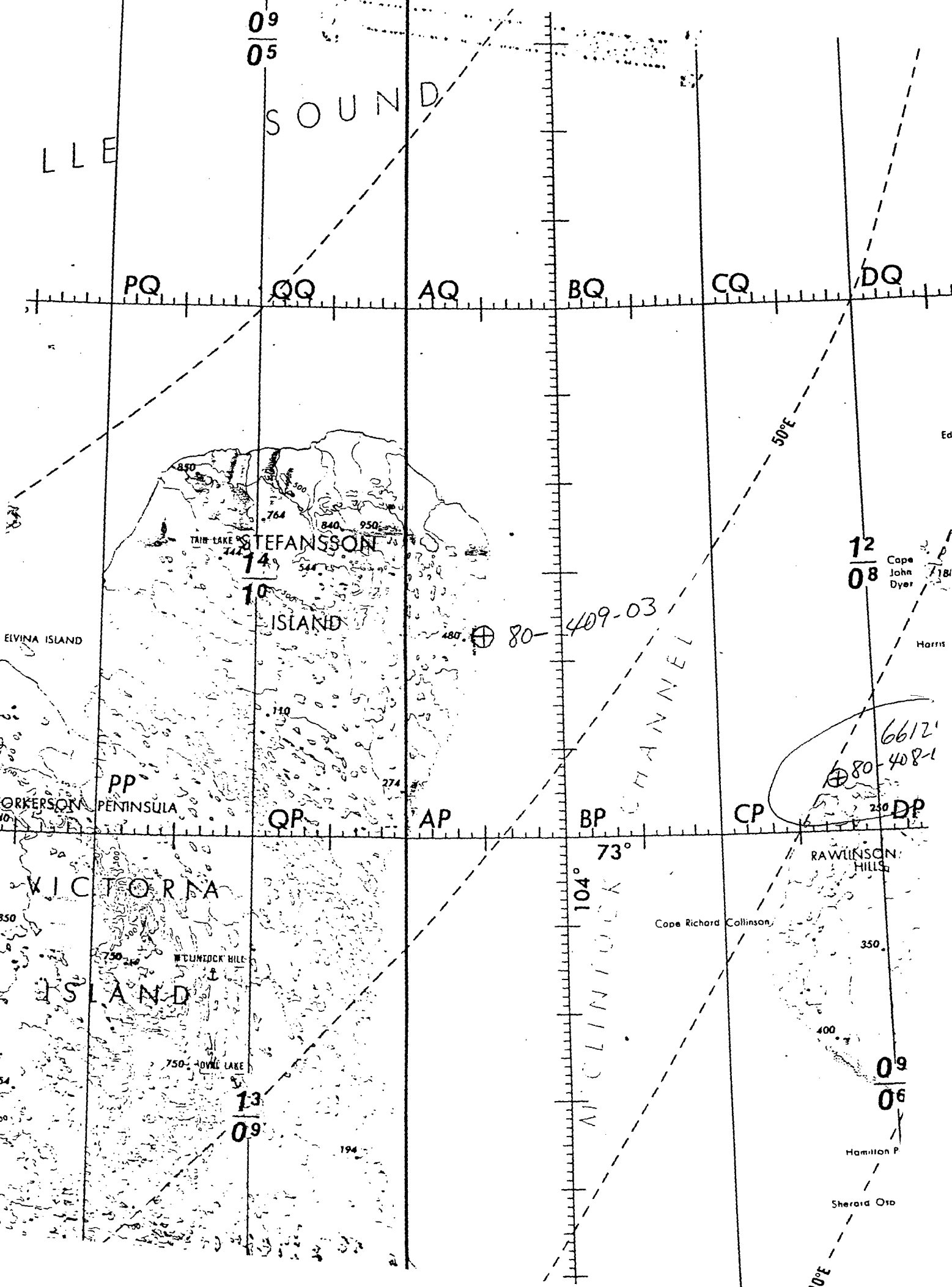
6124	17	380	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999
6124	17	380	4	2	3	2	4	2	2	4	4	4	1	-1
6124	18	380	-2	-1	-2	-2	-2	-1	1	0	0	2	1	-1
6124	18	380	-2	-3	-3	-2	-1	-1	0	1	1	1	-1	-2
6124	19	380	-2	-3	0	-1	-1	2	3	4	5	4	3	3
6124	19	380	3	3	4	6	6	5	7	6	6	7	5	3
6124	20	380	3	1	1	1	1	2	5	2	1	-3	-1	-5
6124	20	380	-5	-4	-4	-3	-3	-3	-3	-4	-4	-5	-5	-5
6124	21	380	-4	-3	-1	-2	-1	0	0	0	0	-1	-2	-2
6124	21	380	-1	-2	-3	-4	-4	-4	-5	-3	-2	-3	-3	-4
6124	22	380	-4	-5	-3	-4	-4	-3	-2	0	0	1	1	0
6124	22	380	0	0	-2	-1	0	0	2	2	3	2	1	1
6124	23	380	0	0	0	-2	-1	1	1	2	0	0	0	-1
6124	23	380	1	-1	0	0	-1	1	3	3	1	5	5	7
6124	24	380	5	4	6	5	3	2	2	2	0	1	1	0
6124	24	380	3	0	1	2	2	2	1	2	2	2	2	4
6124	25	380	4	4	3	2	2	0	0	0	0	1	2	1
6124	25	380	2	1	1	1	1	1	0	0	-1	0	1	1
6124	26	380	0	0	0	-1	-2	-3	-1	-2	-1	-1	0	0
6124	26	380	-1	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1
6124	27	380	-1	-1	-1	0	-2	-2	-1	0	1	1	1	1
6124	27	380	2	2	0	0	-1	0	1	1	0	0	1	1
6124	28	380	0	0	-2	-1	-2	-2	-3	-3	-1	-1	-2	-3
6124	28	380	-3	-3	-2	-3	-4	-4	-3	-2	-2	-3	-1	-1
6124	29	380	0	-1	-1	1	0	1	1	0	1	2	2	1
6124	29	380	1	3	3	2	1	1	1	2	2	1	3	2
6124	30	380	3	3	3	2	3	3	4	2	2	3	3	1
6124	30	380	2	1	2	0	1	1	-1	0	-1	0	-2	-2
6124	31	380	-2	-1	-2	-1	-1	1	0	0	1	1	1	0
6124	31	380	0	-1	0	0	1	1	1	1	1	0	1	1
6124	1	480	1	1	2	2	2	3	2	2	3	2	2	2
6124	1	480	0	2	2	0	2	2	3	1	0	0	-1	-2
6124	2	480	-1	0	-1	-1	0	-1	-2	-3	-2	-3	-5	-5
6124	2	480	-4	-4	-4	-4	-3	-5	-5	-5	-7	-7	-6	-5
6124	3	480	-6	-5	-5	-4	-4	-6	-5	-3	-4	-3	-3	-2
6124	3	480	-1	-1	0	1	1	1	1	1	2	3	3	3
6124	4	480	4	5	3	4	5	3	4	4	4	3	3	3
6124	4	480	2	3	3	3	2	1	1	0	0	0	-1	0
6124	5	480	-1	-2	-1	-1	0	0	-1	-1	0	-2	0	0
6124	5	480	1	1	1	1	0	1	0	1	-1	0	-1	1
6124	6	480	0	1	0	2	2	1	2	2	1	1	1	1
6124	6	480	1	-1	1	2	2	2	1	1	1	0	-1	-2
6124	7	480	-1	0	1	2	2	1	0	0	-1	-2	-2	-1
6124	7	480	0	1	1	1	2	2	0	0	-1	0	0	1
6124	8	480	0	1	1	0	-1	-1	-1	-2	-1	-2	-1	-1
6124	8	480	0	-1	-1	0	1	0	0	-1	-1	0	0	0
6124	9	480	-1	0	-1	0	-2	0	-1	-2	-1	-1	-1	0
6124	9	480	2	2	1	0	1	2	0	1	1	1	0	2
6124	10	480	0	0	0	0	-1	-1	-2	-1	-1	0	0	-1
6124	10	480	0	0	0	-1	-1	-1	0	-3	-3	-2	-2	-3
6124	11	480	-2	-1	-1	-1	-1	-1	-1	0	0	0	0	1
6124	11	480	-1	1	0	0	0	2	2	3	3	4	3	2
6124	12	480	2	2	1	3	2	3	3	2	2	0	0	-1
6124	12	480	1	-2	-2	-1	-1	-2	-1	-1	-1	-2	-2	-2
6124	13	480	-2	-4	-5	-5	-4	-4	-4	-4	-3	-2	-3	-2
6124	13	480	-1	-1	0	0	0	2	3	3	3	3	5	5
6124	14	480	4	3	3	3	2	1	1	0	1	0	0	-1
6124	14	480	0	-2	-3	-3	-4	-3	-3	-3	-2	-1	-1	1
6124	15	480	1	0	1	1	1	3	0	0	0	3	2	0
6124	15	480	-1	-2	-3	-3	-4	-5	-2	-2	-2	0	-1	0
6124	16	480	-2	-2	-2	-1	-1	-2	-2	-1	0	1	1	1
6124	16	480	0	0	1	0	0	1	0	1	1	-2	1	1
6124	17	480	0	0	-1	-1	-2	-2	-2	-1	-1	-1	0	0
6124	17	480	1	2	1	0	0	1	1	2	3	3	2	3
6124	18	480	4	5	3	2	3	2	0	-1	-1	0	1	0
6124	18	480	2	3	3	2	0	1	0	-1	0	-1	0	2
6124	19	480	2	4	3	2	1	0	0	-1	0	-1	0	0
6124	19	480	0	0	0	0	-1	-3	-5	-4	-5	-5	-6	-5
6124	20	480	-5	-3	-2	-3	-4	-3	-4	-5	-4	-5	-1	0
6124	20	480	0	-1	-2	-1	1	2	-1	0	-1	1	0	0
6124	21	480	1	2	2	2	1	3	5	4	4	2	4	5
6124	21	480	5	5	3	3	3	3	2	2	1	1	0	1
6124	22	480	1	2	1	0	1	0	-1	-2	-2	-2	-3	-3
6124	22	480	-3	-5	-4	-4	-5	-3	-2	-3	-4	-3	-2	-2
6124	23	480	-4	-2	-2	-1	-1	0	0	0	-1	0	0	-1
6124	23	480	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999

MINTO HEAD, PRINCE OF WALES IS. - 73 06 N 102 15 W

DATA ARE REFERRED TO CST (+6) TIME ZONE

DATA ARE PRESSURES IN MILLIBARS

REFERENCE LEVEL IS ZC (MEAN PRESSURE)


SOUND
PQ
QQ
AQ
BQ
CQ
DQ
STEFANSSON
ISLAND
ELVINA ISLAND
80-409-03
PP
PENINSULA
QP
AP
BP
CP
DP
VICTORIA
ISLAND
M'CLINTOCK CHANNEL
Cape Richard Collinson
RAWLINSON HILLS
Cape John Dyer
Harris
Hamilton P
Sherard Osb
50°E
73°
104°
66127
408-1
80

GAUGE DATA: SERIAL NO. 408 CALIBRATION DATE: AUG. 31,1979 PRJ
MODEL WLR5
RANGE (KILOPASCALS) 1379.0

AMBIENT CONDITIONS: TEMPERATURE (DEG. C) START: 24.00 FINISH: 24.20
PRESSURE (KILOPASCALS) START: 101.01 FINISH: 101.08

THIRD ORDER COEFFICIENTS ARE:

-.13428130D+04 .59903931D-02 -.295612000-08 .935814900-15

R.M.S. ERROR = .11284
% FULL SCALE = .00818

*****TEST RESULTS*****

AANDERAA COUNT CH. 1	CH. 2	AANDERAA FULLWORD	TEXAS I. READING	AMBIENT PRESSURE	PRESSURE IN KILOPASCALS	PRESSURE BY APPROXIMATION	CURVE DEVIATION	% FULL SCALE ERR.
268	700	275132.	0.000	101.01	101.01	101.05	-.05	-.003
299	361	306537.	3.443	101.02	242.84	242.65	.20	.014
330	071	338891.	6.874	101.02	394.19	394.20	-.02	-.002
361	65	369729.	10.050	101.02	515.16	515.21	-.05	-.004
398	50	407602.	13.833	101.03	671.33	671.13	.20	.015
427	690	437938.	16.761	101.04	792.21	792.26	-.04	-.003
463	330	474442.	20.187	101.04	933.90	933.81	.08	.005
498	930	510882.	23.491	101.05	1070.90	1070.80	.10	.007
535	587	548427.	26.796	101.05	1207.67	1207.73	-.06	-.004
500	435	512435.	23.628	101.06	1076.60	1076.55	.05	.003
464	810	476046.	20.329	101.06	939.79	939.93	-.14	-.010
429	192	439488.	16.907	101.07	798.29	799.35	-.08	-.006
394	631	404087.	13.483	101.07	656.92	656.88	.04	.003
361	826	370490.	10.124	101.07	518.26	518.39	-.13	-.010
329	001	337797.	6.755	101.08	379.33	379.48	-.15	-.011
297	687	304815.	3.255	101.08	235.16	234.99	.17	.012
268	728	275160.	0.000	101.08	101.08	101.18	-.10	-.007

AANDERAA TIDE GAUGE

DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 40802

TIME ZONE USED: CST (+6)

SAMPLING INTERVAL: 15 min

INITIALIZATION TIME:

PREPARATION

INITIALIZATION DATE(DMY): 15/03/80

TIME RESET:

FIRST FIRE: 1615

THREAD TAPE: 1614

FIRST READING ON TAPE: 1615

SECOND READING ON TAPE: 1630

DIGI-PRINTER READINGS:

TIME	READINGS
1730	129
	1
	269
	19
1745	134
	1
	269
	22
1800	134
	1
	269
	26
1815	134
	1
	269
	27

DEPLOYMENT

DEPLOYMENT DATE(DMY): 17/03/80 (077)

TIME IN WATER: 1205

TIME ON BOTTOM: 1210

LOCATION

LAT: 73° 06'

LONG: 102° 15'

OTHER: Minto Head

RECOVERY

RECOVERY DATE(DMY): 23/04/80

TIME LEFT BOTTOM: 1230

TIME OUT OF WATER: 1232

TIME OF LAST FIRE: 2015

DIGI-PRINTER READINGS:

TIME	1930	TIME	1945
READINGS	134	READINGS	134
	126		126
	269		269
	28		32
TIME	2000	TIME	2015
READINGS	134	READINGS	134
	126		126
	269		269
	34		35

REMARKS AND OBSERVATIONS

BATTERY CHECK: 9.42 DCV no load

Gauge is located between mainland at Minto Head and S.oloason Island. It is marked with a 45 gal fuel drum.

1930

1945

2000

FORM 1

DATE NOV 25/83

TEMPORARY DEPLOYMENT WORK SHEET,
DATA SHEET AND PROCESSING SUMMARY
FOR 80-408-02

A. SUMMARY OF INFORMATION RECEIVED

ANALOGUE RECORDS		COMPARISON FORM	
1/4" MAGNETIC TAPE	✓	DEPLOYMENT FORM	✓
EPROM		CALIBRATION FORM	✓
LEVELLING NOTES		502 FORM	
LOCATION MAP	✓	B. M PHOTOGRAPHS	

B. GENERAL INFORMATION

LOCATION MINTO HEAD, PRINCE OF WALES IS.
LATITUDE 73°06'N
LONGITUDE 102° 15' W
TIME ZONE OF OBSERVATIONS CST (+6)
PERIOD OF RECORD: START(HHMM/DD/MM/YY) 1300/17/03/80
END (HHMM/DD/MM/YY) 1200/23/04/80
NO. OF DAYS OF DATA 37
NO. OF DAYS ANALYSED 37

C. PRODUCTION HISTORY

DATE RECEIVED
DATE PROCESSING COMPLETED Dec 9/83
DATE CHECKING COMPLETED
DATE SENT TO H.Q.
DATE SENT TO MEDS
DATE RETURNED FROM MEDS
DATE FILE COMPLETED

Date Nov 23/80

FORM 3

PROCESSING CHECKLIST FOR SUBMERSIBLE TIDE GAUGE
AT 80-408-02

1. Gauge data: Model WLR-5 Range 0-130 m

Sampling interval 15 min Integration time _____

Calibration: Pressure: Date Aug 31/79 Units KPA

Coefficients -.134281E+04 a _____

.599039 E-02 b _____

-.295612E-08 t_o _____

.935815 E-15

Temperature : Date _____ Baseword _____

Coefficients _____

2. Processing data:

Translator CCIW Translator - Sept 4/80

First data on Tape (time and day) 1615/075/80

First pressure words and time after deployment 294 361 (1215/077)

First pressure words & time after recovery 268 952 (1245/114)

3. Results: 1. Pressure - maximum 1242.86 mB minimum 1153.48 mB
range 89.38 mB offset 1150. + 86

2. Plots data - hourly ✓ residuals ✓

3. Processing problems

no problems.

4. Master Filing _____

80-408-02 66124 Munro Head, Prince of Wales Is.

- monitor okay - times confirm first sample on tape at 1615/075

- deployed 1205-1210 on 077
  - first good sample 1215/077 ✓

- recovered 1230-1232 on 114
  - last good sample on analysis 1230/114
  - end monitor okay.
  - time of last good sample from bottom time check is 1230/114

- times check okay.

STATION NO. 8040802

LOCATED AT MINTO HEAD, PRINCE OF WALES ISLAND

TIDE GAUGE MODEL WLR5 OPERATING AT 4 SAMPLES PER HOUR

DEPLOYED ON MARCH 17, 1980

RECOVERED ON APRIL 23, 1980

DATA WERE COLLECTED AND PROCESSED ON CST

PRESSURE CALIBRATION COEFFICIENTS IN KPA

A	=	-.1342810000E+04
B	=	.5993900000E-02
C	=	-.2956120000E-08
D	=	.9358150000E-15

MAXIMUM PRESSURE = 1242.86 MB AT 1730 ON DAY 79

MINIMUM PRESSURE = 1153.48 MB AT 1130 ON DAY 80

PRESSURE RANGE = 89.38 MB

80-445-61

66130

NUMBER	NAME	STATION ZONE	LAT	LONG	ANALYSIS LENGTH	C.T.
66130	THACKERAY PT.PR.WALES	CST	7140 NORTH	9942 WEST	31 DAYS	480 MOYR

REFERENCE STATION - 5560

Z0 .007 (C.T. 480)

CONSTITUENT	AMPLITUDE	PHASE	GMT	CONSTITUENT	AMPLITUDE	PHASE
MM	.027	222.4		MSF	.021	194.1
2Q1	.005	90.0		Q1	.025	126.0
O1	.072	189.2		NO1	.007	238.9
P1	.040	287.4		K1	.127	292.3
J1	.008	276.7		CO1	.008	39.2
MU2	.008	127.7		N2	.060	153.1
M2	.252	188.2	2.1	L2	.011	261.5
S2	.084	246.8		K2	.021	239.2
MO3	.003	103.9		M3	.001	303.3
MK3	.001	187.2		SK3	.003	231.4
MN4	.002	174.3		M4	.003	224.7
SN4	.001	261.9		MS4	.002	288.9
S4	.001	357.6				
2MN6	.001	247.2		M6	.001	231.3
2MS6	.001	339.3		2SM6	.001	325.4

AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SC	DL/SD	DL+SC
59	3.00	103	1.76	168	.15	.27	.55	.42

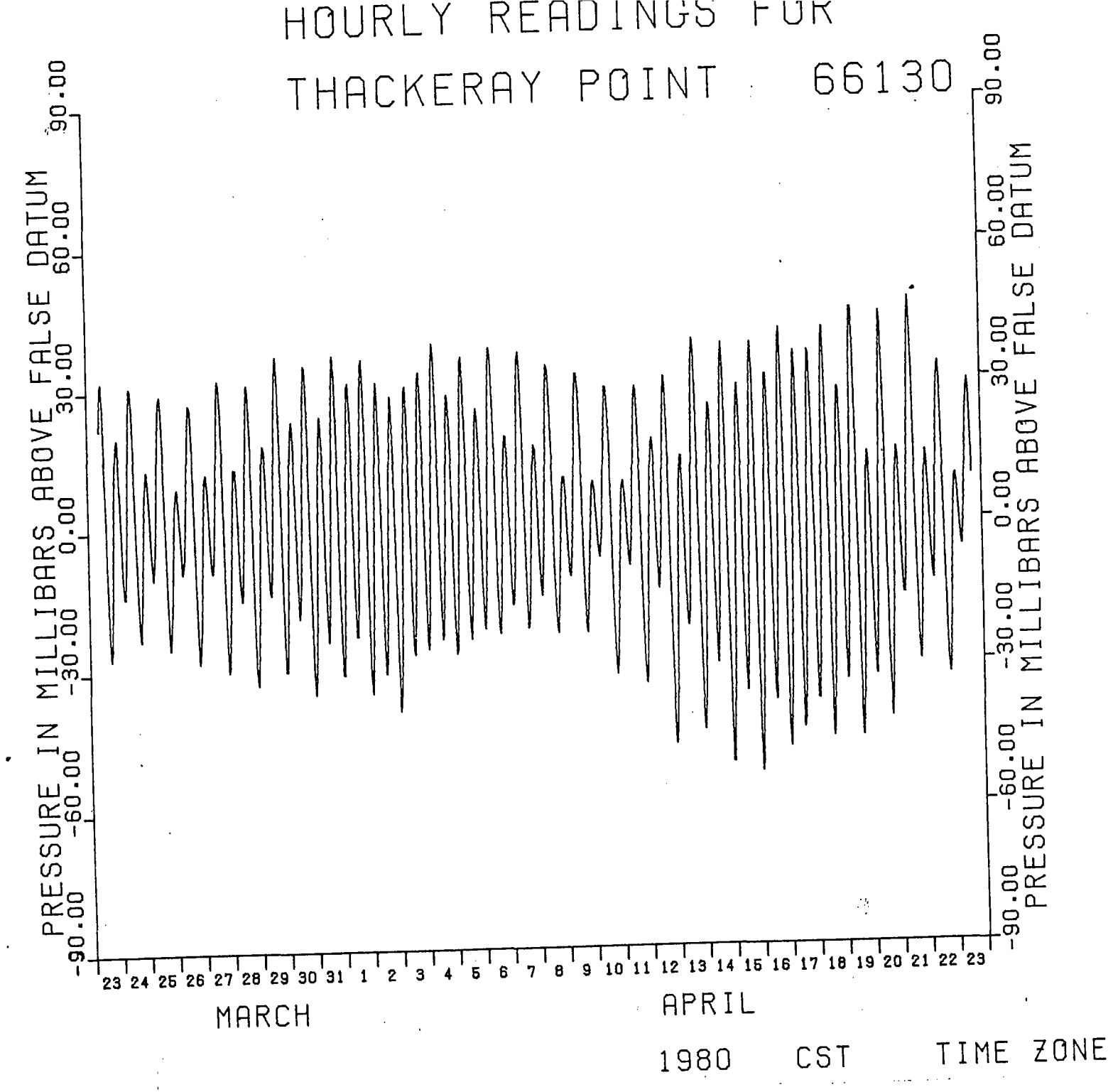
MEAN TIDES, TIMES AND HEIGHTS

1901	.42	658	.13	1231	-.23	104	-.31
HHW		LHW		HLW		LLW	

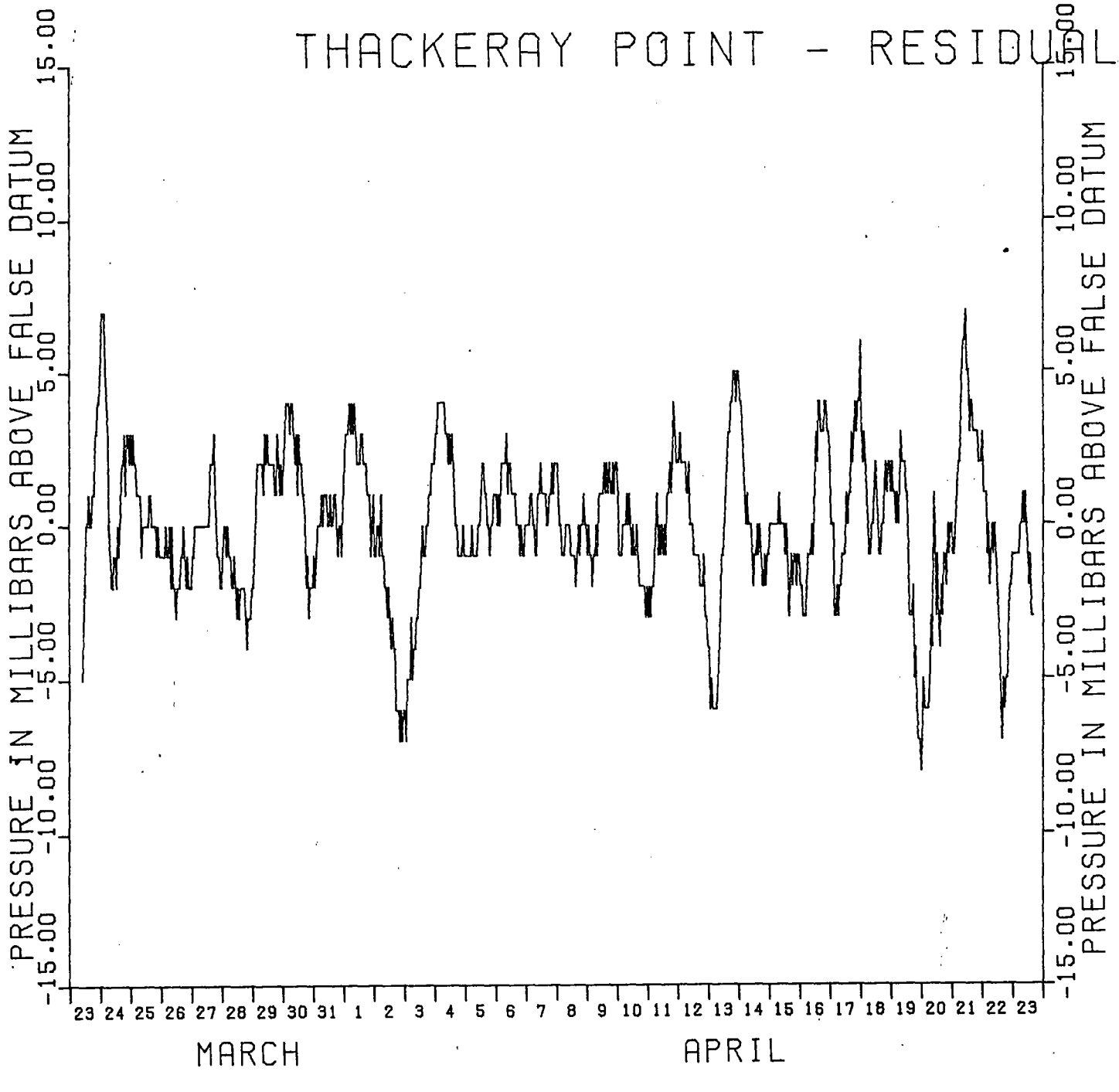
LARGE TIDES		RANGES	
.68	-.41	.73	1.09
HHW	LLW	MT	LT

AMPLITUDE VALUES ARE EXPRESSED IN DECIBARS

DATE AND TIME OF THE COMPUTER RUN 83/12/09. - 08.42.27.


HOURLY READINGS FOR
THACKERAY POINT 66130
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
90.00
60.00
30.00
0.00
-30.00
-60.00
-90.00
23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
MARCH
APRIL
1980 CST TIME ZONE

HOURLY READINGS FOR THACKERAY POINT - RESIDUALS



PUT DATA IOUT1, INDPR, ICHK, NSTRP, RAYOPT ZOFF OBSFAC
6 3 0 0 .98000 0.00000 0.00000

NFERENCE PAIRS

K1	.417807462 0E-01	P1	.415525871 0E-01	.31795	4.90000
S2	.833333333 0E-01	K2	.835614924 0E-01	.25131	7.60000

TATION 66130 PRELIMINARY RESULTS

	ONSTITUENT	FREQUENCY	C	ERR	S	ERR
1	Z0	0.00000000	.007	.001	0.000	.000
2	MM	.00151215	.010	.001	-.025	.001
3	MSF	.00282193	.021	.001	.003	.001
4	ALP1	.03439657	-.001	.001	.004	.001
5	2Q1	.03570635	-.003	.001	-.002	.001
6	Q1	.03721850	-.017	.001	-.012	.001
7	O1	.03873065	-.010	.001	.059	.001
8	NO1	.04026859	.003	.001	.009	.001
9	K1	.04178075	-.078	.001	.020	.001
10	J1	.04329290	-.003	.001	-.006	.001
11	OO1	.04483084	.001	.001	.000	.001
12	UPS1	.04634299	-.001	.001	-.003	.001
13	EPS2	.07617732	-.003	.001	-.001	.001
14	MU2	.07768947	-.003	.001	.007	.001
15	N2	.07899925	-.034	.001	-.052	.001
16	M2	.08051140	.253	.001	-.060	.001
17	L2	.08202355	.006	.001	-.010	.001
18	S2	.08333333	-.083	.001	-.052	.001
19	ETA2	.08507364	-.002	.001	-.002	.001
20	MO3	.11924206	-.003	.001	.000	.001
21	M3	.12076710	-.001	.001	-.000	.001
22	MK3	.12229215	-.001	.001	-.001	.001
23	SK3	.12511408	.000	.001	.003	.001
24	MN4	.15951065	.001	.001	.002	.001
25	M4	.16102280	-.004	.001	-.000	.001
26	SN4	.16233258	.001	.001	-.001	.001
27	MS4	.16384473	.001	.001	.002	.001
28	S4	.16666667	.000	.001	-.001	.001
29	2MK5	.20280355	-.000	.001	-.000	.001
30	2SK5	.20844741	-.000	.001	.000	.001
31	2MN6	.24002205	.000	.001	-.001	.001
32	M6	.24153420	.001	.001	-.000	.001
33	2MS6	.24435613	-.000	.001	-.001	.001
34	2SM6	.24717807	.000	.001	.001	.001
35	3MK7	.28331495	.000	.001	-.000	.001
36	M8	.32204560	.000	.001	.000	.001

UMBER OF VALID DATA = 751 AVERAGE = .01 STANDARD DEVIATION = .22

HEORETICAL RMS = .03 MATRIX CONDITION = .60

MS OF THE RESIDUES= .02647

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 66130 10H 23/ 3/80 TO 16H 23/ 4/80

NO.OBS.= 751 NO.PTS.ANAL.= 751 MIDPT= 1H 8/ 4/80 SEPARATION = .98

TIME ZONE= CST LATITUDE=71D 4M LONGITUDE= 99D 42M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/ M-Y	A	G	AL	GL
1	Z0	0.00000000	380- 480	.0070	0.00	.0070	0.00
2	MM	.00151215	380- 480	.0269	222.36	.0269	292.79
3	MSF	.00282193	380- 480	.0210	194.10	.0210	7.04
4	ALP1	.03439657	380- 480	.0048	77.34	.0041	102.19
5	2Q1	.03570635	380- 480	.0049	90.03	.0041	216.01
6	Q1	.03721850	380- 480	.0252	126.04	.0212	324.55
7	O1	.03873065	380- 480	.0715	189.19	.0602	99.96
8	NO1	.04026859	380- 480	.0074	238.86	.0092	68.83
9	K1	.04178075	380- 480	.0889	281.58	.0806	165.78
10	J1	.04329290	380- 480	.0081	276.73	.0069	239.72
11	OO1	.04480504	380- 480	.0083	39.23	.0058	81.25
12	UPS1	.04634299	380- 480	.0056	132.04	.0034	244.36
13	EPS2	.07617732	380- 480	.0034	290.85	.0035	201.01
14	MU2	.07768947	380- 480	.0075	127.73	.0077	111.79
15	N2	.07899925	380- 480	.0604	153.06	.0618	236.94
16	M2	.08051140	380- 480	.2521	188.20	.2602	346.60
17	L2	.08202355	380- 480	.0108	281.46	.0113	301.76
18	S2	.08333333	380- 480	.0984	242.21	.0982	212.15
19	ETA2	.08507364	380- 480	.0040	184.10	.0027	217.55
20	MO3	.11924206	380- 480	.0031	103.94	.0027	173.10
21	M3	.12076710	380- 480	.0007	303.32	.0007	180.62
22	MK3	.12229215	380- 480	.0011	187.18	.0011	229.77
23	SK3	.12511408	380- 480	.0029	231.38	.0026	85.52
24	MN4	.15951065	380- 480	.0020	174.31	.0022	56.58
25	M4	.16102280	380- 480	.0033	224.65	.0035	181.44
26	SN4	.16233256	380- 480	.0009	261.95	.0010	315.77
27	MS4	.16384473	380- 480	.0020	288.88	.0020	57.22
28	S4	.16666667	380- 480	.0006	357.64	.0006	297.53
29	2MK5	.20280355	380- 480	.0003	9.97	.0003	210.95
30	2SK5	.20844741	380- 480	.0003	308.71	.0003	132.80
31	2MN6	.24002205	380- 480	.0005	247.24	.0006	267.90
32	M6	.24153420	380- 480	.0012	231.33	.0013	346.50
33	2MS6	.24435613	380- 480	.0010	339.26	.0010	265.99
34	2SM6	.24717807	380- 480	.0007	325.36	.0007	63.65
35	3MK7	.28331495	380- 480	.0005	278.88	.0005	278.26
36	M8	.32204560	380- 480	.0003	144.81	.0003	58.38

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 66130 10H 23/ 3/80 TO 16H 23/ 4/80

NO.OBS.= 751 NO.PTS.ANAL.= 751 MIDPT= 1H 8/ 4/80 SEPARATION = .98

TIME ZONE= CST LATITUDE=71D 40M LONGITUDE= 99D 42M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/ M-Y	A	G		AL	GL
1	Z0	0.00000000	380- 480	.0070	0.00		.0070	0.00
2	MM	.00151215	380- 480	.0269	222.36		.0269	292.79
3	MSF	.00282193	380- 480	.0210	194.10		.0210	7.04
4	ALP1	.03439657	380- 480	.0048	77.34		.0041	102.19
5	2Q1	.03570635	380- 480	.0049	90.03		.0041	216.01
6	Q1	.03721850	380- 480	.0252	126.04		.0212	324.55
7	O1	.03873065	380- 480	.0715	189.19		.0602	99.96
8	NO1	.04026859	380- 480	.0074	238.86		.0092	68.83
9	P1	.04155259	380- 480	.0403	287.37	INF FR K1	.0407	19.17
10	K1	.04178075	380- 480	.1268	292.27		.1149	176.47
11	J1	.04329290	380- 480	.0081	276.73		.0069	239.72
12	001	.04483084	380- 480	.0083	39.23		.0058	81.25
13	UPS1	.04634299	380- 480	.0056	132.04		.0034	244.36
14	EPS2	.07617732	380- 480	.0034	290.85		.0035	201.01
15	MU2	.07768947	380- 480	.0075	127.73		.0077	111.79
16	N2	.07899925	380- 480	.0604	153.06		.0618	236.94
17	M2	.08051140	380- 480	.2521	188.20		.2602	346.60
18	L2	.08202355	380- 480	.0108	281.46		.0113	301.76
19	S2	.08333333	380- 480	.0843	246.81		.0841	216.76
20	K2	.08356149	380- 480	.0212	239.21	INF FR S2	.0167	186.99
21	ETA2	.08507364	380- 480	.0040	184.10		.0027	217.55
22	MO3	.11924206	380- 480	.0031	103.94		.0027	173.10
23	M3	.12076710	380- 480	.0007	303.32		.0007	180.62
24	MK3	.12229215	380- 480	.0011	187.18		.0011	229.77
25	SK3	.12511408	380- 480	.0029	231.38		.0026	85.52
26	MN4	.15951065	380- 480	.0020	174.31		.0022	56.58
27	M4	.16102280	380- 480	.0033	224.65		.0035	181.44
28	SN4	.16233258	380- 480	.0009	261.95		.0010	315.77
29	MS4	.16384473	380- 480	.0020	288.88		.0020	57.22
30	S4	.16666667	380- 480	.0006	357.64		.0006	297.53
31	2MK5	.20280355	380- 480	.0003	9.97		.0003	210.95
32	2SK5	.20844741	380- 480	.0003	308.71		.0003	132.80
33	2MN6	.24002205	380- 480	.0005	247.24		.0006	287.96
34	M6	.24153420	380- 480	.0012	231.33		.0013	346.50
35	2MS6	.24435613	380- 480	.0010	339.26		.0010	265.99
36	2SM6	.24717807	380- 480	.0007	325.36		.0007	63.65
37	3MK7	.28331495	380- 480	.0005	278.88		.0005	278.26
38	M8	.32204560	380- 480	.0003	144.81		.0003	58.38

AFTER INFERENCE, RMS(RESID ERROR)= .02534

ONSTITUENT ALP1 IS NOT IN ICTAB TABLE

ONSTITUENT UPS1 IS NOT IN ICTAB TABLE

ONSTITUENT EPS2 IS NOT IN ICTAB TABLE

ONSTITUENT ETA2 IS NOT IN ICTAB TABLE

ONSTITUENT 2MK5 IS NOT IN ICTAB TABLE

ONSTITUENT 2SK5 IS NOT IN ICTAB TABLE

ONSTITUENT 3MK7 IS NOT IN ICTAB TABLE

66130	· THACKERAY PT. PR. WALES			CST	71	40	99	42	1	X	31	480	5560
66130	7		0	CST	4	80						ZO	0
66130	72		1892	CST	4	80						O1	1
66130	127		2923	CST	4	80						K1	2
66130	252		1862	CST	4	80						M2	3
66130	84		2468	CST	4	80						S2	4
66130	3		2247	CST	4	80						M4	5
66130	2		2889	CST	4	80						MS4	6
66130	60		1531	CST	4	80						N2	8
66130	27		2224	CST	4	80						MM	10
66130	25		1260	CST	4	80						Q1	12
66130	8		2767	CST	4	80						J1	13
66130	8		392	CST	4	80						OO1	14
66130	8		1277	CST	4	80						MU2	15
66130	11		2815	CST	4	80						L2	16
66130	7		2389	CST	4	80						NO1	17
66130	2		1743	CST	4	80						MN4	18
66130	0		1448	CST	4	80						M8	19
66130	5		773	CST	4	80						ALP1	21
66130	5		900	CST	4	80						2Q1	22
66130	40		2874	CST	4	80						P1	28
66130	6		1320	CST	4	80						UPS1	33
66130	3		2908	CST	4	80						EPS2	35
66130	21		2392	CST	4	80						K2	44
66130	4		1841	CST	4	80						ETA2	45
66130	1		3033	CST	4	80						M3	46
66130	3		1039	CST	4	80						MO3	50
66130	1		1872	CST	4	80						MK3	52
66130	3		2314	CST	4	80						SK3	53
66130	1		2619	CST	4	80						SN4	54
66130	1		3576	CST	4	80						S4	56
66130	0		100	CST	4	80						2MK5	58
66130	0		3087	CST	4	80						2SK5	59
66130	1		2472	CST	4	80						2MN6	60
66130	1		2313	CST	4	80						M6	61
66130	1		3393	CST	4	80						2MS6	62
66130	1		3254	CST	4	80						2SM6	64
66130	0		2789	CST	4	80						3MK7	66
66130	21		1941	CST	4	80						MSF	68

66130	23	380	9999	9999	9999	9999	9999	9999	9999	9999	9999	-5	-3	-2
66130	23	380	0	0	1	0	0	1	1	3	3	4	4	5
66130	24	380	7	7	7	5	4	3	0	-1	-2	-2	-1	-1
66130	24	380	-2	0	-1	0	2	2	3	1	3	3	2	3
66130	25	380	2	3	2	2	1	1	1	1	-1	0	0	0
66130	25	380	0	0	1	1	0	0	0	0	-1	0	-1	-1
66130	26	380	-1	-1	-1	0	-1	-1	0	-2	0	-2	-2	-3
66130	26	380	-2	-2	-2	-1	-1	0	-1	-2	-1	-2	-2	-2
66130	27	380	-1	-1	0	0	0	0	0	0	0	0	0	0
66130	27	380	0	0	2	2	2	3	1	0	-1	-1	-2	-2
66130	28	380	-1	0	0	-1	0	-1	-1	-2	-2	-1	-2	-3
66130	28	380	-2	-3	-2	-2	-2	-2	-3	-4	-3	-3	-3	-2
66130	29	380	-2	-1	0	2	2	2	2	2	1	3	2	3
66130	29	380	2	2	2	2	2	1	1	3	2	1	2	1
66130	30	380	2	3	4	4	4	3	4	4	3	2	3	1
66130	30	380	3	2	2	1	1	0	-2	-1	-3	-2	-2	-2
66130	31	380	-1	-2	-1	0	0	0	1	0	1	1	1	0
66130	31	380	0	1	0	0	1	1	0	-1	0	0	-1	1
66130	1	480	2	3	3	3	4	3	4	3	4	3	2	2
66130	1	480	2	3	3	2	2	2	1	1	1	-1	0	-1
66130	2	480	-1	-1	0	0	-1	1	-1	-1	-2	-2	-3	-2
66130	2	480	-3	-4	-3	-4	-4	-6	-6	-6	-7	-6	-7	-6
66130	3	480	-6	-7	-5	-5	-5	-3	-5	-4	-4	-3	-3	-2
66130	3	480	-2	-1	0	-1	-1	0	0	1	1	2	2	2
66130	4	480	3	3	4	4	4	4	4	4	3	3	2	3
66130	4	480	2	3	2	1	0	0	-1	-1	-1	-1	0	-1
66130	5	480	-1	-1	-1	-1	-1	0	-1	-1	-1	-1	0	0
66130	5	480	1	2	2	1	1	0	0	-1	0	0	1	1
66130	6	480	1	0	1	0	2	2	2	2	3	1	2	2
66130	6	480	1	1	1	1	0	0	0	-1	0	-1	-1	0
66130	7	480	0	0	0	1	1	0	0	-1	-1	1	1	2
66130	7	480	1	1	1	1	0	0	1	1	2	1	2	2
66130	8	480	2	1	0	0	-1	-1	-1	0	0	0	0	-1
66130	8	480	-1	-1	-1	-2	-1	0	-1	0	0	1	0	0
66130	9	480	-1	0	-1	-1	-2	-1	-1	0	-1	1	1	1
66130	9	480	1	2	1	2	1	2	1	1	2	1	2	2
66130	10	480	1	-1	-1	-1	0	0	0	1	0	1	0	-1
66130	10	480	0	-1	-1	0	-1	-2	-2	-2	-2	-2	-3	-2
66130	11	480	-3	-2	-3	-2	-2	-1	0	1	-1	0	-1	0
66130	11	480	-1	0	-1	1	1	2	1	2	4	3	2	2
66130	12	480	2	3	2	2	2	2	1	1	2	0	0	0
66130	12	480	-1	-1	-1	-1	-1	-2	-2	-2	-1	-3	-3	-4
66130	13	480	-4	-6	-5	-6	-6	-6	-6	-5	-4	-3	-1	-1
66130	13	480	0	1	2	3	3	4	4	5	5	4	5	5
66130	14	480	4	4	3	2	1	0	1	0	0	0	-1	-2
66130	14	480	-1	-1	0	-1	0	-1	-2	-2	-1	-2	-1	-1
66130	15	480	0	0	0	0	0	0	0	1	0	0	0	0
66130	15	480	-1	0	-1	-3	-2	-1	-2	-1	-1	-2	-1	-1
66130	16	480	-2	-2	-3	-3	-3	-2	-1	-1	-1	0	-1	1
66130	16	480	3	2	4	4	3	3	3	4	4	3	3	2
66130	17	480	0	0	0	-3	-3	-2	-3	-2	-2	-1	-1	-1
66130	17	480	1	0	1	1	3	2	3	4	3	4	4	6
66130	18	480	3	2	3	2	1	0	-1	-1	0	0	1	2
66130	18	480	1	0	-1	-1	0	0	1	2	1	2	2	1
66130	19	480	2	1	1	0	1	0	1	3	2	2	2	1
66130	19	480	1	-1	-3	-3	-3	-2	-5	-4	-6	-7	-7	-8
66130	20	480	-7	-5	-6	-6	-6	-6	-5	-3	-4	1	0	-3
66130	20	480	-1	-3	-4	-2	-3	-1	-1	-2	0	-1	0	0
66130	21	480	-1	-1	0	1	2	2	3	5	6	6	7	5
66130	21	480	5	3	4	4	3	3	3	3	2	2	2	3
66130	22	480	1	1	1	-1	0	-2	-1	0	-1	0	-1	-2
66130	22	480	-3	-4	-6	-7	-5	-6	-5	-5	-3	-2	-2	-1
66130	23	480	-1	-1	-1	-1	-1	0	0	1	0	1	0	-1
66130	23	480	-2	-1	-3	-3	9999	9999	9999	9999	9999	9999	9999	9999

66130 THACKERAY PT. PRINCE OF WALES IS. 71 40 N 99 42 W
66130 DATA ARE REFERRED TO GST (+6) TIME ZONE
66130 DATA ARE WATER LEVELS IN MILLIBARS
66130 REFERENCE LEVEL IS Z0 (MEAN PRESSURE)

66130	23	380	99999999999999999999999999999999999999									22	31	32
66130	23	380	27	15	2	-13	-23	-27	-25	-16	-5	6	14	19
66130	24	380	20	15	8	-2	-10	-14	-14	-7	3	15	25	31
66130	24	380	30	26	15	4	-7	-16	-21	-23	-17	-9	-1	7
66130	25	380	11	13	10	5	-1	-7	-10	-8	-4	5	15	23
66130	25	380	28	29	26	18	7	-4	-15	-22	-25	-22	-17	-9
66130	26	380	-1	5	8	9	5	1	-4	-9	-8	-6	1	9
66130	26	380	18	24	27	26	19	10	-3	-15	-23	-28	-26	-21
66130	27	380	-11	-2	6	11	12	9	4	-3	-8	-9	-7	0
66130	27	380	9	19	28	32	31	25	13	-2	-15	-25	-30	-29
66130	28	380	-21	-10	0	8	13	13	9	1	-7	-12	-15	-13
66130	28	380	-4	6	18	27	31	29	20	7	-7	-21	-30	-33
66130	29	380	-29	-19	-7	6	15	18	17	11	1	-6	-13	-14
66130	29	380	-10	0	13	25	34	37	33	24	8	-9	-21	-30
66130	30	380	-30	-22	-10	4	15	21	23	19	9	-3	-12	-19
66130	30	380	-17	-11	2	16	28	35	34	28	13	-3	-19	-31
66130	31	380	-35	-32	-21	-6	8	19	24	21	14	2	-10	-20
66130	31	380	-24	-24	-10	5	21	32	37	33	23	7	-10	-23
66130	1	480	-31	-31	-23	-9	8	21	30	31	25	13	-2	-14
66130	1	480	-23	-23	-16	-3	13	27	35	36	29	14	-2	-17
66130	2	480	-31	-35	-30	-18	-2	15	26	31	27	17	2	-12
66130	2	480	-25	-31	-28	-18	-3	11	22	28	24	15	-1	-16
66130	3	480	-30	-39	-37	-27	-12	6	19	29	30	24	11	-3
66130	3	480	-17	-26	-27	-21	-8	8	21	31	33	27	15	0
66130	4	480	-13	-24	-26	-21	-8	8	23	35	39	36	25	11
66130	4	480	-5	-17	-24	-23	-15	-1	12	23	28	26	18	4
66130	5	480	-10	-21	-27	-26	-17	-2	13	26	35	36	30	17
66130	5	480	3	-11	-20	-24	-19	-9	4	15	23	25	22	12
66130	6	480	0	-12	-19	-22	-16	-4	10	24	35	38	36	27
66130	6	480	13	-2	-15	-22	-23	-17	-6	5	15	19	19	14
66130	7	480	5	-5	-13	-17	-16	-10	2	14	26	35	37	33
66130	7	480	22	8	-5	-16	-22	-21	-14	-4	6	13	17	16
66130	8	480	11	3	-6	-12	-15	-12	-5	7	19	28	34	33
66130	8	480	27	17	4	-5	-18	-22	-23	-16	-6	1	7	10
66130	9	480	10	7	0	-5	-10	-11	-8	-1	8	20	28	32
66130	9	480	32	28	18	7	-6	-15	-22	-23	-18	-12	-3	4
66130	10	480	8	9	7	3	-1	-5	-7	-5	-1	8	16	23
66130	10	480	29	29	25	17	4	-9	-21	-29	-32	-29	-22	-12
66130	11	480	-3	5	8	9	6	2	-3	-7	-9	-5	1	11
66130	11	480	20	27	29	28	20	8	-7	-20	-29	-34	-32	-23
66130	12	480	-11	2	12	17	18	14	6	-3	-9	-14	-11	-4
66130	12	480	6	18	27	31	29	19	4	-13	-29	-42	-47	-44
66130	13	480	-32	-19	-3	8	14	14	8	-1	-12	-20	-22	-19
66130	13	480	-9	6	22	34	39	37	26	9	-10	-29	-41	-44
66130	14	480	-39	-24	-7	9	20	25	23	13	0	-14	-25	-30
66130	14	480	-25	-13	5	21	34	38	32	19	0	-22	-36	-51
66130	15	480	-51	-41	-24	-4	14	25	29	24	11	-5	-21	-32
66130	15	480	-36	-29	-14	4	22	35	38	32	16	-6	-26	-43
66130	16	480	-53	-51	-38	-18	3	20	31	31	22	7	-12	-27
66130	16	480	-36	-38	-27	-9	11	28	39	41	32	15	-6	-26
66130	17	480	-43	-48	-42	-28	-7	14	28	36	32	20	2	-18
66130	17	480	-33	-44	-42	-30	-9	10	27	36	35	26	10	-7
66130	18	480	-26	-38	-38	-29	-12	8	26	38	41	34	20	1
66130	18	480	-20	-37	-46	-43	-29	-11	8	22	28	27	17	2
66130	19	480	-13	-27	-34	-32	-19	-1	19	37	45	45	35	17
66130	19	480	-3	-24	-40	-46	-42	-29	-15	1	10	14	11	2
66130	20	480	-9	-19	-29	-33	-28	-15	3	22	34	44	41	27
66130	20	480	13	-8	-26	-36	-42	-36	-25	-12	2	10	15	13
66130	21	480	6	-3	-11	-16	-16	-11	2	18	33	43	47	42
66130	21	480	31	15	-1	-15	-26	-30	-27	-18	-8	2	10	14
66130	22	480	12	7	1	-7	-11	-13	-7	3	14	25	32	33
66130	22	480	29	19	5	-9	-20	-30	-33	-31	-23	-13	-4	4
66130	23	480	8	9	7	2	-2	-5	-6	-1	5	14	22	27
66130	23	480	29	27	19	99999999999999999999999999999999999999								

AANDERAA TIDE GAUGE

DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 415

DEPLOYMENT: 41501

TIME ZONE USED: CST (+6)

SAMPLING INTERVAL: 15 min

INTEGRATION TIME: _____

PREPARATION

INITIALIZATION DATE(DMY): 15/03/80 (075)

TIME RESET: _____

FIRST FIRE: 1600

THREAD TAPE: 1530

FIRST READING ON TAPE: 1600

SECOND READING ON TAPE: 1615

DIGI-PRINTER READINGS:

TIME	2100	2115
READINGS	55	455
	101	101
	98	98
	455 441	427

2100 455 / 101 / 98 / 425

TIME	2130	2145
READINGS	455	455
	101	101
	98	98
	423	431

2115 455 / 101 / 98 / 424

DEPLOYMENT

DEPLOYMENT DATE(DMY): 21/03/80 (081)

TIME IN WATER: 1350

TIME ON BOTTOM: 1352

LOCATION

LAT: 71° 40 ' '

LONG: 99° 42 '

OTHER: Arctic Tot near base camp.

RECOVERY

RECOVERY DATE(DMY): 23/04/80

TIME LEFT BOTTOM: 1615

TIME OUT OF WATER: 1620

TIME OF LAST FIRE: 2115

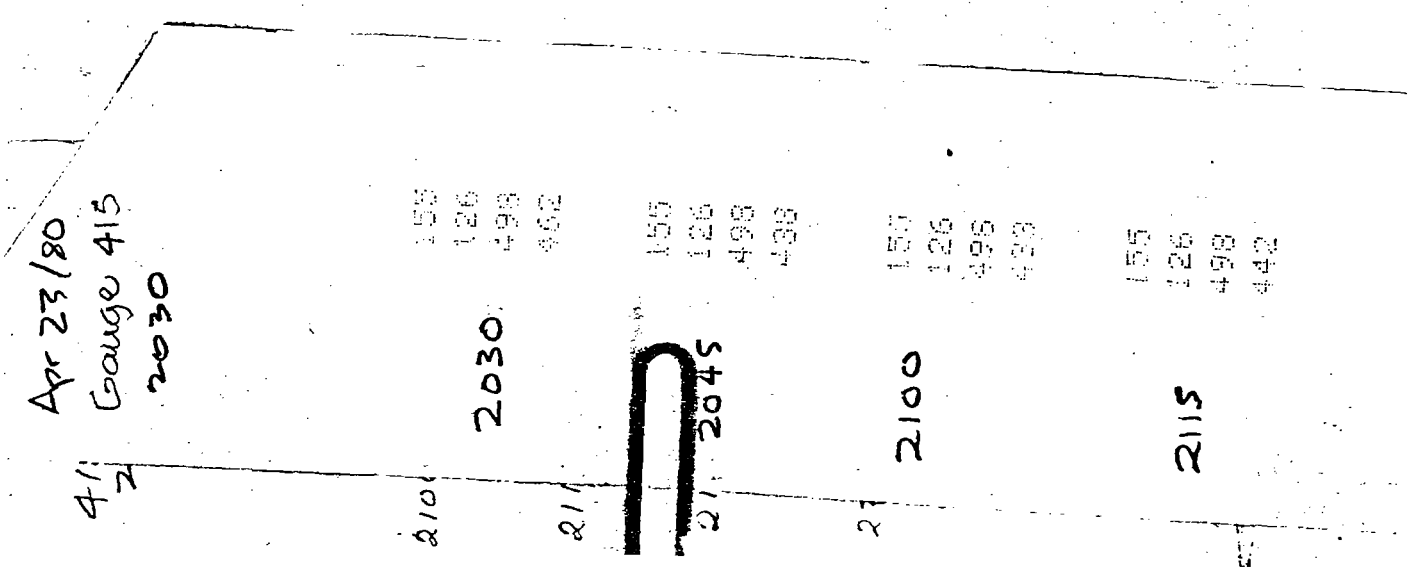
DIGI-PRINTER READINGS:

TIME	2030	TIME	2045
READINGS	155	READINGS	155
	126		126
	498		498
	462		438
TIME	2100	TIME	2115
READINGS	155	READINGS	155
	126		126
	498		498
	433		442

REMARKS AND OBSERVATIONS

BATTERY CHECK: 9-31 no load 9-26 DCV underload
Apr 23/80

At ~0815 V the gauge was housed to surface where we checked TATS transducer. It was lowered again ~ 0900.



WLR 5 #415

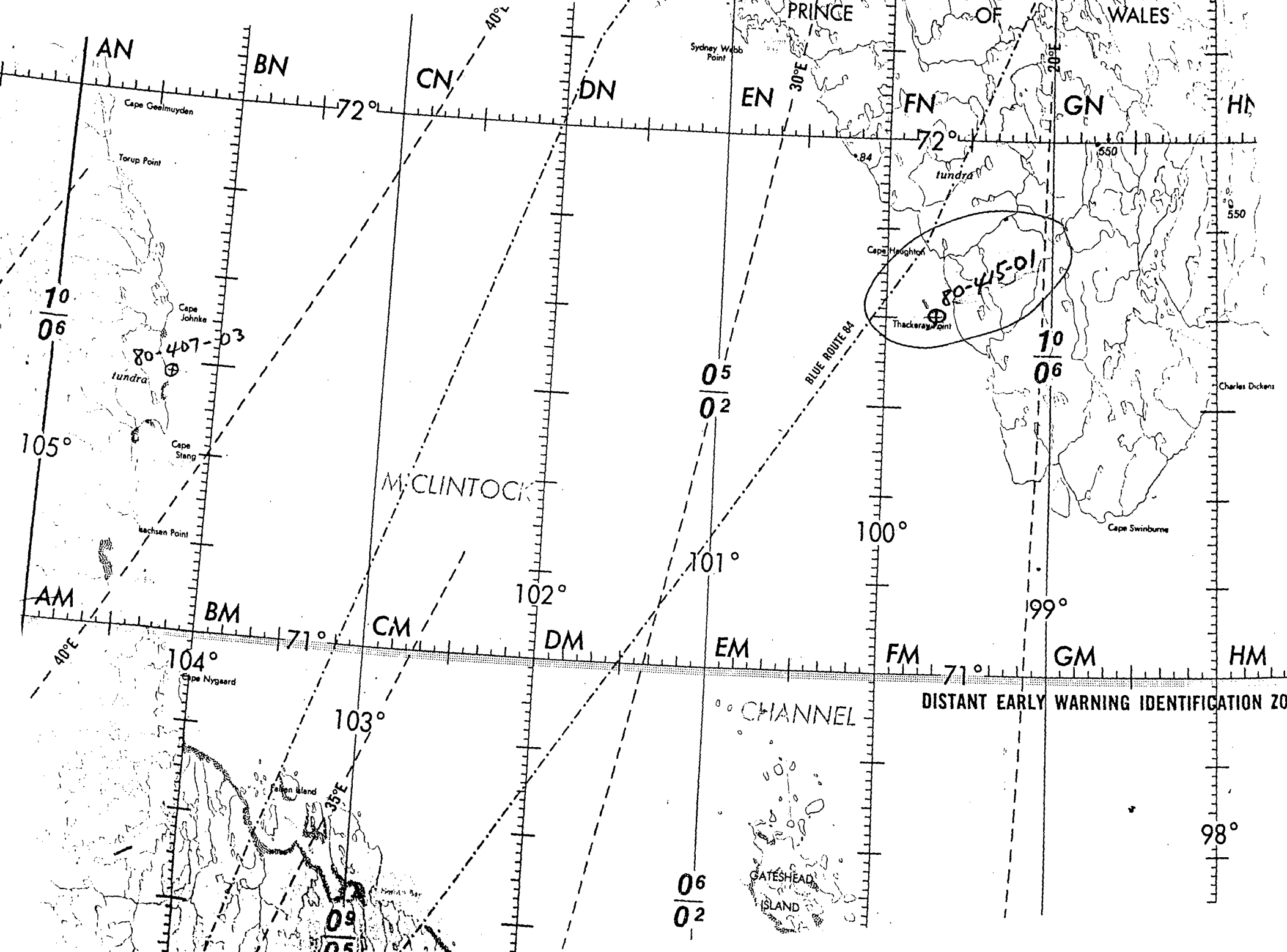
PARABOLIC FIT TO CALIBRATION DATA FOR PAROSCIENTIFIC SENSOR 3034 DAY 9 2 80

	PERIOD		PRESSURE		APPROXIMATION		DEVIATION
1	0.3642266D	7	0.1200625D	2	0.1200625D	2	0.00000
2	0.3692109D	7	0.2201026D	2	0.2200635D	2	-0.00391
3	0.3744126D	7	0.3201601D	2	0.3201126D	2	-0.00475
4	0,3798454D	7	0.4202006D	2	0.4201616D	2	-0.00390
5	0.3855293D	7	0.5202484D	2	0.5202484D	2	-0.00000
6	0.3914770D	7	0.6202770D	2	0.6202515D	2	-0.00255
7	0.3977206D	7	0.7203249D	2	0.7203394D	2	0.00145
8	0.4042754D	7	0.8203435D	2	0.8203601D	2	0.00166
9	0.4111764D	7	0.9203904D	2	0.9204254D	2	0.00350
10	0.4184495D	7	0.1020456D	3	0.1020456D	3	0.00000

PRESSURE = A*(1-X0/X) - B*(1-X0/X)**2
X = PERIOD AVERAGE=CH3*1024+CH4+3*1024**2 PRESSURE IN P.S.I.A.

X0 = 3585058.527 A = 770.821 B = 408.158

R.M ERROR OF FIT =0.003


AN
BN
CN
DN
EN
FN
GN
HN
AM
BM
CM
DM
EM
FM
GM
HM
72°
71°
105°
104°
103°
102°
101°
100°
99°
98°
40°E
30°E
20°E
35°E
PRINCE OF WALES
Sydney Webb Point
Cape Geelmuyden
Torup Point
Cape Johnke
Cape Stang
Sachsen Point
Cape Nygaard
Fallen Island
Cape Haughton
Thackeray Point
Charles Dickens
Cape Swinburne
tundra
84
550
BLUE ROUTE 84
80-407-03
80-415-01
M'CLINTOCK CHANNEL
GATESHEAD ISLAND
DISTANT EARLY WARNING IDENTIFICATION ZO
10/06
05/02
06/02
09/05

FORM 1

DATE NOV. 29/83

TEMPORARY DEPLOYMENT WORK SHEET,
DATA SHEET AND PROCESSING SUMMARY
FOR 80-415-01

A. SUMMARY OF INFORMATION RECEIVED

ANALOGUE RECORDS		COMPARISON FORM	
1/4" MAGNETIC TAPE	✓	DEPLOYMENT FORM	✓
EPROM		CALIBRATION FORM	✓
LEVELLING NOTES		502 FORM	
LOCATION MAP	✓	B. M PHOTOGRAPHS	

B. GENERAL INFORMATION

LOCATION THACKERAY POINT, PRINCE OF WALES IS.
LATITUDE 71° 40'
LONGITUDE 99° 42'
TIME ZONE OF OBSERVATIONS CST (+6)
PERIOD OF RECORD: START(HHMM/DD/MM/YY) 1000/23/03/80
END (HHMM/DD/MM/YY) 1600/23/04/80
NO. OF DAYS OF DATA 31
NO. OF DAYS ANALYSED 31

C. PRODUCTION HISTORY

DATE RECEIVED
DATE PROCESSING COMPLETED Dec 9/83
DATE CHECKING COMPLETED
DATE SENT TO H.Q.
DATE SENT TO MEDS
DATE RETURNED FROM MEDS
DATE FILE COMPLETED

Date [illegible]

FORM 3

PROCESSING CHECKLIST FOR SUBMERSIBLE TIDE GAUGE
AT 80-415-01

1. Gauge data: Model WLR-5 Range 0-60 m

Sampling interval 15 min Integration time _____

Calibration: Pressure: Date Feb 9/80 Units PSI

Coefficients _____ a 770.821

_____ b 408.158

_____ t_o 3585058.527

_____

Temperature : Date _____ Baseword _____

Coefficients _____

_____

_____

_____

2. Processing data:

Translator CCIW

First data on Tape (time and day) 1600/075

First pressure words and time after deployment 727 691 (1400/081)

First pressure words & time after recovery 505 95 (1615/114)

3. Results: 1. Pressure - maximum ~~3039.80~~ 3032.97 mB minimum 2931.99 mB

range ~~107.81~~ mB offset 2900. + 86.

2. Plots data - hourly 100.98 residuals _____

3. Processing problems

9 samples translated incorrectly, only one during deployment. These bad samples starting at #748, correspond to a shift in record at 0915/083 of approximately 28 cm ~~[illegible]~~ ? - pressed starting at 1000 on day 083

gauge lifted to check TAT-5, then re-deployed

4. Master Filing _____

80-415-01 66130 Thackeray Point
Prince of Wales Is.

- 9 samples translated incorrectly, only one during deployment
- three bad records starting at # 748 and an apparent shift in record (≈ 20 cm) correspond to the time the gauge was lifted out to check VADS operation, and then re-deployed.
- dropped first 2 days of record when analyses rather than attempting to correct for the geo shift when re-deployed.

- first monitor checks okay & confirms first sample on tape at 1600/075

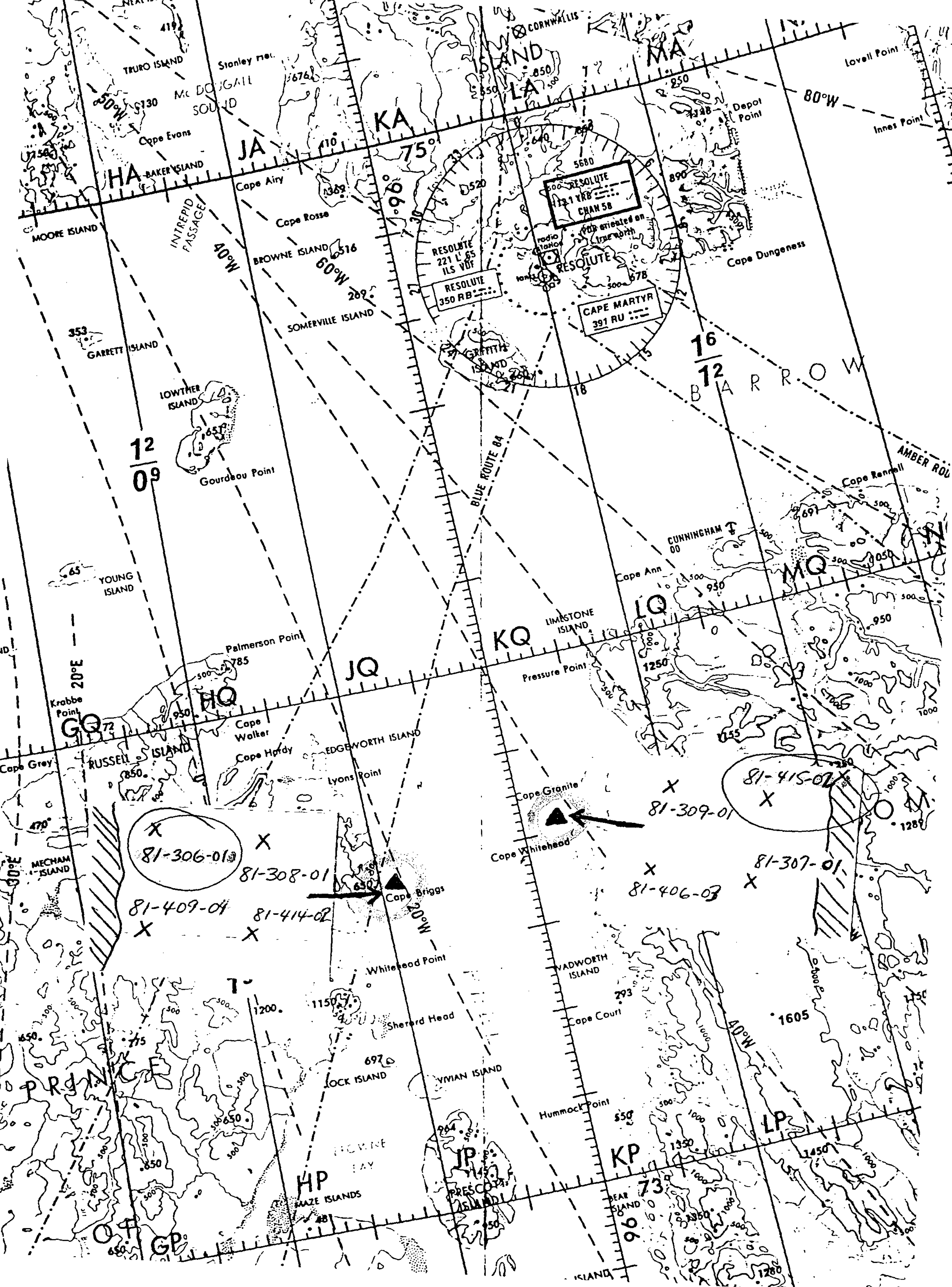
- gauge on bottom 1352/081 — analysis gives first good sample at 1400/081

- ending monitor okay — time for first bad sample from bottom is 1615/114 & appears to be in ~~water~~ water column
- last good sample on analysis from top 1600/
- deployment form starts recovery at 1615
* - times seem to match okay

- dropped first 2 days of day.
- analysed with Rayleigh of 0.98 since record was short about dozen samples to get 36 constituents

81-0007

1981 Survey - Information received from Rick Sandilands of Canadian Hydrographic Service, Burlington, Ontario.


TRURO ISLAND
Stanley Hd.
McDOUGALL SOUND
Cape Evans
BAKER ISLAND
Cape Airy
MOORE ISLAND
INTREPID PASSAGE
Cape Rosse
BROWNE ISLAND
SOMERVILLE ISLAND
GARRETT ISLAND
LOWTHER ISLAND
Gourdeau Point
YOUNG ISLAND
Palmerson Point
Krabbe Point
Cape Walker
Cape Hardy
EDGEWORTH ISLAND
Lyons Point
Cape Grey
RUSSELL ISLAND
MECHAM ISLAND
CORNWALLIS
ISLAND
Lovell Point
Depot Point
Innes Point
RESOLUTE 113.1 YRB CHAN 58
Rose oriented on true north
radio station
RESOLUTE
RESOLUTE 221 L' 65 ILS VDF
RESOLUTE 350 RB
CAPE MARTYR 391 RU
GRIFFITH ISLAND
Cape Dungeness
BARROW
AMBER ROUTE
Cape Rennell
CUNNINGHAM
Cape Ann
LIMESTONE ISLAND
Pressure Point
Cape Granite
Cape Whitehead
Cape Briggs
BLUE ROUTE 84
Whitehead Point
Sherard Head
ROCK ISLAND
VIVIAN ISLAND
Hummock Point
WADWORTH ISLAND
Cape Court
MAZE ISLANDS
PRESCOTT ISLAND
BEAR ISLAND
PRINCE OF
81-306-01
81-308-01
81-409-04
81-414-02
81-309-01
81-406-03
81-307-01
81-415-02

81-306-01

STATION NUMBER	STATION NAME	ZONE	LAT	LONG	ANALYSIS LENGTH	ANALYSIS C.T.
30601	N.W. FEEL SOUND	CST	7338 NORTH	9654 WEST	44 DAYS	481 MOYR

REFERENCE STATION - 5560

Z0 1.212 (C.T. 481)

CONSTITUENT	AMPLITUDE	PHASE GMT		CONSTITUENT	AMPLITUDE	PHASE
MM	.031	334.1		MSF	.017	272.5
2Q1	.006	226.1		Q1	.017	154.7
O1	.071	179.4		NO1	.007	235.3
P1	.033	247.5		K1	.098	251.4
J1	.007	327.7		OO1	.006	312.4
MU2	.013	292.1		N2	.046	344.4
M2	.224	358.3	172.2	L2	.009	16.5
S2	.088	49.2		K2	.025	42.6
MO3	.006	7.4		M3	.004	164.7
MK3	.003	174.2		SK3	.005	41.5
MN4	.001	95.7		M4	.004	95.8
MS4	.004	183.6		S4	.001	217.6
2MN6	.001	183.0		M6	.001	128.6
2MS6	.002	200.0		2SM6	.001	228.2

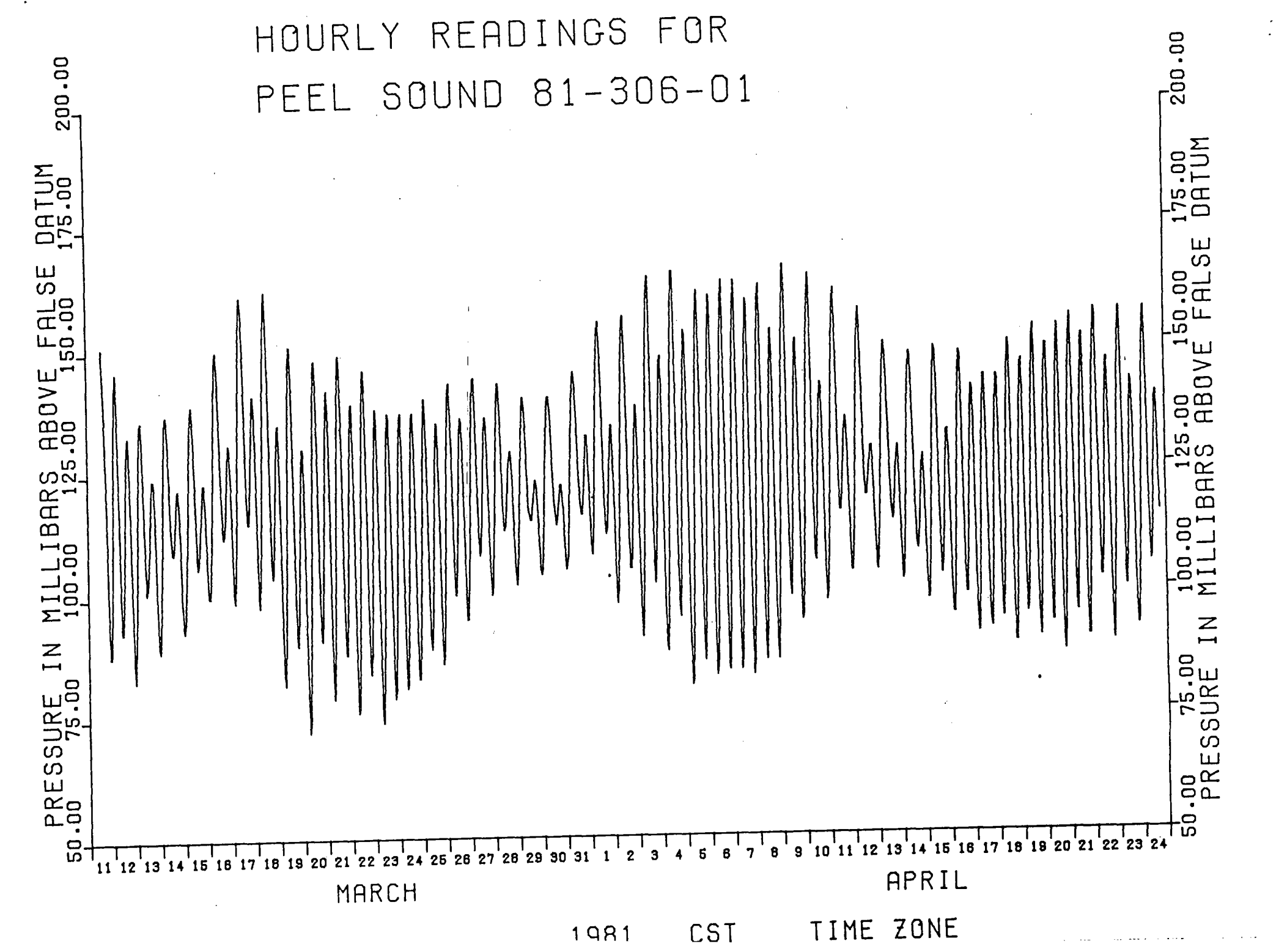
AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
51	2.55	72	1.38	42	.13	.25	.51	.37

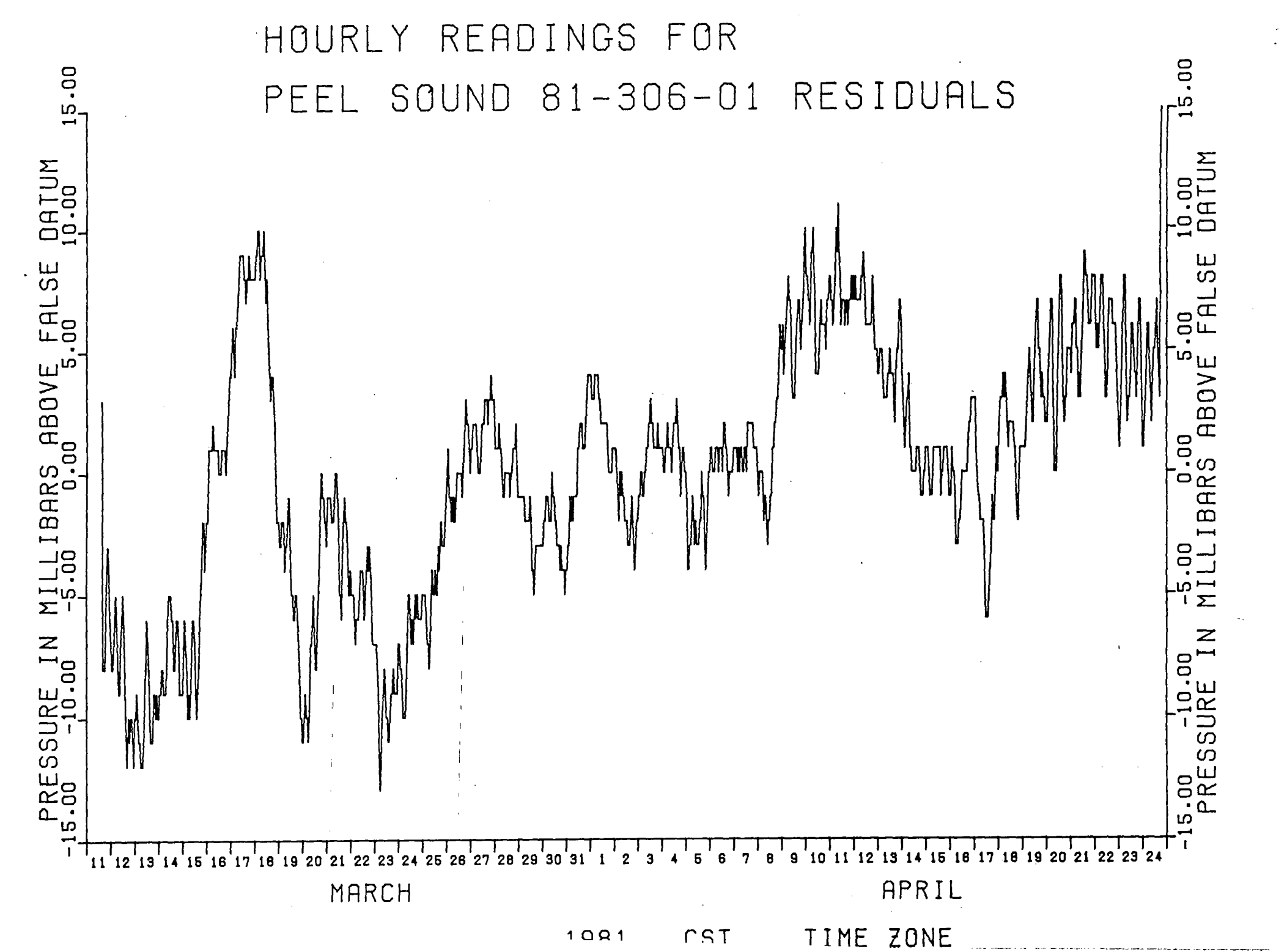
MEAN TIDES, TIMES AND HEIGHTS

1309	1.6	5	1.4	1928	1.0	605	.9
HHW		LHW		HLW		LLW	

LARGE TIDES		RANGES	
1.7	.6	.7	1.1
HHW	LLW	MT	LT

HEIGHT VALUES ARE EXPRESSED IN METRES
DATE AND TIME OF THE COMPUTER RUN 82/06/10. - 13.32.49.


HOURLY READINGS FOR
PEEL SOUND 81-306-01
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
50.00
75.00
100.00
125.00
150.00
175.00
200.00
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
MARCH
APRIL
1981 CST TIME ZONE


HOURLY READINGS FOR
PEEL SOUND 81-306-01 RESIDUALS
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
15.00
10.00
5.00
0.00
-5.00
-10.00
-15.00
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
MARCH
APRIL
1981 CST TIME ZONE

ON 30601 PRELIMINARY RESULTS

ITUENT	FREQUENCY	C	ERR	S	ERR
Z0	0.00000000	1.212	.002	0.000	.000
MM	.00151215	.028	.003	.014	.002
MSF	.00282193	.012	.002	-.011	.002
ALP1	.03439657	.003	.002	-.007	.002
2Q1	.03570635	.001	.002	-.005	.002
Q1	.03721850	-.001	.002	-.016	.002
O1	.03873065	.062	.002	-.016	.002
NO1	.04026859	-.003	.002	-.007	.002
K1	.04178075	.003	.002	-.062	.002
J1	.04329290	.004	.002	.005	.002
001	.04483084	.003	.002	.003	.002
UPS1	.04634299	.001	.002	-.000	.002
EPS2	.07617732	.003	.002	.000	.002
MU2	.07768947	.002	.002	.013	.002
N2	.07899925	-.029	.002	.040	.002
M2	.08051140	-.221	.002	-.061	.002
L2	.08202355	.003	.002	-.006	.002
S2	.08333333	.031	.002	-.103	.002
ETA2	.08507364	.002	.002	.003	.002
MO3	.11924206	.006	.002	.001	.002
M3	.12076710	.001	.002	-.004	.002
MK3	.12229215	.002	.002	.002	.002
SK3	.12511408	.003	.002	-.004	.002
MN4	.15951065	.000	.002	.001	.002
M4	.16102280	-.003	.002	.003	.002
SN4	.16233258	.000	.002	-.000	.002
MS4	.16384473	-.001	.002	-.004	.002
S4	.16666667	.001	.002	-.001	.002
2MK5	.20280355	-.000	.002	-.000	.002
2SK5	.20644741	-.000	.002	-.000	.002
2MN6	.24002205	.000	.002	-.001	.002
M6	.24153420	.001	.002	-.000	.002
2MS6	.24435613	-.001	.002	.002	.002
2SM6	.24717807	-.001	.002	-.000	.002
3MK7	.28331495	.000	.002	.000	.002
M8	.32204560	-.000	.002	.000	.002

ER OF VALID DATA = 1059 AVERAGE = 1.21 STANDARD DEVIATION = .20

RETICAL RMS = .05 MATRIX CONDITION = .37

OF THE RESIDUES= .05

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 30601 15H 11/ 3/81 TO 18H 24/ 4/81

NO.OBS.= 1060 NO.PTS.ANAL.= 1060 MIDPT=16H 2/ 4/81 SEPARATION =1.00

TIME ZONE= CST LATITUDE=73D 38M LONGITUDE= 96D 54M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/ M-Y	A	G	AL	GL
1	Z0	0.00000000	381- 481	1.2121	0.00	1.2121	0.00
2	MM	.00151215	381- 481	.0314	334.10	.0314	26.03
3	MSF	.00282193	381- 481	.0169	272.49	.0169	317.22
4	ALP1	.03439657	381- 481	.0076	225.18	.0071	293.07
5	2Q1	.03570635	381- 481	.0056	226.12	.0053	284.94
6	Q1	.03721850	381- 481	.0174	154.67	.0160	267.39
7	O1	.03873065	381- 481	.0711	179.39	.0636	345.76
8	NO1	.04026859	381- 481	.0067	235.28	.0072	247.10
9	K1	.04179075	381- 481	.0662	246.18	.0621	273.03
10	J1	.04329290	381- 481	.0068	327.69	.0066	55.54
11	OO1	.04483084	381- 481	.0055	312.42	.0042	38.03
12	UPS1	.04634299	381- 481	.0009	199.95	.0007	333.16
13	EPS2	.07617732	381- 481	.0030	268.64	.0032	4.69
14	MU2	.07768947	381- 481	.0130	292.09	.0134	83.16
15	N2	.07899925	381- 481	.0462	344.44	.0492	126.11
16	M2	.08051140	381- 481	.2243	358.25	.2296	195.33
17	L2	.08202355	381- 481	.0095	16.52	.0069	65.65
18	S2	.08333333	381- 481	.1074	46.82	.1073	286.73
19	ETA2	.08507364	381- 481	.0044	117.54	.0038	58.76
20	MO3	.11924206	381- 481	.0065	7.41	.0059	10.36
21	M3	.12076710	381- 481	.0036	164.69	.0038	280.06
22	MK3	.12229215	381- 481	.0030	174.18	.0029	38.11
23	SK3	.12511408	381- 481	.0048	41.53	.0045	308.29
24	MN4	.15951065	381- 481	.0011	95.71	.0012	74.44
25	M4	.16102280	381- 481	.0039	95.78	.0041	129.93
26	SN4	.16233258	381- 481	.0002	302.16	.0003	323.75
27	MS4	.16384473	381- 481	.0043	183.64	.0044	260.61
28	S4	.16666667	381- 481	.0015	217.57	.0015	337.38
29	2MK5	.20280355	381- 481	.0001	183.55	.0001	244.55
30	2SK5	.20844741	381- 481	.0001	56.24	.0001	202.90
31	2MN6	.24002205	381- 481	.0007	103.01	.0008	278.82
32	M6	.24153420	381- 481	.0014	128.65	.0015	359.87
33	2MS6	.24435613	381- 481	.0016	199.95	.0017	114.00
34	2SM6	.24717807	381- 481	.0008	228.25	.0008	185.13
35	3MK7	.28331495	381- 481	.0005	108.52	.0005	6.59
36	M8	.32204560	381- 481	.0003	35.10	.0003	103.39

NALYSIS OF HOURLY TIDAL HEIGHTS STN 30601 15H 11/ 3/81 TO 18H 24/ 4/81

O.OBS.= 1060 NO.PTS.ANAL.= 1060 MIOPT=15H 2/ 4/81 SEPARATION =1.00

IME ZONE= CST LATITUDE=73D 39M LONGITUDE= 96D 54M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	N-Y	A	G		AL	GL
1	Z0	0.00000000	381-	481	1.2121	0.00		1.2121	0.00
2	MN	.00151215	381-	481	.0314	334.10		.0314	26.03
3	MSF	.00282193	381-	481	.0169	272.49		.0169	317.22
4	ALP1	.03439657	381-	481	.0076	225.18		.0071	293.07
5	2Q1	.03570635	381-	481	.0056	226.12		.0053	284.94
6	Q1	.03721850	381-	481	.0174	154.67		.0160	267.39
7	O1	.03873065	381-	481	.0711	179.39		.0636	345.76
8	NO1	.04026859	381-	481	.0067	235.26		.0072	247.10
9	P1	.04155259	381-	481	.0333	247.52	INF FR K1	.0335	109.02
10	K1	.04178075	381-	481	.0977	251.42		.0916	278.27
11	J1	.04329290	381-	481	.0068	327.69		.0066	55.54
12	001	.04463084	381-	481	.0055	312.42		.0042	38.03
13	UPS1	.04534299	381-	481	.0009	199.95		.0007	333.16
14	EPS2	.07617732	381-	481	.0030	268.64		.0032	4.69
15	MU2	.07768947	381-	481	.0130	292.09		.0134	83.16
16	N2	.07899925	381-	481	.0452	344.44		.0492	126.11
17	M2	.08051140	381-	481	.2243	358.25		.2296	195.33
18	L2	.08202355	381-	481	.0095	16.52		.0069	65.65
19	S2	.08333333	381-	481	.0835	49.20		.0884	289.11
20	K2	.08356149	381-	481	.0253	42.60	INF FR S2	.0213	275.79
21	ETA2	.08507364	381-	481	.0044	117.54		.0038	58.76
22	MO3	.11924206	381-	481	.0065	7.41		.0059	10.86
23	M3	.12076710	381-	481	.0036	164.69		.0038	280.06
24	MK3	.12229215	381-	481	.0030	174.18		.0029	38.11
25	SK3	.12511408	381-	481	.0048	41.53		.0045	308.29
26	MN4	.15951065	381-	481	.0011	95.71		.0012	74.44
27	M4	.16102260	381-	481	.0039	95.78		.0041	129.93
28	SN4	.16233258	381-	481	.0002	302.18		.0003	323.75
29	MS4	.16384473	381-	481	.0043	183.64		.0044	260.61
30	S4	.16666667	381-	481	.0015	217.57		.0015	337.38
31	2MK5	.20280355	381-	481	.0001	183.55		.0001	244.55
32	2SK5	.20844741	381-	481	.0001	56.24		.0001	202.90
33	2MN6	.24002205	381-	481	.0007	103.01		.0008	278.82
34	M6	.24153420	381-	481	.0014	128.65		.0015	358.87
35	2MS6	.24435613	381-	481	.0016	199.95		.0017	114.00
36	2SM6	.24717807	381-	481	.0008	228.25		.0008	185.13
37	3MK7	.28331495	381-	481	.0005	108.52		.0005	6.59
38	M8	.32204560	381-	481	.0003	35.10		.0003	103.39

AFTER INFERENCE, RMS(RESID ERROR)= .05212

PARABOLIC FIT TO CALIBRATION DATA FOR PAROSCIENTIFIC SENSOR 3029 DAY 11 E --

	PERIOD		PRESSURE		APPROXIMATION		DEVIATION
1	0.3646921D	7	0.1200566D	2	0.1200566D	2	-0.00000
2	0.3687934D	7	0.2200826D	2	0.2201115D	2	0.00269
3	0.3730400D	7	0.3201438D	2	0.3202010D	2	0.00572
4	0.3774363D	7	0.4201918D	2	0.4202264D	2	0.00346
5	0.3819937D	7	0.5202371D	2	0.5202371D	2	0.00000
6	0.3867235D	7	0.6202629D	2	0.6202568D	2	-0.00061
7	0.3916406D	7	0.7203085D	2	0.7203588D	2	0.00503
8	0.3967492D	7	0.8203248D	2	0.8203797D	2	0.00549
9	0.4020669D	7	0.9203703D	2	0.9204060D	2	0.00357
10	0.4076082D	7	0.1020433D	3	0.1020433D	3	-0.00000

PRESSURE = A*(1-X0/X) - B*(1-X0/X)**2
X = PERIOD AVERAGE=CH3*1024+CH4+3*1024**2 PRESSURE IN P.S.I.A.

X0 = 3599495.166 A = 929.518 B = 485.597

R.M.S. ERROR OF FIT =0.003

AANDERAA TIDE GAUGE

DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 306

TIME ZONE USED: CST

SAMPLING INTERVAL: 15

Range 60 metres

PREPARATION

INITIALIZATION DATE(DMY): MAR 8, 1981

TIME RESET: 1749

FIRST FIRE: 1745

THREAD TAPE: 1750

FIRST READING ON TAPE: 1800

SECOND READING ON TAPE: 1815

DIGI-PRINTER READINGS:

TIME 1200

READINGS 112
1
323
915

TIME 1815

READINGS 112
1
506
125
942

TIME 1830

READINGS 112
1
500
130
944

TIME 1845

READINGS 112
1
500
126
948

DEPLOYMENT

DEPLOYMENT DATE(DMY): 11/3/81

TIME IN WATER: 1500

TIME ON BOTTOM:

LOCATION

LAT:

LONG:

OTHER:

N-W Pool Sound

RECOVERY

RECOVERY DATE(DMY): 24/4/81

TIME LEFT BOTTOM: 1835

TIME OUT OF WATER:

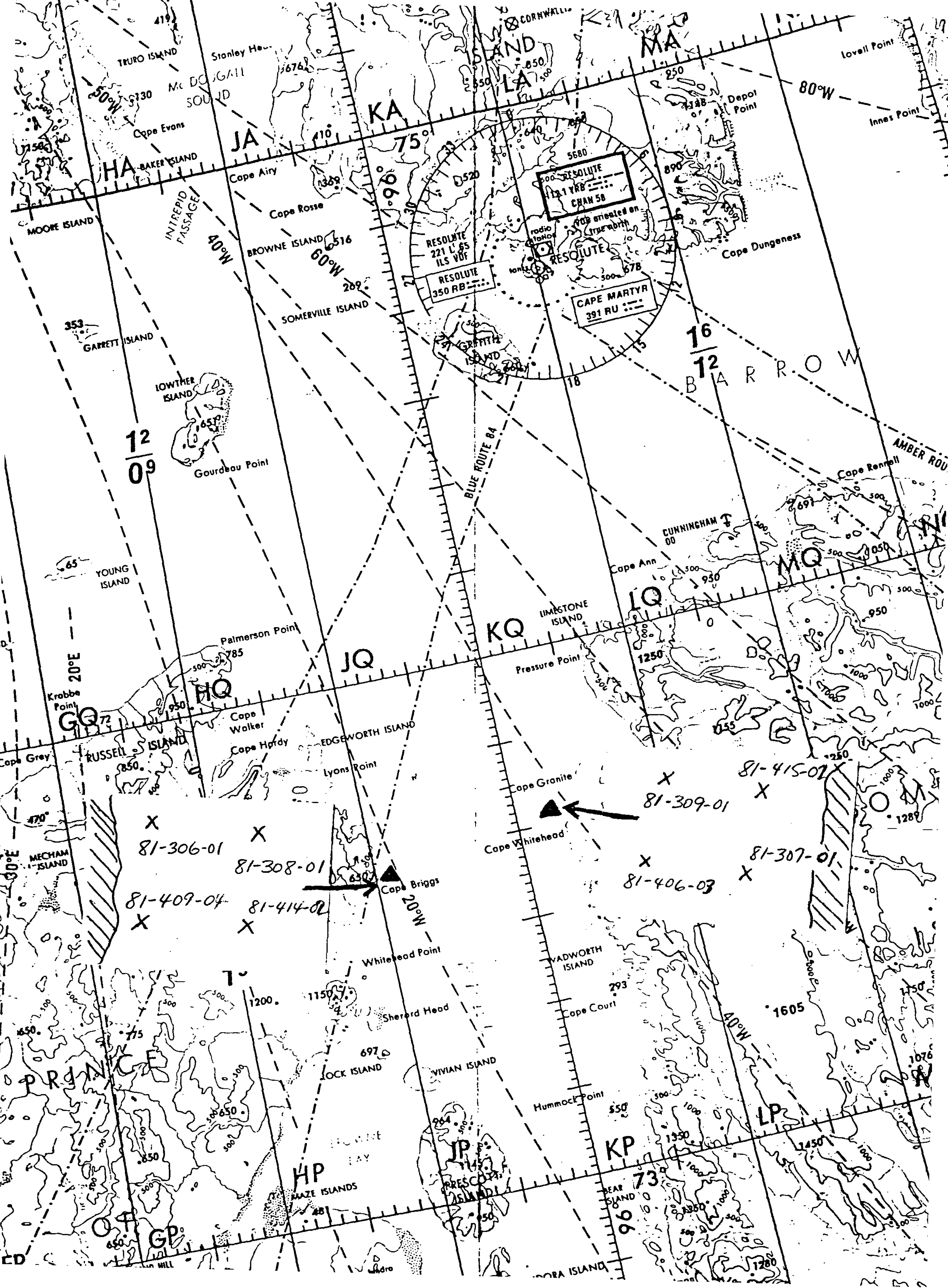
TIME OF LAST FIRE: 2000 25/4/81

DIGI-PRINTER READINGS:

TIME	1500	1515
READINGS	112	112
	192	192
	500	500
	568	556
	979	983
TIME	1530	1545
READINGS	112	112
	192	192
	500	500
	549	537
	985	984

REMARKS AND OBSERVATIONS

BATTERY CHECK: 12.0


CORNWALLIS
ISLAND
LA
MA
Lovell Point
TRURO ISLAND
Stanley Head
McDOUGALL SOUND
80°W
Depot Point
Innes Point
50°W
Cape Evans
KA
JA
75°
HA
BAKER ISLAND
Cape Airy
RESOLUTE
113.1 YRB
CHAN 58
VOR oriented on true north
radio station
RESOLUTE
RESOLUTE 221 L 65 ILS VOR
RESOLUTE 350 RB
CAPE MARTYR 391 RU
MOORE ISLAND
INTREPID PASSAGE
Cape Rosse
BROWNE ISLAND
Cape Dungeness
40°W
60°W
SOMERVILLE ISLAND
GRIFFITH ISLAND
GARRETT ISLAND
LOWTHER ISLAND
BARROW
AMBER ROUTE
Gourdeau Point
BLUE ROUTE 84
Cape Rennell
CUNNINGHAM
YOUNG ISLAND
Cape Ann
MQ
LQ
LIMESTONE ISLAND
Palmerson Point
KQ
JQ
Pressure Point
20°E
Krabbe Point
HQ
GQ
Cape Walker
Cape Grey
RUSSELL ISLAND
Cape Hardy
EDGEWORTH ISLAND
Lyons Point
Cape Granite
81-415-01
81-309-01
81-306-01
81-308-01
MECHAM ISLAND
Cape Whitehead
81-307-01
81-406-03
81-409-04
81-414-02
Cape Briggs
20°W
Whitehead Point
WADWORTH ISLAND
Cape Court
40°W
Sherard Head
PRINCE
ROCK ISLAND
VIVIAN ISLAND
Hummock Point
JP
KP
LP
HP
MAZE ISLANDS
PRESCOTT ISLAND
BEAR ISLAND
73
96
GP
OF
DORA ISLAND

TIDAL ANALYSIS INFORMATION SHEET

STATION NO: 8[illegible]
LOCATION: Northern Puget Sound - [illegible]

PERIOD OF OPERATION: [illegible]
TIME ZONE: [illegible]
GAUGE DATA: 1) Model - WLR5
2) Range - 0 - 60 m.
3) Calibration Coefficients - 3

Pressure - A: 979.548
- B: 425.597
-
- F = 3599425.136

PROCESSING DATA:

1) Gauge Zero -
2) Gravity Correction -
3) Atmospheric Pressure - [illegible]
4) Water Density -
5) Temperature -

PROCESSING PROBLEMS:

1) Aanderaa Translation - [illegible]

2) Calibration -

3) Reformatting - [illegible]

4) Water Levels - [illegible]

5) Master Filing - [illegible]

112	1	500	125	
112	1	500	125	
112	1	500	130	
112	1	500	126	
112	1	500	121	19
112	1	500	114	
112	1	500	126	
112	1	500	123	
112	1	500	136	20
112	1	500	127	
112	1	500	129	
112	1	500	130	
112	1	500	127	21
112	1	500	126	
112	1	500	118	
112	1	500	111	
112	1	500	109	22
112	1	500	101	
112	1	500	88	
112	1	500	79	
112	1	500	65	23
112	1	500	56	
112	1	500	56	
112	2	500	50	
112	2	500	45	24
112	2	500	45	
112	2	500	32	
112	2	500	26	
112	2	500	17	1
112	2	500	12	
112	2	499	1023	
112	2	499	1015	
112	2	499	1007	2
112	2	499	1002	
112	2	499	1004	
112	2	499	1000	
112	2	499	990	3
112	2	499	984	
112	2	499	975	
112	2	499	963	
112	2	499	958	4
112	2	499	947	
112	2	499	933	
112	2	499	918	
112	2	499	903	5
112	2	499	899	
112	2	499	886	
112	3	499	881	
112	3	499	881	6
112	3	499	872	
112	3	499	877	
112	3	499	870	
112	3	499	859	7
112	3	499	854	
112	3	499	851	
112	3	499	847	
112	3	499	841	8
112	3	499	835	
112	3	499	828	
112	3	499	822	
112	3	499	815	9
112	3	499	814	
112	3	499	809	
112	3	499	802	
112	3	499	794	10
112	3	499	793	
112	3	499	790	
112	3	499	781	
112	3	499	778	11
112	3	499	780	
112	3	499	776	
112	4	499	769	
112	4	499	768	12
112	4	499	765	
112	4	499	758	
112	4	499	760	
112	4	499	758	13
112	4	499	759	
112	4	499	757	
112	4	499	757	
112	4	499	750	14
112	4	499	755	
112	4	499	761	
112	4	499	761	
112	4	499	759	15

NW Pool Sound
North of Cape Berge

81-41502

STATION NUMBER	NAME	ZONE	LAT	LONG	ANALYSIS LENGTH	ANALYSIS C.T.
41502	N.E. PEEL SOUND	CST	7342 NORTH	9545 WEST	39 DAYS	481 MOYR

REFERENCE STATION - 5560

Z0 .817 (C.T. 481)

CONSTITUENT	AMPLITUDE	PHASE		CONSTITUENT	AMPLITUDE	PHASE
MM	.040	359.2		MSF	.020	241.5
2Q1	.004	217.9		Q1	.021	156.9
O1	.070	182.6		NO1	.003	224.4
P1	.027	250.1		K1	.080	254.0
J1	.003	317.0		OO1	.006	300.2
MU2	.014	274.5		N2	.052	332.9
M2	.259	345.5	159.4	L2	.014	355.1
S2	.104	39.2		K2	.030	32.6
MO3	.008	12.2		M3	.003	190.0
MK3	.002	172.6		SK3	.005	64.7
MN4	.002	104.0		M4	.004	104.0
MS4	.004	190.5		S4	.001	234.4
2MN6	.001	76.2		M6	.001	113.2
2MS6	.002	194.7		2SM6	.001	243.4

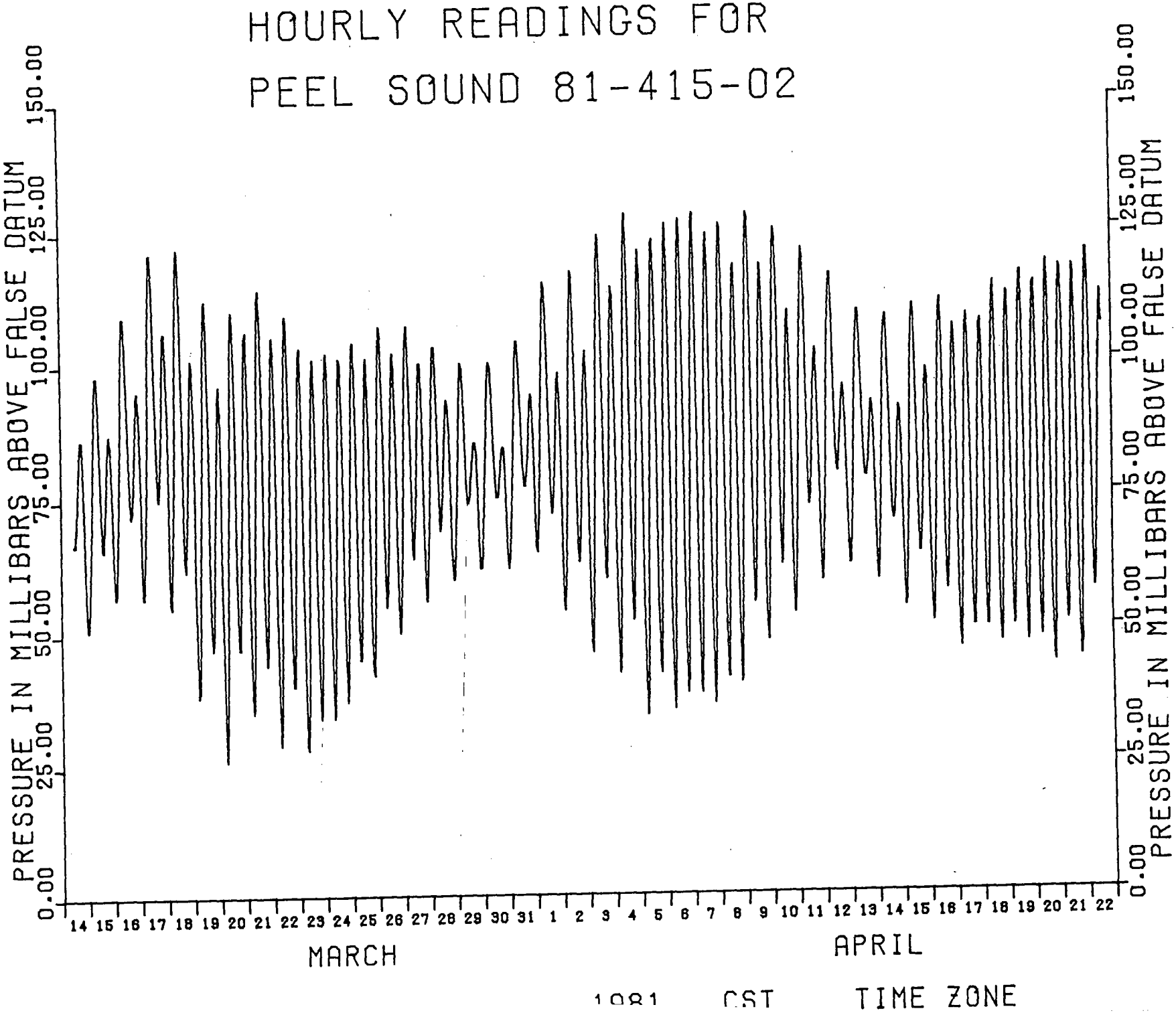
AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
54	2.49	71	1.14	47	.11	.29	.38	.40

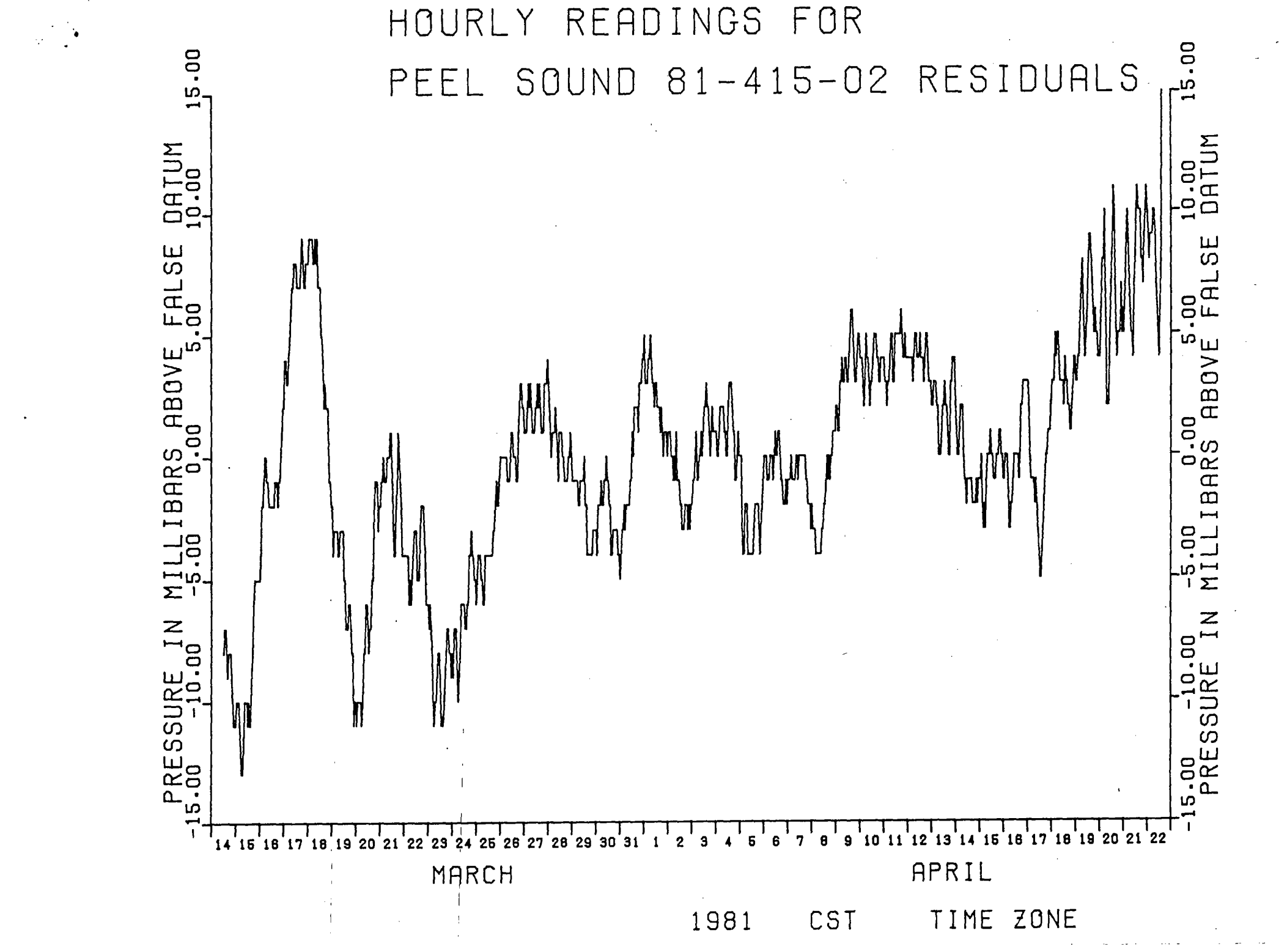
MEAN TIDES, TIMES AND HEIGHTS

1240	1.2	2441	1.0	1857	.6	549	.4
HHW		LHW		HLW		LLW	

LARGE TIDES		RANGES	
1.3	.2	.7	1.1
HHW	LLW	MT	LT

HEIGHT VALUES ARE EXPRESSED IN METRES
DATE AND TIME OF THE COMPUTER RUN 82/06/10. - 14.33.44.


HOURLY READINGS FOR
PEEL SOUND 81-415-02
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
0.00
25.00
50.00
75.00
100.00
125.00
150.00
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
MARCH
APRIL
1981 CST TIME ZONE


HOURLY READINGS FOR
PEEL SOUND 81-415-02 RESIDUALS
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
15.00
10.00
5.00
0.00
-5.00
-10.00
-15.00
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
MARCH
APRIL
1981 CST TIME ZONE

ON 41502 PRELIMINARY RESULTS

ITUENT	FREQUENCY	C	ERR	S	ERR
Z0	0.00000000	.817	.002	0.000	.000
MM	.00151215	.028	.002	.029	.002
MSF	.00282193	.002	.002	-.020	.002
ALP1	.03439657	-.005	.002	-.003	.002
2Q1	.03570635	-.004	.002	.001	.002
Q1	.03721850	-.017	.002	.010	.002
O1	.03873065	-.045	.002	-.043	.002
NO1	.04026859	-.001	.002	.003	.002
K1	.04178075	-.038	.002	.033	.002
J1	.04329290	-.000	.002	-.003	.002
OO1	.04483084	-.002	.002	-.004	.002
UPS1	.04634299	.000	.002	-.001	.002
EPS2	.07617732	-.002	.002	.004	.002
MU2	.07768947	-.014	.002	.002	.002
N2	.07899925	-.043	.002	-.035	.002
M2	.08051140	.054	.002	-.260	.002
L2	.08202355	-.008	.002	.007	.002
S2	.08333333	.125	.002	.014	.002
ETA2	.08507364	-.003	.002	.001	.002
MO3	.11924206	.007	.002	-.001	.002
M3	.12076710	.010	.002	-.003	.002
MK3	.12229215	.002	.002	.000	.002
SK3	.12511408	.001	.002	-.005	.002
MN4	.15951065	.001	.002	-.002	.002
M4	.16102280	.004	.002	-.002	.002
SN4	.16233258	-.000	.002	.000	.002
MS4	.16384473	-.000	.002	.004	.002
S4	.16666667	-.001	.002	.000	.002
2MK5	.20280355	-.000	.002	-.000	.002
2SK5	.20844741	-.000	.002	-.000	.002
2MN6	.24002205	-.001	.002	-.000	.002
M6	.24153420	.000	.002	-.001	.002
2MS6	.24435613	.002	.002	.001	.002
2SM6	.24717807	-.000	.002	.001	.002
3MK7	.28331495	-.000	.002	-.000	.002
M8	.32204560	-.000	.002	.000	.002

R OF VALID DATA = 939 AVERAGE = .81 STANDARD DEVIATION = .23

ETICAL RMS = .05 MATRIX CONDITION = .32

F THE RESIDUES= .05

NALYSIS OF HOURLY TIDAL HEIGHTS STN 41502 12H 14/ 3/81 TO 15H 22/ 4/81

O.OBS.= 940 NO.PTS.ANAL.= 940 MIDPT= 1H 3/ 4/81 SEPARATION =1.00

IME ZONE= CST LATITUDE=73D 42M LONGITUDE= 95D 45M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/ M-Y	A	G	AL	GL
1	Z0	0.00000000	381- 481	.8172	0.00	.8172	0.00
2	MM	.00151215	381- 481	.0403	359.22	.0403	46.25
3	MSF	.00282193	381- 481	.0197	241.45	.0197	277.05
4	ALP1	.03439657	381- 481	.0059	254.30	.0055	210.75
5	2Q1	.03570635	381- 481	.0045	217.90	.0042	161.03
6	Q1	.03721650	381- 481	.0212	156.95	.0194	149.08
7	O1	.03873065	381- 481	.0695	182.65	.0622	223.53
8	NO1	.04026859	381- 481	.0028	224.42	.0031	105.81
9	K1	.04178075	381- 481	.0536	248.22	.0503	139.70
10	J1	.04329290	381- 481	.0033	317.01	.0032	264.59
11	OO1	.04483084	381- 481	.0056	300.24	.0043	240.61
12	UPS1	.04634299	381- 481	.0015	293.07	.0011	276.13
13	EPS2	.07617732	381- 481	.0039	266.49	.0042	115.72
14	MU2	.07768947	381- 481	.0140	274.46	.0145	173.81
15	N2	.07899925	381- 481	.0519	332.93	.0553	218.64
16	M2	.08051140	381- 481	.2594	345.48	.2656	281.70
17	L2	.08202355	381- 481	.0138	355.15	.0100	138.53
18	S2	.08333333	381- 481	.1261	36.66	.1260	6.57
19	ETA2	.08507364	381- 481	.0031	136.22	.0027	161.80
20	MO3	.11924206	381- 481	.0077	12.20	.0070	349.30
21	M3	.12076710	381- 481	.0032	190.04	.0033	274.12
22	MK3	.12229215	381- 481	.0024	172.59	.0023	.29
23	SK3	.12511408	381- 481	.0051	64.66	.0048	286.05
24	MN4	.15951065	381- 481	.0021	103.96	.0023	285.89
25	M4	.16102280	381- 481	.0042	104.04	.0044	336.48
26	SN4	.16233258	381- 481	.0003	272.05	.0003	127.66
27	MS4	.16384473	381- 481	.0040	190.49	.0041	96.62
28	S4	.16666667	381- 481	.0015	234.40	.0015	174.21
29	2MK5	.20280355	381- 481	.0003	71.20	.0003	195.12
30	2SK5	.20844741	381- 481	.0001	15.43	.0001	206.73
31	2MN6	.24002205	381- 481	.0006	76.16	.0007	194.30
32	M6	.24153420	381- 481	.0010	113.21	.0011	281.86
33	2MS6	.24435613	381- 481	.0021	194.73	.0022	37.07
34	2SM6	.24717807	381- 481	.0009	243.38	.0008	119.41
35	3MK7	.28331495	381- 481	.0003	171.59	.0003	231.73
36	M8	.32204560	381- 481	.0002	10.86	.0002	115.73

NALYSIS OF HOURLY TIDAL HEIGHTS STN 41502 12H 14/ 3/81 TO 15H 22/ 4/81

O.OBS.= 940 NO.PTS.ANAL.= 940 MIDPT= 1H 3/ 4/81 SEPARATION =1.00

IME ZONE= CST LATITUDE=73D 42M LONGITUDE= 95D 45M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G		AL	GL
1	Z0	0.000000000	381-	481	.8172	0.00		.8172	0.00
2	MM	.00151215	381-	481	.0403	359.22		.0403	46.25
3	MSF	.00282193	381-	481	.0197	241.45		.0197	277.05
4	ALP1	.03439657	381-	481	.0059	254.30		.0055	210.75
5	2Q1	.03570635	381-	481	.0045	217.90		.0042	161.03
6	Q1	.03721850	381-	481	.0212	156.95		.0194	149.08
7	O1	.03873065	381-	481	.0695	182.65		.0622	223.53
8	NO1	.04026859	381-	481	.0028	224.42		.0031	105.81
9	P1	.04155259	381-	481	.0272	250.08	INF FR K1	.0274	336.95
10	K1	.04178075	381-	481	.0798	253.98		.0749	145.47
11	J1	.04329290	381-	481	.0033	317.01		.0032	264.59
12	OO1	.04483084	381-	481	.0056	300.24		.0043	240.61
13	UPS1	.04634299	381-	481	.0015	293.07		.0011	276.13
14	EPS2	.07617732	381-	481	.0039	266.49		.0042	115.72
15	MU2	.07768947	381-	481	.0140	274.46		.0145	173.81
16	N2	.07899825	381-	481	.0519	332.93		.0553	218.64
17	M2	.08051140	381-	481	.2594	345.48		.2656	281.70
18	L2	.08202355	381-	481	.0138	355.15		.0100	138.53
19	S2	.08333333	381-	481	.1035	39.22		.1034	9.12
20	K2	.08356149	381-	481	.0296	32.52	INF FR S2	.0250	355.07
21	ETA2	.08507364	381-	481	.0031	136.22		.0027	161.80
22	MO3	.11924206	381-	481	.0077	12.20		.0070	349.30
23	M3	.12076710	381-	481	.0032	190.04		.0033	274.12
24	MK3	.12229215	381-	481	.0024	172.59		.0023	.29
25	SK3	.12511408	381-	481	.0051	64.66		.0048	286.05
26	MN4	.15951065	381-	481	.0021	103.96		.0023	285.89
27	M4	.16102280	381-	481	.0042	104.04		.0044	336.48
28	SN4	.16233258	381-	481	.0003	272.05		.0003	127.66
29	MS4	.16384473	381-	481	.0040	190.49		.0041	96.62
30	S4	.16666667	381-	481	.0015	234.40		.0015	174.21
31	2MK5	.20280355	381-	481	.0003	71.20		.0003	195.12
32	2SK5	.20844741	381-	481	.0001	15.43		.0001	206.73
33	2MN6	.24002205	381-	481	.0006	76.16		.0007	194.30
34	M6	.24153420	381-	481	.0010	113.21		.0011	281.86
35	2MS6	.24435613	381-	481	.0021	194.73		.0022	37.07
36	2SM6	.24717807	381-	481	.0009	243.38		.0009	119.41
37	3MK7	.28331495	381-	481	.0003	171.59		.0003	231.73
38	M8	.32204560	381-	481	.0002	10.86		.0002	115.73

AFTER INFERENCE, RMS(RESID ERROR)= .04735

NDERAA WATER LEVEL GAUGE CALIBRATION USING AN NWRI DEAD WEIGHT TESTER

UGE DATA: SERIAL NO. 415 CALIBRATION DATE: JANUARY 26,1981
MODEL WLR5
RANGE (MILLIBARS) 689.0 6895.

BIENT CONDITIONS: TEMPERATURE (DEG. C) START: -1.16 FINISH: -1.15
PRESSURE (MILLIBARS) START: 995.10 FINISH: 994.60

IRD ORDER COEFFICIENTS ARE:

-.78181732D+04 .21090206D-01 -.82323263D-08 .16322323D-14

.M.S. ERROR = .26164
FULL SCALE = .03797

*****TEST RESULTS*****

NDERAA H. 1	COUNT CH. 2	AANDERAA FULLWORD	D.WEIGHT READING	AMBIENT PRESSURE	PRESSURE IN MILLIBARS	PRESSURE BY APPROXIMATION	CURVE DEVIATION	% FULL SCALE ERR.
496	807	508711.	0.000	995.1	995.1	995.11	-.01	-.001
645	926	559006.	9.998	995.1	1684.4	1684.00	.44	.063
597	175	611503.	19.996	995.1	2373.8	2373.42	.36	.052
650	765	666365.	29.994	995.1	3063.1	3063.07	.04	.006
708	816	723760.	39.991	995.1	3752.4	3752.57	-.19	-.027
7	538	783898.	49.989	995.0	4441.6	4441.92	-.29	-.043
82	106	846954.	59.987	995.0	5131.0	5130.61	.34	.050
959	993	983009.	79.982	994.8	6509.4	6509.18	.19	.027
995	403	1019283.	84.981	994.8	6854.0	6854.33	-.29	-.043
959	988	983004.	79.982	994.7	6509.3	6509.13	.14	.020
827	105	846953.	59.987	994.7	5130.7	5130.60	.05	.008
706	796	723740.	39.991	994.7	3752.0	3752.33	-.35	-.051
597	177	611505.	19.996	994.7	2373.4	2373.45	-.07	-.010
496	796	508700.	0.000	994.6	994.6	994.95	-.35	-.051

AANDERAA TIDE GAUGE
DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 415

TIME ZONE USED: CST

SAMPLING INTERVAL: 15

Range 60 metres.

PREPARATION

INITIALIZATION DATE(DMY): 10 MAR. 1981

TIME RESET: 1759

FIRST FIRE: 1800

THREAD TAPE: 1805

FIRST READING ON TAPE: 1815

SECOND READING ON TAPE: 1830

DIGI-PRINTER READINGS:

TIME	1815		TIME	1830	
READINGS	155		READINGS	155	
	1			1	
	496			496	
	817			818	
TIME	1845		TIME	1900	
READINGS	155		READINGS	155	
	1			1	
	496			496	
	813			805	

DEPLOYMENT

DEPLOYMENT DATE(DMY): 14/3/81

TIME IN WATER: 1115

TIME ON BOTTOM: _____

LOCATION

LAT: _____

LONG: _____

OTHER: _____

N-E Pool Sounds

RECOVERY

RECOVERY DATE(DMY): 22/4/81

TIME LEFT BOTTOM: 1530

TIME OUT OF WATER: _____

TIME OF LAST FIRE: 2015 22/4/81

DIGI-PRINTER READINGS:

TIME	1930	1945
READINGS	155	155
	138	138
	498	198
	466	464
TIME	2000	2015
READINGS	155	155
	138	138
	498	498
	456	463

REMARKS AND OBSERVATIONS

BATTERY CHECK: _____

TIDAL ANALYSIS INFORMATION SHEET

STATION NO: 81-WS-02
LOCATION: Northwest Port Sound
PERIOD OF OPERATION: March 1981 – April 27/81
TIME ZONE: [illegible]
GAUGE DATA: 1) Model - WLR5
2) Range - 0 - 60 m.
3) Calibration Coefficients - 4

Pressure A - -0.781817 E+04
B - 0.210902 E-01
C - -0.823233 E-08
D - 0.163222 E-14

PROCESSING DATA:

First Good 601 679
First Bad 497 386

1) Gauge Zero -
2) Gravity Correction -
3) Atmospheric Pressure - 1013.25
4) Water Density -
5) Temperature -

PROCESSING PROBLEMS:

1) Aanderaa Translation - CCIW Translation with [illegible] translation
– 4 word samples.

2) Calibration -

3) Reformatting - RCDIF

4) Water Levels - Maximum - 1478.84 MB
Minimum 1375.75 MB

5) Master Filing -

8141502

NE. Puget Sound

1	0155	0001	0496	0819*	
2	0155	0 1	0496	0813*	
3	0155	0 1	0496	0813*	
4	0155	0001	0496	0805*	
5	0155	0001	0496	0790*	
6	0155	0001	0496	0780*	
7	0155	0001	0496	0779*	
8	0155	0001	0496	0773*	
9	0155	0001	0496	0772*	
10	0155	0001	0496	0762*	
11	0155	0001	0496	0755*	
12	0155	0001	0496	0744*	
13	0155	0001	0496	0733*	
14	0155	0001	0496	0733*	
15	0155	0001	0496	0726*	
16	0155	0001	0496	0718*	
17	0155	0001	0496	0716*	
18	0155	0001	0496	0721*	
19	0155	0001	0496	0721*	
20	0155	0001	0496	0724*	
21	0155	0001	0496	0720*	
22	0155	0001	0496	0725*	
23	0155	0001	0496	0724*	
24	0155	0001	0496	0715*	
25	0155	0001	0496	0714*	
26	0155	0001	0496	0709*	
27	0155	0001	0496	0704*	
28	0155	0001	0496	0704*	
29	0155	0001	0496	0700*	
30	0155	0002	0496	0697*	
31	0155	0002	0496	0694*	
32	0155	0002	0496	0702*	
33	0155	0002	0496	0690*	
34	0155	0002	0496	0695*	
35	0155	0002	0496	0685*	
36	0155	0002	0496	0653*	
37	0155	0002	0496	0677*	
38	0155	0002	0496	0684*	
39	0155	0002	0496	0685*	
40	0155	0002	0496	0690*	
41	0155	0002	0496	0698*	
42	0155	0002	0496	0694*	
43	0155	0002	0496	0693*	
44	0155	0002	0496	0692*	
45	0155	0002	0496	0683*	
46	0155	0002	0496	0691*	
47	0155	0002	0496	0674*	
48	0155	0002	0496	0670*	
49	0155	0002	0496	0673*	
50	0155	0002	0496	0674*	
51	0155	0002	0496	0669*	
52	0155	0002	0496	0655*	
53	0155	0002	0496	0656*	
54	0155	0002	0496	0648*	
55	0155	0002	0496	0656*	
56	0155	0002	0496	0653*	
57	0155	0002	0496	0660*	
58	0155	0002	0496	0663*	
59	0155	0002	0496	0670*	
60	0155	0003	0496	0666*	
61	0155	0003	0496	0671*	
62	0155	0003	0496	0674*	
63	0155	0003	0496	0680*	
64	0155	0003	0496	0671*	
65	0155	0003	0496	0668*	
66	0155	0003	0496	0670*	
67	0155	0003	0496	0664*	
68	0155	0003	0496	0668*	
69	0155	0003	0496	0669*	
70	0155	0003	0496	0668*	
71	0155	0003	0496	0664*	
72	0155	0003	0496	0674*	
73	0155	0003	0496	0668*	
74	0155	0003	0496	0665*	
75	0155	0003	0496	0695*	
76	0155	0003	0496	0703*	
77	0155	0003	0496	0701*	
78	0155	0003	0496	0694*	
79	0155	0003	0496	0695*	
80	0155	0003	0496	0691*	
81	0155	0003	0496	0696*	
82	0155	0003	0496	0690*	
83	0155	0003	0496	0699*	
84	0155	0003	0496	0710*	
85	0155	0003	0496	0715*	

1981

Mar 10 - Apr 25

STATION NUMBER	NAME	ZONE	LAT	LONG	ANALYSIS LENGTH	C.T.
40803	ALLISON BAY, BATHURST	CST	7458 NORTH	9922 WEST	46 DAYS	481 MOYR

REFERENCE STATION - 5560

Z0 1.439 (C.T. 481)

CONSTITUENT	AMPLITUDE	PHASE GMT		CONSTITUENT	AMPLITUDE	PHASE
MM	.015	321.0		MSF	.018	288.1
2Q1	.005	238.3		Q1	.018	165.8
O1	.087	196.6		NO1	.010	256.5
P1	.050	258.2		K1	.148	262.1
J1	.010	340.1		OO1	.006	316.1
MU2	.022	316.0		N2	.075	20.5
N2	.379	36.1	210.0	L2	.014	58.8
S2	.164	90.4		K2	.047	83.8
MO3	.004	23.9		M3	.003	175.1
MK3	.002	181.4		SK3	.004	58.1
MN4	.001	198.1		M4	.002	100.5
MS4	.002	231.5				
M6	.001	189.6		2MS6	.001	290.8
M8	.001	343.2				

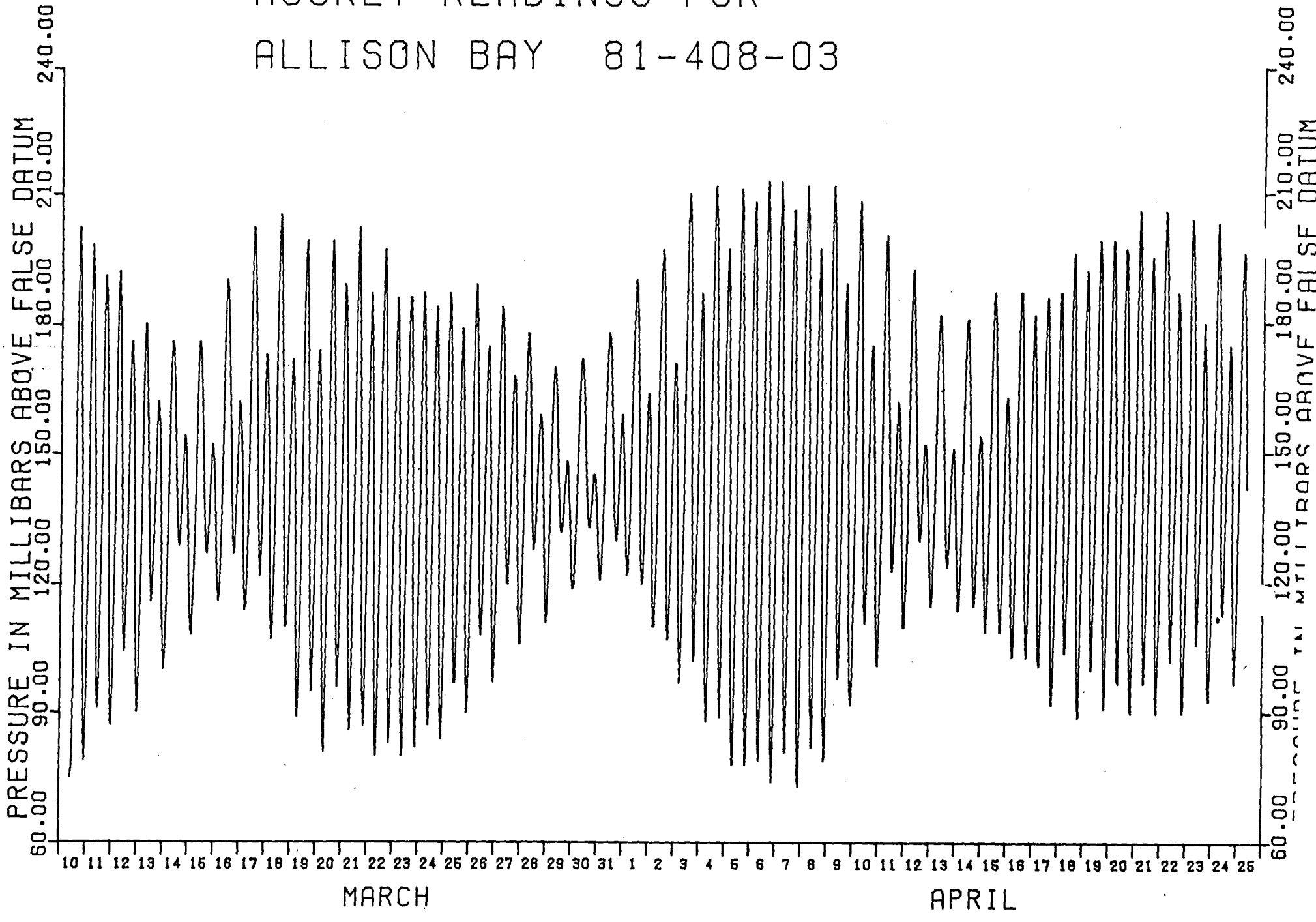
AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
54	2.31	66	1.70	217	.18	.42	.42	.60

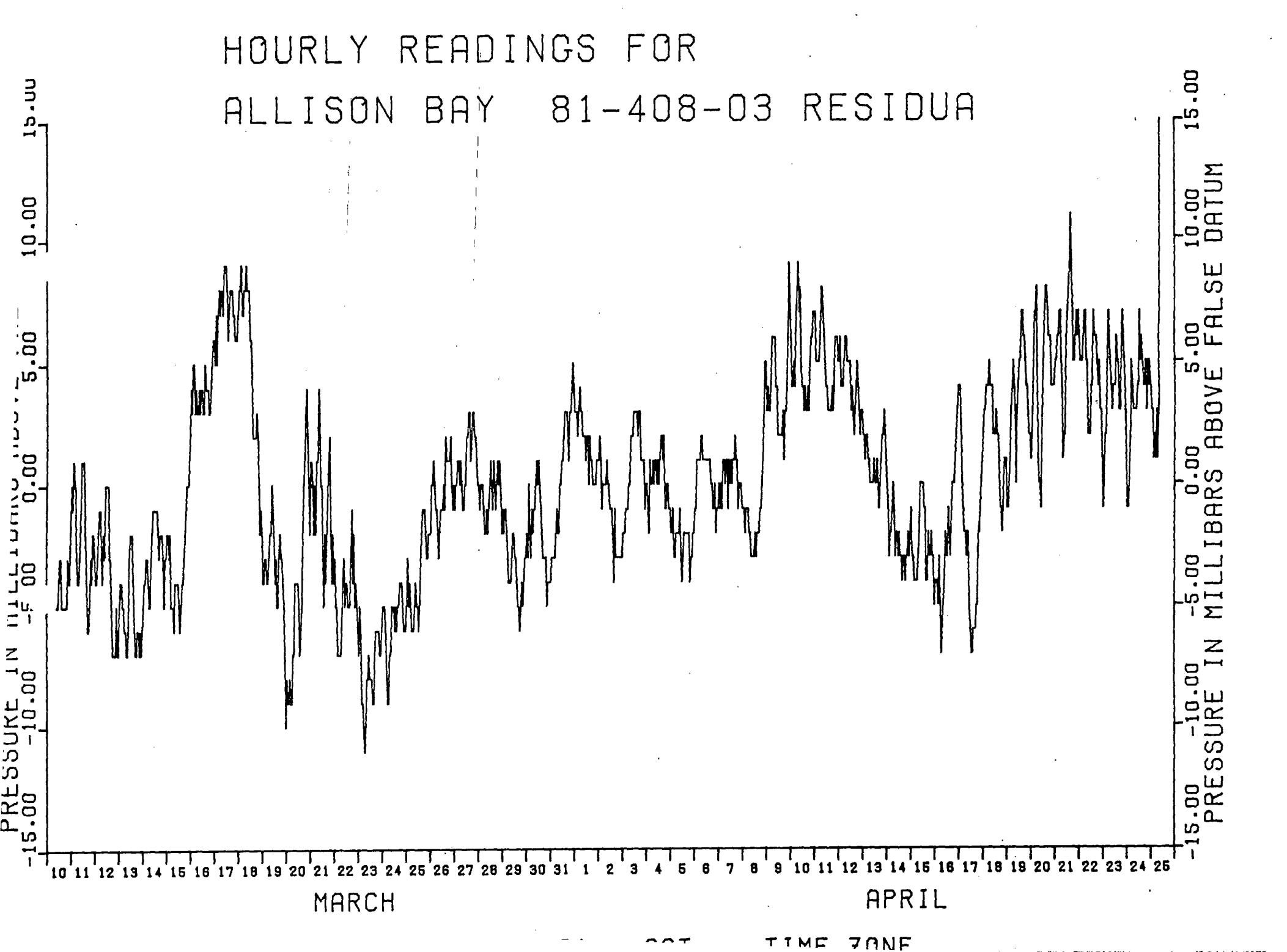
MEAN TIDES, TIMES AND HEIGHTS

1424	2.0	130	1.7	2047	1.1	733	.9
HHW		LHW		HLW		LLW	

LARGE TIDES		RANGES	
2.3	.6	1.1	1.7
HHW	LLW	MT	LT

HEIGHT VALUES ARE EXPRESSED IN METRES
DATE AND TIME OF THE COMPUTER RUN 82/07/15. - 14.37.51.


HOURLY READINGS FOR
ALLISON BAY 81-408-03
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
240.00
210.00
180.00
150.00
120.00
90.00
60.00
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
MARCH
APRIL
TIME ZONE


HOURLY READINGS FOR
ALLISON BAY 81-408-03 RESIDUA
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
15.00
10.00
5.00
0.00
-5.00
-10.00
-15.00
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
MARCH
APRIL

ON 40803 PRELIMINARY RESULTS

ITUENT	FREQUENCY	C	ERR	S	ERR
Z0	0.00000000	1.439	.001	0.000	.000
MM	.00151215	.015	.002	.004	.002
MSF	.00282193	.017	.002	-.006	.002
ALP1	.03439657	.007	.002	.005	.002
2Q1	.03570635	.004	.002	.002	.002
Q1	.03721850	.017	.002	.004	.002
O1	.03873065	-.014	.002	.076	.002
NO1	.04026859	.010	.002	.002	.002
K1	.04178075	.082	.002	.046	.002
J1	.04329290	-.010	.002	.000	.002
OO1	.04483084	-.004	.002	.002	.002
UPS1	.04634299	.001	.002	.002	.002
EPS2	.07617732	-.005	.002	-.004	.002
MU2	.07768947	.012	.002	-.019	.002
N2	.07899925	.080	.002	.002	.002
M2	.08051140	.094	.002	.377	.002
L2	.08202355	.007	.002	-.007	.002
S2	.08333333	-.198	.002	.007	.002
ETA2	.08507364	.005	.002	-.002	.002
MO3	.11924206	.003	.002	-.002	.002
M3	.12076710	-.002	.002	-.003	.002
MK3	.12229215	.002	.002	-.000	.002
SK3	.12511408	.001	.002	-.004	.002
MN4	.15951065	-.001	.002	-.000	.002
M4	.16102280	-.002	.002	-.000	.002
SN4	.16233258	.000	.002	.000	.002
MS4	.16384473	.002	.002	.000	.002
S4	.16666667	.000	.002	-.000	.002
2MK5	.20280355	.000	.002	-.000	.002
2SK5	.20344741	-.000	.002	-.001	.002
2MN6	.24002205	-.000	.002	-.000	.002
M6	.24153420	.001	.002	-.001	.002
2MS6	.24435613	-.000	.002	.001	.002
2SM6	.24717807	-.000	.002	-.000	.002
3MK7	.28331495	-.000	.002	-.000	.002
M8	.32204560	-.000	.002	.000	.002

ER OF VALID DATA = 1103 AVERAGE = 1.44 STANDARD DEVIATION = .33

RETICAL RMS = .05 MATRIX CONDITION = .41

OF THE RESIDUES= .05

ALYSIS OF HOURLY TIDAL HEIGHTS STN 40803 10H 10/ 3/81 TO 9H 25/ 4/81

O.OBS.= 1104 NO.PTS.ANAL.= 1104 MIDPT= 9H 2/ 4/81 SEPARATION =1.00

IME ZONE= CST LATITUDE=74D 52M LONGITUDE= 99D 22M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G	AL	GL
1	Z0	0.000000000	381-	481	1.4386	0.00	1.4386	0.00
2	MM	.00151215	381-	481	.0153	321.04	.0153	16.78
3	MSF	.00282193	381-	481	.0183	288.06	.0183	339.93
4	ALP1	.03439657	381-	481	.0092	244.04	.0086	38.59
5	2Q1	.03570635	381-	481	.0045	238.34	.0043	27.10
6	Q1	.03721850	381-	481	.0184	165.82	.0169	12.31
7	O1	.03873065	381-	481	.0869	196.59	.0778	100.56
8	NO1	.04026559	381-	481	.0095	256.51	.0103	9.98
9	K1	.04178075	381-	481	.1005	257.20	.0943	29.34
10	J1	.04329290	381-	481	.0100	340.09	.0097	177.09
11	OO1	.04483084	381-	481	.0064	316.09	.0049	154.68
12	UPS1	.04634299	381-	481	.0028	163.95	.0021	53.95
13	EPS2	.07617732	381-	481	.0096	291.97	.0060	219.95
14	MU2	.07768947	381-	481	.0219	316.05	.0227	302.89
15	N2	.07899925	381-	481	.0755	20.53	.0805	1.25
16	M2	.08051140	381-	481	.3794	36.10	.3885	76.07
17	L2	.08202355	381-	481	.0142	58.79	.0103	314.36
18	S2	.08333333	381-	481	.1966	88.16	.1983	178.07
19	ETA2	.08507364	381-	481	.0060	176.54	.0053	332.19
20	MO3	.11924206	381-	481	.0043	23.95	.0040	327.88
21	M3	.12076710	381-	481	.0033	175.11	.0034	234.81
22	MK3	.12229215	381-	481	.0021	181.38	.0020	353.49
23	SK3	.12511408	381-	481	.0040	58.07	.0037	280.12
24	MN4	.15951065	381-	481	.0007	198.13	.0008	218.81
25	M4	.16102280	381-	481	.0018	100.47	.0019	180.39
26	SN4	.16233258	381-	481	.0003	309.38	.0003	20.00
27	MS4	.16384473	381-	481	.0019	231.46	.0019	1.33
28	S4	.16666667	381-	481	.0003	139.10	.0003	318.91
29	2MK5	.20280355	381-	481	.0002	136.58	.0002	348.65
30	2SK5	.20844741	381-	481	.0006	312.75	.0006	264.71
31	2MN6	.24002205	381-	481	.0003	126.17	.0003	186.81
32	M6	.24153420	381-	481	.0012	189.58	.0013	309.47
33	2MS6	.24435613	381-	481	.0010	290.84	.0011	100.67
34	2SM6	.24717807	381-	481	.0004	324.79	.0004	184.56
35	3MK7	.28331495	381-	481	.0003	305.40	.0003	197.43
36	M8	.32204560	381-	481	.0005	343.20	.0006	143.05

NALYSIS OF HOUPLY TIDAL HEIGHTS STN 40803 10H 10/ 3/81 TO 9H 25/ 4/81

O.OBS.= 1104 NO.PTS.ANAL.= 1104 MIDPT= 9H 2/ 4/81 SEPARATION =1.00

IME ZONE= CST LATITUDE=740 5°M LONGITUDE= 990 22M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G		AL	GL
1	Z0	0.00000000	381-	481	1.4386	0.00		1.4386	0.00
2	MM	.00151215	381-	481	.0153	321.04		.0153	16.78
3	MSF	.00282193	381-	481	.0183	288.08		.0183	339.93
4	ALP1	.03439657	381-	481	.0092	244.04		.0086	38.59
5	2Q1	.03570635	381-	481	.0045	238.34		.0043	27.10
6	Q1	.03721850	381-	481	.0184	165.82		.0169	12.31
7	O1	.03873065	381-	481	.0859	196.59		.0778	100.56
8	NO1	.04026859	381-	481	.0095	256.51		.0103	9.98
9	P1	.04155259	381-	481	.0505	258.21	INF FR K1	.0508	224.43
10	K1	.04178075	381-	481	.1481	262.11		.1389	34.25
11	J1	.04329290	381-	481	.0100	340.09		.0097	177.09
12	OO1	.04483084	381-	481	.0064	316.09		.0049	154.68
13	UPS1	.04634299	381-	481	.0028	163.95		.0021	53.95
14	EPS2	.07617732	381-	481	.0056	291.97		.0060	219.95
15	MU2	.07768947	381-	481	.0219	316.05		.0227	302.89
16	N2	.07899925	381-	481	.0755	20.53		.0805	1.25
17	M2	.08051140	381-	481	.3794	36.10		.3885	76.07
18	L2	.08202355	381-	481	.0142	58.79		.0103	314.36
19	S2	.08333333	381-	481	.1638	90.43		.1636	180.33
20	K2	.08356149	381-	481	.0469	83.63	INF FR S2	.0395	167.59
21	ETA2	.08507364	381-	481	.0060	176.54		.0053	332.19
22	MO3	.11924206	381-	481	.0043	23.95		.0040	327.88
23	M3	.12076710	381-	481	.0033	175.11		.0034	234.81
24	MK3	.12229215	381-	481	.0021	181.38		.0020	353.49
25	SK3	.12511408	381-	481	.0040	58.07		.0037	280.12
26	MN4	.15951065	381-	481	.0007	198.13		.0008	218.81
27	M4	.16102280	381-	481	.0018	100.47		.0019	180.39
28	SN4	.16233258	381-	481	.0003	309.38		.0003	20.00
29	MS4	.16384473	381-	481	.0019	231.46		.0019	1.33
30	S4	.16666667	381-	481	.0003	139.10		.0003	318.91
31	2MK5	.20280355	381-	481	.0002	136.58		.0002	343.65
32	2SK5	.20844741	381-	481	.0006	312.75		.0006	264.71
33	2MN6	.24002205	381-	481	.0003	126.17		.0003	186.81
34	M6	.24153420	381-	481	.0012	189.58		.0013	309.47
35	2MS6	.24435613	381-	481	.0010	290.84		.0011	100.67
36	2SM6	.24717807	381-	481	.0004	324.79		.0004	184.56
37	3MK7	.28331495	381-	481	.0003	305.40		.0003	197.43
38	M8	.32204560	381-	481	.0005	343.20		.0006	143.05

AFTER INFERENCE, RMS(RESID ERROR)= .04140

DATA WERE RECORDED ON CST

ALLISON BAY, BATHURST IS.

1	40803	1200	10	3	81	9999	9999	9999	9999	9999	9999	9999	9999	9999	75	78	97
2	40803	1200	10	3	81	127	159	185	201	202	188	161	130	103	84	79	91
1	40803	1200	11	3	81	115	143	172	191	198	199	168	141	115	96	91	97
2	40803	1200	11	3	81	115	140	164	183	191	187	172	149	121	101	88	87
1	40803	1200	12	3	81	98	120	146	170	187	192	182	163	142	120	108	104
2	40803	1200	12	3	81	110	125	142	161	173	176	170	155	135	116	98	90
1	40803	1200	13	3	81	94	107	126	146	165	176	180	173	159	143	130	120
2	40803	1200	13	3	81	116	120	129	140	151	159	162	157	145	130	114	104
1	40803	1200	14	3	81	100	103	113	129	146	161	171	176	175	167	156	144
2	40803	1200	14	3	81	135	130	129	132	138	146	152	154	151	142	133	122
1	40803	1200	15	3	81	114	109	108	116	125	139	154	166	175	176	172	163
2	40803	1200	15	3	81	152	141	132	128	127	130	137	144	150	152	149	143
1	40803	1200	16	3	81	135	125	119	116	118	128	142	158	174	184	190	188
2	40803	1200	16	3	81	179	168	155	141	131	127	128	136	146	156	162	161
1	40803	1200	17	3	81	153	143	128	119	114	115	126	142	161	181	195	202
2	40803	1200	17	3	81	199	187	172	154	137	126	122	127	138	152	165	173
1	40803	1200	18	3	81	172	162	147	128	113	107	110	123	142	165	186	200
2	40803	1200	18	3	81	205	199	181	160	137	119	110	110	119	135	154	168
1	40803	1200	19	3	81	172	167	153	132	110	94	89	96	113	139	165	186
2	40803	1200	19	3	81	197	199	186	165	141	118	101	95	102	118	139	157
1	40803	1200	20	3	81	172	174	164	144	118	96	83	81	95	117	146	173
2	40803	1200	20	3	81	192	199	194	176	153	127	106	96	99	112	133	156
1	40803	1200	21	3	81	179	189	185	167	143	115	96	86	92	108	132	162
2	40803	1200	21	3	81	185	198	202	187	164	137	112	95	87	94	117	142
1	40803	1200	22	3	81	167	182	187	175	153	125	99	83	80	91	112	142
2	40803	1200	22	3	81	170	190	197	191	172	146	115	95	83	87	103	127
1	40803	1200	23	3	81	153	176	186	181	165	139	111	90	80	82	98	123
2	40803	1200	23	3	81	151	174	186	186	173	149	121	98	84	82	93	116
1	40803	1200	24	3	81	143	167	184	187	177	156	130	107	91	87	95	114
2	40803	1200	24	3	81	138	163	178	184	176	158	132	108	90	84	90	107
1	40803	1200	25	3	81	132	158	176	187	185	171	149	125	107	97	97	109
2	40803	1200	25	3	81	128	150	169	179	177	164	143	119	99	90	93	105
1	40803	1200	26	3	81	125	149	170	185	189	182	167	145	125	112	108	113
2	40803	1200	26	3	81	127	145	160	173	175	167	152	132	114	100	97	104
1	40803	1200	27	3	81	118	138	158	175	184	183	176	160	142	128	120	120
2	40803	1200	27	3	81	128	140	154	164	168	167	158	144	127	114	106	106
1	40803	1200	28	3	81	115	128	146	161	173	178	175	167	155	141	132	128
2	40803	1200	28	3	81	130	134	142	152	158	159	157	149	137	126	116	111
1	40803	1200	29	3	81	115	122	134	148	159	167	170	169	163	154	145	138
2	40803	1200	29	3	81	133	132	133	137	142	145	148	147	141	135	127	121
1	40803	1200	30	3	81	119	120	128	135	145	157	165	171	172	170	164	155
2	40803	1200	30	3	81	148	141	135	133	133	137	141	145	145	144	139	133
1	40803	1200	31	3	81	126	123	121	124	131	142	155	164	173	178	177	173
2	40803	1200	31	3	81	164	154	144	135	131	130	134	143	151	157	159	154
1	40803	1200	1	4	81	145	136	127	122	123	131	142	157	171	183	190	189
2	40803	1200	1	4	81	182	169	152	138	125	120	121	129	142	154	163	164
1	40803	1200	2	4	81	158	147	132	117	110	110	120	136	156	175	191	197
2	40803	1200	2	4	81	195	184	164	141	125	110	107	114	128	146	162	171
1	40803	1200	3	4	81	171	161	143	124	107	97	100	113	136	162	186	204
2	40803	1200	3	4	81	210	204	186	160	135	114	102	104	118	139	160	179
1	40803	1200	4	4	81	187	182	164	142	116	96	88	92	111	138	167	194
2	40803	1200	4	4	81	209	212	200	175	144	117	95	89	100	121	148	175
1	40803	1200	5	4	81	192	197	188	163	133	105	85	78	87	112	141	172
2	40803	1200	5	4	81	198	211	207	187	156	122	95	78	81	98	128	160
1	40803	1200	6	4	81	189	205	208	192	163	130	101	83	79	93	121	155
2	40803	1200	6	4	81	186	207	213	202	175	140	106	82	74	81	106	139
1	40803	1200	7	4	81	173	199	213	208	189	157	122	96	81	81	101	130
2	40803	1200	7	4	81	163	190	206	206	190	159	125	93	76	73	88	115
1	40803	1200	8	4	81	149	181	203	212	204	180	147	116	92	82	87	108
2	40803	1200	8	4	81	137	165	187	197	191	172	142	112	89	79	84	102
1	40803	1200	9	4	81	129	162	189	207	212	203	180	151	124	104	98	104
2	40803	1200	9	4	81	123	147	169	184	189	178	160	134	110	95	92	97
1	40803	1200	10	4	81	115	140	167	191	204	208	197	177	151	131	115	111
2	40803	1200	10	4	81	118	132	150	165	174	175	165	150	130	113	103	101
1	40803	1200	11	4	81	109	124	147	169	187	198	200	191	174	154	138	127
2	40803	1200	11	4	81	123	126	135	146	155	162	160	154	144	130	118	110
1	40803	1200	12	4	81	110	118	129	147	164	180	190	192	185	174	161	148
2	40803	1200	12	4	81	137	132	130	132	139	146	152	152	149	141	133	124
1	40803	1200	13	4	81	117	115	118	128	141	155	169	178	182	180	174	165
2	40803	1200	13	4	81	152	141	132	126	124	128	135	143	149	151	147	139
1	40803	1200	14	4	81	130	121	114	115	121	133	148	161	172	180	181	176
2	40803	1200	14	4	81	167	152	138	124	117	115	119	129	140	150	154	153
1	40803	1200	15	4	81	146	134	122	112	109	114	125	141	159	176	185	187
2	40803	1200	15	4	81	181	168	150	130	115	109	109	118	133	148	160	163
1	40803	1200	16	4	81	160	150	135	118	108	103	106	121	140	161	179	187
2	40803	1200	16	4	81	187	175	160	138	119	107	103	110	126	146	165	179
1	40803	1200	17	4	81	182	174	157	135	116	103	101	109	127	149	168	182

2	40803	1200	19	4	81	193	199	193	174	146	120	100	91	93	111	135	161
1	40803	1200	20	4	81	185	198	199	188	164	139	114	93	97	110	132	161
2	40803	1200	20	4	81	184	197	196	182	156	128	105	92	90	103	126	154
1	40803	1200	21	4	81	181	199	206	199	180	153	126	107	97	104	122	149
2	40803	1200	21	4	81	173	190	195	188	166	138	111	94	90	99	117	145
1	40803	1200	22	4	81	172	194	206	205	192	169	143	119	106	102	113	133
2	40803	1200	22	4	81	157	175	187	184	169	146	119	99	90	91	105	127
1	40803	1200	23	4	81	153	179	198	204	200	184	158	133	115	106	111	125
2	40803	1200	23	4	81	145	165	177	180	170	152	131	111	96	93	99	116
1	40803	1200	24	4	81	139	165	186	200	203	191	170	147	127	115	113	121
2	40803	1200	24	4	81	138	153	168	175	172	160	143	120	105	97	100	111
1	40803	1200	25	4	81	130	154	174	190	196	194	179	162	142	9999	9999	9999
2	40803	1200	25	4	81	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999

AANDERAA TIDE GAUGE

DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 408

TIME ZONE USED: CST

SAMPLING INTERVAL: 15

Range 20 metres.

PREPARATION

INITIALIZATION DATE(DMY): 7 MAR 1981

TIME RESET: 1944

FIRST FIRE: 1945

THREAD TAPE: 1950

FIRST READING ON TAPE: 2000

SECOND READING ON TAPE: 2015

DIGI-PRINTER READINGS:

TIME	2000	TIME	2015
READINGS	134	READINGS	134
	1		1
	377		377
	46		52
TIME	2030	TIME	2045
READINGS	134	READINGS	134
	1		1
	377		377
	72		72

DEPLOYMENT

DEPLOYMENT DATE(DMY): March 9/81

TIME IN WATER:

TIME ON BOTTOM: 1030

LOCATION

LAT:

LONG:

OTHER:

Allison Bay

RECOVERY

RECOVERY DATE(DMY): 25/4/81

TIME LEFT BOTTOM: 0940

TIME OUT OF WATER:

TIME OF LAST FIRE: 2215 Z 5/4/89.

DIGI-PRINTER READINGS:

TIME	2130	2145
READINGS	134	134
	158	158
	378	378
	89	89
TIME	2200	2215
READINGS	139	134
	158	158
	378	378
	92	89

REMARKS AND OBSERVATIONS

BATTERY CHECK: _____

RECORDER DATA: SERIAL 408
MODEL 5A FULL SCALE 20 METRES
CALIBRATION TEMPERATURE (DEG.C+-1) 0.0
PRESSURE SENSOR SERIAL 1822

AMBIENT CONDITIONS: TEMPERATURE (DEG.C) 20.0
PRESSURE (MM OF HG.) 766.40
DEW POINT (DEG.C+-1) 7.

	CH.1	CH.2	PERIOD		PRESSURE		APPROXIMATION		DEVIATION
1	409.	834.	0.3565378D	7	0.1877227D	2	0.1877227D	2	0.00000
2	426.	199.	0.3582151D	7	0.2077325D	2	0.2077702D	2	0.00377
3	442.	793.	0.3599129D	7	0.2277373D	2	0.2277716D	2	0.00343
4	459.	611.	0.3616355D	7	0.2477490D	2	0.2477713D	2	0.00223
5	476.	677.	0.3633829D	7	0.2677544D	2	0.2677625D	2	0.00080
6	493.	1014.	0.3651574D	7	0.2877591D	2	0.2877639D	2	0.00048
7	511.	599.	0.3669591D	7	0.3077690D	2	0.3077690D	2	0.00000
8	529.	456.	0.3687880D	7	0.3277737D	2	0.3277700D	2	-0.00037
9	547.	604.	0.3706460D	7	0.3477854D	2	0.3477798D	2	-0.00056
10	565.	1022.	0.3725310D	7	0.3677707D	2	0.3677680D	2	-0.00027
11	584.	729.	0.3744473D	7	0.3877754D	2	0.3877722D	2	-0.00032
12	603.	755.	0.3763955D	7	0.4077850D	2	0.4077896D	2	0.00046
13	623.	58.	0.3783738D	7	0.4277894D	2	0.4277932D	2	0.00038
14	642.	717.	0.3803853D	7	0.4478008D	2	0.4478056D	2	0.00048
15	662.	672.	0.3824288D	7	0.4678062D	2	0.4678062D	2	0.00000

PRESSURE = A*(1-X0/X) - B*(1-X0/X)**2
X = PERIOD AVERAGE=CH3*1024+CH4+3*1024**2 PRESSURE IN P.S.I.A.

X0 = 3419176.417 A = 468.014 B = 249.227

R.M.S. ERROR OF FIT =0.001

Gauge 408

Calibrated in June 1980 (A)

In Lab Inc - July - Sept 1980

In Arctic Mar - Apr 1981

Calibrated Jan. 1982 (B)

1st calibration 8-9 months before & after arctic deployment

- process data on both calibrations to see the effect

(1) Jan 1982 calibration (B) gave higher pressures by ≈ 3.14 MB.

(2) Hourly data - no difference in Times - pressures 3 MB higher in B

(3) Matrix amplitudes & RMS same
Slight variations in amplitude values

(4) Loonies - Zo differ by 0.032

- slight variations in other coefficients - ampl. & phase

- Temp & Periods same (1 dec. place)

ION 40903 PRELIMINARY RESULTS

TITUENT	FREQUENCY	C	ERR	S	ERR
Z0	0.00000000	1.407	.001	0.000	.000
SA	.00151215	.015	.002	.004	.002
SSA	.00282193	.015	.002	-.007	.002
MSF	.00282193	.015	.002	-.007	.002
ALP1	.03439657	.007	.002	.005	.002
2Q1	.03576635	.004	.002	.002	.002
Q1	.03721950	.016	.002	.003	.002
O1	.03873065	-.014	.002	.076	.002
NO1	.04026859	.010	.002	.002	.002
K1	.04178075	.082	.002	.046	.002
J1	.04329290	-.010	.002	.001	.002
OO1	.04484384	-.005	.002	.002	.002
UPS1	.04634299	.001	.002	.002	.002
EPS2	.07617732	-.005	.002	-.004	.002
MU2	.07769947	.012	.002	-.019	.002
N2	.07899925	.030	.002	.002	.002
M2	.08051140	.094	.002	.377	.002
L2	.08202355	.007	.002	-.007	.002
T2	.08333333	-.196	.002	.007	.002
LDA2	.08507364	.004	.002	-.002	.002
MO3	.11924206	.003	.002	-.002	.002
M3	.12078710	-.002	.002	-.003	.002
MK3	.12228215	.002	.002	-.000	.002
SK3	.12511408	.000	.002	-.004	.002
MN4	.15951065	-.001	.002	-.000	.002
M4	.16102280	-.002	.002	.000	.002
SN4	.16233258	.000	.002	.000	.002
MS4	.16384473	.002	.002	.000	.002
S4	.16666667	.000	.002	-.000	.002
2MK5	.20280355	.000	.002	-.000	.002
2SK5	.20944741	-.000	.002	-.001	.002
2MN6	.24002205	-.000	.002	.000	.002
M6	.24153420	.001	.002	-.001	.002
2MS6	.24435613	-.000	.002	.001	.002
2SM6	.24717807	-.001	.002	-.000	.002
3MK7	.28331493	-.000	.002	-.000	.002
M8	.32204560	-.000	.002	.000	.002

BER OF VALID DATA = 1103 AVERAGE = 1.40 STANDARD DEVIATION = .33

ORETICAL RMS = .05 MATRIX CONDITION = .41

OF THE RESIDUES= .05

Calibration A

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 40803 10H 13/ 3/81 TO 9H 25/ 4/81

NO.OBS.= 1104 NO.PTS.ANAL.= 1104 MIDPT= 9H 2/ 4/81 SEPARATION =1.00

TIME ZONE= CST LATITUDE=740 38M LONGITUDE= 990 22M REF. STATION= 5550

NO.	NAME	FREQUENCY	M-Y/ M-Y	A	G	AL	GL
1	Z0	0.000000000	381- 481	1.4071	0.00	1.4071	0.00
2	MM	.001512115	381- 481	.0154	320.41	.0154	16.16
3	MSF	.002821937	381- 481	.0187	297.73	.0187	339.58
4	ALP1	.034396657	381- 481	.0094	243.09	.0088	37.65
5	2Q1	.035705435	381- 481	.0043	237.40	.0041	26.17
6	Q1	.037215550	381- 481	.0183	165.35	.0168	11.35
7	O1	.038730665	381- 481	.0868	196.57	.0777	100.54
8	NO1	.040263599	381- 481	.0095	256.56	.0103	10.03
9	K1	.041780075	381- 481	.1004	257.21	.0942	29.35
10	J1	.043292290	381- 481	.0101	338.32	.0097	175.81
11	OO1	.044830854	381- 481	.0067	315.60	.0051	154.19
12	UPS1	.046342299	381- 481	.0026	169.14	.0019	59.14
13	EPS2	.076177392	381- 481	.0056	292.57	.0060	220.56
14	2U2	.077688947	381- 481	.0216	315.60	.0223	302.44
15	N2	.078999025	381- 481	.0753	20.57	.0803	1.29
16	M2	.080511480	381- 481	.3796	36.07	.3886	76.04
17	L2	.082023355	381- 481	.0143	60.71	.0104	316.28
18	S2	.083333333	381- 481	.1937	88.07	.1984	177.98
19	ETA2	.085073364	381- 481	.0058	177.16	.0050	332.32
20	MO3	.119242096	381- 481	.0044	24.69	.0040	328.62
21	M3	.120776710	381- 481	.0031	175.08	.0032	234.78
22	MK3	.122292215	381- 481	.0021	185.59	.0020	357.69
23	SK3	.125114092	381- 481	.0043	54.23	.0040	276.28
24	MN4	.159510865	381- 481	.0007	200.13	.0007	220.31
25	M4	.161022380	381- 481	.0017	98.68	.0018	178.60
26	SN4	.162332555	381- 481	.0002	305.34	.0002	15.96
27	MS4	.163844473	381- 481	.0017	238.49	.0017	8.36
28	S4	.166666667	381- 481	.0005	150.43	.0005	330.24
29	2MK5	.202280355	381- 481	.0003	141.05	.0003	353.12
30	2SK5	.208447741	381- 481	.0007	305.28	.0006	257.21
31	2MN6	.240022205	381- 481	.0001	91.43	.0001	152.07
32	M6	.241534420	381- 481	.0013	199.29	.0014	309.18
33	2MS6	.244356813	381- 481	.0013	281.45	.0014	91.28
34	2SM6	.247178907	381- 481	.0005	322.47	.0005	162.25
35	MK7	.283314985	381- 481	.0006	317.66	.0006	209.69
36	M8	.322045860	381- 481	.0005	339.30	.0006	139.15

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 40803 10H 10/ 3/81 TO 9H 25/ 4/81

NO.OBS.= 1104 NO.PTS.ANAL.= 1104 MIDPT= 9H 2/ 4/81 SEPARATION =1.00

TIME ZONE= CST LATITUDE=740 56M LONGITUDE= 990 22M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/ M-Y	A	G		AL	GL
1	Z0	0.000000000	381- 481	1.4071	0.00		1.4071	0.00
2	MM	.001512155	381- 481	.0154	320.41		.0154	16.16
3	MSF	.002821933	381- 481	.0187	287.73		.0187	339.58
4	ALP1	.033439657	381- 481	.0094	243.09		.0088	37.65
5	2Q1	.035706355	381- 481	.0043	237.40		.0041	25.17
6	Q1	.037218550	381- 481	.0183	165.35		.0168	11.85
7	O1	.038730655	381- 481	.0869	196.57		.0777	100.54
8	NO1	.040266559	381- 481	.0095	256.56		.0103	10.03
9	P1	.041552559	381- 481	.0504	258.22	INF FR K1	.0507	224.44
10	K1	.041780755	381- 481	.1479	262.12		.1387	34.26
11	J1	.043292950	381- 481	.0101	338.82		.0097	175.81
12	OO1	.044830864	381- 481	.0067	315.60		.0051	154.19
13	UPS1	.046342955	381- 481	.0026	169.14		.0019	59.14
14	EPS2	.076177732	381- 481	.0056	292.57		.0060	220.56
15	MU2	.077668947	381- 481	.0216	315.60		.0223	302.44
16	N2	.078999225	381- 481	.0753	20.57		.0803	1.29
17	M2	.080511400	381- 481	.3796	36.07		.3886	76.04
18	L2	.082023555	381- 481	.0143	60.71		.0104	316.28
19	S2	.083333333	381- 481	.1638	90.33		.1636	180.24
20	K2	.085661454	381- 481	.0469	83.73	INF FR S2	.0395	167.49
21	ETA2	.088507354	381- 481	.0058	177.18		.0050	332.82
22	MO3	.119242006	381- 481	.0044	24.69		.0040	323.62
23	M3	.120756710	381- 481	.0031	175.08		.0032	234.78
24	SK3	.122299216	381- 481	.0021	185.59		.0020	357.69
25	SK3	.123811408	381- 481	.0043	54.23		.0040	276.28
26	MK4	.159510866	381- 481	.0007	200.13		.0007	220.81
27	S4	.161022959	381- 481	.0017	98.68		.0018	178.60
28	SN4	.162332355	381- 481	.0002	305.34		.0002	15.96
29	MS4	.163844759	381- 481	.0017	235.49		.0017	8.36
30	S4	.166666667	381- 481	.0005	150.43		.0005	330.24
31	2MK5	.202280355	381- 481	.0003	141.05		.0003	353.12
32	2SK5	.203847741	381- 481	.0007	305.26		.0006	257.21
33	2MN6	.240022055	381- 481	.0001	91.43		.0001	152.07
34	M6	.241538200	381- 481	.0013	189.29		.0014	309.18
35	2MS6	.244356613	381- 481	.0013	281.45		.0014	91.28
36	2SM6	.247178075	381- 481	.0005	322.47		.0005	182.25
37	3MK7	.283314955	381- 481	.0006	317.66		.0006	209.69
38	M8	.322045600	381- 481	.0005	339.30		.0006	139.15

AFTER INFERENCE, RMS(RESID ERROR)= .04141

Calibration A

ION 40-03 PRELIMINARY RESULTS

ITITUENT	FREQUENCY	C	ERR	S	ERR
Z0	0.000000000	1.439	.001	0.000	.000
M'	.0015 1215	.015	.002	.004	.002
M2F	.0028 21033	.017	.002	-.006	.002
ALP1	.0343 86557	.007	.002	.005	.002
2Q1	.0357 06335	.004	.002	.002	.002
Q1	.0372 18550	.017	.002	.004	.002
O1	.0387 30765	-.014	.002	.076	.002
NO1	.0402 42980	.010	.002	.002	.002
K1	.0417 55195	.032	.002	.046	.002
J1	.0432 67410	-.010	.002	.000	.002
OO1	.0447 79624	-.004	.002	.002	.002
UPS1	.0463 41890	.001	.002	.002	.002
EPS2	.0761 77552	-.005	.002	-.004	.002
MU2	.0776 89767	.012	.002	-.019	.002
N2	.0789 93255	.030	.002	.002	.002
M2	.0805 11470	.094	.002	.377	.002
L2	.0820 23555	.007	.002	-.007	.002
S2	.0833 33333	-.193	.002	-.007	.002
ETA2	.0850 73804	.005	.002	-.002	.002
MO3	.1192 42205	.003	.002	-.002	.002
M3	.1207 87710	-.002	.002	-.003	.002
SK3	.1222 21555	.002	.002	-.000	.002
SK3	.1237 11400	.001	.002	-.004	.002
MN4	.1595 10665	-.001	.002	-.000	.002
M4	.1610 22880	-.002	.002	-.000	.002
SN4	.1623 32258	.000	.002	.000	.002
MS4	.1638 44473	.002	.002	.000	.002
S4	.1666 66667	.000	.002	-.000	.002
2MK5	.2028 03555	.000	.002	-.000	.002
2SK5	.2084 47741	-.000	.002	-.001	.002
2MN6	.2400 22205	-.000	.002	-.000	.002
M6	.2415 34420	.001	.002	-.001	.002
2MS6	.2443 96613	-.000	.002	-.001	.002
2SM6	.2471 73307	-.000	.002	-.000	.002
3MK7	.2833 14495	-.000	.002	-.000	.002
M8	.3220 45560	-.000	.002	.000	.002

BER OF VALID DATA = 1103 AVERAGE = 1.44 STANDARD DEVIATION = .33

ORETICAL RMS = .05 MATRIX CONDITION = .41

OF THE RESIDUES= .05

Calibration B

ALYSIS OF HOURLY TIDAL HEIGHTS STN 40803 10H 10/ 3/81 TO 9H 25/ 4/81

NO.OBS.= 1104 NO.PTS.ANAL.= 1104 MIDPT= 9H 2/ 4/81 SEPARATION =1.00

ZONE= CST LATITUDE=748 58N LONGITUDE= 998 22W REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G	AL	GL
1	Z0	0.000000000	381-	481	1.4386	0.00	1.4386	0.00
2	MN	.001512115	381-	481	.0153	321.04	.0153	16.78
3	MSF	.002821933	381-	481	.0183	288.08	.0183	339.93
4	ALP1	.034396657	381-	481	.0092	244.04	.0086	38.59
5	2Q1	.035706635	381-	481	.0045	238.34	.0043	27.10
6	Q1	.037218550	381-	481	.0184	165.82	.0169	12.31
7	O1	.038730668	381-	481	.0869	196.59	.0778	100.56
8	NO1	.040268559	381-	481	.0095	256.51	.0103	9.98
9	K1	.041728075	381-	481	.1005	257.20	.0943	29.34
10	J1	.043289290	381-	481	.0109	340.09	.0097	177.09
11	001	.044830884	381-	481	.0064	316.09	.0049	154.68
12	UPS1	.046342899	381-	481	.0028	163.95	.0021	53.95
13	EPS2	.076177732	381-	481	.0056	291.67	.0060	219.95
14	MU2	.077683947	381-	481	.0219	316.05	.0227	302.89
15	N2	.078939025	381-	481	.0755	20.53	.0605	1.25
16	M2	.080511480	381-	481	.3794	36.10	.3885	76.07
17	L2	.082082355	381-	481	.0142	58.79	.0103	314.36
18	S2	.083333333	381-	481	.1986	88.16	.1983	178.07
19	ETA2	.085073684	381-	481	.0060	176.54	.0053	332.19
20	MO3	.119242209	381-	481	.0043	23.05	.0040	327.88
21	M3	.120767710	381-	481	.0033	175.11	.0034	234.81
22	MK3	.122292115	381-	481	.0021	181.38	.0020	353.49
23	SK3	.125114088	381-	481	.0040	58.07	.0037	280.12
24	MN4	.159511065	381-	481	.0007	198.13	.0008	218.31
25	M4	.161022800	381-	481	.0018	100.47	.0019	180.39
26	SN4	.162332558	381-	481	.0003	309.38	.0003	20.00
27	MS4	.163844473	381-	481	.0019	231.46	.0019	1.33
28	S4	.166666667	381-	481	.0003	139.10	.0003	318.91
29	2MK5	.202803558	381-	481	.0002	136.58	.0002	348.65
30	2SK5	.208447411	381-	481	.0006	312.75	.0006	264.71
31	2MN6	.240022055	381-	481	.0003	126.17	.0003	186.81
32	M6	.241534200	381-	481	.0012	189.58	.0013	309.47
33	2MS6	.244256133	381-	481	.0010	200.84	.0011	100.67
34	2SM6	.245717607	381-	481	.0004	324.79	.0004	184.56
35	3MK7	.283314955	381-	481	.0003	305.40	.0003	197.43
36	M8	.322045600	381-	481	.0005	343.20	.0006	143.05

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 40803 10H 10/ 3/81 TO 9H 25/ 4/81

NO.OBS.= 1104 NO.PTS.ANAL.= 1104 MIDPT= 9H 2/ 4/81 SEPARATION =1.00

TIME ZONE= CST LATITUDE=740 5 M LONGITUDE= 990 22 M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G		AL	GL
1	70	0.000000000	381-	481	1.4386	0.00		1.4386	0.00
2	MM	.001512150	381-	481	.0153	321.04		.0153	16.78
3	MSF	.002821933	381-	481	.0183	288.08		.0183	339.93
4	ALP1	.034399657	381-	481	.0092	244.04		.0086	38.59
5	2Q1	.035706365	381-	481	.0045	238.34		.0043	27.10
6	Q1	.055721850	381-	481	.0184	165.82		.0169	12.31
7	O1	.038730665	381-	481	.0869	196.59		.0778	100.56
8	NO1	.040268853	381-	481	.0095	256.51		.0103	9.98
9	P1	.041552529	381-	481	.0505	256.21	INF FR K1	.0506	224.43
10	K1	.041780785	381-	481	.1481	262.11		.1389	34.25
11	J1	.043292900	381-	481	.0100	340.09		.0097	177.09
12	001	.044830844	381-	481	.0064	316.09		.0049	154.68
13	UPS1	.045342999	381-	481	.0028	163.95		.0021	53.95
14	EPS2	.076177321	381-	481	.0056	291.97		.0060	219.95
15	MU2	.077633947	381-	481	.0219	316.05		.0227	302.89
16	N2	.078999925	381-	481	.0755	20.53		.0805	1.25
17	M2	.080511400	381-	481	.3794	36.10		.3885	76.07
18	L2	.082023559	381-	481	.0142	58.79		.0103	314.36
19	S2	.083333333	381-	481	.1638	90.43		.1636	180.33
20	K2	.083561499	381-	481	.0469	93.83	INF FR S2	.0395	167.59
21	ETA2	.085073365	381-	481	.0060	176.54		.0053	332.19
22	MO3	.119242086	381-	481	.0043	23.95		.0040	327.38
23	M3	.120786710	381-	481	.0033	175.11		.0034	234.31
24	MK3	.122292215	381-	481	.0021	181.38		.0020	353.49
25	SK3	.125114083	381-	481	.0040	38.07		.0037	280.12
26	MN4	.159510695	381-	481	.0007	196.13		.0008	218.81
27	M4	.161022280	381-	481	.0018	100.47		.0019	130.39
28	SN4	.162332351	381-	481	.0003	309.38		.0003	20.00
29	MS4	.163844773	381-	481	.0019	231.46		.0019	1.33
30	S4	.166566567	381-	481	.0003	139.10		.0003	318.91
31	2MK5	.202803855	381-	481	.0002	136.58		.0002	348.65
32	2SK5	.208447411	381-	481	.0006	312.75		.0006	264.71
33	2MN6	.240622295	381-	481	.0003	126.17		.0003	186.81
34	M6	.241534200	381-	481	.0012	189.56		.0013	309.47
35	2MS6	.244356134	381-	481	.0010	290.84		.0011	100.67
36	2SM6	.245717507	381-	481	.0004	324.79		.0004	184.56
37	MSK7	.263314955	381-	481	.0003	305.40		.0003	197.43
38	S8	.322084560	381-	481	.0005	343.20		.0006	143.05

AFTER INFERENCE, RMS(RESID ERROR)= .04140

Calibration B

NUMBER	NAME	STATION	ZONE	LAT	LONG	ANALYSIS LENGTH	ANALYSIS C.T.
40803	ALLISON BAY-	CAL. A	CST	7458 NORTH	9922 WEST	46 DAYS	481 MOYR

REFERENCE STATION - - 5560

Z0 1.407 (C.T. 481)

CONSTITUENT	AMPLITUDE	PHASE	CONSTITUENT	AMPLITUDE	PHASE
MM	.015	320.4	MSF	.019	287.7
2Q1	.004	237.4	Q1	.018	165.4
O1	.057	196.6	NO1	.010	256.6
P1	.050	258.2	K1	.148	262.1
J1	.010	338.8	OO1	.007	315.6
MU2	.022	315.6	N2	.075	20.6
M2	.380	36.1	L2	.014	60.7
S2	.164	90.3	K2	.047	83.7
MO3	.004	24.7	M3	.003	175.1
MK3	.002	185.6	SK3	.004	54.2
MN4	.001	200.1	M4	.002	98.7
MS4	.002	278.5			
M6	.001	169.3	2MS6	.001	281.4
2SM6	.001	322.5			
M8	.001	339.3			

AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
54	2.32	66	1.70	217	.18	.42	.42	.60

MEAN TIDES, TIMES AND HEIGHTS

HHW		LHW		HLW		LLW	
1424	2.0	130	1.7	2047	1.1	733	.9

LARGE TIDES HHW	LLW	RANGES MT	LT
2.3	.5	1.1	1.7

HEIGHT VALUES ARE EXPRESSED IN METRES

DATE AND TIME OF THE COMPUTER RUN 82/06/29. - 14.35.48.

NUMBER	NAME	STATION	ZONE	LAT	LONG	ANALYSIS LENGTH	ANALYSIS C.T.
10803	ALLISON BAY	CA. 3	CST	7458 NORTH	9922 WEST	46 DAYS	481 MOYR

REFERENCE STATION - 5560

Z0 1.439 (C.T. 481)

CONSTITUENT	AMPLITUDE	PHASE	CONSTITUENT	AMPLITUDE	PHASE
MM	.015	321.0	MSF	.018	288.1
2Q1	.005	239.3	Q1	.018	165.8
O1	.087	196.6	NO1	.010	256.5
P1	.050	258.2	K1	.148	262.1
J1	.010	340.1	OO1	.006	316.1
MU2	.022	316.0	N2	.075	20.5
M2	.379	36.1	L2	.014	58.8
S2	.164	90.4	K2	.047	83.8
M0S	.004	23.9	M3	.003	175.1
MK3	.002	181.4	SK3	.004	58.1
MN4	.001	198.1	M4	.002	100.5
MS4	.002	231.5			
S6	.001	169.6	2MSE	.001	290.8
M8	.001	343.2			

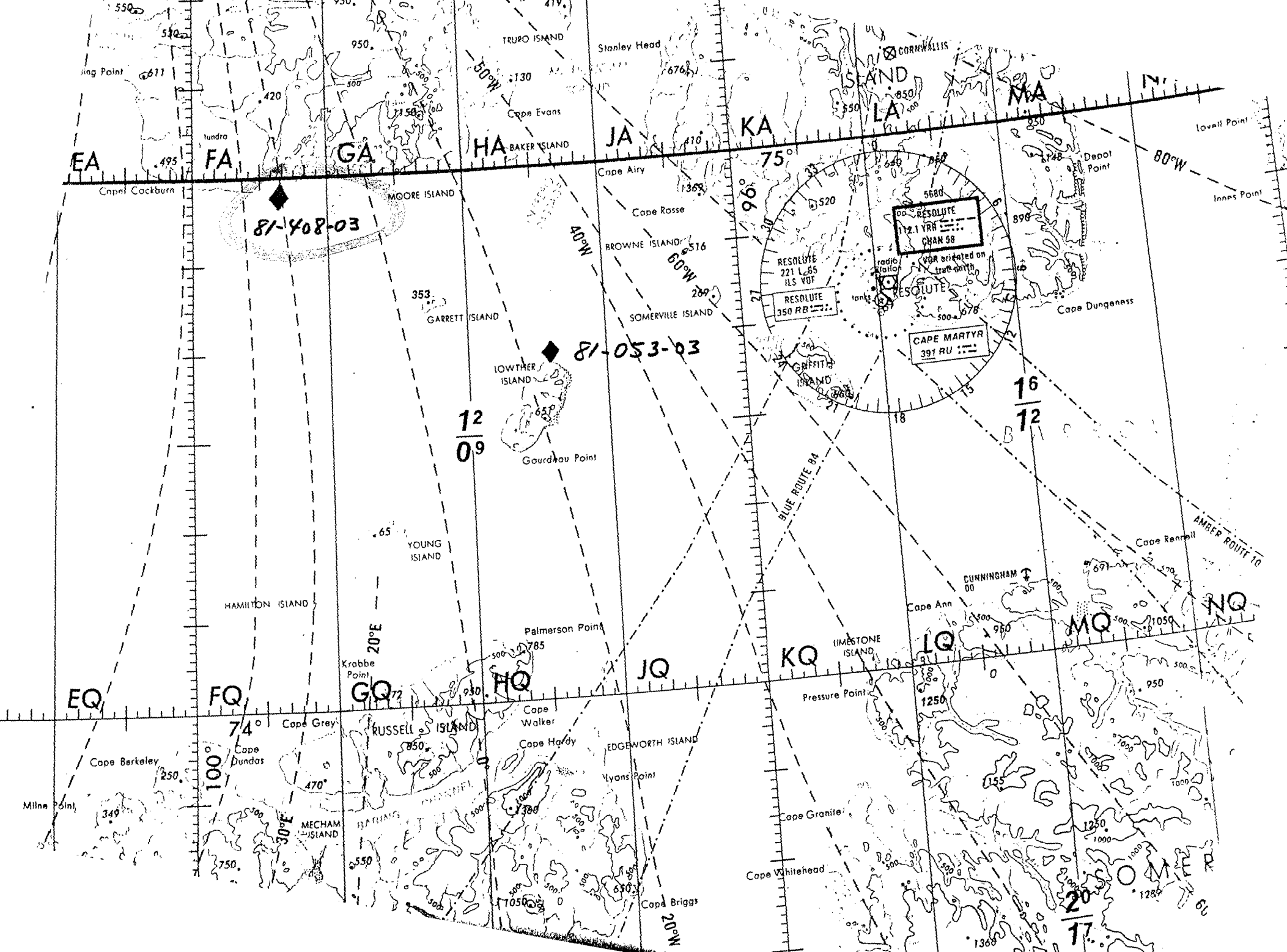
AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
54	2.31	66	1.70	217	.18	.42	.42	.60

MEAN TIDES, TIMES AND HEIGHTS

1424	2.0	130	1.7	2047	1.1	733	.9
HHW		LHW		HLW		LLW	

LARGE TIDES		RANGES	
2.3	.6	1.1	1.7
HHW	LLW	MT	LT

HEIGHT VALUES ARE EXPRESSED IN METRES
DATE AND TIME OF THE COMPUTER RUN 82/06/29. - 14.36.43.


81-408-03
81-053-03
RESOLUTE
112.1 YRN
CHAN 58
VOR oriented on true north
RESOLUTE
221 L 65
ILS VOF
RESOLUTE
350 RB
CAPE MARTYR
391 RU
radio station
tanks
Cape Dungeness
Depot Point
Lovell Point
Innes Point
Cape Rosse
Cape Airy
BROWNE ISLAND
SOMERVILLE ISLAND
GARRETT ISLAND
MOORE ISLAND
Capel Cockburn
BAKER ISLAND
Cape Evans
TRURO ISLAND
Stanley Head
CORNWALLIS ISLAND
LOWTHER ISLAND
Gourdeau Point
GRIFFITH ISLAND
YOUNG ISLAND
HAMILTON ISLAND
Palmerson Point
Krabbe Point
Cape Grey
RUSSELL ISLAND
Cape Walker
Cape Hardy
EDGEWORTH ISLAND
Lyons Point
Cape Granite
Cape Whitehead
Cape Briggs
Cape Berkeley
Cape Dundas
Milne Point
MECHAM ISLAND
BARRINGTON PASSAGE
Cape Ann
CUNNINGHAM
LIMESTONE ISLAND
Pressure Point
Cape Rennell
BLUE ROUTE 84
AMBER ROUTE 10
SOMER
EA
FA
GA
HA
JA
KA
LA
MA
EQ
FQ
GQ
HQ
JQ
KQ
LQ
MQ
NQ
50°W
40°W
60°W
75°
80°W
96°
20°E
30°E
100
74°
12/09
16/12
20/17

TIDAL ANALYSIS INFORMATION SHEET

STATION NO: 81-408-03
LOCATION: Allison Bay
PERIOD OF OPERATION: March 9/81 - April 25/81
TIME ZONE: CST 15 minute interval, integration
GAUGE DATA: 1) Model - WLR5
2) Range - 0-20 m.
3) Calibration Coefficients - 3

	(A) June 26 1980	(B) Jan 5 1982
Pressure - A	468.528	468.014 (PSI)
- B	253.241	249.227
- X_0	3419705.830	3419176.417

PROCESSING DATA:

1) Gauge Zero -
2) Gravity Correction -
3) Atmospheric Pressure -
4) Water Density -
5) Temperature -

First sample 2000/066
First Good 533 171 1030/068
First Bad. 378 264 0945/115
Last sample 2215/115

PROCESSING PROBLEMS:

1) Aanderaa Translation - CCIW Translator
No revision required.

2) Calibration - Pressure calibration June 26/80, then installed in Lake Erie, July to Nov, then in Allison Bay & calibrated again Jan 5/82

3) Reformatting -
PLEDIT program on Translator

4) Water Levels - 1210 0381 - 0925 0481
Lat. 7458 Long 9922

5) Master Filing -

	(A)	(B)
Max	1412.13	1415.27
Min	1269.06	1272.22
Range	143.07	143.05

Offset 1210.

B

408

HEADER INFORMATION:
    OUTPUT TAPE NO HWL 046. SN NO 048. 25/4/81. FILE 1 OF 4.
TRANS. JUNE 25/1982, 556 BPI.

TRANSLATION BEGUN
DISPLAY NOW SET FOR CHANNEL 4T

TRANSLATION ENDED

(1)

DATA SUMMARY

INPUT TAPE
- (0001*4096) + 0619 REFERENCE BITS READ
- 0000 ERRORS TYPE 1 (REF BIT LOCATION) ENCOUNTERED
- 0001 2 (REF BIT MISSING)
- 0000 3 (WORD LENGTH)
- 0000 4 (BIT LENGTH)

OUTPUT TAPE
- (0000*4096) + 0197 RECORDS WRITTEN
- 1 EOF

RESTART OPTIONS-(S, L, B, OR A):

3CDDump - MHS

RAW [illegible] DATA F[illegible] TAPE BUILD-5 FILE NO. 1

OUTPUT TAPE NO PNL 048. SN NO 408. 25/4/31. FILE 1 OF 4. TRANS. JUNE 25/1982

81-408-03

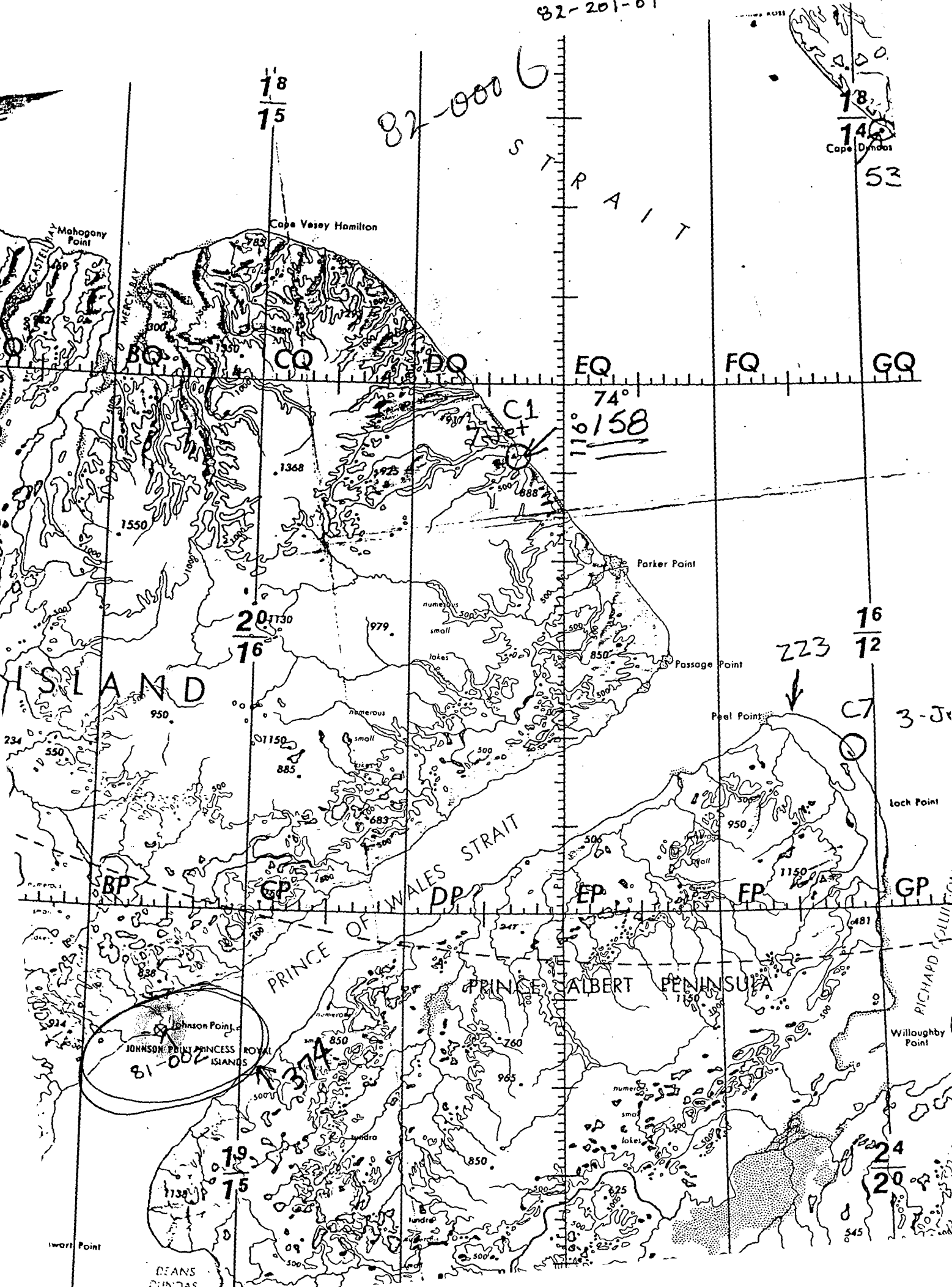
PLEDIT
LISTING

INPUT BLK	SCAN	REF E	BLOCK E	PRESSURE WORDS	
1		0134	0001	0377	0046*
1		0134	0001	0377	0052*
1		0134	0001	0377	0072*
1		0134	0001	0377	0072*
1		0134	0001	0377	0075*
1		0134	0001	0377	0102*
1		0134	0001	0377	0121*
1		0134	0001	0377	0107*
1		0134	0001	0377	0096*
1		0134	0001	0377	0103*
1		0134	0001	0377	0110*
1		0134	0001	0377	0110*
1		0134	0001	0377	0119*
1		0134	0001	0377	0118*
1		0134	0001	0377	0136*
1		0134	0001	0377	0145*
1	055/061	0134	0001	0377	0144*
1		0134	0001	0377	0124*
1		0134	0001	0377	0099*
1		0134	0001	0377	0106*
1		0134	0001	0377	0124*
1		0134	0001	0377	0136*
1		0134	0001	0377	0126*
1		0134	0001	0377	0129*
2		0134	0001	0377	0139*
2		0134	0001	0377	0156*
2		0134	0001	0377	0163*
2		0134	0001	0377	0191*
2		0134	0001	0377	0201*
2		0134	0002	0377	0213*
2		0134	0002	0377	0240*
2		0134	0002	0377	0256*
2		0134	0002	0377	0252*
2		0134	0002	0377	0262*
2		0134	0002	0377	0268*
2		0134	0002	0377	0288*
2		0134	0002	0377	0299*
2		0134	0002	0377	0306*
2		0134	0002	0377	0306*
2		0134	0002	0377	0310*
2		0134	0002	0377	0312*
2		0134	0002	0377	0304*
2		0134	0002	0377	0306*
2		0134	0002	0377	0303*
2		0134	0002	0377	0308*
2		0134	0002	0377	0313*
2		0134	0002	0377	0313*
2		0134	0002	0377	0315*
2		0134	0002	0377	0306*
2		0134	0002	0377	0316*
2		0134	0002	0377	0301*
2		0134	0002	0377	0270*
2		0134	0002	0377	0267*
2		0134	0002	0377	0277*
2		0134	0002	0377	0290*
2		0134	0002	0377	0264*
2		0134	0002	0377	0331*
2		0134	0002	0377	0324*
2		0134	0002	0377	0316*

200/066

82-0006

Joint Venture by Canadian Hydrographic Service, Burlington, Ontario and FSRG.


82-201-01
82-0006
STRAIT
Cape Dundas
Cape Vesey Hamilton
Mahogany Point
CASTELNAU BAY
MERCY BAY
BQ
CQ
DQ
EQ
FQ
GQ
74°
C1
158
Parker Point
ISLAND
Passage Point
Peel Point
223
C7
Lock Point
PRINCE OF WALES STRAIT
BP
CP
DP
EP
FP
GP
PRINCE ALBERT PENINSULA
Johnson Point
JOHNSON POINT PRINCESS ROYAL ISLANDS
81-002
314
Willoughby Point
PICHARD
DEANS

NUMBER	NAME	STATION	ZONE	LAT	LONG	ANALYSIS LENGTH	ANALYSIS C.T.
20101	JOHNSON	PT., BANKS IS	CST	7245 NORTH	11827 WEST	41 DAYS	382 MOYR

REFERENCE STATION - 5560

Z0 .645 (C.T. 382)

CONSTITUENT	AMPLITUDE	PHASE	CONSTITUENT	AMPLITUDE	PHASE
MM	.031	89.7	MSF	.019	317.6
2Q1	.001	246.2	Q1	.008	78.4
O1	.028	83.7	NO1	.005	43.3
P1	.014	359.8	K1	.040	3.7
J1	.002	23.1	OO1	.001	348.1
MU2	.002	21.5	N2	.005	296.2
M2	.017	13.8	S2	.029	142.7
K2	.008	136.1			
MO3	.002	212.3	M3	.001	40.5
MK3	.003	352.5	SK3	.001	41.8
MN4	.001	240.0	M4	.007	256.1
SN4	.001	209.2	MS4	.002	8.0
S4	.001	322.5			
M6	.001	343.4	2MS6	.001	15.1
2SM6	.001	108.1			

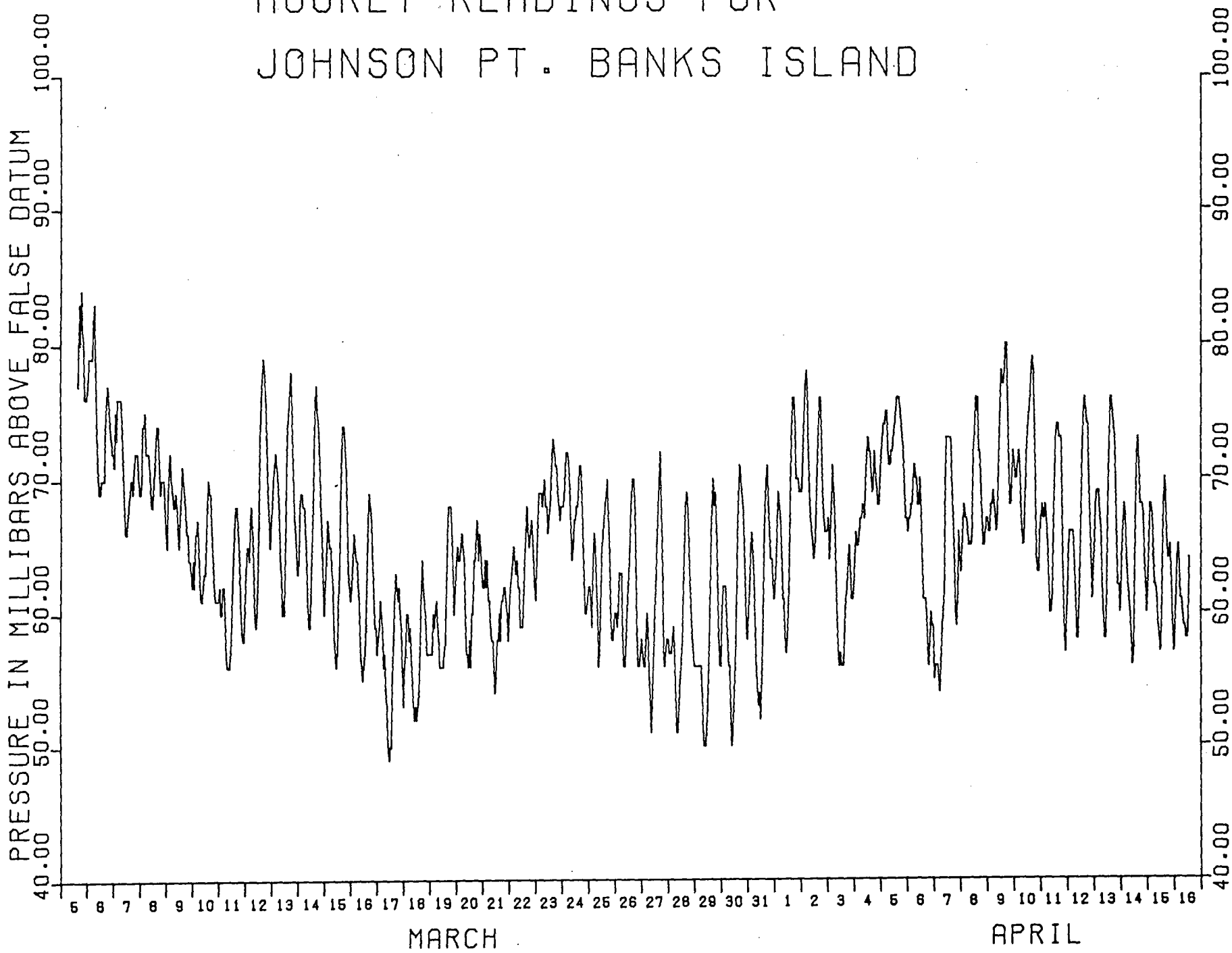
AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
129	.59	280	1.43	331	.05	.03	1.45	.09

MEAN TIDES, TIMES AND HEIGHTS

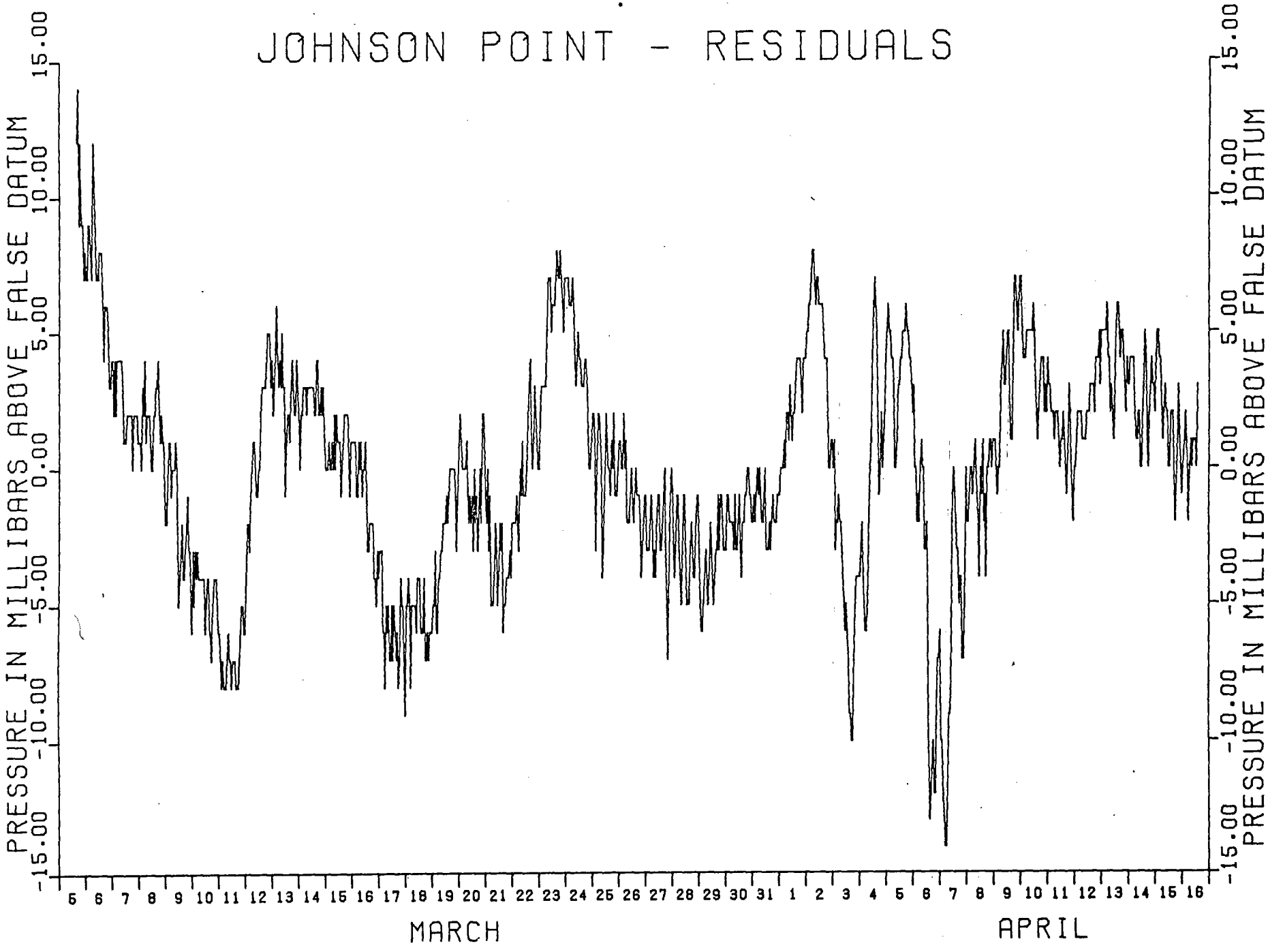
400	.7	1704	.7	2018	.6	1143	.6
HHW		LHW		HLW		LLW	

LARGE TIDES		RANGES	
.8	.6	.1	.2
HHW	LLW	MT	LT

HEIGHT VALUES ARE EXPRESSED IN METRES
DATE AND TIME OF THE COMPUTER RUN 82/09/15. - 13.48.11.


HOURLY READINGS FOR
JOHNSON PT. BANKS ISLAND
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
100.00
90.00
80.00
70.00
60.00
50.00
40.00
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
MARCH
APRIL

HOURLY READINGS FOR JOHNSON POINT - RESIDUALS



ION 20101 PRELIMINARY RESULTS

TITUENT	FREQUENCY	C	ERR	S	ERR
Z0	0.00000000	.645	.001	0.000	.000
MM	.00151215	-.026	.002	.018	.002
MSF	.00282193	.002	.002	-.019	.002
ALP1	.03439657	.003	.002	.000	.002
2Q1	.03570635	.001	.002	.001	.002
Q1	.03721850	.002	.002	-.006	.002
O1	.03873065	.026	.002	-.007	.002
NO1	.04026859	.000	.002	.002	.002
K1	.04178075	.015	.002	.022	.002
J1	.04329290	-.002	.002	.002	.002
OO1	.04483084	.000	.002	.000	.002
UPS1	.04634299	.001	.002	.000	.002
EPS2	.07617732	.000	.002	-.000	.002
MU2	.07768947	.002	.002	.001	.002
N2	.07899925	-.005	.002	-.001	.002
M2	.08051140	.015	.002	-.009	.002
L2	.08202355	-.000	.002	.000	.002
S2	.08333333	.022	.002	.029	.002
ETA2	.08507364	-.001	.002	.000	.002
MO3	.11924206	.001	.002	.002	.002
M3	.12076710	.001	.002	-.000	.002
MK3	.12229215	.003	.002	-.000	.002
SK3	.12511408	.001	.002	.000	.002
MN4	.15951065	-.000	.002	.001	.002
M4	.16102280	-.007	.002	.002	.002
SN4	.16233258	.001	.002	.000	.002
MS4	.16384473	-.001	.002	-.002	.002
S4	.16666667	-.001	.002	.001	.002
2MK5	.20280355	.002	.002	-.001	.002
2SK5	.20844741	-.000	.002	.001	.002
2MN6	.24002205	-.000	.002	-.000	.002
M6	.24153420	-.001	.002	-.001	.002
2MS6	.24435613	-.001	.002	-.000	.002
2SM6	.24717807	-.000	.002	-.001	.002
3MK7	.28331495	-.000	.002	-.000	.002
M8	.32204560	-.000	.002	-.000	.002

ER OF VALID DATA = 1007 AVERAGE = .65 STANDARD DEVIATION = .06

RETICAL RMS = .04 MATRIX CONDITION = .34

OF THE RESIDUES= .04

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 20101 16H 5/ 3/82 TO 14H 16/ 4/82

NO.OBS.= 1007 NO.PTS.ANAL.= 1007 MIDPT=15H 26/ 3/82 SEPARATION =1.00

TIME ZONE= CST LATITUDE=72D 45M LONGITUDE=115D 27M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G	AL	GL
1	Z0	0.00000000	382-	482	.6450	0.00	.6450	0.00
2	MM	.00151215	382-	482	.0314	89.72	.0314	144.93
3	MSF	.00282193	382-	482	.0187	317.59	.0187	274.77
4	ALP1	.03439657	382-	482	.0027	120.55	.0027	8.90
5	2Q1	.03570635	382-	482	.0013	246.20	.0014	35.04
6	Q1	.03721850	382-	482	.0081	78.38	.0080	283.29
7	O1	.03873065	382-	482	.0275	83.70	.0265	344.48
8	NO1	.04026859	382-	482	.0045	43.34	.0025	83.50
9	K1	.04178075	382-	482	.0270	5.84	.0264	55.92
10	J1	.04329290	382-	482	.0021	23.10	.0023	134.90
11	001	.04483084	382-	482	.0005	348.12	.0004	24.47
12	UPS1	.04634299	382-	482	.0013	277.95	.0011	5.83
13	EPS2	.07617732	382-	482	.0002	33.26	.0003	333.82
14	MU2	.07768947	382-	482	.0024	21.47	.0025	18.63
15	N2	.07899925	382-	482	.0052	296.18	.0056	194.49
16	M2	.08051140	382-	482	.0175	13.77	.0177	328.67
17	L2	.08202355	382-	482	.0002	337.05	.0001	164.35
18	S2	.08333333	382-	482	.0364	143.39	.0364	53.27
19	ETA2	.08507364	382-	482	.0008	165.23	.0008	151.92
20	MQ3	.11924206	382-	482	.0021	212.26	.0020	67.95
21	M3	.12076710	382-	482	.0009	40.50	.0010	332.74
22	MK3	.12229215	382-	482	.0027	352.49	.0027	357.47
23	SK3	.12511408	382-	482	.0007	41.83	.0007	1.79
24	MN4	.15951065	382-	482	.0012	240.01	.0013	93.22
25	M4	.16102280	382-	482	.0075	256.15	.0079	165.35
26	SN4	.16233258	382-	482	.0007	209.15	.0008	17.34
27	MS4	.16384473	382-	482	.0024	7.98	.0025	232.77
28	S4	.16666667	382-	482	.0015	322.55	.0015	142.31
29	2MK5	.20280355	382-	482	.0019	16.21	.0019	336.09
30	2SK5	.20844741	382-	482	.0006	238.74	.0006	108.58
31	2MN6	.24002205	382-	482	.0003	83.56	.0003	251.67
32	M6	.24153420	382-	482	.0013	343.44	.0013	208.15
33	2MS6	.24435613	382-	482	.0009	15.07	.0009	194.75
34	2SM6	.24717807	382-	482	.0008	108.14	.0009	242.80
35	3MK7	.28331495	382-	482	.0003	306.16	.0003	220.94
36	M8	.32204560	382-	482	.0003	14.83	.0004	194.44

LYSIS OF HOURLY TIDAL HEIGHTS STN 20101 16H 5/ 3/82 TO 14H 16/ 4/82

OBS.= 1007 NO.PTS.ANAL.= 1007 MIDPT=15H 26/ 3/82 SEPARATION =1.00

IE ZONE= CST LATITUDE=72D 45M LONGITUDE=118D 27M REF. STATION= 5560

No.	NAME	FREQUENCY	M-Y/ M-Y	A	G		AL	GL
1	Z0	0.00000000	382- 482	.6450	0.00		.6450	0.00
2	MM	.00151215	382- 482	.0314	89.72		.0314	144.33
3	MSF	.00282193	382- 482	.0187	317.59		.0187	274.77
4	ALP1	.03439657	382- 482	.0027	120.55		.0027	8.90
5	2Q1	.03570635	382- 482	.0013	246.20		.0014	35.04
6	Q1	.03721850	382- 482	.0081	78.38		.0060	283.29
7	O1	.03873065	382- 482	.0275	83.70		.0265	344.48
8	NO1	.04026859	382- 482	.0045	43.34		.0025	83.50
9	P1	.04155259	382- 482	.0135	359.79	INF FR K1	.0136	229.16
10	K1	.04178075	382- 482	.0397	3.69		.0388	53.76
11	J1	.04329290	382- 482	.0021	23.10		.0023	134.90
12	OO1	.04483084	382- 482	.0005	348.12		.0004	24.47
13	UPS1	.04634299	382- 482	.0013	277.95		.0011	5.33
14	EPS2	.07617732	382- 482	.0002	33.26		.0003	333.82
15	MU2	.07768947	382- 482	.0024	21.47		.0025	18.63
16	N2	.07899925	382- 482	.0052	296.18		.0058	194.49
17	M2	.08051140	382- 482	.0175	13.77		.0177	328.67
18	L2	.08202355	382- 482	.0002	337.05		.0001	164.35
19	S2	.08333333	382- 482	.0293	142.72		.0293	52.60
20	K2	.08356149	382- 482	.0084	136.12	INF FR S2	.0077	56.04
21	ETA2	.08507364	382- 482	.0008	165.23		.0008	151.92
22	MO3	.11924206	382- 482	.0021	212.26		.0020	67.95
23	M3	.12076710	382- 482	.0009	40.50		.0010	332.74
24	MK3	.12229215	382- 482	.0027	352.49		.0027	357.47
25	SK3	.12511408	382- 482	.0007	41.83		.0007	1.79
26	MN4	.15951065	382- 482	.0012	240.01		.0013	93.22
27	M4	.16102280	382- 482	.0075	256.15		.0078	165.95
28	SN4	.16233258	382- 482	.0007	209.15		.0008	17.34
29	MS4	.16384473	382- 482	.0024	7.98		.0025	232.77
30	S4	.16666667	382- 482	.0015	322.55		.0015	142.31
31	2MK5	.20280355	382- 482	.0019	16.21		.0019	336.09
32	2SK5	.20844741	382- 482	.0006	238.74		.0006	108.58
33	2MN6	.24002205	382- 482	.0003	83.56		.0003	251.67
34	M6	.24153420	382- 482	.0013	343.44		.0013	208.15
35	2MS6	.24435613	382- 482	.0009	15.07		.0009	194.75
36	2SM6	.24717807	382- 482	.0008	108.14		.0009	242.80
37	3MK7	.28331495	382- 482	.0003	306.16		.0003	220.94
38	M8	.32204560	382- 482	.0003	14.83		.0004	194.44

AFTER INFERENCE, RMS(RESID ERROR)= .0422€

JOHNSTON PT.,[illegible] LS DST 72 45 11[illegible] 27 1 X 41 [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Z0	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	O1	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	K1	2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M2	3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	S2	4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	MS4	6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N2	8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	MM	10
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Q1	12
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	J1	13
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	OO1	14
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	MU2	15
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	L2	16
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NO1	17
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	MN4	18
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M8	19
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ALP1	21
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2Q1	22
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P1	28
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	UPS1	33
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	EPS2	35
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	K2	44
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ETA2	45
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M3	46
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	MO3	50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	MK3	52
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SK3	53
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SN4	54
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	S4	56
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2MK5	58
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2SK5	59
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2MN6	60
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M6	61
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2MS6	62
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2SM6	64
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3MK7	66
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	MSF	68

C.H.S T.I.D.E.S.
DG Instruments Ocean Data System
February 23, 1982

CANADIAN HYDROGRAPHIC SERVICE
TIDAL INSTRUMENT DEVELOPMENT AND ENGINEERING SUPPORT

DG INSTRUMENTS OCEAN DATA SYSTEM PRESSURE SENSOR CALIBRATION

STRUMENT MODEL NUMBER: DDS-400 SERIAL NUMBER: 81-002 DATE: 82 16 FEB.

ESSURE SENSOR MODEL NUMBER: 2400-A_-002 SERIAL NUMBER: 7894

MPERATURE OF CALIBRATION RUN: +0.30 C CALIBRATION SITE: NRC-OTTAWA

PRESSURE IN.[mb]	FREQUENCY MEAS.[Hz]	PRESSURE CALC.[mb]	ERROR [mb]	ERROR %FS	REVISED PRESSURE	ERROR [mb]	ERROR %FS
3446.21	36739.7	3443.46	-2.8	-0.01	3446.5	+0.3	+0.00
7581.74	36040.1	7579.04	-2.7	-0.01	7581.3	-0.4	-0.00
14474.05	34843.1	14467.8	-6.3	-0.02	14470.4	-3.6	-0.04
21366.30	ERROR						
28270.21	ERROR						

ENSOR TRANSFER FUNCTION COEFFICIENTS:

	INITIAL	REVISED
A:	0.226162 E 6	----------
B:	0.113840 E 6	----------
T:	0.268008 E 2	0.268005 E 2

COMMENTS:

sensor FREQUENCY OUT OF RANGE FOR DGI GAUGE AT PRESSURES >= 300 psia

ALIBRATION PERFORMED BY: A. BASS AND R. JOHNS

EVIEWED: B.F. WHITE / February 24, 1982

AANDERAA . DE GAUGE

DEPLOYMENT AND RECOVERY FORM

NO: 81-002

TIME ZONE USED: C S T

SAMPLING INTERVAL: 15

RATION

ALIZATION DATE(DMY): 25 FEB 1982

RESET: —

T FIRE: MARCH 4, 1982 @ 1215 hrs

AD TAPE: —

ST READING ON ~~TAPE~~ EPROM: 1215 hrs

OND READING ON ~~TAPE~~ EPROM: 1230 hrs

Delay Deployed.
Time entered
25/2/82
(1505 hrs EST.)
1405 hrs C.S.T.
1 minute S.I.

I-PRINTER READINGS:

TIME
READINGS

TIME
READINGS

TIME
READINGS

TIME
READINGS

15
152
466
46
47
145
152
163
76
201

PLOYMENT

PLOYMENT DATE(DMY): 05/03/82

ME IN WATER: 1548

ME ON BOTTOM: 1552

LOCATION

LAT: —

LONG: —

OTHER: —

½ mile due east of Johnson Pt. Camp.

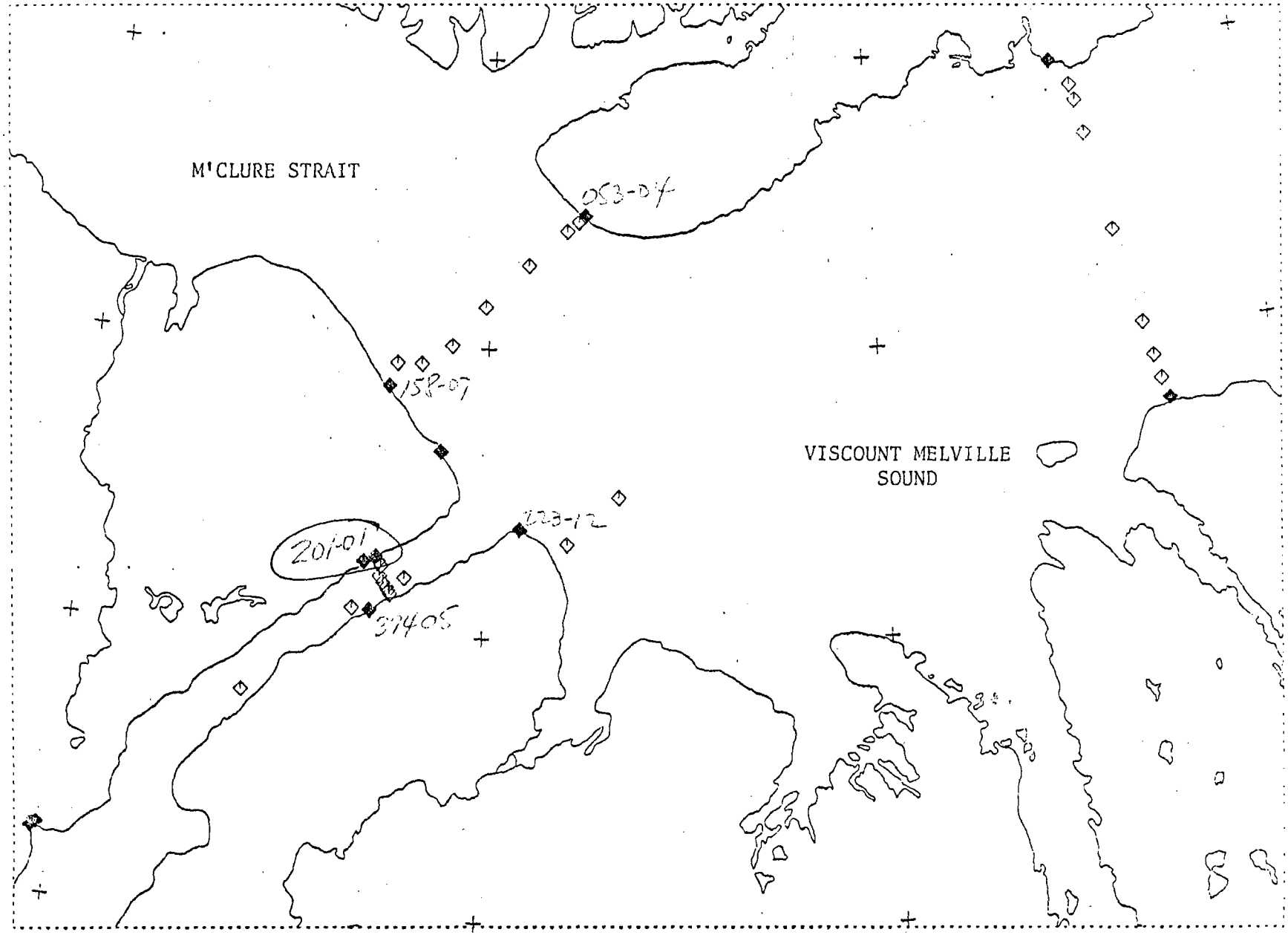
COVERY

COVERY DATE(DMY): 16/4/82

ME LEFT BOTTOM: —

ME OUT OF WATER: —

ME OF LAST FIRE: 1746 20/4/82



DISTRIBUTION OF CURRENT METERS ☐ AND WATER LEVEL GAUGES ■ 1982.

TIDAL ANALYSIS INFORMATION SHEET

STATION NO: 8C-220101 — DG gauge 81-102-
LOCATION: JOHNSON POINT, BANKS ISLAND — Primary water level

PERIOD OF OPERATION: MARCH 5/82 TO APRIL 16/82
TIME ZONE: CST
GAUGE DATA: 1) Model - DG Instruments (Canada)
2) Range - m.
3) Calibration Coefficients -

Pressure -
-
-
-

internal memory, chip (no tape)

PROCESSING DATA:

1) Gauge Zero -
2) Gravity Correction -
3) Atmospheric Pressure -
4) Water Density -
5) Temperature -

PROCESSING PROBLEMS:

1) Aanderaa Translation - program PROCDG

2) Calibration -

3) Reformetting -

4) Water Levels -

5) Master Filing -


STRAIT
Cape Vesey Hamilton
Mahogany Point
MERCY BAY
Parker Point
Passage Point
Peel Point
ISLAND
PRINCE OF WALES STRAIT
PRINCE ALBERT PENINSULA
Johnson Point
JOHNSON POINT PRINCESS ROYAL ISLANDS
Stewart Point
BQ
CQ
DQ
EQ
FQ
BP
CP
DP
EP
FP
74°
C1
C7
Z23
numerous small lakes
tundra

NUMBER	NAME	STATION ZONE	LAT	LONG	ANALYSIS LENGTH	C.T.
37405	VICTORIA ISLAND, WEST	CST	7241 NORTH	11800 WEST	41 DAYS	382 MOYR

REFERENCE STATION - 5560

Z0 .502 (C.T. 382)

CONSTITUENT	AMPLITUDE	PHASE	CONSTITUENT	AMPLITUDE	PHASE
MM	.032	93.0	MSF	.021	316.9
Q1	.009	84.3	O1	.030	89.0
NO1	.005	35.8	P1	.011	1.8
K1	.031	5.7	J1	.003	18.5
MU2	.001	6.2	N2	.011	.1
M2	.077	38.9	L2	.002	41.4
S2	.050	122.3	K2	.014	115.7
MO3	.002	227.0	M3	.002	6.7
MK3	.003	334.3	SK3	.001	35.2
MN4	.002	231.9	M4	.007	251.0
SN4	.001	165.5	MS4	.002	30.8
S4	.001	328.3			
M6	.001	33.9	2MS6	.001	120.5
2SM6	.001	217.9			

AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
83	1.54	277	1.03	3	.04	.09	.48	.14

MEAN TIDES, TIMES AND HEIGHTS

242	.6	1516	.6	854	.4	2020	.4
HHW		LHW		HLW		LLW	

LARGE TIDES		RANGES	
.7	.3	.2	.4
HHW	LLW	MT	LT

HEIGHT VALUES ARE EXPRESSED IN METRES
DATE AND TIME OF THE COMPUTER RUN 82/09/08. - 08.48.37.

STATION 37405 PRELIMINARY RESULTS

	CONSTITUENT	FREQUENCY	C	ERR	S	ERR
1	Z0	0.000000000	.502	.001	0.000	.000
2	MM	.00151215	-.027	.002	.017	.002
3	MSF	.00282193	.001	.002	-.021	.002
4	ALP1	.03439657	.002	.002	-.000	.002
5	2Q1	.03570635	.000	.002	.000	.002
6	Q1	.03721850	.003	.002	-.008	.002
7	O1	.03873065	.028	.002	-.005	.002
8	NO1	.04026859	.001	.002	.002	.002
9	K1	.04178075	.011	.002	.017	.002
10	J1	.04329290	-.002	.002	.002	.002
11	OO1	.04483084	.000	.002	-.000	.002
12	UPS1	.04634299	.001	.002	.000	.002
13	EPS2	.07617732	.001	.002	-.001	.002
14	MU2	.07768947	.001	.002	.000	.002
15	N2	.07899925	-.002	.002	-.011	.002
16	M2	.08051140	.077	.002	-.008	.002
17	L2	.08202355	-.001	.002	-.001	.002
18	S2	.08333333	.052	.002	.034	.002
19	ETA2	.08507364	-.002	.002	.000	.002
20	MO3	.11924206	.000	.002	.002	.002
21	M3	.12076710	.001	.002	-.002	.002
22	MK3	.12229215	.003	.002	-.001	.002
23	SK3	.12511408	.001	.002	-.000	.002
24	MN4	.15951065	.000	.002	.002	.002
25	M4	.16102280	-.006	.002	.002	.002
26	SN4	.16233258	.001	.002	-.001	.002
27	MS4	.16384473	-.000	.002	-.002	.002
28	S4	.16666667	-.001	.002	.001	.002
29	2MK5	.20280355	.001	.002	-.001	.002
30	2SK5	.20844741	-.000	.002	.000	.002
31	2MN6	.24002205	-.000	.002	-.000	.002
32	M6	.24153420	-.000	.002	-.001	.002
33	2MS6	.24435613	.000	.002	-.000	.002
34	2SM6	.24717807	.001	.002	-.000	.002
35	3MK7	.28331495	.000	.002	.000	.002
36	M8	.32204560	.000	.002	.000	.002

NUMBER OF VALID DATA = 1004 AVERAGE = .51 STANDARD DEVIATION = .09

THEORETICAL RMS = .04 MATRIX CONDITION = .33

RMS OF THE RESIDUES= .04

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 37405 17H 5/ 3/82 TO 14H 16/ 4/82

NO.OBS.= 1006 NO.PTS.ANAL.= 1006 MIDPT=15H 26/ 3/82 SEPARATION =1.00

TIME ZONE= CST .LATITUDE=72D 41M LONGITUDE=118D 0M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G	AL	GL
1	Z0	0.000000000	382-	482	.5025	0.00	.5025	0.00
2	MM	.00151215	382-	482	.0321	92.96	.0321	148.17
3	MSF	.00282193	382-	482	.0212	316.87	.0212	274.05
4	ALP1	.03439657	382-	482	.0024	107.73	.0024	356.08
5	2Q1	.03570635	382-	482	.0004	299.53	.0005	88.37
6	Q1	.03721850	382-	482	.0085	84.25	.0085	289.16
7	O1	.03873065	382-	482	.0295	89.01	.0284	349.80
8	NO1	.04026859	382-	482	.0045	35.81	.0025	75.94
9	K1	.04178075	382-	482	.0212	7.85	.0206	57.93
10	J1	.04329290	382-	482	.0028	18.53	.0030	130.32
11	001	.04483084	382-	482	.0001	244.51	.0000	280.86
12	UPS1	.04634299	382-	482	.0010	279.31	.0009	7.20
13	EPS2	.07617732	382-	482	.0010	29.65	.0011	330.21
14	MU2	.07768947	382-	482	.0014	6.15	.0015	3.31
15	N2	.07899925	382-	482	.0108	.14	.0117	258.45
16	M2	.08051140	382-	482	.0768	38.94	.0778	353.84
17	L2	.08202355	382-	482	.0015	41.42	.0011	229.22
18	S2	.08333333	382-	482	.0625	122.95	.0624	32.83
19	ETA2	.08507364	382-	482	.0015	190.79	.0016	177.48
20	MO3	.11924206	382-	482	.0018	226.97	.0018	82.66
21	M3	.12076710	382-	482	.0020	6.68	.0021	298.92
22	MK3	.12229215	382-	482	.0031	334.28	.0031	339.26
23	SK3	.12511408	382-	482	.0008	35.22	.0008	355.18
24	MN4	.15951065	382-	482	.0017	231.87	.0019	85.08
25	M4	.16102280	382-	482	.0066	251.03	.0068	160.83
26	SN4	.16233258	382-	482	.0012	165.52	.0012	333.70
27	MS4	.16384473	382-	482	.0017	30.80	.0017	255.59
28	S4	.16666667	382-	482	.0013	328.33	.0013	148.09
29	2MK5	.29280355	382-	482	.0015	14.98	.0015	334.86
30	2SK5	.20844741	382-	482	.0005	268.34	.0005	138.17
31	2MN6	.24002205	382-	482	.0004	59.83	.0005	227.95
32	M6	.24153420	382-	482	.0014	33.85	.0015	258.56
33	2MS6	.24435613	382-	482	.0006	120.53	.0006	300.21
34	2SM6	.24717807	382-	482	.0007	217.85	.0007	352.51
35	3MK7	.28331495	382-	482	.0001	169.60	.0001	84.39
36	M8	.32204560	382-	482	.0001	194.44	.0001	14.05

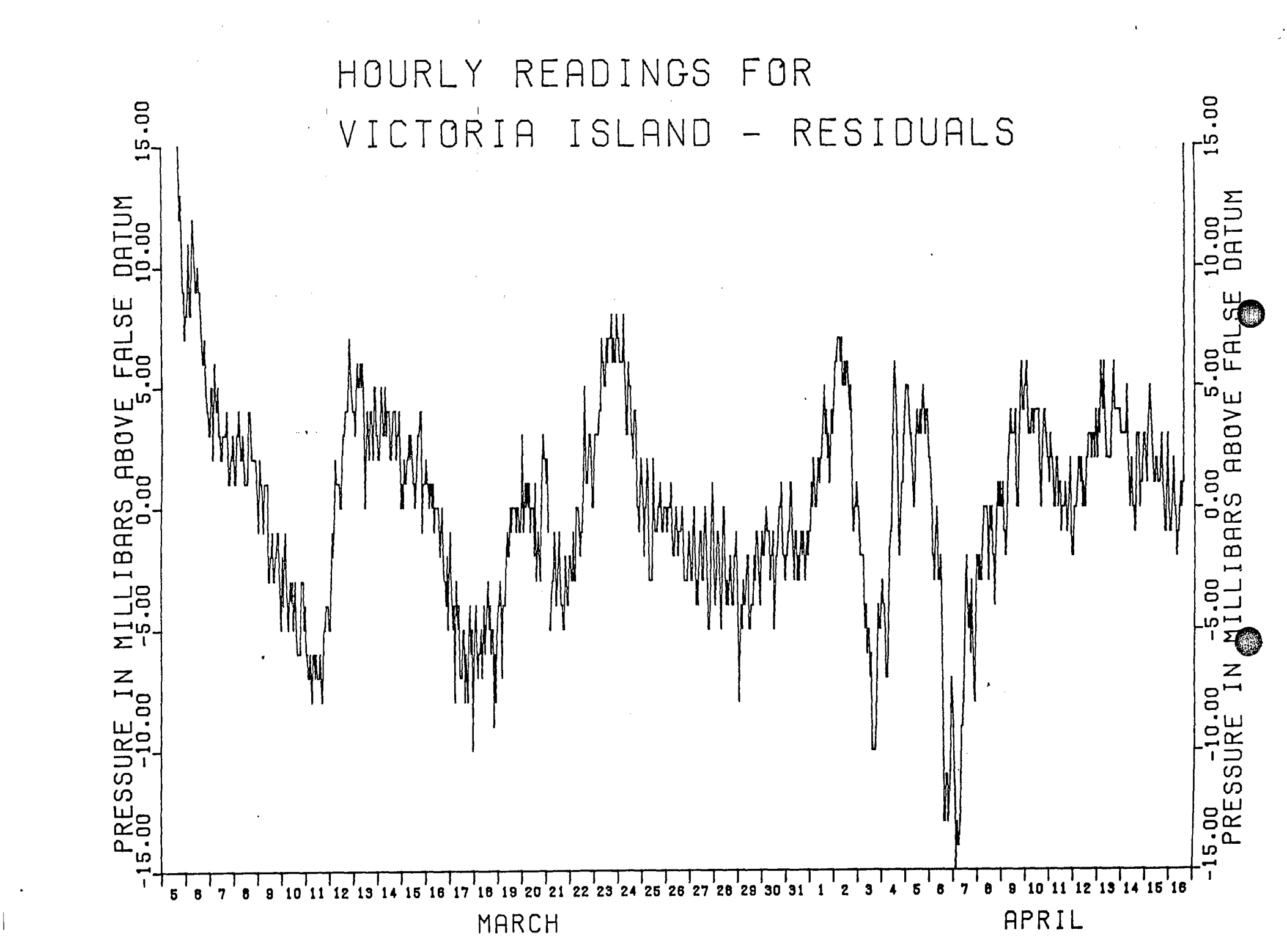
ANALYSIS OF HOURLY TIDAL HEIGHTS STN 37405 17H 5/ 3/82 TO 14H 16/ 4/82

NO.OBS.= 1006 NO.PTS.ANAL.= 1006 MIDPT=15H 26/ 3/82 SEPARATION =1.00

TIME ZONE= CST LATITUDE=72D 41M LONGITUDE=118D 0M REF. STATION= 5560

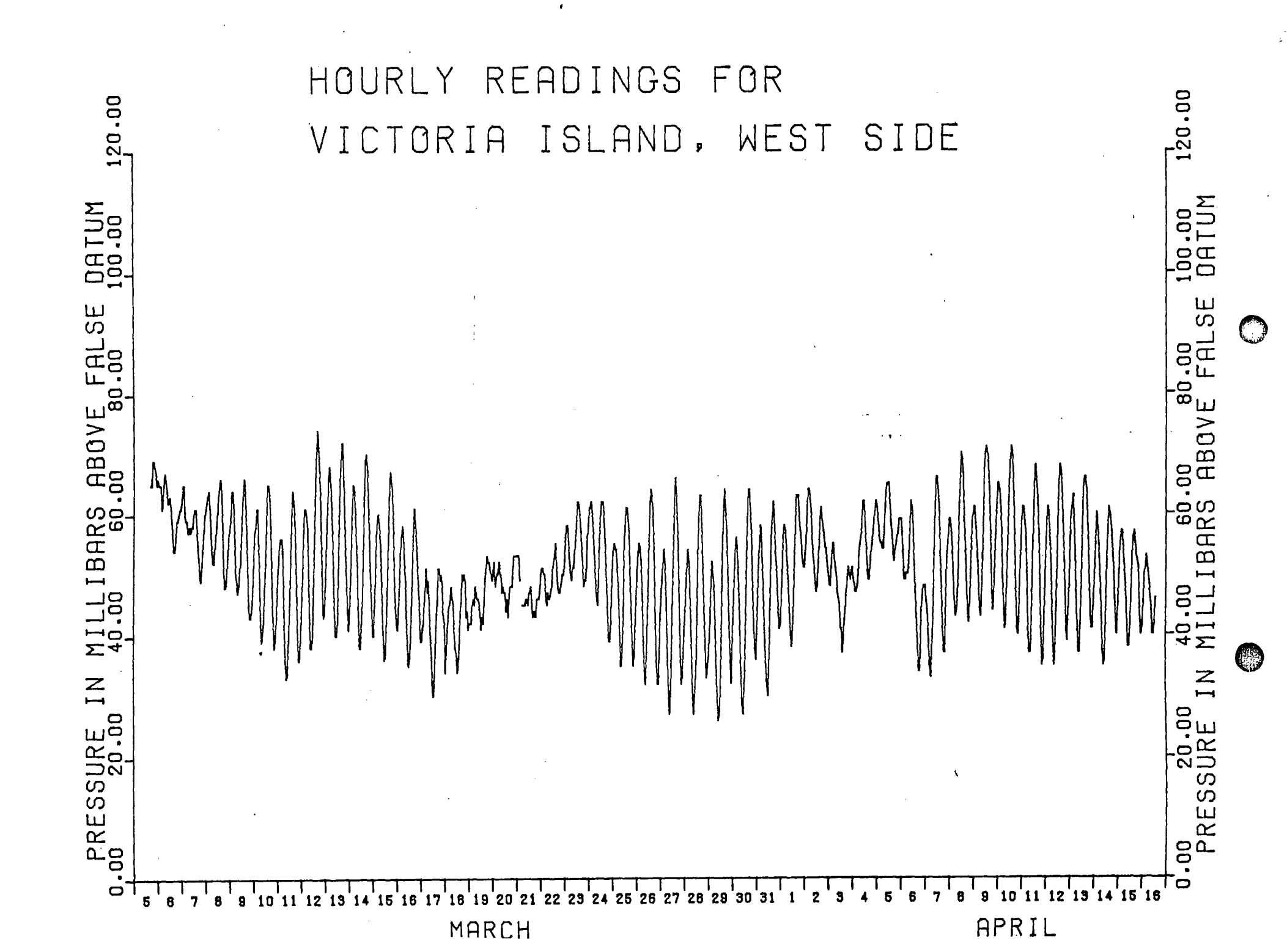
NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G		AL	GL
1	Z0	0.000000000	382-	482	.5025	0.00		.5025	0.00
2	MM	.00151215	382-	482	.0321	92.96		.0321	148.17
3	MSF	.00282193	382-	482	.0212	316.87		.0212	274.05
4	ALP1	.03439657	382-	482	.0024	107.73		.0024	356.08
5	2Q1	.03570635	382-	482	.0004	299.53		.0005	88.37
6	Q1	.03721850	382-	482	.0085	84.25		.0085	289.16
7	O1	.03873065	382-	482	.0295	89.01		.0284	349.80
8	NO1	.04026859	382-	482	.0045	35.81		.0025	75.94
9	P1	.04155259	382-	482	.0106	1.80	INF FR K1	.0106	231.19
10	K1	.04178075	382-	482	.0311	5.70		.0303	55.77
11	J1	.04329290	382-	482	.0028	18.53		.0030	130.32
12	001	.04483084	382-	482	.0001	244.51		.0000	280.86
13	UPS1	.04634299	382-	482	.0010	279.31		.0009	7.20
14	EPS2	.07617732	382-	482	.0010	29.65		.0011	330.21
15	MU2	.07768947	382-	482	.0014	6.15		.0015	3.31
16	N2	.07899925	382-	482	.0108	.14		.0117	258.45
17	M2	.08051140	382-	482	.0768	38.94		.0778	353.84
18	L2	.08202355	382-	482	.0015	41.42		.0011	229.22
19	S2	.08333333	382-	482	.0504	122.29		.0503	32.17
20	K2	.08356149	382-	482	.0144	115.69	INF FR S2	.0132	35.60
21	ETA2	.08507364	382-	482	.0015	190.79		.0016	177.48
22	MO3	.11924206	382-	482	.0018	226.97		.0018	82.66
23	M3	.12076710	382-	482	.0020	6.68		.0021	298.92
24	MK3	.12229215	382-	482	.0031	334.28		.0031	339.26
25	SK3	.12511408	382-	482	.0008	35.22		.0008	355.18
26	MN4	.15951065	382-	482	.0017	231.87		.0019	85.08
27	M4	.16102280	382-	482	.0066	251.03		.0068	160.83
28	SN4	.16233258	382-	482	.0012	165.52		.0012	333.70
29	MS4	.16384473	382-	482	.0017	30.80		.0017	255.59
30	S4	.16666667	382-	482	.0013	328.33		.0013	148.09
31	2MK5	.20280355	382-	482	.0015	14.98		.0015	334.86
32	2SK5	.20844741	382-	482	.0005	268.34		.0005	138.17
33	2MN6	.24002205	382-	482	.0004	59.83		.0005	227.95
34	M6	.24153420	382-	482	.0014	33.85		.0015	258.56
35	2MS6	.24435613	382-	482	.0006	120.53		.0006	300.21
36	2SN6	.24717807	382-	482	.0007	217.85		.0007	352.51
37	3MK7	.28331495	382-	482	.0001	169.60		.0001	84.39
38	M8	.32204560	382-	482	.0001	194.44		.0001	14.05

AFTER INFERENCE, RMS(RESID ERROR)= .04256


HOURLY READINGS FOR
VICTORIA ISLAND - RESIDUALS
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
15.00
10.00
5.00
0.00
-5.00
-10.00
-15.00
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
MARCH
APRIL

437405 VICTORIA ISLAND, WEST CST 72 41 118 0 1 X 41 382 N 5560

37405	502	0	CST	382	Z0	0
37405	30	890	CST	382	O1	1
37405	31	57	CST	382	K1	2
37405	77	389	CST	382	M2	3
37405	50	1223	CST	382	S2	4
37405	7	2510	CST	382	M4	5
37405	2	308	CST	382	MS4	6
37405	11	1	CST	382	N2	8
37405	32	930	CST	382	MM	10
37405	9	843	CST	382	Q1	12
37405	3	185	CST	382	J1	13
37405	0	2445	CST	382	OO1	14
37405	1	62	CST	382	MU2	15
37405	2	414	CST	382	L2	16
37405	5	358	CST	382	NO1	17
37405	2	2319	CST	382	MN4	18
37405	0	1944	CST	382	M8	19
37405	2	1077	CST	382	ALP1	21
37405	0	2995	CST	382	2Q1	22
37405	11	18	CST	382	P1	28
37405	1	2793	CST	382	UPS1	33
37405	1	297	CST	382	EPS2	35
37405	14	1157	CST	382	K2	44
37405	1	1908	CST	382	ETA2	45
37405	2	67	CST	382	M3	46
37405	2	2270	CST	382	MO3	50
37405	3	3343	CST	382	MK3	52
37405	1	352	CST	382	SK3	53
37405	1	1655	CST	382	SN4	54
37405	1	3283	CST	382	S4	56
37405	2	150	CST	382	2MK5	58
37405	0	2583	CST	382	2SK5	59
37405	0	598	CST	382	2MN6	60
37405	1	339	CST	382	M6	61
37405	1	1205	CST	382	2MS6	62
37405	1	2179	CST	382	2SM6	64
37405	0	1696	CST	382	3MK7	66
37405	21	3169	CST	382	MSF	68


HOURLY READINGS FOR
VICTORIA ISLAND, WEST SIDE
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
0.00
20.00
40.00
60.00
80.00
100.00
120.00
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
MARCH
APRIL

AANDERAA TIDE GAUGE

DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 374
0-270 m

TIME ZONE USED: CST

SAMPLING INTERVAL: 15

PREPARATION

INITIALIZATION DATE(DMY): 04/05/82

TIME RESET: 2127

FIRST FIRE: 2130

THREAD TAPE: 2135

FIRST READING ON TAPE: 2144

SECOND READING ON TAPE: 2200

DIGI-PRINTER READINGS:

TIME	2130	2145
READINGS	28	14 128
	1	1
	393	393
	936	933
TIME	2200	2215
READINGS	23	28
	1	1
	392	392
	911	1001

DEPLOYMENT

DEPLOYMENT DATE(DMY): 05/03/82

TIME IN WATER: 1634

TIME ON BOTTOM: 1638

LOCATION

LAT: 72°41'

LONG: 118° 00'

OTHER: West side Victoria Is. ESE of Johnson Pt.

RECOVERY

RECOVERY DATE(DMY): APR 16, 1982

TIME LEFT BOTTOM:

TIME OUT OF WATER: 1410 CST

TIME OF LAST FIRE: 1346 20/11-2.

GI-PRINTER READINGS:

TIME	1701	1716
READINGS	028	28
	150	150
	398	398
	919	917
TIME	1731	1746
READINGS	28	28
	150	150
	398	398
	914	916

MARKS AND OBSERVATIONS

TTERY CHECK:_____

CALIBRATION DATA FOR PAROSCIENTIFIC SENSOR 2129 DAY 17 12 81

RECORDER DATA: SERIAL 374
MODEL 5A FULL SCALE 270 METRES
CALIBRATION TEMPERATURE (DEG.C+-1) 0.0
PRESSURE SENSOR SERIAL 2129

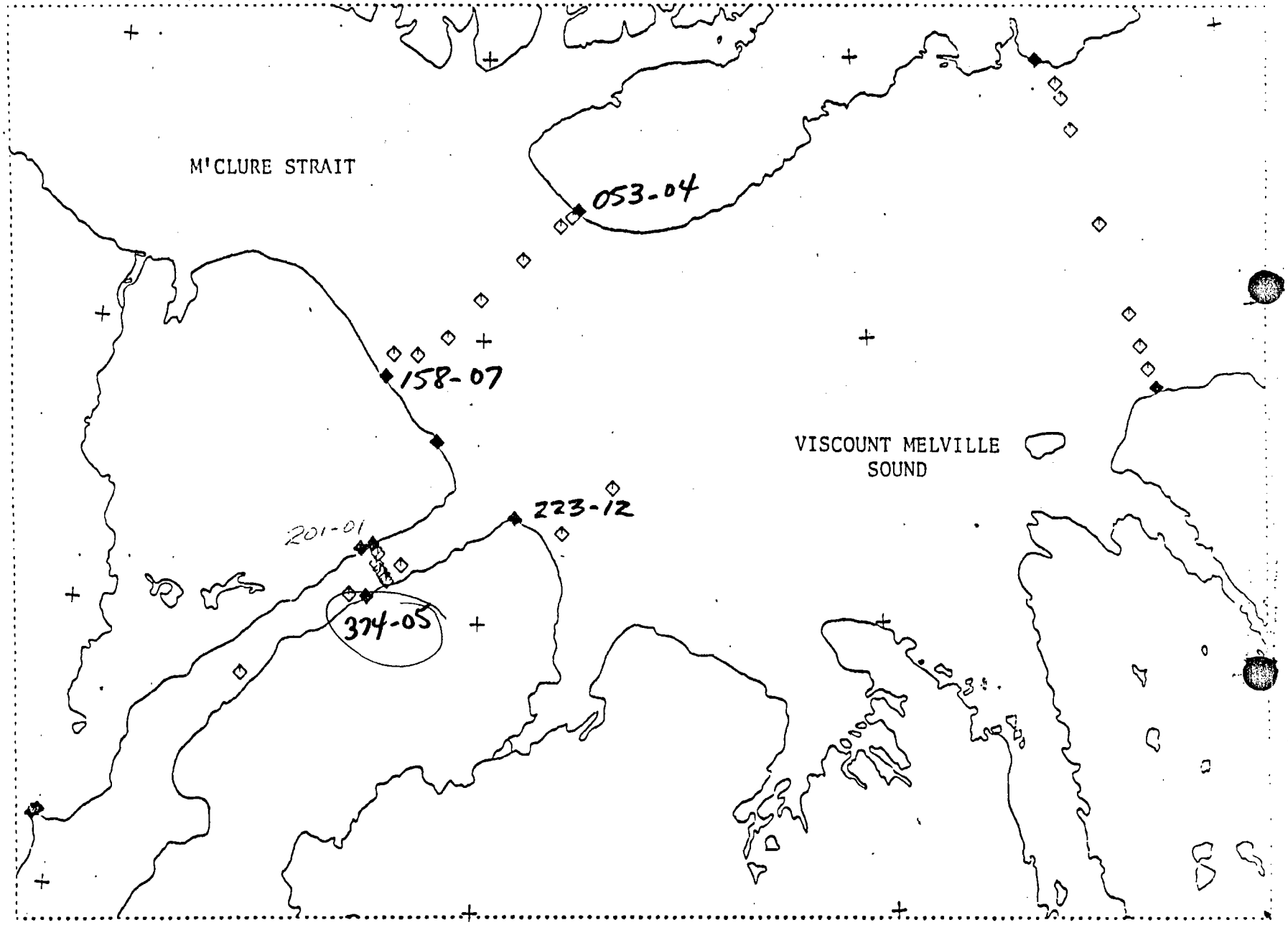
AMBIENT CONDITIONS: TEMPERATURE (DEG.C) 0.0
PRESSURE (MM OF HG.) 777.00
DEW POINT (DEG.C+-1) 7.

	CH.1	CH.2	PERIOD		PRESSURE		APPROXIMATION		DEVIATION
1	405.	326.	0.3560774D	7	0.2200849D	2	0.2200849D	2	0.00000
2	423.	2.	0.3578882D	7	0.4201808D	2	0.4202213D	2	0.00405
3	440.	970.	0.3597258D	7	0.6202538D	2	0.6202432D	2	-0.00106
4	459.	182.	0.3615926D	7	0.8203160D	2	0.8203346D	2	0.00186
5	477.	708.	0.3634884D	7	0.1020428D	3	0.1020393D	3	-0.00350
6	496.	530.	0.3654162D	7	0.1220498D	3	0.1220649D	3	0.01514
7	515.	646.	0.3673734D	7	0.1420590D	3	0.1420749D	3	0.01592
8	535.	49.	0.3693617D	7	0.1620663D	3	0.1620786D	3	0.01231
9	554.	767.	0.3713791D	7	0.1820727D	3	0.1820482D	3	-0.02453
10	574.	666.	0.3734370D	7	0.2020867D	3	0.2020867D	3	-0.00000
11	595.	281.	0.3755289D	7	0.2220944D	3	0.2221202D	3	0.02582
12	616.	26.	0.3776538D	7	0.2421038D	3	0.2421305D	3	0.02672
13	637.	124.	0.3798140D	7	0.2621109D	3	0.2621306D	3	0.01971
14	658.	596.	0.3820116D	7	0.2821174D	3	0.2821305D	3	0.01305
15	680.	437.	0.3842485D	7	0.3021215D	3	0.3021372D	3	0.01573
16	702.	666.	0.3865242D	7	0.3221288D	3	0.3221363D	3	0.00751
17	748.	218.	0.3911898D	7	0.3621454D	3	0.3620543D	3	-0.09114
18	771.	802.	0.3936034D	7	0.3821500D	3	0.3821507D	3	0.00072
19	795.	705.	0.3960513D	7	0.4021594D	3	0.4021594D	3	0.00000

PRESSURE = A*(1-X0/X) - B*(1-X0/X)**2
X = PERIOD AVERAGE*CH3*1024+CH4+3*1024**2 PRESSURE IN P.S.I.A.

X0 = 3541174.428 A = 4009.393 B = 1994.064

R.M.S. ERROR OF FIT =0.025



DISTRIBUTION OF CURRENT METERS ◻ AND WATER LEVEL GAUGES ■ 1982.

TIDAL ANALYSIS INFORMATION SHEET

STATION NO: 82-374-05
LOCATION: WEST SIDE VICTORIA ISLAND, ESE JOHNSON PT.

PERIOD OF OPERATION: MARCH 5/82 – APRIL 16/82
TIME ZONE: CST
GAUGE DATA: 1) Model - WLR 5
2) Range - 0-270 m.
3) Calibration Coefficients - 3 (PSI)

Pressure - X_0 - 3541174.428
- A - 4009.393
- B - 1994.064

PROCESSING DATA:

first data 2130 on 063
first good p? 0407 0387 064/1645
first bad p? 0398 0979 106/1711

1) Gauge Zero -
2) Gravity Correction -
3) Atmospheric Pressure -
4) Water Density -
5) Temperature -

PROCESSING PROBLEMS:

1) Aanderaa Translation - CCIW Translator
- ref bit missing - scan 1562 -
correction made

2) Calibration - - scans 104 - 3264 correction first pressure word
1199 & 3828
reads 439 instead of 409

3) Reformatting -

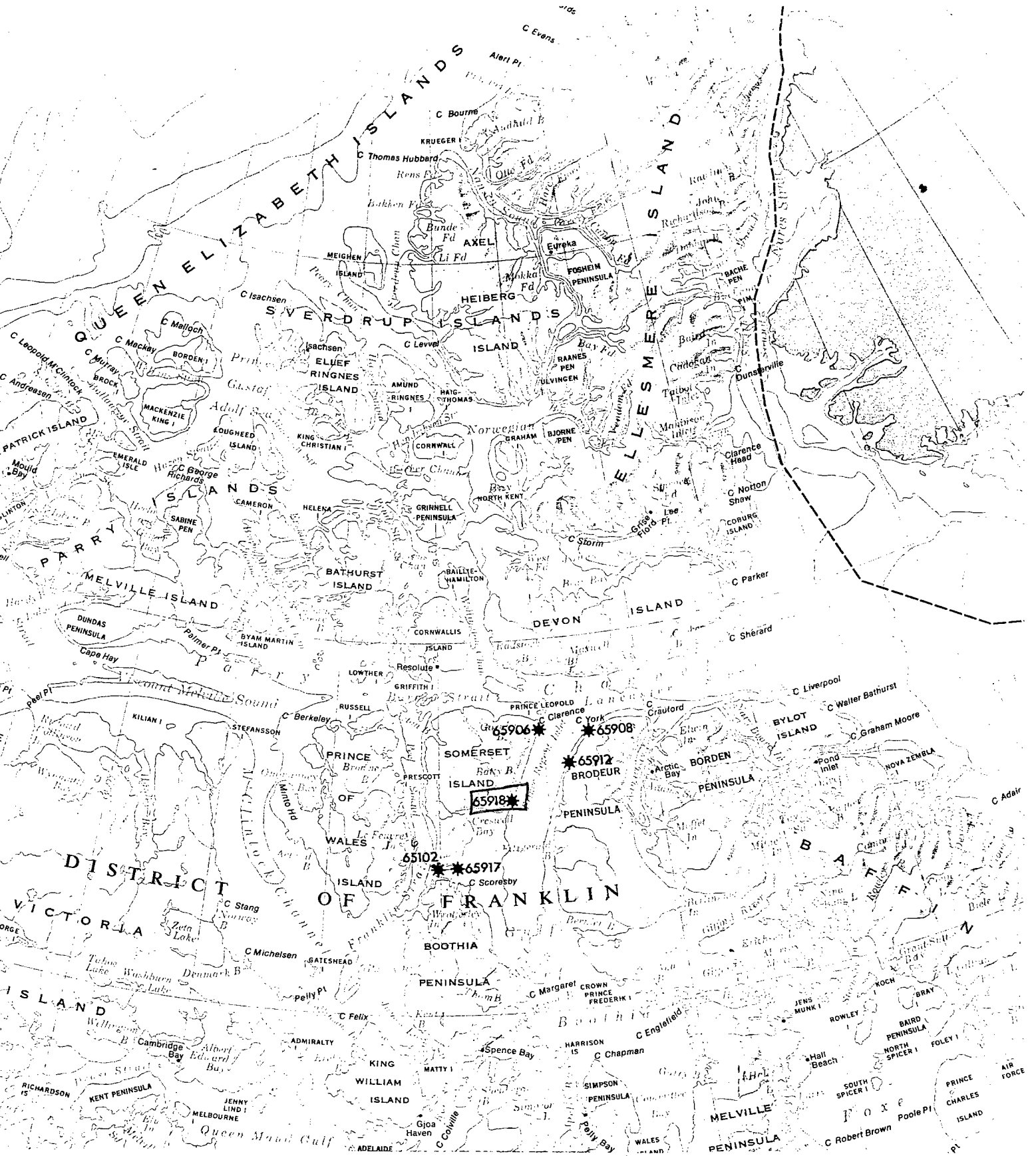
4) Water Levels -

5) Master Filing -

max 673.64 mB
min 624.11 mB
range 49.53 mB

83-0017

1983 Prince Regent Inlet Survey by Canadian Hydrographic Service; Information received from Rick Sandilands, Canadian Hydrographic Service, Burlington, Ontario.



1983 PRINCE REGENT INLET TIDAL SURVEY

Acendera (victoria) calibrations

DATE June 1983

TEMPORARY DEPLOYMENT WORK SHEET,
DATA SHEET AND PROCESSING SUMMARY
FOR 83-574-04 Bellot Strait.

1983 - 65917

UMMARY OF INFORMATION RECEIVED

NALOGUE RECORDS		COMPARISON FORM	
/4" MAGNETIC TAPE		DEPLOYMENT FORM	✓
PROM		CALIBRATION FORM	✓
EVELLING NOTES		502 FORM	
OCATION MAP	✓	B. M PHOTOGRAPHS	

ENERAL INFORMATION

OCATION Fort Ross, Somerset Is., East end Bellot Strait
ATITUDE 72° 01' N 00.5
ONGITUDE 94° 20' W
IME ZONE OF OBSERVATIONS CST
ERIOD OF RECORD: START(HHMM/DD/MM/YY) 1200/20/03/83 (079)
END (HHMM/DD/MM/YY) 1015/29/04/83 (119)
NO. OF DAYS OF DATA 40
NO. OF DAYS ANALYSED

RODUCTION HISTORY

DATE RECEIVED May 9/83
DATE PROCESSING COMPLETED
DATE CHECKING COMPLETED Nov 16/83
DATE SENT TO H.Q.
DATE SENT TO MEDS
DATE RETURNED FROM MEDS
DATE FILE COMPLETED

FORM 3

PROCESSING CHECKLIST FOR SUBMERSIBLE TIDE GAUGE
AT 83-594-01

Gauge data: Model WLR5 B Range 0-60 m

Sampling interval 15 min Integration time 56 second.

Calibration: Pressure: Date Jan 17/83 Units PSI

Coefficients a 899.327

b 468.282

t_o 3512755.221

Temperature : Date _____ Baseword _____

Coefficients _____

Processing data:

Translator CCIW (Type 2+3 Errors) many attempts with different resistors on word length between P+S on 18A

First data on Tape (time and day) 1845/078

First pressure words and time after deployment 527 516 (1200/079)

First pressure words & time after recovery 416 646 (1030/119)

Results: 1. Pressure - maximum 1961.31 mB minimum 1748.33 mB

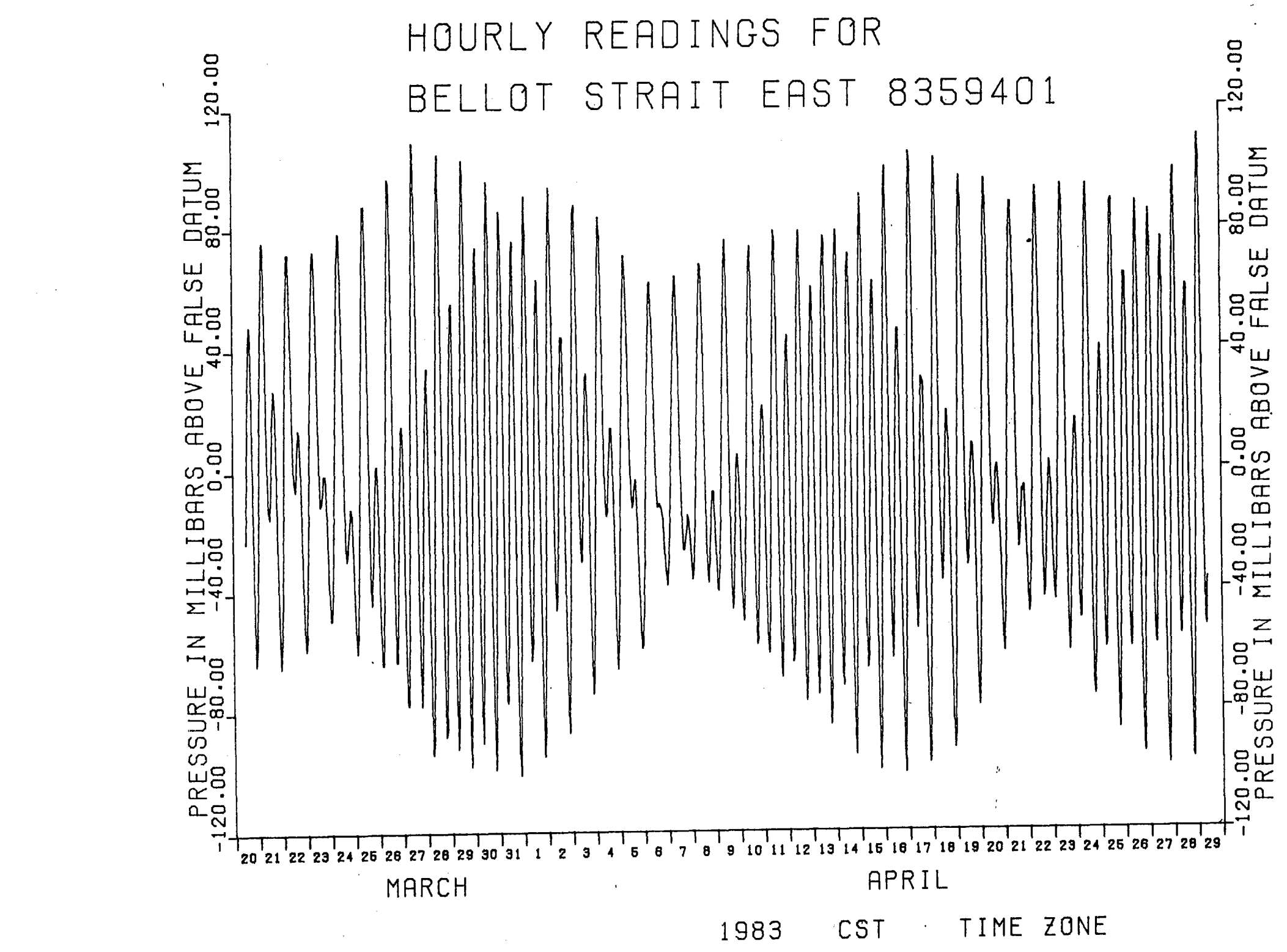
range 212.98 mB offset _____

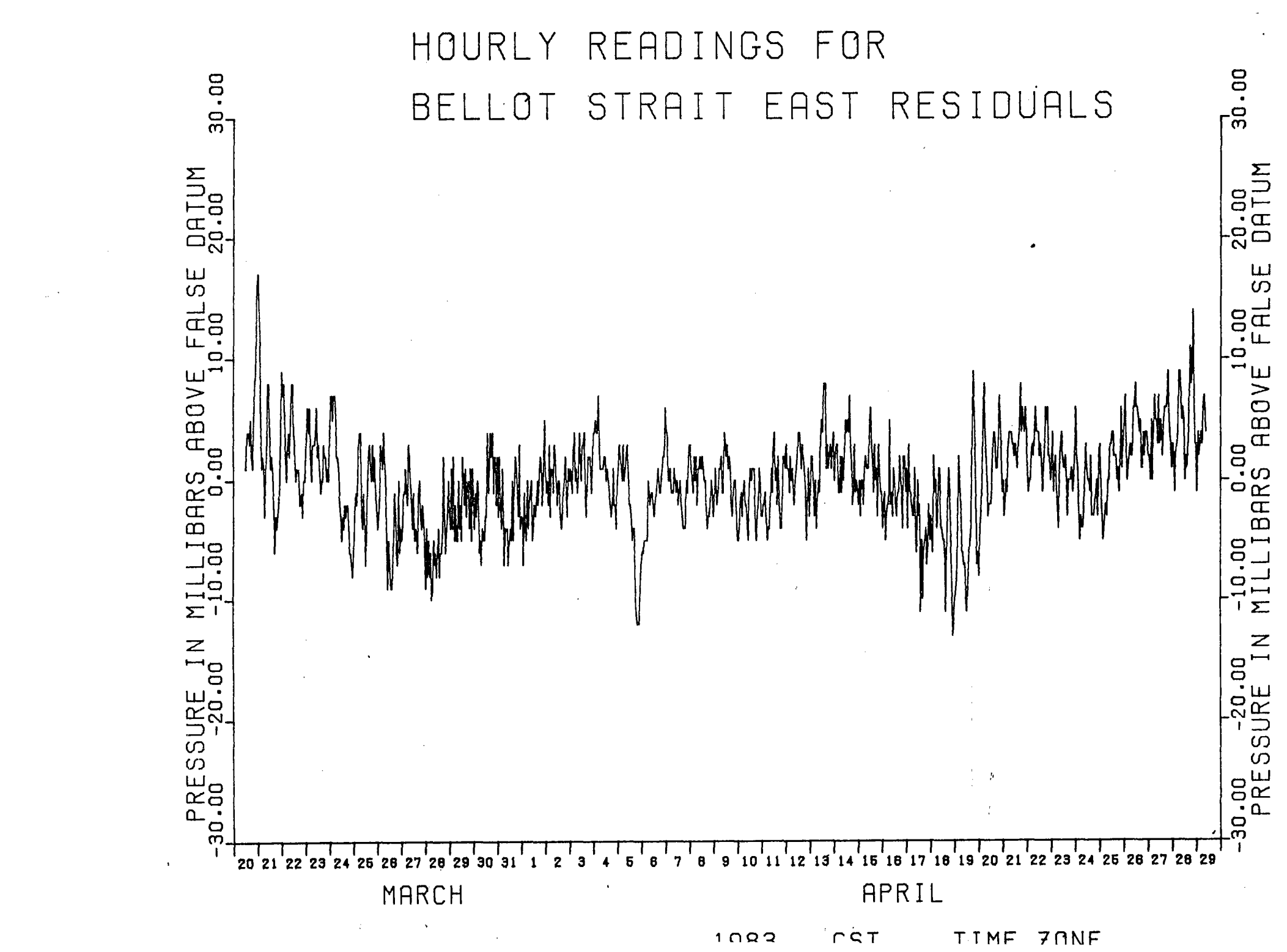
2. Plots data - hourly _____ residuals _____

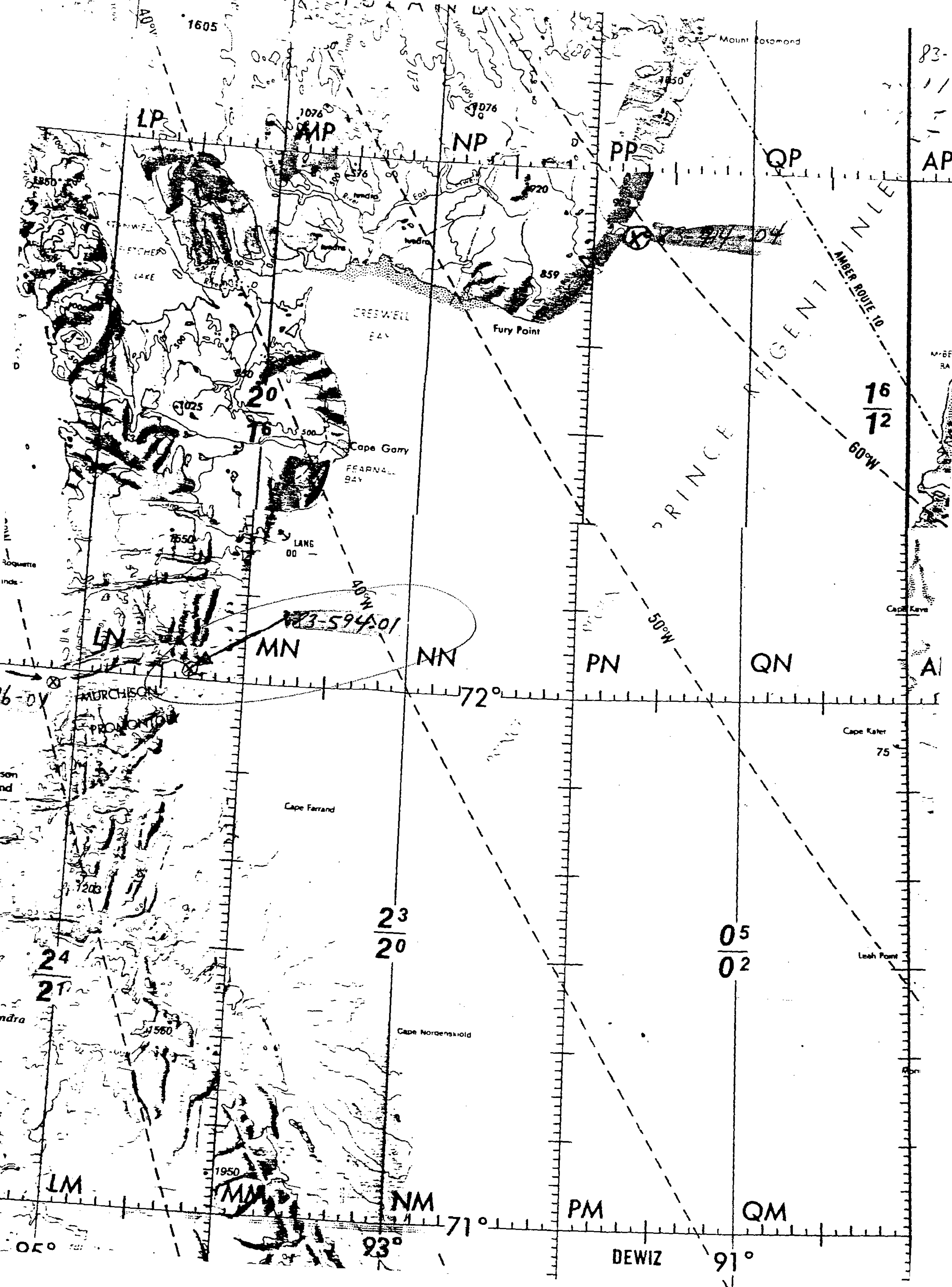
3. Processing problems

- required 400 OHM RESISTOR TO FINALLY WORK

4. Master Filing _____


HOURLY READINGS FOR
BELLOT STRAIT EAST 8359401
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
120.00
80.00
40.00
0.00
-40.00
-80.00
-120.00
20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
MARCH
APRIL
1983 CST TIME ZONE


HOURLY READINGS FOR
BELLOT STRAIT EAST RESIDUALS
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
30.00
20.00
10.00
0.00
-10.00
-20.00
-30.00
20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
MARCH
APRIL
1983 CST TIME ZONE



Mount Rosamond
1605
LP
MP
NP
PP
QP
AP
1076
1850
920
859
CRESWELL
BAY
Fury Point
Cape Garry
FEARNALL
BAY
LANG
1025
2⁰
1⁶
1650
PRINCE REGENT INLET
AMBER ROUTE 10
60°W
50°W
40°W
1⁶
1²
83-594-01
Cape Kaye
LN
MN
NN
PN
QN
72°
MURCHISON
PROMONTORY
Cape Kater
75
Cape Farrand
2³
2⁰
0⁵
0²
2⁴
2¹
Leah Point
Cape Nordenskiold
1560
1950
LM
MM
NM
PM
QM
71°
93°
DEWIZ
91°

AANDERAA TIDE GAUGE

DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 594

TIME ZONE USED: CST

SAMPLING INTERVAL: 15 min 56 sec

PREPARATION

INITIALIZATION DATE(DMY): 19/03/83

TIME RESET: 18:44:31

FIRST FIRE: 18:45:29

THREAD TAPE: 18:30

FIRST READING ON TAPE: 1845

SECOND READING ON TAPE: 1900

DIGI-PRINTER READINGS:

TIME	1845		TIME	1900	
READINGS	51		READINGS	51	
	1			1	
	415			415	
	832			841	
TIME	1915		TIME	1930	
READINGS	51		READINGS	51	
	1			1	
	415			415	
	815			813	

DEPLOYMENT

DEPLOYMENT DATE(DMY): 20/03/83

TIME IN WATER: 1150

TIME ON BOTTOM: 1152

LOCATION

LAT: _____

LONG: _____

OTHER: East end of Bellot Strait just west of Fort Ross.

RECOVERY

RECOVERY DATE(DMY): 29/4/83

TIME LEFT BOTTOM: 1021

TIME OUT OF WATER: 1022

TIME OF LAST FIRE: 1745 29/4/83

9/3/83
594

1845 CST

S: TIME 1700
READINGS 51
131
416
269

TIME 1730
READINGS 51
132
416
273

TIME 1715
READINGS 51
132
416
268

TIME 1745
READINGS 51
132
416
277

IONS

PARABOLIC FIT TO CALIBRATION DATA FOR PAROSCIENTIFIC SENSOR12858 DAY 17 1 83

(Sandspit, Victoria)

RECORDER DATA: SERIAL 594
MODEL 5A FULL SCALE 60 METRES
CALIBRATION TEMPERATURE (DEG.C+-1) 0.0
PRESSURE SENSOR SERIAL 12858

AMBIENT CONDITIONS: TEMPERATURE (DEG.C) 22.0
PRESSURE (MM OF HG.) 754.50
DEW POINT (DEG.C+-1) 7.

	CH.3	CH.4	PERIOD		PRESSURE		APPROXIMATION		DEVIATION
1	464.	458.	0.3621322D	7	0.2654082D	2	0.2654082D	2	0.00000
2	507.	51.	0.3664947D	7	0.3654206D	2	0.3653822D	2	-0.00384
3	551.	294.	0.3710246D	7	0.4654530D	2	0.4654304D	2	-0.00226
4	597.	229.	0.3757285D	7	0.5654872D	2	0.5654610D	2	-0.00262
5	644.	1018.	0.3806202D	7	0.6655197D	2	0.6655197D	2	-0.00000
6	694.	718.	0.3857102D	7	0.7655321D	2	0.7655604D	2	0.00283
7	746.	511.	0.3910143D	7	0.8655639D	2	0.8656186D	2	0.00547
8	800.	525.	0.3965453D	7	0.9655671D	2	0.9656461D	2	0.00789
9	856.	961.	0.4023233D	7	0.1065599D	3	0.1065699D	3	0.00998
10	915.	909.	0.4083597D	7	0.1165653D	3	0.1165653D	3	0.00000

PRESSURE = A*(1-X0/X) - B*(1-X0/X)**2
X = PERIOD AVERAGE=CH3*1024+CH4+3*1024**2 PRESSURE IN P.S.I.A.

X0 = 3512755.221 A = 899.327 B = 468.282

R.M.S. ERROR OF FIT =0.005

NUMBER	NAME	ZONE	LAT	LONG	ANALYSIS LENGTH	G.T.
65917	BELLOT STRAIT,EAST END	CST	7201 NORTH	9420 WEST	29 DAYS	+6?? HOYR

REFERENCE STATION - 5560

Z0 .003 (G.T. 4?3)

CONSTITUENT	AMPLITUDE	PHASE	CONSTITUENT	AMPLITUDE	PHASE
MM	.007	68.1	MSF	.029	189.5
2Q1	.008	87.2	G1	.016	168.9
O1	.189	191.0	NO1	.035	183.7
P1	.115	236.1	K1	.362	241.0
J1	.016	281.4	CO1	.015	232.5
MU2	.013	299.9	N2	.081	339.5
M2	.541	13.8	L2	.021	3.6
S2	.221	62.5	K2	.055	54.9
MO3	.003	151.1	M3	.006	165.4
MK3	.006	94.3	SK3	.005	265.4
MN4	.002	247.5	M4	.001	246.4
SN4	.001	261.6	S4	.002	215.7
2MN6	.001	178.7	M6	.004	168.9
2MS6	.004	204.6	2SM6	.001	161.8
M8	.002	70.9			

AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
49	2.45	50	1.92	214	.42	.59	.72	1.02

MEAN TIDES, TIMES AND HEIGHTS

1332	.98	25	.25	2014	-.46	631	-.84
HHW		LHW		HLW		LLW	

LARGE TIDES		RANGES	
1.29	-1.-8	1.82	2.77
HHW	LLW	MT	LT

AMPLITUDE VALUES ARE EXPRESSED IN DECIBARS
DATE AND TIME OF THE COMPUTER RUN 83/11/16. - 13.08.18.

NPUT DATA IOUT=, I.OPT, IOHK, NSTPR, PAYOPT ZOFF OBSFAC
6 3 0 0 1.000000 0.000000 0.000000

INFERENCE PAIRS

K1	.4178074620E-01	P1	.4155258710E-01	.31795	4.900000
S2	.8333333330E-01	K2	.8356143240E-01	.25131	7.600000

TATION 55917 PRELIMINARY RESULTS

	CONSTITUENT	FREQUENCY	C	ERR	S	ERR
1	Z0	0.000000000	.003	.002	0.000	.000
2	MM	.00151215	-.006	.002	-.004	.002
3	MSF	.00282193	.000	.002	-.029	.002
4	ALP1	.03439657	-.004	.002	.002	.002
5	2Q1	.03570635	.008	.002	.001	.002
6	Q1	.03721850	-.010	.003	-.014	.003
7	O1	.03873065	.145	.003	.129	.003
8	NO1	.04026859	-.004	.003	.021	.003
9	K1	.04178075	.234	.003	-.138	.003
10	J1	.04329290	-.018	.003	.005	.003
11	OO1	.04483084	.012	.003	.008	.003
12	UPS1	.04634299	-.002	.002	-.002	.002
13	EPS2	.07617732	-.003	.002	-.000	.002
14	MU2	.07768947	-.013	.002	.002	.002
15	N2	.07899925	-.073	.002	.044	.002
16	M2	.08051140	.444	.003	-.309	.003
17	L2	.08202355	.003	.002	-.015	.002
18	S2	.08333333	.010	.002	.269	.002
19	ETA2	.08507364	-.006	.002	-.007	.002
20	MO3	.11924206	.002	.002	-.002	.002
21	M3	.12076710	-.003	.003	.000	.003
22	MK3	.12229215	-.005	.002	.000	.002
23	SK3	.12511408	.005	.002	.003	.002
24	MN4	.15951065	.002	.002	.000	.002
25	M4	.16102280	-.001	.002	.001	.002
26	SN4	.16233258	-.000	.002	.001	.002
27	MS4	.16384473	-.000	.002	.000	.002
28	S4	.16666667	.000	.002	-.002	.002
29	2MK5	.20280355	-.003	.002	-.002	.002
30	2SK5	.20844741	.000	.002	-.002	.002
31	2MN6	.24002205	-.000	.002	-.001	.002
32	M6	.24153420	.004	.002	.001	.002
33	2MS6	.24435613	-.003	.002	.003	.002
34	2SM6	.24717807	-.001	.002	.000	.002
35	3MK7	.28331495	.002	.002	-.000	.002
36	M8	.32204560	-.001	.002	-.001	.002

NUMBER OF VALID DATA = 959 AVERAGE = .00 STANDARD DEVIATION = .50

THEORETICAL RMS = .05 MATRIX CONDITION = .32

RMS OF THE RESIDUES= .05230

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 55817 12H 23/ 3/83 TO 10H 29/ 4/8

NO.OBS.= 959 NO.PTS.ANAL.= 953 MIDPT=11H 9/ 4/83 SEPARATION =1.0

TIME ZONE= CST LATITUDE=72D 1M LONGITUDE= 94D 20M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G	AL	GL
1	Z0	0.00000000	383-	483	.0026	0.00	.0026	0.00
2	MM	.00151215	383-	483	.0067	68.08	.0067	213.83
3	MSF	.00282193	383-	483	.0295	189.54	.0295	270.19
4	ALP1	.03439657	383-	483	.0045	168.72	.0047	154.87
5	2Q1	.03570635	383-	483	.0076	87.17	.0084	7.96
6	Q1	.03721850	383-	483	.0159	168.85	.0169	234.54
7	O1	.03873065	383-	483	.1892	190.97	.1945	41.70
8	NO1	.04026859	383-	483	.0351	183.69	.0210	102.06
9	K1	.04178075	383-	483	.2672	232.84	.2717	329.46
10	J1	.04329290	383-	483	.0158	281.40	.0183	165.26
11	OO1	.04483084	383-	483	.0152	232.51	.0144	35.75
12	UPS1	.04634299	383-	483	.0022	266.65	.0024	219.98
13	EPS2	.07617732	383-	483	.0028	95.55	.0030	182.44
14	MU2	.07768947	383-	483	.0125	299.91	.0128	171.27
15	N2	.07899925	383-	483	.0809	339.48	.0871	146.54
16	M2	.08051140	383-	483	.5409	13.77	.5410	325.23
17	L2	.08202355	383-	483	.0210	3.65	.0149	281.75
18	S2	.08333333	383-	483	.2691	58.00	.2691	87.87
19	ETA2	.08507364	383-	483	.0057	51.40	.0072	214.43
20	MO3	.11924206	383-	483	.0030	151.05	.0031	313.25
21	M3	.12076710	383-	483	.0055	165.42	.0055	92.67
22	MK3	.12229215	383-	483	.0059	94.27	.0060	142.35
23	SK3	.12511408	383-	483	.0054	265.38	.0055	31.87
24	MN4	.15951065	383-	483	.0022	247.52	.0024	6.04
25	M4	.16102280	383-	483	.0011	246.43	.0011	149.35
26	SN4	.16233258	383-	483	.0010	261.63	.0010	98.56
27	MS4	.16384473	383-	483	.0001	189.35	.0001	170.68
28	S4	.16666667	383-	483	.0018	215.72	.0018	275.46
29	2MK5	.20280355	383-	483	.0048	268.34	.0048	267.88
30	2SK5	.20844741	383-	483	.0015	292.51	.0016	88.88
31	2MN6	.24002205	383-	483	.0008	178.70	.0009	248.67
32	M6	.24153420	383-	483	.0043	168.86	.0043	23.24
33	2MS6	.24435613	383-	483	.0043	204.56	.0043	137.35
34	2SM6	.24717807	383-	483	.0014	161.75	.0014	172.96
35	3MK7	.26331495	383-	483	.0016	40.65	.0017	351.65
36	M8	.32204560	383-	483	.0017	70.87	.0017	236.70

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 69917 12H 20/ 3/83 TO 10H 29/ 4/83

NO.OBS.= 959 NO.PTS.ANAL.= 959 MIDPT=11H 9/ 4/83 SEPARATION =1.00

TIME ZONE= CST LATITUDE=72D 1M LONGITUDE= 94D 20M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/ M-Y	A	G		AL	GL
1	ZO	0.00000000	383- 483	.0026	0.00		.0026	0.00
2	MM	.00151215	383- 483	.0067	68.08		.0067	213.83
3	MSF	.00282193	383- 483	.0295	189.54		.0295	270.19
4	ALP1	.03439657	383- 483	.0045	168.74		.0047	154.87
5	2Q1	.03570635	383- 483	.0076	87.17		.0084	7.96
6	Q1	.03721850	383- 483	.0159	168.85		.0169	234.54
7	O1	.03873065	383- 483	.1892	190.97		.1945	41.70
8	NO1	.04026859	383- 483	.0351	183.69		.0210	102.06
9	P1	.04155259	383- 483	.1151	236.06	INF FR K1	.1151	178.77
10	K1	.04178075	383- 483	.3619	240.96		.3680	337.58
11	J1	.04329290	383- 483	.0158	281.40		.0183	165.26
12	001	.04483084	383- 483	.0152	232.51		.0144	35.75
13	UPS1	.04634299	383- 483	.0022	266.65		.0024	215.98
14	EPS2	.07617732	383- 483	.0026	95.55		.0038	182.44
15	MU2	.07768947	383- 483	.0125	209.91		.0128	171.27
16	N2	.07899925	383- 483	.0809	339.46		.0871	146.54
17	M2	.08051140	383- 483	.5409	13.77		.5410	325.23
18	L2	.08202355	383- 483	.0210	3.65		.0149	281.75
19	S2	.08333333	383- 483	.2207	62.54		.2207	92.41
20	K2	.08356149	383- 483	.0555	54.94	INF FR S2	.0564	68.30
21	ETA2	.08507364	383- 483	.0057	51.48		.0072	214.43
22	MO3	.11924206	383- 483	.0030	151.05		.0031	313.25
23	M3	.12076710	383- 483	.0055	165.42		.0055	92.67
24	MK3	.12229215	383- 483	.0059	94.27		.0060	142.35
25	SK3	.12511408	383- 483	.0054	265.38		.0055	31.87
26	MN4	.15951065	383- 483	.0022	247.52		.0024	6.04
27	M4	.16102280	383- 483	.0011	246.43		.0011	149.35
28	SN4	.16233258	383- 483	.0010	261.63		.0010	98.56
29	MS4	.16384473	383- 483	.0001	189.35		.0001	170.68
30	S4	.16666667	383- 483	.0018	215.72		.0018	275.46
31	2MK5	.20280355	383- 483	.0048	268.34		.0048	267.88
32	2SK5	.20844741	383- 483	.0016	292.51		.0016	88.88
33	2MN6	.24002205	383- 483	.0008	178.70		.0009	248.67
34	M6	.24153420	383- 483	.0043	168.86		.0043	23.24
35	2MS6	.24435613	383- 483	.0043	204.56		.0043	137.35
36	2SM6	.24717807	383- 483	.0014	161.75		.0014	172.96
37	3MK7	.28331495	383- 483	.0016	40.65		.0017	351.65
38	M8	.32204560	383- 483	.0017	70.87		.0017	236.70

AFTER INFERENCE, RMS(RESID ERROR)= .04093

ONSTITUENT ALP1 IS NOT IN ICTAB TABLE
ONSTITUENT UPS1 IS NOT IN ICTAB TABLE
ONSTITUENT EPS2 IS NOT IN ICTAB TABLE
ONSTITUENT ETA2 IS NOT IN ICTAB TABLE
ONSTITUENT 2MK5 IS NOT IN ICTAB TABLE
ONSTITUENT 2SK5 IS NOT IN ICTAB TABLE
ONSTITUENT 3MK7 IS NOT IN ICTAB TABLE

DATE June 16 '83

TEMPORARY DEPLOYMENT WORK SHEET,
DATA SHEET AND PROCESSING SUMMARY
FOR 83-596-01 Bellot Strait.

1983 - 66102

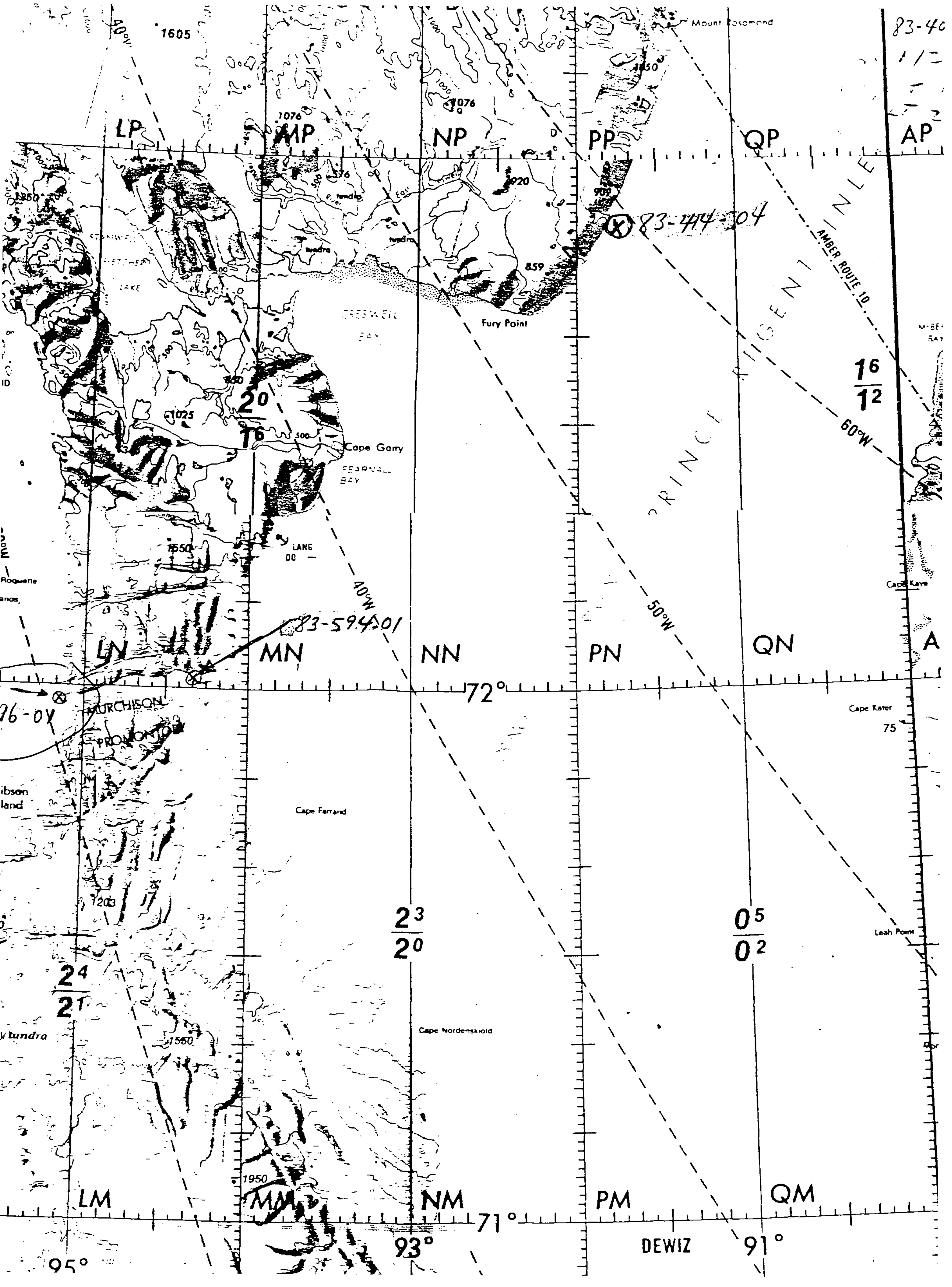
MMARY OF INFORMATION RECEIVED

ALOGUE RECORDS		COMPARISON FORM	
4" MAGNETIC TAPE	✓	DEPLOYMENT FORM	✓
ROM		CALIBRATION FORM	✓
VELLING NOTES		502 FORM	
CATION MAP	✓	B. M PHOTOGRAPHS	

NERAL INFORMATION

CATION West end of Bellot Strait, Somerset Island
TITUDE ~~95° 08' W~~ 71° 58.5 N
NGITUDE ~~71° 58' 5 N~~ 95° 08.2 W
ME ZONE OF OBSERVATIONS CST
RIOD OF RECORD: START(HHMM/DD/MM/YY) 1230/20/03/83 (079)
END (HHMM/DD/MM/YY) 1045/29/04/83 (119)
NO. OF DAYS OF DATA ~~40~~ 39
NO. OF DAYS ANALYSED 39

ODUCTION HISTORY
DATE RECEIVED May 9/83
DATE PROCESSING COMPLETED
DATE CHECKING COMPLETED Nov 11/83
DATE SENT TO H.Q.
DATE SENT TO MEDS
DATE RETURNED FROM MEDS
DATE FILE COMPLETED



Mount Rosamond
83-40
1605
1076
LP
MP
NP
PP
QP
AP
83-414-04
AMBER ROUTE 10
Fury Point
PRINCE REGENT INLET
1⁶/1²
60°W
Cape Garry
2⁰/1⁶
40°W
50°W
83-594-01
LN
MN
NN
PN
QN
72°
MURCHISON PROMONTORY
Cape Kater
Cape Farrand
2³/2⁰
0⁵/0²
Leah Point
2⁴/2¹
Cape Nordenskiold
LM
MM
NM
PM
QM
71°
93°
DEWIZ
91°
95°

FORM 3

PROCESSING CHECKLIST FOR SUBMERSIBLE TIDE GAUGE
AT 83-596-01

Gauge data: Model WLR5-A Range 0-60 m

Sampling interval 15 min Integration time 56 sec

Calibration: Pressure: Date Jan 17/83 Units PSI

Coefficients a 978.960

b 506.232

t_o 3519122.7344

Temperature : Date _____ Baseword _____

Coefficients _____

Processing data:

Translator CCIW - 2K resistor

First data on Tape (time and day) 1845/078

First pressure words and time after deployment 498 950 (1245/079)

First pressure words & time after recovery 418 162 (~~1100~~ ~~1045~~/119)

Results: 1. Pressure - maximum 1482.99 mb minimum 1400.88 mb

range 82.00 mb offset 1400

2. Plots data - hourly _____ residuals _____

3. Processing problems

4. Master Filing _____

AANDERAA TIDE GAUGE

DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 596

TIME ZONE USED: CST

SAMPLING INTERVAL: 15 min 56 sec.

PREPARATION

INITIALIZATION DATE(DMY): 19/03/83

TIME RESET: 18:44:31

FIRST FIRE: 18:45:29

THREAD TAPE: 18:30

FIRST READING ON TAPE: 1845

SECOND READING ON TAPE: 1900

DIGI-PRINTER READINGS:

TIME	1945	2000
READINGS	50	50
	1	1
	417	417
	268	274
TIME	2015	
READINGS	50	50
	1	1
	417	417
	297	303

DEPLOYMENT

DEPLOYMENT DATE(DMY): 20/3/83

TIME IN WATER: 1241

TIME ON BOTTOM: 1242

LOCATION

LAT:

LONG:

OTHER: West end of Bellot Strait Somerset Island.

RECOVERY

RECOVERY DATE(DMY): 29/4/83

TIME LEFT BOTTOM: 1057

TIME OUT OF WATER: 1058

TIME OF LAST FIRE: 1745 29/4/83

12/9/83
596

1945

S: TIME	1700	TIME 1715
READINGS	50	READINGS 50
	131	132
	417	417
	680	676
TIME	1730	TIME 1745
READINGS	50	READINGS 50
	132	132
	417	417
	677	680

2000

TIONS

2015

2030

CALIBRATION TEMPERATURE (DEG.C+-1) 0.0
PRESSURE SENSOR SERIAL12863

AMBIENT CONDITIONS: TEMPERATURE (DEG.C) 22.0
PRESSURE (MM OF HG.) 754.50
DEW POINT (DEG.C+-1) 7.

	CH.3	CH.4	PERIOD		PRESSURE		APPROXIMATION		DEVIATION
1	461.	852.	0.3618644D	7	0.2654082D	2	0.2654082D	2	0.00000
2	500.	690.	0.3658418D	7	0.3654206D	2	0.3654028D	2	-0.00178
3	540.	874.	0.3699562D	7	0.4654530D	2	0.4654274D	2	-0.00256
4	582.	456.	0.3742152D	7	0.5654872D	2	0.5654708D	2	-0.00164
5	625.	541.	0.3786269D	7	0.6655197D	2	0.6655197D	2	0.00000
6	670.	189.	0.3831997D	7	0.7655321D	2	0.7655526D	2	0.00205
7	716.	537.	0.3879449D	7	0.8655639D	2	0.8655942D	2	0.00303
8	764.	656.	0.3928720D	7	0.9655671D	2	0.9656112D	2	0.00441
9	814.	686.	0.3979950D	7	0.1065599D	3	0.1065642D	3	0.00428
10	866.	743.	0.4033255D	7	0.1165653D	3	0.1165653D	3	-0.00000

PRESSURE = A*(1-X0/X) - B*(1-X0/X)**2
X = PERIOD AVERAGE=CH3*1024+CH4+3*1024**2 PRESSURE IN P.S.I.A.

X0 = 3519122.734 A = 978.960 B = 506.232

R.M.S. ERROR OF FIT =0.003

STATION NUMBER	NAME	ZONE	LAT NORTH	LONG WEST	ANALYSIS LENGTH DAYS	G.M.T. 19YR
66102	BILLOT STRAIT.WEST END	CST	7105	9506	29	463

REFERENCE STATION - 5560

Z0 .095 (G.M.T. 463)

CONSTITUENT	AMPLITUDE	PHASE GMT	CONSTITUENT	AMPLITUDE	PHASE
MM	.001	126.0	MSF	.021	184.4
2Q1	.002	63.5	Q1	.011	140.2
O1	.071	189.5	NO1	.015	212.8
P1	.032	271.7	K1	.101	276.6
J1	.006	338.1	OO1	.002	29.1
MU2	.005	293.8	N2	.023	231.6
NU2	.176	270.1 84	L2	.015	271.3
S2	.057	333.8	K2	.022	326.2
MO3	.008	33.0	M3	.001	242.2
MK3	.002	239.9	SK3	.003	64.7
MN4	.001	107.3	M4	.002	108.2
SN4	.001	77.9	MS4	.003	180.4
2MN6	.001	270.1	M6	.003	313.6
2MS6	.004	358.1	2SM6	.002	57.6
M8	.001	248.4			

AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
64	2.02	67	1.42	104	.13	.20	.64	.33

MEAN TIDES, TIMES AND HEIGHTS

2142	.21	1026	.20	1604	-.06	400	-.33
HHW		LHW		HLW		LLW	

LARGE TIDES		RANGES	
.37	-.39	.54	.36
HHW	LLW	MT	LT

AMPLITUDE VALUES ARE EXPRESSED IN DECIBARS
DATE AND TIME OF THE COMPUTER RUN 83/11/16. - 13.02.30.

NPUT DATA	IOUT1, I.OPR.	IOK,NST-F.	FAYCPT	ZERR	OBSFAC
	6 3	0 0	1.00000	0.00000	0.00000

INFERENCE PAIRS

K1	.4178074620E-01	P1	.4155[illegible]87105E-01	.31795	4.90310
S2	.8333333330E-01	K2	.8356149240E-01	.25131	7.60000

;TATION 66102 PRELIMINARY RESULTS

	;ONSTITUENT	FREQUENCY	C	ERR	S	ERR
1	Z0	0.000000000	.005	.001	0.000	.000
2	MM	.001512155	[illegible]	[illegible]	-.0001	.0002
3	MSF	.002821935	[illegible]	[illegible]	-.0021	.0002
4	ALP1	.034396575	-.0002	.0002	-.0001	.0002
5	2Q1	.035706355	-.0002	.0002	-.0001	.0002
6	Q1	.037218500	-.0011	.0002	-.0005	.0002
7	O1	.038730065	.0556	.0002	.0447	.0002
8	NC1	.040268595	-.0006	.0002	.0007	.0002
9	K1	.041780755	.0776	.0002	.0007	.0002
10	J1	.043292900	-.0005	.0002	-.0005	.0002
11	OC1	.044830844	-.0002	.0002	-.0005	.0002
12	UPS1	.046342299	[illegible]	.0002	.0011	.0002
13	EPS2	.076177332	[illegible]	.0002	.0011	.0002
14	MU2	.077688947	-.0005	.0002	.0011	.0002
15	N2	.078999925	[illegible]	.0002	.0135	.0002
16	M2	.080511140	[illegible]	.0002	.1177	.0002
17	L2	.082022355	[illegible]	.0002	-.0022	.0002
18	S2	.083333333	[illegible]	.0002	-.0002	.0002
19	ETA2	.085073645	-.0002	.0002	-.0001	.0002
20	MO3	.111924206	-.0006	.0002	-.0002	.0002
21	M3	.113436421	[illegible]	.0002	[illegible]	.0002
22	MK3	.114229215	-.0001	.0002	-.0002	.0002
23	SK3	.115114430	[illegible]	.0002	-.0001	.0002
24	MN4	.115955106	[illegible]	.0002	-.0001	.0002
25	M4	.116766282	[illegible]	.0002	[illegible]	.0002
26	SN4	.116623258	[illegible]	.0002	-.0011	.0002
27	MS4	.118135473	-.0003	.0002	-.0011	.0002
28	S4	.116666667	[illegible]	.0002	-.0000	.0002
29	2MK5	.202803555	-.0011	.0002	-.0011	.0002
30	2SK5	.208447411	-.0011	.0002	-.0011	.0002
31	2MN6	.240022011	-.0001	.0002	-.0000	.0002
32	M6	.241533422	-.0003	.0002	-.0001	.0002
33	2MS6	.244356613	.0001	.0002	-.0004	.0002
34	2SM6	.247178807	[illegible]	.0002	.0002	.0002
35	3MK7	.283311495	-.0006	.0002	-.0000	.0002
36	M8	.322044560	.0001	.0002	.0001	.0002

NUMBER OF VALID DATA = 957 AVERAGE = .00 STANDARD DEVIATION = .17

THEORETICAL RMS = .04 MATRIX CONDITION = .32

RMS OF THE RESIDUES= .04175

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 66102 13H 20/ 3/83 TO 9H 29/ 4/83

NO.OBS.= 957 NO.PTS.ANAL.= 957 MIDPT=11H 9/ 4/83 SEPARATION =1.00

TIME ZONE= CST LATITUDE=710 58M LONGITUDE= 950 3M REF. STATION= 9560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G	AL	GL
1	Z0	0.000000000	383-	483	.0052	0.00	.0052	0.00
2	MM	.001512215	383-	483	.0014	126.03	.0014	271.78
3	MSF	.002821933	383-	483	.0207	184.35	.0207	265.00
4	ALP1	.034396571	383-	483	.0022	158.57	.0023	144.71
5	2Q1	.035706351	383-	483	.0023	63.47	.0026	344.27
6	Q1	.037218509	383-	483	.0115	140.15	.0122	205.84
7	O1	.038730659	383-	483	.0712	189.53	.0732	40.27
8	NO1	.040268599	383-	483	.0152	212.83	.0091	131.21
9	K1	.041780753	383-	483	.0747	268.47	.0760	5.10
10	J1	.043292907	383-	483	.0060	338.13	.0069	224.99
11	001	.044806084	383-	483	.0016	29.13	.0015	192.37
12	UPS1	.046342999	383-	483	.0019	81.38	.0011	34.71
13	EPS2	.077617732	383-	483	.0014	344.48	.0015	71.36
14	MU2	.077689475	383-	483	.0045	293.80	.0047	165.16
15	N2	.078999925	383-	483	.0226	231.63	.0246	38.68
16	M2	.080511400	383-	483	.1763	270.10	.1763	221.56
17	L2	.082023555	383-	483	.0145	271.35	.0153	168.74
18	S2	.083333333	383-	483	.1062	329.23	.1063	355.10
19	ETA2	.085073364	383-	483	.0018	34.41	.0023	7.46
20	MO3	.119242066	383-	483	.0077	33.03	.0080	11.23
21	M3	.120767710	383-	483	.0014	242.26	.0014	167.46
22	MK3	.122292154	383-	483	.0019	239.51	.0019	267.59
23	SK3	.125114508	383-	483	.0034	67.75	.0035	21.99
24	MN4	.159510065	383-	483	.0012	107.03	.0013	22.85
25	M4	.161022800	383-	483	.0025	108.17	.0026	111.09
26	SN4	.162533256	383-	483	.0012	77.95	.0014	27.88
27	MS4	.163844473	383-	483	.0031	160.38	.0031	116.69
28	S4	.166666667	383-	483	.0002	232.06	.0002	29.80
29	MK5	.217728559	383-	483	.0014	152.97	.0014	115.51
30	SK5	.219240741	383-	483	.0009	76.47	.0009	23.44
31	M6	.241553422	383-	483	.0011	27.06	.0012	3.07
32	2MS6	.243065613	383-	483	.0027	313.62	.0027	160.30
33	2SM6	.244577807	383-	483	.0038	358.06	.0038	296.35
34	2SK7	.267331495	383-	483	.0017	57.61	.0017	62.81
35	M8	.322045600	383-	483	.0003	255.74	.0003	206.74
36	M8	.322045600	383-	483	.0012	248.40	.0012	54.23

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 66102 13H 20/ 3/83 TO 9H 29/ 4/8

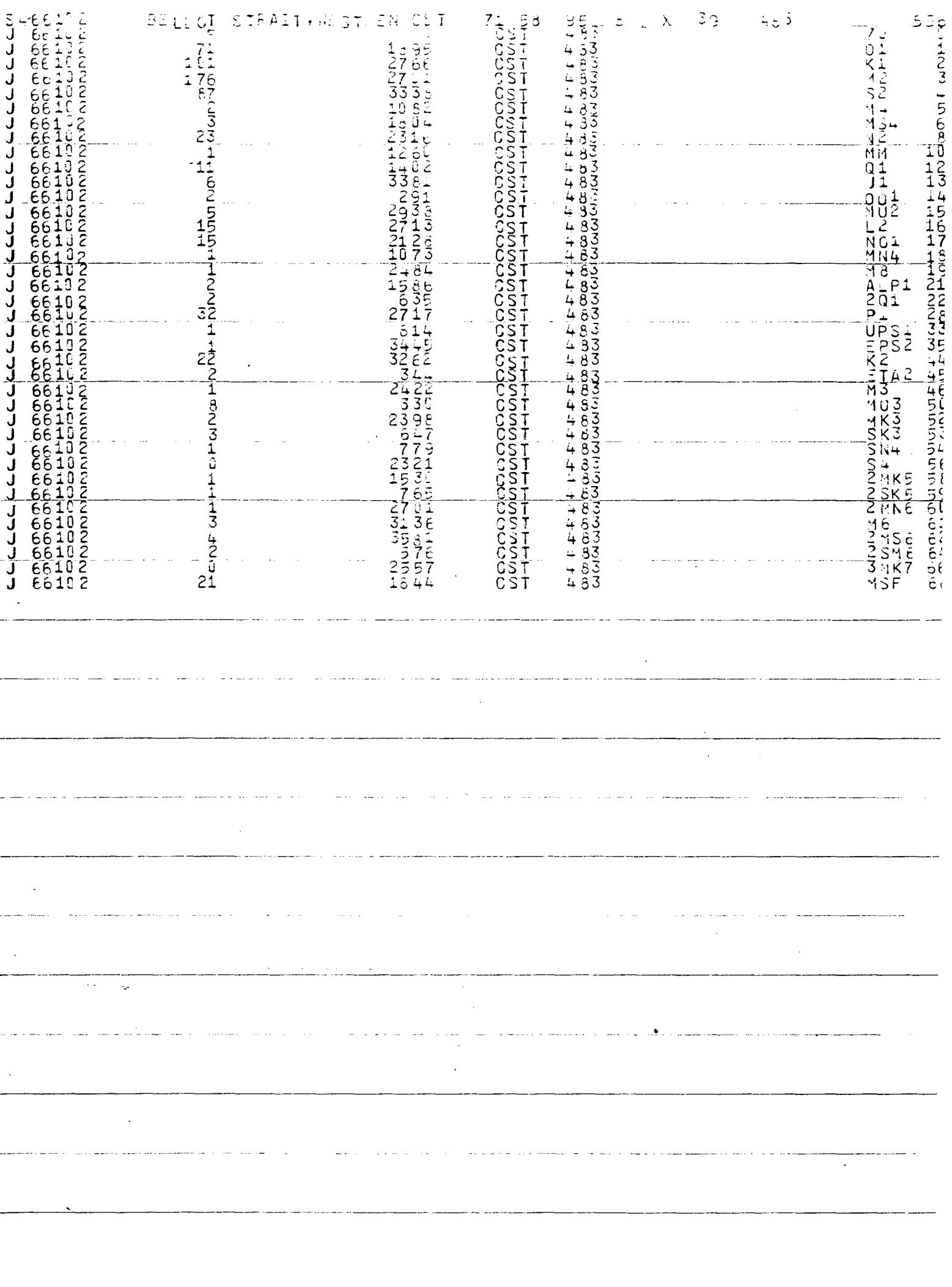
NO.OBS.= 957 NO.PTS.ANAL.= 957 MIDPT=11H 9/ 4/83 SEPARATION =1.0

TIME ZONE= CST LATITUDE=71D 58M LONGITUDE= 95D 0M REF. STATION= 5560

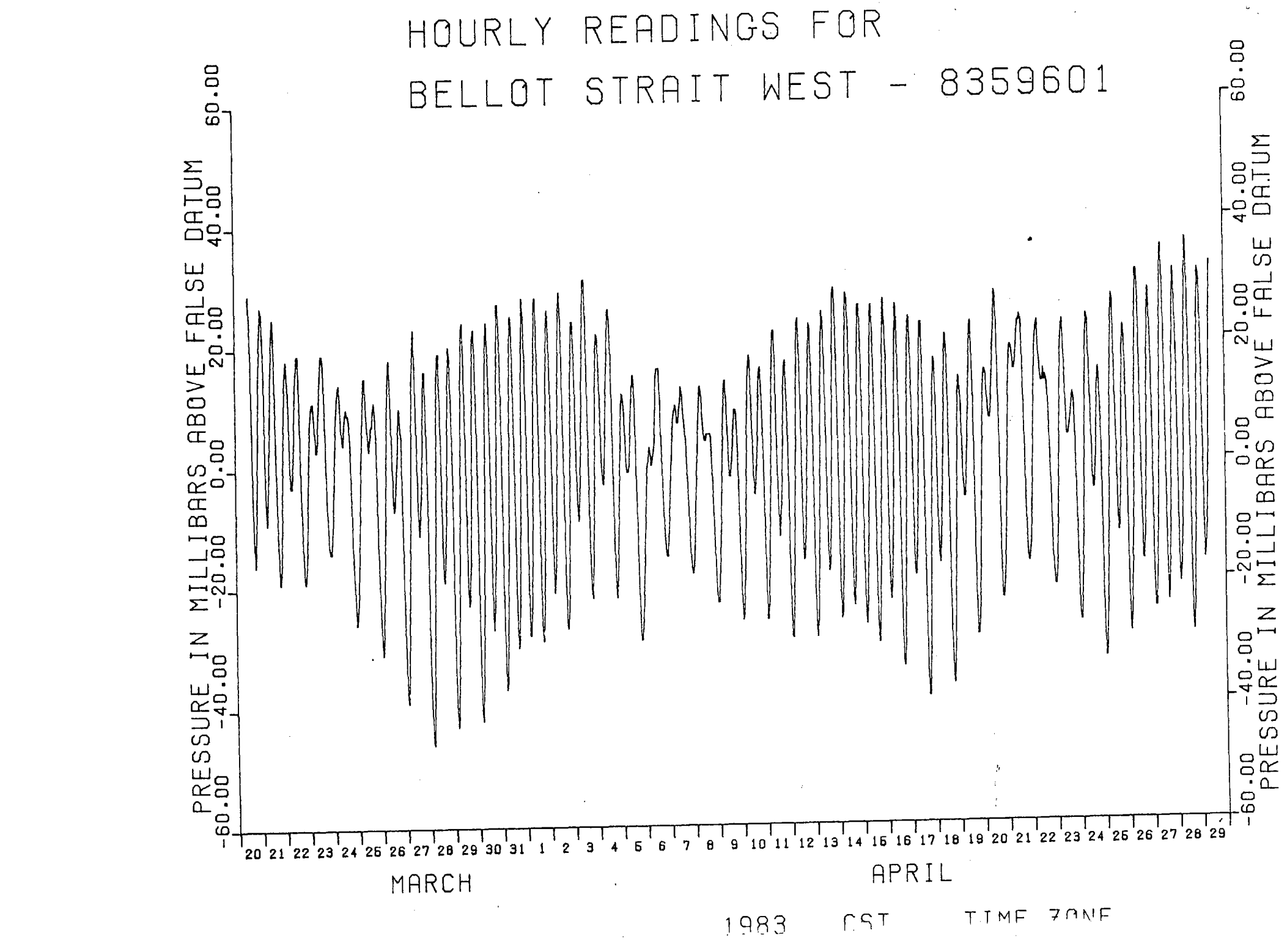
NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G		AL	GL
1	Z0	0.00000000	3/83-	4/83	.0052	0.00		.0052	0.00
2	MM	.00151215	3/83-	4/83	.0014	126.03		.0014	271.78
3	MSF	.00282193	3/83-	4/83	.0207	184.35		.0207	265.30
4	ALP1	.03439657	3/83-	4/83	.0022	158.57		.0023	144.71
5	2Q1	.03570635	3/83-	4/83	.0023	63.47		.0026	344.27
6	Q1	.03721850	3/83-	4/83	.0115	140.15		.0122	205.84
7	O1	.03873065	3/83-	4/83	.0712	189.53		.0732	346.27
8	NO1	.04026859	3/83-	4/83	.0152	212.83		.0091	311.21
9	P1	.04155259	3/83-	4/83	.0322	271.70	INF FR K1	.0322	214.41
10	K1	.04178075	3/83-	4/83	.1042	276.60		.1029	13.22
11	J1	.04329290	3/83-	4/83	.0060	338.13		.0068	221.99
12	OO1	.04463984	3/83-	4/83	.0016	29.13		.0015	192.37
13	UPS1	.04634299	3/83-	4/83	.0010	81.38		.0011	64.71
14	EPS2	.07617732	3/83-	4/83	.0014	341.48		.0019	71.36
15	MU2	.07768947	3/83-	4/83	.0045	293.80		.0047	165.16
16	N2	.07899925	3/83-	4/83	.0223	231.63		.0246	38.68
17	M2	.08051144	3/83-	4/83	.1763	270.10		.1766	221.56
18	L2	.08202355	3/83-	4/83	.0145	271.35		.0103	19.47
19	S2	.08333333	3/83-	4/83	.0871	333.77		.0872	69.44
20	K2	.08356149	3/83-	4/83	.0219	326.17	INF FR S2	.0223	339.53
21	ETA2	.08507364	3/83-	4/83	.0016	34.41		.0025	197.44
22	MO3	.11824206	3/83-	4/83	.0077	33.03		.0080	169.23
23	M3	.12076710	3/83-	4/83	.0114	242.20		.0114	166.46
24	MK3	.12229215	3/83-	4/83	.0119	239.81		.0119	287.89
25	SK3	.12511405	3/83-	4/83	.0034	64.70		.0035	159.19
26	MN4	.15995106	3/83-	4/83	.0012	107.33		.0013	225.85
27	M4	.16010280	3/83-	4/83	.0025	108.17		.0025	114.09
28	SN4	.16233258	3/83-	4/83	.0012	77.95		.0013	274.88
29	MS4	.16438473	3/83-	4/83	.0031	180.36		.0031	101.60
30	S4	.16666667	3/83-	4/83	.0002	232.06		.0002	291.80
31	2MK5	.20280355	3/83-	4/83	.0014	152.97		.0014	152.51
32	2SK5	.20844741	3/83-	4/83	.0009	76.47		.0009	232.94
33	2MN6	.24000226	3/83-	4/83	.0011	270.09		.0012	340.07
34	M6	.24153422	3/83-	4/83	.0027	313.82		.0027	166.00
35	2MS6	.24435613	3/83-	4/83	.0038	358.06		.0038	290.35
36	2SM6	.24717807	3/83-	4/83	.0017	57.61		.0017	63.31
37	3MK7	.28331495	3/83-	4/83	.0003	255.75		.0003	206.77
38	M8	.32204560	3/83-	4/83	.0012	248.40		.0012	54.23

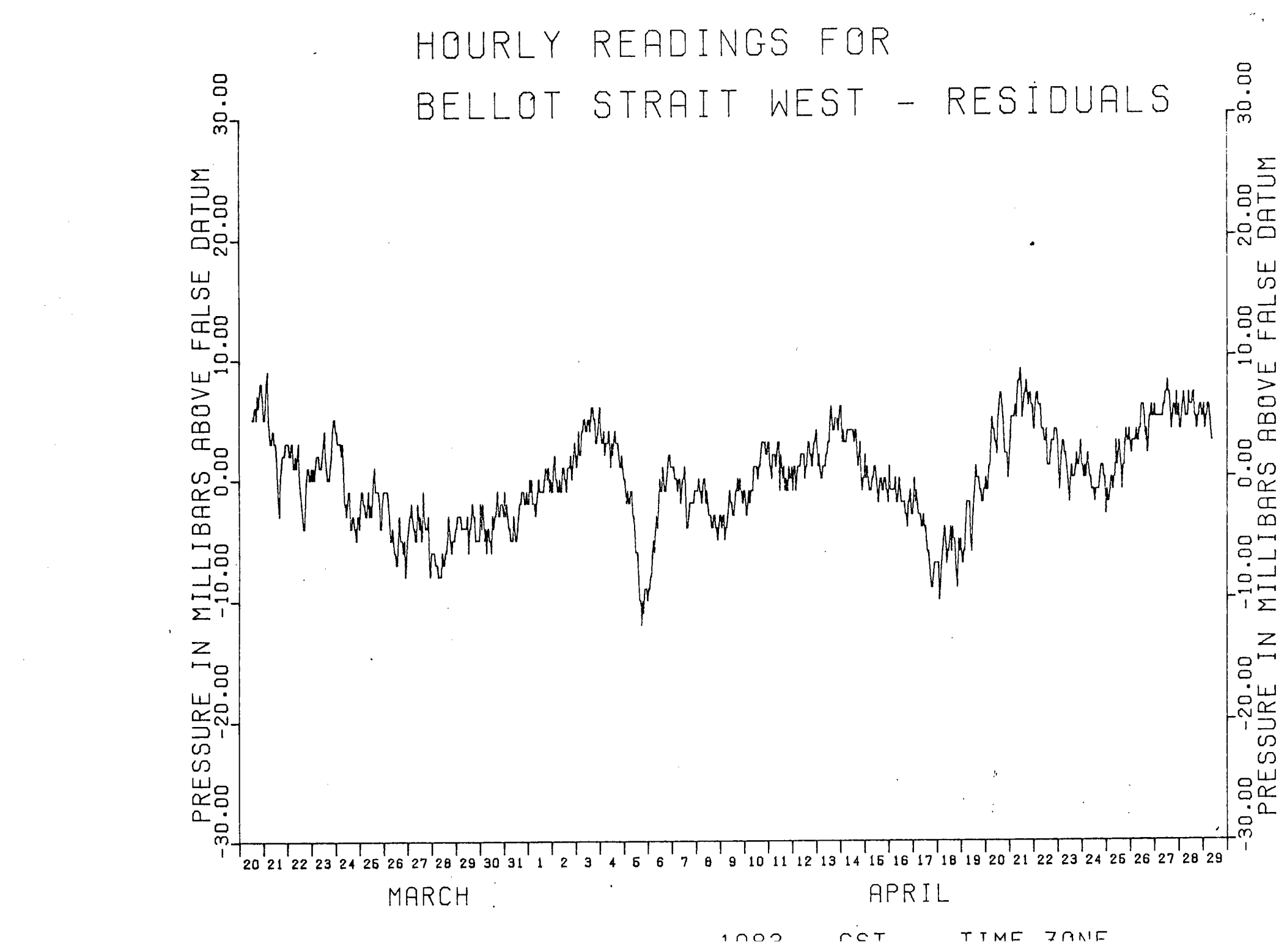
AFTER INFERENCE, RMS(RESID ERROR)= .03997

CONSTITUENT ALP1 IS NOT IN ICTAB TABLE
CONSTITUENT UPS1 IS NOT IN ICTAB TABLE
CONSTITUENT EPS2 IS NOT IN ICTAB TABLE
CONSTITUENT ETA2 IS NOT IN ICTAB TABLE
CONSTITUENT 2MK5 IS NOT IN ICTAB TABLE
CONSTITUENT 2SK5 IS NOT IN ICTAB TABLE
CONSTITUENT 3MK7 IS NOT IN ICTAB TABLE



Residuals


HOURLY READINGS FOR
BELLOT STRAIT WEST - 8359601
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
60.00
40.00
20.00
0.00
-20.00
-40.00
-60.00
20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
MARCH
APRIL
1983 CST TIME ZONE


HOURLY READINGS FOR
BELLOT STRAIT WEST - RESIDUALS
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
30.00
20.00
10.00
0.00
-10.00
-20.00
-30.00
20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
MARCH
APRIL
1982 CST TIME ZONE

DATE June 16 '83

TEMPORARY DEPLOYMENT WORK SHEET,
DATA SHEET AND PROCESSING SUMMARY
FOR 83-311-02 Prince Regent Inlet

1983 65906

MMARY OF INFORMATION RECEIVED

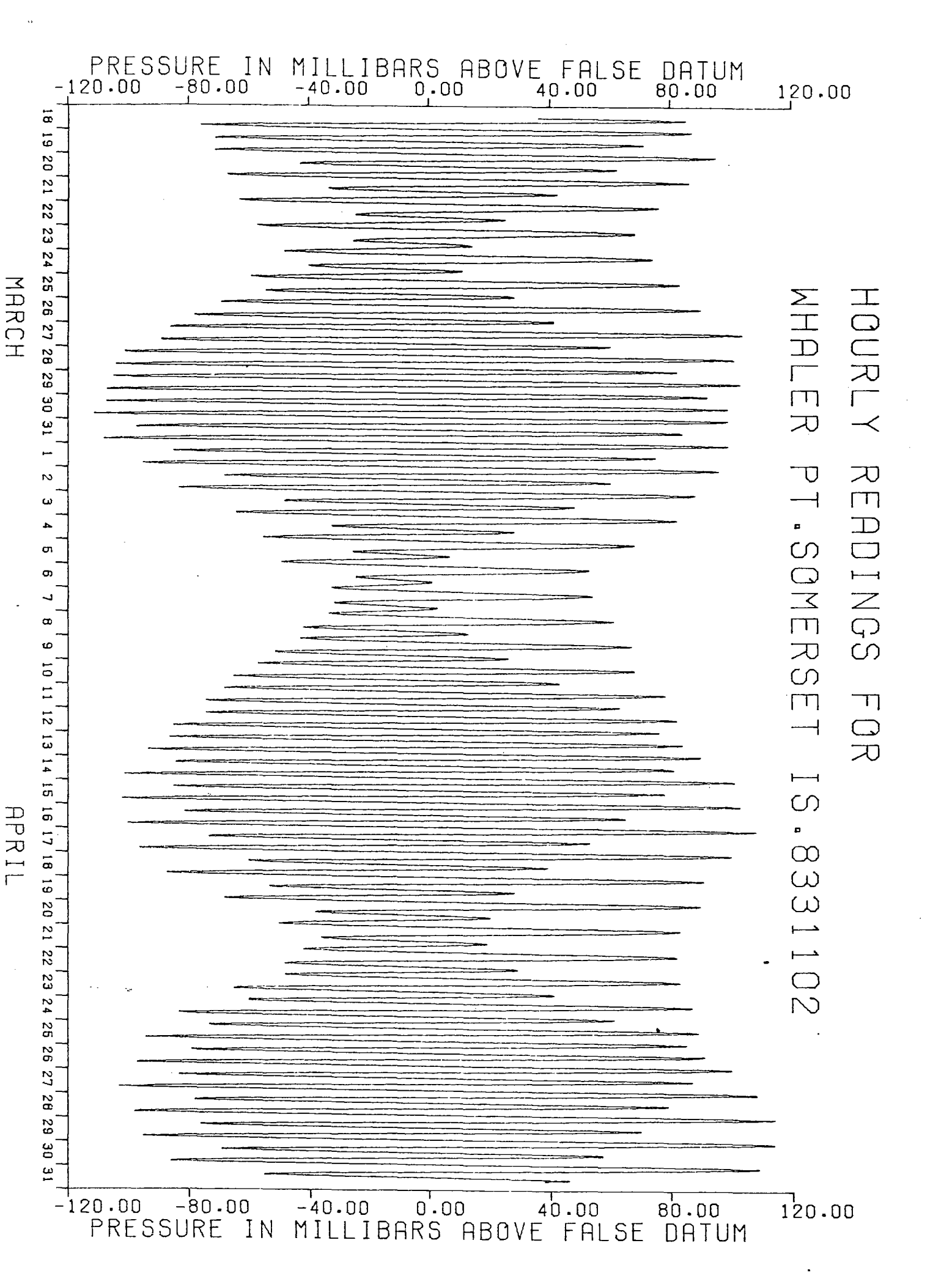
ALOGUE RECORDS	___	COMPARISON FORM	___
" MAGNETIC TAPE	✓	DEPLOYMENT FORM	✓
ROM	___	CALIBRATION FORM	✓
VELLING NOTES	✓	502 FORM	___
CATION MAP	✓	B. M PHOTOGRAPHS	___

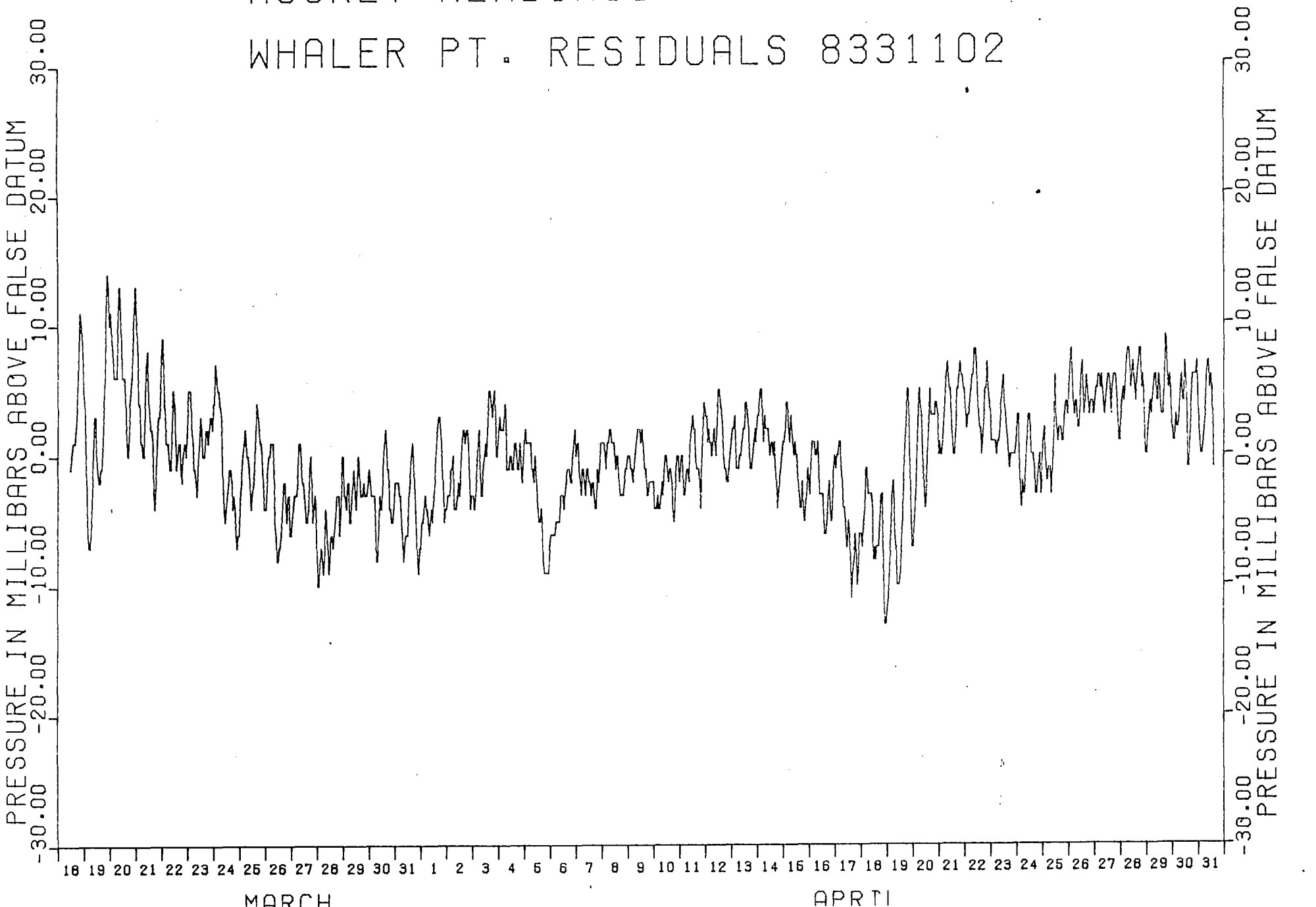
NERAL INFORMATION

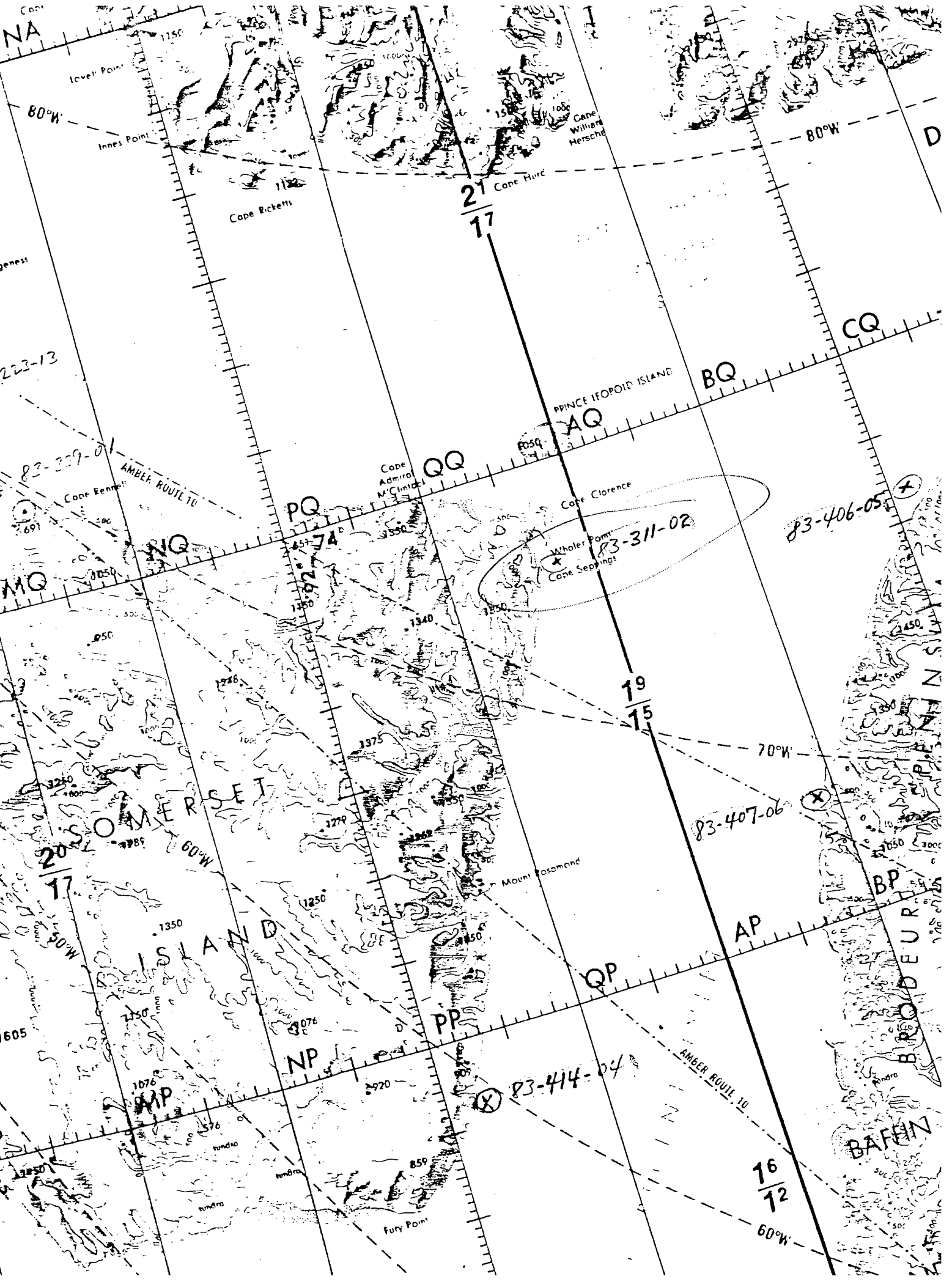
CATION South of Whale Point, Somerset Island
ITUDE 73° 49 N ✓
NGITUDE 90 17.5 W ✓
IE ZONE OF OBSERVATIONS CST
RIOD OF RECORD: START(HHMM/DD/MM/YY) 1100/18/03/83 (077) ✓
END (HHMM/DD/MM/YY) 1545/1/5/83 (121) ✓
NO. OF DAYS OF DATA 44 ✓
NO. OF DAYS ANALYSED 44

ODUCTION HISTORY

DATE RECEIVED Sept 7 '83
DATE PROCESSING COMPLETED Oct 20/83
DATE CHECKING COMPLETED Nov 18/83
DATE SENT TO H.Q. ___
DATE SENT TO MEDS ___
DATE RETURNED FROM MEDS ___
DATE FILE COMPLETED ___


PRESSURE IN MILLIBARS ABOVE FALSE DATUM
-120.00 -80.00 -40.00 0.00 40.00 80.00 120.00
18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 26 26 27 28 29 30 31
MARCH
APRIL
HOURLY READINGS FOR
WHALER PT. SOMERSET IS. 8331102
-120.00 -80.00 -40.00 0.00 40.00 80.00 120.00
PRESSURE IN MILLIBARS ABOVE FALSE DATUM


HOURLY READINGS FOR
WHALER PT. RESIDUALS 8331102
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
30.00
20.00
10.00
0.00
-10.00
-20.00
-30.00
18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
MARCH
APRIL


80°W
Cape Hurd
Cape Ricketts
Cape William Herschel
Innes Point
PRINCE LEOPOLD ISLAND
Cape Admiral McClintock
Cape Clarence
Wholer Point
Cape Seppings
Cape Rennell
AMBER ROUTE 10
83-311-02
83-406-05
83-407-06
83-414-04
70°W
60°W
50°W
Mount Rosmond
Fury Point
SOMERSET ISLAND
BAFFIN
BOOTHIA PENINSULA
tundra
21/17
19/15
20/17
16/12
AQ
BQ
CQ
QQ
PQ
NQ
MQ
AP
BP
QP
PP
NP
MP

FORM 3

PROCESSING CHECKLIST FOR SUBMERSIBLE TIDE GAUGE
AT 83-311-02

Gauge data: Model WLR5 A (5 channel) Range 0-60 m

Sampling interval 15 min Integration time 56 sec

Calibration: Pressure: Date Jan 17/83 Units PSI

Coefficients a 1033.897

b 559.084

t_o 3485735.736

Temperature : Date _____ Baseword _____

Coefficients -.252420E+01

.177735E-01

-.700123E-05

.198337E-07

Processing data:

Translator CCIW - 2K resistor (5 word gauge - 2 files merged together with BEN)

First data on Tape (time and day) 0815/076 ✓

First pressure words and time after deployment 406 502 ✓ (1100/077) ✓

First pressure words & time after recovery 381 656 ✓ (1600/121) ✓

Results: 1. Pressure - maximum 536.99 mb minimum 311.37 mb

range 225.62 mb offset 427

2. Plots data - hourly _____ residuals _____

3. Processing problems

- 2 files merged with BEN program + XEDIT

4. Master Filing _____

AANDERAA TIDE GAUGE

DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 311

TIME ZONE USED: CST

SAMPLING INTERVAL: 15 min 56 sec.

PREPARATION

INITIALIZATION DATE(DMY): 17/03/83

TIME RESET: 08:14:31

FIRST FIRE: 08:15:29

THREAD TAPE: 08:00

FIRST READING ON TAPE: 08:15

SECOND READING ON TAPE: 08:30

DIGI-PRINTER READINGS:

TIME	READINGS			
08:15	89	1	381	816 (62)
08:30	89	1	381	841 (63)
0845	89	1	381	76 = 837
0900	89	1	381	78 = 823

DEPLOYMENT

DEPLOYMENT DATE(DMY): 18/03/83

TIME IN WATER: 1100

TIME ON BOTTOM: 1100

LOCATION

LAT: 73-49 N

LONG: 90-17.5 W

OTHER: South of Whaler Pt Somerset Island.

RECOVERY

RECOVERY DATE(DMY): 1/5/83

TIME LEFT BOTTOM: 1551

TIME OUT OF WATER: 1552

TIME OF LAST FIRE: 2000 1/5/83

311 — 4/3/83

GS: TIME 1945 TIME 2000

1915 READINGS 89 READINGS 89

182 182

381 381

806 801

324 480

TIME TIME

READINGS READINGS

1930

IONS

PARABOLIC FIT TO CALIBRATION DATA FOR PAROSCIENTIFIC ...

RECORDER DATA: SERIAL 311
MODEL 5A FULL SCALE 60 METRES
CALIBRATION TEMPERATURE (DEG.C+-1) 0.0
PRESSURE SENSOR SERIAL 2005

AMBIENT CONDITIONS: TEMPERATURE (DEG.C) 22.0
PRESSURE (MM OF HG.) 754.50
DEW POINT (DEG.C+-1) 7.

	CH.3	CH.4	PERIOD		PRESSURE		APPROXIMATION		DEVIATION
1	423.	41.	0.3578921D	7	0.2654082D	2	0.2654082D	2	0.00000
2	459.	329.	0.3616073D	7	0.3654206D	2	0.3653932D	2	-0.00274
3	496.	824.	0.3654456D	7	0.4654530D	2	0.4654165D	2	-0.00365
4	535.	568.	0.3694136D	7	0.5654872D	2	0.5654679D	2	-0.00193
5	575.	649.	0.3736177D	7	0.6655197D	2	0.6655197D	2	-0.00000
6	617.	122.	0.3777658D	7	0.7655321D	2	0.7655683D	2	0.00362
7	660.	99.	0.3821667D	7	0.8655639D	2	0.8656151D	2	0.00512
8	704.	664.	0.3867288D	7	0.9655671D	2	0.9656365D	2	0.00694
9	750.	909.	0.3914637D	7	0.1065599D	3	0.1065661D	3	0.00617
10	798.	930.	0.3963810D	7	0.1165653D	3	0.1165653D	3	0.00000

PRESSURE = A*(1-X0/X) - B*(1-X0/X)**2
X = PERIOD AVERAGE=CH3*1024+CH4+3*1024**2 PRESSURE IN P.S.I.A.

X0 = 3485735.736 A = 1033.897 B = 559.084

R.M.S. ERROR OF FIT =0.004

WLR311 TEMPERATURE CALIBRATION S.N.116

POLYNOMIAL APPROXIMATION ORDER 3

	X	Y	APPROXIMATION	DEVIATION
1	53.000	-1.5500	-1.6034	-0.0534
2	151.00	-7.00005E -2	2.57047E -2	0.0957
3	374.00	3.9500	3.9091	-0.0409
4	550.00	7.8900	7.8392	-0.0508
5	683.00	11.720	11.749	0.0291
6	796.00	15.860	15.939	0.0794
7	871.00	19.310	19.251	-0.0591

R.M.S. ERROR= 6.2003E -2

COEFFICIENT OF N** 0 IS : -2.5242

COEFFICIENT OF N** 1 IS : 1.77935E -2

COEFFICIENT OF N** 2 IS : -9.00123E -6

COEFFICIENT OF N** 3 IS : 1.98337E -8

STATION NUMBER	NAME	ZONE	LAT	LONG	ANALYSIS LENGTH	G.M.T.
6F906	WHALER PT., SOMERSET	CST	7349 NORTH	9018 WEST	44 DAYS	433 MOYR

REFERENCE STATION - 5560

Z0 .007 (C.T. 453)

CONSTITUENT	AMPLITUDE	PHASE	GMT	CONSTITUENT	AMPLITUDE	PHASE
MM	.005	93.2		MSF	.030	167.1
2Q1	.003	65.9		Q1	.015	145.4
O1	.133	171.9		NO1	.026	137.6
P1	.076	206.7		K1	.238	211.6
J1	.015	256.7		CO1	.007	209.6
MU2	.006	294.9		N2	.100	310.1
M2	.633	343.2	157.1	L2	.024	345.6
S2	.239	30.4		K2	.060	22.8
M03	.005	19.9		M3	.002	127.5
SK3	.002	308.9				
MN4	.001	176.4		M4	.004	193.6
SN4	.001	183.2		MS4	.002	158.4
S4	.002	221.1				
M6	.001	297.9		2MS6	.002	303.6
2SM6	.001	.6				

AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
47	2.65	40	1.79	23	.26	.69	.41	.97

MEAN TIDES, TIMES AND HEIGHTS

1216	.96	2131	.41	1350	-.64	535	-.79
HHW		LHW		HLW		LLW	

LARGE TIDES		RANGES	
1.29	-1.26	1.75	2.66
HHW	LLW	MT	LT

AMPLITUDE VALUES ARE EXPRESSED IN DECIBARS
DATE AND TIME OF THE COMPUTER RUN 83/11/16. - 13.31.03.

INPUT DATA	IOUT1,	INOPP,	ICHK,	NSTRP,	RAYOPT	ZOFF	OBSFAC
	6	3	0	3	1.00000	0.00000	0.00000

INFERENCE PAIRS

K1	.417807462 0E-01	P1	-.155253710E-01	.31795	4.80000
S2	.833333333 0E-01	K2	.8956149240E-01	.25131	7.60000

STATION 65906 PRELIMINARY RESULTS

	CONSTITUENT	FREQUENCY	C	ERR	S	ERR
1	Z0	0.000 00000	.007	.002	0.000	.000
2	MM	.00151215	-.002	.002	-.004	.002
3	MSF	.00282193	-.012	.002	-.028	.002
4	ALP1	.03439657	.004	.002	.001	.002
5	2Q1	.03570635	.002	.002	-.002	.002
6	Q1	.03721850	-.016	.002	-.001	.002
7	O1	.03873065	.136	.002	-.013	.002
8	NO1	.04026859	.014	.002	-.007	.002
9	K1	.04178075	-.001	.002	-.180	.002
10	J1	.04329290	-.006	.002	.017	.002
11	OO1	.04483084	.006	.002	-.002	.002
12	UPS1	.04634299	.001	.002	-.003	.002
13	EPS2	.07617732	.001	.002	.003	.002
14	MU2	.07768947	-.002	.002	.005	.002
15	N2	.07899925	.053	.002	.024	.002
16	M2	.08051140	-.347	.002	-.523	.002
17	L2	.08202355	-.015	.002	-.027	.002
18	S2	.08333333	.290	.002	-.021	.002
19	ETA2	.08507364	-.008	.002	.005	.002
20	MO3	.11924206	-.001	.002	.005	.002
21	M3	.12076711	.000	.002	-.001	.002
22	MK3	.12229215	.000	.002	.001	.002
23	SK3	.12511400	.002	.002	-.001	.002
24	MN4	.15951065	-.001	.002	-.001	.002
25	M4	.16102280	-.004	.002	-.001	.002
26	SN4	.16233258	-.002	.002	-.001	.002
27	MS4	.16384473	.002	.002	.002	.002
28	S4	.16666667	-.001	.002	.001	.002
29	2MK5	.20280355	-.003	.002	.002	.002
30	2SK5	.20844741	-.000	.002	.000	.002
31	2MN6	.24032205	-.000	.002	-.000	.002
32	M6	.24155420	.001	.002	-.001	.002
33	2MS6	.24435613	.001	.002	-.002	.002
34	2SM6	.24717807	-.001	.002	-.002	.002
35	3MK7	.28331495	-.000	.002	.000	.002
36	M8	.32204560	-.000	.002	-.000	.002

NUMBER OF VALID DATA = 1059 AVERAGE = .01 STANDARD DEVIATION = .54

THEORETICAL RMS = .05 MATRIX CONDITION = .37

RMS OF THE RESIDUES= .05186

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 65906 12H 13/ 3/83 TO 15H 1/ 5/83

NO.OBS.= 1060 NO.PTS.ANAL.= 1060 MIDPT=13H 3/ 4/83 SEPARATION =1.00

TIME ZONE= CST LATITUDE=73D 49M LONGITUDE= 90D 18M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G	AL	GL
1	Z0	0.00000000	383-	583	.0065	0.00	.0065	0.00
2	MM	.00151215	383-	583	.0047	93.25	.0047	237.92
3	MSF	.00282193	383-	583	.0303	167.14	.0303	245.75
4	ALP1	.03439657	383-	583	.0037	56.13	.0039	17.53
5	2Q1	.03570635	383-	583	.0028	65.93	.0031	321.04
6	Q1	.03721850	383-	583	.0154	145.38	.0164	184.28
7	O1	.03873065	383-	583	.1326	171.87	.1363	354.72
8	NO1	.04026859	383-	583	.0264	137.58	.0157	26.58
9	K1	.04178075	383-	583	.1772	203.63	.1802	270.17
10	J1	.04329290	383-	583	.0153	256.73	.0178	109.39
11	001	.04483084	383-	583	.0067	209.60	.0064	340.54
12	UPS1	.04634299	383-	583	.0029	1.03	.0031	280.98
13	EPS2	.07617732	383-	583	.0029	33.60	.0032	65.69
14	MU2	.07768947	383-	583	.0056	294.05	.0058	110.38
15	N2	.07899925	383-	583	.1000	310.09	.1077	60.29
16	M2	.08051140	383-	583	.6325	343.24	.6327	236.74
17	L2	.08202355	383-	583	.0236	345.60	.0167	204.80
18	S2	.08333333	383-	583	.2906	25.94	.2907	355.81
19	ETA2	.08507369	383-	583	.0076	49.00	.0096	151.66
20	MO3	.11924206	383-	583	.0046	19.92	.0048	96.26
21	M3	.12576710	383-	583	.0022	127.51	.0022	32.31
22	MK3	.12729215	383-	583	.0033	42.55	.0002	2.56
23	SK3	.12911408	383-	583	.0022	308.92	.0023	345.33
24	MN4	.15951065	383-	583	.0012	176.44	.0013	184.13
25	M4	.16102280	383-	583	.0042	193.65	.0042	340.63
26	SN4	.16233258	383-	583	.0012	183.20	.0013	268.26
27	MS4	.16384473	383-	583	.0024	188.46	.0024	55.79
28	S4	.16666667	383-	583	.0016	221.12	.0016	160.87
29	2MK5	.20828355	383-	583	.0033	292.25	.0033	145.77
30	2SK5	.20944741	383-	583	.0004	91.31	.0004	97.59
31	2MN6	.24000226	383-	583	.0000	0.21	.0000	1.78
32	M6	.24153422	383-	583	.0012	297.68	.0012	338.36
33	2MS6	.24435613	383-	583	.0020	302.96	.0020	55.81
34	2SM6	.24717807	383-	583	.0009	.57	.0009	193.81
35	3MK7	.28331495	383-	583	.0005	300.45	.0005	47.46
36	M8	.32204560	383-	583	.0002	282.81	.0002	216.78

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 65906 12H 18/ 3/83 TO 15H 1/ 5/8

NO.OBS.= 1060 NO.PTS.ANAL.= 1060 MIDPT=13H 9/ 4/83 SEPARATION =1.0

TIME ZONE= CST LATITUDE=730 49M LONGITUDE= 900 +31 REF. STATION= 9560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G		AL	GL
1	Z0	0.00000000	383-	583	.0065	0.00		.0065	0.00
2	MM	.00151215	383-	583	.0047	93.25		.0047	237.92
3	MSF	.00282193	383-	583	.0303	167.14		.0303	245.75
4	ALP1	.03439657	383-	583	.0037	56.13		.0039	17.53
5	2Q1	.03570635	383-	583	.0028	65.93		.0031	321.04
6	Q1	.03721850	383-	583	.0154	145.38		.0164	184.28
7	O1	.03873065	383-	583	.1336	171.87		.1363	354.72
8	NO1	.04026859	383-	583	.0264	137.58		.0157	26.58
9	P1	.04155259	383-	583	.0758	206.72	INF FR K1	.0756	119.51
10	K1	.04178075	383-	583	.2334	211.62		.2424	276.16
11	J1	.04329290	383-	583	.0113	256.73		.0178	10.39
12	OO1	.04483084	383-	583	.0057	209.60		.0064	340.54
13	UPS1	.04634299	383-	583	.0029	1.03		.0031	28.99
14	EPS2	.07617732	383-	583	.0029	33.63		.0032	65.69
15	MU2	.07768947	383-	583	.0056	294.09		.0058	110.38
16	N2	.07899925	383-	583	.1077	310.09		.1077	69.29
17	M2	.08051140	383-	583	.6325	343.24		.6327	236.74
18	L2	.08202355	383-	583	.0236	345.60		.0167	204.80
19	S2	.08333333	383-	583	.3892	0.44		.2398	.21
20	K2	.08356149	383-	583	.1651	22.84	INF FR S2	.0612	336.03
21	ETA2	.08507364	383-	583	.0078	9.90		.0096	151.66
22	MO3	.11492206	383-	583	.0046	19.92		.0046	96.26
23	M3	.12076711	383-	583	.0022	12.55		.0022	32.31
24	MK3	.12229211	383-	583	.0033	12.55		.0033	32.56
25	SK3	.12511443	383-	583	.0022	30.92		.0022	34.33
26	MN4	.15951065	383-	583	.0112	176.44		.0113	128.13
27	M4	.16102280	383-	583	.0442	193.65		.0442	345.63
28	SN4	.16253496	383-	583	.0102	183.20		.0116	263.26
29	MS4	.16404711	383-	583	.0024	218.43		.0024	51.79
30	S4	.16666667	383-	583	.0016	221.12		.0016	160.37
31	2MK5	.20280355	383-	583	.0033	292.25		.0033	145.77
32	2SK5	.20684711	383-	583	.0004	314.03		.0004	97.59
33	2MN6	.24040355	383-	583	.0004	350.21		.0004	197.38
34	M6	.24153420	383-	583	.0012	297.88		.0012	338.36
35	2MS6	.24435613	383-	583	.0020	302.96		.0020	59.31
36	2SM6	.24717807	383-	583	.0009	.57		.0009	193.31
37	3MK7	.28331495	383-	583	.0005	300.55		.0006	47.46
38	M8	.32204560	383-	583	.0002	282.81		.0002	216.78

AFTER INFERENCE, RMS(RESID ERROR)= .0283

CONSTITUENT ALPI IS NOT IN ICTAB TABLE
CONSTITUENT UPS1 IS NOT IN ICTAB TABLE
CONSTITUENT EPS2 IS NOT IN ICTAB TABLE
CONSTITUENT ETA2 IS NOT IN ICTAB TABLE
CONSTITUENT 2MK5 IS NOT IN ICTAB TABLE
CONSTITUENT 2SK5 IS NOT IN ICTAB TABLE
CONSTITUENT 3MK7 IS NOT IN ICTAB TABLE

S4+F9.6 WHALE PT.,SOMERSET CST 73 49 36 16 1 X 64 483 55

J	65906	7	[illegible]	CST	483	Z0	
J	65906	133	1713	CST	483	O1	
J	65906	233	2116	CST	483	K1	
J	65906	633	3432	CST	483	M2	
J	65906	239	304	CST	483	S2	
J	65906	4	1966	CST	483	M4	
J	65906	2	1884	CST	483	MS4	
J	65906	100	3[illegible]	CST	483	N2	
J	65906	5	932	CST	483	MM	1
J	65906	15	1454	CST	483	Q1	1
J	65906	15	2567	CST	483	J1	1
J	65906	7	2096	CST	483	OO1	1
J	65906	6	2949	CST	483	MU2	1
J	65906	24	3456	CST	483	L2	1
J	65906	26	1376	CST	483	NO1	1
J	65906	1	1764	CST	483	MN4	1
J	65906	[illegible]	2826	CST	483	M8	1
J	65906	4	561	CST	483	ALF1	2
J	65906	3	659	CST	483	2Q1	2
J	65906	76	2067	CST	483	P1	2
J	65906	3	10	CST	483	UPS1	3
J	65906	3	336	CST	483	EPS2	3
J	65906	60	228	CST	483	K2	4
J	65906	8	499	CST	483	ETA2	4
J	65906	2	1275	CST	483	M3	4
J	65906	5	199	CST	483	MO3	5
J	65906	0	425	CST	483	MK3	5
J	65906	2	3039	CST	483	SK3	5
J	65906	1	1332	CST	483	SN4	5
J	65906	2	2211	CST	483	S4	5
J	65906	3	2923	CST	483	2MK5	5
J	65906	0	913	CST	483	2SK5	5
J	65906	0	3002	CST	483	2MN6	6
J	65906	1	2979	CST	483	M6	6
J	65906	2	3030	CST	483	2MS6	6
J	65906	1	6	CST	483	2SM6	6
J	65906	1	3034	CST	483	3MK7	6
J	65906	30	1671	CST	483	MSF	6

FO[redacted]

DATE June 10/83

TEMPORARY DEPLOYMENT WORK SHEET,
DATA SHEET AND PROCESSING SUMMARY
FOR 83-406-05 Barnes Lagoon Inlet

65908

MMARY OF INFORMATION RECEIVED

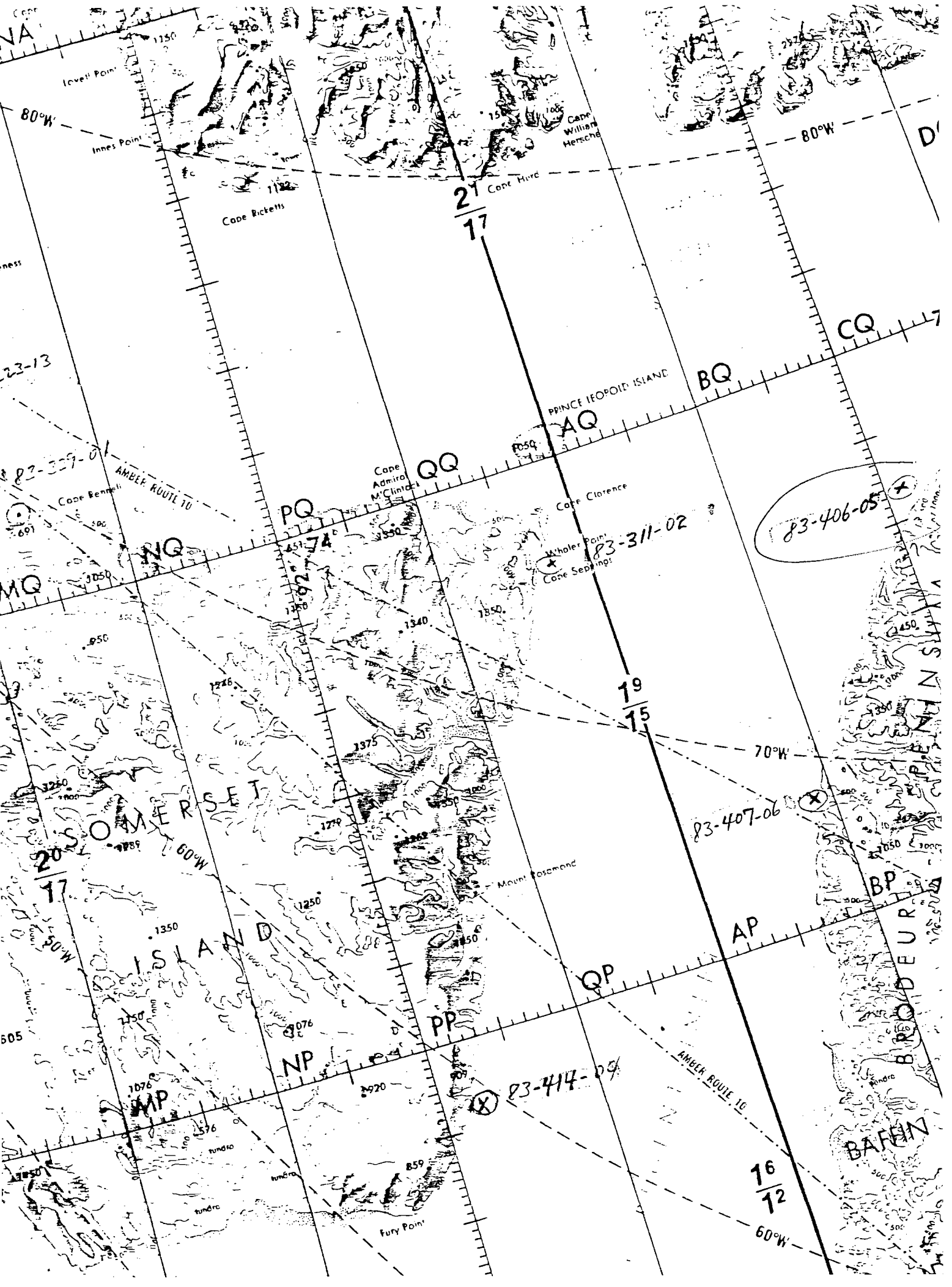
ALOGUE RECORDS		COMPARISON FORM	
4" MAGNETIC TAPE	✓	DEPLOYMENT FORM	✓
ROM		CALIBRATION FORM	✓
VELLING NOTES		502 FORM	
CATION MAP	✓	B. M PHOTOGRAPHS	

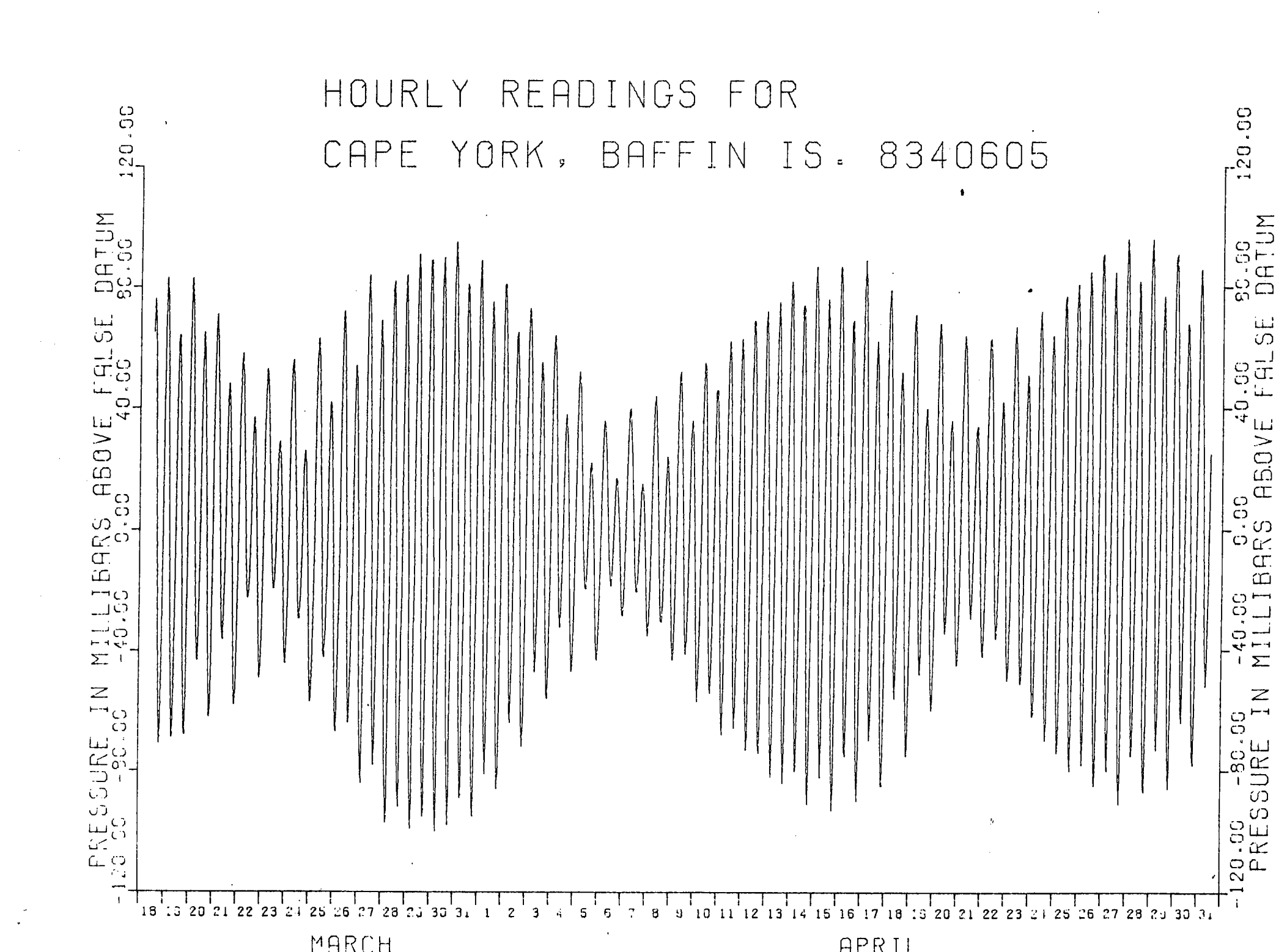
NERAL INFORMATION

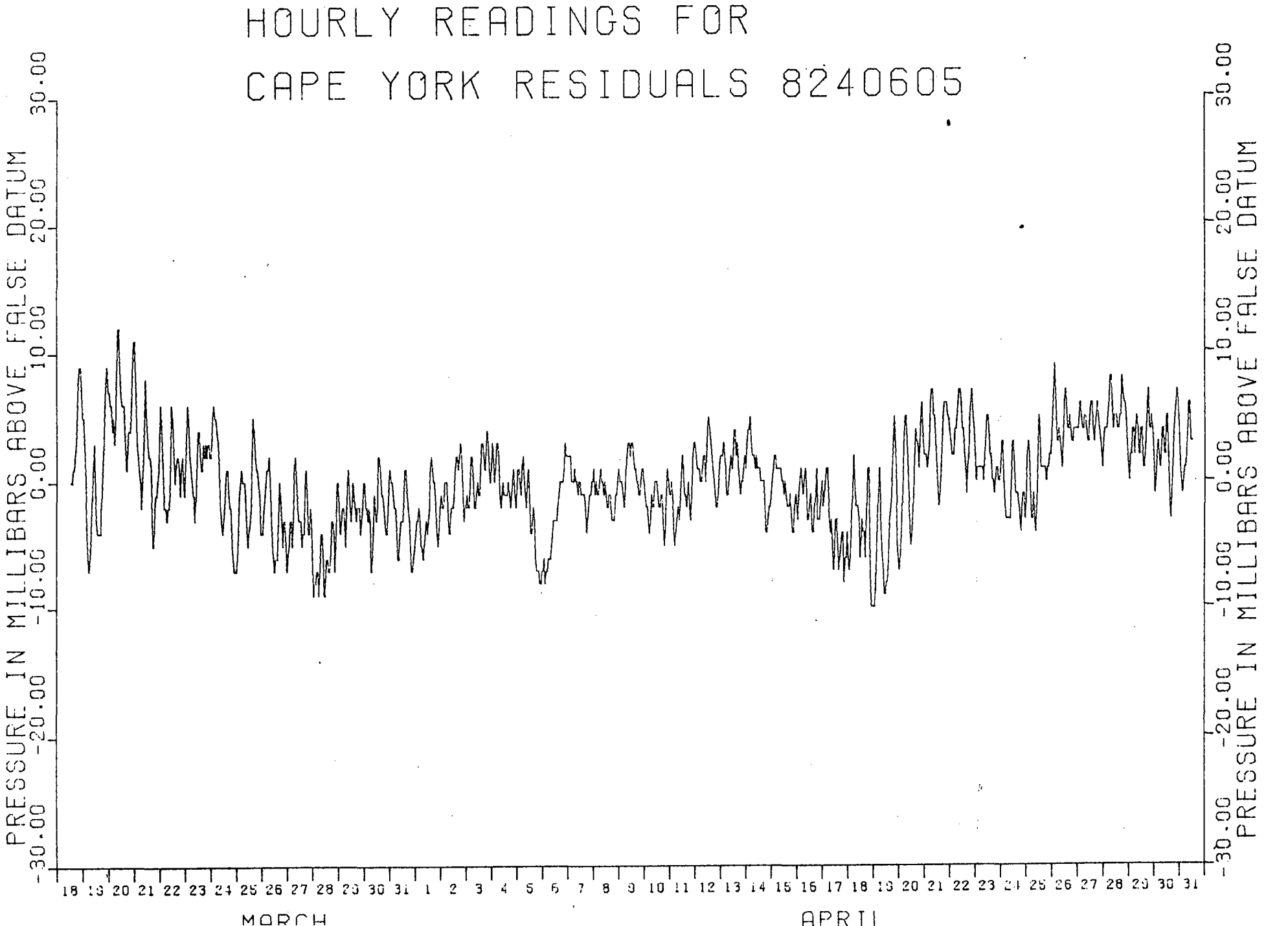
CATION South of Cape Vrin, Baffin Island
TITUDE 73° 42' N
NGITUDE 87° 52' W
ME ZONE OF OBSERVATIONS CST
RIOD OF RECORD: START(HHMM/DD/MM/YY) 1300/18/03/83 (077)
END (HHMM/DD/MM/YY) 1230/1/5/83 (121)
NO. OF DAYS OF DATA 44
NO. OF DAYS ANALYSED

ODUCTION HISTORY

DATE RECEIVED Nov 8/83
DATE PROCESSING COMPLETED Oct 12/83
DATE CHECKING COMPLETED Nov 10/83
DATE SENT TO H.Q.
DATE SENT TO MEDS
DATE RETURNED FROM MEDS
DATE FILE COMPLETED


80°W
Lovell Point
Innes Point
Cape Ricketts
Cape Hurd
Cape William Herschel
21/17
PRINCE LEOPOLD ISLAND
Cape Admiral M'Clintock
Cape Bennett
AMBER ROUTE 10
Cape Clarence
Wholer Point
Cape Seppings
83-311-02
83-406-05
74°
70°W
19/15
83-407-06
SOMERSET ISLAND
60°W
Mount Rosemond
20/17
50°W
83-414-09
AMBER ROUTE 10
BAFFIN
16/12
60°W
Fury Point
tundra
AQ
BQ
CQ
QQ
PQ
NQ
MQ
AP
BP
QP
PP
NP
MP


HOURLY READINGS FOR
CAPE YORK, BAFFIN IS. 8340605
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
120.00
80.00
40.00
0.00
-40.00
-80.00
-120.00
18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
MARCH
APRIL


HOURLY READINGS FOR
CAPE YORK RESIDUALS 8240605
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
30.00
20.00
10.00
0.00
-10.00
-20.00
-30.00
18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
MARCH
APRIL

FORM 3

PROCESSING CHECKLIST FOR SUBMERSIBLE TIDE GAUGE
AT 83-406-01 Cape York

Gauge data: Model WLR5 8 Range 0-130 m

Sampling interval 15 min Integration time 56 sec

Calibration: Pressure: Date June 25/82 Units PSI

Coefficients a 1761.369

b 885.032

t_o 3614427.691

Temperature : Date _____ Baseword _____

Coefficients _____

Processing data:

Translator COMO - 2 Version

First data on Tape (time and day) 2000/071

First pressure words and time after deployment 537 599 (1300/077)

First pressure words & time after recovery 487 1006 (1230/121)

Results: 1. Pressure - maximum 1676.60 mb minimum 1479.10 mb

range 196.9 mb offset 1400

2. Plots data - hourly _____ residuals _____

3. Processing problems

- first sample missing, next 2 samples garbled, next 2 match monitor
- last sample missing, one monitor okay
- 14 reg. bits missing, all scanned after gauge was recovered

4. Master Filing _____

AANDERAA TIDE GAUGE
DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 406

TIME ZONE USED: CST

SAMPLING INTERVAL: 15 min. 56 sec.

PREPARATION

INITIALIZATION DATE(DMY): 12/03/83
TIME RESET: 19:44:31
FIRST FIRE: 19:45:29
THREAD TAPE: 1915
FIRST READING ON TAPE: 1945
SECOND READING ON TAPE: 2000

DIGI-PRINTER READINGS:
1945
126

TIME	READINGS
2000	Garbled
2015	126
	1
	487
	107
2030	- - -
	1
	487
	97
2045	126
	1
	487
	95

DEPLOYMENT

DEPLOYMENT DATE(DMY): 18/03/83
TIME IN WATER: 1250
TIME ON BOTTOM: 1252

LOCATION

LAT: 73-42 N.
LONG: 87-52 W.
OTHER: South of Cape Yor
Baffin Island.

RECOVERY

RECOVERY DATE(DMY): 1/5/83
TIME LEFT BOTTOM: 1239
TIME OUT OF WATER: 1240
TIME OF LAST FIRE: 2030 1/5/83

406

7945

2000

2015

2030

2045

S: TIME 2015

READINGS 126
161
487
670

TIME

READINGS

TIME 2030

READINGS 126
161
487
656

TIME

READINGS

ATIONS

RECORDER DATA: SERIAL 406
MODEL 5A FULL SCALE 130 METRES
CALIBRATION TEMPERATURE (DEG.C+-1) 0.0
PRESSURE SENSOR SERIAL12920

AMBIENT CONDITIONS: TEMPERATURE (DEG.C) 24.0
PRESSURE (MM OF HG.) 777.00
DEW POINT (DEG.C+-1) 7.

	CH.3	CH.4	PERIOD		PRESSURE		APPROXIMATION		DEVIATION
1	482.	23.	0.3639319D	7	0.1200557D	2	0.1200557D	2	0.00000
2	502.	668.	0.3660444D	7	0.2200990D	2	0.2200272D	2	-0.00718
3	523.	696.	0.3681976D	7	0.3201452D	2	0.3201562D	2	0.00110
4	545.	71.	0.3703879D	7	0.4201933D	2	0.4202210D	2	0.00277
5	566.	856.	0.3726168D	7	0.5202394D	2	0.5202402D	2	0.00008
6	589.	7.	0.3748871D	7	0.6202663D	2	0.6202857D	2	0.00194
7	611.	580.	0.3771972D	7	0.7203124D	2	0.7202332D	2	-0.00791
8	634.	588.	0.3795532D	7	0.8203293D	2	0.8202896D	2	-0.00397
9	658.	83.	0.3819603D	7	0.9203745D	2	0.9206066D	2	0.02321
10	681.	947.	0.3844019D	7	0.1020439D	3	0.1020439D	3	-0.00000
11	706.	263.	0.3868935D	7	0.1120485D	3	0.1120370D	3	-0.01148
12	731.	129.	0.3894401D	7	0.1220510D	3	0.1220528D	3	0.00182
13	756.	457.	0.3920329D	7	0.1320555D	3	0.1320501D	3	-0.00539
14	782.	299.	0.3946795D	7	0.1420602D	3	0.1420520D	3	-0.00824
15	808.	654.	0.3973774D	7	0.1520647D	3	0.1520423D	3	-0.02239
16	863.	16.	0.4029456D	7	0.1720719D	3	0.1720294D	3	-0.04245
17	891.	186.	0.4058298D	7	0.1820737D	3	0.1820598D	3	-0.01388
18	919.	886.	0.4087670D	7	0.1920782D	3	0.1920567D	3	-0.02151
19	949.	290.	0.4117794D	7	0.2020877D	3	0.2020877D	3	0.00000

PRESSURE = A*(1-X0/X) - B*(1-X0/X)**2
X = PERIOD AVERAGE=CH3*1024+CH4+3*1024**2 PRESSURE IN P.S.I.A.

X0 = 3614427.691 A = 1761.369 B = 885.032

R.M.S. ERROR OF FIT =0.014

STATION NUMBER	NAME	ZONE	LAT	LONG	ANALYSIS LENGTH	G.I.
65908	PEAK VALLEY, BAFFIN IS	CST	7342 NORTH	6752 WEST	44 DAYS	483 MCYR

REFERENCE STATION - 6560

Z0 .009 (G.T. 483)

CONSTITUENT	AMPLITUDE	PHASE	GMT	CONSTITUENT	AMPLITUDE	PHASE
MM	.011	87.7		MSF	.029	172.5
2Q1	.002	55.3		Q1	.011	174.9
O1	.079	193.2		NO1	.015	162.1
P1	.036	216.1		K1	.114	221.0
J1	.007	263.9		CO1	.003	193.0
MU2	.006	292.2		N2	.095	304.3
M2	.587	338.0	151.9	L2	.024	339.9
S2	.218	25.3		K2	.055	17.7
MO3	.005	11.0		M3	.001	118.3
SK3	.003	339.9				
MN4	.001	163.1		M4	.004	194.6
SN4	.001	212.8		MS4	.003	169.2
S4	.001	211.9				
2MN6	.001	335.9		M6	.001	344.2
2MS6	.002	10.8		2SM6	.001	92.2

AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
17	2.69	28	1.44	37	.14	.64	.23	.78

MEAN TIDES, TIMES AND HEIGHTS

1205	.76	2418	.51	1827	-.57	536	-.72
HHW		LHW		HLW		LLW	

LARGE TIDES		RANGES	
1.06	-1.08	1.58	2.17
HHW	LLW	MT	LT

AMPLITUDE VALUES ARE EXPRESSED IN DECIBARS
DATE AND TIME OF THE COMPUTER RUN 83/11/16. - 13.19.21.

INPUT DATA IOUT, INFER, ICHK, NSTRP, RAYOPT, ZOFF, OBSFAC
6 3 0 0 1.00000 0.00000 0.00000

INFERENCE PAIRS

K1	.41780746E-01	P1	.15525710E-01	.31795	4.90000
S2	.83333333E-01	K2	.85614924E-01	.26131	7.60000

STATION 65908 PRELIMINARY RESULTS

	CONSTITUENT	FREQUENCY	C	ERR	S	ERR
1	ZO	0.00000000	.009	.001	0.000	.000
2	MM	.00151215	-.007	.002	-.009	.002
3	MSF	.00282193	-.009	.002	-.028	.002
4	ALP1	.03439657	.001	.002	.002	.002
5	2Q1	.03570635	.002	.002	-.001	.002
6	Q1	.03721850	-.008	.002	-.004	.002
7	O1	.03873065	.010	.002	.004	.002
8	NO1	.04026859	.004	.002	.008	.002
9	K1	.04178075	.036	.002	.067	.002
10	J1	.04329290	-.005	.002	.006	.002
11	OO1	.04483084	.002	.002	-.001	.002
12	UPS1	.04634299	.001	.002	-.001	.002
13	EPS2	.07617732	-.000	.002	.002	.002
14	MU2	.07768947	-.004	.002	.004	.002
15	N2	.07899925	.013	.002	.101	.002
16	M2	.08051140	-.097	.002	-.577	.002
17	L2	.08202355	-.011	.002	-.061	.002
18	S2	.08333333	.247	.002	.963	.002
19	ETA2	.08507364	-.009	.002	.011	.002
20	MO3	.11924206	-.003	.002	.004	.002
21	M3	.12076710	.001	.002	.004	.002
22	MK3	.12229215	.000	.002	-.000	.002
23	SK3	.12511408	.001	.002	.002	.002
24	MN4	.15951065	-.001	.002	-.001	.002
25	M4	.16102280	.003	.002	.003	.002
26	SN4	.16233258	.001	.002	-.000	.002
27	MS4	.16384473	-.001	.002	.003	.002
28	S4	.16666667	-.001	.002	-.001	.002
29	2MK5	.20280355	-.003	.002	-.002	.002
30	2SK5	.20847741	-.001	.002	.000	.002
31	2MN6	.24002205	-.001	.002	-.001	.002
32	M6	.24153420	-.001	.002	-.001	.002
33	2MS6	.24435613	-.001	.002	-.000	.002
34	2SM6	.24717807	.001	.002	.000	.002
35	3MK7	.28331495	-.000	.002	-.000	.002
36	M8	.32204560	.000	.002	-.000	.002

NUMBER OF VALID DATA = 1055 AVERAGE = .01 STANDARD DEVIATION = .48

THEORETICAL RMS = .04 MATRIX CONDITION = .37

RMS OF THE RESIDUES= .04347

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 65903 13H 18/ 3/83 TO 12H 1/ 5/83

NO.OBS.= 1056 NO.PTS.ANAL.= 1056 MIDPT=12H 9/ 4/83 SEPARATION =1.00

TIME ZONE= CST LATITUDE=73D 44M LONGITUDE= 87D 52M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G	AL	GL
1	Z0	0.000000000	383-	583	.0086	0.00	.0086	0.00
2	MM	.000151215	383-	583	.0109	87.71	.0109	232.92
3	MSF	.002821933	383-	583	.0295	172.53	.0295	252.17
4	ALP1	.034396657	383-	583	.0026	84.10	.0027	57.87
5	2Q1	.035706635	383-	583	.0022	55.33	.0025	323.29
6	Q1	.037216650	383-	583	.0105	174.91	.0112	227.21
7	O1	.038733665	383-	583	.0755	193.18	.0803	[illegible]
8	NO1	.040266559	383-	583	.0153	162.12	.0091	65.64
9	K1	.041780759	383-	583	.0845	213.04	.0859	291.62
10	J1	.043292900	383-	583	.0067	263.89	.0076	132.13
11	001	.044803684	383-	583	.0027	197.96	.0025	345.03
12	UPS1	.046342999	383-	583	.0013	15.80	.0011	311.93
13	EPS2	.076177322	383-	583	.0019	43.91	.0021	103.42
14	MU2	.077689447	383-	583	.0057	292.20	.0059	135.60
15	N2	.078899022	383-	583	.0946	30.43	.1019	8.93
16	M2	.080511444	383-	583	.5373	38.00	.5874	260.47
17	L2	.082200355	383-	583	.1237	339.95	.1167	226.66
18	S2	.083333333	383-	583	.2644	20.82	.2645	226.69
19	ETA2	.085007366	383-	583	.0059	41.02	.0087	174.31
20	MO3	.119242061	383-	583	.0051	11.60	.0053	136.27
21	M3	.120767110	383-	583	.0011	11.68	.0011	2.55
22	MK3	.122292215	383-	583	.0023	317.04	.0005	321.09
23	SK3	.123511440	383-	583	.0028	339.89	.0028	6.34
24	MN4	.159511065	383-	583	.0012	163.06	.0013	224.17
25	M4	.161022858	383-	583	.0004	194.56	.0005	3.51
26	SN4	.162332258	383-	583	.0014	212.76	.0015	351.27
27	MS4	.163844736	383-	583	.0034	189.19	.0034	111.54
28	S4	.166666667	383-	583	.0013	211.94	.0013	211.69
29	2MK5	.202803555	383-	583	.0033	289.75	.0039	226.26
30	2SK5	.204474411	383-	583	.0006	87.64	.0009	169.44
31	2MN6	.240022205	383-	583	.0008	335.86	.0009	319.49
32	M6	.241534262	383-	583	.0014	344.17	.0014	111.59
33	2MS6	.244355613	383-	583	.0015	10.84	.0015	218.66
34	2SM6	.245717807	383-	583	.0005	92.18	.0005	14.39
35	3MK7	.283314355	383-	583	.0001	345.01	.0001	106.92
36	M8	.322045600	383-	583	.0001	225.86	.0001	275.76

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 5590 13H 18/ 3/83 TO 12H 1/ 5/83

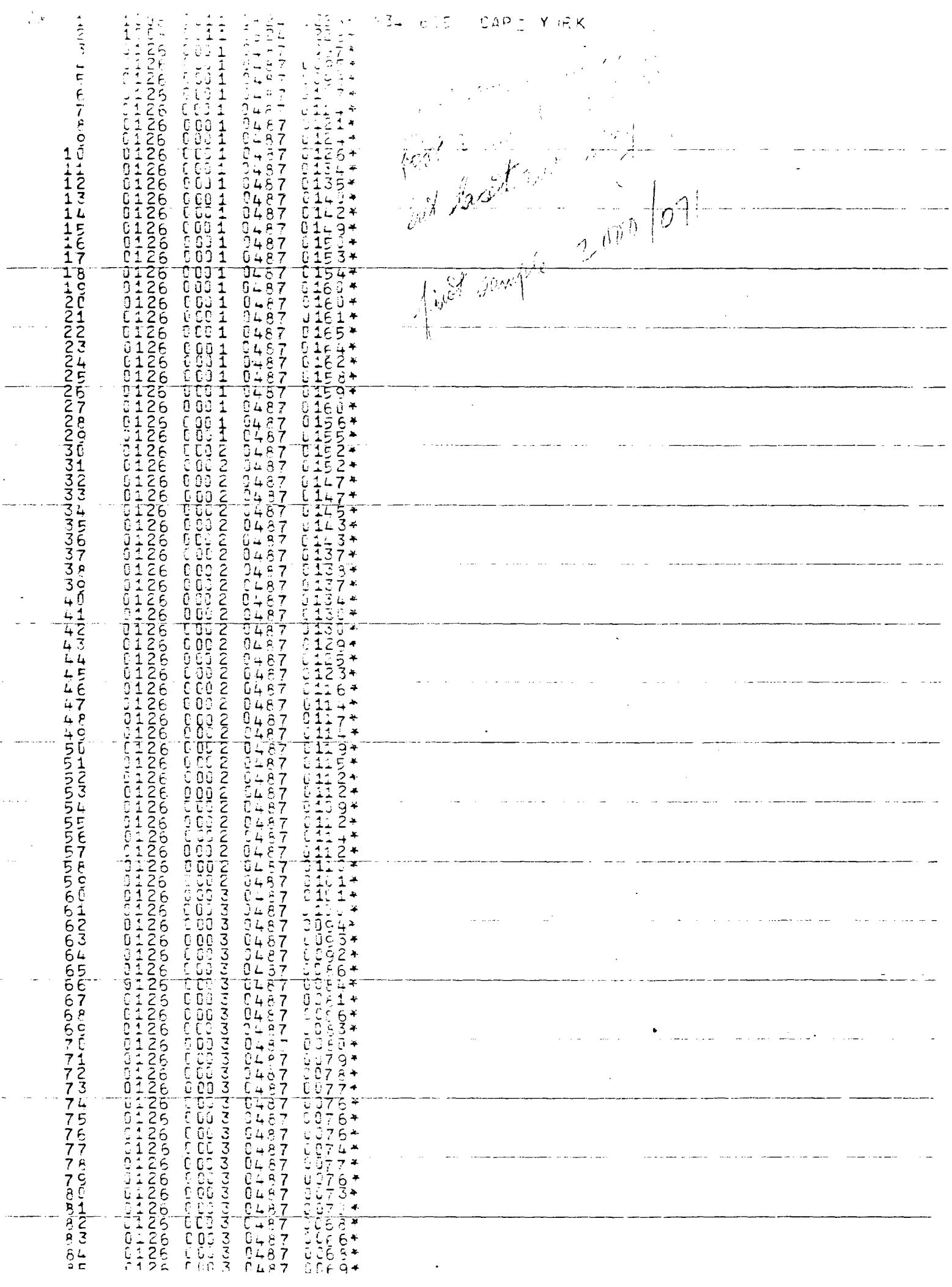
NO.OBS.= 1056 NO.PTS.ANAL.= 1056 MIDPT=12H 9/ 4/83 SEPARATION =1.00

TIME ZONE= CST LATITUDE=73D 42M LONGITUDE= 87D 52M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/ M-Y	A	G		AL	GL
1	Z0	0.000000000	3883- 5883	.0086	0.00		.0086	0.00
2	MM	.001512150	3883- 5883	.0109	87.71		.0109	232.32
3	MSF	.002821938	3883- 5883	.0295	172.53		.0295	252.17
4	ALP1	.003436574	3883- 5883	.0026	84.10		.0027	57.87
5	2Q1	.003570635	3883- 5883	.0022	55.33		.0025	323.29
6	Q1	.003721850	3883- 5883	.0105	174.91		.0112	227.21
7	O1	.003873065	3883- 5883	.0785	193.18		.0808	29.98
8	NO1	.004026859	3883- 5883	.0153	152.12		.0091	65.64
9	P1	.004155259	3883- 5883	.0362	216.11	INF FR K1	.0361	143.36
10	K1	.004178075	3883- 5883	.1137	221.01		.1156	302.59
11	J1	.004329290	3883- 5883	.0067	263.89		.0078	132.13
12	001	.004483084	3883- 5883	.0027	197.96		.0025	345.04
13	UPS1	.004634299	3883- 5883	.0013	15.30		.0014	311.93
14	EPS2	.007617732	3883- 5883	.0019	43.94		.0021	192.42
15	MU2	.007768947	3883- 5883	.0057	292.20		.0059	135.60
16	N2	.007899925	3883- 5883	.0946	304.30		.1019	62.93
17	M2	.008051140	3883- 5883	.5873	338.00		.5874	268.47
18	L2	.008202355	3883- 5883	.0237	339.95		.0167	228.66
19	S2	.008333333	3883- 5883	.2175	25.31		.2176	25.18
20	K2	.008356149	3883- 5883	.0547	17.71	INF FR S2	.0556	.99
21	ETA2	.008507364	3883- 5883	.0069	41.95		.0087	17.31
22	MO3	.011924206	3883- 5883	.0051	11.00		.0055	130.27
23	M3	.012076710	3883- 5883	.0011	118.28		.0011	.05
24	MK3	.012229215	3883- 5883	.0073	317.07		.0063	321.09
25	SK3	.012511430	3883- 5883	.0028	339.89		.0022	61.34
26	MN4	.013951065	3883- 5883	.0012	163.06		.0013	224.17
27	M4	.016102280	3883- 5883	.0040	194.56		.0042	39.51
28	SN4	.016233258	3883- 5883	.0014	212.76		.0015	301.27
29	MS4	.016384473	3883- 5883	.0034	189.19		.0034	111.34
30	S4	.016666667	3883- 5883	.0013	211.94		.0013	211.99
31	2MK5	.020803555	3883- 5883	.0028	289.75		.0034	216.26
32	2SK5	.021084771	3883- 5883	.0006	87.91		.0006	116.26
33	2MN6	.024002280	3883- 5883	.0008	335.86		.0009	31.44
34	M6	.024153420	3883- 5883	.0014	344.17		.0014	111.59
35	2MS6	.024356613	3883- 5883	.0015	10.84		.0015	215.06
36	2SM6	.024717807	3883- 5883	.0005	92.18		.0005	14.39
37	3MK7	.028331495	3883- 5883	.0004	345.91		.0004	194.32
38	M8	.032045600	3883- 5883	.0001	225.86		.0001	275.76

AFTER INFERENCE, RMS(RESID ERROR)= .03766

CONSTITUENT ALP1 IS NOT IN ICTAB TABLE
CONSTITUENT UPS1 IS NOT IN ICTAB TABLE
CONSTITUENT EPS2 IS NOT IN ICTAB TABLE
CONSTITUENT ETA2 IS NOT IN ICTAB TABLE
CONSTITUENT 2MK5 IS NOT IN ICTAB TABLE
CONSTITUENT 2SK5 IS NOT IN ICTAB TABLE
CONSTITUENT 3MK7 IS NOT IN ICTAB TABLE



DATE June 15/83

TEMPORARY DEPLOYMENT WORK SHEET,
DATA SHEET AND PROCESSING SUMMARY
FOR 83-407-06 Prince Regent Inlet

65912

MARY OF INFORMATION RECEIVED

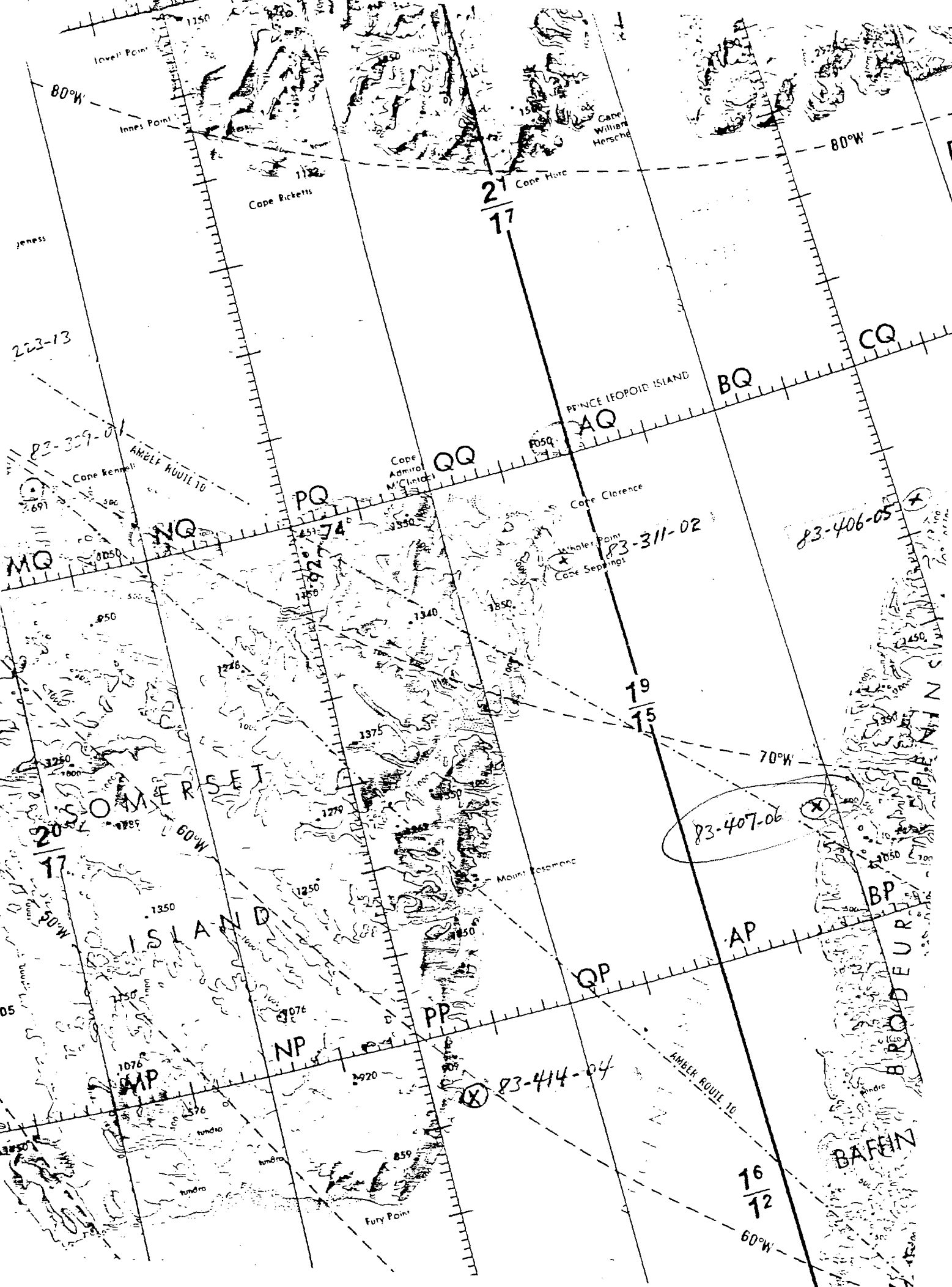
LOGUE RECORDS		COMPARISON FORM	
" MAGNETIC TAPE	✓	DEPLOYMENT FORM	✓
OM		CALIBRATION FORM	✓
ELLING NOTES		502 FORM	
CATION MAP	✓	B. M PHOTOGRAPHS	

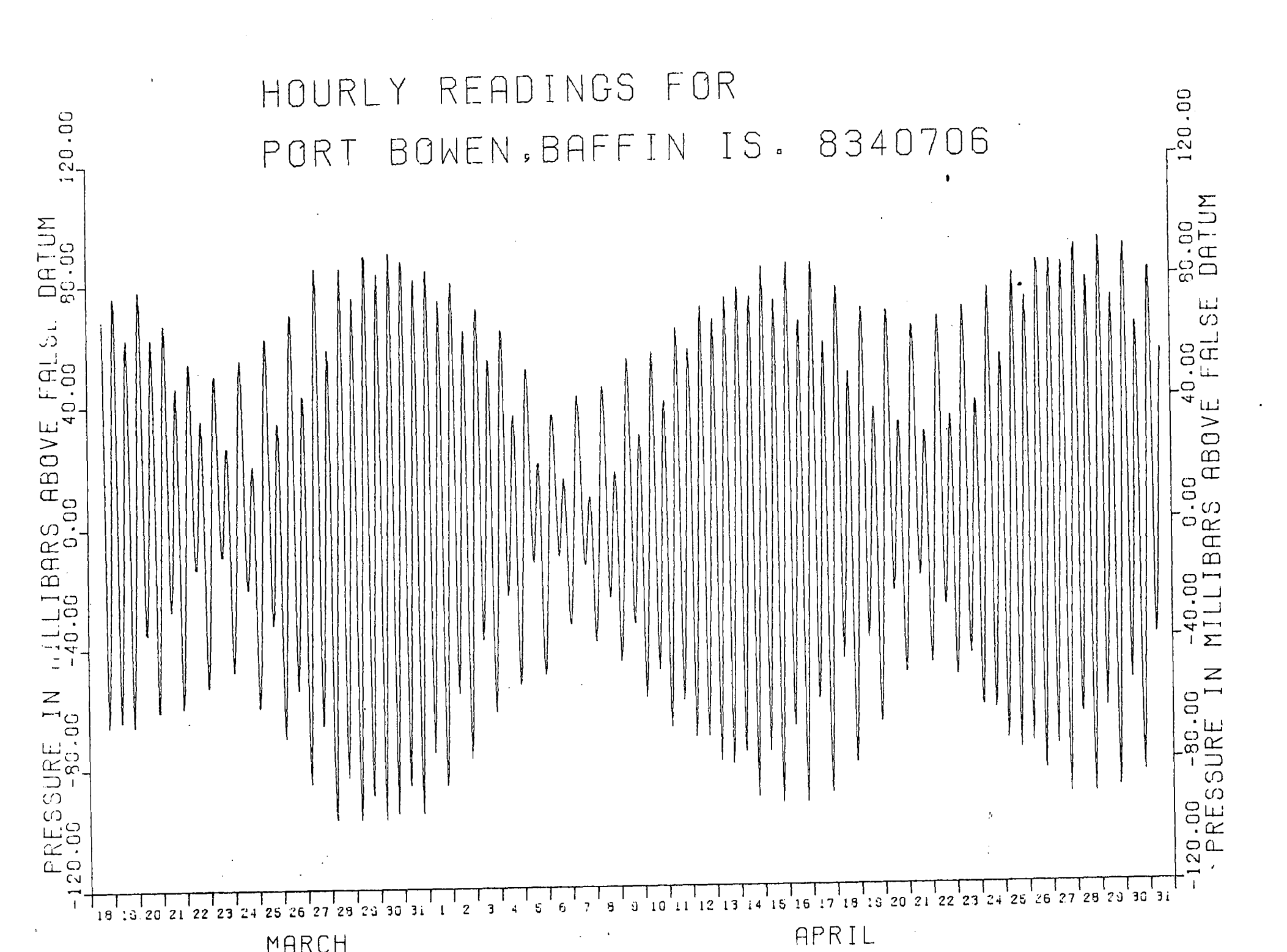
ERAL INFORMATION

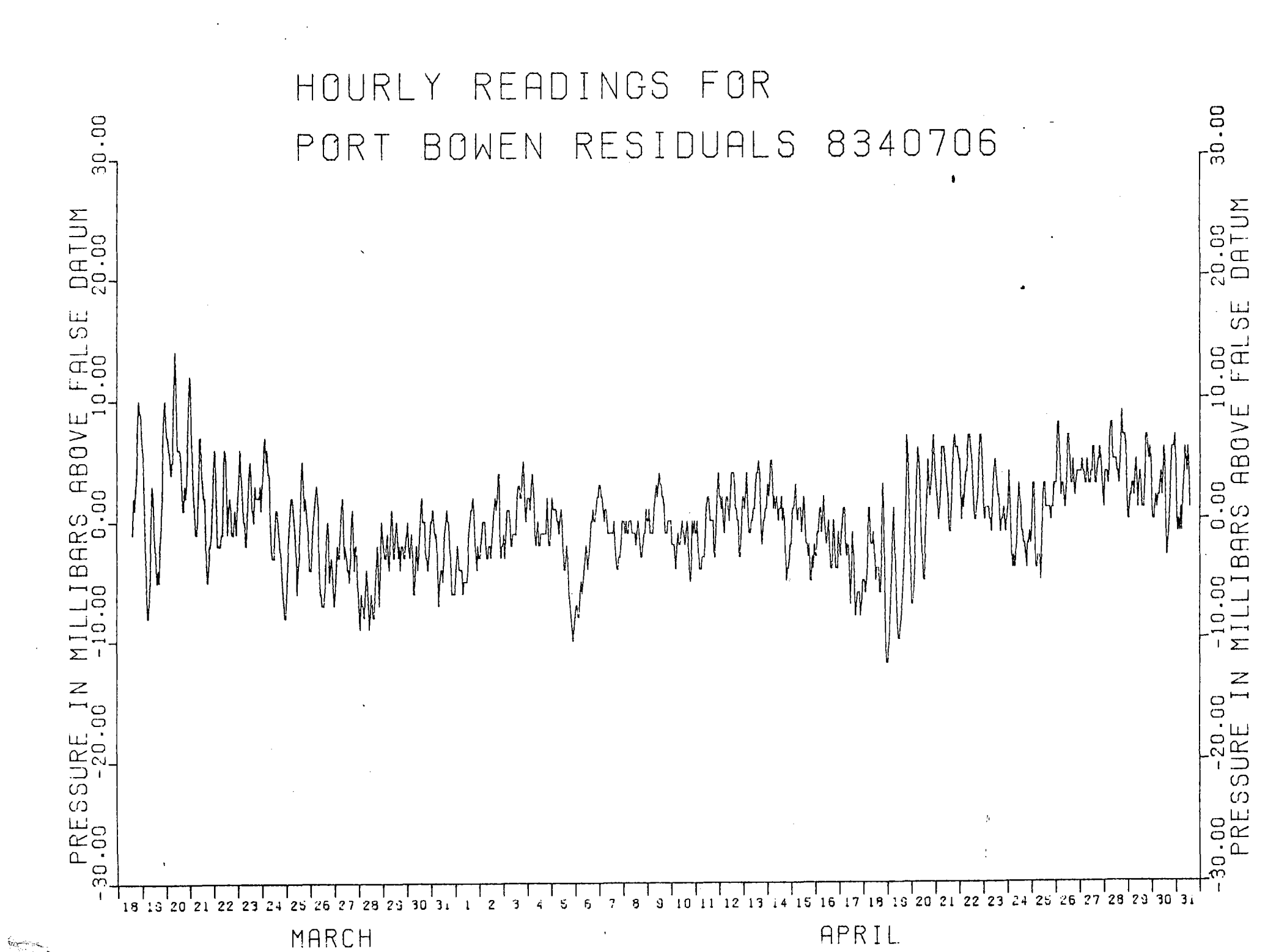
CATION Port Bowen, Baffin Island
ITUDE 73° 16.8' N
GITUDE 89° 02.5 W
E ZONE OF OBSERVATIONS CST
IOD OF RECORD: START(HHMM/DD/MM/YY) 1430/18/3/83 (077)
END (HHMM/DD/MM/YY) 1415/1/5/83 (121)
NO. OF DAYS OF DATA 44
NO. OF DAYS ANALYSED

DUCTION HISTORY

DATE RECEIVED May 2 '83
DATE PROCESSING COMPLETED Oct 18/83
DATE CHECKING COMPLETED Nov 11/83 DLL
DATE SENT TO H.Q.
DATE SENT TO MEDS
DATE RETURNED FROM MEDS
DATE FILE COMPLETED


80°W
Lovell Point
Innes Point
Cape Ricketts
Cape Hurd
Cape William Herschel
21/17
223-13
83-309-01
AMBER ROUTE 10
Cape Kennell
PRINCE LEOPOLD ISLAND
BQ
CQ
AQ
QQ
PQ
NQ
MQ
Cape Admiral M'Clintock
Cape Clarence
Whaler Point
Cape Seppings
83-311-02
83-406-05
74
19/15
70°W
SOMERSET ISLAND
20/17
60°W
50°W
83-407-06
Mount Rosemond
BP
AP
QP
PP
NP
MP
83-414-04
AMBER ROUTE 10
BAFFIN
16/12
60°W
Fury Point
tundra


HOURLY READINGS FOR
PORT BOWEN, BAFFIN IS. 8340706
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
120.00
80.00
40.00
0.00
-40.00
-80.00
-120.00
MARCH
APRIL


HOURLY READINGS FOR
PORT BOWEN RESIDUALS 8340706
PRESSURE IN MILLIBARS ABOVE FALSE DATUM
30.00
20.00
10.00
0.00
-10.00
-20.00
-30.00
18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
MARCH
APRIL

FORM 3

PROCESSING CHECKLIST FOR SUBMERSIBLE TIDE GAUGE
AT SP3 - 407-06

1. Gauge data: Model WLR5 A Range 0 - 130 m

Sampling interval 15 min Integration time 56 sec.

Calibration: Pressure: Date _____ Units PSI

Coefficients _____ a 2467.061

_____ b 1463.241

_____ t_o 33133389.362

_____

Temperature : Date _____ Baseword _____

Coefficients _____

_____

_____

_____

2. Processing data:

Translator CCIW - 2K resistor

First data on Tape (time and day) 2000/171/83

First pressure words and time after deployment 201 718 (1430/077)

First pressure words & time after recovery 182 487 (1445/121)

3. Results: 1. Pressure - maximum 964.32 minimum 772.07

range 192.25 offset _____

2. Plots data - hourly _____ residuals _____

3. Processing problems

_____

_____

_____

_____

_____

_____

4. Master Filing _____

AANDERAA TIDE GAUGE

DEPLOYMENT AND RECOVERY FORM

GAUGE NO: 407

TIME ZONE USED: CST

SAMPLING INTERVAL: 15 min - 56 sec

PREPARATION

INITIALIZATION DATE(DMY): 12/03/83
TIME RESET: 19:59:31
FIRST FIRE: 20:00:29
THREAD TAPE: 1915
FIRST READING ON TAPE: 2000
SECOND READING ON TAPE: 2015

DIGI-PRINTER READINGS:

TIME	READINGS
2000	127
	1
	183
	1
2015	127
	1
	183
	1
2030	127
	1
	182
	1020
2045	127
	1
	182
	1022

DEPLOYMENT

DEPLOYMENT DATE(DMY): 18/3/83
TIME IN WATER: 1418
TIME ON BOTTOM: 1419

LOCATION

LAT: 73-16.8 N
LONG: 89-02.5 W
OTHER: Port Bowen Baffin Island

RECOVERY

RECOVERY DATE(DMY): 1/5/83
TIME LEFT BOTTOM: 1429
TIME OUT OF WATER: 1930
TIME OF LAST FIRE: 1945 1/5/83

12/03/83
407

1930

TIME	1915	1930
READINGS	127	127
	160	160
	183	183
	363	362
TIME		
READINGS		

2000

2015

S

2030

2045

PRESSURE SENSOR SERIAL 673

AMBIENT CONDITIONS: TEMPERATURE (DEG.C) 22.0
PRESSURE (MM OF HG.) 751.10
DEW POINT (DEG.C+-1) 7.

	CH.3	CH.4	PERIOD		PRESSURE		APPROXIMATION		DEVIATION
1	199.	63.	0.3349567D	7	0.2647527D	2	0.2647527D	2	0.00000
2	212.	746.	0.3363562D	7	0.3647647D	2	0.3647439D	2	-0.00208
3	226.	598.	0.3377750D	7	0.4647967D	2	0.4647685D	2	-0.00282
4	240.	642.	0.3392130D	7	0.5648306D	2	0.5647881D	2	-0.00425
5	254.	881.	0.3406705D	7	0.6648626D	2	0.6647926D	2	-0.00700
6	269.	301.	0.3421485D	7	0.7648747D	2	0.7648183D	2	-0.00564
7	283.	954.	0.3436474D	7	0.8649074D	2	0.8648590D	2	-0.00484
8	298.	791.	0.3451671D	7	0.9649104D	2	0.9648749D	2	-0.00355
9	313.	849.	0.3467089D	7	0.1064943D	3	0.1064917D	3	-0.00256
10	329.	111.	0.3482735D	7	0.1164996D	3	0.1164996D	3	0.00000
11	344.	618.	0.3498602D	7	0.1265027D	3	0.1265031D	3	0.00035
12	360.	340.	0.3514708D	7	0.1365039D	3	0.1365099D	3	0.00595
13	376.	300.	0.3531052D	7	0.1465072D	3	0.1465156D	3	0.00843
14	392.	505.	0.3547641D	7	0.1565105D	3	0.1565209D	3	0.01044
15	408.	957.	0.3564477D	7	0.1665137D	3	0.1665232D	3	0.00950
16	425.	644.	0.3581572D	7	0.1765149D	3	0.1765257D	3	0.01078
17	442.	595.	0.3598931D	7	0.1865181D	3	0.1865273D	3	0.00918
18	459.	808.	0.3616552D	7	0.1965184D	3	0.1965229D	3	0.00451
19	477.	285.	0.3634461D	7	0.2065216D	3	0.2065231D	3	0.00154
20	495.	62.	0.3652670D	7	0.2165301D	3	0.2165301D	3	-0.00000

PRESSURE = A*(1-X0/X) - B*(1-X0/X)**2
X = PERIOD AVERAGE=CH3*1024+CH4+3*1024**2 PRESSURE IN P.S.I.A.

X0 = 3313389.362 A = 2467.061 B = 1463.242

R.M.S. ERROR OF FIT =0.006

STATION NUMBER	NAME	ZONE	LAT	LONG	ANALYSIS LENGTH	C.T.
6F912	PORT POWER, BAFFIN IS.	CST	7317 NORTH	6903 WEST	44 DAYS	1983 MCYR

REFERENCE STATION - 5F60

Z0 .039 (C.T. 483)

CONSTITUENT	AMPLITUDE	PHASE	GMT	CONSTITUENT	AMPLITUDE	PHASE
MM	.011	89.5		MSF	.029	172.7
2Q1	.002	54.3		Q1	.014	176.8
O1	.106	201.8		NO1	.022	170.3
P1	.052	239.7		K1	.163	244.6
J1	.010	284.4		CO1	.005	233.7
MU2	.006	299.8		N2	.088	309.8
M2	.555	344.4	158.3	L2	.022	341.3
S2	.210	33.3		K2	.053	25.7
MO3	.004	4.7		M3	.003	152.8
MK3	.001	47.1		SK3	.003	307.6
MN4	.001	175.9		M4	.004	195.1
SN4	.002	202.4		MS4	.003	186.6
S4	.001	225.8				
2MN6	.001	253.8		M6	.002	280.9
2MS6	.004	320.9		2SM6	.002	15.9

AGE	M2/S2	AGE	K1/O1	DL-SD	DL	SD	DL/SD	DL+SD
49	2.64	43	1.54	53	.20	.60	.33	.80

MEAN TIDES, TIMES AND HEIGHTS

1228	.75	2425	.46	1344	-.47	549	-.76
HHW		LHW		HLW		LLW	

LARGE TIDES		RANGES	
1.04	-1.17	1.50	2.20
HHW	LLW	MT	LT

AMPLITUDE VALUES ARE EXPRESSED IN DECIBARS
DATE AND TIME OF THE COMPUTER RUN 83/11/16. - 13.23.15.

INPUT DATA IOUT1,IMODE, ICHK,NSTA... DAYCRT ZCRF ORSEAC
6 3 3 0 1.00000 0.00000 0.00000

INFERENCE PAIRS

K1	.4178074620E-01	P1	.4155298719E-01	.31795	4.90000
S2	.8333333330E-01	K2	.8356149240E-01	.25131	7.60000

STATION 65912 PRELIMINARY RESULTS

	CONSTITUENT	FREQUENCY	C	ERR	S	ERR
1	ZO	0.0000000	.009	.001	0.000	.000
2	MM	.0015121	-.007	.002	-.009	.002
3	MSF	.0028219	-.010	.002	-.027	.002
4	ALP1	.0343965	.003	.002	-.002	.002
5	2Q1	.0357064	.001	.002	-.002	.002
6	Q1	.0372185	-.012	.002	-.008	.002
7	O1	.0387306	.007	.002	.020	.002
8	NO1	.0402685	.009	.002	.005	.002
9	K1	.0417807	.008	.002	.117	.002
10	J1	.0432929	-.007	.002	.001	.002
11	OO1	.0448308	.001	.002	-.001	.002
12	UPS1	.0463429	.001	.002	-.002	.002
13	EPS2	.0761773	.002	.002	.000	.002
14	MU2	.0776895	.000	.002	.000	.002
15	N2	.0789992	.002	.002	.047	.002
16	M2	.0805114	-.466	.002	-.266	.002
17	L2	.0820235	-.015	.002	.006	.002
18	S2	.0833333	-.211	.002	-.033	.002
19	ETA2	.0850736	-.005	.002	.007	.002
20	MO3	.1192422	.000	.002	.003	.002
21	M3	.1207671	.000	.002	.000	.002
22	MK3	.1222992	.011	.002	-.003	.002
23	SK3	.1251141	.002	.002	-.003	.002
24	MN4	.1595106	-.001	.002	.000	.002
25	M4	.1610228	.001	.002	-.004	.002
26	SN4	.1625328	-.001	.002	-.004	.002
27	MS4	.1638447	.001	.002	-.004	.002
28	S4	.1666667	-.000	.002	.000	.002
29	2MK5	.2028035	.002	.002	-.003	.002
30	2SK5	.2084477	.001	.002	-.003	.002
31	2MN6	.2400220	.000	.002	.000	.002
32	M6	.2415342	-.001	.002	-.004	.002
33	2MS6	.2443561	.004	.002	-.004	.002
34	2SM6	.2471781	-.001	.002	.002	.002
35	3MK7	.2833149	.000	.002	-.003	.002
36	M8	.3220456	-.000	.002	-.003	.002

NUMBER OF VALID DATA = 1069 AVERAGE = .01 STANDARD DEVIATION = .47

THEORETICAL RMS = .05 MATRIX CONDITION = .37

RMS OF THE RESIDUES= .24563

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 65912 15H 13/ 3/83 TO 14H 1/ 5/8

NO.OBS.= 1056 NO.PTS.ANAL.= 1056 MIDPT=14H 3/ 4/83 SEPARATION =1.0

TIME ZONE= CST LATITUDE=73D 17N LONGITUDE= 89D 31 REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/ M-Y	A	G	AL	GL
1	Z0	0.00000000	383- 583	.0092	0.00	.0092	0.00
2	MM	.00151215	383- 583	.0110	89.50	.0110	233.62
3	MSF	.00282193	383- 583	.0292	172.68	.0292	250.29
4	ALP1	.03439657	383- 583	.0036	88.59	.0039	37.60
5	2Q1	.03570635	383- 583	.0018	54.31	.0020	296.36
6	Q1	.03721850	383- 583	.0140	176.80	.0143	222.30
7	O1	.03873065	383- 583	.1062	201.78	.1092	10.69
8	NO1	.04026859	383- 583	.0219	170.34	.0130	44.95
9	K1	.04178075	383- 583	.1210	236.63	.1230	238.12
10	J1	.04329290	383- 583	.0097	294.38	.0112	131.46
11	OO1	.04483084	383- 583	.0046	233.70	.0044	343.51
12	UPS1	.04634299	383- 583	.0017	36.95	.0018	300.22
13	EPS2	.07617732	383- 583	.0030	56.42	.0036	61.05
14	MU2	.07768947	383- 583	.0059	299.81	.0060	87.28
15	N2	.07899925	383- 583	.0875	309.82	.0942	31.57
16	M2	.08051140	383- 583	.5554	344.45	.5555	208.95
17	L2	.08202355	383- 583	.0222	341.33	.0157	170.96
18	S2	.08333333	383- 583	.2557	28.75	.2556	328.62
19	ETA2	.08507364	383- 583	.0067	54.77	.0084	125.31
20	MO3	.11924206	383- 583	.0044	4.74	.0045	33.15
21	M3	.12076710	383- 583	.0026	152.81	.0026	303.61
22	MK3	.12229215	383- 583	.0011	47.14	.0011	323.15
23	SK3	.12511408	383- 583	.0033	307.59	.0031	298.96
24	MN4	.15951065	383- 583	.0012	175.95	.0013	122.11
25	M4	.16102280	383- 583	.0039	195.07	.0039	264.09
26	SN4	.16233258	383- 583	.0016	202.45	.0017	224.07
27	MS4	.16384473	383- 583	.0032	136.62	.0032	351.19
28	S4	.16666667	383- 583	.0015	225.78	.0015	105.32
29	2MK5	.20280355	383- 583	.0038	274.75	.0039	55.37
30	2SK5	.20844741	383- 583	.0005	62.43	.0005	353.65
31	2MN6	.24002205	383- 583	.0010	259.85	.0011	70.61
32	M6	.24153420	383- 583	.0020	280.91	.0020	234.4[illegible]
33	2MS6	.24435613	383- 583	.0037	320.91	.0037	343.7[illegible]
34	2SM6	.24717807	383- 583	.0018	15.87	.0016	120.1[illegible]
35	3MK7	.28331495	383- 583	.0005	315.33	.0005	320.35
36	M8	.32204560	383- 583	.0002	43.49	.0002	221.5[illegible]

ANALYSIS OF HOURLY TIDAL HEIGHTS STN 65912 15H 13/ 3/83 TO 14H 1/ 5/8

NO.OBS.= 1056 NO.PTS.ANAL.= 1056 MIDPT=14H 9/ 4/83 SEPARATION =1.0

TIME ZONE= CST LATITUDE=73D 17M LONGITUDE= 89D 3M REF. STATION= 5560

NO.	NAME	FREQUENCY	M-Y/	M-Y	A	G		AL	GL
1	Z0	0.000000000	383-	583	.0092	0.00		.0092	0.00
2	MM	.001512115	383-	583	.0110	89.50		.0110	233.62
3	MSF	.002821093	383-	583	.0292	172.68		.0292	253.29
4	ALP1	.034396570	383-	583	.0036	68.59		.0039	37.60
5	2Q1	.035706350	383-	583	.0018	54.91		.0026	296.56
6	Q1	.037218500	383-	583	.0140	176.80		.0148	262.30
7	O1	.038730650	383-	583	.1062	201.78		.1092	10.69
8	NO1	.040268590	383-	583	.0219	170.34		.0130	44.95
9	P1	.041552590	383-	583	.0518	239.75	INF FR K1	.0517	137.58
10	K1	.041780750	383-	583	.1628	244.65		.1655	296.14
11	J1	.043292900	383-	583	.0097	284.38		.0112	131.46
12	001	.044830840	383-	583	.0046	233.70		.0044	348.51
13	UPS1	.046342990	383-	583	.0017	36.95		.0018	300.22
14	EPS2	.076177320	383-	583	.0030	56.42		.0033	61.05
15	MU2	.077668940	383-	583	.0059	299.81		.0060	87.28
16	N2	.078999250	383-	583	.0875	309.82		.0942	31.57
17	M2	.080511400	383-	583	.5555	344.45		.5555	208.95
18	L2	.082023550	383-	583	.0222	341.33		.0157	170.96
19	S2	.083333330	383-	583	.2104	33.27		.2105	333.14
20	K2	.083561490	383-	583	.0529	25.67	INF FR S2	.0538	308.78
21	ETA2	.085073640	383-	583	.0067	54.77		.0084	125.91
22	MO3	.119242060	383-	583	.0044	4.74		.0045	38.15
23	M3	.120767100	383-	583	.0026	152.81		.0026	300.64
24	MK3	.122229210	383-	583	.0011	47.14		.0011	323.15
25	SK3	.125114090	383-	583	.0033	307.59		.0034	298.96
26	MN4	.159510660	383-	583	.0012	175.85		.0013	22.11
27	M4	.161022800	383-	583	.0039	193.07		.0039	284.09
28	SN4	.162332580	383-	583	.0016	202.45		.0017	274.07
29	MS4	.163844730	383-	583	.0032	186.82		.0032	351.19
30	S4	.166666670	383-	583	.0015	225.78		.0015	11.52
31	2MK5	.200280350	383-	583	.0038	274.75		.0039	55.27
32	2SK5	.208447410	383-	583	.0005	62.43		.0005	353.68
33	2MN6	.240822050	383-	583	.0010	259.85		.0011	70.51
34	M6	.241534200	383-	583	.0020	230.91		.0020	234.43
35	2MS6	.244356130	383-	583	.0037	320.91		.0037	340.79
36	2SM6	.247178070	383-	583	.0018	115.87		.0018	120.12
37	3MK7	.253314950	383-	583	.0005	315.33		.0005	325.35
38	M8	.322045610	383-	583	.0002	-3.48		.0002	221.51

AFTER INFERENCE, RMS(RESID ERROR) = .3816

CONSTITUENT ALP1 IS NOT IN ICTAB TABLE
CONSTITUENT UPS1 IS NOT IN ICTAB TABLE
CONSTITUENT EPS2 IS NOT IN ICTAB TABLE
CONSTITUENT ETA2 IS NOT IN ICTAB TABLE
CONSTITUENT 2MK5 IS NOT IN ICTAB TABLE
CONSTITUENT 2SK5 IS NOT IN ICTAB TABLE
CONSTITUENT 3MK7 IS NOT IN ICTAB TABLE

65912 PORT BOWEN,BAFFIN IS. CST 73 17 89 [illegible] - X 44 483 [illegible]

65912	9	[illegible]	CST	483	Z0	0
65912	106	2018	CST	483	O1	1
65912	163	2446	CST	483	K1	2
65912	255	34[illegible]	CST	483	M2	3
65912	210	333	CST	483	S2	4
65912	4	1951	CST	483	M4	5
65912	3	1866	CST	483	MS4	6
65912	89	3098	CST	483	N2	8
65912	11	895	CST	483	MN	10
65912	14	1768	CST	483	Q1	12
65912	10	2944	CST	483	J1	13
65912	5	2337	CST	483	OO1	14
65912	6	2998	CST	483	MU2	15
65912	22	3413	CST	483	L2	16
65912	22	1703	CST	483	NO1	17
65912	1	1759	CST	483	MN4	18
65912	0	435	CST	483	M8	19
65912	4	886	CST	483	ALP1	21
65912	2	543	CST	483	2Q1	22
65912	52	2397	CST	483	P1	23
65912	2	370	CST	483	UPS1	33
65912	3	564	CST	483	EPS2	35
65912	53	257	CST	483	K2	44
65912	7	548	CST	483	ETA2	45
65912	3	1528	CST	483	M3	46
65912	4	47	CST	483	MO3	50
65912	1	471	CST	483	MK3	52
65912	3	3076	CST	483	SK3	53
65912	2	2024	CST	483	SN4	54
65912	1	2258	CST	483	S4	56
65912	4	2748	CST	483	2MK5	58
65912	1	624	CST	483	2SK5	59
65912	1	2598	CST	483	2MN6	60
65912	2	2809	CST	483	M6	61
65912	4	3209	CST	483	2MS6	62
65912	2	159	CST	483	2SM6	64
65912	1	3153	CST	483	3MK7	66
65912	29	1727	CST	483	MSF	68