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An Update of the Statistics of Oceanographic Data based on Hydrographic/CTD casts made at Stations 1 through 6 along Line P during January 1959 through September 1990

by
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Canadian Data Report Of Hydrography and Ocean Sciences

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DURING JANUARY 1959 THROUGH SEPTEMBER 1990

by

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ABSTRACT

Tabata, S. and W.E. Weichselbaumer. 1992. An update of the statistics of oceanographic data based on hydrographic/CTD casts made at Stations 1 through 6 along Line P during January 1959 through September 1990. Can. Data Rep. Hydrogr. Ocean Sci. 108:317 pp.

A new set of statistics of hydrographic/CTD data, based on observations made at Stations 1 through 6 along Line P during January 1959 through September 1990, has been compiled. As has been the case for the previous compilation, the statistics (mean, standard deviation, minimum and maximum values and number of observations) are presented in two main groups. In one, values at each "standard" pressure level (0, 10, 20, ..., 4200 decibars) are provided; in the second, information on σ_t -surfaces, at intervals of 0.2 unit (25.0, 25.2, 25.4,..., 27.0) and at finer intervals for water at greater depths, is given. The water properties and parameters considered are: temperature, salinity, dissolved oxygen content (oxyty), depth, σ_t , specific volume anomaly, potential temperature, "potential" specific volume anomaly, dynamic height (relative to the surface and to the 1000-decibar level), potential energy (relative to the surface), sound speed and acceleration potential (relative to the 1000-decibar level). Overall statistics (using all data) and mean monthly values are presented.

key words: North Pacific Ocean, open-ocean time series, hydrographic/CTD data, ocean climatology.

RÉSUMÉ

Tabata, S. and W.E. Weichselbaumer. 1992. An update of the statistics of oceanographic data based on hydrographic/CTD casts made at Stations 1 through 6 during January 1959 through September 1990. Can. Data Rep. Hydrogr. Ocean Sci. 108:317 pp.

Une nouvelle collection de statistiques des données hydrographiques (CTD), basée sur les observations prises aux stations 1 à 6 le long de la Ligne P pendant la période de janvier 1959 à septembre 1990, a été compilée.

Comme ce fût le cas pour la compilation précédente, les statistiques (moyenne, écart type, valeurs minimum et maximum, et nombre d'observations) sont présentées en deux groupes. L'un donne les valeurs à chaque niveau de pression "standard" (0, 10, 20 ..., 4200 décibars). L'autre fournit des informations sur les surfaces de σ_t à des intervalles de 0.2 unité (25.0, 25.2, 25.4 ..., 27.0) et à des intervalles plus rapprochés en eau plus profonde. Les propriétés de l'eau et les paramètres considérés sont: température, salinité, oxygène dissous, profondeur, température potentielle, anomalie spécifique de volume, hauteur dynamique (relative à la surface et au niveau de 1000-décibars) énergie potentielle (relative à la surface), vitesse du son, et potentiel d'accélération (relatif au niveau de 1000-décibars). Les statistiques globales (en utilisant toutes les données) et les valeurs moyennes mensuelles, sont aussi présentées.

Mots-clés: océan Pacifique Nord, séries chronologiques du milieu océanique, données hydrographiques/CTD, climat océanique.

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Anderson, A. (1)	PBS	Juhasz, T. (5)
Ashton, H.J. (3)	uc	Karowe (2) WHOI
Batchelder, H. (2)	OSU	Knox, M. (2) U Wash
Bellegay, R.D. (24)		LeBrasseur, R. (1) PBS
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Binks, J. (1)	CWS	Macdonald, D. (2)
Bradley, B. (1)	NCAR	McIntosh, L. (5) UV, PG
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Burns, K. (1)	U Car.	Manganini, S. (6) WHOI
Bychkov, A. (1)	POI	Meikle, J. (2)
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Candela, J. (1)	CICESE	Minkley, B.G. (24)
Canning, B. (1)		Moat, A. (2) te
Colegrave, C. (1)	s	Moore, D. (1)
Curran, T. (1)		Mullin, T. (1)
Damtoft, M. (1)	s	Olsen, R. (1) U Miami
De Jong, C. (7)		Osterman, R. (1) WHOI
Demsey, M. (1)	s	Pariniuk, M. (1) uc
Denman, K.L. (1)		Pavlova, G. (1) POI
Duffy, T. (1)	AES	Powell, C. (1) s
Earme, A. (1)	s	Powers, T. (3)
Engemoen, D. (1)	AES	Quay, P. (1) U Wash
Forbes, J.R. (1)		Rendell, C. (1) uc
Forgie, W. (1)	te	Ridal, J. (1) s
Forsland, V. (2)	uc	Riske, L.W. (1) s
Glennie, C. (1)	MEDS	Rome, E. (1) PBS
Goldberg, H. (3)	uc	Schneider, B. (1) s
Hanks, D. (2)	s	Sirois, J. (1) CWS
Hill, C. (1)		Smith, G. (1)
Hofland, A. (1)	uc	Soutar, T. (22)
Hwang, G. (1)	s	Spear, D. (1) MEDS
Ibadulyayev, O. (1)	POI	Spearing, L.A.F. (12)
Iseki, K. (8)	uc	Spencer, A. (1) WHOI
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Swartz, U. (4) uc	Waring, W. (1) PBS uc
Szabo, I. (2) uc	Welch, K. (1) s
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Tappa, E. (5) WHOI	Whitney, F. (12)
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Tichchenko, P. (1) POI	Yelland, D. (13)
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Tuele, D. (1)	Zheng, M.S. (1) TIO
Vermeer, K. (1) CWS	

Abbreviations used:

AES:	Atmospheric Environment Service
Car:	Carolina (USA)
CICESE:	Centro de Investigacion Cientifica Y Educacion Superior de Ensenada (Mex)
CWS:	Canadian Wildlife Service
MEDS:	Marine Environmental Data Service
Mex:	Mexico
NCAR:	National Centre for Atmospheric Research (USA)
OSU:	Oregon State University (USA)
PBS:	Pacific Biological Station
PG:	B.C.: Provincial Government
SIO:	Scripps Institution of Oceanography (USA)
SU:	Soviet Union
s:	student
te:	term employee
TIO:	Third Institute of Oceanography (China)
uc:	under contract
U:	University
UBC:	University of B.C.
UV:	University of Victoria
USA:	United States of America
WHOI:	Woods Hole Oceanographic Institution (USA)

The following ships participated in the program:

CSS Parizeau (23):	Masters:	B. Newton (3) A. Chamberlain (9) P. Frost (7) J. Anderson (2) S. Gulati (1) J. Campbell (1)
CSS J.P. Tully (3):	Masters:	B. Newton (2) J. Anderson (1)
CSS W.E. Ricker (2):	Master:	A.J. Ranger (2)
CFS Endeavour (8)	Masters:	S. Bowles (2) W. McMunagle (6)

The number in brackets following a name represents the number of cruises that a person or ship/master made. The affiliations of the observers not connected with the Institute of Ocean Sciences are indicated.

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We are grateful to all the people mentioned above and in the earlier publications and to the crew of the ships for contribution to the acquisition of the ocean time-series data.

INTRODUCTION

In recent years the importance of the oceans to global climatic changes has been given much attention and consequently the study of the oceans from this standpoint has received major consideration in global climate studies. This shift in emphasis has resulted in the need for examining the ocean within a greater time frame than was done previously. However, long ocean time-series data are not readily available except for a small number of areas - Station P and Line P (between the Pacific coast of Canada and Station P) off the Pacific coast of Canada, the CALCOFI lines of stations off California, in the Kuroshio region off Japan, Station S off Bermuda and Station M in the Norwegian Sea.

Although bathythermograph observations were made at 2-hourly intervals or every degree of longitude (approximately 72 kilometres) along Line P from July 1952 (Pacific Oceanographic Group, 1957), regular oceanographic stations along Line P were not established until January 1959. To date there is a little more than 30 years of oceanographic data available for the Line. The 12 stations along Line are shown in Figure 1. The program of observations for the Line has changed from time to time as indicated in Table 1. It has been occupied at regular intervals of approximately 6 weeks while the weatherships were in service; however, with their withdrawals in June 1981 it has been occupied at much less interval, usually 3 to 4 times per year. Since this date the number of stations along the Line for each cruise has doubled that of the previous period. Most of these stations lie midway between those shown in Figure 1. It is of interest to note that while only data from one cast were available for each station for November during the previous period, several are accessible after June 1981.

The statistics of representative oceanographic data for Station P and Line P, based on observations made during August 1956 through June 1981 by Canadian weatherships have been published previously (Tabata and Peart, 1985a; 1985b; 1986). The updated statistics for Station P (P26) were just recently published (Tabata and Weichselbaumer, 1992). The present report contains an update of statistics for Stations 1 through 6 of the Line reported earlier in 1985 (Tabata and Peart, 1985b).

DATA RECORD

The original physical oceanographic data, both raw and derived quantities, are kept on file at the Institute of Ocean Sciences. A copy of the raw data is archived at the Marine Environmental Data Services Branch of the Department of Fisheries and Oceans of Canada (1202-200 Kent Street, Ottawa, Ontario, Canada, K1A 0E6). They are based on hydrographic and CTD casts made along 6 stations on Line P during January 1959 through September 1990. Not all the data archived have been used in the compilation of statistics. Firstly, only the observations made within 15 kilometres of the designated positions (Table 2) were utilised. Secondly, data determined by us to be of questionable quality have been removed from the set before analysis. They were "edited" out during the initial stage of data-processing, that is, before the data were processed for archiving. Such "erroneous" data may consist of, in the case of hydrographic casts, values of temperature, salinity and

dissolved oxygen content at depth which exceeded 2 times the standard deviation of the corresponding cruise mean (determined over observations during the 6-week period). When the period was short, say over few to several days, values that exceeded 3 times the standard deviation of the corresponding long-term mean were not considered. Usually, the errors were attributed to leaking sampling bottles and were detected by use of the temperature-salinity-oxygen relationship. For CTD casts deleted data would include values that suffered from a consistent shift in the temperature/salinity distribution with depth. Such a shift was attributable to the drift in the CTD system.

STATISTICS

The statistics presented here are the derived physical oceanographic data at each "standard" pressure level (0, 10, 20, ..., 4200 decibars) and on selected σ_t -surfaces at 0.2 intervals (24.0, 24.2, 24.4, ..., 27.4) and at smaller intervals for water at greater depths. The properties and parameters of water selected for compilation are: temperature, salinity, oxyty, σ_t , specific volume anomaly, potential temperature, "potential" specific volume anomaly, dynamic height relative to the surface and 1000-decibar level, potential energy relative to the surface, sound speed, depth of σ_t surfaces and acceleration potential relative to the 1000-decibar surface. For each parameter the mean, standard deviation, maximum and minimum values, and number of observations are tabulated.

Statistics based on all data (not on 12 mean monthly values), as well as mean monthly values are presented. The abbreviations and units of variables used are given in Table 3.

It is to be noted that for low σ_t values (<26.2) the statistics for water properties or parameters using all data do not necessarily reflect the true statistical character of the water. The reason for this is that during winter the upper layers of the ocean invariably attain a density sufficiently high that water with less than 26.2 no longer exists.

Unlike the statistics derived for Station P data which are based on observations taken regularly over the 34-year period, those for some of the stations along Line P are biased because of gaps in their time-series record. For instance, there are no data available at Stations 1 and 2 for 4 years (1960 through 1963). Very few data are available for the entire Line during mid-1966 to mid-1968.

As mentioned earlier the number of stations along Line P has doubled since June 1981. With only 9 years of records the resulting statistics may not be meaningful. As a result although they have been calculated and are available at the Institute they are not published.

REFERENCES

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- Tabata, S. and J.L. Peart. 1986. Statistics of oceanographic data based on hydrographic/STD casts made at Stations 7 through 12 along Line P during January 1959 through June 1981. Canadian Data Report of Hydrography and Ocean Sciences No. 43, 402 pp.
- Tabata, S. and W.E. Weichselbaumer. 1992. An update of hydrographic/CTD data taken at Ocean Station P (May 1956 -September 1990). Canadian Data Report of Hydrography and Ocean Sciences No. 107, 75 pp.

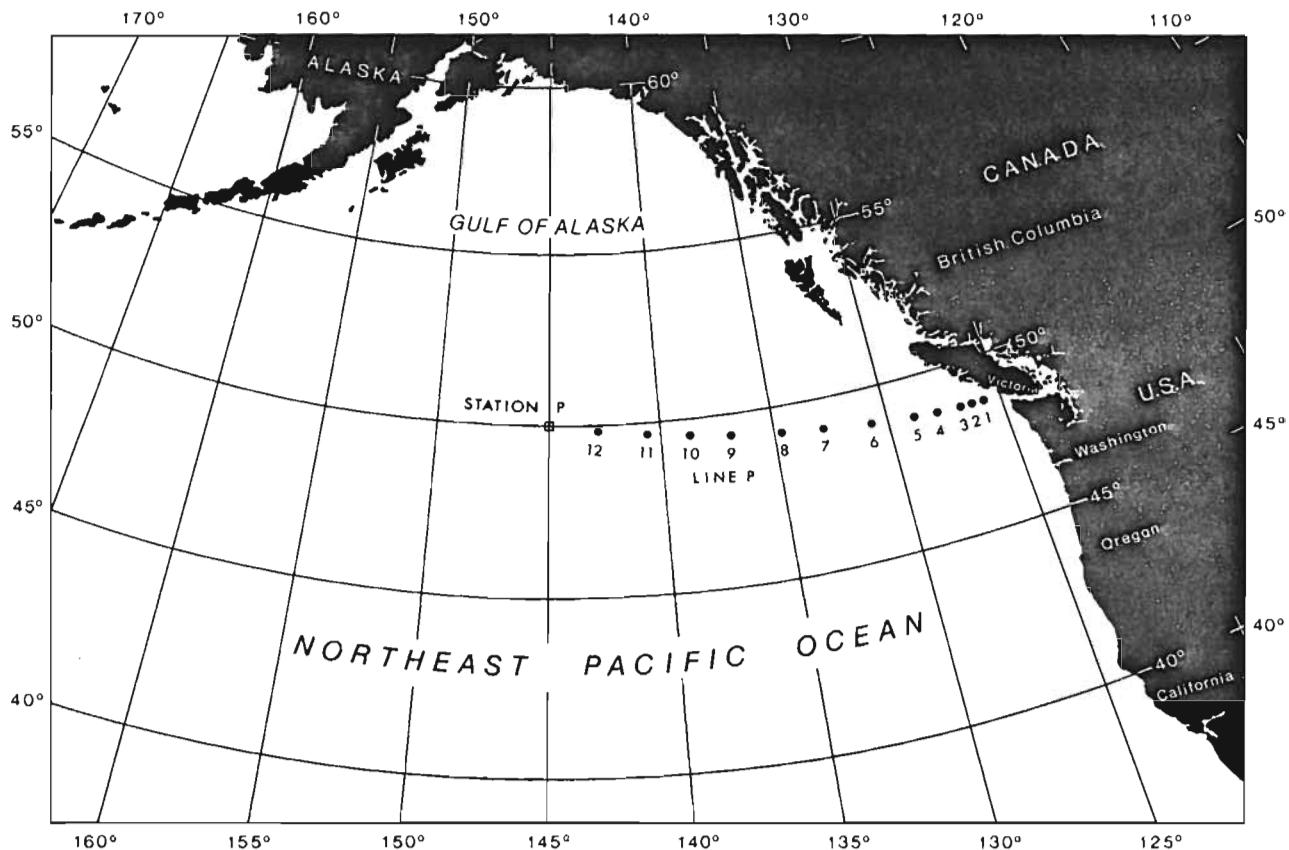


Figure 1. Location of Ocean Station P and Line P in the northeast Pacific Ocean.

Table. 1	A summary of oceanographic programs at Station P and Line P
December 1949	Occupation of Station P began. Station operated by U.S. Weather Bureau with vessels manned by U.S. Coast Guard. Bathythermograph casts started immediately and continued until November 1950.
December 1950	Occupation of Station P by Canadian weathership commenced.
July 1952	Twice-daily bathythermograph casts initiated and continued to June 1981.
July 1956	Oceanographic observations including hydrographic casts to maximum depth of 1200 metres (m), plankton hauls, etc. commenced. They were scheduled for one of the two weatherships and provide data through alternate six-week periods. The maximum was increased to 2000 m later but only in a few instances did the cast reach 2000 m during 1957 through 1959. However, one cast to 3000 m was recorded in 1957. Note that University of Washington obtained hydrographic casts to maximum depth of approximately 3500 m, 2500 m and 1000 m in May, June and July, respectively.
April 1959	Hydrographic casts at 5 stations along Line P initiated. However, a line of stations here was occupied by CNAV Oshawa in January 1959.
March 1959	Maximum depth of hydrographic casts at Station P increased to 4200 m.
May 1960	Positions of Line P stations altered.
February 1962	Number of stations along Line P increased to maximum of 10.
August 1964	Two more stations added to Line P.
April 1967	New weathership, CCGS Vancouver, replaced CCGS St. Catharines.
October 1967	Second, new weathership, CCGS Quadra, replaced CCGS Stonetown.
January 1969	Both weatherships commenced regular oceanographic observations.
April 1969	Bissett-Berman STD used for the first time. From this time onward both STD (or CTD), as well as hydrographic casts, were made.
April-October 1974	CSS Parizeau replaced CCGS Quadra while the latter was occupied with GATE program.
August 1974	Guildline CTD introduced to make observations.
August 1978	Plessey STD (previously called Bissett-Berman STD) used for the last time.
June 1981	Final series of observations made by the weathership (CCGS Quadra).
August 1981	From this month onward observations continued at Station P and Line P at intervals of 3-6 times per year. Number of stations along the line doubled.

Table 2. Particulars of oceanographic stations along Line P

Station Number Old New		Latitude (° N)	Longitude (° W)	Depth (m)	Distance between stations (km)	Remarks
1	P01	48 34.5	125 30.0	120	37	on continental shelf 32 km from nearest shore
2	P02	48 36.0	126 00.0	114	49	on continental shelf 48 km from nearest shore
3	P04	48 39.0	126 40.0	1300	74	on continental slope 74 km from nearest shore
4	P06	48 44.6	127 40.0	2500	73	edge of continental slope 109 km from nearest shore
5	P08	48 49.0	128 40.0	2440	147	154 km from nearest shore
6	P12	48 58.2	130 40.0	3300	146	233 km from nearest shore
7	P14	49 07.4	132 40.0	3275	145	
8	P16	49 17.0	134 40.0	3550	145	
9	P18	49 26.0	136 40.0	3775	145	
10	P20	49 34.0	138 40.0	3890	144	
11	P22	49 42.0	140 40.0	3880	144	
12	P24	49 50.2	142 40.0	3910	167	
P	P26	50 00.0	145 00.0	4200		Station Papa

Table 3	Abbreviations and units
CTD	conductivity-temperature-depth recorder formerly called salinity-temperature-depth recorder (STD)
S.D.	standard deviation
MAX	maximum
MIN	minimum
N	number of observations
PRESS	pressure, in decibars (db)
TEMPERATURE	in Celcius
SALINITY	in parts per thousand ‰
SIGMA T	specific gravity anomaly = $\sigma_t = (\rho_{T,S,0} - 1)10^3$, where $\rho_{T,S,0}$ = in-situ specific gravity of seawater at pressure = 0 (i.e. at the sea surface)
OXYGEN	oxyty or dissolved oxygen content, in mL L ⁻¹
SVA	specific volume anomaly ($10^5 \delta$), in 10^5 mL g ⁻¹
DEPTH	in metres
THETA	potential temperature, in °Celsius
SVA (THETA)	specific volume anomaly based on potential temperature, in 10^5 mL g ⁻¹
DELTA D	dynamic height relative to sea surface, in J kg ⁻¹ (J = Joules)
DELTA-DH	dynamic height relative to 1000-db surface in J kg ⁻¹
POT. ENERGY	potential energy relative to sea surface, in 10^8 ergs cm ⁻²
SOUND	sound speed, in m s ⁻¹
ACC. POT.	acceleration potential relative to 1000-db surface, in J kg ⁻¹ .

Table 4. Statistics of TEMPERATURE, SALINITY, SIGMA T, SVA, THETA, SVA (THETA), DELTA D, POT. ENERGY, OXYGEN and SOUND at standard pressures, using all data, for Station 1 (P01).

Table 4 : STATION MP01 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.55	1.899	15.60	5.89	210	31.594	.6789	32.834	28.830	210	
10	10.00	1.530	14.35	6.63	210	31.760	.6137	33.084	29.046	210	
20	9.29	1.124	12.65	6.27	209	32.034	.5161	33.166	30.392	209	
30	8.78	.930	11.83	6.72	208	32.307	.4924	33.481	30.572	208	
50	8.28	.954	12.38	6.68	206	32.751	.4524	33.735	31.663	206	
75	7.86	1.009	12.35	6.36	188	33.192	.4177	33.851	32.040	188	
100	7.52	1.023	12.27	6.19	126	33.479	.3450	33.914	32.416	126	
125	7.15	.695	9.51	6.13	30	33.707	.2225	33.939	32.880	30	
150	6.75	.320	7.26	6.43	6	33.891	.0244	33.924	33.862	6	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.212	.5897	25.437	21.898	210	371.8	56.24	592.8	255.0	210	
10	24.438	.5139	25.528	22.077	210	350.4	49.00	575.9	246.4	210	
20	24.772	.4325	25.763	23.413	209	318.8	41.19	448.3	224.5	209	
30	25.065	.4320	26.171	23.824	208	291.0	41.12	409.2	185.7	208	
50	25.487	.4493	26.439	24.319	206	251.1	42.77	362.5	160.7	206	
75	25.893	.4541	26.622	24.644	188	212.9	43.25	332.2	143.6	188	
100	26.167	.4109	26.693	24.671	126	187.3	39.18	330.1	137.1	126	
125	26.400	.2696	26.721	25.402	30	165.4	25.74	260.8	134.8	30	
150	26.602	.0523	26.651	26.509	6	146.5	5.04	155.5	141.9	6	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.55	1.899	15.60	5.89	210	371.8	56.24	592.8	255.0	210	
10	10.00	1.530	14.35	6.63	210	350.2	48.99	575.6	246.4	210	
20	9.29	1.125	12.65	6.27	209	318.4	41.18	447.9	224.1	209	
30	8.78	.930	11.83	6.72	208	290.5	41.11	408.7	185.3	208	
50	8.28	.951	12.37	6.68	206	250.3	42.72	361.4	159.9	206	
75	7.86	1.009	12.34	6.35	188	211.7	43.15	330.4	142.5	188	
100	7.51	1.023	12.26	6.18	126	185.6	39.03	327.7	135.6	126	
125	7.14	.694	9.49	6.12	30	163.4	25.60	258.3	133.0	30	
150	6.74	.320	7.25	6.42	6	144.2	4.94	153.0	139.6	6	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	210	.00	.000	.00	.00	210	
10	.363	.0522	.590	.250	210	.02	.003	.03	.01	210	
20	.700	.0925	1.100	.500	209	.07	.010	.11	.05	209	
30	1.004	.1242	1.430	.710	208	.15	.018	.20	.10	208	
50	1.546	.1859	2.110	1.090	206	.37	.048	.50	.25	206	
75	2.130	.2659	2.860	1.530	188	.74	.110	1.02	.51	188	
100	2.625	.3572	3.460	1.900	126	1.17	.199	1.70	.83	126	
125	2.995	.4269	4.020	2.310	30	1.63	.276	2.46	1.22	30	
150	3.105	.2440	3.400	2.800	6	2.00	.161	2.23	1.82	6	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	6.78	.944	8.21	5.49	9	1488	7.0	1505	1469	210	
10	6.13	.721	7.38	5.17	209	1486	5.7	1502	1473	210	
20	5.41	.835	6.55	4.32	209	1484	4.3	1497	1472	209	
30	4.62	1.535	6.49	2.29	208	1483	3.5	1494	1474	208	
50	4.17	1.492	6.39	2.59	207	1482	3.3	1496	1475	206	
75	2.79	.758	3.05	1.97	6	1481	3.4	1497	1474	188	
100	2.56	.738	3.67	1.71	5	1481	3.5	1497	1476	126	
125	n/a	n/a	n/a	n/a	0	1480	2.4	1488	1476	30	
150	n/a	n/a	n/a	n/a	0	1479	1.3	1481	1478	6	

Table 5. Statistics of TEMPERATURE, SALINITY, SIGMA T, SVA, THETA, SVA (THETA), DELTA D, POT. ENERGY, OXYGEN and SOUND at standard pressures, by month, for Station 1 (P01).

Table 5 :

STATION MP01 J A N U A R Y 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.57	.916	9.96	6.95	13	31.579	.5690	32.530	30.652	13	
10	8.68	.915	9.96	6.97	13	31.581	.5756	32.530	30.748	13	
20	8.90	.898	10.13	6.92	13	31.913	.4276	32.530	31.236	13	
30	9.30	.879	10.56	6.95	13	32.170	.2571	32.530	31.691	13	
50	9.30	.994	10.25	6.80	13	32.421	.1994	32.716	32.020	13	
75	8.96	.917	9.91	6.46	12	32.733	.3587	33.288	32.040	12	
100	8.60	.783	9.87	7.31	7	33.005	.3335	33.418	32.480	7	
125	8.36	n/a	n/a	n/a	1	33.225	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.529	.4016	25.214	23.863	13	341.6	.3825	405.0	276.3	13	
10	24.592	.4020	25.214	23.913	13	335.7	.3829	400.3	276.4	13	
20	24.740	.3058	25.213	24.237	13	321.8	.2913	369.7	276.7	13	
30	24.878	.2094	25.213	24.528	13	308.8	.1995	342.1	276.9	13	
50	25.072	.1495	25.284	24.736	13	290.7	.1427	322.8	270.4	13	
75	25.369	.2847	25.852	25.045	12	262.8	.2706	293.7	216.9	12	
100	25.638	.2727	25.976	25.262	7	237.6	.2593	273.6	205.5	7	
125	25.850	n/a	n/a	n/a	1	217.9	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.57	.916	9.96	6.95	13	341.6	.3825	405.0	276.3	13	
10	8.68	.915	9.96	6.97	13	335.5	.3831	400.2	276.3	13	
20	8.90	.898	10.13	6.92	13	321.4	.2913	369.3	276.3	13	
30	9.30	.881	10.56	6.94	13	308.2	.1993	341.6	276.4	13	
50	9.29	.993	10.24	6.80	13	289.7	.1422	321.8	269.6	13	
75	8.96	.918	9.91	6.45	12	261.4	.2706	292.2	215.5	12	
100	8.59	.783	9.86	7.30	7	235.8	.2593	271.6	203.7	7	
125	8.35	n/a	n/a	n/a	1	215.6	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	13	.00	.000	.00	.00	13	
10	.341	.0393	.410	.280	13	.02	.004	.02	.01	13	
20	.670	.0726	.790	.550	13	.07	.009	.08	.06	13	
30	.985	.0956	1.150	1.030	13	.15	.012	.17	.13	13	
50	1.586	.1216	1.790	1.380	13	.39	.026	.44	.35	13	
75	2.279	.1392	2.540	2.090	12	.83	.046	.93	.77	12	
100	2.873	.1671	3.220	2.690	7	1.37	.093	1.52	1.26	7	
125	3.240	n/a	n/a	n/a	1	1.91	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	6.57	n/a	n/a	n/a	1	1481	.3.8	1487	1475	13	
10	6.58	n/a	n/a	n/a	1	1481	.4.8	1487	1475	13	
20	5.98	n/a	n/a	n/a	1	1483	.4.8	1488	1475	13	
30	6.10	n/a	n/a	n/a	1	1485	.4.8	1490	1475	13	
50	5.27	n/a	n/a	n/a	1	1485	.4.8	1489	1475	13	
75	5.95	n/a	n/a	n/a	1	1485	.4.8	1488	1474	12	
100	5.67	n/a	n/a	n/a	1	1484	.4.8	1489	1479	12	
125	n/a	n/a	n/a	n/a	0	1484	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP01 FEBRUARY 1956 to 1990

TEMPERATURE						SALINITY				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.23	1.145	9.85	5.89	14	31.391	1.0657	32.400	28.830	14
10	8.30	1.100	10.07	6.63	14	31.637	.7579	32.427	29.856	14
20	8.26	1.197	10.41	6.27	14	31.873	.5215	32.446	30.490	14
30	8.42	1.067	10.08	6.72	14	32.070	.3688	32.480	31.080	14
50	8.52	.953	10.31	6.91	14	32.458	.3053	33.170	31.938	14
75	8.47	.966	10.32	7.41	13	32.756	.3195	33.374	32.377	13
100	8.38	1.082	10.45	7.17	8	32.991	.2881	33.286	32.490	8
125	7.85	1.181	8.68	7.01	2	33.444	.2362	33.611	33.277	2
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
SIGMA T						SVA				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.429	.7953	25.304	22.494	14	351.1	75.88	535.8	267.7	14
10	24.612	.5460	25.312	23.297	14	333.8	52.04	459.1	267.1	14
20	24.801	.3521	25.312	23.832	14	315.9	33.52	408.2	267.2	14
30	24.933	.2608	25.349	24.271	14	303.5	24.82	366.5	263.9	14
50	25.224	.2808	25.887	24.803	14	276.2	26.73	316.3	213.1	14
75	25.463	.3538	26.052	24.877	13	253.8	33.75	309.9	197.8	13
100	25.660	.3790	26.044	24.942	8	235.5	36.22	304.1	198.8	8
125	26.094	.3564	26.346	25.842	8	194.7	34.15	218.8	170.5	2
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
THETA						SVA (THETA)				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.23	1.145	9.85	5.89	14	351.1	75.88	535.8	267.7	14
10	8.30	1.100	10.07	6.63	14	333.7	52.04	459.0	266.9	14
20	8.26	1.198	10.41	6.27	14	315.6	33.53	407.9	266.9	14
30	8.42	1.066	10.08	6.72	14	303.0	24.84	366.1	263.4	14
50	8.51	.950	10.30	6.91	14	275.3	26.72	315.3	212.2	14
75	8.46	.966	10.31	7.40	13	252.5	33.65	308.3	196.5	13
100	8.37	1.081	10.44	7.16	8	233.8	36.03	302.0	197.2	8
125	7.84	1.181	8.67	7.00	2	192.4	33.87	216.4	168.5	2
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
DELTA D						POT. ENERGY				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.0000	.000	.000	14	.00	.000	.00	.00	14
10	.346	.0686	.520	.270	14	.02	.005	.03	.01	14
20	.671	.1050	.910	.530	14	.07	.009	.08	.05	14
30	.981	.1265	1.220	.800	14	.15	.015	.18	.12	14
50	1.561	.1461	1.810	1.290	14	.38	.029	.43	.32	14
75	2.236	.1784	2.560	1.800	13	.81	.071	.92	.64	13
100	2.934	.1800	3.330	2.750	8	1.38	.125	1.61	1.20	8
125	3.350	.0424	3.380	3.320	2	1.95	.071	2.00	1.90	2
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
OXYGEN						SOUND				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1479	5.0	1487	1469	14
10	n/a	n/a	n/a	n/a	0	1480	4.6	1487	1473	14
20	n/a	n/a	n/a	n/a	0	1480	4.9	1488	1472	14
30	n/a	n/a	n/a	n/a	0	1481	4.3	1487	1474	14
50	n/a	n/a	n/a	n/a	0	1482	3.6	1489	1475	14
75	n/a	n/a	n/a	n/a	0	1483	3.6	1489	1479	13
100	n/a	n/a	n/a	n/a	0	1483	3.6	1490	1479	8
125	n/a	n/a	n/a	n/a	0	1482	4.2	1485	1479	2
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP01 M A R C H 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.39	1.020	11.17	7.25	26	31.446	.6568	32.290	28.974	26	
10	8.32	.994	11.17	7.24	26	31.531	.6531	32.360	29.046	26	
20	8.28	.969	11.17	7.25	26	31.737	.4739	32.691	30.392	26	
30	8.38	.943	11.19	7.26	26	31.940	.4748	32.750	30.572	26	
50	8.58	.931	11.23	7.38	26	32.405	.3376	33.049	31.668	26	
75	8.48	.785	11.06	7.53	21	32.933	.3297	33.415	32.380	21	
100	8.01	1.119	10.96	7.19	10	33.433	.3874	33.843	32.620	10	
125	7.31	.197	7.50	7.08	4	33.740	.0916	33.861	33.640	4	
150	6.91	n/a	n/a	n/a	1	33.894	n/a	n/a	n/a	1	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.451	.5081	25.078	22.569	26	349.0	48.46	528.6	289.3	26	
10	24.527	.4836	25.101	22.629	26	341.8	46.13	523.0	287.2	26	
20	24.694	.3389	25.429	23.709	26	326.1	32.27	419.9	256.1	26	
30	24.838	.3559	25.487	23.824	26	312.5	33.88	409.2	250.9	26	
50	25.173	.2949	25.707	24.579	26	281.0	28.07	337.8	230.3	26	
75	25.601	.3404	26.051	24.832	21	240.7	32.43	314.2	197.9	21	
100	26.059	.4690	26.504	24.954	10	197.6	44.71	303.1	155.3	10	
125	26.407	.0872	26.534	26.341	4	164.9	8.28	171.1	152.8	4	
150	26.583	n/a	n/a	n/a	1	148.5	n/a	n/a	n/a	1	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.39	1.020	11.17	7.25	26	349.0	48.46	528.6	289.3	26	
10	8.32	.994	11.17	7.24	26	341.7	46.14	522.9	287.0	26	
20	8.28	.969	11.17	7.25	26	325.7	32.28	419.7	255.8	26	
30	8.38	.943	11.19	7.26	26	312.1	33.89	408.7	250.3	26	
50	8.57	.929	11.22	7.38	26	280.2	28.05	336.7	229.4	26	
75	8.47	.785	11.05	7.52	21	239.4	32.37	312.5	196.6	21	
100	8.00	1.119	10.95	7.18	10	195.8	44.54	300.8	153.6	10	
125	7.30	.197	7.49	7.07	4	162.8	8.24	169.0	150.8	4	
150	6.90	n/a	n/a	n/a	1	146.1	n/a	n/a	n/a	1	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	26	.00	.000	.00	.00	26	
10	.345	.0472	.530	.290	26	.02	.003	.03	.01	26	
20	.680	.0849	1.000	.570	26	.07	.008	.10	.06	26	
30	.998	.1126	1.390	.820	26	.15	.017	.20	.12	26	
50	1.591	.1609	2.060	1.320	26	.39	.039	.48	.32	26	
75	2.251	.2359	2.800	1.910	21	.81	.084	.96	.67	21	
100	2.839	.3586	3.460	2.470	10	1.30	.172	1.64	1.14	10	
125	3.235	.3088	3.690	3.020	4	1.76	.135	1.95	1.64	4	
150	3.400	n/a	n/a	n/a	1	2.17	n/a	n/a	n/a	1	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	6.58	n/a	n/a	n/a	1	1480	4.0	1491	1475	26	
10	6.57	n/a	n/a	n/a	1	1480	4.1	1491	1476	26	
20	6.55	n/a	n/a	n/a	1	1480	4.0	1491	1476	26	
30	6.49	n/a	n/a	n/a	1	1481	3.7	1491	1476	26	
50	6.39	n/a	n/a	n/a	1	1482	3.5	1492	1477	26	
75	n/a	n/a	n/a	n/a	0	1483	2.7	1492	1479	21	
100	n/a	n/a	n/a	n/a	0	1482	3.7	1492	1480	10	
125	n/a	n/a	n/a	n/a	0	1481	3.6	1481	1480	4	
150	n/a	n/a	n/a	n/a	0	1480	n/a	n/a	n/a	1	

STATION MP01 APRIL 1956 to 1990

TEMPERATURE						SALINITY				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.88	.813	10.16	7.89	7	31.197	.4438	32.030	30.600	7
10	8.78	.743	9.91	7.90	7	31.410	.4907	32.160	30.890	7
20	8.64	.872	9.95	7.45	7	31.879	.4013	32.360	31.279	7
30	8.49	.833	9.59	7.38	7	32.202	.3330	32.444	31.573	7
50	8.37	.827	9.58	7.52	7	32.548	.2579	33.005	32.184	7
75	8.12	.663	8.90	7.43	7	32.975	.2721	33.365	32.580	7
100	7.69	.473	8.27	7.19	6	33.359	.1262	33.489	33.182	6
125	7.43	n/a	n/a	n/a	1	33.782	n/a	n/a	n/a	1
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
SIGMA T						SVA				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.187	.4391	24.911	23.523	7	374.2	41.86	437.5	305.2	7
10	24.368	.4662	25.050	23.789	7	357.0	44.46	412.3	292.0	7
20	24.753	.3523	25.195	24.295	7	320.5	33.55	364.1	278.4	7
30	25.028	.2454	25.328	24.564	7	294.4	23.35	338.6	265.9	7
50	25.317	.2168	25.779	25.119	7	267.3	20.64	286.0	223.3	7
75	25.689	.2326	26.066	25.444	7	232.3	22.14	255.6	196.5	7
100	26.052	.1152	26.200	25.910	6	198.2	10.96	211.6	184.1	6
125	26.422	n/a	n/a	n/a	1	163.4	n/a	n/a	n/a	1
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
THETA						SVA (THETA)				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.88	.813	10.16	7.89	7	374.2	41.86	437.5	305.2	7
10	8.78	.743	9.91	7.90	7	356.8	44.42	412.1	291.9	7
20	8.64	.872	9.95	7.45	7	320.2	33.53	363.8	278.1	7
30	8.49	.834	9.59	7.38	7	293.9	23.35	338.1	265.4	7
50	8.36	.824	9.57	7.52	7	266.4	20.61	285.2	222.5	7
75	8.11	.663	8.89	7.42	7	231.0	22.12	254.4	195.2	7
100	7.68	.473	8.26	7.18	6	196.5	10.92	209.9	182.5	6
125	7.42	n/a	n/a	n/a	1	161.3	n/a	n/a	n/a	1
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
DELTA D						POT. ENERGY				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.0000	.000	.000	7	.00	.000	.00	.00	7
10	.370	.0400	.430	.310	7	.02	.000	.02	.02	7
20	.709	.0773	.810	.600	7	.07	.009	.08	.06	7
30	1.013	.0971	1.120	.870	7	.15	.013	.16	.13	7
50	1.577	.1334	1.710	1.360	7	.38	.028	.41	.33	7
75	2.200	.1652	2.350	1.880	7	.77	.054	.82	.66	7
100	2.722	.1951	2.870	2.360	6	1.25	.085	1.32	1.09	6
125	3.300	n/a	n/a	n/a	1	1.81	n/a	n/a	n/a	1
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
OXYGEN						SOUND				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1481	2.9	1485	1477	7
10	n/a	n/a	n/a	n/a	0	1481	2.4	1485	1478	7
20	n/a	n/a	n/a	n/a	0	1482	2.4	1487	1477	7
30	n/a	n/a	n/a	n/a	0	1482	3.4	1486	1477	7
50	n/a	n/a	n/a	n/a	0	1482	3.3	1487	1479	7
75	n/a	n/a	n/a	n/a	0	1482	2.6	1485	1479	7
100	n/a	n/a	n/a	n/a	0	1481	1.9	1484	1479	6
125	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	1
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

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TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.66	.841	12.98	9.29	33	31.112	.6289	32.100	29.900	33	
10	10.22	.893	12.03	8.71	33	31.231	.6065	32.220	30.060	33	
20	9.42	.825	11.00	8.10	33	31.572	.4725	32.398	30.544	33	
30	8.71	.648	9.93	7.50	33	31.054	.3898	32.610	31.049	33	
50	8.15	.605	9.24	7.18	33	32.549	.3469	33.308	31.663	33	
75	7.72	.532	8.71	6.77	32	33.157	.2653	33.543	32.641	32	
100	7.37	.481	8.34	6.57	22	33.494	.1559	33.730	31.106	22	
125	7.22	.462	7.72	6.81	4	33.686	.1142	33.826	33.563	4	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	23.833	.5275	24.632	22.787	33	407.9	.5033	507.8	331.7	33	
10	24.000	.5195	24.945	23.110	33	392.1	.4953	477.0	302.1	33	
20	24.394	.4207	25.178	23.413	33	354.7	.4010	448.3	280.1	33	
30	24.803	.3493	25.421	23.941	33	315.9	.3326	398.0	257.1	33	
50	25.352	.3316	26.084	24.520	33	263.9	.3156	343.2	194.3	33	
75	25.889	.2665	26.326	25.541	32	213.3	.2537	265.5	171.7	32	
100	26.203	.1798	26.495	25.760	22	183.8	.1714	226.0	155.9	22	
125	26.376	.1516	26.543	26.210	4	167.8	.1448	183.6	151.8	4	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.66	.841	12.98	9.29	33	407.9	.5033	507.8	331.7	33	
10	10.21	.893	12.03	8.71	33	391.9	.4953	476.8	301.9	33	
20	9.42	.826	11.00	8.10	33	354.4	.4009	447.9	279.7	33	
30	8.71	.649	9.93	7.49	33	315.4	.3326	397.5	256.6	33	
50	8.14	.601	9.23	7.18	33	263.1	.3153	342.3	193.5	33	
75	7.71	.531	8.70	6.76	32	212.0	.2533	264.1	170.6	32	
100	7.36	.480	8.33	6.57	22	182.1	.1706	224.2	154.4	22	
125	7.21	.458	7.70	6.80	4	165.8	.1437	181.5	149.9	4	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	33	.00	.000	.00	.00	33	
10	.404	.0484	.490	.320	33	.02	.000	.02	.02	33	
20	.779	.0919	.950	.610	33	.08	.009	.09	.06	33	
30	1.114	.1235	1.370	.880	33	.16	.018	.20	.13	33	
50	1.692	.1805	2.110	1.350	33	.40	.042	.50	.32	33	
75	2.278	.2371	2.860	1.860	32	.77	.080	.97	.62	32	
100	2.790	.2877	3.420	2.290	22	1.22	.127	1.47	.99	22	
125	3.413	.2181	3.700	3.170	4	1.84	.131	2.03	1.75	4	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	7.28	.643	7.74	6.83	2	1488	3.0	1496	1483	33	
10	7.03	.495	7.38	6.68	22	1487	3.1	1493	1480	33	
20	6.19	.050	6.23	6.16	22	1484	2.9	1490	1478	33	
30	5.64	.325	5.87	5.41	22	1482	2.4	1487	1478	33	
50	4.70	.530	5.07	4.32	22	1481	2.1	1485	1478	33	
75	3.10	.431	3.40	2.79	22	1480	1.9	1484	1477	32	
100	2.64	.141	2.74	2.54	2	1480	1.8	1483	1477	22	
125	n/a	n/a	n/a	n/a	0	1480	1.5	1482	1479	4	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

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TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	11.55	1.257	14.51	9.74	35	31.719	.4788	32.360	30.394	35	
10	10.74	1.158	13.39	8.69	35	31.869	.5827	32.470	30.642	35	
20	9.57	.867	11.05	7.75	35	32.086	.3732	32.980	31.337	35	
30	8.73	.617	10.52	7.61	35	32.334	.3172	33.120	31.811	35	
50	8.00	.364	8.92	7.07	34	32.791	.2811	33.490	32.431	34	
75	7.44	.367	8.05	6.48	31	33.289	.2863	33.810	32.697	31	
100	7.02	.268	7.43	6.44	20	33.619	.1214	33.811	33.431	20	
125	6.75	.258	7.22	6.52	6	33.790	.0695	33.868	33.698	6	
150	6.49	.060	6.55	6.43	3	33.889	.0221	33.904	33.865	3	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.145	.5174	24.875	22.557	35	378.2	49.35	529.7	308.6	35	
10	24.404	.4546	25.203	23.086	35	353.6	43.34	479.4	277.5	35	
20	24.770	.4089	25.748	24.032	35	318.9	38.95	389.3	225.8	35	
30	25.098	.3286	25.878	24.403	35	287.9	31.29	354.1	213.6	35	
50	25.563	.2648	26.243	25.235	34	243.9	25.19	275.1	179.2	34	
75	26.034	.2723	26.574	25.483	31	199.5	25.89	251.8	148.1	31	
100	26.352	.1278	26.564	26.160	20	169.6	12.15	187.9	149.4	20	
125	26.522	.0877	26.614	26.386	6	153.8	8.38	166.8	145.0	6	
150	26.636	.0244	26.651	26.608	3	143.3	2.25	145.9	141.9	3	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	11.55	1.257	14.51	9.74	35	378.2	49.35	529.7	308.6	35	
10	10.74	1.158	13.39	8.69	35	353.4	43.34	479.2	277.4	35	
20	9.57	.867	11.05	7.75	35	318.5	38.93	388.9	225.5	35	
30	8.73	.616	10.52	7.61	35	287.4	31.27	353.5	213.1	35	
50	8.00	.360	8.91	7.07	34	243.0	25.17	274.2	178.4	34	
75	7.43	.367	8.04	6.47	31	198.3	25.86	250.6	147.0	31	
100	7.01	.268	7.42	6.43	20	168.0	12.12	186.3	148.0	20	
125	6.74	.258	7.21	6.51	6	151.9	8.32	164.8	143.2	6	
150	6.48	.060	6.54	6.42	3	141.1	2.29	143.7	139.6	3	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	35	.00	.000	.00	.00	35	
10	.368	.0472	.520	.290	35	.02	.002	.03	.01	35	
20	.707	.0812	.950	.550	35	.07	.008	.09	.05	35	
30	1.009	.1116	1.310	.770	35	.15	.015	.18	.11	35	
50	1.535	.1531	1.900	1.180	34	.36	.035	.43	.28	34	
75	2.081	.1989	2.550	1.610	31	.71	.071	.84	.54	31	
100	2.509	.1987	2.820	2.000	20	1.11	.096	1.27	.90	20	
125	2.850	.2687	3.250	2.580	6	1.51	.111	1.68	1.40	6	
150	3.013	.0751	3.090	2.940	3	1.93	.035	1.97	1.90	3	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	n/a	n/a	n/a	n/a	0	1492	4.2	1500	1484	35	
10	n/a	n/a	n/a	n/a	0	1489	3.9	1498	1482	35	
20	n/a	n/a	n/a	n/a	0	1485	2.9	1490	1480	35	
30	n/a	n/a	n/a	n/a	0	1483	2.1	1489	1479	35	
50	n/a	n/a	n/a	n/a	0	1481	1.1	1484	1478	34	
75	n/a	n/a	n/a	n/a	0	1480	1.1	1481	1477	31	
100	n/a	n/a	n/a	n/a	0	1479	1.1	1481	1477	20	
125	n/a	n/a	n/a	n/a	0	1479	.8	1480	1478	6	
150	n/a	n/a	n/a	n/a	0	1478	.0	1478	1478	3	

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TEMPERATURE						SALINITY				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.18	1.029	14.00	10.23	14	31.400	.9774	32.480	29.290	14
10	10.56	1.106	13.05	9.16	14	31.777	.8032	32.500	29.392	14
20	9.58	.779	11.01	8.72	14	32.162	.4878	32.699	31.141	14
30	8.91	.642	10.41	8.15	14	32.480	.3862	32.991	31.820	14
50	7.89	.544	8.83	7.03	14	33.089	.2935	33.575	32.510	14
75	6.99	.409	7.70	6.36	13	33.607	.1476	33.851	33.380	13
100	6.75	.387	7.38	6.19	10	33.739	.1080	33.914	33.555	10
125	6.56	.382	6.86	6.13	3	33.849	.0950	33.939	33.750	3
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
SIGMA T						SVA				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	23.784	.8441	24.684	21.898	14	412.6	80.59	592.8	326.8	14
10	24.366	.7697	25.106	22.077	14	357.3	73.46	575.9	286.8	14
20	24.828	.4826	25.357	23.811	14	313.4	45.97	410.3	263.0	14
30	25.184	.3773	25.699	24.452	14	279.7	35.90	349.4	230.7	14
50	25.813	.3049	26.316	25.220	14	220.1	28.99	276.5	172.3	14
75	26.346	.1658	26.622	26.069	13	169.8	15.79	196.2	143.6	13
100	26.482	.1292	26.693	26.252	10	157.3	12.32	179.2	137.1	10
125	26.593	.1234	26.721	26.475	3	147.0	11.78	158.3	134.8	3
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
THETA						SVA (THETA)				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.18	1.029	14.00	10.23	14	412.6	80.59	592.8	326.8	14
10	10.56	1.106	13.05	9.16	14	357.1	73.44	575.6	286.6	14
20	9.58	.780	11.01	8.71	14	313.0	45.96	409.9	262.7	14
30	8.90	.643	10.41	8.15	14	279.1	35.89	348.8	230.2	14
50	7.88	.542	8.82	7.03	14	219.3	28.96	275.6	171.5	14
75	6.98	.408	7.69	6.35	13	168.7	15.73	194.9	142.5	13
100	6.74	.389	7.37	6.18	10	155.7	12.27	177.5	135.6	10
125	6.55	.382	6.85	6.12	3	145.1	11.68	156.3	133.0	3
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
DELTA D						POT. ENERGY				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.0000	.000	.000	14	.00	.000	.00	.00	14
10	.385	.0725	.590	.310	14	.02	.003	.03	.02	14
20	.721	.1302	1.100	.590	14	.07	.014	.11	.06	14
30	1.016	.1571	1.430	.850	14	.15	.020	.19	.12	14
50	1.515	.1941	1.900	1.250	14	.35	.041	.42	.28	14
75	1.994	.2432	2.350	1.630	13	.65	.078	.80	.52	13
100	2.378	.2769	2.740	1.980	10	1.00	.101	1.15	.83	10
125	2.527	.2401	2.790	2.320	3	1.34	.126	1.47	1.22	3
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
OXYGEN						SOUND				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1494	3.3	1501	1488	14
10	n/a	n/a	n/a	n/a	0	1488	3.3	1494	1483	14
20	n/a	n/a	n/a	n/a	0	1486	2.3	1490	1483	14
30	n/a	n/a	n/a	n/a	0	1484	2.1	1488	1481	14
50	n/a	n/a	n/a	n/a	0	1481	1.8	1484	1478	14
75	n/a	n/a	n/a	n/a	0	1478	1.6	1481	1476	13
100	n/a	n/a	n/a	n/a	0	1478	1.4	1480	1476	10
125	n/a	n/a	n/a	n/a	0	1478	1.5	1479	1476	3
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP01 A U G U S T 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	12.75	1.401	15.60	10.09	20	31.846	.4048	32.460	31.150	20	
10	11.12	1.305	14.35	8.94	20	32.990	.3138	32.697	31.557	20	
20	9.72	.974	12.11	8.10	19	32.598	.2936	32.860	31.827	19	
30	8.70	.667	10.00	7.57	19	32.739	.3369	33.290	31.945	19	
50	7.71	.512	9.06	6.95	18	33.223	.2616	33.610	32.657	18	
75	7.11	.483	8.35	6.54	18	33.571	.2309	33.812	32.963	18	
100	6.87	.499	7.84	6.40	13	33.724	.1542	33.866	33.353	13	
125	6.74	.229	7.02	6.50	4	33.791	.0589	33.857	33.715	4	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.016	.4691	24.979	23.443	20	390.4	44.72	445.1	298.6	20	
10	24.508	.4012	25.229	23.676	20	343.8	38.25	423.1	275.0	20	
20	24.988	.3325	25.604	24.436	19	298.2	31.66	350.7	239.6	19	
30	25.417	.3468	26.017	24.594	19	257.5	33.02	335.9	200.4	19	
50	25.943	.2691	26.354	25.299	18	207.8	25.60	269.0	168.7	18	
75	26.301	.2379	26.568	25.740	18	174.1	22.64	227.4	148.7	18	
100	26.454	.1770	26.628	26.063	13	159.9	16.87	197.1	143.3	13	
125	26.525	.0469	26.555	26.455	4	153.5	4.46	160.1	150.6	4	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	12.75	1.401	15.60	10.09	20	390.4	44.72	445.1	298.6	20	
10	11.12	1.305	14.35	8.94	20	343.6	38.22	422.8	274.9	20	
20	9.72	.975	12.11	8.10	19	297.8	31.64	350.3	239.2	19	
30	8.70	.667	10.00	7.57	19	257.0	33.00	335.3	199.9	19	
50	7.71	.509	9.05	6.95	18	206.9	25.56	268.1	167.9	18	
75	7.10	.483	8.34	6.93	18	172.9	22.59	226.2	147.6	18	
100	6.86	.498	7.83	6.39	13	158.3	16.79	195.4	141.8	13	
125	6.73	.229	7.01	6.49	4	151.6	4.47	158.2	148.7	4	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	20	.00	.000	.00	.00	20	
10	.370	.0413	.430	.300	20	.02	.000	.02	.02	20	
20	.693	.0733	.810	.560	19	.07	.009	.08	.05	19	
30	.973	.1004	1.130	.780	19	.14	.015	.16	.11	19	
50	1.439	.1520	1.740	1.150	18	.33	.036	.41	.26	18	
75	1.912	.1945	2.350	1.530	18	.63	.069	.80	.51	18	
100	2.368	.2366	2.860	1.900	13	1.01	.117	1.25	.83	13	
125	2.722	.1034	2.850	2.620	4	1.42	.053	1.47	1.37	4	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	7.39	.997	8.21	6.28	3	1496	4.5	1505	1487	20	
10	5.66	.456	6.07	5.17	3	1491	4.6	1502	1483	20	
20	4.64	.287	4.88	4.32	3	1486	3.4	1495	1481	19	
30	3.60	.195	3.75	3.38	3	1483	2.2	1487	1480	19	
50	2.71	.116	2.82	2.59	3	1480	1.8	1485	1478	18	
75	2.19	.193	2.33	1.97	3	1479	1.7	1483	1477	18	
100	1.91	.290	2.12	1.71	3	1478	1.8	1482	1477	13	
125	n/a	n/a	n/a	n/a	0	1479	1.0	1480	1478	4	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP01 SEPTEMBER 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	12.21	1.336	14.73	10.10	20	32.020	.4282	32.779	30.900	20	
10	11.48	1.400	14.06	9.18	20	32.238	.3686	32.716	31.627	20	
20	9.70	1.274	12.65	8.25	20	32.634	.3623	33.112	31.550	20	
30	8.62	1.067	11.83	7.08	20	32.958	.3955	33.481	31.750	20	
50	7.62	1.474	8.56	6.68	20	33.366	.2707	33.735	32.630	20	
75	7.12	.311	7.53	6.41	15	33.663	.1297	33.787	33.300	15	
100	6.96	.220	7.24	6.57	10	33.781	.0356	33.825	33.724	10	
125	7.07	n/a	n/a	n/a	1	33.741	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.254	.3977	25.226	23.588	20	367.8	37.90	431.2	275.2	20	
10	24.557	.3916	25.203	23.858	20	339.0	37.32	405.6	277.5	20	
20	25.172	.4318	25.763	24.364	20	280.7	41.12	357.7	224.5	20	
30	25.597	.4379	26.171	24.591	20	240.4	41.70	336.1	185.7	20	
50	26.068	.2688	26.439	25.431	20	195.9	25.53	256.4	160.7	20	
75	26.372	.1312	26.566	26.050	15	167.3	12.47	197.9	148.9	15	
100	26.487	.0462	26.555	26.422	10	156.8	4.41	163.0	150.3	10	
125	26.441	n/a	n/a	n/a	1	161.5	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	12.21	1.336	14.73	10.10	20	367.8	37.90	431.2	275.2	20	
10	11.47	1.401	14.06	9.18	20	338.8	37.30	405.4	277.3	20	
20	9.70	1.275	12.65	8.24	20	280.2	41.10	357.2	224.1	20	
30	8.62	1.067	11.83	7.08	20	239.9	41.66	335.6	185.3	20	
50	7.62	.471	8.55	6.68	20	195.1	25.52	255.6	159.9	20	
75	7.11	.311	7.52	6.40	15	166.1	12.44	196.7	147.8	15	
100	6.94	.220	7.23	6.56	10	155.2	4.39	161.4	148.7	10	
125	7.05	n/a	n/a	n/a	1	159.5	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	20	.00	.000	.00	.00	20	
10	.357	.0374	.420	.280	20	.02	.002	.02	.01	20	
20	.671	.0706	.810	.560	20	.07	.009	.08	.05	20	
30	.930	.1070	1.150	.780	20	.13	.018	.17	.11	20	
50	1.364	.1645	1.730	1.120	20	.31	.041	.40	.25	20	
75	1.842	.2000	2.320	1.590	15	.60	.070	.78	.51	15	
100	2.227	.1615	2.610	2.020	10	.95	.058	1.07	.88	10	
125	2.690	n/a	n/a	n/a	1	1.44	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	5.62	n/a	n/a	n/a	1	1494	4.7	1503	1488	20	
10	5.59	n/a	n/a	n/a	1	1492	5.0	1501	1484	20	
20	4.54	n/a	n/a	n/a	1	1487	4.5	1497	1482	20	
30	2.29	n/a	n/a	n/a	1	1483	3.6	1494	1478	20	
50	n/a	n/a	n/a	n/a	0	1480	1.6	1483	1477	20	
75	n/a	n/a	n/a	n/a	0	1479	1.2	1480	1476	15	
100	n/a	n/a	n/a	n/a	0	1479	.9	1480	1477	10	
125	n/a	n/a	n/a	n/a	0	1480	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP01 OCTOBER 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.29	.972	12.09	9.06	11	32.171	.4663	32.834	31.253	11	
10	10.12	.975	12.03	8.72	11	32.234	.4650	33.084	31.421	11	
20	9.55	.846	10.83	8.59	11	32.400	.4281	33.166	31.637	11	
30	8.77	.867	10.76	8.00	11	32.686	.4732	33.412	31.705	11	
50	7.96	.576	9.20	7.44	11	33.122	.3021	33.594	32.569	11	
75	7.39	.296	7.93	6.99	11	33.504	.1866	33.787	33.184	11	
100	7.20	.314	7.79	6.78	9	33.657	.1703	33.888	33.340	9	
125	6.90	.071	6.95	6.85	2	33.872	.0596	33.914	33.830	2	
150	6.85	n/a	n/a	n/a	1	33.924	n/a	n/a	n/a	1	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.717	.4428	25.437	23.819	11	323.6	42.18	409.2	255.0	11	
10	24.795	.4428	25.528	24.014	11	316.4	42.16	390.8	246.6	11	
20	25.018	.4338	25.762	24.310	11	295.3	41.31	362.8	224.6	11	
30	25.364	.4800	26.050	24.411	11	262.5	45.68	353.3	197.3	11	
50	25.828	.3042	26.266	25.268	11	218.7	28.94	272.0	177.0	11	
75	26.209	1.755	26.462	25.888	11	182.8	16.67	213.4	158.9	11	
100	26.357	1.649	26.576	26.104	9	169.2	15.70	193.2	148.3	9	
125	26.567	.0559	26.606	26.527	2	149.6	5.30	153.4	145.9	2	
150	26.614	n/a	n/a	n/a	1	145.4	n/a	n/a	n/a	1	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.29	.972	12.09	9.06	11	323.6	42.18	409.2	255.0	11	
10	10.12	.975	12.03	8.72	11	316.2	42.16	390.6	246.4	11	
20	9.55	.846	10.83	8.59	11	294.9	41.29	362.4	224.2	11	
30	8.77	.867	10.76	8.00	11	262.0	45.66	352.7	196.8	11	
50	7.95	.574	9.19	7.43	11	217.9	28.92	271.1	176.2	11	
75	7.38	.295	7.92	6.98	11	181.6	16.65	212.1	157.6	11	
100	7.19	.314	7.78	6.77	9	167.6	15.66	191.6	146.7	9	
125	6.89	.071	6.94	6.84	2	147.6	5.30	151.4	143.9	2	
150	6.84	n/a	n/a	n/a	1	143.1	n/a	n/a	n/a	1	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.000	.000	.000	11	.00	.000	.00	.00	11	
10	.320	.0417	.400	.250	11	.02	.004	.02	.01	11	
20	.629	.0832	.780	.500	11	.06	.009	.08	.05	11	
30	.907	.1223	1.140	.710	11	.13	.020	.17	.10	11	
50	1.385	.1873	1.770	1.090	11	.33	.048	.43	.26	11	
75	1.886	.2388	2.390	1.530	11	.65	.082	.82	.54	11	
100	2.318	.3067	2.900	1.930	9	1.03	.129	1.27	.89	9	
125	2.370	.0849	2.430	2.310	2	1.32	.014	1.33	1.31	2	
150	2.800	n/a	n/a	n/a	1	1.82	n/a	n/a	n/a	1	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	n/a	n/a	n/a	n/a	0	1488	3.6	1495	1484	11	
10	n/a	n/a	n/a	n/a	0	1488	3.4	1495	1483	11	
20	n/a	n/a	n/a	n/a	0	1486	2.8	1490	1482	11	
30	n/a	n/a	n/a	n/a	0	1483	2.8	1490	1481	11	
50	n/a	n/a	n/a	n/a	0	1481	1.9	1485	1479	11	
75	n/a	n/a	n/a	n/a	0	1480	1.1	1482	1478	11	
100	n/a	n/a	n/a	n/a	0	1480	1.2	1482	1478	9	
125	n/a	n/a	n/a	n/a	0	1479	1.0	1479	1479	2	
150	n/a	n/a	n/a	n/a	0	1479	n/a	n/a	n/a	1	

STATION MP01 NOVEMBER 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.13	1.426	11.58	7.61	9	31.958	.4217	32.312	30.975	9	
10	10.11	1.492	11.58	7.62	9	32.037	.2466	32.311	31.624	9	
20	10.10	1.503	11.58	7.63	9	32.110	.2063	32.360	31.667	9	
30	10.12	1.535	11.67	7.63	8	32.177	.3076	32.850	31.811	8	
50	9.87	1.864	12.38	7.29	8	32.447	.4859	33.480	31.904	8	
75	9.96	1.617	12.35	8.03	7	32.712	.3932	33.279	32.247	7	
100	9.32	1.655	12.29	7.76	7	32.976	.4316	33.567	32.518	7	
125	8.45	1.499	9.51	7.39	2	33.338	.6477	33.796	32.880	2	
150	7.26	n/a	n/a	n/a	1	33.862	n/a	n/a	n/a	1	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.574	.4280	25.037	23.746	9	337.2	40.80	416.2	293.2	9	
10	24.637	.3378	25.094	24.072	9	331.4	32.19	385.3	287.9	9	
20	24.695	.3062	25.101	24.105	9	326.1	29.18	382.3	287.4	9	
30	24.744	.3876	25.495	24.235	8	321.6	36.96	370.2	250.1	8	
50	24.990	.6106	26.205	24.319	8	298.5	58.23	362.5	182.8	8	
75	25.185	.5483	25.942	24.654	7	280.5	52.33	331.3	208.3	7	
100	25.497	.5792	26.207	24.723	7	251.5	55.28	325.3	183.6	7	
125	25.920	.7325	26.438	25.402	2	211.5	69.93	260.8	161.9	2	
150	26.509	n/a	n/a	n/a	1	155.5	n/a	n/a	n/a	1	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.13	1.426	11.58	7.61	9	337.2	40.80	416.2	293.2	9	
10	10.11	1.492	11.58	7.62	9	331.4	32.17	385.0	287.7	9	
20	10.10	1.503	11.58	7.63	9	325.7	29.14	381.8	287.0	9	
30	10.12	1.535	11.67	7.63	8	321.0	36.91	369.5	249.5	8	
50	9.87	1.860	12.37	7.29	8	297.5	58.08	361.4	182.0	8	
75	9.95	1.617	12.34	8.02	7	278.9	52.14	329.4	207.0	7	
100	9.31	1.655	12.26	7.75	7	249.3	55.04	322.8	181.8	7	
125	8.43	1.492	9.49	7.38	2	209.0	69.65	258.3	159.8	2	
150	7.25	n/a	n/a	n/a	1	153.0	n/a	n/a	n/a	1	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	9	.00	.000	.00	.00	9	
10	.338	.0402	.410	.290	9	.02	.003	.02	.01	9	
20	.666	.0669	.770	.580	9	.07	.007	.08	.06	9	
30	1.005	.0888	1.150	.900	8	.15	.012	.17	.14	8	
50	1.626	.1705	1.880	1.370	8	.40	.051	.47	.31	8	
75	2.413	.2538	2.740	2.080	7	.89	.110	1.02	.75	7	
100	3.081	.3780	3.440	2.570	7	1.49	.224	1.70	1.18	7	
125	3.510	.7212	4.020	3.000	2	2.07	.552	2.46	1.68	2	
150	3.390	n/a	n/a	n/a	1	2.23	n/a	n/a	n/a	1	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	5.49	n/a	n/a	n/a	1	1487	5.4	1492	1477	9	
10	5.40	n/a	n/a	n/a	1	1487	5.3	1492	1478	9	
20	5.35	n/a	n/a	n/a	1	1487	5.3	1492	1478	9	
30	n/a	n/a	n/a	n/a	0	1488	5.5	1493	1478	8	
50	n/a	n/a	n/a	n/a	0	1487	5.4	1496	1479	8	
75	n/a	n/a	n/a	n/a	0	1488	5.6	1497	1482	7	
100	n/a	n/a	n/a	n/a	0	1487	5.6	1497	1482	7	
125	n/a	n/a	n/a	n/a	0	1485	4.9	1488	1481	2	
150	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	1	

STATION MP01 D E C E M B E R 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	9.73	1.180	11.40	8.19	8	31.699	.5069	32.253	30.860	8	
10	9.75	1.183	11.49	8.18	8	31.839	.3393	32.251	31.280	8	
20	9.90	1.233	11.61	8.00	8	32.120	.1684	32.299	31.840	8	
30	9.74	1.227	11.79	7.73	8	32.206	.1666	32.441	31.988	8	
50	9.43	1.313	11.83	7.75	8	32.370	.2152	32.670	32.048	8	
75	8.94	1.368	11.74	7.64	8	32.796	.3575	33.175	32.160	8	
100	8.85	1.896	11.66	7.64	4	33.081	.4538	33.390	32.416	4	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.441	.3605	24.890	23.751	8	350.0	34.36	415.7	307.1	8	
10	24.546	.2344	24.892	24.161	8	340.1	22.33	376.8	307.2	8	
20	24.739	.1889	24.946	24.469	8	321.8	18.01	347.6	302.1	8	
30	24.833	.2082	25.140	24.594	8	313.1	19.89	335.9	283.8	8	
50	25.009	.3003	25.449	24.620	8	296.7	28.66	333.9	254.7	8	
75	25.419	.4727	25.873	24.544	8	258.1	45.08	332.2	214.9	8	
100	25.650	.6577	26.085	24.671	4	236.6	62.84	330.1	195.0	4	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	9.73	1.180	11.40	8.19	8	350.0	34.36	415.7	307.1	8	
10	9.75	1.183	11.49	8.18	8	339.9	22.31	376.6	307.0	8	
20	9.90	1.233	11.61	8.90	8	321.4	17.98	347.2	301.8	8	
30	9.74	1.227	11.79	7.73	8	312.5	19.81	335.3	283.3	8	
50	9.42	1.312	11.82	7.75	8	295.8	28.54	332.7	253.9	8	
75	8.93	1.368	11.73	7.63	8	256.7	44.91	330.4	213.6	8	
100	8.84	1.891	11.64	7.63	4	234.7	62.49	327.7	193.4	4	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.000	.000	.000	8	.00	.000	.00	.00	8	
10	.348	.0292	.400	.310	8	.02	.000	.02	.02	8	
20	.679	.0442	.760	.620	8	.07	.005	.07	.06	8	
30	.993	.0580	1.090	.920	8	.15	.008	.16	.14	8	
50	1.609	.0972	1.760	1.500	8	.40	.029	.43	.35	8	
75	2.296	.1840	2.580	2.090	8	.84	.088	.96	.73	8	
100	2.907	.2925	3.340	2.700	4	1.40	.202	1.70	1.26	4	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	n/a	n/a	n/a	n/a	0	1485	4.9	1492	1479	8	
10	n/a	n/a	n/a	n/a	0	1486	4.4	1492	1480	8	
20	n/a	n/a	n/a	n/a	0	1487	4.7	1493	1479	8	
30	n/a	n/a	n/a	n/a	0	1486	4.6	1494	1479	8	
50	n/a	n/a	n/a	n/a	0	1486	4.8	1494	1480	8	
75	n/a	n/a	n/a	n/a	0	1485	4.8	1495	1480	8	
100	n/a	n/a	n/a	n/a	0	1485	6.7	1495	1481	4	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

Table 6. Statistics of TEMPERATURE, SALINITY, DEPTH, SVA, THETA, SVA (THETA), DELTA D, POT. ENERGY, OXYGEN and SOUND on σ_t -surfaces, using all data, for Station 1 (P01).

Table 6 : STATION MP01 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

TEMPERATURE						SALINITY						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	10.71	3.294	14.31	7.76	4	29.595	.7133	30.397	28.975	4		
22.80	10.99	2.475	13.58	7.78	6	29.959	.5546	30.517	29.270	6		
23.00	10.77	2.054	13.02	7.79	7	30.175	.4652	30.639	29.527	7		
23.20	10.63	1.601	12.82	7.80	13	30.390	.3845	30.848	29.755	13		
23.40	10.60	1.526	13.49	7.81	17	30.626	.3616	31.304	29.991	17		
23.60	11.08	1.744	14.74	7.68	35	30.973	.4980	31.947	30.248	35		
23.80	10.87	1.433	13.80	7.52	51	31.187	.3501	32.009	30.485	51		
24.00	10.51	1.411	13.90	7.37	66	31.360	.3315	32.116	30.702	66		
24.20	10.32	1.484	13.62	6.11	86	31.556	.3308	32.299	30.758	86		
24.40	10.10	1.271	12.72	6.53	116	31.751	.2779	32.441	31.070	116		
24.60	9.75	1.186	12.38	6.23	153	31.930	.2548	32.580	31.262	153		
24.80	9.43	1.048	12.00	6.52	187	32.112	.2195	32.671	31.569	187		
25.00	9.09	.840	11.35	6.78	196	32.294	.1731	32.769	31.858	196		
25.20	8.78	.681	10.73	6.75	195	32.484	.1377	32.896	32.107	195		
25.40	8.49	.553	10.14	7.11	190	32.682	.1100	33.020	32.424	190		
25.60	8.23	.422	9.34	7.24	179	32.888	.0815	33.111	32.707	179		
25.80	7.96	.331	8.86	7.19	166	33.092	.0628	33.259	32.946	166		
26.00	7.65	.256	8.34	7.11	146	33.288	.0470	33.413	33.196	146		
26.20	7.35	.235	7.91	6.89	117	33.487	.0415	33.590	33.409	117		
26.40	6.99	.211	7.50	6.60	68	33.677	.0365	33.766	33.610	68		
26.60	6.57	.166	6.86	6.33	12	33.859	.0278	33.907	33.819	12		
DEPTH						SVA						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	9	4.0	14	5	4	525.7	.14	525.9	525.6	4		
22.80	7	6.2	16	0	6	506.4	.14	506.6	506.2	6		
23.00	9	4.8	16	2	7	487.3	.22	487.5	486.9	7		
23.20	8	5.5	17	1	13	468.3	.22	468.5	467.7	13		
23.40	8	5.7	19	2	17	449.2	.22	449.5	448.7	17		
23.60	8	5.6	23	0	35	430.1	.16	430.4	429.6	35		
23.80	10	6.2	27	0	51	411.1	.19	411.4	410.5	51		
24.00	12	7.3	34	2	66	392.0	.20	392.4	391.3	66		
24.20	14	7.8	39	1	86	373.0	.18	373.4	372.3	86		
24.40	16	10.2	63	0	116	354.0	.20	355.1	353.4	116		
24.60	20	12.5	67	0	153	335.1	.25	336.1	334.7	153		
24.80	25	15.7	102	0	187	316.1	.31	318.0	315.6	187		
25.00	32	17.0	109	4	196	297.2	.32	299.0	296.7	196		
25.20	39	19.3	113	1	195	278.2	.35	279.9	277.6	195		
25.40	47	20.2	124	8	190	259.3	.36	260.9	258.6	190		
25.60	53	19.5	103	12	179	240.4	.33	241.3	239.8	179		
25.80	60	20.1	118	21	166	221.5	.34	222.6	220.7	166		
26.00	66	19.1	115	26	146	202.6	.31	203.4	201.8	146		
26.20	74	19.1	124	31	117	183.7	.31	184.6	183.0	117		
26.40	82	20.3	138	40	68	164.8	.32	165.7	164.2	68		
26.60	111	27.4	153	69	12	146.2	.41	146.9	145.6	12		
SIGMA -T.	THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	10.71	3.294	14.31	7.76	4	525.0	.63	525.6	524.3	4		
22.80	10.99	2.474	13.58	7.78	6	501.0	5.96	504.3	488.9	6		
23.00	10.77	2.053	13.01	7.79	7	480.7	7.94	485.5	463.4	7		
23.20	10.63	1.602	12.82	7.80	13	461.8	7.99	467.9	445.9	13		
23.40	10.60	1.526	13.49	7.81	17	443.8	7.48	449.0	425.5	17		
23.60	11.07	1.743	14.74	7.68	35	426.2	6.48	430.0	400.8	35		
23.80	10.87	1.434	13.80	7.52	51	406.5	7.01	410.9	373.6	51		
24.00	10.51	1.412	13.90	7.37	66	387.9	6.29	391.8	356.8	66		
24.20	10.32	1.484	13.61	6.51	86	370.4	4.41	372.0	344.8	86		
24.40	10.10	1.271	12.71	6.53	116	352.1	2.96	353.8	335.5	116		
24.60	9.75	1.187	12.37	6.23	153	333.3	2.29	334.7	320.3	153		
24.80	9.43	1.048	11.99	6.52	187	314.7	1.60	315.7	299.5	187		
25.00	9.08	.840	11.33	6.78	196	295.8	1.16	296.6	288.5	196		
25.20	8.77	.681	10.72	6.74	195	277.0	.87	277.6	272.7	195		
25.40	8.48	.554	10.13	7.11	190	258.1	.84	258.6	253.4	190		
25.60	8.22	.422	9.33	7.24	179	239.0	.99	239.5	234.6	179		
25.80	7.95	.332	8.85	7.18	166	220.0	.95	220.5	215.8	166		
26.00	7.64	.256	8.33	7.11	146	201.1	.74	201.5	197.6	146		
26.20	7.34	.235	7.90	6.89	117	182.3	.41	182.5	180.4	117		
26.40	6.98	.211	7.49	6.59	68	163.4	.30	163.5	162.1	68		
26.60	6.56	.162	6.85	6.33	12	144.5	.04	144.5	144.4	12		

STATION MP01 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	.485	.2568	.840	.260	4	.02	.024	.06	.01	4
22.80	.385	.3386	.890	.000	6	.02	.028	.07	.00	6
23.00	.469	.2833	.940	.080	7	.03	.028	.08	.00	7
23.20	.392	.3070	.980	.030	13	.02	.025	.08	.00	13
23.40	.454	.3013	1.020	.070	17	.03	.031	.09	.00	17
23.60	.381	.2856	1.110	.000	35	.02	.031	.13	.00	35
23.80	.438	.2962	1.270	.000	51	.03	.034	.17	.00	51
24.00	.527	.3265	1.450	.070	66	.04	.049	.24	.00	66
24.20	.597	.3402	1.720	.020	86	.06	.060	.32	.00	86
24.40	.655	.4163	2.350	.000	116	.07	.096	.74	.00	116
24.60	.756	.4840	2.510	.000	153	.10	.128	.85	.00	153
24.80	.908	.5710	3.460	.000	187	.16	.228	1.79	.00	187
25.00	1.100	.5985	3.670	.110	196	.22	.269	2.02	.00	196
25.20	1.299	.6543	3.800	.030	195	.31	.324	2.16	.00	195
25.40	1.505	.6597	4.020	.210	190	.40	.358	2.45	.01	190
25.60	1.646	.6308	4.530	.320	179	.47	.322	1.73	.02	179
25.80	1.800	.6171	2.400	.530	166	.56	.349	1.84	.05	166
26.00	1.915	.5951	5.100	.670	146	.63	.350	1.79	.09	146
26.20	2.030	.5841	6.900	.810	117	.73	.374	2.02	.12	117
26.40	2.062	.5666	6.300	.960	68	.79	.423	2.12	.18	68
26.60	2.418	.6999	3.690	1.550	12	1.22	.616	2.27	.46	12

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	1486	13.0	1500	1474	4
22.80	n/a	n/a	n/a	n/a	0	1488	9.6	1497	1475	6
23.00	n/a	n/a	n/a	n/a	0	1487	8.2	1496	1475	7
23.20	n/a	n/a	n/a	n/a	0	1487	6.4	1495	1475	13
23.40	n/a	n/a	n/a	n/a	0	1487	6.0	1498	1476	17
23.60	7.38	.290	7.58	7.17	22	1489	6.7	1503	1476	35
23.80	6.82	.491	7.51	6.27	5	1489	5.6	1500	1475	51
24.00	6.42	.315	6.76	.06	55	1488	5.5	1500	1475	66
24.20	6.21	.283	6.49	.73	6	1487	5.0	1500	1470	86
24.40	5.89	.304	6.25	.48	6	1487	4.9	1497	1472	116
24.60	5.68	.359	6.05	.20	6	1486	4.7	1496	1471	153
24.80	5.38	.455	6.10	4.90	6	1485	4.2	1496	1473	187
25.00	5.21	.687	6.42	4.45	7	1484	3.3	1494	1475	196
25.20	4.61	.447	5.31	4.06	6	1483	2.7	1492	1476	195
25.40	4.26	.372	4.83	3.71	7	1483	2.2	1490	1477	190
25.60	3.84	.308	4.39	3.41	7	1482	1.8	1486	1478	179
25.80	3.44	.312	4.01	3.15	7	1481	1.4	1486	1478	166
26.00	2.95	.198	3.21	2.71	6	1480	1.2	1484	1478	146
26.20	2.56	.219	2.76	2.23	6	1480	1.2	1482	1478	117
26.40	2.11	.206	2.30	1.89	4	1479	1.0	1481	1477	68
26.60	n/a	n/a	n/a	n/a	0	1478	1.2	1480	1476	12

Table 7. Statistics of TEMPERATURE, SALINITY, DEPTH, SVA, THETA, SVA (THETA), DELTA D, POT. ENERGY, OXYGEN and, SOUND on σ_t -surfaces, by month, for Station 1 (P01).

Table 7 :

STATION MP01 J A N U A R Y 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	8.51	.589	8.86	7.76	1	30.914	.1067	31.216	31.019	1	
24.20	n/a	n/a	n/a	n/a	0	31.113	.1244	31.547	31.308	4	
24.40	n/a	n/a	n/a	n/a	0	31.416	.0921	31.904	31.650	7	
24.60	n/a	n/a	n/a	n/a	0	32.117	.1148	32.285	31.909	10	
24.80	n/a	n/a	n/a	n/a	0	32.370	.1319	32.521	32.104	11	
25.00	n/a	n/a	n/a	n/a	0	32.534	.1906	32.706	32.107	10	
25.20	n/a	n/a	n/a	n/a	0	32.749	.1517	32.900	32.457	10	
25.40	n/a	n/a	n/a	n/a	0	33.025	.0658	33.083	32.945	10	
25.60	n/a	n/a	n/a	n/a	0	33.213	.0471	33.257	33.157	0	
25.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DEPTH						SVA					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	13	.34	19	12	1	392.1	.373.0	373.1	373.0	4	
24.20	14	.34	26	19	4	373.0	.03	354.2	354.1	4	
24.40	21	.32	41	35	7	354.1	.02	345.6	344.8	7	
24.60	21	.33	41	34	10	335.1	.24	316.7	315.8	10	
24.80	28	.14.8	56	20	11	297.5	.30	297.8	297.0	11	
25.00	45	.14.8	68	40	10	278.7	.30	279.3	278.3	10	
25.20	63	.16.2	88	49	8	259.8	.27	260.3	259.3	8	
25.40	73	.17.4	99	57	5	240.8	.21	241.1	240.6	5	
25.60	74	.10.2	90	65	5	222.1	.29	222.4	221.8	0	
25.80	90	.15.7	104	73	5	n/a	n/a	n/a	n/a	0	
26.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
THETA						SVA (THETA)					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	8.51	.589	8.86	7.76	1	389.7	.372.0	372.4	371.5	4	
24.20	n/a	n/a	n/a	n/a	0	372.0	.355.6	353.2	353.2	4	
24.40	n/a	n/a	n/a	n/a	0	353.1	.26	344.7	329.2	7	
24.60	n/a	n/a	n/a	n/a	0	333.1	.92	315.6	313.3	10	
24.80	n/a	n/a	n/a	n/a	0	314.9	.92	304.7	294.0	11	
25.00	n/a	n/a	n/a	n/a	0	296.2	.30	296.6	276.6	10	
25.20	n/a	n/a	n/a	n/a	0	277.5	.30	277.5	276.6	8	
25.40	n/a	n/a	n/a	n/a	0	257.9	.99	258.4	255.8	8	
25.60	n/a	n/a	n/a	n/a	0	238.7	.20	239.4	236.6	6	
25.80	n/a	n/a	n/a	n/a	0	220.2	.19	220.4	219.9	0	
26.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP01 J A N U A R Y 1956 to 1990

SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	.516	n/a	n/a	n/a	0	.03	n/a	n/a	n/a	0
24.00	.540	.1428	.750	.450	4	.04	.020	.07	.03	4
24.20	.817	.1360	1.020	.730	4	.09	.027	.13	.07	4
24.40	.779	.4997	1.480	.170	7	.11	.110	.30	.00	7
24.60	.960	.5343	1.960	.120	10	.17	.159	.54	.00	10
25.00	1.480	.5016	2.330	.640	11	.36	.221	.78	.06	11
25.20	2.002	.5199	2.910	1.210	10	.66	.326	1.22	.24	10
25.40	2.200	.4407	2.920	1.700	8	.82	.385	1.42	.48	8
25.60	2.226	.2404	2.620	2.040	8	.81	.221	1.17	.64	8
25.80	2.602	.3143	2.930	2.260	8	1.14	.335	1.45	.77	8
26.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
OXYGEN										
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	6.43	n/a	n/a	n/a	0	1480	2.6	1482	1477	4
24.00	6.98	n/a	n/a	n/a	0	1479	2.6	1484	1479	4
24.20	6.05	n/a	n/a	n/a	0	1481	2.2	1486	1479	7
24.40	6.10	n/a	n/a	n/a	0	1482	2.1	1488	1481	10
24.60	6.65	n/a	n/a	n/a	0	1485	2.8	1489	1481	11
24.80	5.31	n/a	n/a	n/a	0	1486	2.9	1489	1476	10
25.00	4.83	n/a	n/a	n/a	0	1485	1.4	1487	1479	8
25.20	4.39	n/a	n/a	n/a	0	1485	1.1	1486	1483	8
25.40	4.01	n/a	n/a	n/a	0	1485	1.1	1486	1483	8
25.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
25.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
SOUND										
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	1480	2.6	1482	1477	4	n/a	n/a	n/a	n/a	0
24.00	1479	2.6	1484	1479	4	n/a	n/a	n/a	n/a	0
24.20	1481	2.2	1486	1479	7	n/a	n/a	n/a	n/a	0
24.40	1482	2.1	1488	1481	10	n/a	n/a	n/a	n/a	0
24.60	1485	2.8	1489	1481	11	n/a	n/a	n/a	n/a	0
24.80	1486	2.9	1489	1476	10	n/a	n/a	n/a	n/a	0
25.00	1485	1.4	1487	1479	8	n/a	n/a	n/a	n/a	0
25.20	1485	1.1	1486	1483	8	n/a	n/a	n/a	n/a	0
25.40	1485	1.1	1486	1483	8	n/a	n/a	n/a	n/a	0
25.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
25.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP01 FEBRUARY 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	7.76	n/a	n/a	n/a	1	28.975	n/a	n/a	n/a	1	
22.80	7.78	n/a	n/a	n/a	1	29.270	n/a	n/a	n/a	1	
23.00	7.79	n/a	n/a	n/a	1	29.527	n/a	n/a	n/a	1	
23.20	8.62	1.153	9.43	7.80	2	29.938	.2588	30.121	29.755	2	
23.40	8.62	1.153	9.44	7.81	2	30.159	.2376	30.327	29.991	2	
23.60	8.65	1.372	9.62	7.68	2	30.444	.2779	30.641	30.248	2	
23.80	8.67	1.619	9.81	7.52	2	30.719	.3009	30.953	30.485	2	
24.00	8.34	1.428	9.98	7.37	3	30.885	.2858	31.214	30.702	3	
24.20	7.81	1.710	10.17	6.11	4	31.042	.3135	31.488	30.758	4	
24.40	7.96	1.689	10.39	6.53	4	31.328	.3143	31.784	31.070	4	
24.60	7.72	1.363	10.13	6.23	6	31.529	.2515	31.982	31.262	6	
24.80	8.25	1.382	10.31	6.52	8	31.876	.2601	32.278	31.569	8	
25.00	8.43	9.94	9.89	6.78	11	32.159	.1864	32.443	31.858	11	
25.20	8.38	6.81	9.23	7.11	11	32.402	.1270	32.564	32.170	11	
25.40	8.17	7.15	9.23	7.11	11	32.617	.1338	32.821	32.424	11	
25.60	8.00	5.52	8.98	7.31	9	32.840	.1020	33.027	32.717	9	
25.80	7.82	5.43	8.72	7.29	5	33.063	.1021	33.233	32.964	5	
26.00	7.45	3.16	7.78	7.15	5	33.249	.0563	33.308	33.196	3	
26.20	7.07	n/a	n/a	n/a	1	33.437	n/a	n/a	n/a	1	
26.40	6.99	n/a	n/a	n/a	1	33.676	n/a	n/a	n/a	1	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DEPTH						SVA					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	6	n/a	n/a	n/a	1	525.6	n/a	n/a	n/a	1	
22.80	7	n/a	n/a	n/a	1	506.3	n/a	n/a	n/a	1	
23.00	8	n/a	n/a	n/a	1	487.2	n/a	n/a	n/a	1	
23.20	5.5	5.7	9.9	1	2	468.3	.00	468.3	468.3	2	
23.40	8.8	4.9	11	4	2	449.3	.13	449.3	449.2	2	
23.60	9	4.2	12	6	2	430.1	.03	430.1	430.1	2	
23.80	11	3.5	13	6	2	410.9	.12	410.9	410.9	2	
24.00	16	2.5	25	9	3	392.0	.15	392.2	391.9	3	
24.20	15	2.9	29	6	4	373.0	.13	373.2	372.9	4	
24.40	18	2.9	31	6	6	354.0	.14	354.1	353.8	6	
24.60	20	2.2	33	6	6	335.0	.20	335.3	334.8	8	
24.80	26	12.4	49	6	8	316.1	.26	316.6	315.8	8	
25.00	36	13.3	55	13	11	297.2	.21	297.6	296.9	11	
25.20	52	18.0	83	25	11	278.4	.33	279.1	278.0	11	
25.40	65	20.6	107	35	11	259.6	.37	260.4	259.1	11	
25.60	71	18.9	94	41	9	240.7	.35	241.2	240.2	9	
25.80	78	27.4	118	48	5	221.8	.50	222.6	221.3	5	
26.00	86	21.2	102	62	3	202.8	.29	203.0	202.5	3	
26.20	114	n/a	n/a	n/a	1	184.2	n/a	n/a	n/a	1	
26.40	134	n/a	n/a	n/a	1	165.6	n/a	n/a	n/a	1	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	7.76	n/a	n/a	n/a	1	524.3	n/a	n/a	n/a	1	
22.80	7.78	n/a	n/a	n/a	1	502.5	n/a	n/a	n/a	1	
23.00	7.79	n/a	n/a	n/a	1	483.4	n/a	n/a	n/a	1	
23.20	8.62	1.153	9.43	7.80	2	464.2	3.25	466.5	461.9	2	
23.40	8.62	1.153	9.44	7.81	2	447.9	1.63	449.0	446.7	2	
23.60	8.65	1.372	9.62	7.68	2	427.2	1.49	428.2	426.1	2	
23.80	8.67	1.619	9.81	7.52	2	407.1	1.77	408.4	405.9	2	
24.00	8.34	1.431	9.98	7.37	3	390.3	1.15	391.4	389.1	3	
24.20	7.81	1.710	10.17	6.11	4	371.8	.68	372.5	370.9	4	
24.40	7.96	1.689	10.39	6.53	4	352.6	.80	353.5	351.6	4	
24.60	7.72	1.359	10.12	6.23	6	334.1	.67	334.6	332.9	6	
24.80	8.25	1.382	10.31	6.52	8	315.4	.31	315.6	314.8	8	
25.00	8.42	9.91	9.88	6.78	11	296.4	.29	296.6	295.6	11	
25.20	8.37	6.82	9.22	7.10	11	277.4	.11	277.5	277.2	11	
25.40	8.16	7.13	9.22	7.11	11	258.4	.09	258.5	258.2	11	
25.60	7.99	5.49	8.97	7.31	9	239.4	.09	239.5	239.2	9	
25.80	7.82	5.42	8.71	7.28	5	220.3	.04	220.4	220.3	5	
26.00	7.44	3.16	7.77	7.14	3	201.4	.05	201.4	201.3	3	
26.20	7.06	n/a	n/a	n/a	1	182.2	n/a	n/a	n/a	1	
26.40	6.98	n/a	n/a	n/a	1	163.4	n/a	n/a	n/a	1	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP01 F E B R U A R Y 1956 to 1990

SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	.340	n/a	n/a	n/a	1	.01	n/a	n/a	n/a	1
22.80	.400	n/a	n/a	n/a	1	.01	n/a	n/a	n/a	1
23.00	.450	n/a	n/a	n/a	1	.02	n/a	n/a	n/a	1
23.20	.280	.3111	.500	.060	2	.01	.014	.02	.00	2
23.40	.380	.2546	.560	.200	2	.01	.021	.03	.00	2
23.60	.445	.2333	.610	.280	2	.02	.021	.04	.01	2
23.80	.500	.2263	.660	.340	2	.02	.021	.04	.01	2
24.00	.703	.3050	1.010	.400	3	.07	.057	.13	.02	3
24.20	.657	.4023	1.170	.230	4	.07	.071	.17	.01	4
24.40	.755	.3879	1.260	.340	4	.08	.081	.20	.02	4
24.60	.762	.3946	1.430	.310	6	.08	.080	.22	.01	6
24.80	.948	.4658	1.770	.190	8	.15	.127	.42	.01	8
25.00	1.181	.4266	1.740	.390	11	.24	.150	.48	.02	11
25.20	1.645	.5438	2.550	.650	11	.47	.298	1.04	.08	11
25.40	1.975	.5978	2.210	.930	11	.68	.421	1.68	.16	11
25.60	2.127	.5324	2.650	1.080	9	.77	.363	1.21	.22	9
25.80	2.316	.7377	3.190	1.250	5	.93	.613	1.84	.30	5
26.00	2.407	.7601	2.960	1.540	5	.99	.483	1.41	.46	5
26.20	2.200	n/a	n/a	n/a	1	1.68	n/a	n/a	n/a	1
26.40	3.540	n/a	n/a	n/a	0	2.11	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	1474	n/a	n/a	n/a	1
22.80	n/a	n/a	n/a	n/a	0	1475	n/a	n/a	n/a	1
23.00	n/a	n/a	n/a	n/a	0	1475	n/a	n/a	n/a	1
23.20	n/a	n/a	n/a	n/a	0	1479	4.9	1482	1475	2
23.40	n/a	n/a	n/a	n/a	0	1479	4.2	1482	1476	2
23.60	n/a	n/a	n/a	n/a	0	1480	4.9	1483	1476	2
23.80	n/a	n/a	n/a	n/a	0	1480	7.1	1485	1475	2
24.00	n/a	n/a	n/a	n/a	0	1479	6.1	1486	1475	2
24.20	n/a	n/a	n/a	n/a	0	1477	7.1	1487	1470	4
24.40	n/a	n/a	n/a	n/a	0	1478	7.0	1488	1472	4
24.60	n/a	n/a	n/a	n/a	0	1477	5.5	1487	1471	6
24.80	n/a	n/a	n/a	n/a	0	1480	5.8	1489	1473	8
25.00	n/a	n/a	n/a	n/a	0	1481	4.6	1487	1475	11
25.20	n/a	n/a	n/a	n/a	0	1482	2.8	1486	1477	11
25.40	n/a	n/a	n/a	n/a	0	1482	3.0	1486	1477	11
25.60	n/a	n/a	n/a	n/a	0	1481	2.6	1486	1478	9
25.80	n/a	n/a	n/a	n/a	0	1481	2.3	1485	1479	9
26.00	n/a	n/a	n/a	n/a	0	1480	1.0	1481	1479	1
26.20	n/a	n/a	n/a	n/a	0	1479	n/a	n/a	n/a	1
26.40	n/a	n/a	n/a	n/a	0	1479	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP01 M A R C H 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	8.07	n/a	n/a	n/a	1	29.013	n/a	n/a	n/a	1	
22.80	8.03	n/a	n/a	n/a	1	29.290	n/a	n/a	n/a	1	
23.00	8.00	n/a	n/a	n/a	1	29.536	n/a	n/a	n/a	1	
23.20	7.97	n/a	n/a	n/a	1	29.771	n/a	n/a	n/a	1	
23.40	7.92	n/a	n/a	n/a	1	30.035	n/a	n/a	n/a	1	
23.60	8.16	.417	8.46	7.87	2	30.340	.0966	30.409	30.272	2	
23.80	8.05	.191	8.18	7.91	2	30.571	.0592	30.613	30.529	2	
24.00	8.31	.619	9.23	7.92	4	30.899	.1453	31.115	30.803	4	
24.20	8.32	.622	9.20	7.80	4	31.134	.1018	31.283	31.055	4	
24.40	8.35	.481	8.94	7.70	6	31.398	.0880	31.505	31.274	6	
24.60	8.45	1.943	11.22	7.60	14	31.661	.1977	32.223	31.503	14	
24.80	8.34	1.000	11.08	7.32	24	31.889	.2001	32.449	31.695	24	
25.00	8.29	6.38	9.50	7.41	23	32.132	.1200	32.371	31.967	23	
25.20	8.34	5.21	9.28	7.47	23	32.395	.0970	32.573	32.231	23	
25.40	8.34	.437	9.09	7.48	21	32.648	.0825	32.793	32.487	21	
25.60	8.24	.397	8.84	7.51	17	32.886	.0718	33.000	32.747	17	
25.80	8.08	.273	8.34	7.48	13	33.111	.0450	33.159	33.023	13	
26.00	7.94	.224	8.16	7.44	11	33.341	.0358	33.378	33.270	11	
26.20	7.70	.143	7.85	7.39	9	33.548	.0262	33.577	33.492	9	
26.40	7.43	.002	7.43	7.43	2	33.754	.0068	33.755	33.753	2	
26.60	6.85	n/a	n/a	n/a	1	33.906	n/a	n/a	n/a	1	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	9	n/a	n/a	n/a	1	525.7	n/a	n/a	n/a	1	
22.80	12	n/a	n/a	n/a	1	506.5	n/a	n/a	n/a	1	
23.00	14	n/a	n/a	n/a	1	487.4	n/a	n/a	n/a	1	
23.20	15	n/a	n/a	n/a	1	468.4	n/a	n/a	n/a	1	
23.40	17	n/a	n/a	n/a	1	449.2	n/a	n/a	n/a	1	
23.60	13	9.2	19	16	2	430.2	.00	430.2	430.2	2	
23.80	17	5.7	21	13	2	411.2	.11	411.2	411.2	2	
24.00	19	13.5	34	22	4	392.1	.14	392.3	391.9	4	
24.20	21	15.0	38	25	4	373.0	.17	373.3	372.9	4	
24.40	22	15.5	43	25	6	354.0	.17	354.3	353.8	6	
24.60	26	15.0	52	22	14	335.1	.27	335.8	334.7	14	
24.80	31	16.0	72	44	24	316.2	.33	317.4	315.7	24	
25.00	39	14.2	60	8	23	297.2	.23	297.7	296.8	23	
25.20	47	18.0	80	12	23	278.3	.29	278.9	277.8	23	
25.40	56	16.8	84	17	21	259.5	.28	260.0	258.9	21	
25.60	67	14.0	999	45	17	240.7	.25	241.3	240.3	17	
25.80	75	10.6	96	56	13	221.8	.15	222.1	221.5	13	
26.00	81	7.9	94	69	11	202.9	.10	203.1	202.7	11	
26.20	89	7.5	102	80	9	184.0	.09	184.1	183.9	9	
26.40	113	28.3	133	93	22	165.3	.42	165.6	165.0	2	
26.60	153	n/a	n/a	n/a	1	146.9	n/a	n/a	n/a	1	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	8.07	n/a	n/a	n/a	1	525.5	n/a	n/a	n/a	1	
22.80	8.03	n/a	n/a	n/a	1	504.2	n/a	n/a	n/a	1	
23.00	8.00	n/a	n/a	n/a	1	485.5	n/a	n/a	n/a	1	
23.20	7.96	n/a	n/a	n/a	1	467.5	n/a	n/a	n/a	1	
23.40	7.92	n/a	n/a	n/a	1	447.2	n/a	n/a	n/a	1	
23.60	8.16	.417	8.46	7.87	2	427.8	1.56	428.9	426.7	2	
23.80	8.04	.191	8.17	7.90	22	408.9	1.91	410.2	407.5	22	
24.00	8.30	.621	9.23	7.92	4	388.2	2.50	391.2	385.1	4	
24.20	8.32	.622	9.20	7.80	4	370.9	2.63	372.6	367.0	4	
24.40	8.35	.481	8.94	7.70	6	351.6	1.67	353.7	348.0	6	
24.60	8.45	.941	11.21	7.60	14	333.3	2.39	334.7	325.9	14	
24.80	8.33	.997	11.07	7.32	24	315.3	.61	315.7	312.9	24	
25.00	8.29	6.39	9.50	7.40	23	296.2	.67	296.6	293.4	23	
25.20	8.34	.521	9.27	7.46	23	277.3	.57	277.6	275.0	23	
25.40	8.34	.438	9.09	7.47	21	258.4	.06	258.5	258.3	21	
25.60	8.23	.398	8.84	7.50	17	239.3	.57	239.5	237.1	17	
25.80	8.07	.275	8.34	7.47	13	220.2	.77	220.5	217.6	13	
26.00	7.93	.225	8.15	7.43	11	201.2	.54	201.5	199.6	11	
26.20	7.69	.144	7.85	7.38	9	182.4	.04	182.4	182.3	9	
26.40	7.41	.007	7.42	7.41	2	163.4	.03	163.4	163.4	2	
26.60	6.83	n/a	n/a	n/a	1	144.4	n/a	n/a	n/a	1	

STATION MP01 M A R C H 1956 to 1990

SIGMA -T-	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	.500	n/a	n/a	n/a	1	.02	n/a	n/a	n/a	1
22.80	.610	n/a	n/a	n/a	1	.04	n/a	n/a	n/a	1
23.00	.710	n/a	n/a	n/a	1	.05	n/a	n/a	n/a	1
23.20	.800	n/a	n/a	n/a	1	.06	n/a	n/a	n/a	1
23.40	.880	n/a	n/a	n/a	1	.08	n/a	n/a	n/a	1
23.60	.615	.4879	.960	.270	2	.05	.057	.09	.01	2
23.80	.800	.3536	1.050	.550	2	.07	.049	.11	.04	2
24.00	.830	.5822	1.390	.070	4	.11	.103	.24	.00	4
24.20	.902	.6558	1.550	.190	4	.13	.141	.36	.00	4
24.40	.883	.6548	1.710	.070	6	.14	.143	.48	.00	6
24.60	.936	.5811	1.860	.070	14	.16	.160	.90	.00	14
24.80	1.062	.5825	2.470	.140	24	.21	.214	.65	.01	24
25.00	1.307	.5255	2.360	.270	23	.29	.188	1.07	.02	23
25.20	1.521	.6459	2.970	.380	23	.40	.279	1.16	.04	21
25.40	1.767	.6162	3.080	.510	21	.52	.284	1.51	.29	17
25.60	2.058	.5648	4.500	1.320	17	.70	.319	1.21	.41	13
25.80	2.178	.3359	0.010	1.570	13	.80	.215	1.33	.59	11
26.00	2.306	.3307	1.400	1.840	11	.89	.203	1.48	.84	9
26.20	2.514	.3283	0.290	2.220	9	1.05	.201	1.88	n/a	1
26.40	2.875	.4738	0.210	2.540	2	1.49	.552	1.10	n/a	2
26.60	3.470	n/a	n/a	n/a	1	2.27	n/a	n/a	n/a	1

SIGMA -T-	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	1476	n/a	n/a	n/a	1
22.80	n/a	n/a	n/a	n/a	0	1476	n/a	n/a	n/a	1
23.00	n/a	n/a	n/a	n/a	0	1476	n/a	n/a	n/a	1
23.20	n/a	n/a	n/a	n/a	0	1476	n/a	n/a	n/a	1
23.40	n/a	n/a	n/a	n/a	0	1476	n/a	n/a	n/a	1
23.60	n/a	n/a	n/a	n/a	0	1478	1.4	1479	1477	2
23.80	n/a	n/a	n/a	n/a	0	1478	2.7	1478	1477	2
24.00	n/a	n/a	n/a	n/a	0	1479	2.5	1483	1478	4
24.20	n/a	n/a	n/a	n/a	0	1480	2.4	1483	1478	4
24.40	n/a	n/a	n/a	n/a	0	1480	1.7	1482	1478	6
24.60	n/a	n/a	n/a	n/a	0	1481	3.8	1492	1477	14
24.80	n/a	n/a	n/a	n/a	0	1481	4.3	1492	1476	24
25.00	6.42	n/a	n/a	n/a	1	1481	2.6	1486	1477	23
25.20	n/a	n/a	n/a	n/a	0	1482	2.2	1486	1478	23
25.40	n/a	n/a	n/a	n/a	0	1482	1.7	1485	1479	21
25.60	n/a	n/a	n/a	n/a	0	1482	1.7	1485	1479	17
25.80	n/a	n/a	n/a	n/a	0	1482	1.1	1483	1480	13
26.00	n/a	n/a	n/a	n/a	0	1482	.8	1483	1480	11
26.20	n/a	n/a	n/a	n/a	0	1481	.7	1482	1480	9
26.40	n/a	n/a	n/a	n/a	0	1481	.0	1481	1481	2
26.60	n/a	n/a	n/a	n/a	0	1480	n/a	n/a	n/a	1

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TEMPERATURE						SALINITY						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	10.08	n/a	n/a	n/a	1	30.704	n/a	n/a	n/a	0		
23.80	9.92	n/a	n/a	n/a	1	30.909	n/a	n/a	n/a	0		
24.00	9.63	.552	10.02	9.24	2	31.166	.0388	n/a	n/a	0		
24.20	9.34	.484	10.01	9.87	4	31.314	.1072	31.193	31.138	1		
24.40	8.95	.830	9.98	7.80	5	31.507	.1713	31.463	31.213	4		
24.60	8.73	.890	9.95	7.55	6	31.718	.1809	31.942	31.275	5		
24.80	8.66	.881	9.77	7.43	6	31.963	.1720	32.172	31.479	6		
25.00	8.50	.826	9.63	7.38	7	32.174	.1564	32.390	31.717	7		
25.20	8.40	.793	9.47	7.43	7	32.407	.1509	32.614	32.225	7		
25.40	8.25	.766	9.40	7.53	7	32.637	.1457	32.857	32.498	7		
25.60	8.18	.649	9.14	7.50	7	32.882	.1215	33.060	32.752	7		
25.80	8.04	.553	8.86	7.45	7	33.106	.1065	33.259	32.992	7		
26.00	7.65	.427	8.34	7.22	5	33.287	.0788	33.413	33.207	5		
26.20	7.54	.348	7.91	7.22	3	33.521	.0648	33.590	33.461	3		
26.40	7.50	n/a	n/a	n/a	0	33.766	n/a	n/a	n/a	0		
26.60	n/a	n/a	n/a	n/a	0					0		
SIGMA	DEPTH						SVA					
-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40	n/a	n/a	n/a	n/a	0	430.2	n/a	n/a	n/a	0		
23.60	6	n/a	n/a	n/a	1	411.2	n/a	n/a	n/a	1		
23.80	10	n/a	n/a	n/a	1	392.1	.21	392.2	391.9	2		
24.00	9	7.1	14	4	2	373.0	.07	373.1	372.9	4		
24.20	11	6.9	17	22	4	354.0	.12	354.1	353.8	5		
24.40	18	4.7	24	13	5	335.0	.16	335.2	334.8	6		
24.60	18	8.5	31	5	6	316.0	.20	316.3	315.7	6		
24.80	22	9.9	38	7	6	297.1	.19	297.3	296.8	7		
25.00	26	11.8	43	9	7	278.3	.23	278.5	277.9	7		
25.20	40	13.2	54	21	7	259.5	.27	259.8	259.0	7		
25.40	58	13.0	72	33	7	240.7	.32	241.6	240.1	7		
25.60	69	15.3	85	42	7	221.8	.28	222.1	221.3	7		
25.80	78	14.7	93	51	7	203.0	.25	203.2	202.6	5		
26.00	92	14.6	109	69	5	184.1	.15	184.3	184.0	3		
26.20	102	3.5	106	99	5	165.5	n/a	n/a	n/a	0		
26.40	119	n/a	n/a	n/a	0					0		
26.60	n/a	n/a	n/a	n/a	0					0		
SIGMA	THETA						SVA (THETA)					
-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40	n/a	n/a	n/a	n/a	0	428.5	n/a	n/a	n/a	0		
23.60	10.08	n/a	n/a	n/a	1	410.8	n/a	n/a	n/a	1		
23.80	9.92	n/a	n/a	n/a	1	387.4	5.45	391.3	383.6	2		
24.00	9.63	.552	10.02	9.24	2	372.1	.67	372.6	371.2	4		
24.20	9.34	.484	10.01	9.87	4	352.2	2.06	353.6	348.7	5		
24.40	8.95	.830	9.98	7.00	5	333.4	2.03	334.7	329.4	6		
24.60	8.73	.890	9.95	7.55	6	314.2	1.28	315.5	312.2	6		
24.80	8.66	.885	9.77	7.42	6	296.2	.46	296.6	295.5	6		
25.00	8.50	.822	9.62	7.38	7	277.4	.20	277.6	277.0	7		
25.20	8.39	.790	9.46	7.43	7	258.1	.59	258.5	257.0	7		
25.40	8.24	.764	9.39	7.53	7	238.8	.89	239.4	237.2	7		
25.60	8.17	.646	9.13	7.50	7	220.1	.56	220.5	218.9	6		
25.80	8.03	.553	8.85	7.44	7	201.2	.35	201.4	200.6	5		
26.00	7.64	.427	8.33	7.21	5	182.3	.21	182.5	182.1	3		
26.20	7.53	.348	7.90	7.21	3	163.4	n/a	n/a	n/a	0		
26.40	7.49	n/a	n/a	n/a	0					0		
26.60	n/a	n/a	n/a	n/a	0					0		

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SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	.280	n/a	n/a	n/a	1	.01	n/a	n/a	n/a	1
23.80	.440	n/a	n/a	n/a	1	.02	n/a	.04	.00	2
24.00	.380	.3111	.600	.160	24	.03	.030	.06	.00	4
24.20	.450	.2861	.690	.070	4	.06	.031	.10	.03	5
24.40	.676	.1714	.870	.490	5	.08	.060	.18	.00	6
24.60	.688	.3187	1.130	.180	6	.10	.084	.26	.01	6
24.80	.813	.3634	1.370	.250	6	.13	.105	.32	.01	7
25.00	.904	.4312	1.520	.320	7	.28	.156	.48	.07	7
25.20	1.329	.4709	1.830	.650	7	.53	.195	.72	.16	7
25.40	1.814	.4080	2.130	.950	7	.71	.272	.98	.24	7
25.60	2.076	.4553	2.460	1.170	7	.87	.295	1.16	.35	7
25.80	2.299	.4423	2.670	1.400	7	1.12	.339	1.50	.57	5
26.00	2.554	.4521	2.870	1.760	5	1.29	.145	1.44	1.15	3
26.20	2.760	.3005	2.990	2.420	3	1.70	n/a	n/a	n/a	1
26.40	3.210	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0					0
SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	1485	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	1485	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	1485	2.1	1486	1483	2
24.00	n/a	n/a	n/a	n/a	0	1485	2.1	1486	1481	4
24.20	n/a	n/a	n/a	n/a	0	1483	2.1	1486	1478	5
24.40	n/a	n/a	n/a	n/a	0	1482	.0	1486	1478	6
24.60	n/a	n/a	n/a	n/a	0	1482	.7	1487	1477	6
24.80	n/a	n/a	n/a	n/a	0	1482	.7	1486	1477	7
25.00	n/a	n/a	n/a	n/a	0	1482	.3	1486	1477	7
25.20	n/a	n/a	n/a	n/a	0	1482	.3	1486	1478	7
25.40	n/a	n/a	n/a	n/a	0	1482	.1	1486	1479	7
25.60	n/a	n/a	n/a	n/a	0	1482	.2	1486	1479	7
25.80	n/a	n/a	n/a	n/a	0	1482	.2	1485	1479	7
26.00	n/a	n/a	n/a	n/a	0	1481	1.0	1484	1479	5
26.20	n/a	n/a	n/a	n/a	0	1481	n/a	1482	1480	3
26.40	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	1
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP01 M A Y 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	30.625	n/a	n/a	n/a	0	
22.80	11.58	n/a	n/a	n/a	1	30.250	.0175	30.263	30.237	1	
23.00	11.30	.325	11.53	11.07	2	30.381	.3049	30.848	30.002	5	
23.20	10.91	1.326	12.82	9.13	5	30.574	.2482	30.996	30.161	8	
23.40	10.64	1.154	12.52	8.64	8	30.773	.1958	31.172	30.369	12	
23.60	10.38	.940	12.15	8.36	12	30.976	.1839	31.326	30.571	17	
23.80	10.14	.862	11.73	8.16	17	31.164	.1621	31.465	30.804	19	
24.00	9.82	.760	11.28	8.03	19	31.482	.1821	31.752	31.034	22	
24.20	9.72	.873	11.32	7.91	22	31.586	.1422	31.859	31.285	27	
24.40	9.41	.700	10.62	7.87	27	31.796	.1348	32.076	31.524	31	
24.60	9.17	.665	10.50	7.79	31	31.989	.1093	32.151	31.773	33	
24.80	8.86	.548	9.68	7.77	33	32.183	.0918	32.319	31.994	33	
25.00	8.55	.475	9.28	7.56	33	32.395	.0831	32.556	32.221	33	
25.20	8.33	.436	9.18	7.42	33	32.613	.0778	32.776	32.467	33	
25.40	8.13	.406	8.99	7.32	33	32.843	.0713	32.985	32.707	33	
25.60	7.98	.375	8.76	7.24	33	33.063	.0630	33.189	32.946	31	
25.80	7.80	.339	8.51	7.19	31	33.278	.0537	33.384	33.197	28	
26.00	7.59	.305	8.19	7.11	28	33.480	.0484	33.572	33.413	20	
26.20	7.31	.278	7.83	6.89	20	33.664	.0374	33.741	33.623	7	
26.40	6.91	.224	7.36	6.65	7	33.888	n/a	n/a	n/a	1	
26.60	6.74	n/a	n/a	n/a	1						
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	506.5	n/a	n/a	n/a	0	
22.80	500.0	n/a	n/a	n/a	1	487.4	.03	487.5	487.4	2	
23.00	487.7	.7	n/a	n/a	2	468.4	.05	468.5	468.3	5	
23.20	480.8	4.2	11	1	449.3	.12	449.5	449.2	8		
23.40	480.10	4.7	19	5	430.2	.07	430.4	430.1	12		
23.60	480.11	4.9	23	1	411.2	.12	411.4	411.0	17		
23.80	480.14	5.6	27	17	392.2	.12	392.4	391.9	19		
24.00	480.17	6.0	32	19	373.2	.11	373.3	372.9	22		
24.20	480.20	6.8	39	22	354.1	.14	354.4	353.8	27		
24.40	480.22	9.0	46	27	335.1	.18	335.5	334.7	31		
24.60	480.25	10.6	52	31	316.1	.18	316.5	315.7	33		
24.80	480.30	11.9	57	33	297.2	.16	297.5	296.9	33		
25.00	480.36	11.6	63	33	278.3	.19	278.7	277.9	33		
25.20	480.44	11.6	68	33	259.4	.24	259.9	258.9	33		
25.40	480.52	12.3	77	33	240.5	.26	241.1	239.9	33		
25.60	480.60	13.8	90	33	221.6	.28	222.3	220.9	31		
25.80	480.69	14.0	102	41	202.8	.26	203.4	202.2	28		
26.00	480.78	14.7	115	45	183.9	.30	184.6	183.5	20		
26.20	480.90	15.0	124	68	165.1	.32	165.7	164.8	7		
26.40	480.104	18.6	138	85	146.7	n/a	n/a	n/a	1		
26.60	480.145	n/a	n/a	n/a	1						
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	11.58	n/a	n/a	n/a	1	503.2	n/a	n/a	n/a	1	
23.00	11.30	.325	11.53	11.07	2	481.9	4.10	484.8	479.0	2	
23.20	10.91	1.326	12.82	9.13	5	466.4	1.37	467.9	464.3	8	
23.40	10.64	1.154	12.52	8.64	8	447.6	1.12	448.8	445.5	8	
23.60	10.37	0.939	12.15	8.36	12	428.5	1.19	429.9	426.7	17	
23.80	10.14	.863	11.73	8.16	17	409.6	1.72	391.8	385.1	19	
24.00	9.81	.761	11.27	8.02	19	371.6	1.40	372.8	367.2	22	
24.20	9.72	.871	11.32	7.91	22	353.1	.82	353.7	350.9	27	
24.40	9.41	.700	10.61	7.86	27	333.9	.79	334.6	331.1	31	
24.60	9.17	.667	10.50	7.79	31	314.9	1.08	315.7	311.3	33	
24.80	8.85	.549	9.68	7.77	33	296.1	.89	296.6	291.7	33	
25.00	8.55	.476	9.28	7.56	33	277.1	1.02	277.6	273.5	33	
25.20	8.33	.436	9.17	7.41	33	258.0	1.12	258.6	254.2	33	
25.40	8.12	.405	8.99	7.32	33	238.8	1.25	239.5	235.1	33	
25.60	7.97	.375	8.76	7.24	33	219.9	1.10	220.5	216.8	31	
25.80	7.79	.339	8.50	7.18	31	201.1	.71	201.5	198.4	28	
26.00	7.58	.304	8.18	7.11	28	182.3	.42	182.5	180.6	20	
26.20	7.30	.278	8.82	6.89	20	163.3	.17	163.4	163.0	7	
26.40	6.90	.221	7.34	6.64	7	144.4	n/a	n/a	n/a	1	
26.60	6.73	n/a	n/a	n/a	1						

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	.000	n/a	n/a	n/a	1	.00	n/a	n/a	n/a	1	
23.00	.315	.0495	.350	.280	2	.01	.000	.01	.01	2	
23.20	.394	.2040	.550	.050	55	.02	.013	.03	.00	55	
23.40	.490	.2303	.930	.250	88	.03	.026	.09	.01	88	
23.60	.524	.2440	1.110	.150	12	.04	.034	.13	.00	12	
23.80	.621	.2620	1.270	.210	17	.05	.038	.17	.01	17	
24.00	.741	.2738	1.450	.130	19	.07	.048	.23	.00	19	
24.20	.845	.3072	1.720	.350	22	.09	.066	.32	.01	22	
24.40	.908	.3918	1.970	.280	27	.12	.089	.43	.01	27	
24.60	.990	.4473	2.190	.000	31	.14	.110	.54	.00	31	
24.80	1.125	.4989	2.370	.130	33	.19	.137	.64	.00	33	
25.00	1.319	.4846	2.530	.390	33	.25	.158	.74	.03	33	
25.20	1.542	.4808	2.680	.640	33	.34	.183	.85	.07	33	
25.40	1.776	.4884	2.830	.850	33	.46	.215	.95	.12	33	
25.60	1.976	.5125	3.000	1.030	33	.58	.261	1.21	.18	33	
25.80	2.170	.5178	3.240	1.270	31	.71	.297	1.50	.24	31	
26.00	2.342	.5225	3.510	1.350	28	.85	.336	1.79	.28	28	
26.20	2.506	.5105	3.690	1.790	29	1.03	.373	2.02	.53	29	
26.40	2.696	.5739	3.630	2.090	7	1.25	.486	2.12	.76	7	
26.60	3.690	n/a	n/a	n/a	1	2.17	n/a	n/a	n/a	1	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	1490	n/a	n/a	n/a	1	
23.00	n/a	n/a	n/a	n/a	0	1489	1.4	1490	1488	2	
23.20	n/a	n/a	n/a	n/a	0	1488	5.0	1495	1481	5	
23.40	n/a	n/a	n/a	n/a	0	1487	4.5	1494	1479	8	
23.60	7.58	n/a	n/a	n/a	1	1487	4.5	1493	1479	12	
23.80	6.92	.240	7.09	6.75	22	1486	3.4	1492	1478	17	
24.00	6.65	.156	6.76	6.54	22	1485	3.1	1491	1478	19	
24.20	6.40	.120	6.49	6.32	22	1485	3.4	1491	1478	22	
24.40	6.18	.099	6.25	6.11	22	1484	2.7	1489	1478	27	
24.60	5.89	.092	5.96	5.83	22	1484	2.7	1488	1478	31	
24.80	5.57	.127	5.66	5.48	22	1483	2.1	1486	1478	33	
25.00	5.29	.134	5.38	5.19	22	1482	1.9	1485	1478	33	
25.20	4.80	.057	4.84	4.76	22	1482	1.8	1485	1478	33	
25.40	4.35	.092	4.41	4.28	22	1481	1.7	1485	1478	33	
25.60	3.92	.156	4.03	3.81	22	1481	1.7	1484	1478	33	
25.80	3.54	.198	3.68	3.40	22	1481	1.5	1484	1478	31	
26.00	3.12	.127	3.21	3.03	22	1480	1.5	1483	1478	28	
26.20	2.69	.021	2.70	2.67	22	1479	1.3	1482	1478	20	
26.40	n/a	n/a	n/a	n/a	0	1479	n/a	1481	1477	7	
26.60	n/a	n/a	n/a	n/a	0	1479	n/a	n/a	n/a	1	

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SIGMA -T.		TEMPERATURE					SALINITY				
		MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	14.31	n/a	n/a	n/a	n/a	1	30.397	n/a	n/a	n/a	1
22.80	13.58	n/a	n/a	n/a	n/a	1	30.517	n/a	n/a	n/a	1
23.00	13.02	n/a	n/a	n/a	n/a	1	30.508	n/a	n/a	n/a	1
23.20	12.48	n/a	n/a	n/a	n/a	1	30.736	n/a	n/a	n/a	1
23.40	12.72	1.082	13.49	11.96	11	2	31.093	.2985	31.304	30.882	2
23.60	12.14	1.444	13.48	9.67	7		31.197	.2845	31.486	30.797	7
23.80	11.63	1.014	12.71	9.49	10		31.352	.1778	31.589	31.100	10
24.00	11.20	.833	12.50	9.39	12		31.495	.1613	31.794	31.264	12
24.20	10.70	.623	11.72	9.32	13		31.612	.1310	31.845	31.376	13
24.40	10.61	.722	11.90	9.09	25		31.841	.1577	32.130	31.542	25
24.60	10.06	.612	11.52	8.78	30		31.980	.1313	32.315	31.722	30
24.80	9.50	.478	10.88	8.56	35		32.116	.1010	32.423	31.939	35
25.00	8.97	.354	9.95	8.32	35		32.267	.0728	32.462	32.148	35
25.20	8.52	.257	9.20	8.04	34		32.430	.0515	32.574	32.333	34
25.40	8.22	.188	8.81	7.86	34		32.626	.0364	32.741	32.559	34
25.60	7.99	.149	8.55	7.72	33		32.840	.0282	32.946	32.786	33
25.80	7.76	.123	8.25	7.59	33		33.051	.0229	33.143	32.017	33
26.00	7.51	.111	7.92	7.31	32		33.260	.0210	33.334	33.225	32
26.20	7.25	.113	7.56	7.04	25		33.469	.0203	33.522	33.430	25
26.40	6.90	.098	7.03	6.69	15		33.661	.0173	33.682	33.624	15
26.60	6.53	.057	6.57	6.45	4		33.853	.0126	33.859	33.838	4
SIGMA -T.		DEPTH					SVA				
		MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	5	n/a	n/a	n/a	n/a	1	525.7	n/a	n/a	n/a	1
22.80	7	n/a	n/a	n/a	n/a	1	506.6	n/a	n/a	n/a	1
23.00	9	n/a	n/a	n/a	n/a	1	487.5	n/a	n/a	n/a	1
23.20	11	n/a	n/a	n/a	n/a	1	468.4	n/a	n/a	n/a	1
23.40	8	7.8	13	2	7		449.3	.13	449.3	449.2	2
23.60	6	4.1	14	1	7		430.2	.08	430.3	430.0	7
23.80	9	4.8	17	1	10		411.1	.16	411.3	410.8	10
24.00	11	6.3	19	3	13		392.1	.18	392.3	391.8	12
24.20	14	6.3	23	6	13		373.1	.13	373.3	372.9	13
24.40	13	9.0	30	1	25		354.0	.16	354.4	353.8	25
24.60	16	8.8	30	3	30		335.0	.15	335.3	334.8	30
24.80	22	8.4	38	0	35		316.1	.13	316.3	315.7	35
25.00	27	9.7	44	4	35		297.1	.17	297.4	296.7	35
25.20	32	10.4	49	10	34		278.1	.17	278.4	277.8	34
25.40	43	13.1	65	15	34		259.3	.21	259.6	258.8	34
25.60	52	14.7	82	18	33		240.4	.23	240.8	239.8	33
25.80	62	15.1	87	23	33		221.5	.24	221.9	220.9	33
26.00	70	13.4	92	42	32		202.6	.20	202.9	202.2	32
26.20	79	12.6	99	49	25		183.7	.19	184.0	183.3	25
26.40	91	14.4	111	59	15		164.9	.21	165.2	164.4	15
26.60	118	24.7	145	85	4		146.3	.33	146.6	145.8	4
SIGMA -T.		THETA					SVA (THETA)				
		MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	14.31	n/a	n/a	n/a	n/a	1	525.6	n/a	n/a	n/a	1
22.80	13.58	n/a	n/a	n/a	n/a	1	502.7	n/a	n/a	n/a	1
23.00	13.01	n/a	n/a	n/a	n/a	1	485.4	n/a	n/a	n/a	1
23.20	12.48	n/a	n/a	n/a	n/a	1	466.2	n/a	n/a	n/a	1
23.40	12.72	1.082	13.49	11.96	11	2	444.8	2.26	446.4	443.2	2
23.60	12.14	1.443	13.47	9.67	7		427.4	5.29	429.9	415.4	7
23.80	11.63	1.014	12.71	9.49	10		406.4	6.14	410.8	390.1	10
24.00	11.20	.833	12.50	9.39	12		388.5	4.35	391.7	376.4	12
24.20	10.70	.623	11.72	9.32	13		371.1	1.55	372.8	367.0	13
24.40	10.61	.722	11.90	9.99	25		353.0	.62	353.7	351.3	25
24.60	10.06	.612	11.52	8.78	30		333.9	.68	334.7	332.2	30
24.80	9.50	.478	10.88	8.56	35		315.1	.52	315.6	313.2	35
25.00	8.97	.355	9.95	8.51	35		295.8	.89	296.5	292.7	35
25.20	8.52	.257	9.26	8.04	34		277.1	.65	277.6	274.6	34
25.40	8.22	.190	8.81	7.86	34		258.3	.20	258.5	257.7	34
25.60	7.98	.150	8.55	7.72	33		239.2	.76	239.5	235.8	33
25.80	7.75	.124	8.25	7.58	33		220.2	.87	220.5	215.8	33
26.00	7.50	.111	7.91	7.90	32		201.3	.67	201.5	197.6	32
26.20	7.24	.112	7.55	7.03	25		182.3	.35	182.5	180.9	25
26.40	6.89	.098	7.02	6.68	15		163.4	.07	163.5	163.3	15
26.60	6.53	.057	6.56	6.44	4		144.5	.05	144.5	144.4	4

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SIGMA -T-	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	.260	n/a	n/a	n/a	1	.01	n/a	n/a	n/a	1
22.80	.370	n/a	n/a	n/a	1	.01	n/a	n/a	n/a	1
23.00	.470	n/a	n/a	n/a	1	.02	n/a	n/a	n/a	1
23.20	.560	n/a	n/a	n/a	1	.03	n/a	n/a	n/a	1
23.40	.360	.4101	.650	.070	2	.02	.028	.04	.00	2
23.60	.290	.2106	.720	.050	7	.01	.017	.05	.00	7
23.80	.404	.2224	.820	.040	10	.02	.021	.07	.00	10
24.00	.461	.2800	.930	.100	12	.03	.031	.09	.00	12
24.20	.588	.2783	1.060	.230	13	.05	.041	.12	.01	13
24.40	.511	.3661	1.190	.050	25	.05	.054	.17	.00	25
24.60	.600	.3619	1.310	.110	30	.06	.062	.21	.00	30
24.80	.787	.3319	1.450	.000	35	.10	.069	.27	.00	35
25.00	.929	.3710	1.630	.110	35	.14	.090	.34	.00	35
25.20	1.090	.3809	1.770	.290	34	.19	.106	.41	.01	34
25.40	1.379	.4275	2.160	.430	34	.31	.162	.61	.03	34
25.60	1.604	.4648	2.570	.510	33	.42	.216	.93	.05	33
25.80	1.837	.4625	2.630	.620	33	.56	.244	1.04	.07	33
26.00	2.015	.4190	2.710	1.050	32	.68	.251	1.14	.21	32
26.20	2.143	.4096	2.900	1.180	25	.78	.244	1.14	.27	25
26.40	2.252	.4063	2.890	1.370	15	.92	.274	1.35	.37	15
26.60	2.472	.5313	3.030	1.750	4	1.31	.503	1.89	.66	4

SIGMA -T-	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	1500	n/a	n/a	n/a	1
22.80	n/a	n/a	n/a	n/a	0	1497	n/a	n/a	n/a	1
23.00	n/a	n/a	n/a	n/a	0	1496	n/a	n/a	n/a	1
23.20	n/a	n/a	n/a	n/a	0	1494	n/a	n/a	n/a	1
23.40	n/a	n/a	n/a	n/a	0	1495	4.2	1498	1492	2
23.60	n/a	n/a	n/a	n/a	0	1493	5.4	1498	1484	7
23.80	n/a	n/a	n/a	n/a	0	1492	3.7	1496	1484	10
24.00	n/a	n/a	n/a	n/a	0	1490	3.3	1495	1483	12
24.20	n/a	n/a	n/a	n/a	0	1489	2.5	1493	1483	13
24.40	n/a	n/a	n/a	n/a	0	1489	2.8	1494	1483	25
24.60	n/a	n/a	n/a	n/a	0	1487	2.4	1493	1482	30
24.80	n/a	n/a	n/a	n/a	0	1485	1.8	1490	1481	35
25.00	n/a	n/a	n/a	n/a	0	1483	1.4	1487	1481	35
25.20	n/a	n/a	n/a	n/a	0	1482	1.0	1485	1480	34
25.40	n/a	n/a	n/a	n/a	0	1481	.8	1484	1480	34
25.60	n/a	n/a	n/a	n/a	0	1481	.6	1483	1480	33
25.80	n/a	n/a	n/a	n/a	0	1480	.7	1483	1480	33
26.00	n/a	n/a	n/a	n/a	0	1480	.6	1482	1479	32
26.20	n/a	n/a	n/a	n/a	0	1479	.5	1481	1478	25
26.40	n/a	n/a	n/a	n/a	0	1478	.5	1479	1478	15
26.60	n/a	n/a	n/a	n/a	0	1478	.5	1478	1477	4

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TEMPERATURE						SALINITY					
SIGMA -T-	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	12.69	n/a	n/a	n/a	1	29.995	n/a	n/a	n/a	1	
22.80	12.49	.09	12.56	12.42	2	30.326	.1718	30.448	30.205	2	
23.00	12.00	.127	12.09	11.91	2	30.526	.1604	30.639	30.412	2	
23.20	11.49	.364	11.78	10.99	4	30.695	.1293	30.836	30.566	4	
23.40	11.13	.304	11.49	10.75	4	30.877	.0800	30.984	30.791	4	
23.60	11.08	.527	11.93	10.59	5	31.031	.0655	31.096	30.956	5	
23.80	10.75	.330	11.24	10.47	5	31.155	.0614	31.219	31.066	5	
24.00	10.66	.586	11.81	10.27	6	31.362	.1263	31.607	31.243	6	
24.20	10.71	.802	11.96	9.90	9	31.633	.1894	31.983	31.432	9	
24.40	10.43	.912	12.37	9.51	10	31.843	.2634	32.441	31.595	10	
24.60	10.04	.762	11.73	9.17	11	31.998	.1986	32.455	31.785	11	
24.80	9.90	.735	11.09	8.87	14	32.209	.1681	32.493	31.983	14	
25.00	9.43	.467	9.99	8.74	14	32.369	.1030	32.525	32.227	14	
25.20	8.99	.304	9.40	8.55	14	32.523	.0611	32.607	32.433	14	
25.40	8.59	.197	8.94	8.33	14	32.689	.0419	32.770	32.644	14	
25.60	8.29	.169	8.54	7.97	14	32.896	.0318	32.940	32.833	14	
25.80	7.96	.159	8.15	7.55	14	33.092	.0329	33.146	33.013	14	
26.00	7.61	.139	7.80	7.31	13	33.283	.0273	33.329	33.223	13	
26.20	7.26	.158	7.48	6.98	13	33.471	.0278	33.509	33.420	13	
26.40	6.87	.163	7.03	6.60	9	33.658	.0299	33.690	33.610	9	
26.60	6.42	n/a	n/a	n/a	1	33.834	n/a	n/a	n/a	1	

DEPTH						SVA					
SIGMA -T-	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	14	n/a	n/a	n/a	1	525.9	n/a	n/a	n/a	1	
22.80	9.9	10.6	166	1	2	506.4	.21	506.5	506.2	2	
23.00	9.9	9.9	166	2	2	487.1	.24	486.9	486.9	2	
23.20	6.6	7.5	17	1	4	468.0	.17	468.1	467.7	4	
23.40	7	7.7	18	2	4	448.8	.11	449.0	448.7	4	
23.60	8	6.6	199	3	5	429.9	.27	430.3	429.6	5	
23.80	9	6.5	200	4	5	411.0	.24	411.3	410.7	5	
24.00	10	6.3	21	4	6	392.0	.13	392.1	391.8	6	
24.20	11	6.6	22	1	9	373.0	.13	373.2	372.8	9	
24.40	14	8.7	29	2	10	354.0	.17	354.3	353.7	10	
24.60	17	10.9	37	4	11	335.0	.23	335.4	334.7	11	
24.80	19	11.5	41	3	14	316.0	.21	316.4	315.7	14	
25.00	24	11.4	43	15	14	297.0	.19	297.4	296.8	14	
25.20	28	11.3	49	15	14	278.1	.18	278.4	277.9	14	
25.40	36	10.3	56	21	14	259.2	.18	259.5	258.9	14	
25.60	43	11.1	63	27	14	240.3	.19	240.6	240.0	14	
25.80	49	10.8	67	33	14	221.3	.18	221.6	221.0	14	
26.00	56	10.2	72	38	13	202.4	.18	202.7	202.1	13	
26.20	66	13.9	95	43	13	183.6	.22	184.0	183.2	13	
26.40	70	10.3	86	53	9	164.6	.16	164.8	164.3	9	
26.60	69	n/a	n/a	n/a	1	145.6	n/a	n/a	n/a	1	

THETA						SVA (THETA)					
SIGMA -T-	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	12.69	n/a	n/a	n/a	1	524.7	n/a	n/a	n/a	1	
22.80	12.49	.106	12.56	12.41	2	496.6	.1089	504.3	488.9	2	
23.00	12.00	.127	12.09	11.91	2	473.3	.1407	483.3	463.4	2	
23.20	11.49	.364	11.78	10.99	4	452.2	.0836	463.6	445.9	4	
23.40	11.13	.304	11.49	10.75	4	432.7	.0870	445.0	425.5	4	
23.60	11.08	.527	11.93	10.59	5	420.4	.0881	430.0	410.5	5	
23.80	10.75	.330	11.24	10.47	5	405.9	.0569	410.8	397.6	5	
24.00	10.66	.586	11.81	10.27	6	389.1	.1884	391.6	387.0	6	
24.20	10.71	.802	11.96	9.90	10	370.2	.2117	372.6	365.3	9	
24.40	10.43	.912	12.37	9.51	11	350.2	.0528	353.7	338.8	10	
24.60	10.03	.764	11.73	9.16	11	332.5	.0521	334.7	326.4	11	
24.80	9.90	.736	11.09	8.86	14	314.5	.1531	315.6	311.4	14	
25.00	9.43	.468	9.99	8.73	14	295.2	.1515	296.4	292.2	14	
25.20	8.99	.305	9.40	8.55	14	277.1	.1339	277.6	276.4	14	
25.40	8.59	.198	8.94	8.33	14	258.1	.0555	258.5	256.4	14	
25.60	8.28	.170	8.53	7.96	14	239.2	.0558	239.5	237.2	14	
25.80	7.95	.158	8.15	7.55	14	220.6	.094	220.5	216.8	14	
26.00	7.60	.141	7.80	7.30	13	200.9	.101	201.5	198.0	13	
26.20	7.26	.157	7.47	6.98	13	182.3	.16	182.5	181.9	13	
26.40	6.86	.164	7.02	6.59	9	163.3	.46	163.5	162.1	9	
26.60	6.42	n/a	n/a	n/a	1	144.5	n/a	n/a	n/a	1	

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SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	.840	n/a	n/a	.040	1	.06	n/a	n/a	n/a	1
22.80	.465	.6010	.890	.080	2	.04	.049	.07	.00	2
23.00	.510	.6081	.940	.080	2	.04	.057	.08	.00	2
23.20	.303	.4532	.980	.030	4	.02	.040	.08	.00	4
23.40	.357	.4435	1.020	.080	4	.02	.045	.09	.00	4
23.60	.400	.3818	1.060	.120	5	.03	.042	.10	.00	5
23.80	.452	.3729	1.090	.160	5	.03	.045	.11	.00	5
24.00	.455	.3599	1.140	.170	6	.03	.046	.12	.00	6
24.20	.463	.3404	1.190	.020	9	.03	.042	.13	.00	9
24.40	.568	.3869	1.240	.090	10	.05	.058	.16	.00	10
24.60	.670	.4469	1.360	.140	11	.08	.081	.25	.00	11
24.80	.714	.4555	1.490	.100	14	.09	.090	.30	.00	14
25.00	.859	.4528	1.580	.240	14	.12	.103	.34	.01	14
25.20	.993	.4385	1.740	.480	14	.15	.118	.41	.03	14
25.40	1.190	.3966	1.940	.650	14	.22	.130	.52	.07	14
25.60	1.369	.3964	2.090	.790	14	.29	.157	.62	.10	14
25.80	1.523	.3890	2.200	.930	14	.36	.167	.69	.14	14
26.00	1.671	.3818	2.280	1.030	13	.44	.170	.75	.18	13
26.20	1.853	.4387	2.640	1.130	13	.57	.236	1.07	.22	13
26.40	1.850	.3544	2.290	1.310	9	.57	.167	.81	.31	9
26.60	1.550	n/a	n/a	n/a	1	.46	n/a	n/a	n/a	1

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	1494	n/a	n/a	n/a	1
22.80	n/a	n/a	n/a	n/a	0	1494	.7	1494	1493	2
23.00	n/a	n/a	n/a	n/a	0	1492	.0	1492	1492	2
23.20	n/a	n/a	n/a	n/a	0	1490	1.4	1491	1488	4
23.40	n/a	n/a	n/a	n/a	0	1490	1.3	1491	1488	4
23.60	n/a	n/a	n/a	n/a	0	1489	1.8	1492	1488	5
23.80	n/a	n/a	n/a	n/a	0	1488	1.1	1490	1487	5
24.00	n/a	n/a	n/a	n/a	0	1488	2.3	1493	1487	6
24.20	n/a	n/a	n/a	n/a	0	1489	3.1	1494	1486	9
24.40	n/a	n/a	n/a	n/a	0	1488	3.6	1496	1485	10
24.60	n/a	n/a	n/a	n/a	0	1487	2.8	1493	1484	11
24.80	n/a	n/a	n/a	n/a	0	1487	2.8	1491	1483	14
25.00	n/a	n/a	n/a	n/a	0	1485	1.7	1487	1483	14
25.20	n/a	n/a	n/a	n/a	0	1484	1.3	1486	1482	14
25.40	n/a	n/a	n/a	n/a	0	1483	.7	1484	1482	14
25.60	n/a	n/a	n/a	n/a	0	1482	.8	1483	1481	14
25.80	n/a	n/a	n/a	n/a	0	1481	.9	1482	1479	14
26.00	n/a	n/a	n/a	n/a	0	1480	.8	1481	1479	13
26.20	n/a	n/a	n/a	n/a	0	1479	.8	1479	1477	13
26.40	n/a	n/a	n/a	n/a	0	1478	.8	1479	n/a	9
26.60	n/a	n/a	n/a	n/a	0	1476	n/a	n/a	n/a	1

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TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	13.59	.836	14.74	12.39	5	31.613	.2816	31.947	31.261	5	
23.80	12.59	.740	13.80	11.62	10	31.668	.2071	32.009	31.354	10	
24.00	11.88	.728	13.07	11.07	12	31.759	.1644	32.049	31.516	12	
24.20	11.51	.804	13.12	10.61	13	31.874	.1640	32.166	31.591	13	
24.40	10.96	.610	12.23	10.08	15	31.972	.1371	32.204	31.747	15	
24.60	10.60	.656	12.19	9.64	18	32.130	.1617	32.457	31.896	18	
24.80	10.10	.551	11.10	9.21	19	32.269	.1394	32.582	32.071	19	
25.00	9.69	.506	10.41	8.84	20	32.422	.1138	32.658	32.248	20	
25.20	9.20	.386	9.98	8.52	20	32.572	.0790	32.740	32.445	20	
25.40	8.73	.327	9.41	8.25	19	32.734	.0636	32.870	32.635	19	
25.60	8.33	.282	8.90	7.96	19	32.915	.0555	32.848	32.832	19	
25.80	7.99	.252	8.46	7.61	18	33.105	.0469	33.201	33.023	18	
26.00	7.64	.247	8.17	7.30	18	33.291	.0452	33.380	33.221	18	
26.20	7.25	.230	7.84	6.92	16	33.473	.0402	33.575	33.409	16	
26.40	6.90	.130	7.26	6.74	12	33.664	.0217	33.723	33.643	12	
26.60	6.50	.020	6.52	6.48	3	33.847	.0000	33.850	33.843	3	
DEPTH						SVA					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	430.0	.15	430.2	429.8	0	
23.60	3.5	.51	6.6	5.6	5	410.9	.23	411.2	410.5	10	
23.80	4.4	.8	12	10	10	391.9	.29	392.3	391.3	12	
24.00	6.6	.55	15	12	12	372.8	.27	373.1	372.3	13	
24.20	8.8	.55	16	14	13	353.9	.20	354.2	353.4	15	
24.40	11.1	.49	18	10	15	334.9	.17	335.3	334.7	18	
24.60	14.0	.68	30	11	18	315.9	.18	316.3	315.6	19	
24.80	17.0	.80	36	11	19	297.0	.18	297.4	296.7	20	
25.00	20.0	.85	41	6	20	278.0	.18	278.4	277.7	20	
25.20	24.9	.47	47	10	20	259.1	.19	259.5	258.8	19	
25.40	30.0	10.0	54	14	19	240.1	.22	240.7	239.8	19	
25.60	37.0	12.1	67	20	19	221.2	.26	221.8	220.9	18	
25.80	45.0	14.8	79	24	18	202.4	.26	203.0	202.0	18	
26.00	53.0	15.6	87	29	18	183.5	.19	183.9	183.2	16	
26.20	62.0	12.0	92	41	16	164.6	.15	164.8	164.3	12	
26.40	72.0	8.2	82	52	12	146.0	.15	146.1	145.8	3	
THETA						SVA (THETA)					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	422.6	12.31	430.0	400.0	0	
23.60	13.59	.840	14.74	12.38	5	399.9	12.01	410.6	373.6	10	
23.80	12.59	.740	13.80	11.62	10	380.5	11.17	391.8	356.8	12	
24.00	11.88	.729	13.07	11.07	12	365.6	9.44	372.7	344.8	13	
24.20	11.51	.803	13.11	10.61	13	349.1	5.40	353.8	335.5	18	
24.40	10.96	.610	12.23	10.08	15	331.4	4.14	334.7	320.4	19	
24.60	10.60	.656	12.19	9.64	18	313.1	3.81	315.6	299.5	19	
24.80	10.10	.551	11.10	9.21	19	295.2	1.95	296.6	288.5	20	
25.00	9.69	.506	10.41	8.84	20	276.6	1.01	277.5	274.7	20	
25.20	9.20	.385	9.98	8.52	20	257.6	1.26	258.5	253.4	19	
25.40	8.73	.327	9.41	7.95	19	238.4	1.56	239.5	234.6	19	
25.60	8.33	.282	8.90	7.96	19	219.5	1.43	220.5	216.1	18	
25.80	7.99	.253	8.46	7.60	18	200.9	.83	201.5	199.1	18	
26.00	7.64	.246	8.17	7.29	18	182.0	.74	182.5	180.4	16	
26.20	7.24	.231	7.84	6.92	16	163.2	.47	163.5	162.1	12	
26.40	6.89	.130	7.25	6.73	12	144.5	.00	144.5	144.5	3	

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SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	.112	.1283	.2500	.0000	0	.00	.005	.01	.00	5
23.80	.156	.1660	.5000	.0000	10	.00	.010	.03	.00	10
24.00	.266	.1434	.6200	.0900	12	.01	.014	.05	.00	12
24.20	.548	.1472	.6800	.1700	13	.02	.015	.06	.00	13
24.40	.429	.1952	.7300	.0000	15	.03	.020	.07	.00	15
24.60	.517	.2560	1.1400	.0500	18	.04	.039	.17	.00	18
24.80	.617	.2998	1.3300	.0300	19	.06	.053	.23	.00	19
25.00	.712	.3135	1.4800	.1900	20	.08	.063	.29	.01	20
25.20	.832	.3353	1.6700	.3000	20	.11	.081	.37	.01	20
25.40	1.001	.3561	1.8400	.4100	19	.16	.107	.47	.03	19
25.60	1.159	.3956	2.1700	.5500	19	.22	.151	.67	.05	19
25.80	1.349	.4552	2.3800	.6500	18	.31	.211	.82	.07	18
26.00	1.526	.4668	2.6300	.7700	18	.40	.249	1.03	.11	18
26.20	1.660	.3502	2.4800	.9900	16	.47	.196	1.05	.19	16
26.40	1.802	.2720	2.1700	1.1900	12	.57	.130	.75	.28	12
26.60	2.083	.3921	2.4500	1.6700	3	.86	.231	1.08	.62	3
SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	7.17	.662	7.51	6.27	1	1499	.283	1503	1494	1
23.80	6.76	.662	7.51	6.27	3	1496	.283	1500	1492	1
24.00	6.27	.319	6.64	6.06	3	1493	.283	1497	1490	1
24.20	6.00	.257	6.24	5.73	3	1492	.283	1498	1489	1
24.40	5.67	.261	5.97	4.48	3	1490	.283	1495	1487	1
24.60	5.41	.311	5.77	5.20	3	1489	.283	1495	1485	1
24.80	5.02	.150	5.19	4.90	3	1488	.283	1492	1484	1
25.00	4.60	.139	4.72	4.45	3	1486	.283	1489	1483	2
25.20	4.26	.172	4.38	4.06	3	1485	.1.6	1488	1482	2
25.40	4.92	.184	4.05	3.71	3	1483	.1.4	1486	1481	1
25.60	.60	.168	3.73	3.41	3	1482	.1.2	1484	1481	1
25.80	.25	.170	4.45	3.15	3	1481	.1.1	1483	1480	1
26.00	.92	.176	3.08	2.73	3	1480	.1.1	1483	1479	1
26.20	.58	.222	2.76	2.33	3	1479	.1.0	1482	1478	1
26.40	2.18	.177	2.30	1.98	3	1478	.4	1479	1477	1
26.60	n/a	n/a	n/a	n/a	0	1477	.0	1477	1477	3

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	11.07	n/a	n/a	n/a	1	30.913	.3196	31.458	31.006	1	
23.80	11.20	1.252	12.09	10.32	2	31.232	.3177	32.116	31.165	2	
24.00	12.22	1.729	13.98	9.87	4	31.022	.2792	32.299	31.165	4	
24.20	12.36	1.173	13.62	9.60	9	32.113	.2061	32.328	31.559	9	
24.40	11.75	.898	12.72	9.33	12	32.247	.2060	32.580	31.761	16	
24.60	11.17	.878	12.27	9.06	16	32.386	.1672	32.640	31.973	19	
24.80	10.70	.763	11.83	8.82	19	32.526	.1397	32.766	32.187	19	
25.00	10.15	.622	11.05	8.58	19	32.659	.1126	32.874	32.394	19	
25.20	9.60	.486	10.38	8.36	19	32.804	.0828	32.963	32.601	20	
25.40	9.09	.398	9.84	8.10	20	32.965	.0654	32.079	32.813	20	
25.60	8.62	.317	9.19	7.87	20	33.133	.0489	33.233	33.049	20	
25.80	8.17	.227	8.59	7.74	20	33.313	.0382	33.377	33.251	19	
26.00	7.77	.183	8.09	7.46	19	33.498	.0347	33.547	33.425	19	
26.20	7.41	.190	7.69	7.01	19	33.692	.0327	33.742	33.631	16	
26.40	7.08	.187	7.36	6.73	16	33.819	n/a	n/a	n/a	1	
26.60	6.33	n/a	n/a	n/a	1						
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	430.1	n/a	n/a	n/a	1	
23.60	7	1.4	n/a	n/a	1	411.0	.18	411.1	410.9	2	
24.00	10	3.5	13.88	6.6	4	392.0	.22	392.2	391.7	4	
24.20	10	5.0	13.88	6.1	9	373.0	.17	373.2	372.7	9	
24.40	13	6.2	25	5	12	354.0	.17	354.4	353.8	12	
24.60	13	6.2	30	5	16	335.0	.20	335.4	334.7	16	
24.80	16	8.2	34	5	19	315.9	.17	316.4	315.7	19	
25.00	19	8.2	38	8	19	296.9	.19	297.3	296.7	19	
25.20	22	8.6	42	11	19	277.9	.20	278.3	277.6	19	
25.40	26	9.7	49	14	20	259.0	.20	259.4	258.6	20	
25.60	31	11.6	62	16	20	240.1	.21	240.5	239.8	20	
25.80	37	11.9	72	21	20	221.1	.20	221.6	220.7	20	
26.00	44	11.9	72	26	19	202.2	.22	202.7	201.8	19	
26.20	56	13.9	86	31	19	183.4	.22	183.9	183.0	19	
26.40	70	14.6	89	40	16	164.6	.23	164.9	164.2	16	
26.60	87	n/a	n/a	n/a	1	145.8	n/a	n/a	n/a	1	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	11.07	n/a	n/a	n/a	1	428.9	n/a	n/a	n/a	1	
23.80	11.20	1.252	12.09	10.32	2	408.1	2.55	409.9	406.3	2	
24.00	12.21	1.733	13.98	9.86	4	389.1	2.91	391.5	385.1	4	
24.20	12.36	1.172	13.61	9.60	9	370.1	2.86	372.4	364.9	9	
24.40	11.74	.897	12.71	9.33	12	352.2	1.53	353.8	349.7	12	
24.60	11.17	.880	12.27	9.05	16	332.5	2.80	334.7	324.5	16	
24.80	10.70	.763	11.82	8.81	19	314.2	1.52	315.4	308.6	19	
25.00	10.15	.623	11.05	8.57	19	295.0	1.58	296.6	291.8	19	
25.20	9.59	.489	10.38	8.35	19	276.2	1.41	277.6	272.7	19	
25.40	9.09	.398	9.83	8.09	20	257.8	.91	258.5	255.2	20	
25.60	8.61	.319	9.18	7.86	20	238.9	1.82	239.5	236.1	20	
25.80	8.17	.228	8.59	7.73	20	219.9	1.06	220.5	216.4	20	
26.00	7.77	.185	8.08	7.45	19	201.0	.96	201.5	198.3	19	
26.20	7.40	.189	7.69	7.01	19	182.3	.35	182.5	181.3	19	
26.40	7.07	.188	7.35	6.72	16	163.4	.25	163.5	162.5	16	
26.60	6.33	n/a	n/a	n/a	1	144.5	n/a	n/a	n/a	1	

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SIGMA -T	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	.040	n/a	n/a	n/a	0	.00	n/a	n/a	n/a	1
23.80	.305	.0778	.360	.250	2	.01	.007	.02	.01	2
24.00	.395	.1473	.540	.240	4	.02	.012	.03	.01	4
24.20	.417	.2009	.700	.050	9	.02	.020	.06	.00	9
24.40	.485	.2483	.970	.170	12	.04	.035	.12	.00	12
24.60	.492	.3311	1.160	.100	16	.04	.055	.17	.00	16
24.80	.562	.3185	1.280	.150	19	.06	.061	.21	.00	19
25.00	.653	.3163	1.400	.270	19	.07	.070	.25	.01	19
25.20	.745	.3226	1.510	.340	19	.09	.079	.30	.02	19
25.40	.844	.3447	1.690	.420	20	.12	.097	.38	.03	20
25.60	.975	.3948	2.050	.480	20	.16	.135	.58	.04	20
25.80	1.111	.3892	2.160	.590	20	.21	.148	.66	.06	20
26.00	1.277	.4002	2.270	.700	19	.28	.160	.73	.09	19
26.20	1.496	.4289	2.530	.810	19	.39	.203	.95	.12	19
26.40	1.692	.3827	2.360	.960	16	.54	.207	.84	.18	16
26.60	1.780	n/a	n/a	n/a	1	.66	n/a	n/a	n/a	1
SIGMA -T	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	1489	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	1490	4.2	1493	1487	1
23.80	n/a	n/a	n/a	n/a	0	1494	4.6	1500	1485	4
24.00	n/a	n/a	n/a	n/a	0	1495	4.3	1500	1485	9
24.20	n/a	n/a	n/a	n/a	0	1497	3.3	1497	1484	12
24.40	n/a	n/a	n/a	n/a	0	1491	3.3	1495	1483	16
24.60	n/a	n/a	n/a	n/a	0	1490	3.3	1494	1483	19
24.80	n/a	n/a	n/a	n/a	0	1488	2.8	1492	1482	19
25.00	n/a	n/a	n/a	n/a	0	1486	1.8	1489	1482	19
25.20	n/a	n/a	n/a	n/a	0	1485	1.4	1487	1481	20
25.40	4.52	n/a	n/a	n/a	1	1483	1.3	1485	1481	20
25.60	.85	n/a	n/a	n/a	1	1482	1.9	1483	1480	20
25.80	.25	n/a	n/a	n/a	1	1481	1.8	1482	1479	19
26.00	2.71	n/a	n/a	n/a	1	1480	1.0	1481	1478	19
26.20	2.23	n/a	n/a	n/a	1	1479	1.0	1480	1477	16
26.40	1.89	n/a	n/a	n/a	1	1476	n/a	n/a	n/a	1
26.60	n/a	n/a	n/a	n/a	0					

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	11.94	n/a	n/a	n/a	0	31.411	n/a	n/a	n/a	0	
24.20	10.53	n/a	n/a	n/a	1	31.562	n/a	n/a	n/a	1	
24.40	10.49	.615	10.92	10.05	2	31.801	.1343	31.896	31.706	2	
24.60	10.07	.508	10.76	9.57	7	31.982	.1026	32.119	31.867	5	
24.80	9.98	.821	11.57	9.12	8	32.228	.1809	32.586	32.035	7	
25.00	9.48	.621	10.82	7.78	10	32.375	.1280	32.656	32.223	8	
25.20	9.21	.628	10.45	8.40	10	32.571	.1320	32.839	32.404	10	
25.40	8.82	.599	9.99	8.02	10	32.753	.1261	33.007	32.586	10	
25.60	8.41	.484	9.34	7.77	11	32.924	.0959	33.111	32.795	11	
25.80	8.03	.355	8.58	7.54	11	33.102	.0675	33.208	33.010	11	
26.00	7.70	.290	8.15	7.30	11	33.299	.0536	33.380	33.220	11	
26.20	7.43	.167	7.61	7.18	8	33.502	.0295	33.532	33.455	8	
26.40	7.16	.199	7.34	6.88	4	33.707	.0350	33.738	33.658	4	
26.60	6.86	n/a	n/a	n/a	1	33.907	n/a	n/a	n/a	1	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	392.1	n/a	n/a	n/a	1	
24.00	9.99	n/a	n/a	n/a	1	373.2	n/a	n/a	n/a	1	
24.20	17	n/a	n/a	n/a	1	354.1	.22	354.3	354.0	2	
24.40	19	10.66	26	11	2	335.1	.25	335.3	334.8	5	
24.60	17	15.5	37	1	5	316.0	.18	316.3	315.8	7	
24.80	21	11.3	41	11	7	297.0	.21	297.4	296.8	8	
25.00	24	10.99	45	15	8	278.0	.23	278.4	277.6	10	
25.20	27	12.8	48	1	10	259.1	.25	259.5	258.7	10	
25.40	33	13.7	56	8	10	240.2	.26	240.7	239.8	11	
25.60	37	15.5	66	12	11	221.3	.23	221.7	220.9	11	
25.80	46	14.8	72	21	11	202.4	.26	202.9	202.0	11	
26.00	58	16.5	89	28	11	183.6	.25	184.1	183.3	8	
26.20	68	16.9	99	45	8	164.8	.13	164.9	164.6	4	
26.40	77	8	84	67	4	n/a	n/a	n/a	n/a	1	
26.60	121	n/a	n/a	n/a	1	146.4	n/a	n/a	n/a	1	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	391.6	n/a	n/a	n/a	1	
23.60	n/a	n/a	n/a	n/a	0	372.1	n/a	n/a	n/a	1	
23.80	n/a	n/a	n/a	n/a	0	353.8	.09	353.8	353.7	2	
24.00	11.94	n/a	n/a	n/a	1	333.8	1.21	334.7	331.8	5	
24.20	10.53	n/a	n/a	n/a	1	314.4	.72	315.6	313.8	7	
24.40	10.48	.622	10.92	10.04	2	295.6	1.33	296.4	292.6	8	
24.60	10.07	.510	10.76	9.57	5	276.9	.39	277.6	276.3	10	
24.80	9.98	.822	11.57	9.12	7	257.6	1.05	258.5	255.6	10	
25.00	9.48	.622	10.82	8.78	8	238.9	1.11	239.5	235.7	11	
25.20	9.21	.629	10.45	8.39	10	220.2	.39	220.5	219.1	11	
25.40	8.82	.600	9.99	8.01	10	201.1	.63	201.5	199.8	11	
25.60	8.41	.483	9.33	7.76	11	182.3	.21	182.5	181.9	8	
25.80	8.02	.356	8.58	7.54	11	163.5	.05	163.5	163.4	4	
26.00	7.70	.291	8.14	7.29	11	n/a	n/a	n/a	n/a	1	
26.20	7.43	.165	7.60	7.17	8						
26.40	7.16	.203	7.34	6.87	4						
26.60	6.85	n/a	n/a	n/a	1						

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SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	.370	n/a	n/a	n/a	1	.02	n/a	n/a	n/a	1
24.40	.690	n/a	n/a	n/a	1	.06	n/a	n/a	n/a	1
24.60	.695	.4313	1.000	.390	2	.07	.078	.13	.02	2
24.80	.632	.5693	1.390	.030	5	.09	.108	.26	.00	5
25.00	.736	.4278	1.510	.370	7	.10	.106	.30	.02	7
25.20	.811	.4110	1.630	.490	10	.12	.112	.35	.04	8
25.40	1.018	.859	1.740	.030	10	.14	.124	.41	.00	10
25.60	1.126	.4769	1.940	.210	10	.19	.153	.52	.01	10
25.80	1.330	.5307	2.200	.320	11	.24	.193	.68	.02	11
26.00	1.574	.5024	2.330	.530	11	.32	.206	.77	.05	11
26.20	1.735	.5340	2.680	.670	11	.46	.262	1.06	.09	11
26.40	1.702	.5531	2.890	1.180	8	.57	.323	1.26	.24	8
26.60	2.380	.2256	1.990	1.490	4	.60	.136	.74	.46	4
		n/a	n/a	n/a	1	1.24	n/a	n/a	n/a	1
SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	14.90	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	14.88	n/a	n/a	n/a	1
24.20	n/a	n/a	n/a	n/a	0	14.89	2.1	14.90	14.87	2
24.40	n/a	n/a	n/a	n/a	0	14.87	2.2	14.90	14.85	5
24.60	n/a	n/a	n/a	n/a	0	14.87	3.1	14.93	14.84	7
24.80	n/a	n/a	n/a	n/a	0	14.86	2.6	14.91	14.83	8
25.00	n/a	n/a	n/a	n/a	0	14.85	2.4	14.89	14.81	10
25.20	n/a	n/a	n/a	n/a	0	14.84	2.4	14.88	14.80	10
25.40	n/a	n/a	n/a	n/a	0	14.82	1.9	14.86	14.80	11
25.60	n/a	n/a	n/a	n/a	0	14.81	1.3	14.83	14.79	11
25.80	n/a	n/a	n/a	n/a	0	14.80	1.1	14.82	14.79	11
26.00	n/a	n/a	n/a	n/a	0	14.79	1.8	14.81	14.79	8
26.20	n/a	n/a	n/a	n/a	0	14.79	1.0	14.80	14.78	4
26.40	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	1
26.60	n/a	n/a	n/a	n/a	0					

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SIGMA -T.	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	10.59	n/a	n/a	n/a	1	31.670	n/a	n/a	n/a	1
24.00	10.74	n/a	n/a	n/a	1	31.588	n/a	n/a	n/a	1
24.20	11.19	.474	11.52	10.85	2	31.705	.0989	31.775	31.635	2
24.40	11.16	.219	11.31	11.00	2	31.951	.0508	31.987	31.915	2
24.60	11.40	.665	12.38	10.97	4	32.267	.1564	32.499	32.170	4
24.80	10.85	.646	12.00	10.18	6	32.403	.1488	32.671	32.249	6
25.00	9.81	1.122	11.35	7.65	8	32.439	.2304	32.769	32.007	8
25.20	9.46	.864	10.73	7.68	8	32.621	.1767	32.896	32.268	8
25.40	9.09	.667	10.14	7.92	7	32.798	.1357	33.020	32.567	7
25.60	8.53	.201	8.70	8.20	5	32.941	.0388	32.972	32.875	5
25.80	8.24	.165	8.37	8.00	4	33.140	.0302	33.164	32.095	4
26.00	7.88	.249	8.07	7.60	3	33.328	.0431	33.361	33.280	3
26.20	7.61	.266	7.77	7.30	3	33.531	.0487	33.560	33.475	3
26.40	7.46	n/a	n/a	n/a	1	33.759	n/a	n/a	n/a	1
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SIGMA -T.	DEPTH					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	41.1	n/a	n/a	n/a	1
23.80	5.5	n/a	n/a	n/a	1	392.0	n/a	n/a	n/a	1
24.00	18.8	n/a	n/a	n/a	1	373.2	.30	373.4	373.0	2
24.20	3.9	10.6	25	10	2	354.6	.71	355.1	354.1	2
24.40	5.9	33.9	63	15	4	335.9	.22	336.1	335.6	4
24.60	5.5	11.9	67	40	4	317.1	.74	318.0	316.0	6
24.80	6.6	33.1	102	16	6	297.9	.73	299.0	297.1	8
25.00	6.5	3.5	109	23	8	279.0	.72	279.9	278.1	7
25.20	7.5	34.1	113	26	8	260.0	.72	260.9	259.1	5
25.40	7.7	35.7	124	29	7	240.7	.43	241.3	240.1	4
25.60	6.8	25.1	103	33	5	221.8	.40	222.1	221.2	2
25.80	7.1	22.3	92	41	4	202.7	.46	203.1	202.2	3
26.00	7.2	26.1	94	43	3	183.9	.52	184.2	183.3	1
26.20	8.4	29.5	103	50	3	165.5	n/a	n/a	n/a	0
26.40	11.9	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0					0

SIGMA -T.	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	409.5	n/a	n/a	n/a	1
23.60	n/a	n/a	n/a	n/a	0	388.4	n/a	n/a	n/a	1
23.80	10.59	n/a	n/a	n/a	1	372.4	.56	372.8	372.0	2
24.00	10.74	n/a	n/a	n/a	1	353.6	.00	353.6	353.6	2
24.20	11.18	.467	11.51	10.85	2	334.0	.18	334.7	334.3	4
24.40	11.14	.219	11.30	10.99	2	315.5	.21	315.5	315.0	6
24.60	11.39	.663	12.37	10.96	4	296.5	.52	296.6	295.6	8
24.80	10.85	.644	11.99	10.17	6	277.2	.33	277.5	276.6	8
25.00	9.80	1.120	11.33	7.64	8	258.9	.23	258.5	257.9	7
25.20	9.46	.861	10.72	7.68	8	239.5	.17	239.4	239.0	5
25.40	9.08	.664	10.15	7.92	7	220.5	.04	220.4	220.3	4
25.60	8.53	.202	8.70	8.19	5	201.3	.17	201.4	201.1	3
25.80	8.23	.165	8.36	7.99	4	182.4	.06	182.5	182.4	3
26.00	7.88	.244	8.06	7.60	3	163.4	n/a	n/a	n/a	1
26.20	7.60	.266	7.76	7.29	3	n/a	n/a	n/a	n/a	0
26.40	7.45	n/a	n/a	n/a	1					0
26.60	n/a	n/a	n/a	n/a	0					0

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SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	.250	n/a	n/a	n/a	0	.01	n/a	n/a	n/a	0
24.00	.310	n/a	n/a	n/a	1	.01	n/a	n/a	n/a	1
24.20	.685	4.172	.980	.390	2	.07	.078	.13	.02	2
24.40	1.475	1.2374	2.350	1.600	4	.40	.488	.74	.05	2
24.60	1.970	.4596	2.510	1.440	6	.57	.248	.85	.28	4
24.80	2.267	1.1521	3.460	.520	6	.91	.674	1.79	.04	6
25.00	2.188	1.1815	3.670	.740	7	.89	.766	2.02	.09	8
25.20	2.459	1.1958	3.800	.840	7	1.09	.840	2.16	.11	8
25.40	2.483	1.2443	4.020	.910	7	1.13	.952	2.45	.13	5
25.60	2.114	.9147	3.530	1.000	5	.79	.580	1.73	.16	4
25.80	2.028	.6217	2.580	1.180	4	.75	.393	1.12	.23	4
26.00	2.013	.7016	2.630	1.250	3	.75	.468	1.19	.26	3
26.20	2.237	.7694	2.800	1.360	3	.95	.559	1.36	.31	1
26.40	2.920	n/a	n/a	n/a	1	1.58	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	1488	n/a	n/a	n/a	1
23.80	n/a	n/a	n/a	n/a	0	1489	n/a	n/a	n/a	1
24.00	n/a	n/a	n/a	n/a	0	1491	2.1	1492	1489	2
24.20	n/a	n/a	n/a	n/a	0	1491	1.4	1492	1490	2
24.40	n/a	n/a	n/a	n/a	0	1493	2.4	1496	1491	4
24.60	n/a	n/a	n/a	n/a	0	1491	2.8	1496	1489	6
24.80	n/a	n/a	n/a	n/a	0	1487	4.9	1494	1478	8
25.00	n/a	n/a	n/a	n/a	0	1486	3.7	1492	1479	7
25.20	n/a	n/a	n/a	n/a	0	1485	3.1	1490	1480	5
25.40	n/a	n/a	n/a	n/a	0	1483	1.9	1484	1482	4
25.60	n/a	n/a	n/a	n/a	0	1483	1.0	1483	1481	4
25.80	n/a	n/a	n/a	n/a	0	1482	1.5	1483	1480	3
26.00	n/a	n/a	n/a	n/a	0	1481	1.7	1482	1479	1
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	9.97	n/a	n/a	n/a	1	30.960	n/a	n/a	n/a	0	
24.00	.74	n/a	n/a	n/a	1	31.151	n/a	n/a	n/a	0	
24.20	9.47	n/a	n/a	n/a	1	31.139	n/a	n/a	n/a	0	
24.40	9.59	1.228	11.37	8.67	4	31.629	n/a	n/a	n/a	0	
24.60	10.07	1.144	11.71	8.98	5	31.980	n/a	n/a	n/a	0	
24.80	9.41	.813	10.47	8.12	6	32.096	n/a	n/a	n/a	0	
25.00	9.15	.720	10.08	7.77	6	32.299	n/a	n/a	n/a	0	
25.20	8.89	.657	9.62	7.75	6	32.311	n/a	n/a	n/a	0	
25.40	8.62	.585	9.33	7.77	6	32.404	n/a	n/a	n/a	0	
25.60	8.39	.492	9.12	7.94	6	32.713	n/a	n/a	n/a	0	
25.80	8.02	.300	8.54	7.81	5	32.917	n/a	n/a	n/a	0	
26.00	7.68	.142	7.81	7.93	5	33.100	n/a	n/a	n/a	0	
26.20	n/a	n/a	n/a	n/a	0	33.290	n/a	n/a	n/a	0	
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	2	n/a	n/a	n/a	1	411.00	n/a	n/a	n/a	0	
24.00	7	n/a	n/a	n/a	1	392.00	n/a	n/a	n/a	0	
24.20	11	n/a	n/a	n/a	1	373.00	n/a	n/a	n/a	0	
24.40	10	5.2	14	2	4	353.99	.12	354.1	353.8	4	
24.60	23	12.8	41	10	5	335.27	.27	355.5	334.9	5	
24.80	32	25.3	77	14	6	316.48	.48	317.1	315.9	6	
25.00	49	23.4	93	22	6	297.45	.45	298.3	297.0	6	
25.20	53	11.6	64	32	6	278.59	.19	278.8	278.2	6	
25.40	60	13.3	79	48	6	259.70	.27	260.0	259.2	6	
25.60	72	12.3	91	57	6	240.77	.27	241.2	240.5	6	
25.80	79	10.8	91	65	5	221.80	.20	222.0	221.6	5	
26.00	89	6.6	95	82	3	202.05	.05	203.0	202.9	3	
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	9.97	n/a	n/a	n/a	1	407.88	n/a	n/a	n/a	0	
24.00	.74	n/a	n/a	n/a	1	390.1	n/a	n/a	n/a	0	
24.20	9.47	n/a	n/a	n/a	1	353.00	.40	353.6	352.4	4	
24.40	9.59	1.228	11.37	8.67	4	334.58	.58	334.7	333.3	4	
24.60	10.06	1.143	11.71	8.98	5	315.36	.36	315.6	314.6	5	
24.80	9.41	.810	10.46	8.12	6	296.56	.56	296.6	295.0	6	
25.00	9.15	.720	10.07	7.76	6	276.71	.49	277.5	273.7	6	
25.20	8.89	.657	9.62	7.75	6	257.72	.41	258.5	254.9	6	
25.40	8.61	.586	9.32	7.76	6	239.52	.52	239.4	238.1	6	
25.60	8.39	.490	9.11	7.94	6	220.24	.41	220.5	219.5	6	
25.80	8.01	.300	8.53	7.80	5	201.45	.05	201.5	201.4	5	
26.00	7.67	.142	7.80	7.92	5	n/a	n/a	n/a	n/a	0	
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP01 D E C E M B E R 1956 to 1990

SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	.070	n/a	n/a	n/a	11	.00	n/a	n/a	n/a	11
24.00	.280	n/a	n/a	n/a	11	.01	n/a	n/a	n/a	11
24.20	.430	n/a	n/a	n/a	11	.02	n/a	n/a	n/a	11
24.40	.375	.2021	.550	.100	4	.02	.017	.04	.00	4
24.60	.828	.4503	1.470	.360	6	.12	.113	.30	.02	6
24.80	1.080	.8812	2.650	.470	6	.26	.387	1.01	.04	6
25.00	1.594	.8023	3.150	.750	6	.46	.461	1.44	.08	6
25.20	1.667	.3744	2.140	1.040	6	.45	.178	.67	.16	6
25.40	1.872	.4300	2.540	1.260	6	.58	.248	.97	.24	6
25.60	2.168	.4067	2.850	1.740	6	.78	.280	1.24	.48	6
25.80	2.276	.3038	2.600	1.940	5	.87	.239	1.15	.60	5
26.00	2.440	.1609	2.610	2.290	5	1.02	.150	1.17	.87	5
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	1485	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	1485	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	1485	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	1484	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	1485	5.0	1492	1481	4
24.40	n/a	n/a	n/a	n/a	0	1487	4.6	1494	1483	5
24.60	n/a	n/a	n/a	n/a	0	1485	3.2	1489	1480	6
24.80	n/a	n/a	n/a	n/a	0	1485	2.9	1488	1479	7
25.00	n/a	n/a	n/a	n/a	0	1484	2.8	1487	1479	6
25.20	n/a	n/a	n/a	n/a	0	1483	2.3	1486	1480	6
25.40	n/a	n/a	n/a	n/a	0	1483	2.1	1486	1481	5
25.60	n/a	n/a	n/a	n/a	0	1482	1.3	1484	1481	5
25.80	n/a	n/a	n/a	n/a	0	1481	.6	1481	1480	5
26.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

Table 8. As in Table 4, for Station 2 (P02).

Table 8 : STATION MP02 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.86	2.227	16.26	6.47	211	31.630	.6647	32.870	28.433	211	
10	10.39	1.863	14.78	6.47	211	31.746	.5808	32.865	28.760	211	
20	9.47	1.364	13.98	6.65	211	32.043	.4597	33.032	30.027	211	
30	8.85	1.010	11.64	6.70	211	32.292	.4128	33.153	30.320	211	
50	8.34	.922	11.61	6.79	211	32.674	.3961	33.524	30.535	211	
75	8.01	.918	11.72	6.44	207	33.101	.4462	33.846	30.649	207	
100	7.64	.955	11.60	6.35	127	33.513	.3538	33.990	32.573	127	
125	7.57	.805	9.51	6.48	20	33.674	.2603	33.924	32.939	20	
150	7.01	.440	7.87	6.36	10	33.875	.1115	33.948	33.573	10	
175	6.71	.522	7.72	6.24	8	33.921	.0906	33.979	33.702	8	
200	6.57	.530	6.94	6.19	2	33.966	.0273	33.986	33.947	2	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.180	.6331	25.349	20.823	211	374.9	60.39	695.9	263.5	211	
10	24.355	.5080	25.376	22.468	211	358.3	48.44	538.3	261.0	211	
20	24.747	.4008	25.601	23.404	211	321.1	38.19	449.2	239.8	211	
30	25.041	.3687	25.858	23.580	211	293.2	35.11	432.4	215.5	211	
50	25.418	.3981	26.243	23.766	211	257.7	37.91	414.9	179.2	211	
75	25.801	.4529	26.574	23.863	207	221.7	43.12	406.0	148.1	207	
100	26.177	.4029	26.731	24.802	127	186.4	38.40	317.6	133.5	127	
125	26.315	.3153	26.664	25.491	20	173.6	30.09	252.2	140.3	20	
150	26.553	.1426	26.694	26.196	10	151.3	13.65	185.4	137.7	10	
175	26.629	.1382	26.737	26.318	8	144.3	13.27	174.2	134.0	8	
200	26.685	.0920	26.750	26.620	2	139.3	8.98	145.7	133.0	2	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.86	2.227	16.26	6.47	211	374.9	60.40	695.9	263.5	211	
10	10.39	1.863	14.78	6.47	211	358.1	48.43	538.2	260.9	211	
20	9.47	1.364	13.98	6.65	211	320.7	38.17	448.8	239.4	211	
30	8.85	1.009	11.64	6.70	211	292.7	35.10	432.0	215.0	211	
50	8.34	.920	11.60	6.79	211	256.8	37.86	414.2	178.4	211	
75	8.01	.918	11.71	6.43	207	220.4	43.05	405.0	147.0	207	
100	7.63	.955	11.59	6.34	127	184.7	38.26	315.2	132.0	127	
125	7.56	.803	9.50	6.47	20	171.5	29.93	249.7	138.4	20	
150	7.00	.438	7.85	6.35	10	148.9	13.52	182.7	135.5	10	
175	6.69	.523	7.70	6.22	8	141.6	13.08	171.1	131.4	8	
200	6.55	.530	6.92	6.17	2	136.3	8.70	142.5	130.2	2	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	211	.00	.000	.00	.00	211	
10	.370	.0556	.640	.260	211	.02	.003	.03	.01	211	
20	.710	.0914	1.040	.520	211	.07	.009	.10	.05	211	
30	1.018	.1155	1.360	.770	211	.15	.016	.21	.11	211	
50	1.567	.1595	2.190	1.170	211	.37	.041	.55	.27	211	
75	2.166	.2340	3.210	1.600	207	.75	.101	1.20	.54	207	
100	2.667	.3073	3.490	2.000	127	1.20	.176	1.68	.89	127	
125	3.077	.2563	3.660	2.580	20	1.73	.221	2.21	1.38	20	
150	3.417	.1526	3.650	3.200	10	2.22	.131	2.47	2.03	10	
175	3.803	.1823	4.100	3.570	8	2.85	.185	3.22	2.64	8	
200	3.990	.0849	4.050	3.930	2	3.38	.078	3.44	3.33	2	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	7.08	.789	8.78	6.56	7	1489	8.0	1507	1473	211	
10	6.74	.291	7.28	6.44	7	1488	6.9	1503	1473	211	
20	6.31	.362	6.59	5.60	7	1485	5.1	1501	1474	211	
30	5.79	.983	6.48	.76	7	1483	3.8	1493	1474	211	
50	5.62	1.035	6.50	.82	7	1482	3.3	1494	1477	211	
75	5.09	1.481	6.46	3.44	6	1482	3.1	1495	1476	207	
100	4.60	1.760	5.95	2.61	3	1481	3.3	1495	1477	127	
125	4.80	.827	5.39	4.22	2	1482	2.8	1488	1478	20	
150	n/a	n/a	n/a	n/a	6	1480	1.6	1483	1478	10	
175	n/a	n/a	n/a	n/a	0	1480	1.8	1483	1478	8	
200	n/a	n/a	n/a	n/a	0	1480	2.1	1481	1478	2	

Table 9. As in Table 5, for Station 2 (P02).

Table 9 :

STATION MP02 J A N U A R Y 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.37	.984	9.95	6.70	15	31.512	.6199	32.205	30.388	15	
10	8.50	.896	9.95	6.88	15	31.584	.5607	32.209	30.423	15	
20	8.70	.976	10.25	6.88	15	31.730	.4520	32.310	31.080	15	
30	8.84	.972	10.19	6.90	15	31.881	.3945	32.346	31.100	15	
50	8.98	.869	10.25	7.16	15	32.248	.2724	32.654	31.818	15	
75	8.93	.847	9.87	7.27	14	32.651	.2505	33.236	32.140	14	
100	8.95	.851	9.80	7.24	7	33.118	.2876	33.516	32.660	7	
125	8.78	1.039	9.51	8.04	2	33.340	.1432	33.441	33.239	2	
150	7.87	n/a	n/a	n/a	1	33.573	n/a	n/a	n/a	1	
175	7.72	n/a	n/a	n/a	1	33.702	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.505	.4663	25.248	23.542	15	343.8	44.46	435.7	273.0	15	
10	24.543	.4125	25.256	23.691	15	340.3	39.30	421.5	272.4	15	
20	24.626	.3142	25.264	24.041	15	332.6	29.90	388.3	271.8	15	
30	24.723	.2636	25.276	24.290	15	323.5	25.10	364.7	270.7	15	
50	24.989	.2211	25.408	24.619	15	298.6	21.07	333.8	258.5	15	
75	25.312	.2713	25.874	24.876	14	268.2	25.85	309.7	214.8	14	
100	25.765	.2499	26.072	25.340	7	225.5	23.77	266.2	196.5	7	
125	25.875	.2736	26.068	25.681	2	215.7	26.16	234.2	197.2	2	
150	26.196	n/a	n/a	n/a	1	185.4	n/a	n/a	n/a	1	
175	26.318	n/a	n/a	n/a	1	174.2	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.37	.984	9.95	6.70	15	343.8	44.46	435.7	273.0	15	
10	8.50	.896	9.95	6.88	15	340.3	39.31	421.4	272.3	15	
20	8.70	.976	10.25	6.88	15	332.3	29.92	388.0	271.5	15	
30	8.84	.972	10.19	6.89	15	323.0	25.10	364.2	270.3	15	
50	8.97	.868	10.24	7.15	15	297.7	21.05	332.9	257.8	15	
75	8.92	.848	9.87	7.26	14	266.8	25.81	308.3	213.4	14	
100	8.74	.851	9.79	7.23	7	223.8	23.77	264.2	194.6	7	
125	8.76	1.039	9.50	8.03	2	213.5	25.95	231.7	195.0	2	
150	7.85	n/a	n/a	n/a	1	182.7	n/a	n/a	n/a	1	
175	7.70	n/a	n/a	n/a	1	171.1	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	15	.00	.000	.00	.00	15	
10	.344	.0419	.430	.270	15	.02	.003	.02	.01	15	
20	.681	.0774	.840	.540	15	.07	.006	.08	.06	15	
30	1.011	.1013	1.210	.820	15	.15	.015	.18	.12	15	
50	1.636	.1436	1.910	1.350	15	.41	.032	.46	.34	15	
75	2.339	.1819	2.660	1.970	14	.86	.062	.95	.74	14	
100	2.910	.2371	3.260	2.580	7	1.39	.120	1.58	1.22	7	
125	3.415	.3465	3.660	3.170	2	2.00	.290	2.21	1.80	2	
150	3.650	n/a	n/a	n/a	1	2.47	n/a	n/a	n/a	1	
175	4.100	n/a	n/a	n/a	0	3.22	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	n/a	n/a	n/a	n/a	0	1480	4.1	1486	1473	15	
10	n/a	n/a	n/a	n/a	0	1481	3.7	1487	1475	15	
20	n/a	n/a	n/a	n/a	0	1482	4.0	1488	1475	15	
30	n/a	n/a	n/a	n/a	0	1483	4.1	1488	1475	15	
50	n/a	n/a	n/a	n/a	0	1484	3.5	1489	1477	15	
75	n/a	n/a	n/a	n/a	0	1485	3.2	1488	1478	14	
100	n/a	n/a	n/a	n/a	0	1486	3.5	1488	1479	14	
125	n/a	n/a	n/a	n/a	0	1487	n/a	n/a	n/a	2	
150	n/a	n/a	n/a	n/a	0	1488	n/a	n/a	n/a	1	
175	n/a	n/a	n/a	n/a	0	1489	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	1483	n/a	n/a	n/a	0	

STATION MP02 F E B R U A R Y 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.26	1.051	10.10	6.47	17	31.574	1.1414	32.570	28.760	17	
10	8.28	1.047	10.11	6.47	17	31.646	1.0501	32.570	28.760	17	
20	8.31	1.029	10.12	6.65	17	31.898	1.6562	32.600	30.150	17	
30	8.37	.998	10.23	6.77	17	32.040	.5505	32.608	30.320	17	
50	8.48	.924	10.46	7.04	17	32.292	.4955	32.740	30.535	17	
75	8.53	.829	10.44	7.39	17	32.583	.5592	33.142	30.649	17	
100	8.53	.897	10.22	7.42	10	33.087	.2870	33.454	32.670	10	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.568	.8464	25.349	22.478	17	337.8	80.73	537.3	263.5	17	
10	24.623	.7800	25.376	22.468	17	332.8	74.37	538.3	261.0	17	
20	24.815	.4807	25.413	23.451	17	314.6	45.78	444.5	257.6	17	
30	24.918	.4089	25.411	23.580	17	305.0	38.94	432.4	258.0	17	
50	25.099	.3869	25.489	23.766	17	288.1	36.84	414.9	250.9	17	
75	25.320	.4463	25.761	23.863	17	267.4	42.47	406.0	225.5	17	
100	25.744	.3267	26.157	25.253	10	227.5	31.15	274.5	188.2	10	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.26	1.051	10.10	6.47	17	337.8	80.73	537.3	263.5	17	
10	8.28	1.047	10.11	6.47	17	332.6	74.38	538.2	260.9	17	
20	8.31	1.029	10.12	6.65	17	314.3	45.81	444.3	257.3	17	
30	8.37	.996	10.22	6.77	17	304.5	38.96	432.0	257.5	17	
50	8.47	.921	10.45	7.04	17	287.2	36.85	414.2	250.1	17	
75	8.52	.828	10.43	7.39	17	266.1	42.51	405.0	224.1	17	
100	8.32	.897	10.21	7.41	10	225.8	31.03	272.4	186.6	10	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	17	.00	.000	.00	.00	17	
10	.336	.0798	.540	.260	17	.02	.006	.03	.01	17	
20	.661	.1356	.980	.520	17	.07	.013	.09	.05	17	
30	.971	.1720	1.350	.780	17	.15	.023	.21	.12	17	
50	1.565	.2321	2.190	1.290	17	.39	.051	.55	.33	17	
75	2.258	.3125	3.210	1.900	17	.83	.109	1.20	.72	17	
100	2.810	.2379	3.170	2.510	10	1.34	.092	1.49	1.23	10	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	n/a	n/a	n/a	n/a	0	1480	4.8	1487	1473	17	
10	n/a	n/a	n/a	n/a	0	1480	4.7	1487	1473	17	
20	n/a	n/a	n/a	n/a	0	1480	4.4	1488	1474	17	
30	n/a	n/a	n/a	n/a	0	1481	4.2	1488	1474	17	
50	n/a	n/a	n/a	n/a	0	1482	3.6	1490	1477	17	
75	n/a	n/a	n/a	n/a	0	1483	3.2	1490	1479	17	
100	n/a	n/a	n/a	n/a	0	1483	3.2	1490	1480	10	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP02 M A R C H 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.72	.973	10.81	7.41	27	31.605	.6976	32.574	29.300	27	
10	8.62	.947	10.81	7.40	27	31.671	.6703	32.574	29.608	27	
20	8.56	.963	10.83	7.40	27	31.868	.6090	32.591	29.027	27	
30	8.69	.863	10.83	7.64	27	32.151	.4363	32.700	30.541	27	
50	8.81	.770	10.88	7.58	27	32.543	.2659	32.913	31.808	27	
75	8.68	.828	10.86	7.56	25	32.917	.3842	33.562	32.370	25	
100	8.58	.985	10.73	7.47	16	33.318	.3873	33.672	32.588	16	
125	7.88	.869	9.24	6.92	7	33.606	.5507	33.908	32.939	7	
150	6.89	.255	7.15	6.64	3	33.917	.0307	33.948	33.887	3	
175	6.39	.205	6.54	6.25	2	33.970	.0068	33.979	33.961	2	
200	6.19	n/a	n/a	n/a	1	33.986	n/a	n/a	n/a	1	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.525	.5441	24.972	22.617	27	341.9	51.89	524.0	299.3	27	
10	24.593	.4892	25.070	23.073	27	335.6	46.62	480.5	290.2	27	
20	24.755	.4379	25.360	23.404	27	320.3	41.73	449.2	262.7	27	
30	24.958	.3285	25.455	23.593	27	301.2	31.28	431.2	253.9	27	
50	25.246	.2441	25.590	24.733	27	274.1	23.25	322.8	241.4	27	
75	25.558	.3854	26.195	24.988	25	244.9	36.71	299.3	184.2	25	
100	25.885	.4534	26.316	24.995	16	214.2	43.21	299.1	173.1	16	
125	26.218	.3993	26.593	25.491	7	182.9	38.08	252.2	147.1	7	
150	26.603	.0587	26.661	26.544	3	146.5	5.65	152.2	140.9	3	
175	26.710	.0369	26.737	26.684	2	136.6	3.61	139.1	134.0	2	
200	26.750	n/a	n/a	n/a	1	133.0	n/a	n/a	n/a	1	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.72	.973	10.81	7.41	27	341.9	51.89	524.0	299.3	27	
10	8.62	.947	10.81	7.40	27	335.4	46.64	480.4	290.0	27	
20	8.56	.963	10.83	7.40	27	319.9	41.73	448.8	262.4	27	
30	8.69	.863	10.83	7.64	27	300.6	31.30	430.7	253.3	27	
50	8.80	.769	10.87	7.58	27	273.2	23.22	322.0	240.5	27	
75	8.67	.828	10.85	7.55	25	243.5	36.64	297.6	182.9	25	
100	8.57	.985	10.72	7.46	16	212.3	43.07	296.9	171.4	16	
125	7.86	.867	9.22	6.90	7	180.7	37.90	249.7	145.1	7	
150	6.88	.255	7.14	6.63	3	144.1	5.55	149.7	138.6	3	
175	6.38	.212	6.53	6.23	2	133.9	3.54	136.4	131.4	2	
200	6.17	n/a	n/a	n/a	1	130.2	n/a	n/a	n/a	1	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.000	.000	.000	27	.00	.000	.00	.00	27	
10	.341	.0479	.500	.300	27	.02	.002	.03	.02	27	
20	.670	.0913	.970	.590	27	.07	.010	.10	.06	27	
30	.980	.1228	1.360	.960	27	.15	.018	.21	.12	27	
50	1.554	.1589	2.080	1.360	27	.38	.034	.50	.33	27	
75	2.210	.2149	2.850	1.950	25	.80	.075	.98	.69	25	
100	2.812	.2940	3.490	2.470	16	1.31	.151	1.55	1.13	16	
125	3.110	.2314	3.500	2.910	7	1.78	.224	2.16	1.63	7	
150	3.327	.0379	3.370	3.300	3	2.19	.061	2.24	2.12	3	
175	3.695	.0354	3.720	3.670	2	2.80	.014	2.81	2.79	2	
200	4.050	n/a	n/a	n/a	1	3.44	n/a	n/a	n/a	1	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	6.63	.071	6.71	6.56	4	1481	3.8	1490	1477	27	
10	6.63	.070	6.72	6.56	4	1481	4.0	1490	1476	27	
20	6.50	.083	6.59	6.40	4	1481	4.0	1491	1475	27	
30	6.34	.108	6.48	6.22	4	1482	3.4	1491	1478	27	
50	6.37	.165	6.50	6.13	4	1484	2.9	1491	1478	27	
75	6.41	.042	6.46	6.38	3	1484	2.9	1492	1480	25	
100	5.59	.502	5.95	5.24	2	1485	3.3	1492	1481	16	
125	4.80	.827	5.39	4.22	2	1483	3.0	1487	1479	7	
150	n/a	n/a	n/a	n/a	0	1480	1.0	1481	1479	3	
175	n/a	n/a	n/a	n/a	0	1479	1.7	1479	1478	1	
200	n/a	n/a	n/a	n/a	0	1478	n/a	n/a	n/a	1	

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TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.55	.662	9.67	7.62	9	31.354	.5413	32.150	30.590	9	
10	8.50	.711	9.60	7.34	9	31.487	.4564	32.250	31.060	9	
20	8.44	.663	9.36	7.45	9	31.772	.4795	32.580	31.060	9	
30	8.35	.690	9.53	7.42	9	32.069	.3700	32.600	31.380	9	
50	8.21	.801	9.92	7.40	9	32.495	.1913	32.748	32.110	9	
75	8.09	.749	9.75	7.30	9	32.850	.2892	33.281	32.497	9	
100	7.46	.416	8.18	6.94	6	33.512	.3292	33.793	32.898	6	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.358	.4159	25.000	23.864	9	357.8	.39.63	404.9	296.7	9	
10	24.470	.3756	25.109	23.970	9	347.3	.35.77	394.9	286.4	9	
20	24.702	.4069	25.349	24.008	9	325.3	.38.77	391.5	264.3	9	
30	24.946	.3145	25.365	24.231	9	302.3	.29.96	370.5	262.4	9	
50	25.299	.2031	25.528	24.922	9	269.0	.19.35	305.0	247.2	9	
75	25.594	.2865	26.0100	25.064	9	241.4	.27.28	292.0	201.8	9	
100	26.206	.2798	26.499	25.741	6	183.5	.26.57	227.6	155.7	6	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.55	.662	9.67	7.62	9	357.8	.39.65	404.9	296.6	9	
10	8.50	.711	9.60	7.34	9	347.1	.35.76	394.7	286.3	9	
20	8.44	.663	9.36	7.45	9	325.0	.38.76	391.1	264.0	9	
30	8.35	.690	9.53	7.42	9	301.8	.29.94	369.9	261.9	9	
50	8.20	.797	9.91	7.40	9	268.1	.19.31	304.0	246.4	9	
75	8.09	.751	9.75	7.29	9	240.1	.27.22	290.5	200.6	9	
100	7.45	.416	8.17	6.93	6	181.9	.26.55	226.8	154.1	6	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	9	.00	.000	.00	.00	9	
10	.357	.0364	.400	.300	9	.02	.000	.02	.02	9	
20	.691	.0720	.790	.570	9	.07	.007	.08	.06	9	
30	1.006	.0986	1.180	.840	9	.15	.016	.18	.13	9	
50	1.576	.1291	1.820	1.360	9	.38	.028	.44	.34	9	
75	2.217	.1743	2.560	1.970	9	.79	.058	.91	.73	9	
100	2.673	.1679	2.880	2.470	6	1.23	.071	1.32	1.16	6	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	n/a	n/a	n/a	n/a	0	1480	2.7	1484	1476	9	
10	n/a	n/a	n/a	n/a	0	1480	3.0	1484	1475	9	
20	n/a	n/a	n/a	n/a	0	1481	2.6	1483	1476	9	
30	n/a	n/a	n/a	n/a	0	1481	2.8	1485	1477	9	
50	n/a	n/a	n/a	n/a	0	1481	3.1	1488	1478	9	
75	n/a	n/a	n/a	n/a	0	1482	2.6	1487	1478	9	
100	n/a	n/a	n/a	n/a	0	1481	1.5	1483	1479	9	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

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TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.76	1.046	12.74	8.84	38	31.340	.6421	32.261	29.721	38	
10	10.27	.993	12.39	7.99	38	31.437	.5993	32.261	29.739	38	
20	9.38	1.000	11.60	7.85	38	31.884	.3799	32.440	30.404	38	
30	8.64	.791	10.64	7.44	38	32.200	.3177	32.690	30.894	38	
50	8.06	.664	9.98	7.16	38	32.614	.2847	33.110	31.769	38	
75	7.82	.533	9.47	6.89	38	33.139	.3520	33.742	32.369	38	
100	7.38	.457	8.71	6.74	22	33.610	.2210	33.932	33.152	22	
125	7.32	n/a	n/a	n/a	1	33.842	n/a	n/a	n/a	1	
150	7.03	n/a	n/a	n/a	1	33.893	n/a	n/a	n/a	1	
175	6.61	n/a	n/a	n/a	1	33.931	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	23.991	.5716	24.973	22.570	38	392.8	54.53	528.5	299.3	38	
10	24.149	.5444	24.991	22.636	38	377.9	51.94	522.4	297.6	38	
20	24.641	.3726	25.256	23.505	38	331.2	35.52	439.4	272.6	38	
30	25.004	.3136	25.493	23.950	38	296.7	29.88	397.2	250.3	38	
50	25.415	.2934	25.886	24.585	38	258.0	27.94	337.0	213.2	38	
75	25.861	.3318	26.466	25.114	38	216.0	31.57	287.2	158.4	38	
100	26.294	.2237	26.618	25.740	22	175.2	21.30	228.0	144.3	22	
125	26.486	n/a	n/a	n/a	1	157.4	n/a	n/a	n/a	1	
150	26.565	n/a	n/a	n/a	1	150.2	n/a	n/a	n/a	1	
175	26.652	n/a	n/a	n/a	1	142.1	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.76	1.046	12.74	8.84	38	392.8	54.53	528.5	299.3	38	
10	10.27	.993	12.39	7.99	38	377.7	51.93	522.2	297.5	38	
20	9.38	1.000	11.60	7.85	38	330.8	35.49	439.1	272.3	38	
30	8.64	.791	10.64	7.44	38	296.2	29.85	396.7	249.8	38	
50	8.06	.661	9.97	7.16	38	257.1	27.90	336.1	212.4	38	
75	7.81	.533	9.46	6.88	38	214.7	31.53	285.7	157.3	38	
100	7.37	.457	8.70	6.73	22	173.5	21.23	226.1	142.8	22	
125	7.31	n/a	n/a	n/a	1	155.3	n/a	n/a	n/a	1	
150	7.02	n/a	n/a	n/a	1	147.7	n/a	n/a	n/a	1	
175	6.59	n/a	n/a	n/a	1	139.5	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	38	.00	.000	.00	.00	38	
10	.387	.0534	.530	.300	38	.02	.002	.03	.02	38	
20	.743	.0923	.980	.600	38	.07	.008	.09	.06	38	
30	1.058	.1149	1.340	.890	38	.15	.015	.20	.13	38	
50	1.609	.1589	2.070	1.380	38	.38	.037	.50	.32	38	
75	2.205	.2207	2.860	1.850	38	.76	.078	.99	.62	38	
100	2.758	.3067	3.490	2.350	22	1.22	.142	1.55	1.00	22	
125	2.890	n/a	n/a	n/a	1	1.60	n/a	n/a	n/a	1	
150	3.280	n/a	n/a	n/a	1	2.13	n/a	n/a	n/a	1	
175	3.640	n/a	n/a	n/a	1	2.74	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	7.13	.191	7.27	7.00	2	1488	3.7	1495	1482	38	
10	7.13	.212	7.28	6.98	2	1487	3.5	1494	1478	38	
20	6.28	.354	6.53	6.03	2	1484	3.6	1492	1479	38	
30	5.73	.658	6.19	5.26	2	1482	2.9	1490	1478	38	
50	5.01	.290	5.21	4.80	2	1481	2.4	1488	1478	38	
75	3.86	.587	4.27	3.44	2	1481	1.8	1486	1478	38	
100	n/a	n/a	n/a	n/a	0	1480	1.6	1485	1478	22	
125	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	1480	n/a	n/a	n/a	1	
175	n/a	n/a	n/a	n/a	0	1479	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

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TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	12.51	.984	14.78	10.53	18	31.655	.3235	32.150	31.200	18	
10	11.86	.836	13.72	10.45	18	31.792	.3165	32.320	31.250	18	
20	9.63	.998	11.34	7.96	18	32.124	.3121	32.740	31.640	18	
30	8.59	1.021	10.32	7.06	18	32.424	.3386	33.050	31.900	18	
50	7.86	.686	9.39	6.90	18	32.889	.3083	33.476	32.292	18	
75	7.36	.414	8.42	6.80	18	33.413	.2937	33.846	32.575	18	
100	6.99	.482	7.60	6.35	8	33.755	.1617	33.936	33.442	8	
125	6.93	n/a	n/a	n/a	1	33.867	n/a	n/a	n/a	1	
150	6.56	n/a	n/a	n/a	1	33.937	n/a	n/a	n/a	1	
175	6.24	n/a	n/a	n/a	1	33.961	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	23.921	.3496	24.400	23.180	18	399.5	.33.34	470.2	353.8	18	
10	24.147	.3226	24.772	23.625	18	378.1	.30.78	428.0	318.6	18	
20	24.789	.3619	25.476	24.367	18	317.2	.34.46	357.3	251.7	18	
30	25.186	.3970	25.858	24.597	18	279.5	.37.82	335.6	215.5	18	
50	25.660	.3318	26.243	24.963	18	234.7	.31.58	301.1	179.2	18	
75	26.142	.2748	26.560	25.421	18	189.2	.26.13	257.7	149.5	18	
100	26.462	.1789	26.686	26.174	8	159.2	.17.05	186.5	137.8	8	
125	26.559	n/a	n/a	n/a	1	150.4	n/a	n/a	n/a	1	
150	26.663	n/a	n/a	n/a	1	140.7	n/a	n/a	n/a	1	
175	26.724	n/a	n/a	n/a	1	135.2	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	12.51	.984	14.78	10.53	18	399.5	.33.34	470.2	353.8	18	
10	11.86	.836	13.72	10.45	18	377.9	.30.76	427.7	318.3	18	
20	9.63	.997	11.33	7.96	18	316.8	.34.43	356.9	251.4	18	
30	8.59	1.021	10.32	7.06	18	279.0	.37.78	335.0	215.0	18	
50	7.85	.683	9.38	6.90	18	233.8	.31.52	300.1	178.4	18	
75	7.35	.413	8.41	6.79	18	188.0	.26.10	256.5	148.3	18	
100	6.98	.482	7.59	6.34	8	157.6	.16.99	184.9	136.3	8	
125	6.92	n/a	n/a	n/a	1	148.4	n/a	n/a	n/a	1	
150	6.55	n/a	n/a	n/a	1	138.4	n/a	n/a	n/a	1	
175	6.22	n/a	n/a	n/a	1	132.7	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.000	.000	.000	18	.00	.000	.00	.00	18	
10	.394	.0315	.450	.340	18	.02	.000	.02	.02	18	
20	.743	.0573	.840	.630	18	.07	.007	.08	.06	18	
30	1.041	.0844	1.150	.860	18	.15	.015	.17	.12	18	
50	1.556	.1437	1.740	1.250	18	.36	.039	.42	.28	18	
75	2.084	.2046	2.430	1.660	18	.69	.080	.86	.54	18	
100	2.585	.3125	3.030	2.080	8	1.12	.163	1.39	.89	8	
125	3.250	n/a	n/a	n/a	1	1.70	n/a	n/a	n/a	1	
150	3.610	n/a	n/a	n/a	1	2.20	n/a	n/a	n/a	1	
175	3.950	n/a	n/a	n/a	0	2.78	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	n/a	n/a	n/a	n/a	0	1495	3.2	1502	1488	18	
10	n/a	n/a	n/a	n/a	0	1493	2.7	1499	1488	18	
20	n/a	n/a	n/a	n/a	0	1486	3.4	1492	1480	18	
30	n/a	n/a	n/a	n/a	0	1482	3.5	1488	1477	18	
50	n/a	n/a	n/a	n/a	0	1481	2.3	1485	1477	18	
75	n/a	n/a	n/a	n/a	0	1480	1.2	1483	1478	18	
100	n/a	n/a	n/a	n/a	0	1479	1.6	1481	1477	8	
125	n/a	n/a	n/a	n/a	0	1479	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	1478	n/a	n/a	n/a	1	
175	n/a	n/a	n/a	n/a	0	1478	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP02 J U L Y 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	13.58	1.320	15.62	11.17	16	31.520	.8852	32.150	28.433	16
10	12.75	1.144	14.37	10.96	16	31.794	.3382	32.159	30.919	16
20	10.54	1.157	12.50	8.82	16	32.172	.2251	32.620	31.638	16
30	9.15	.844	11.10	7.95	16	32.435	.2715	32.880	31.855	16
50	7.91	.301	8.50	7.35	16	32.887	.2389	33.220	32.530	16
75	7.48	.347	7.99	6.98	15	33.331	.2005	33.606	32.961	15
100	7.03	.345	7.72	6.63	11	33.712	.1488	33.910	33.440	11
125	7.03	.310	7.33	6.71	3	33.770	.0568	33.809	33.705	3
150	6.74	.537	7.12	6.36	2	33.910	.0479	33.943	33.876	2
175	6.26	n/a	n/a	n/a	1	33.967	n/a	n/a	n/a	1
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
SIGMA T										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	23.606	.8260	24.491	20.823	16	429.6	78.99	695.9	345.2	16
10	23.980	.3553	24.491	23.085	16	394.1	33.91	479.5	345.3	16
20	24.673	.3277	25.130	23.913	16	328.2	31.25	400.7	284.6	16
30	25.109	.3166	25.506	24.337	16	286.8	30.17	360.5	249.0	16
50	25.653	.2095	25.945	25.300	16	235.3	19.90	268.9	207.6	16
75	26.062	.1845	26.287	25.699	15	196.8	17.55	231.4	175.4	15
100	26.423	.1525	26.629	26.113	11	162.9	14.51	192.4	143.3	11
125	26.468	.0602	26.533	26.414	3	158.9	5.77	164.1	152.7	3
150	26.617	.1088	26.694	26.540	2	145.2	10.54	152.6	137.7	2
175	26.726	n/a	n/a	n/a	1	135.0	n/a	n/a	n/a	1
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
THETA										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	13.58	1.320	15.62	11.17	16	429.6	78.99	695.9	345.2	16
10	12.75	1.144	14.37	10.96	16	393.8	33.89	479.2	345.1	16
20	10.54	1.157	12.50	8.82	16	327.8	31.22	400.2	284.2	16
30	9.15	.845	11.10	7.95	16	286.3	30.14	359.8	248.5	16
50	7.90	.297	8.49	7.35	16	234.5	19.91	268.0	206.8	16
75	7.47	.347	7.98	6.97	15	195.6	17.53	230.1	174.2	15
100	7.02	.345	7.71	6.62	11	161.3	14.48	190.7	141.7	11
125	7.02	.306	7.31	6.70	3	156.9	5.71	162.1	150.8	3
150	6.73	.537	7.11	6.35	2	142.8	10.39	150.2	135.5	2
175	6.24	n/a	n/a	n/a	1	132.5	n/a	n/a	n/a	1
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
DELTA D										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.0000	.000	.000	16	.00	.000	.00	.00	16
10	.420	.0657	.640	.350	16	.02	.003	.03	.02	16
20	.779	.0817	1.040	.690	16	.08	.007	.09	.07	16
30	1.086	.0928	1.360	1.020	16	.15	.011	.18	.14	16
50	1.605	.1035	1.840	1.490	16	.36	.026	.43	.32	16
75	2.141	.1370	2.450	1.970	15	.70	.052	.81	.63	15
100	2.607	.1866	2.940	2.370	11	1.11	.096	1.25	.98	11
125	3.017	.1102	3.130	2.910	3	1.62	.075	1.70	1.55	3
150	3.450	.0707	3.500	3.400	2	2.19	.042	2.22	2.16	2
175	3.840	n/a	n/a	n/a	1	2.78	n/a	n/a	n/a	1
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
OXYGEN										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1498	4.1	1504	1491	16
10	n/a	n/a	n/a	n/a	0	1496	3.8	1501	1490	16
20	n/a	n/a	n/a	n/a	0	1489	4.1	1496	1483	16
30	n/a	n/a	n/a	n/a	0	1484	3.0	1491	1480	16
50	n/a	n/a	n/a	n/a	0	1481	1.0	1482	1478	16
75	n/a	n/a	n/a	n/a	0	1480	1.3	1482	1478	15
100	n/a	n/a	n/a	n/a	0	1479	1.1	1481	1478	11
125	n/a	n/a	n/a	n/a	0	1480	1.5	1481	1478	3
150	n/a	n/a	n/a	n/a	0	1479	1.4	1480	1478	2
175	n/a	n/a	n/a	n/a	0	1478	n/a	n/a	n/a	1
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
SOUND										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1498	4.1	1504	1491	16
10	n/a	n/a	n/a	n/a	0	1496	3.8	1501	1490	16
20	n/a	n/a	n/a	n/a	0	1489	4.1	1496	1483	16
30	n/a	n/a	n/a	n/a	0	1484	3.0	1491	1480	16
50	n/a	n/a	n/a	n/a	0	1481	1.0	1482	1478	16
75	n/a	n/a	n/a	n/a	0	1480	1.3	1482	1478	15
100	n/a	n/a	n/a	n/a	0	1479	1.1	1481	1478	11
125	n/a	n/a	n/a	n/a	0	1480	1.5	1481	1478	3
150	n/a	n/a	n/a	n/a	0	1479	1.4	1480	1478	2
175	n/a	n/a	n/a	n/a	0	1478	n/a	n/a	n/a	1
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP02 AUGUST 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	13.65	1.235	16.26	11.82	23	31.722	.4740	32.221	30.131	23
10	12.25	1.377	14.78	9.31	23	31.959	.3411	32.610	31.360	23
20	9.96	1.562	13.92	7.97	23	32.310	.3487	32.760	31.684	23
30	8.76	1.057	11.38	6.70	23	32.585	.3242	33.078	31.936	23
50	7.83	.626	9.32	6.79	23	32.980	.2859	33.394	32.393	23
75	7.44	.566	9.05	6.44	23	33.385	.3103	33.803	32.549	23
100	7.11	.485	8.34	6.36	17	33.690	.2589	33.990	32.968	17
125	6.48	n/a	n/a	n/a	1	33.924	n/a	n/a	n/a	1
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	23.746	.4749	24.332	22.499	23	416.2	45.34	535.3	360.3	23
10	24.200	.4395	25.223	23.390	23	373.1	41.91	450.4	275.6	23
20	24.873	.5029	25.537	23.669	23	309.1	47.94	424.0	245.9	23
30	25.284	.3952	25.738	24.350	23	270.2	37.67	359.2	227.0	23
50	25.735	.2961	26.105	25.079	23	227.6	28.19	290.0	192.3	23
75	26.108	.3105	26.574	25.301	23	192.5	29.53	269.3	148.1	23
100	26.394	.2552	26.731	25.805	17	165.6	24.30	221.6	133.5	17
125	26.664	n/a	n/a	n/a	1	140.3	n/a	n/a	n/a	1
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

THETA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	13.65	1.235	16.26	11.82	23	416.2	45.34	535.3	360.3	23
10	12.25	1.377	14.78	9.31	23	372.9	41.88	450.1	275.4	23
20	9.96	1.562	13.92	7.97	23	308.7	47.89	423.4	245.5	23
30	8.76	1.057	11.38	6.70	23	269.6	37.62	358.5	226.5	23
50	7.83	.622	9.31	6.79	23	226.7	28.16	289.1	191.5	23
75	7.43	.565	9.04	6.43	23	191.2	29.49	267.9	147.0	23
100	7.10	.485	8.33	6.35	17	164.0	24.24	220.0	132.0	17
125	6.47	n/a	n/a	n/a	1	138.4	n/a	n/a	n/a	1
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

DELTA D

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.0000	.000	.000	23	.00	.000	.00	.00	23
10	.400	.0435	.480	.300	23	.02	.002	.02	.01	23
20	.741	.0801	.900	.570	23	.07	.009	.09	.06	23
30	1.030	.1193	1.260	.810	23	.15	.020	.18	.12	23
50	1.525	.1780	1.870	1.220	23	.35	.044	.44	.29	23
75	2.048	.2373	2.550	1.670	23	.68	.084	.88	.57	23
100	2.529	.3206	3.170	2.030	17	1.09	.152	1.43	.89	17
125	2.770	n/a	n/a	n/a	1	1.45	n/a	n/a	n/a	1
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

OXYGEN

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.78	n/a	n/a	n/a	1	1499	4.0	1507	1493	23
10	6.44	n/a	n/a	n/a	1	1495	4.6	1503	1485	23
20	5.60	n/a	n/a	n/a	1	1487	5.4	1500	1480	23
30	4.76	n/a	n/a	n/a	1	1483	3.7	1492	1475	23
50	3.82	n/a	n/a	n/a	1	1480	2.2	1485	1477	23
75	3.57	n/a	n/a	n/a	1	1480	1.9	1485	1476	23
100	2.61	n/a	n/a	n/a	1	1479	1.6	1483	1477	17
125	n/a	n/a	n/a	n/a	0	1478	n/a	n/a	n/a	1
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SOUND

PRESS	MEAN	S.D.	MAX	MIN	N
0	1499	4.0	1507	1493	23
10	1495	4.6	1503	1485	23
20	1487	5.4	1500	1480	23
30	1483	3.7	1492	1475	23
50	1480	2.2	1485	1477	23
75	1480	1.9	1485	1476	23
100	1479	1.6	1483	1477	17
125	1478	n/a	n/a	n/a	1
150	n/a	n/a	n/a	n/a	0
175	n/a	n/a	n/a	n/a	0
200	n/a	n/a	n/a	n/a	0

STATION MP02 S E P T E M B E R 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	12.78	1.148	14.77	11.17	19	31.831	.4144	32.426	31.100	19	
10	11.86	1.225	14.36	10.47	19	31.915	.3867	32.417	31.200	19	
20	10.51	1.649	13.98	8.42	19	32.287	.3415	32.840	31.689	19	
30	8.98	.845	11.25	7.82	19	32.520	.2950	32.040	32.000	19	
50	7.87	.338	8.49	7.36	19	33.051	.2637	33.353	32.516	19	
75	7.30	.294	7.69	6.78	19	33.474	.2240	33.763	32.940	19	
100	6.95	.257	7.31	6.39	13	33.804	.0861	33.919	33.604	13	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.003	.4029	24.633	23.322	19	391.7	38.42	456.6	331.6	19	
10	24.239	.3214	24.767	23.762	19	369.4	30.63	414.8	319.0	19	
20	24.762	.4730	25.512	23.997	19	319.7	45.08	392.7	248.3	19	
30	25.279	.3042	25.746	24.794	19	270.7	28.98	316.9	226.2	19	
50	25.785	.2311	26.034	25.360	19	222.8	21.96	263.1	199.2	19	
75	26.199	.1863	26.455	25.773	19	183.8	17.68	224.2	159.5	19	
100	26.507	.0831	26.664	26.363	13	154.9	7.90	168.5	139.9	13	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	12.78	1.148	14.77	11.17	19	391.7	38.42	456.6	331.6	19	
10	11.86	1.225	14.36	10.47	19	369.1	30.63	414.6	318.8	19	
20	10.51	1.649	13.98	8.42	19	319.3	45.02	392.1	247.9	19	
30	8.98	.845	11.25	7.82	19	270.1	28.95	316.2	225.7	19	
50	7.87	.336	8.49	7.36	19	221.9	21.96	262.3	198.3	19	
75	7.29	.294	7.68	6.77	19	182.6	17.69	223.0	158.3	19	
100	6.94	.257	7.30	6.38	13	153.3	7.89	167.0	138.4	13	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	19	.00	.000	.00	.00	19	
10	.385	.0332	.440	.330	19	.02	.000	.02	.02	19	
20	.733	.0666	.820	.630	19	.07	.007	.08	.06	19	
30	1.027	.1023	1.170	.970	19	.15	.017	.17	.12	19	
50	1.515	.1460	1.730	1.310	19	.34	.035	.40	.30	19	
75	2.023	.1853	2.310	1.770	19	.67	.062	.77	.58	19	
100	2.389	.1752	2.680	2.140	13	1.02	.073	1.14	.90	13	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	n/a	n/a	n/a	n/a	0	1496	3.9	1503	1490	19	
10	n/a	n/a	n/a	n/a	0	1493	4.5	1502	1488	19	
20	n/a	n/a	n/a	n/a	0	1489	5.7	1501	1482	19	
30	n/a	n/a	n/a	n/a	0	1484	3.0	1492	1480	19	
50	n/a	n/a	n/a	n/a	0	1481	1.2	1483	1479	19	
75	n/a	n/a	n/a	n/a	0	1479	1.1	1481	1478	19	
100	n/a	n/a	n/a	n/a	0	1479	1.0	1480	1477	13	
125	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP02 OCTOBER 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	11.33	1.201	12.87	9.40	10	32.096	.5463	32.870	31.185	10	
10	10.92	1.285	12.87	9.40	10	32.192	.4565	32.865	31.225	10	
20	10.00	1.355	12.78	8.64	10	32.451	.3201	33.032	31.894	10	
30	9.27	1.186	11.48	8.06	10	32.644	.2799	33.153	32.201	10	
50	8.08	.601	9.41	7.58	10	33.058	.2173	33.524	32.542	10	
75	7.44	.383	8.33	7.05	10	33.484	.2385	33.755	33.146	10	
100	7.16	.223	7.49	6.97	5	33.779	.0485	33.834	33.711	5	
125	7.13	.113	7.21	7.05	2	33.874	.0439	33.906	33.843	2	
150	7.06	n/a	n/a	n/a	1	33.935	n/a	n/a	n/a	1	
175	6.94	n/a	n/a	n/a	1	33.948	n/a	n/a	n/a	1	
200	6.94	n/a	n/a	n/a	1	33.947	n/a	n/a	n/a	1	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.475	.4343	24.950	23.671	10	346.7	41.37	423.3	301.5	10	
10	24.622	.4270	25.202	23.715	10	332.9	40.72	419.4	277.6	10	
20	24.979	.4011	25.601	24.279	10	299.1	38.23	365.7	239.8	10	
30	25.250	.3703	25.797	24.612	10	273.4	35.29	334.2	221.4	10	
50	25.760	.3240	26.190	25.154	10	225.2	30.83	282.9	184.3	10	
75	26.187	.2233	26.433	25.841	10	185.0	21.23	218.0	161.6	10	
100	26.457	.0514	26.509	26.388	5	159.7	4.93	166.3	154.7	5	
125	26.536	.0186	26.550	26.523	2	152.5	1.84	153.8	151.2	2	
150	26.594	n/a	n/a	n/a	1	147.4	n/a	n/a	n/a	1	
175	26.621	n/a	n/a	n/a	1	145.2	n/a	n/a	n/a	1	
200	26.620	n/a	n/a	n/a	1	145.7	n/a	n/a	n/a	1	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	11.33	1.201	12.87	9.40	10	346.7	41.37	423.3	301.5	10	
10	10.92	1.285	12.87	9.40	10	332.7	40.69	419.1	277.4	10	
20	10.00	1.355	12.78	8.64	10	298.6	38.21	365.3	239.4	10	
30	9.27	1.184	11.47	8.06	10	272.8	35.25	333.6	220.8	10	
50	8.07	.598	9.40	7.58	10	224.3	30.78	281.9	183.5	10	
75	7.43	.383	8.32	7.04	10	183.8	21.19	216.6	160.4	10	
100	7.15	.223	7.48	6.96	5	158.0	4.88	164.6	153.1	5	
125	7.12	.113	7.20	7.04	2	150.4	1.77	151.7	149.2	2	
150	7.05	n/a	n/a	n/a	1	145.0	n/a	n/a	n/a	1	
175	6.92	n/a	n/a	n/a	1	142.4	n/a	n/a	n/a	1	
200	6.92	n/a	n/a	n/a	1	142.5	n/a	n/a	n/a	1	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	10	.00	.000	.00	.00	10	
10	.342	.0416	.420	.280	10	.02	.003	.02	.01	10	
20	.663	.0748	.820	.550	10	.06	.008	.08	.05	10	
30	.947	.1098	1.170	.770	10	.14	.017	.17	.11	10	
50	1.443	.1765	1.800	1.170	10	.34	.043	.42	.27	10	
75	1.950	.2318	2.400	1.600	10	.66	.081	.81	.55	10	
100	2.222	.1594	2.440	2.000	5	1.98	.067	1.07	.90	5	
125	2.705	.1768	2.830	2.580	2	1.44	.092	1.51	1.38	2	
150	3.200	n/a	n/a	n/a	1	2.03	n/a	n/a	n/a	1	
175	3.570	n/a	n/a	n/a	1	2.64	n/a	n/a	n/a	1	
200	3.930	n/a	n/a	n/a	1	3.33	n/a	n/a	n/a	1	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	n/a	n/a	n/a	n/a	0	1491	4.4	1497	1485	10	
10	n/a	n/a	n/a	n/a	0	1490	4.6	1497	1484	10	
20	n/a	n/a	n/a	n/a	0	1487	4.7	1497	1482	10	
30	n/a	n/a	n/a	n/a	0	1485	4.2	1493	1481	10	
50	n/a	n/a	n/a	n/a	0	1481	2.0	1486	1480	10	
75	n/a	n/a	n/a	n/a	0	1480	1.2	1483	1479	10	
100	n/a	n/a	n/a	n/a	0	1480	.8	1481	1479	5	
125	n/a	n/a	n/a	n/a	0	1480	.0	1480	1480	2	
150	n/a	n/a	n/a	n/a	0	1480	n/a	n/a	n/a	1	
175	n/a	n/a	n/a	n/a	0	1480	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	1	

STATION MP02 NOVEMBER 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	9.81	1.315	11.39	8.08	8	32.187	.0728	32.308	32.073	8	
10	9.80	1.317	11.39	8.07	8	32.192	.0713	32.304	32.072	8	
20	9.79	1.292	11.40	8.07	8	32.204	.0693	32.305	32.085	8	
30	9.69	1.250	11.46	8.10	8	32.283	.1344	32.540	32.175	8	
50	9.45	1.186	11.43	7.86	8	32.567	.2634	33.080	32.234	8	
75	8.68	.757	9.84	7.45	8	33.010	.1959	33.324	32.846	8	
100	8.31	.872	9.68	6.77	8	33.275	.2663	33.766	32.900	8	
125	7.57	.028	7.59	7.55	2	33.679	.0529	33.716	33.642	2	
150	7.45	n/a	n/a	n/a	1	33.843	n/a	n/a	n/a	1	
175	7.11	n/a	n/a	n/a	1	33.917	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.806	.1920	25.087	24.548	8	315.2	18.28	339.7	288.4	8	
10	24.811	.1918	25.089	24.549	8	314.9	18.28	339.8	288.3	8	
20	24.821	.1878	25.089	24.548	8	314.0	17.93	340.1	288.4	8	
30	24.901	.2154	25.164	24.552	8	306.6	20.58	340.0	281.6	8	
50	25.162	.3803	25.811	24.571	8	282.1	36.28	338.5	220.3	8	
75	25.631	.2471	26.060	25.404	8	238.0	23.59	259.7	197.0	8	
100	25.894	.3310	26.501	25.509	8	213.3	31.60	250.2	155.4	8	
125	26.321	.0462	26.354	26.289	2	173.0	4.38	176.1	169.9	2	
150	26.467	n/a	n/a	n/a	1	159.5	n/a	n/a	n/a	1	
175	26.572	n/a	n/a	n/a	1	149.9	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	9.81	1.315	11.39	8.08	8	315.2	18.28	339.7	288.4	8	
10	9.80	1.317	11.39	8.07	8	314.7	18.26	339.6	288.1	8	
20	9.79	1.292	11.40	8.07	8	313.6	17.89	339.7	288.1	8	
30	9.69	1.250	11.46	8.10	8	306.0	20.52	339.3	281.0	8	
50	9.44	1.184	11.42	7.86	8	281.2	36.17	337.4	219.5	8	
75	8.67	.757	9.83	7.44	8	236.6	23.47	258.1	195.8	8	
100	8.30	.872	9.67	6.76	8	211.5	31.44	248.1	153.9	8	
125	7.56	.028	7.58	7.54	2	170.9	4.38	174.0	167.8	2	
150	7.44	n/a	n/a	n/a	1	157.0	n/a	n/a	n/a	1	
175	7.10	n/a	n/a	n/a	1	147.0	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	8	.00	.000	.00	.00	8	
10	.315	.0193	.340	.290	8	.02	.005	.02	.01	8	
20	.631	.0372	.680	.580	8	.07	.005	.07	.06	8	
30	.943	.0512	1.020	.870	8	.14	.011	.16	.13	8	
50	1.529	.0998	1.700	1.430	8	.38	.030	.43	.34	8	
75	2.180	.1553	2.430	1.960	8	.79	.071	.89	.67	8	
100	2.745	.2054	2.400	2.410	8	1.30	.122	1.45	1.07	8	
125	3.120	.0141	3.130	3.110	2	1.81	.000	1.81	1.81	2	
150	3.550	n/a	n/a	n/a	1	2.40	n/a	n/a	n/a	1	
175	3.930	n/a	n/a	n/a	1	3.03	n/a	n/a	n/a	1	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	n/a	n/a	n/a	n/a	0	1486	4.9	1492	1480	8	
10	n/a	n/a	n/a	n/a	0	1486	4.9	1492	1480	8	
20	n/a	n/a	n/a	n/a	0	1486	4.6	1492	1480	8	
30	n/a	n/a	n/a	n/a	0	1486	4.8	1493	1480	8	
50	n/a	n/a	n/a	n/a	0	1486	4.1	1493	1481	8	
75	n/a	n/a	n/a	n/a	0	1484	2.6	1488	1480	8	
100	n/a	n/a	n/a	n/a	0	1484	3.0	1488	1478	8	
125	n/a	n/a	n/a	n/a	0	1482	n/a	1482	1482	8	
150	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	8	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP02 D E C E M B E R 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.24	.803	11.40	8.58	11	31.927	.3269	32.272	31.440	11	
10	10.28	.847	11.63	8.62	11	31.969	.2998	32.331	31.530	11	
20	10.27	.930	11.65	8.42	11	32.112	.1782	32.332	31.820	11	
30	10.14	1.079	11.64	8.23	11	32.168	.1577	32.396	31.911	11	
50	9.96	1.099	11.61	8.19	11	32.297	.1755	32.648	31.985	11	
75	9.43	1.291	11.72	7.92	11	32.625	.2548	32.897	32.090	11	
100	9.52	1.734	11.60	8.00	4	32.923	.2452	33.120	32.573	4	
125	7.52	n/a	n/a	n/a	1	33.511	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.537	.2260	24.855	24.157	11	340.8	21.49	376.9	310.5	11	
10	24.562	.2003	24.863	24.239	11	338.5	19.07	369.3	309.9	11	
20	24.675	.1460	24.897	24.360	11	328.0	13.91	358.0	306.8	11	
30	24.738	.1551	25.029	24.446	11	322.1	14.81	350.0	294.3	11	
50	24.868	.2262	25.216	24.508	11	310.2	21.62	344.5	276.8	11	
75	25.209	.3604	25.599	24.602	11	278.2	34.43	336.1	240.9	11	
100	25.422	.4688	25.795	24.802	4	258.3	44.84	317.6	222.6	4	
125	26.197	n/a	n/a	n/a	1	184.8	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.24	.803	11.40	8.58	11	340.8	21.49	376.9	310.5	11	
10	10.28	.847	11.63	8.62	11	338.3	19.07	369.1	309.7	11	
20	10.27	.930	11.65	8.42	11	327.6	13.90	357.6	306.4	11	
30	10.14	1.079	11.64	8.23	11	321.5	14.76	349.3	293.8	11	
50	9.96	1.099	11.60	8.18	11	309.2	21.55	343.4	276.0	11	
75	9.42	1.290	11.71	7.91	11	276.7	34.27	334.4	239.6	11	
100	9.51	1.734	11.59	7.99	4	256.3	44.52	315.2	220.9	4	
125	7.51	n/a	n/a	n/a	1	182.7	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.0000	.000	.000	11	.00	.000	.00	.00	11	
10	.340	.0195	.370	.310	11	.02	.000	.02	.02	11	
20	.674	.0347	.740	.620	11	.07	.003	.07	.06	11	
30	.999	.0435	1.090	.950	11	.15	.004	.16	.14	11	
50	1.635	.0699	1.780	1.520	11	.41	.020	.45	.38	11	
75	2.374	.1322	2.640	2.200	11	.88	.062	.99	.80	11	
100	3.330	.2146	3.310	2.810	4	1.47	.147	1.68	1.36	4	
125	n/a	n/a	n/a	n/a	1	1.95	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	n/a	n/a	n/a	n/a	0	1487	3.1	1492	1481	11	
10	n/a	n/a	n/a	n/a	0	1488	3.3	1493	1481	11	
20	n/a	n/a	n/a	n/a	0	1488	3.5	1493	1481	11	
30	n/a	n/a	n/a	n/a	0	1488	3.9	1493	1481	11	
50	n/a	n/a	n/a	n/a	0	1488	4.2	1494	1481	11	
75	n/a	n/a	n/a	n/a	0	1488	4.7	1495	1481	11	
100	n/a	n/a	n/a	n/a	0	1488	6.1	1495	1482	4	
125	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	1	
150	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
175	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

Table 10. As in Table 6, for Station 2 (P02).

STATION MP02 ALL DATA (JANUARY-DECEMBER) 1956 to 1990

SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	.385	.2493	.580	.050	4	.02	.015	.03	.00	4
22.80	.428	.2375	.610	.130	5	.02	.019	.04	.00	5
23.00	.494	.1837	.650	.220	7	.03	.016	.04	.00	5
23.20	.476	.2563	.770	.060	10	.03	.021	.06	.00	10
23.40	.461	.2725	.890	.030	23	.03	.028	.09	.00	23
23.60	.469	.3622	1.430	.000	56	.04	.056	.23	.00	56
23.80	.499	.3914	2.430	.000	59	.04	.094	.68	.00	59
24.00	.589	.4723	3.860	.030	77	.07	.200	1.75	.00	77
24.20	.583	.3125	1.650	.050	98	.05	.053	.31	.00	98
24.40	.647	.3355	1.830	.000	126	.06	.065	.38	.00	126
24.60	.770	.4032	2.610	.060	147	.10	.118	.97	.00	147
24.80	.954	.4888	2.290	.110	175	.16	.203	1.66	.00	175
25.00	1.102	.5337	3.800	.000	197	.21	.210	1.15	.00	197
25.20	1.351	.6006	1.100	.280	196	.32	.287	1.37	.01	196
25.40	1.580	.6407	2.250	.350	190	.43	.353	1.73	.02	190
25.60	1.784	.6279	1.570	.540	181	.54	.372	2.10	.05	181
25.80	1.933	.6042	1.800	.780	163	.63	.394	2.39	.10	163
26.00	2.080	.5344	1.590	.930	145	.72	.359	2.26	.16	145
26.20	2.244	.4897	1.720	1.170	128	.86	.377	2.55	.24	128
26.40	2.381	.4909	4.340	1.480	85	1.01	.474	3.66	.41	85
26.60	2.656	.6637	4.080	1.730	24	1.40	.741	3.30	.59	24

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	1491	11.8	1500	1474	4
22.80	n/a	n/a	n/a	n/a	0	1487	11.3	1499	1474	5
23.00	n/a	n/a	n/a	n/a	0	1486	11.2	1499	1473	7
23.20	6.99	n/a	n/a	n/a	1	1490	11.6	1505	1474	10
23.40	7.49	.721	8.00	6.90	1	1492	9.6	1503	1475	23
23.60	7.26	.275	7.53	6.90	2	1491	7.8	1501	1475	6
23.80	7.07	.237	7.21	6.90	2	1492	7.1	1503	1475	9
24.00	6.84	.171	6.98	6.65	3	1491	6.9	1501	1476	7
24.20	6.64	.133	6.79	6.53	3	1490	5.6	1499	1476	98
24.40	6.46	.159	6.64	6.36	3	1488	5.2	1497	1476	126
24.60	6.26	.206	6.50	6.13	3	1487	4.5	1496	1477	147
24.80	6.09	.388	6.56	5.66	4	1485	3.9	1495	1474	175
25.00	6.08	.491	6.61	5.27	4	1484	3.2	1493	1475	197
25.20	5.77	.673	6.49	4.92	5	1483	2.6	1490	1475	196
25.40	5.15	.603	5.77	4.53	5	1482	2.4	1489	1477	190
25.60	4.54	.698	5.22	3.77	4	1482	2.1	1489	1477	181
25.80	4.18	.483	4.77	3.78	4	1481	1.9	1488	1476	163
26.00	3.69	.229	3.84	2.43	3	1481	1.6	1485	1477	145
26.20	3.30	.437	3.71	2.84	3	1480	1.4	1484	1477	128
26.40	3.36	n/a	n/a	n/a	1	1479	1.2	1483	1477	85
26.60	2.73	n/a	n/a	n/a	1	1478	1.2	1481	1476	24

Table 10 : STATION MP02 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

TEMPERATURE						SALINITY						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	11.78	3.013	14.26	7.60	4	29.896	.7067	30.500	28.966	4		
22.80	10.99	2.909	14.11	7.61	5	30.040	.6975	30.887	29.260	5		
23.00	10.53	2.808	13.96	7.41	7	30.150	.6653	31.117	29.441	7		
23.20	11.38	3.006	15.52	7.45	10	30.596	.6817	31.520	29.734	10		
23.40	11.83	2.511	14.86	7.49	23	30.914	.5929	31.800	29.963	23		
23.60	11.64	2.043	14.36	7.45	36	31.107	.4773	31.924	30.211	36		
23.80	11.70	1.871	14.65	7.49	59	31.372	.4359	32.118	30.470	59		
24.00	11.33	1.785	14.04	7.53	77	31.537	.4059	32.184	30.722	77		
24.20	10.97	1.461	13.49	7.52	98	31.703	.3263	32.279	30.967	98		
24.40	10.48	1.326	12.73	7.37	126	31.844	.2891	32.363	31.196	126		
24.60	10.00	1.127	12.40	7.45	147	31.987	.2439	32.507	31.467	147		
24.80	9.53	.980	11.76	6.82	175	32.134	.2048	32.620	31.609	175		
25.00	9.13	.791	11.55	6.87	197	32.301	.1617	32.871	31.874	197		
25.20	8.74	.642	10.64	6.79	196	32.475	.1264	32.865	32.113	196		
25.40	8.39	.563	9.96	7.07	190	32.662	.1085	32.975	32.416	190		
25.60	8.13	.482	9.69	7.08	181	32.867	.0909	33.175	32.675	181		
25.80	7.89	.412	9.24	6.74	163	33.078	.0757	33.339	32.889	163		
26.00	7.67	.358	8.60	6.81	145	33.291	.0648	33.466	33.137	145		
26.20	7.44	.302	8.12	6.75	128	33.504	.0540	33.630	33.380	128		
26.40	7.15	.236	7.65	6.66	85	33.706	.0413	33.794	33.619	85		
26.60	6.75	.152	7.02	6.40	24	33.890	.0257	33.936	33.830	24		
DEPTH						SVA						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	7	4.3	11	1	4	525.6	.21	525.8	525.4	4		
22.80	8	3.8	11	3	5	506.5	.29	506.6	506.0	5		
23.00	9	3.2	12	4	7	487.3	.37	487.6	486.7	7		
23.20	9	5.0	16	1	10	468.2	.28	468.5	467.6	10		
23.40	10	5.6	19	1	23	449.2	.22	449.5	448.6	23		
23.60	10	7.7	32	0	36	430.2	.21	430.5	429.4	36		
23.80	11	8.7	56	0	59	411.1	.22	411.7	410.1	59		
24.00	14	10.9	91	1	77	392.1	.26	393.2	391.0	77		
24.20	14	7.1	38	1	98	373.0	.22	373.4	372.1	98		
24.40	16	7.9	43	2	126	354.0	.25	354.5	353.0	126		
24.60	20	10.3	74	2	147	335.0	.26	336.3	334.0	147		
24.80	26	13.7	99	3	175	316.1	.30	317.8	315.2	175		
25.00	32	15.6	83	0	197	297.2	.30	298.2	296.5	197		
25.20	40	18.3	91	9	196	278.2	.34	279.2	277.7	196		
25.40	49	20.4	110	13	190	259.4	.36	260.7	258.8	190		
25.60	58	20.4	121	20	181	240.5	.36	241.9	239.9	181		
25.80	64	19.6	130	27	163	221.6	.35	223.0	221.0	163		
26.00	72	17.0	132	35	145	202.7	.29	203.8	202.1	145		
26.20	82	16.2	150	45	128	183.8	.28	185.0	183.2	128		
26.40	93	19.2	188	63	85	165.0	.32	166.6	164.5	85		
26.60	115	30.6	183	76	24	146.3	.49	147.4	145.6	24		
SIGMA -T.	THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	11.78	3.013	14.26	7.60	4	519.8	9.52	525.3	505.6	4		
22.80	10.99	2.909	14.11	7.61	5	495.9	12.68	505.9	474.6	5		
23.00	10.53	2.808	13.96	7.41	7	480.3	10.91	487.0	456.1	7		
23.20	11.38	3.006	15.52	7.45	10	462.0	7.77	467.7	442.9	10		
23.40	11.82	2.510	14.85	7.49	23	444.9	7.41	449.2	416.2	23		
23.60	11.64	2.043	14.36	7.44	36	426.5	7.29	430.1	387.6	36		
23.80	11.69	1.871	14.65	7.49	59	407.5	5.98	411.0	369.0	59		
24.00	11.33	1.785	14.04	7.52	77	388.0	5.01	391.9	355.4	77		
24.20	10.97	1.461	13.49	7.52	98	370.0	4.41	372.8	344.6	98		
24.40	10.48	1.326	12.73	7.37	126	351.4	3.43	353.8	335.8	126		
24.60	10.00	1.127	12.40	7.45	147	332.9	2.58	334.7	317.6	147		
24.80	9.53	.981	11.75	6.81	175	314.5	1.81	315.6	302.6	175		
25.00	9.12	.791	11.55	6.87	197	295.8	1.16	296.7	287.9	197		
25.20	8.73	.642	10.64	6.78	196	277.1	.73	277.6	273.2	196		
25.40	8.38	.562	9.94	7.07	190	258.1	.62	258.6	254.3	190		
25.60	8.12	.481	9.67	7.08	181	239.1	.70	239.5	234.4	181		
25.80	7.88	.411	9.22	6.74	163	220.1	.75	220.5	216.8	163		
26.00	7.66	.357	8.59	6.81	145	201.2	.63	201.5	197.8	145		
26.20	7.43	.301	8.11	6.74	128	182.2	.47	182.5	180.1	128		
26.40	7.14	.234	8.64	6.65	85	163.3	.27	163.5	162.3	85		
26.60	6.74	.151	7.01	6.40	24	144.4	.12	144.5	144.0	24		

Table 11. As in Table 7, for Station 2 (P02).

Table 11 :

STATION MP02 J A N U A R Y 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	.92	n/a	n/a	n/a	0	30.483	n/a	n/a	n/a	0	
23.80	.62	.969	.9 .30	7.9 .3	22	30.667	n/a	n/a	n/a	0	
24.00	.49	.668	.9 .26	8.0 .07	33	30.903	n/a	n/a	n/a	0	
24.20	.56	.624	.9 .28	8.0 .18	31	31.177	n/a	n/a	n/a	0	
24.40	.46	.645	.9 .58	7.9 .3	31	31.493	n/a	n/a	n/a	0	
24.60	.56	.531	.9 .38	7.8 .3	31	31.674	n/a	n/a	n/a	0	
24.80	.08	.755	10.11	7.8 .00	12	32.030	n/a	n/a	n/a	0	
25.00	.17	.701	10.22	7.8 .3	14	32.302	n/a	n/a	n/a	0	
25.20	.96	.628	.9 .85	7.8 .2	11	32.519	n/a	n/a	n/a	0	
25.40	.74	.824	.9 .96	7.7 .8	10	32.732	n/a	n/a	n/a	0	
25.60	.67	.602	.9 .69	7.7 .8	8	32.970	n/a	n/a	n/a	0	
25.80	.55	.625	.9 .24	7.6 .1	5	33.207	n/a	n/a	n/a	0	
26.00	.34	.262	.9 .52	8.1 .5	2	33.413	n/a	n/a	n/a	0	
26.20	7.86	n/a	n/a	n/a	1	33.578	n/a	n/a	n/a	0	
26.40	7.56	n/a	n/a	n/a	1	33.779	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	430.2	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	411.2	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	1	392.1	n/a	n/a	n/a	0	
23.80	13	2.8	15	11	2	373.0	n/a	n/a	n/a	0	
24.00	13	7.2	19	5	7	354.2	n/a	n/a	n/a	0	
24.20	16	8.2	29	7	7	335.2	n/a	n/a	n/a	0	
24.40	27	11.8	41	9	7	316.3	n/a	n/a	n/a	0	
24.60	32	16.5	49	18	12	297.6	n/a	n/a	n/a	0	
24.80	39	13.1	64	26	14	278.8	n/a	n/a	n/a	0	
25.00	55	14.6	83	43	11	259.9	n/a	n/a	n/a	0	
25.20	70	15.4	91	49	10	241.6	n/a	n/a	n/a	0	
25.40	75	19.4	108	59	8	222.2	n/a	n/a	n/a	0	
25.60	86	19.1	121	59	8	203.4	n/a	n/a	n/a	0	
25.80	96	22.0	130	70	5	185.6	n/a	n/a	n/a	0	
26.00	102	12.0	110	93	2	166.6	n/a	n/a	n/a	0	
26.20	150	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	0	
26.40	188	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	.92	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	.62	.969	.9 .30	7.9 .3	2	429.1	n/a	n/a	n/a	0	
24.00	.49	.668	.9 .26	8.0 .07	3	409.8	1.49	n/a	n/a	0	
24.20	.56	.627	.9 .28	8.0 .17	3	390.5	2.05	n/a	n/a	0	
24.40	.46	.645	.9 .58	7.9 .3	3	371.1	1.97	n/a	n/a	0	
24.60	.56	.528	.9 .37	7.8 .03	3	352.8	1.22	n/a	n/a	0	
24.80	.08	.757	10.11	7.9 .9	12	334.6	.64	n/a	n/a	0	
25.00	.16	.699	10.21	7.8 .2	14	319.3	.65	n/a	n/a	0	
25.20	.95	.628	.9 .84	7.8 .1	11	296.3	.46	n/a	n/a	0	
25.40	.73	.820	.9 .94	7.7 .5	10	277.1	.89	n/a	n/a	0	
25.60	.66	.597	.9 .67	7.7 .7	8	258.1	.69	n/a	n/a	0	
25.80	.54	.621	.9 .22	7.6 .0	5	239.3	.14	n/a	n/a	0	
26.00	.43	.262	.9 .51	8.1 .4	2	220.6	.38	n/a	n/a	0	
26.20	7.85	n/a	n/a	n/a	1	201.3	.07	201.4	201.3	2	
26.40	7.54	n/a	n/a	n/a	0	182.4	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	163.2	n/a	n/a	n/a	0	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	.92	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	.62	.969	.9 .30	7.9 .3	2	429.1	n/a	n/a	n/a	0	
24.00	.49	.668	.9 .26	8.0 .07	3	409.8	1.49	n/a	n/a	0	
24.20	.56	.627	.9 .28	8.0 .17	3	390.5	2.05	n/a	n/a	0	
24.40	.46	.645	.9 .58	7.9 .3	3	371.1	1.97	n/a	n/a	0	
24.60	.56	.528	.9 .37	7.8 .03	3	352.8	1.22	n/a	n/a	0	
24.80	.08	.757	10.11	7.9 .9	12	334.6	.64	n/a	n/a	0	
25.00	.16	.699	10.21	7.8 .2	14	319.3	.65	n/a	n/a	0	
25.20	.95	.628	.9 .84	7.8 .1	11	296.3	.46	n/a	n/a	0	
25.40	.73	.820	.9 .94	7.7 .5	10	277.1	.89	n/a	n/a	0	
25.60	.66	.597	.9 .67	7.7 .7	8	258.1	.69	n/a	n/a	0	
25.80	.54	.621	.9 .22	7.6 .0	5	239.3	.14	n/a	n/a	0	
26.00	.43	.262	.9 .51	8.1 .4	2	220.6	.38	n/a	n/a	0	
26.20	7.85	n/a	n/a	n/a	1	201.3	.07	201.4	201.3	2	
26.40	7.54	n/a	n/a	n/a	0	182.4	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	163.2	n/a	n/a	n/a	0	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	.92	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	.62	.969	.9 .30	7.9 .3	2	429.1	n/a	n/a	n/a	0	
24.00	.49	.668	.9 .26	8.0 .07	3	409.8	1.49	n/a	n/a	0	
24.20	.56	.627	.9 .28	8.0 .17	3	390.5	2.05	n/a	n/a	0	
24.40	.46	.645	.9 .58	7.9 .3	3	371.1	1.97	n/a	n/a	0	
24.60	.56	.528	.9 .37	7.8 .03	3	352.8	1.22	n/a	n/a	0	
24.80	.08	.757	10.11	7.9 .9	12	334.6	.64	n/a	n/a	0	
25.00	.16	.699	10.21	7.8 .2	14	319.3	.65	n/a	n/a	0	
25.20	.95	.628	.9 .84	7.8 .1	11	296.3	.46	n/a	n/a	0	
25.40	.73	.820	.9 .94	7.7 .5	10	277.1	.89	n/a	n/a	0	
25.60	.66	.597	.9 .67	7.7 .7	8	258.1	.69	n/a	n/a	0	
25.80	.54	.621	.9 .22	7.6 .0	5	239.3	.14	n/a	n/a	0	
26.00	.43	.262	.9 .51	8.1 .4	2	220.6	.38	n/a	n/a	0	
26.20	7.85	n/a	n/a	n/a	1	201.3	.07	201.4	201.3	2	
26.40	7.54	n/a	n/a	n/a	0	182.4	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	163.2	n/a	n/a	n/a	0	

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	.300	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	1	
23.80	.555	1.061	.630	.480	2	.01	n/a	n/a	n/a	2	
24.00	.550	.3148	.810	.200	3	.04	.014	.05	.03	3	
24.20	.680	.3651	.970	.270	3	.05	.035	.08	.01	3	
24.40	1.032	.4480	1.510	.340	7	.07	.051	.11	.01	7	
24.60	1.193	.6175	1.880	.240	7	.16	.116	.32	.01	7	
24.80	1.367	.4977	2.200	.580	12	.30	.196	.45	.01	12	
25.00	1.809	.5223	2.800	.800	14	.52	.268	1.15	.05	14	
25.20	2.274	.5039	.050	1.380	11	.82	.335	1.37	.30	11	
25.40	2.335	.6236	.240	1.320	10	.91	.450	1.71	.33	10	
25.60	2.651	.5681	.570	1.770	8	1.14	.503	2.10	.50	8	
25.80	2.856	.6356	.800	2.050	5	1.37	.634	2.39	.68	5	
26.00	2.800	.1273	2.890	2.710	2	1.35	.163	1.46	1.23	2	
26.20	3.660	n/a	n/a	n/a	1	2.49	n/a	n/a	n/a	1	
26.40	4.340	n/a	n/a	n/a	0	3.66	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	1	
23.60	n/a	n/a	n/a	n/a	0	1480	4.2	1483	1477	2	
23.80	n/a	n/a	n/a	n/a	0	1480	2.2	1483	1478	2	
24.00	n/a	n/a	n/a	n/a	0	1480	2.2	1483	1479	2	
24.20	n/a	n/a	n/a	n/a	0	1480	2.2	1485	1479	2	
24.40	n/a	n/a	n/a	n/a	0	1481	2.2	1485	1478	2	
24.60	n/a	n/a	n/a	n/a	0	1484	2.2	1488	1479	2	
24.80	n/a	n/a	n/a	n/a	0	1485	2.2	1489	1479	2	
25.00	n/a	n/a	n/a	n/a	0	1485	2.2	1488	1480	2	
25.20	n/a	n/a	n/a	n/a	0	1484	2.2	1489	1477	1	
25.40	n/a	n/a	n/a	n/a	0	1484	2.2	1489	1480	2	
25.60	n/a	n/a	n/a	n/a	0	1484	2.2	1488	1480	2	
25.80	n/a	n/a	n/a	n/a	0	1484	2.2	1484	1483	2	
26.00	n/a	n/a	n/a	n/a	0	1483	n/a	n/a	n/a	1	
26.20	n/a	n/a	n/a	n/a	0	1483	n/a	n/a	n/a	1	
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

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SIGMA -T	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	7.60	n/a	n/a	n/a	1	28.966	n/a	n/a	n/a	1
22.80	7.61	n/a	n/a	n/a	1	29.260	n/a	n/a	n/a	1
23.00	7.51	.148	7.62	7.41	2	29.488	.0658	29.534	29.441	2
23.20	7.54	.127	7.63	7.45	2	29.762	.0397	29.790	29.734	2
23.40	7.80	.427	8.29	7.49	3	30.027	.0527	30.077	29.972	3
23.60	7.84	.449	8.35	7.52	3	30.271	.0672	30.344	30.211	3
23.80	7.81	.371	8.23	7.54	3	30.507	.0605	30.577	30.470	3
24.00	7.87	.482	8.42	7.54	3	30.778	.0781	30.867	30.722	3
24.20	7.58	.078	7.63	7.52	3	30.974	.0075	30.981	30.967	3
24.40	7.69	.171	7.89	7.58	4	31.259	.0360	31.300	31.233	4
24.60	8.10	.773	9.25	7.65	7	31.589	.1480	31.809	31.501	7
24.80	8.28	1.128	10.23	6.82	7	31.876	.2174	32.259	31.609	7
25.00	8.55	.963	10.49	6.87	10	32.182	.1872	32.574	31.874	10
25.20	8.49	.919	10.30	6.79	10	32.425	.1752	32.790	32.113	12
25.40	8.18	.746	9.44	7.07	12	32.620	.1401	32.865	32.416	12
25.60	8.19	.629	9.17	7.34	10	32.876	.1190	33.065	32.721	10
25.80	7.81	.385	8.50	7.44	6	33.059	.0716	33.188	32.990	6
26.00	7.60	.064	7.64	7.55	2	33.274	.0142	33.284	33.265	2
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
SIGMA -T	DEPTH					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	11	n/a	n/a	n/a	1	525.4	n/a	n/a	n/a	1
22.80	11	n/a	n/a	n/a	1	506.0	n/a	n/a	n/a	1
23.00	9	4.2	12	6	2	487.1	.50	487.4	486.7	2
23.20	10	4.2	13	7	2	467.9	.42	468.2	467.6	2
23.40	13	3.6	16	9	2	449.1	.42	449.4	448.6	2
23.60	19	11.4	32	11	2	430.2	.35	430.5	429.8	2
23.80	29	23.7	56	15	2	411.3	.33	411.7	411.1	2
24.00	42	42.4	91	17	2	392.5	.64	393.2	392.1	2
24.20	20	0	20	20	1	373.1	.00	373.1	373.1	1
24.40	16	13.1	25	1	1	354.0	.15	354.1	353.8	1
24.60	20	9.4	31	12	4	335.0	.10	335.1	334.9	4
24.80	30	9.1	46	19	4	316.1	.12	316.3	316.0	4
25.00	43	18.9	77	12	10	297.3	.35	298.0	296.8	10
25.20	54	19.7	87	19	13	278.5	.38	279.2	278.0	13
25.40	64	24.1	107	13	12	259.6	.43	260.4	258.8	12
25.60	77	9.4	92	59	16	240.8	.21	241.1	240.5	10
25.80	84	5.0	92	79	6	221.0	.05	221.9	221.8	6
26.00	94	7	94	93	2	203.0	.00	203.0	203.0	2
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
SIGMA -T	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	7.60	n/a	n/a	n/a	1	522.9	n/a	n/a	n/a	1
22.80	7.61	n/a	n/a	n/a	1	501.0	n/a	n/a	n/a	1
23.00	7.51	.148	7.62	7.41	2	482.9	3.11	485.1	480.7	2
23.20	7.53	.120	7.62	7.45	2	462.7	1.42	463.7	461.7	2
23.40	7.80	.427	8.29	7.49	3	446.4	2.60	449.0	443.8	3
23.60	7.84	.449	8.25	7.52	3	428.6	1.53	429.9	426.9	3
23.80	7.80	.365	8.22	7.54	2	410.6	.61	411.0	409.9	2
24.00	7.86	.476	8.41	7.54	2	391.1	.61	391.8	390.6	2
24.20	7.58	.078	7.63	7.52	2	372.6	.21	372.8	372.5	2
24.40	7.69	.171	7.89	7.55	4	353.0	.72	353.8	352.5	4
24.60	8.10	.773	9.25	7.65	4	334.0	.26	334.4	333.8	4
24.80	8.28	1.128	10.22	6.81	7	315.6	.10	315.6	315.4	7
25.00	8.55	.962	10.48	6.87	10	296.5	.07	296.6	296.3	10
25.20	8.48	.919	10.29	6.78	13	277.4	.18	277.6	277.0	13
25.40	8.17	.745	9.43	7.07	12	258.4	.08	258.5	258.2	12
25.60	8.18	.627	9.16	7.34	10	239.4	.08	239.5	239.3	10
25.80	8.80	.384	8.49	7.43	6	220.4	.03	220.4	220.3	6
26.00	7.59	.071	7.64	7.54	2	201.3	.07	201.4	201.4	2
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

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SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	.570	n/a	n/a	n/a	1	.03	n/a	n/a	n/a	1
22.80	.610	n/a	n/a	n/a	1	.04	n/a	n/a	n/a	1
23.00	.465	.2616	.650	.280	2	.02	.021	.04	.01	1
23.20	.520	.2263	.680	.360	2	.02	.021	.04	.01	1
23.40	.627	.1617	.720	.440	2	.04	.021	.06	.02	1
23.60	.903	.4692	1.430	.530	2	.10	.110	.23	.03	1
23.80	1.297	.9828	2.430	.680	2	.26	.361	.68	.05	1
24.00	1.847	1.7443	3.860	.790	2	.63	.967	1.75	.07	1
24.20	.930	.0707	.980	.880	2	.09	.007	.09	.08	1
24.40	.717	.6030	1.160	.030	3	.08	.072	.14	.00	1
24.60	.807	.4784	1.370	.400	4	.09	.085	.20	.02	1
24.80	1.066	.3760	1.560	.630	7	.17	.104	.35	.06	1
25.00	1.421	.6314	2.480	.360	10	.35	.287	.96	.02	1
25.20	1.687	.6653	2.780	.530	13	.50	.345	1.21	.05	1
25.40	1.943	.7840	3.170	.350	12	.69	.456	1.65	.02	1
25.60	2.212	.3527	2.950	1.690	16	.83	.192	1.23	.50	1
25.80	2.407	.2254	2.830	2.170	6	.97	.096	1.08	.83	1
26.00	2.760	.4101	3.050	2.470	2	1.18	.078	1.23	1.12	1
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
OXYGEN										
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	1474	n/a	n/a	n/a	1
22.80	n/a	n/a	n/a	n/a	0	1474	n/a	n/a	n/a	1
23.00	n/a	n/a	n/a	n/a	0	1474	1.4	1475	1473	2
23.20	n/a	n/a	n/a	n/a	0	1475	.7	1475	1474	1
23.40	n/a	n/a	n/a	n/a	0	1476	1.7	1478	1475	1
23.60	n/a	n/a	n/a	n/a	0	1477	2.1	1479	1475	1
23.80	n/a	n/a	n/a	n/a	0	1477	2.1	1479	1475	1
24.00	n/a	n/a	n/a	n/a	0	1478	2.9	1481	1476	1
24.20	n/a	n/a	n/a	n/a	0	1477	.7	1477	1476	1
24.40	n/a	n/a	n/a	n/a	0	1477	.6	1478	1477	1
24.60	n/a	n/a	n/a	n/a	0	1479	3.2	1484	1477	1
24.80	n/a	n/a	n/a	n/a	0	1480	4.5	1488	1474	1
25.00	n/a	n/a	n/a	n/a	0	1482	3.9	1490	1475	1
25.20	n/a	n/a	n/a	n/a	0	1482	3.8	1490	1475	1
25.40	n/a	n/a	n/a	n/a	0	1482	3.3	1487	1477	1
25.60	n/a	n/a	n/a	n/a	0	1482	2.7	1486	1478	1
25.80	n/a	n/a	n/a	n/a	0	1481	1.5	1484	1480	1
26.00	n/a	n/a	n/a	n/a	0	1481	.7	1481	1480	1
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
SOUND										
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	1474	n/a	n/a	n/a	1
22.80	n/a	n/a	n/a	n/a	0	1474	n/a	n/a	n/a	1
23.00	n/a	n/a	n/a	n/a	0	1474	1.4	1475	1473	2
23.20	n/a	n/a	n/a	n/a	0	1475	.7	1475	1474	1
23.40	n/a	n/a	n/a	n/a	0	1476	1.7	1478	1475	1
23.60	n/a	n/a	n/a	n/a	0	1477	2.1	1479	1475	1
23.80	n/a	n/a	n/a	n/a	0	1477	2.1	1479	1475	1
24.00	n/a	n/a	n/a	n/a	0	1478	2.9	1481	1476	1
24.20	n/a	n/a	n/a	n/a	0	1477	.7	1477	1476	1
24.40	n/a	n/a	n/a	n/a	0	1477	.6	1478	1477	1
24.60	n/a	n/a	n/a	n/a	0	1479	3.2	1484	1477	1
24.80	n/a	n/a	n/a	n/a	0	1480	4.5	1488	1474	1
25.00	n/a	n/a	n/a	n/a	0	1482	3.9	1490	1475	1
25.20	n/a	n/a	n/a	n/a	0	1482	3.8	1490	1475	1
25.40	n/a	n/a	n/a	n/a	0	1482	3.3	1487	1477	1
25.60	n/a	n/a	n/a	n/a	0	1482	2.7	1486	1478	1
25.80	n/a	n/a	n/a	n/a	0	1481	1.5	1484	1480	1
26.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

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TEMPERATURE						SALINITY						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	n/a	n/a	n/a	n/a	0	29.508	n/a	n/a	n/a	0		
22.80	8.50	n/a	n/a	n/a	1	29.588	n/a	n/a	n/a	1		
23.00	8.12	n/a	n/a	n/a	1	29.770	n/a	n/a	n/a	1		
23.20	7.79	n/a	n/a	n/a	1	30.130	.2368	.30.298	.29.963	2		
23.40	8.48	1.372	9.45	7.51	2	30.184	.2369	.30.551	.30.216	2		
23.60	8.44	1.400	9.43	7.45	2	30.670	.2191	.30.825	.30.515	2		
23.80	8.47	1.393	9.46	7.49	2	30.938	.1184	.31.081	.30.791	4		
24.00	8.66	.815	9.48	7.53	4	31.238	.1592	.31.494	.31.048	6		
24.20	8.89	.920	10.25	7.56	6	31.462	.1239	.31.628	.31.288	7		
24.40	8.72	.677	9.58	7.60	7	31.686	.0981	.31.851	.31.512	8		
24.60	8.62	.532	9.51	7.63	8	31.917	.1306	.32.158	.31.770	17		
24.80	8.50	.687	9.75	7.62	17	32.200	.1509	.32.588	.31.973	26		
25.00	8.55	.767	10.55	7.44	26	32.430	.0875	.32.617	.32.286	23		
25.20	8.53	.462	9.48	7.62	23	32.688	.0821	.32.850	.32.534	21		
25.40	8.54	.424	9.35	7.66	21	32.929	.0781	.33.062	.33.771	20		
25.60	8.47	.414	9.12	7.63	20	33.162	.0703	.33.268	.33.010	16		
25.80	8.34	.390	8.89	7.55	16	33.392	.0514	.33.466	.33.301	13		
26.00	8.20	.296	8.60	7.54	13	33.596	.0369	.33.630	.33.529	9		
26.20	7.94	.216	8.12	7.50	9	33.779	.0174	.33.794	.33.752	4		
26.40	7.56	.116	7.65	7.40	4	33.915	.0000	.33.918	.33.913	3		
26.60	6.90	.015	6.92	6.89	3							
SIGMA -T.	DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	n/a	n/a	n/a	n/a	0	506.5	n/a	n/a	n/a	0		
22.80	4.4	n/a	n/a	n/a	1	487.4	n/a	n/a	n/a	1		
23.00	8.8	n/a	n/a	n/a	1	468.4	n/a	n/a	n/a	1		
23.20	13.1	n/a	n/a	n/a	1	449.4	.16	449.5	449.3	2		
23.40	19.7	n/a	n/a	n/a	2	430.3	.28	430.5	430.1	3		
23.60	26.6	6.4	30	21	22	411.1	.42	411.4	410.8	2		
23.80	28.8	6.4	32	23	22	392.0	.33	392.4	391.6	4		
24.00	19.1	12.9	34	26	4	373.0	.29	373.4	372.5	6		
24.20	18.8	11.7	37	27	6	354.0	.26	354.5	353.7	7		
24.40	20.0	11.1	40	27	7	335.0	.22	335.5	334.9	8		
24.60	24.0	10.9	45	29	8	316.1	.23	316.6	315.8	17		
24.80	26.2	14.1	57	38	17	297.2	.35	298.2	296.2	26		
25.00	33.3	17.5	77	58	26	278.4	.32	279.1	277.9	23		
25.20	47.4	17.9	81	16	23	259.6	.40	260.6	258.9	21		
25.40	59.5	21.3	110	22	21	240.7	.31	241.4	240.3	20		
25.60	68.6	16.0	104	50	20	221.8	.31	222.7	221.6	16		
25.80	77.7	16.2	120	61	16	203.0	.32	203.8	202.6	13		
26.00	85.8	17.2	132	66	13	184.1	.32	184.9	183.8	9		
26.20	95.9	18.9	142	75	9	165.5	.24	165.8	165.3	4		
26.40	123.1	13.1	138	111	4	146.7	.26	146.9	146.4	3		
26.60	143.0	15.9	155	125	3							
SIGMA -T.	THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
22.80	8.50	n/a	n/a	n/a	1	494.4	n/a	n/a	n/a	1		
23.00	8.12	n/a	n/a	n/a	1	483.2	n/a	n/a	n/a	1		
23.20	7.79	n/a	n/a	n/a	1	465.3	n/a	n/a	n/a	1		
23.40	8.48	1.372	9.45	7.51	2	448.2	1.27	449.1	447.3	2		
23.60	8.44	1.407	9.43	7.44	2	428.1	1.70	430.0	427.6	2		
23.80	8.47	1.386	9.45	7.49	2	407.9	2.97	410.0	405.8	2		
24.00	8.65	.819	9.48	7.52	4	390.6	.36	391.9	385.6	4		
24.20	8.89	.920	10.25	7.56	6	371.5	2.20	372.7	366.9	6		
24.40	8.71	.679	9.57	7.59	7	352.1	1.69	353.6	349.5	7		
24.60	8.61	.534	9.51	7.62	8	333.9	.63	334.7	333.1	8		
24.80	8.49	.686	9.74	7.61	17	315.1	.56	315.6	313.8	17		
25.00	8.65	.767	10.54	7.43	26	296.4	.26	296.6	295.4	26		
25.20	8.52	.461	9.48	7.61	23	277.3	.45	277.6	275.3	23		
25.40	8.54	.422	9.34	7.65	21	258.3	.31	258.5	257.3	21		
25.60	8.46	.413	9.11	7.63	20	239.3	.37	239.5	237.8	20		
25.80	8.33	.389	8.87	7.54	16	220.2	.72	220.5	217.5	16		
26.00	8.20	.295	8.59	7.53	13	201.1	.77	201.4	198.7	13		
26.20	7.93	.215	8.11	7.49	9	182.2	.48	182.5	181.1	9		
26.40	7.55	.113	7.64	7.39	4	163.3	.10	163.4	163.2	4		
26.60	6.89	.010	6.90	6.88	3	144.4	.05	144.4	144.3	3		

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SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	.210	n/a	n/a	n/a	1	.00	n/a	n/a	n/a	1
23.00	.430	n/a	n/a	n/a	1	.02	n/a	n/a	n/a	1
23.20	.650	n/a	n/a	n/a	1	.04	n/a	n/a	n/a	1
23.40	.885	.0071	.890	.880	2	.09	.007	.09	.08	2
23.60	1.185	.2475	1.360	1.010	22	.16	.071	.21	.11	22
23.80	1.265	.2616	1.450	1.080	22	.18	.078	.23	.12	22
24.00	.825	.6180	1.530	.230	4	.11	.118	.26	.01	4
24.20	.763	.5469	1.630	.190	6	.09	.114	.30	.00	6
24.40	.819	.5139	1.740	.270	7	.10	.116	.34	.01	7
24.60	.949	.4885	1.910	.350	8	.14	.127	.42	.02	8
24.80	.912	.5590	2.210	.260	17	.15	.172	.57	.01	17
25.00	1.102	.6219	2.690	.200	26	.23	.248	.90	.01	26
25.20	1.496	.6429	3.040	.500	23	.39	.306	1.14	.04	23
25.40	1.831	.6922	3.150	.650	21	.59	.426	1.73	.07	21
25.60	2.063	.5706	3.280	1.440	20	.72	.360	1.50	.36	20
25.80	2.246	.5613	3.420	1.740	16	.86	.408	1.94	.50	16
26.00	2.423	.5758	3.590	1.840	13	1.00	.469	2.26	.57	13
26.20	2.577	.5276	3.720	2.020	9	1.17	.543	2.55	.70	9
26.40	2.983	.1846	3.200	2.750	4	1.66	.265	1.98	1.38	4
26.60	3.247	.2491	3.410	2.960	3	2.07	.380	2.35	1.64	3

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	1478	n/a	n/a	n/a	1
23.00	n/a	n/a	n/a	n/a	0	1476	n/a	n/a	n/a	1
23.20	n/a	n/a	n/a	n/a	0	1476	n/a	n/a	n/a	1
23.40	n/a	n/a	n/a	n/a	0	1479	.57	1483	1475	2
23.60	n/a	n/a	n/a	n/a	0	1479	.57	1483	1475	2
23.80	n/a	n/a	n/a	n/a	0	1480	.4	1484	1475	2
24.00	n/a	n/a	n/a	n/a	0	1481	.6	1484	1476	4
24.20	n/a	n/a	n/a	n/a	0	1482	.6	1487	1477	6
24.40	n/a	n/a	n/a	n/a	0	1481	.6	1485	1477	7
24.60	n/a	n/a	n/a	n/a	0	1481	.2	1486	1478	8
24.80	6.56	.133	6.61	6.31	4	1482	.2	1491	1477	26
25.00	6.44	.133	6.49	6.41	2	1482	.2	1487	1479	23
25.20	6.45	.057	5.77	5.69	2	1483	.1	1487	1480	21
25.40	5.73	.057	n/a	n/a	1	1483	.1	1486	1479	20
25.60	5.03	n/a	n/a	n/a	1	1483	.1	1486	1480	16
25.80	4.38	n/a	n/a	n/a	1	1483	.1	1485	1480	13
26.00	3.84	n/a	n/a	n/a	0	1483	.1	1484	1481	9
26.20	3.34	n/a	n/a	n/a	0	1482	.6	1482	1481	4
26.40	n/a	n/a	n/a	n/a	0	1480	.6	1480	1479	3
26.60	n/a	n/a	n/a	n/a	0					

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	8.67	1.047	9.41	7.93	2	31.016	.0617	31.060	30.973	0	
24.20	8.88	.807	9.51	7.97	3	31.268	.0729	31.339	31.193	0	
24.40	8.53	.877	9.62	7.37	6	31.418	.1659	31.628	31.196	0	
24.60	8.47	.810	9.71	7.45	7	31.664	.1593	31.903	31.467	0	
24.80	8.38	.884	9.82	7.44	7	31.899	.1693	32.174	31.721	0	
25.00	8.40	.797	9.87	7.43	9	32.157	.1479	32.440	31.971	0	
25.20	8.22	.679	9.56	7.36	9	32.377	.1257	32.632	32.211	0	
25.40	8.06	.607	9.22	7.30	9	32.597	.1127	32.821	32.458	0	
25.60	7.86	.424	8.47	7.29	8	32.817	.0771	32.933	32.710	0	
25.80	7.82	.402	8.32	7.29	8	32.68	.0692	33.154	32.966	0	
26.00	7.72	.338	8.18	7.26	5	33.299	.0610	33.382	33.216	0	
26.20	7.44	.155	7.61	7.25	4	34.505	.0273	33.532	33.468	0	
26.40	7.07	n/a	n/a	n/a	1	34.691	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	11	12.0	19.9	22.2	2	392.1	.21	392.4	391.9	0	
24.20	16	11.8	29	26	6	373.1	.24	373.3	372.8	0	
24.40	17	8.7	32	10	6	354.0	.10	354.2	353.9	0	
24.60	20	7.1	34	13	7	335.0	.12	335.2	334.9	0	
24.80	25	7.3	38	17	7	316.0	.18	316.4	315.9	0	
25.00	29	18.7	66	99	9	297.1	.34	297.9	296.7	0	
25.20	46	19.5	85	134	4	278.3	.39	279.2	277.8	0	
25.40	61	17.1	93	45	5	259.5	.33	260.2	259.2	0	
25.60	72	13.2	93	56	5	240.7	.25	241.1	240.3	0	
25.80	76	8.88	89	66	5	221.7	.21	222.0	221.4	0	
26.00	86	9.0	98	86	4	202.9	.21	203.2	202.7	0	
26.20	89	3.4	94	86	4	184.0	.09	184.1	183.9	0	
26.40	93	n/a	n/a	n/a	1	165.0	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	8.66	1.039	9.40	7.93	2	384.6	10.18	391.8	377.4	0	
24.20	8.88	.803	9.50	7.97	6	368.9	.29	372.6	361.6	0	
24.40	8.52	.875	9.61	7.37	6	352.8	.46	353.4	352.3	0	
24.60	8.46	.808	9.71	7.45	7	333.6	.78	334.4	332.5	0	
24.80	8.37	.887	9.82	7.44	7	314.9	.48	315.5	314.3	0	
25.00	8.39	.795	9.86	7.43	7	296.0	1.36	296.7	292.4	0	
25.20	8.21	.677	9.55	7.35	5	276.9	1.24	277.6	273.7	0	
25.40	8.05	.605	9.21	7.29	5	258.9	.36	258.5	257.4	0	
25.60	7.85	.422	8.46	7.29	5	239.0	.72	239.4	237.3	0	
25.80	7.82	.403	8.31	7.28	5	219.9	1.08	220.5	218.0	0	
26.00	7.71	.335	8.17	7.26	5	201.3	.11	201.4	201.1	0	
26.20	7.43	.151	7.60	7.25	4	182.1	.60	182.4	181.2	0	
26.40	7.06	n/a	n/a	n/a	1	163.4	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

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SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	.425	.4596	.750	.100	2	n/a	n/a	n/a	n/a	0
24.20	.630	.4687	1.150	.240	7	.04	.049	.07	.00	2
24.40	.628	.3414	1.240	.370	7	.07	.087	.17	.01	2
24.60	.743	.2887	1.310	.480	7	.07	.070	.20	.02	2
24.80	.910	.2873	1.450	.600	7	.08	.066	.22	.03	2
25.00	.983	.6481	2.290	.000	7	.12	.077	.27	.05	2
25.20	1.477	.6631	2.860	.380	7	.19	.215	.72	.00	2
25.40	1.900	.5963	3.070	1.320	7	.38	.324	1.16	.03	2
25.60	2.126	.4217	2.720	1.650	8	.60	.357	1.34	.30	2
25.80	2.188	.3411	2.690	1.890	8	.76	.279	1.22	.48	2
26.00	2.398	.2363	2.740	2.150	5	.81	.211	1.13	.61	2
26.20	2.512	.2040	2.790	2.320	4	.98	.181	1.18	.75	2
26.40	2.670	n/a	n/a	n/a	1	1.05	.124	1.23	.96	4
26.60	n/a	n/a	n/a	n/a	0	1.14	n/a	n/a	n/a	1

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	1480	4.2	1483	1477	2
24.20	n/a	n/a	n/a	n/a	0	1482	3.2	1484	1478	2
24.40	n/a	n/a	n/a	n/a	0	1481	3.6	1485	1476	2
24.60	n/a	n/a	n/a	n/a	0	1481	3.4	1486	1477	2
24.80	n/a	n/a	n/a	n/a	0	1481	3.7	1487	1477	2
25.00	n/a	n/a	n/a	n/a	0	1481	3.4	1488	1477	2
25.20	n/a	n/a	n/a	n/a	0	1481	2.9	1487	1478	2
25.40	n/a	n/a	n/a	n/a	0	1481	2.6	1486	1478	2
25.60	n/a	n/a	n/a	n/a	0	1481	2.0	1484	1478	2
25.80	n/a	n/a	n/a	n/a	0	1481	1.6	1483	1479	2
26.00	n/a	n/a	n/a	n/a	0	1481	1.5	1483	1479	2
26.20	n/a	n/a	n/a	n/a	0	1480	1.6	1481	1479	2
26.40	n/a	n/a	n/a	n/a	0	1479	n/a	n/a	n/a	1
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

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TEMPERATURE					SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	11.60	n/a	n/a	n/a	1	29.730	n/a	n/a	n/a	1
22.80	11.21	n/a	n/a	n/a	1	29.934	n/a	n/a	n/a	1
23.00	11.58	.905	12.22	10.94	2	30.271	.1754	30.395	30.147	12
23.20	11.20	.704	12.00	10.69	3	30.499	.1439	30.620	30.340	13
23.40	10.92	1.122	12.55	9.40	6	30.654	.2633	31.009	30.293	14
23.60	10.72	1.124	12.33	9.18	10	30.858	.2369	31.204	30.503	15
23.80	10.61	1.085	12.13	8.81	15	31.103	.2317	31.421	30.735	16
24.00	10.34	.985	11.92	8.56	17	31.290	.2064	31.624	30.940	17
24.20	10.22	.871	11.69	8.18	23	31.528	.1909	31.826	31.101	23
24.40	9.86	.790	11.25	7.95	27	31.703	.1660	31.976	31.311	27
24.60	9.48	.655	10.87	7.88	34	31.864	.1327	32.154	31.542	34
24.80	9.08	.602	10.45	7.96	36	32.037	.1197	32.310	31.813	36
25.00	8.70	.519	9.98	7.74	38	32.215	.1005	32.464	32.024	38
25.20	8.32	.451	9.25	7.50	38	32.392	.0865	32.571	32.238	38
25.40	8.02	.444	8.97	7.25	38	32.592	.0842	32.770	32.452	38
25.60	7.87	.419	8.79	7.08	37	32.819	.0789	32.993	32.675	37
25.80	7.79	.363	8.62	7.15	36	33.061	.0666	33.215	32.967	36
26.00	7.69	.317	8.33	7.15	35	33.296	.0562	33.420	33.220	35
26.20	7.52	.285	8.06	7.08	30	33.519	.0502	33.617	33.437	30
26.40	7.22	.210	7.64	6.96	16	33.718	.0368	33.791	33.673	16
26.60	6.77	.110	6.88	6.66	3	33.894	.0193	33.912	33.876	3

DEPTH					SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	6	n/a	n/a	n/a	1	525.7	n/a	n/a	n/a	1
22.80	11	n/a	n/a	n/a	1	506.5	n/a	n/a	n/a	1
23.00	12	.0	12	12	2	487.4	.22	487.6	487.3	2
23.20	10	7.4	16	6	6	468.3	.06	468.4	468.2	6
23.40	12	5.1	17	6	6	449.4	.13	449.4	449.1	6
23.60	10	7.7	25	30	10	430.2	.17	430.5	429.9	10
23.80	12	6.9	28	33	15	411.1	.15	411.4	410.8	15
24.00	14	6.1	32	4	17	392.1	.18	392.4	391.7	17
24.20	15	8.1	38	1	23	373.0	.19	373.4	372.6	23
24.40	17	8.4	43	4	27	354.0	.21	354.5	353.6	27
24.60	20	9.5	55	2	34	335.0	.20	335.6	334.6	34
24.80	25	10.4	61	39	36	316.1	.21	316.7	315.6	36
25.00	31	11.8	68	15	80	297.1	.22	297.7	296.8	88
25.20	40	15.7	90	19	88	278.2	.29	279.2	277.9	88
25.40	51	16.6	95	28	88	259.4	.30	260.2	259.0	88
25.60	61	16.0	98	36	87	240.5	.27	241.2	240.1	87
25.80	70	14.9	101	46	76	221.6	.26	222.3	221.3	86
26.00	79	13.4	105	55	76	202.8	.24	203.2	202.3	85
26.20	86	11.7	109	62	100	183.9	.21	184.4	183.4	80
26.40	92	8.5	105	70	16	165.0	.15	165.2	164.6	16
26.60	115	36.4	157	92	3	146.3	.55	146.9	145.9	3

THETA					SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	11.60	n/a	n/a	n/a	1	525.3	n/a	n/a	n/a	1
22.80	11.21	n/a	n/a	n/a	1	503.7	n/a	n/a	n/a	1
23.00	11.58	.912	12.22	10.94	2	485.1	2.40	486.8	483.4	2
23.20	11.20	.704	12.00	10.69	3	461.8	6.81	466.4	454.0	6
23.40	10.92	1.122	12.55	9.40	6	446.2	4.08	448.7	438.2	6
23.60	10.72	1.124	12.33	9.18	10	428.0	2.67	430.1	421.3	10
23.80	10.61	1.085	12.13	8.81	15	407.9	2.85	410.9	400.4	15
24.00	10.34	.985	11.92	8.56	17	389.6	1.83	391.7	385.2	17
24.20	10.22	.871	11.68	8.18	23	370.1	3.36	372.7	358.8	23
24.40	9.86	.789	11.24	7.95	27	351.4	3.03	353.7	340.9	27
24.60	9.47	.655	10.87	7.88	34	333.4	1.60	334.7	330.0	34
24.80	9.08	.603	10.45	7.95	36	314.6	1.20	315.6	311.7	36
25.00	8.69	.518	9.98	7.74	38	295.8	.98	296.6	292.9	38
25.20	8.31	.451	9.25	7.49	38	277.1	.67	277.6	274.6	38
25.40	8.02	.443	8.97	7.25	38	258.1	.65	258.5	255.5	38
25.60	7.86	.418	8.79	7.08	37	239.1	.67	239.5	236.1	37
25.80	7.79	.362	8.61	7.15	36	220.1	.75	220.5	217.4	36
26.00	7.68	.316	8.32	7.14	35	201.1	.77	201.5	198.1	35
26.20	7.51	.284	8.05	7.07	30	182.2	.60	182.5	180.1	30
26.40	7.21	.210	7.63	6.95	16	163.4	.14	163.5	163.0	16
26.60	6.76	.110	6.87	6.65	3	144.4	.10	144.5	144.3	3

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	.340	n/a	n/a	n/a	1	.01	n/a	n/a	n/a	1	
22.80	.580	n/a	n/a	n/a	1	.03	n/a	n/a	.04	1	
23.00	.625	.0212	.640	.6100	2	.04	.000	.04	.04	1	
23.20	.530	.3568	.770	.1200	3	.04	.032	.06	.00	1	
23.40	.560	.2527	.820	.2800	6	.04	.030	.07	.01	6	
23.60	.481	.3729	1.150	.000	10	.04	.047	.15	.00	10	
23.80	.525	.3241	1.260	.1100	15	.04	.047	.18	.00	15	
24.00	.634	.2900	1.420	.1800	17	.05	.052	.23	.00	17	
24.20	.615	.3599	1.650	.0500	23	.06	.065	.31	.00	23	
24.40	.693	.3705	1.830	.1500	27	.07	.075	.38	.00	27	
24.60	.763	.4020	2.240	.0600	34	.09	.104	.59	.00	34	
24.80	.942	.4229	2.450	.3000	36	.14	.131	.71	.01	36	
25.00	1.099	.4657	2.680	.5600	38	.19	.167	.86	.04	38	
25.20	1.368	.5674	1.100	.6900	38	.30	.266	1.27	.07	38	
25.40	1.674	.5810	.250	.8700	38	.45	.305	.41	.12	38	
25.60	1.905	.5680	.310	1.0700	37	.58	.319	.47	.19	37	
25.80	2.113	.5413	.380	1.3400	36	.71	.326	.54	.29	36	
26.00	2.308	.5085	.470	1.4900	35	.86	.324	.63	.38	35	
26.20	2.426	.4582	.600	1.6400	30	.96	.304	.71	.47	30	
26.40	2.422	.2858	.990	1.7700	16	1.00	.198	.35	.56	16	
26.60	2.607	.6850	3.390	2.1200	3	1.37	.816	2.31	.85	3	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	1490	n/a	n/a	n/a	1	
22.80	n/a	n/a	n/a	n/a	0	1488	n/a	n/a	n/a	1	
23.00	n/a	n/a	n/a	n/a	0	1491	3.5	1493	1488	2	
23.20	6.99	n/a	n/a	n/a	1	1489	2.6	1492	1487	6	
23.40	6.98	n/a	n/a	n/a	1	1488	4.3	1494	1482	6	
23.60	7.13	.205	7.27	6.99	2	1488	4.4	1494	1482	10	
23.80	7.01	.290	7.21	6.80	2	1488	4.1	1494	1481	15	
24.00	6.77	.170	6.89	6.60	2	1487	3.8	1493	1480	17	
24.20	6.57	.057	6.61	6.50	2	1487	3.5	1493	1479	23	
24.40	6.37	.007	6.37	6.30	2	1486	3.0	1491	1478	27	
24.60	6.14	.021	6.16	6.10	2	1485	2.6	1490	1478	34	
24.80	5.79	.191	5.93	5.66	2	1484	2.5	1489	1479	36	
25.00	5.46	.269	6.65	5.27	2	1482	2.2	1488	1478	38	
25.20	5.16	.339	4.40	4.92	2	1481	2.0	1485	1478	38	
25.40	4.89	.509	4.25	4.50	2	1481	2.0	1485	1477	38	
25.60	4.67	.771	5.22	4.13	2	1481	1.8	1485	1477	37	
25.80	4.27	.700	4.77	3.78	2	1481	1.6	1485	1478	36	
26.00	3.43	n/a	n/a	n/a	1	1481	1.4	1484	1478	36	
26.20	2.84	n/a	n/a	n/a	0	1480	1.3	1483	1478	30	
26.40	n/a	n/a	n/a	n/a	0	1479	1.2	1480	1478	16	
26.60	n/a	n/a	n/a	n/a	0					3	

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TEMPERATURE					SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	31.297	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	31.402	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	31.354	.1036	31.503	31.278	4
23.20	14.68	n/a	n/a	n/a	1	31.325	.1854	31.804	31.246	8
23.40	13.93	n/a	n/a	n/a	1	31.178	.1879	31.314	31.314	10
23.60	12.86	.262	13.20	12.60	4	31.925	.1509	32.005	31.484	13
23.80	12.47	.752	13.72	11.40	8	31.632	.1632	32.155	31.636	18
24.00	11.96	.766	12.87	10.56	10	32.047	.1376	32.250	31.810	18
24.20	11.36	.689	12.31	10.11	13	32.158	.1165	32.346	31.952	18
24.40	10.91	.769	11.97	9.71	18	32.289	.0891	32.441	32.121	18
24.60	10.28	.651	11.18	9.21	18	32.435	.0752	32.534	32.288	18
24.80	9.63	.568	10.53	8.69	18	32.611	.0632	32.734	32.496	18
25.00	9.05	.463	9.83	8.21	18	32.817	.0517	32.937	32.742	18
25.20	8.54	.387	9.05	7.78	18	33.031	.0526	32.138	32.939	18
25.40	8.13	.345	8.79	7.52	18	33.248	.0578	32.343	32.137	18
25.60	7.87	.294	8.52	7.41	18	33.477	.0512	32.572	33.408	17
25.80	7.64	.294	8.23	7.13	18	33.691	.0317	33.733	33.624	12
26.00	7.44	.323	7.97	6.81	18	33.888	.0088	33.900	33.878	7
26.20	7.30	.286	7.83	6.91	17					
26.40	7.06	.173	7.31	6.68	12					
26.60	6.74	.047	6.81	6.69	7					

DEPTH					SVA					N
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	468.3	n/a	n/a	n/a	0
23.20	6.1	n/a	n/a	n/a	1	449.1	n/a	n/a	n/a	1
23.40	5.6	n/a	n/a	n/a	1	430.1	.08	430.2	430.0	4
23.60	5.5	3.1	15	6	4	411.1	.18	411.3	410.9	8
23.80	9.9	4.2	17	8	10	392.0	.22	392.2	391.5	10
24.00	11	3.3	18	7	13	373.0	.25	373.2	372.2	13
24.20	13	3.3	21	8	18	354.0	.27	354.2	353.6	18
24.40	14	3.6	30	8	18	335.0	.29	335.3	334.0	18
24.60	18	6.6	37	10	18	316.0	.26	316.3	315.2	18
24.80	22	10.6	52	13	18	297.1	.26	297.6	296.5	18
25.00	28	10.6	52	13	18	278.1	.24	278.7	277.8	18
25.20	33	12.8	65	16	18	259.2	.23	259.7	258.9	18
25.40	39	14.0	73	19	18	240.3	.27	240.9	239.9	18
25.60	47	16.6	89	22	18	221.4	.27	221.9	221.0	18
25.80	56	16.9	95	27	18	202.5	.24	203.0	202.1	18
26.00	65	14.6	97	35	18	183.7	.24	184.1	183.2	17
26.20	75	14.1	101	45	17	164.8	.21	165.2	164.5	12
26.40	86	13.8	109	63	12	146.0	.26	146.5	145.7	7
26.60	98	17.4	132	79	12					

THETA					SVA (THETA)					N
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	466.8	n/a	n/a	n/a	0
23.20	14.67	n/a	n/a	n/a	1	444.4	n/a	n/a	n/a	1
23.40	13.93	n/a	n/a	n/a	1	427.8	.3.21	429.9	423.0	4
23.60	12.86	.262	13.20	12.60	4	408.3	.2.62	410.9	405.1	8
23.80	12.47	.752	13.72	11.40	8	388.8	.3.33	391.6	380.3	10
24.00	11.95	.767	12.87	10.55	10	370.4	.3.70	372.5	358.3	13
24.20	11.36	.689	12.31	10.11	13	351.8	.3.57	353.8	338.8	18
24.40	10.91	.769	11.97	9.71	18	332.4	.3.26	334.7	321.3	18
24.60	10.28	.650	11.17	9.21	18	314.0	.2.54	315.6	305.5	18
24.80	9.63	.567	10.53	8.69	18	295.4	.1.59	296.6	291.1	18
25.00	9.05	.462	9.83	8.21	18	277.1	.76	277.5	274.3	18
25.20	8.54	.386	9.04	7.77	18	258.2	.42	258.6	256.7	18
25.40	8.13	.346	8.79	7.52	18	239.2	.43	239.5	237.7	18
25.60	7.86	.296	8.52	7.40	18	220.1	.61	220.5	218.0	18
25.80	7.63	.294	8.23	7.13	18	201.3	.42	201.5	200.1	18
26.00	7.43	.321	7.96	6.81	18	182.3	.34	182.5	181.3	17
26.20	7.29	.285	7.82	6.91	17	163.5	.41	163.5	162.3	12
26.40	7.06	.171	7.30	6.68	12	144.5	.05	144.5	144.4	7
26.60	6.74	.046	6.80	6.68	7					

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SIGMA -T	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	.060	n/a	n/a	n/a	1	.00	n/a	n/a	n/a	0
23.40	.280	n/a	n/a	n/a	1	.01	n/a	n/a	n/a	0
23.60	.203	.1417	.330	.000	4	.01	.005	.01	.00	4
23.80	.371	.1763	.630	.050	8	.02	.016	.05	.00	8
24.00	.477	.1323	.710	.320	10	.03	.017	.06	.01	10
24.20	.524	.1537	.770	.250	13	.04	.020	.07	.01	13
24.40	.543	.2249	.840	.000	18	.04	.027	.09	.00	18
24.60	.701	.2379	.130	.260	18	.07	.043	.17	.01	18
24.80	.831	.2800	.370	.360	18	.10	.063	.25	.02	18
25.00	.989	.3680	.1800	.450	18	.15	.108	.45	.03	18
25.20	1.147	.4298	.2120	.520	18	.20	.155	.64	.04	18
25.40	1.324	.4638	.2390	.600	18	.27	.193	.83	.05	18
25.60	1.520	.5283	.2790	.680	18	.37	.259	1.15	.07	18
25.80	1.710	.5377	.2940	.790	18	.47	.293	1.30	.10	18
26.00	1.913	.4825	.2990	.980	18	.59	.279	1.35	.16	18
26.20	2.105	.4697	.3050	1.170	17	.73	.291	1.41	.24	17
26.40	2.279	.4868	.3200	1.480	12	.88	.334	1.57	.41	12
26.60	2.376	.5336	.3360	1.730	7	1.02	.415	1.85	.59	7

SIGMA -T	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	1502	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	1500	n/a	n/a	n/a	1
23.40	n/a	n/a	n/a	n/a	0	1496	1.00	1497	1495	4
23.60	n/a	n/a	n/a	n/a	0	1495	2.6	1499	1491	8
23.80	n/a	n/a	n/a	n/a	0	1493	2.8	1497	1488	10
24.00	n/a	n/a	n/a	n/a	0	1491	2.5	1495	1487	13
24.20	n/a	n/a	n/a	n/a	0	1490	2.9	1494	1485	18
24.40	n/a	n/a	n/a	n/a	0	1488	2.4	1491	1484	18
24.60	n/a	n/a	n/a	n/a	0	1486	2.2	1489	1482	18
24.80	n/a	n/a	n/a	n/a	0	1484	2.0	1487	1480	18
25.00	n/a	n/a	n/a	n/a	0	1482	1.7	1484	1479	18
25.20	n/a	n/a	n/a	n/a	0	1481	1.6	1484	1478	18
25.40	n/a	n/a	n/a	n/a	0	1480	1.3	1483	1478	18
25.60	n/a	n/a	n/a	n/a	0	1480	1.5	1483	1477	18
25.80	n/a	n/a	n/a	n/a	0	1479	1.3	1482	1477	17
26.00	n/a	n/a	n/a	n/a	0	1479	1.9	1480	1477	17
26.20	n/a	n/a	n/a	n/a	0	1479	1.4	1482	1477	17
26.40	n/a	n/a	n/a	n/a	0	1478	1.4	1482	1477	17
26.60	n/a	n/a	n/a	n/a	0	1478	1.4	1480	1477	17

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SIGMA -T	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	14.26	n/a	n/a	n/a	1	30.387	n/a	n/a	n/a	1
22.80	14.11	n/a	n/a	n/a	1	30.611	n/a	n/a	n/a	1
23.00	13.96	n/a	n/a	n/a	1	30.830	n/a	n/a	n/a	1
23.20	13.78	n/a	n/a	n/a	1	31.067	n/a	n/a	n/a	1
23.40	13.87	.491	14.44	13.58	3	31.372	.0892	31.473	31.303	3
23.60	13.29	.831	14.36	11.72	7	31.469	.1944	31.713	31.088	7
23.80	13.28	.958	14.39	11.36	11	31.720	.2427	32.011	31.228	11
24.00	12.69	.890	13.84	11.04	11	31.830	.2298	32.095	31.424	11
24.20	12.05	.790	13.00	10.62	13	31.941	.1996	32.151	31.583	13
24.40	11.39	.670	12.25	10.11	15	32.044	.1622	32.230	31.733	15
24.60	10.74	.549	11.49	9.67	16	32.146	.1287	32.339	31.898	16
24.80	10.09	.502	11.02	9.32	16	32.245	.1083	32.441	32.073	16
25.00	9.44	.450	10.30	8.91	16	32.360	.0999	32.555	32.247	16
25.20	8.86	.438	9.71	8.42	16	32.498	.0925	32.671	32.406	16
25.40	8.41	.393	9.14	7.90	16	32.564	.0785	32.810	32.564	16
25.60	8.03	.310	8.47	7.41	16	32.849	.0609	32.970	32.731	16
25.80	7.81	.227	8.14	7.24	16	33.060	.0404	33.120	32.955	16
26.00	7.58	.244	7.94	7.08	15	33.274	.0423	33.337	33.182	15
26.20	7.35	.256	7.79	6.99	15	33.487	.0449	33.564	33.425	15
26.40	7.05	.225	7.45	6.74	13	33.690	.0388	33.758	33.634	13
26.60	6.72	.129	6.87	6.63	3	33.886	.0210	33.910	33.868	3
SIGMA -T	DEPTH					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	9	n/a	n/a	n/a	1	525.8	n/a	n/a	n/a	1
22.80	9	n/a	n/a	n/a	1	506.6	n/a	n/a	n/a	1
23.00	10	n/a	n/a	n/a	1	487.6	n/a	n/a	n/a	1
23.20	11	n/a	n/a	n/a	1	468.4	n/a	n/a	n/a	1
23.40	7	5.6	12	1	3	449.2	.16	449.4	449.1	3
23.60	8	4.4	13	1	7	430.2	.12	430.3	430.0	7
23.80	8	4.6	16	0	11	411.1	.14	411.4	410.9	11
24.00	12	4.5	23	7	11	392.1	.22	392.4	391.6	11
24.20	14	4.7	27	9	13	373.0	.23	373.4	372.5	13
24.40	16	4.7	30	12	15	354.0	.24	354.3	353.5	15
24.60	20	5.5	32	14	16	335.0	.22	335.4	334.5	16
24.80	23	5.9	34	15	16	316.1	.15	316.2	315.7	16
25.00	27	6.4	40	18	16	297.1	.11	297.3	296.9	16
25.20	27	6.9	46	22	16	278.1	.14	278.4	277.9	16
25.40	39	8.4	55	27	16	259.2	.14	259.5	259.0	16
25.60	48	10.2	65	33	16	240.3	.16	240.6	240.1	16
25.80	57	11.6	78	42	16	221.4	.20	221.8	221.2	16
26.00	69	11.8	87	54	15	202.6	.18	202.9	202.4	15
26.20	83	10.7	105	67	15	183.8	.18	184.2	183.6	15
26.40	98	13.8	123	79	13	165.0	.22	165.4	164.7	13
26.60	132	32.4	161	97	3	146.5	.50	147.0	146.0	3
SIGMA -T	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	14.26	n/a	n/a	n/a	1	525.3	n/a	n/a	n/a	1
22.80	14.11	n/a	n/a	n/a	1	505.9	n/a	n/a	n/a	1
23.00	13.96	n/a	n/a	n/a	1	487.0	n/a	n/a	n/a	1
23.20	13.78	n/a	n/a	n/a	1	466.1	n/a	n/a	n/a	1
23.40	13.87	.491	14.44	13.58	3	445.5	.339	449.2	442.5	3
23.60	13.29	.831	14.36	11.72	7	427.5	.202	430.0	425.4	7
23.80	13.28	.958	14.39	11.36	11	409.0	1.56	410.6	406.4	11
24.00	12.68	.887	13.84	11.04	11	389.8	2.39	391.9	385.1	11
24.20	12.05	.791	13.00	10.61	13	370.1	.310	372.7	362.2	13
24.40	11.39	.668	12.24	10.11	15	351.1	.28	353.6	342.1	15
24.60	10.73	.548	11.49	9.67	16	332.4	2.46	334.7	324.9	16
24.80	10.09	.502	11.02	9.32	16	314.7	1.33	315.6	310.0	16
25.00	9.43	.450	10.33	8.91	16	296.0	.67	296.6	294.0	16
25.20	8.85	.439	9.71	8.41	16	277.0	.73	277.6	275.1	16
25.40	8.41	.392	9.14	7.89	16	258.2	.45	258.5	257.0	16
25.60	8.02	.311	8.47	7.40	16	239.0	.90	239.5	236.3	16
25.80	7.80	.227	8.13	7.23	16	220.3	.34	220.5	219.2	16
26.00	7.57	.242	7.93	7.07	15	201.2	.65	201.5	199.5	15
26.20	7.34	.256	7.78	6.99	15	182.3	.31	182.5	181.2	15
26.40	7.05	.223	7.44	6.73	13	163.3	.36	163.5	162.4	13
26.60	6.71	.127	6.85	6.61	3	144.3	.11	144.4	144.2	3

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SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	.580	n/a	n/a	n/a	1	.03	n/a	n/a	n/a	1
22.80	.610	n/a	n/a	n/a	1	.03	n/a	n/a	n/a	1
23.00	.630	n/a	n/a	n/a	1	.03	n/a	n/a	n/a	1
23.20	.670	n/a	n/a	n/a	1	.02	n/a	n/a	n/a	1
23.40	.377	.3353	.720	.050	3	.02	.021	.04	.00	3
23.60	.380	.2399	.770	.020	7	.02	.018	.05	.00	7
23.80	.369	.2373	.810	.000	11	.02	.021	.06	.00	11
24.00	.519	.2196	.970	.290	11	.03	.029	.11	.01	11
24.20	.608	.2244	1.150	.580	13	.05	.038	.16	.02	13
24.40	.674	.2204	1.260	.500	15	.06	.041	.19	.03	15
24.60	.791	.2255	1.330	.540	16	.08	.049	.21	.04	16
24.80	.881	.2310	1.380	.580	16	.10	.054	.23	.04	16
25.00	.994	.2402	1.560	.710	16	.13	.065	.30	.06	16
25.20	1.147	.2440	1.730	.820	16	.18	.078	.37	.08	16
25.40	1.353	.2744	1.990	.960	16	.26	.108	.51	.12	16
25.60	1.581	.3073	2.190	1.110	16	.36	.148	.63	.16	16
25.80	1.791	.3375	2.490	1.360	16	.48	.193	.84	.26	16
26.00	2.033	.3365	2.670	1.590	15	.64	.220	.99	.38	15
26.20	2.301	.3196	2.790	1.840	15	.84	.229	1.29	.53	15
26.40	2.568	.3719	2.150	2.050	13	1.10	.311	1.68	.69	13
26.60	3.100	.6426	3.580	2.370	3	1.81	.752	2.45	.98	3

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	1500	n/a	n/a	n/a	1
22.80	n/a	n/a	n/a	n/a	0	1499	n/a	n/a	n/a	1
23.00	n/a	n/a	n/a	n/a	0	1499	n/a	n/a	n/a	1
23.20	n/a	n/a	n/a	n/a	0	1499	n/a	n/a	n/a	1
23.40	n/a	n/a	n/a	n/a	0	1499	1.7	1501	1498	3
23.60	n/a	n/a	n/a	n/a	0	1497	2.9	1501	1492	7
23.80	n/a	n/a	n/a	n/a	0	1498	.4	1502	1491	11
24.00	n/a	n/a	n/a	n/a	0	1496	.3	1500	1490	11
24.20	n/a	n/a	n/a	n/a	0	1494	.2	1498	1488	13
24.40	n/a	n/a	n/a	n/a	0	1492	.6	1495	1487	15
24.60	n/a	n/a	n/a	n/a	0	1490	.3	1493	1485	16
24.80	n/a	n/a	n/a	n/a	0	1488	.1	1491	1485	16
25.00	n/a	n/a	n/a	n/a	0	1485	1.9	1489	1483	16
25.20	n/a	n/a	n/a	n/a	0	1483	.8	1487	1482	16
25.40	n/a	n/a	n/a	n/a	0	1482	1.6	1485	1480	16
25.60	n/a	n/a	n/a	n/a	0	1481	1.2	1483	1479	16
25.80	n/a	n/a	n/a	n/a	0	1481	1.0	1482	1478	16
26.00	n/a	n/a	n/a	n/a	0	1480	1.1	1482	1478	15
26.20	n/a	n/a	n/a	n/a	0	1479	1.1	1481	1478	14
26.40	n/a	n/a	n/a	n/a	0	1479	1.2	1480	1478	14
26.60	n/a	n/a	n/a	n/a	0	1479	1.2	1480	1478	14

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SIGMA -T.	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	13.67	n/a	n/a	n/a	1	30.500	n/a	n/a	n/a	1
22.80	13.53	n/a	n/a	n/a	1	30.887	n/a	n/a	n/a	1
23.00	13.45	n/a	n/a	n/a	1	31.117	n/a	n/a	n/a	1
23.20	14.46	1.506	15.52	13.39	2	31.401	.1683	31.520	31.282	2
23.40	13.87	.941	14.86	12.34	6	31.443	.2938	31.800	30.940	6
23.60	13.20	.753	14.22	12.28	7	31.539	.2427	31.924	31.184	7
23.80	13.08	1.015	14.65	11.89	10	31.748	.2795	32.118	31.364	10
24.00	12.66	.902	14.04	10.80	16	31.871	.2326	32.184	31.376	16
24.20	12.08	.884	13.49	10.33	18	31.984	.2005	32.279	31.519	18
24.40	11.47	.741	12.73	10.21	23	32.085	.1646	32.363	31.744	23
24.60	10.78	.662	11.92	9.55	23	32.178	.1568	32.440	31.885	23
24.80	10.16	.579	11.19	9.22	23	32.283	.1402	32.507	32.072	23
25.00	9.55	.485	10.37	8.75	23	32.398	.1085	32.574	32.237	23
25.20	8.97	.397	9.86	8.31	23	32.522	.0786	32.698	32.385	23
25.40	8.44	.349	9.27	7.82	23	32.673	.0656	32.829	32.548	23
25.60	8.04	.387	8.74	7.23	23	32.851	.0699	32.988	32.721	23
25.80	7.74	.395	8.38	6.74	23	33.052	.0705	33.164	32.889	23
26.00	7.49	.314	8.09	6.86	21	33.261	.0555	33.367	33.154	21
26.20	7.30	.248	7.74	6.93	21	33.479	.0438	33.556	33.411	21
26.40	7.06	.216	7.38	6.68	15	33.692	.0377	33.744	33.625	15
26.60	6.60	.140	6.71	6.40	5	33.865	.0243	33.884	33.830	5
SIGMA -T.	DEPTH					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	1	n/a	n/a	n/a	1	525.4	n/a	n/a	n/a	1
22.80	3	n/a	n/a	n/a	1	506.0	n/a	n/a	n/a	1
23.00	4	n/a	n/a	n/a	1	486.8	n/a	n/a	n/a	1
23.20	8	2.1	9	6	2	468.1	.49	468.5	467.8	2
23.40	7	3.7	11	1	449.2	.26	449.4	448.8	6	
23.60	8	5.1	18	7	430.1	.35	430.5	429.4	7	
23.80	10	5.6	21	10	411.1	.37	411.4	410.1	10	
24.00	10	6.3	22	16	392.0	.31	392.3	391.0	16	
24.20	12	6.7	24	18	372.9	.29	373.4	372.1	18	
24.40	14	7.0	31	23	353.9	.26	354.4	353.3	23	
24.60	17	8.4	40	22	334.9	.28	335.5	334.5	23	
24.80	20	9.2	44	23	315.9	.27	316.5	315.4	23	
25.00	23	10.1	48	25	297.0	.25	297.5	296.5	23	
25.20	28	11.8	54	23	278.1	.21	278.6	277.7	23	
25.40	36	17.8	83	15	259.2	.29	260.0	258.8	23	
25.60	44	19.4	90	23	240.2	.32	241.1	239.9	23	
25.80	53	18.6	99	33	221.4	.32	222.2	221.0	23	
26.00	63	12.7	87	44	202.5	.23	203.0	202.2	21	
26.20	76	12.6	98	58	183.7	.22	184.1	183.4	21	
26.40	88	11.2	108	68	164.9	.19	165.2	164.5	15	
26.60	95	14.0	115	76	146.0	.25	146.3	145.6	5	
SIGMA -T.	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	13.67	n/a	n/a	n/a	1	505.6	n/a	n/a	n/a	1
22.80	13.53	n/a	n/a	n/a	1	474.6	n/a	n/a	n/a	1
23.00	13.45	n/a	n/a	n/a	1	456.1	n/a	n/a	n/a	1
23.20	14.46	1.506	15.52	13.39	2	455.3	17.54	467.7	442.9	2
23.40	13.87	.939	14.85	12.34	6	440.6	13.59	449.0	416.2	6
23.60	13.20	.753	14.22	12.28	7	420.6	15.39	430.0	387.6	7
23.80	13.08	1.015	14.65	11.89	10	403.3	12.99	410.9	369.0	10
24.00	12.66	.901	14.04	10.80	16	386.4	9.20	391.9	355.4	16
24.20	12.08	.885	13.49	10.33	18	367.6	7.67	372.6	344.6	18
24.40	11.46	.741	12.73	10.21	23	349.4	5.29	353.5	335.8	23
24.60	10.78	.662	11.92	9.65	23	330.9	4.21	334.6	317.6	23
24.80	10.16	.579	11.19	9.22	23	313.0	3.34	315.6	302.6	23
25.00	9.55	.486	10.37	8.75	23	294.9	2.01	296.6	287.9	23
25.20	8.96	.398	9.86	8.31	23	276.9	1.19	277.6	273.2	23
25.40	8.44	.348	9.26	7.81	23	258.0	.72	258.5	255.9	23
25.60	8.03	.386	8.73	7.23	23	239.0	.72	239.5	236.4	23
25.80	7.73	.394	8.37	6.74	23	220.0	1.01	220.5	216.8	23
26.00	7.48	.313	8.08	6.86	21	201.1	.93	201.5	197.8	21
26.20	7.29	.248	7.73	6.92	21	182.2	.45	182.5	180.7	21
26.40	7.06	.214	7.37	6.68	15	163.2	.32	163.5	162.4	15
26.60	6.59	.138	6.70	6.40	5	144.4	.22	144.5	144.0	5

STATION MP02 AUGUST 1956 to 1990

SIGMA -T-	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	.050	n/a	n/a	n/a	1	.00	n/a	n/a	n/a	1
22.80	.130	n/a	n/a	n/a	1	.00	n/a	n/a	n/a	1
23.00	.220	n/a	n/a	n/a	1	.00	n/a	n/a	n/a	1
23.20	.375	.1061	.450	.300	2	.01	.007	.02	.01	2
23.40	.317	.1595	.480	.060	6	.01	.010	.03	.00	6
23.60	.381	.2394	.820	.120	7	.02	.028	.08	.00	7
23.80	.444	.2561	.940	.110	10	.03	.030	.10	.00	10
24.00	.424	.2852	1.0000	.030	16	.03	.033	.11	.00	16
24.20	.513	.2936	1.050	.130	18	.04	.040	.12	.00	18
24.40	.554	.3061	1.260	.020	23	.05	.050	.19	.00	23
24.60	.662	.3459	1.570	.070	23	.07	.071	.31	.00	23
24.80	.754	.3709	1.690	.110	23	.09	.083	.36	.00	23
25.00	.857	.3992	1.810	.150	23	.11	.101	.42	.00	23
25.20	.994	.4426	1.990	.280	23	.15	.130	.51	.01	23
25.40	1.217	.5967	2.770	.450	23	.25	.259	1.05	.03	23
25.60	1.406	.6381	2.960	.660	23	.33	.320	1.22	.08	23
25.80	1.625	.6220	3.120	.890	23	.44	.353	1.38	.14	23
26.00	1.780	.4278	2.650	1.120	21	.52	.231	1.03	.24	21
26.20	2.050	.3956	3.880	1.370	21	.71	.245	1.20	.37	21
26.40	2.199	.3666	3.050	1.550	15	.85	.230	1.38	.48	15
26.60	2.164	.3084	2.630	1.850	5	.90	.247	1.28	.61	5
SIGMA -T-	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	1498	n/a	n/a	n/a	1
22.80	n/a	n/a	n/a	n/a	0	1498	n/a	n/a	n/a	1
23.00	n/a	n/a	n/a	n/a	0	1498	n/a	n/a	n/a	1
23.20	n/a	n/a	n/a	n/a	0	1502	4.99	1505	1498	2
23.40	8.00	n/a	n/a	n/a	1	1500	3.4	1503	1494	6
23.60	7.53	n/a	n/a	n/a	1	1497	2.8	1501	1494	7
23.80	7.21	n/a	n/a	n/a	1	1497	1.9	1503	1493	10
24.00	6.98	n/a	n/a	n/a	1	1496	1.5	1501	1489	16
24.20	6.79	n/a	n/a	n/a	1	1494	1.4	1499	1487	18
24.40	6.64	n/a	n/a	n/a	1	1492	1.3	1497	1487	23
24.60	6.50	n/a	n/a	n/a	1	1490	1.2	1494	1485	23
24.80	6.29	n/a	n/a	n/a	1	1488	1.1	1492	1484	23
25.00	6.08	n/a	n/a	n/a	1	1486	1.0	1489	1483	23
25.20	5.61	n/a	n/a	n/a	1	1484	0.9	1487	1481	23
25.40	4.53	n/a	n/a	n/a	1	1482	0.8	1485	1480	23
25.60	3.77	n/a	n/a	n/a	1	1481	0.7	1484	1477	23
25.80	3.79	n/a	n/a	n/a	1	1480	0.6	1484	1476	23
26.00	3.81	n/a	n/a	n/a	1	1480	0.5	1483	1477	21
26.20	3.71	n/a	n/a	n/a	1	1479	0.4	1482	1478	15
26.40	3.36	n/a	n/a	n/a	1	1477	0.3	1480	1477	15
26.60	2.73	n/a	n/a	n/a	1			1478	1476	5

STATION MP02 S E P T E M B E R 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	13.66	.806	14.23	13.09	22	31.295	.2199	31.450	31.139	22	
23.60	12.81	.877	13.43	12.19	22	31.361	.1930	31.497	31.224	22	
23.80	12.14	.929	13.71	11.18	7	31.469	.2365	31.806	31.239	7	
24.00	12.21	1.356	14.02	10.61	10	31.730	.3190	32.151	31.358	10	
24.20	11.71	1.140	13.49	10.16	12	31.872	.2562	32.275	31.501	12	
24.40	11.24	.952	12.70	9.60	15	31.993	.2087	32.334	31.618	15	
24.60	10.87	.930	12.18	9.17	17	32.169	.1991	32.458	31.786	17	
24.80	10.33	.755	11.56	8.96	19	32.303	.1602	32.563	31.997	19	
25.00	9.72	.582	10.92	8.72	19	32.423	.1261	32.688	32.207	19	
25.20	9.17	.517	10.33	8.33	19	32.561	.1058	32.802	32.391	19	
25.40	8.66	.495	9.69	7.83	19	32.717	.0998	32.930	32.550	19	
25.60	8.19	.458	9.06	7.30	19	32.879	.0883	32.953	32.711	19	
25.80	7.85	.337	8.36	7.21	19	32.969	.0623	32.166	32.951	19	
26.00	7.57	.257	7.92	6.97	19	33.271	.0472	32.337	33.164	19	
26.20	7.33	.245	7.65	6.75	18	33.484	.0439	32.539	33.380	18	
26.40	7.13	.227	7.47	6.66	15	33.702	.0395	32.760	33.619	15	
26.60	6.53	n/a	n/a	n/a	1	33.851	n/a	n/a	n/a	1	

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	449.3	.13	449.3	449.2	22	
23.40	22.83	1.14	7.7	5.5	22	430.1	.03	430.1	430.1	22	
23.60	19.93	4.6	15	13	10	411.1	.16	411.3	410.9	10	
23.80	13.51	4.6	20	17	10	392.1	.21	392.4	391.8	10	
24.00	14.67	6.7	23	15	15	373.1	.20	373.4	372.7	12	
24.20	14.67	6.7	23	15	15	354.1	.18	354.3	353.6	15	
24.40	16.18	7.1	26	15	15	335.0	.17	335.3	334.6	17	
24.60	18.21	6.3	28	10	17	316.0	.16	316.3	315.7	19	
24.80	21.64	6.4	30	11	19	297.0	.14	297.3	296.8	19	
25.00	24.88	6.8	36	14	19	278.1	.15	278.3	277.9	19	
25.20	29.79	7.9	43	16	19	259.1	.13	259.4	258.9	19	
25.40	34.34	10.0	53	19	19	240.2	.16	240.5	239.9	19	
25.60	41.11	11.7	63	23	19	221.3	.16	221.7	221.1	19	
25.80	50.50	12.3	76	35	19	202.5	.17	202.8	202.3	19	
26.00	61.11	11.7	83	46	18	183.7	.13	183.9	183.4	18	
26.20	72.92	9.9	91	55	18	164.8	.14	165.0	164.6	15	
26.40	82.82	7.4	95	68	15	n/a	n/a	n/a	n/a	1	
26.60	95.95	n/a	n/a	n/a	1	145.9	n/a	n/a	n/a	1	

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	447.5	.64	447.7	446.8	22	
23.40	13.66	.806	14.23	13.09	22	426.5	1.77	427.8	425.3	22	
23.60	12.81	.877	13.43	12.19	22	406.6	1.88	410.6	399.4	22	
23.80	12.14	.929	13.71	11.18	7	389.2	1.38	391.9	381.2	7	
24.00	12.21	1.356	14.02	10.61	10	370.8	1.04	372.8	365.1	12	
24.20	11.78	1.140	13.49	10.16	12	352.3	2.19	353.8	345.0	15	
24.40	11.23	.951	12.70	9.60	15	333.1	1.87	334.7	327.3	17	
24.60	10.87	.931	12.18	9.17	17	314.3	1.28	315.6	311.3	19	
24.80	10.33	.793	11.56	8.96	19	295.7	.77	296.5	293.8	19	
25.00	9.72	.583	10.92	8.71	19	277.0	.42	277.5	275.9	19	
25.20	9.16	.517	10.33	8.32	19	257.9	.80	258.5	255.2	19	
25.40	8.65	.495	9.68	7.82	19	239.1	.57	239.5	237.3	19	
25.60	8.19	.459	9.06	7.29	19	220.2	.62	220.5	217.9	19	
25.80	7.84	.340	8.36	7.20	19	201.3	.32	201.5	200.2	19	
26.00	7.56	.257	7.92	6.96	19	182.3	.39	182.5	181.2	18	
26.20	7.32	.243	7.64	6.74	18	163.4	.20	163.5	162.7	15	
26.40	7.12	.226	7.46	6.65	15	n/a	n/a	n/a	n/a	1	
26.60	6.52	n/a	n/a	n/a	1	144.5	n/a	n/a	n/a	1	

STATION MP02 SEPTEMBER 1956 to 1990

SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	.140	.1556	.250	.030	22	.00	.007	.01	.00	22
23.60	.280	.0566	.320	.240	7	.01	.000	.01	.01	22
23.80	.280	.2012	.640	.050	7	.01	.017	.05	.00	7
24.00	.525	.2052	.810	.120	10	.04	.025	.08	.00	10
24.20	.583	.2735	.930	.180	12	.05	.039	.11	.00	12
24.40	.614	.2883	1.050	.190	15	.06	.047	.14	.01	15
24.60	.703	.2563	1.100	.350	17	.07	.047	.15	.02	17
24.80	.766	.2706	1.150	.360	19	.09	.053	.17	.02	19
25.00	.865	.2815	1.320	.460	19	.11	.063	.22	.03	19
25.20	1.001	.3129	1.510	.520	19	.15	.081	.30	.04	19
25.40	1.145	.3669	1.790	.600	19	.20	.114	.44	.05	19
25.60	1.323	.4065	2.040	.740	19	.27	.155	.59	.08	19
25.80	1.534	.4102	2.330	1.000	19	.37	.186	.79	.16	19
26.00	1.773	.3860	2.480	1.240	19	.51	.203	.92	.27	19
26.20	1.974	.3212	2.640	1.420	19	.65	.187	1.06	.35	18
26.40	2.109	.2357	2.470	1.660	15	.76	.135	1.01	.50	15
26.60	2.080	n/a	n/a	n/a	1	.85	n/a	n/a	n/a	1

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	1499	3.0	1501	1496	2
23.40	n/a	n/a	n/a	n/a	0	1496	2.8	1498	1494	2
23.60	n/a	n/a	n/a	n/a	0	1494	2.4	1499	1490	7
23.80	n/a	n/a	n/a	n/a	0	1494	2.2	1501	1488	10
24.00	n/a	n/a	n/a	n/a	0	1493	2.5	1499	1487	12
24.20	n/a	n/a	n/a	n/a	0	1491	2.6	1497	1485	15
24.40	n/a	n/a	n/a	n/a	0	1490	2.6	1495	1484	17
24.60	n/a	n/a	n/a	n/a	0	1488	2.9	1493	1483	19
24.80	n/a	n/a	n/a	n/a	0	1486	2.2	1491	1483	19
25.00	n/a	n/a	n/a	n/a	0	1485	2.0	1489	1481	19
25.20	n/a	n/a	n/a	n/a	0	1483	2.0	1487	1480	19
25.40	n/a	n/a	n/a	n/a	0	1482	1.8	1485	1478	19
25.60	n/a	n/a	n/a	n/a	0	1481	1.3	1483	1478	19
25.80	n/a	n/a	n/a	n/a	0	1480	1.1	1481	1477	18
26.00	n/a	n/a	n/a	n/a	0	1479	1.0	1481	1477	15
26.20	n/a	n/a	n/a	n/a	0	1477	n/a	n/a	n/a	1
26.40	n/a	n/a	n/a	n/a	0					
26.60	n/a	n/a	n/a	n/a	0					

STATION MP02 OCTOBER 1956 to 1990

TEMPERATURE					SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	11.74	n/a	n/a	n/a	1	31.313	n/a	n/a	n/a	1
24.00	11.67	n/a	n/a	n/a	3	31.573	n/a	n/a	n/a	3
24.20	11.60	.965	12.56	10.63	3	31.817	.2081	32.030	31.614	3
24.40	11.18	1.172	12.55	9.81	6	31.989	.2540	32.284	31.698	6
24.60	10.92	1.147	12.40	9.52	6	32.175	.2511	32.507	31.876	6
24.80	10.27	.984	11.76	9.17	6	32.285	.2158	32.620	32.052	6
25.00	9.98	.893	11.55	8.78	10	32.480	.2020	32.871	32.223	10
25.20	9.40	.694	10.64	8.44	10	32.608	.1453	32.865	32.410	10
25.40	8.85	.591	9.84	8.15	10	32.755	.1191	32.951	32.610	10
25.60	8.41	.457	9.15	7.83	10	32.929	.0895	33.065	32.807	10
25.80	8.05	.333	8.53	7.58	10	33.113	.0632	33.196	33.017	10
26.00	7.74	.259	8.01	7.38	10	33.302	.0482	33.354	33.235	10
26.20	7.51	.186	7.75	7.21	8	33.518	.0299	33.557	33.460	8
26.40	7.25	.171	7.52	7.06	5	33.723	.0300	33.771	33.691	5
26.60	7.02	n/a	n/a	n/a	1	33.936	n/a	n/a	n/a	1
DEPTH					SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	411.3	n/a	n/a	n/a	1
23.80	14	n/a	n/a	n/a	1	392.2	n/a	n/a	n/a	1
24.00	17	n/a	n/a	n/a	1	393.0	.16	373.2	372.9	3
24.20	10	8.5	19	7	13	354.1	.24	354.4	353.8	5
24.40	15	9.0	26	7	6	335.0	.24	335.4	334.8	6
24.60	16	10.5	30	6	6	316.1	.22	316.4	315.9	6
24.80	21	11.9	39	11	6	297.0	.23	297.5	296.7	10
25.00	21	12.7	46	11	10	278.1	.22	278.5	277.8	10
25.20	27	12.2	51	10	10	259.2	.21	259.6	258.9	10
25.40	34	11.9	56	15	10	240.2	.23	240.6	239.9	10
25.60	42	12.3	62	20	10	221.4	.23	221.8	221.1	10
25.80	52	13.0	72	30	10	202.5	.25	202.9	202.2	10
26.00	62	13.5	91	37	10	183.6	.23	184.0	183.4	8
26.20	69	13.6	91	50	8	164.9	.28	165.3	164.7	5
26.40	84	17.2	109	70	5	n/a	n/a	n/a	n/a	1
26.60	154	n/a	n/a	n/a	1	146.9	n/a	n/a	n/a	1
THETA					SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	410.8	n/a	n/a	n/a	1
23.60	n/a	n/a	n/a	n/a	0	390.3	n/a	n/a	n/a	1
23.80	11.74	n/a	n/a	n/a	1	371.5	1.38	372.5	369.9	3
24.00	11.67	n/a	n/a	n/a	1	351.9	1.31	353.5	350.7	3
24.20	11.60	.965	12.56	10.63	3	333.6	.90	334.6	332.6	3
24.40	11.18	1.168	12.54	9.81	6	314.9	.34	315.5	314.6	6
24.60	10.92	1.147	12.40	9.52	6	295.7	1.23	296.6	292.5	6
24.80	10.27	.981	11.75	9.17	6	277.1	.65	277.6	275.4	10
25.00	9.98	.893	11.55	8.78	10	257.9	1.27	258.5	254.3	10
25.20	9.40	.692	10.64	8.44	10	238.6	1.76	239.5	234.4	10
25.40	8.84	.592	9.84	8.15	10	219.7	1.42	220.5	216.9	10
25.60	8.41	.457	9.15	7.83	10	201.3	.17	201.5	200.9	10
25.80	8.04	.334	8.52	7.57	10	182.1	.71	182.5	180.6	10
26.00	7.73	.261	8.01	7.37	8	163.4	.09	163.5	163.3	5
26.20	7.50	.188	7.74	7.20	8	144.4	n/a	n/a	n/a	1
26.40	7.25	.168	7.51	7.06	5					
26.60	7.01	n/a	n/a	n/a	1					

STATION MP02 OCTOBER 1956 to 1990

SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	.600	n/a	n/a	n/a	0	.04	n/a	n/a	n/a	0
24.00	.710	n/a	n/a	n/a	1	.06	n/a	n/a	n/a	1
24.20	.400	.360	.790	.080	3	.03	.044	.08	.00	3
24.40	.566	.3528	.960	.240	5	.06	.055	.13	.01	5
24.60	.605	.4026	1.150	.210	6	.07	.076	.28	.02	6
24.80	.763	.4583	1.480	.380	6	.10	.111	.36	.00	6
25.00	.721	.4641	1.670	.040	10	.10	.114	.44	.01	10
25.20	.885	.4525	1.830	.280	10	.14	.136	.51	.03	10
25.40	1.075	.4398	1.950	.430	10	.20	.150	.58	.05	10
25.60	1.284	.4476	2.050	.540	10	.28	.205	.77	.11	10
25.80	1.512	.4634	2.350	.780	10	.39	.291	.97	.16	10
26.00	1.722	.5342	2.570	.930	10	.53	.255	1.08	.28	8
26.20	1.815	.4681	2.730	1.190	8	.59	.310	1.20	.50	5
26.40	1.974	.4013	2.440	1.540	5	2.15	n/a	n/a	n/a	1
26.60	3.280	n/a	n/a	n/a	1					

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	1492	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	1492	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	1492	4.0	1496	1488	1
24.20	n/a	n/a	n/a	n/a	0	1491	4.4	1496	1486	6
24.40	n/a	n/a	n/a	n/a	0	1490	4.5	1496	1485	6
24.60	n/a	n/a	n/a	n/a	0	1488	3.9	1494	1484	6
24.80	n/a	n/a	n/a	n/a	0	1487	3.3	1493	1483	10
25.00	n/a	n/a	n/a	n/a	0	1486	2.6	1490	1482	10
25.20	n/a	n/a	n/a	n/a	0	1484	2.3	1488	1481	10
25.40	n/a	n/a	n/a	n/a	0	1482	1.8	1485	1480	10
25.60	n/a	n/a	n/a	n/a	0	1482	1.3	1483	1480	10
25.80	n/a	n/a	n/a	n/a	0	1481	0.9	1482	1480	10
26.00	n/a	n/a	n/a	n/a	0	1480	0.9	1481	1479	5
26.20	n/a	n/a	n/a	n/a	0	1480	n/a	n/a	n/a	1
26.40	n/a	n/a	n/a	n/a	0					
26.60	n/a	n/a	n/a	n/a	0					

STATION MP02 NOVEMBER 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T-	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	11.37	n/a	n/a	n/a	0	32.258	.0777	32.416	32.240	15	
24.80	10.54	.358	10.92	10.10	15	32.331	.1433	32.610	32.205	6	
25.00	9.92	.683	10.63	8.71	5	32.456	.1228	32.782	32.415	8	
25.20	9.36	.596	10.25	8.47	8	32.595	.0886	32.949	32.710	8	
25.40	9.05	.440	9.85	8.66	8	32.787	.0493	33.049	32.891	7	
25.60	8.60	.254	9.99	8.27	7	32.953	.0335	33.157	32.070	6	
25.80	8.24	.178	8.34	7.88	6	33.138	.0486	33.362	32.261	4	
26.00	7.91	.257	8.06	7.53	4	33.333	.0501	33.566	32.458	4	
26.20	7.61	.281	7.79	7.19	4	33.532	.0829	33.776	32.659	2	
26.40	7.22	.467	7.55	6.89	2	33.718	n/a	n/a	n/a	1	
26.60	7.02	n/a	n/a	n/a	1	33.936	n/a	n/a	n/a	1	
DEPTH						SVA					
SIGMA -T-	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	51	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	41	18.62	62	22	11	335.00	.38	316.9	316.1	15	
24.80	43	16.00	66	26	5	316.5	.34	297.9	297.1	6	
25.00	49	13.4	69	31	8	297.8	.28	278.9	278.1	8	
25.20	62	13.0	74	34	8	259.7	.25	260.0	259.2	8	
25.40	76	20.0	103	40	7	240.9	.39	241.3	240.2	7	
25.60	82	21.5	110	50	6	221.9	.40	222.4	221.3	6	
25.80	92	15.2	101	69	4	203.0	.30	203.2	202.6	4	
26.00	104	13.5	115	84	4	184.2	.27	184.4	183.8	4	
26.20	118	33.2	141	94	2	165.3	.64	165.8	164.9	2	
26.40	183	n/a	n/a	n/a	1	147.4	n/a	n/a	n/a	1	
THETA						SVA (THETA)					
SIGMA -T-	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	11.36	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	10.53	.353	10.91	10.10	5	334.5	.21	315.6	315.1	15	
24.80	9.91	.681	10.62	8.71	6	315.4	.14	296.3	296.2	6	
25.00	9.36	.594	10.24	8.47	8	296.3	.13	277.4	277.2	8	
25.20	9.04	.438	9.84	8.66	8	277.4	.10	258.4	258.2	8	
25.40	8.59	.254	9.08	8.26	7	258.4	.15	239.4	239.1	7	
25.60	8.23	.178	8.33	7.87	6	239.4	.05	220.4	220.3	6	
25.80	7.90	.257	8.05	7.52	4	220.4	.12	201.4	201.2	4	
26.00	7.60	.275	7.78	7.19	4	182.3	.09	182.4	182.2	4	
26.20	7.21	.467	7.54	6.88	2	163.4	.03	163.4	163.4	2	
26.40	7.01	n/a	n/a	n/a	1	144.4	n/a	n/a	n/a	1	

STATION MP02 NOVEMBER 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	1.740				0	.46				0	
24.80	1.334	.6332	2.010	.700	5	.33	.263	.64	.08	15	
25.00	1.408	.5703	2.140	.850	6	.35	.262	.72	.11	6	
25.20	1.523	.4593	2.220	.980	8	.40	.224	.77	.15	8	
25.40	1.885	.4087	2.370	1.080	8	.60	.222	.89	.18	8	
25.60	2.204	.5871	2.890	1.210	7	.87	.414	1.44	.23	7	
25.80	2.305	.5504	2.070	1.440	6	.97	.445	1.63	.34	6	
26.00	2.453	.4102	2.710	1.840	4	1.10	.348	1.31	.58	4	
26.20	2.695	.3686	2.960	2.150	4	1.34	.350	1.60	.82	4	
26.40	2.875	.7707	3.420	2.330	2	1.60	.863	2.21	.99	2	
26.60	4.080	n/a	n/a	n/a	1	3.30	n/a	n/a	n/a	1	
OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	1493	n/a	n/a	n/a	1	
24.80	n/a	n/a	n/a	n/a	0	1490	1.4	n/a	1488	5	
25.00	n/a	n/a	n/a	n/a	0	1488	2.8	1491	1483	6	
25.20	n/a	n/a	n/a	n/a	0	1486	2.7	1490	1482	8	
25.40	n/a	n/a	n/a	n/a	0	1485	1.7	1488	1483	7	
25.60	n/a	n/a	n/a	n/a	0	1484	1.3	1486	1482	6	
25.80	n/a	n/a	n/a	n/a	0	1483	1.0	1484	1481	4	
26.00	n/a	n/a	n/a	n/a	0	1482	1.4	1483	1480	4	
26.20	n/a	n/a	n/a	n/a	0	1481	1.5	1482	1479	2	
26.40	n/a	n/a	n/a	n/a	0	1480	2.8	1482	1478	1	
26.60	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	1	

STATION MP02 D E C E M B E R 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	10.61	.608	11.04	10.18	2	31.575	.1308	31.668	31.483	0	
24.40	10.80	.651	11.26	10.34	1	31.880	.1342	31.975	31.785	0	
24.60	10.15	1.092	11.33	8.60	1	31.998	.2288	32.250	31.686	0	
24.80	10.18	1.084	11.60	8.54	1	32.258	.2301	32.571	31.915	0	
25.00	9.42	.881	10.85	8.20	1	32.353	.1807	32.656	32.108	0	
25.20	9.14	.750	10.50	8.18	1	32.550	.1541	32.835	32.360	0	
25.40	8.56	.471	9.26	8.08	1	32.690	.0909	32.827	32.599	0	
25.60	8.30	.415	8.89	7.90	1	32.894	.0799	33.009	32.818	0	
25.80	7.95	.235	8.18	7.71	1	33.084	.0432	33.126	33.039	0	
26.00	7.73	n/a	n/a	n/a	1	33.301	n/a	n/a	n/a	0	
26.20	7.52	n/a	n/a	n/a	1	33.515	n/a	n/a	n/a	0	
26.40	7.27	n/a	n/a	n/a	1	33.726	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	6.6	1.4	7	2	1	373.0	.00	373.0	373.0	0	
24.20	18	7.1	23	13	1	354.1	.22	354.3	354.0	0	
24.40	24	25.2	74	7	1	335.2	.54	336.4	334.9	0	
24.60	50	28.6	99	15	1	316.7	.63	317.8	315.9	0	
25.00	49	11.5	62	28	1	297.5	.26	297.8	297.1	0	
25.20	64	7.1	73	49	1	278.7	.17	278.9	278.4	0	
25.40	71	6.7	81	60	1	259.8	.16	260.0	259.5	0	
25.60	82	5.6	90	75	1	240.9	.19	241.2	240.7	0	
25.80	98	6.1	102	91	1	222.1	.12	222.2	222.0	0	
26.00	114	n/a	n/a	n/a	1	203.3	n/a	n/a	n/a	0	
26.20	125	n/a	n/a	n/a	1	184.5	n/a	n/a	n/a	0	
26.40	147	n/a	n/a	n/a	0	165.8	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	10.61	.608	11.04	10.18	1	372.6	.19	372.7	372.4	0	
24.40	10.80	.643	11.25	10.34	1	353.1	.71	353.6	352.6	0	
24.60	10.15	1.094	11.33	8.59	1	334.3	.45	334.7	334.3	0	
24.80	10.17	1.082	11.59	8.53	1	315.5	.14	315.6	315.2	0	
25.00	9.41	.879	10.85	8.20	1	296.4	.21	296.6	296.0	0	
25.20	9.13	.748	10.49	8.18	1	277.4	.24	277.5	276.8	0	
25.40	8.55	.467	9.25	8.08	1	258.4	.05	258.5	258.4	0	
25.60	8.29	.415	8.88	7.89	1	239.4	.06	239.5	239.5	0	
25.80	7.94	.235	8.17	7.70	1	220.4	.04	220.4	220.4	0	
26.00	7.72	n/a	n/a	n/a	1	201.1	n/a	n/a	n/a	0	
26.20	7.51	n/a	n/a	n/a	1	182.4	n/a	n/a	n/a	0	
26.40	7.26	n/a	n/a	n/a	0	163.4	n/a	n/a	n/a	0	
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP02 D E C E M B E R 1956 to 1990

DELTA D						POT. ENERGY						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.20	.235	.0354	.260	.210	0	.01	.000	.01	.01	2		
24.40	.660	.2546	.840	.480	0	.07	.049	.10	.03	2		
24.60	.835	.8883	.610	.250	0	.19	.381	.97	.01	2		
24.80	1.679	.9563	.290	.510	0	.55	.592	1.66	.04	2		
25.00	1.595	.3806	1.990	.910	0	.42	.176	.63	.13	2		
25.20	2.022	.2365	2.360	1.540	0	.65	.139	.84	.37	2		
25.40	2.212	.2384	2.580	1.830	0	.78	.149	1.01	.54	2		
25.60	2.496	.2144	2.810	2.210	0	1.00	.150	1.21	.80	2		
25.80	2.847	.1266	2.960	2.710	0	1.33	.150	1.43	1.16	1		
26.00	3.130	n/a	n/a	n/a	0	1.70	n/a	n/a	n/a	0		
26.20	3.330	n/a	n/a	n/a	0	1.95	n/a	n/a	n/a	0		
26.40	3.740	n/a	n/a	n/a	0	2.51	n/a	n/a	n/a	0		
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
SIGMA -T.	OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
22.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
22.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.00	n/a	n/a	n/a	n/a	0	1489	2.1	1490	1487	0		
24.20	n/a	n/a	n/a	n/a	0	1490	2.1	1491	1488	0		
24.40	n/a	n/a	n/a	n/a	0	1488	4.7	1493	1481	0		
24.60	n/a	n/a	n/a	n/a	0	1488	4.9	1495	1481	0		
24.80	n/a	n/a	n/a	n/a	0	1486	3.7	1491	1480	0		
25.00	n/a	n/a	n/a	n/a	0	1485	3.0	1490	1481	0		
25.20	n/a	n/a	n/a	n/a	0	1483	2.1	1486	1481	0		
25.40	n/a	n/a	n/a	n/a	0	1483	1.7	1485	1481	0		
25.60	n/a	n/a	n/a	n/a	0	1482	1.0	1483	1481	0		
25.80	n/a	n/a	n/a	n/a	0	1482	n/a	n/a	n/a	1		
26.00	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	0		
26.20	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	0		
26.40	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	0		
26.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		

Table 12. Statistics of TEMPERATURE, SALINITY, SIGMA T, SVA, THETA, SVA (THETA), DELTA D, POT. ENERGY, OXYGEN, SOUND and DELTA DH at standard pressures, using all data, for Station 3 (P04).

Table 12 : STATION MP04 ALL DATA (JANUARY-DECEMBER) 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	11.32	2.529	18.60	6.40	276	31.969	.4690	33.123	29.704	276
10	11.13	2.409	18.23	6.74	276	32.008	.3930	32.629	30.186	276
20	10.58	2.068	17.27	6.75	276	32.143	.2792	32.630	30.743	276
30	9.78	1.526	15.00	6.78	276	32.286	.2002	32.670	31.351	276
50	8.70	.934	11.89	6.85	276	32.501	.1655	33.127	31.960	276
75	8.09	.693	10.41	6.78	276	32.850	.2748	33.540	32.315	276
100	7.84	.530	10.21	6.72	275	33.304	.2627	33.775	32.582	275
125	7.64	.457	9.76	6.51	275	33.621	.1579	33.891	32.969	275
150	7.40	.395	9.01	6.23	275	33.791	.0853	34.017	33.470	275
175	7.16	.378	8.58	5.96	275	33.875	.0525	34.062	33.684	275
200	6.92	.375	8.13	5.74	275	33.918	.0387	34.088	33.774	275
225	6.66	.379	7.83	5.54	274	33.939	.0341	34.100	33.839	274
250	6.43	.364	7.66	5.42	274	33.955	.0330	34.120	33.860	274
300	6.02	.344	7.15	5.04	274	33.983	.0328	34.130	33.880	274
400	5.37	.287	6.60	4.60	265	34.034	.0305	34.159	33.951	265
500	4.90	.202	5.58	4.27	260	34.098	.0324	34.188	33.999	260
600	4.53	.155	5.95	4.13	254	34.169	.0313	34.266	34.086	254
700	4.23	.126	4.62	3.89	252	34.236	.0309	34.357	34.143	252
800	3.98	.111	4.48	3.65	249	34.296	.0290	34.427	34.165	249
900	3.74	.098	3.97	3.37	247	34.347	.0288	34.485	34.222	247
1000	3.51	.091	3.73	3.22	239	34.388	.0296	34.536	34.191	239
1200	3.09	.086	3.29	2.84	177	34.449	.0273	34.533	34.231	177
1500	2.61	.113	2.69	2.53	2	34.534	.0327	34.557	34.511	2
SIGMA T										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.353	.5954	25.466	22.844	276	358.3	56.75	502.3	252.3	276
10	24.422	.5419	25.388	22.922	276	352.0	51.67	495.2	259.9	276
20	24.629	.4558	25.407	23.144	276	332.4	43.49	474.2	258.3	276
30	24.884	.3274	25.489	23.742	276	308.3	31.24	417.3	250.6	276
50	25.228	.2202	25.829	24.644	276	275.8	21.01	331.6	218.7	276
75	25.594	.2598	26.193	25.018	276	241.3	24.73	296.5	184.4	276
100	25.987	.2336	26.406	25.138	275	204.4	22.21	285.5	164.6	275
125	26.265	.1527	26.590	25.430	275	178.3	14.55	258.1	147.3	275
150	26.432	.0980	26.654	26.027	275	162.8	9.38	201.7	141.5	275
175	26.532	.0749	26.714	26.232	275	153.7	7.22	182.6	136.1	275
200	26.600	.0633	26.759	26.339	275	147.6	6.13	172.7	132.0	275
225	26.651	.0573	26.798	26.456	274	143.0	5.59	162.0	128.9	274
250	26.694	.0534	26.839	26.515	274	139.2	5.22	156.7	125.4	274
300	26.768	.0492	26.889	26.589	274	132.5	4.85	150.2	120.9	274
400	26.889	.0445	27.005	26.698	265	121.8	4.41	140.8	110.2	265
500	26.995	.0396	27.092	26.849	260	112.5	3.92	126.9	102.7	260
600	27.092	.0348	27.175	26.968	254	103.9	3.43	116.2	95.8	254
700	27.176	.0308	27.267	27.066	252	96.4	3.02	107.3	88.1	252
800	27.251	.0281	27.346	27.161	249	89.9	2.76	98.0	81.2	249
900	27.316	.0270	27.420	27.210	247	84.1	2.65	94.2	74.6	247
1000	27.371	.0269	27.480	27.207	239	79.2	2.63	94.6	69.3	239
1200	27.460	.0247	27.526	27.275	177	71.2	2.42	88.7	65.1	177
1500	27.570	.0360	27.595	27.545	2	61.3	3.61	63.8	58.7	2
THETA										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	11.32	2.529	18.60	6.40	276	358.3	56.75	502.3	252.3	276
10	11.13	2.409	18.23	6.74	276	351.8	51.64	494.8	259.8	276
20	10.58	2.068	17.27	6.75	276	332.0	43.42	473.5	257.9	276
30	9.78	1.526	15.00	6.78	276	307.7	31.17	416.4	250.1	276
50	8.70	.934	11.89	6.85	276	274.9	20.94	330.4	217.8	276
75	8.09	.693	10.41	6.78	276	240.1	24.69	294.8	183.1	276
100	7.84	.530	10.20	6.71	275	202.7	22.19	283.3	162.9	275
125	7.63	.456	9.74	6.50	275	176.2	14.50	255.5	145.4	275
150	7.39	.395	9.00	6.22	275	160.3	9.30	198.8	139.3	275
175	7.15	.377	8.57	5.95	275	150.8	7.10	179.2	133.7	275
200	6.90	.374	8.11	5.73	275	144.4	5.99	169.1	129.4	275
225	6.64	.379	7.81	5.52	274	139.6	5.42	158.0	125.6	274
250	6.41	.364	7.64	5.40	274	135.5	5.05	152.3	121.7	274
300	5.99	.343	7.12	5.02	274	128.4	4.65	145.3	116.9	274
400	5.34	.286	6.56	4.57	265	116.8	4.19	134.8	105.9	265
500	4.86	.201	5.54	4.23	260	106.7	3.74	120.5	97.5	260
600	4.48	.154	5.00	4.09	254	97.5	3.29	109.2	89.6	254
700	4.18	.125	4.56	3.84	252	89.4	2.91	99.8	80.8	252
800	3.92	.111	4.42	3.59	249	82.3	2.66	90.9	73.3	249
900	3.67	.098	3.91	3.31	247	76.1	2.55	86.2	66.2	247
1000	3.44	.090	3.65	3.14	239	70.8	2.55	86.3	60.5	239
1200	3.00	.085	3.20	2.76	177	62.3	2.32	79.8	56.0	177
1500	2.50	.106	2.58	2.43	2	51.8	3.39	54.2	49.4	2
SVA (THETA)										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	11.32	2.529	18.60	6.40	276	358.3	56.75	502.3	252.3	276
10	11.13	2.409	18.23	6.74	276	351.8	51.64	494.8	259.8	276
20	10.58	2.068	17.27	6.75	276	332.0	43.42	473.5	257.9	276
30	9.78	1.526	15.00	6.78	276	307.7	31.17	416.4	250.1	276
50	8.70	.934	11.89	6.85	276	274.9	20.94	330.4	217.8	276
75	8.09	.693	10.41	6.78	276	240.1	24.69	294.8	183.1	276
100	7.84	.530	10.20	6.71	275	202.7	22.19	283.3	162.9	275
125	7.63	.456	9.74	6.50	275	176.2	14.50	255.5	145.4	275
150	7.39	.395	9.00	6.22	275	160.3	9.30	198.8	139.3	275
175	7.15	.377	8.57	5.95	275	150.8	7.10	179.2	133.7	275
200	6.90	.374	8.11	5.73	275	144.4	5.99	169.1	129.4	275
225	6.64	.379	7.81	5.52	274	139.6	5.42	158.0	125.6	274
250	6.41	.364	7.64	5.40	274	135.5	5.05	152.3	121.7	274
300	5.99	.343	7.12	5.02	274	128.4	4.65	145.3	116.9	274
400	5.34	.286	6.56	4.57	265	116.8	4.19	134.8	105.9	265
500	4.86	.201	5.54	4.23	260	106.7	3.74	120.5	97.5	260
600	4.48	.154	5.00	4.09	254	97.5	3.29	109.2	89.6	254
700	4.18	.125	4.56	3.84	252	89.4	2.91	99.8	80.8	252
800	3.92	.111	4.42	3.59	249	82.3	2.66	90.9	73.3	249
900	3.67	.098	3.91	3.31	247	76.1	2.55	86.2	66.2	247
1000	3.44	.090	3.65	3.14	239	70.8	2.55	86.3	60.5	239
1200	3.00	.085	3.20	2.76	177	62.3	2.32	79.8	56.0	177
1500	2.50	.106	2.58	2.43	2	51.8	3.39	54.2	49.4	2

STATION MP04 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	276	.00	.000	.00	.00	276
10	.157	.0546	.500	.260	276	.02	.003	.03	.01	276
20	.701	.1000	.990	.520	276	.07	.010	.10	.05	276
30	1.022	1.307	1.440	.780	276	.15	.018	.21	.12	276
50	1.605	1.569	2.160	1.280	276	.39	.032	.50	.32	276
75	2.253	1.799	2.880	1.830	276	.80	.057	.97	.67	276
100	2.805	2.176	3.500	2.300	276	1.29	.105	1.53	1.06	275
125	3.282	2.486	4.030	2.720	275	1.84	.151	2.31	1.50	275
150	3.706	2.671	4.490	3.100	275	2.43	.187	3.10	2.00	275
175	4.101	2.785	4.910	3.450	275	.09	.213	.83	2.58	275
200	4.478	2.870	5.300	3.790	275	.81	.237	4.60	3.23	275
225	4.841	2.932	5.670	4.120	274	4.59	.260	5.43	3.93	274
250	5.193	2.993	6.030	4.440	274	5.44	.283	6.34	4.70	274
300	5.872	3.095	6.720	5.050	274	7.35	.333	8.44	6.44	274
400	7.149	3.316	8.010	6.220	265	11.88	.462	13.25	10.62	265
500	8.330	3.473	9.220	7.320	260	17.26	.610	19.00	15.50	260
600	9.410	3.691	10.450	8.350	254	23.31	.785	25.80	21.06	254
700	10.408	3.872	11.580	9.260	252	29.93	.963	33.19	27.32	252
800	11.337	4.028	12.340	10.130	249	37.03	1.123	40.14	34.04	249
900	12.202	4.139	13.160	10.950	247	44.56	1.310	47.87	41.21	247
1000	13.028	4.260	14.030	11.730	239	52.48	1.500	56.07	48.62	239
1200	14.530	4.704	15.610	13.160	177	69.31	1.958	75.98	64.65	177
1500	16.430	7.495	16.960	15.900	2	95.22	4.844	98.64	91.79	2

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.52	.417	7.61	5.80	39	1491	.8.8	1515	1473	276
10	6.53	.378	7.23	5.81	39	1491	.8.5	1514	1475	276
20	6.47	.333	7.10	5.81	39	1489	.7.3	1511	1475	276
30	6.36	.408	7.24	4.91	39	1486	.5.5	1504	1475	276
50	5.97	.901	6.83	5.65	39	1483	.3.2	1495	1476	276
75	5.30	.887	6.74	5.62	39	1482	.2.6	1490	1476	276
100	4.23	.559	5.86	5.28	39	1482	.2.0	1490	1478	275
125	3.60	.432	5.01	5.29	39	1482	.1.8	1489	1478	275
150	3.18	.424	4.45	5.58	39	1481	.1.5	1487	1477	275
175	2.94	.350	4.01	5.36	39	1481	.1.5	1486	1476	275
200	2.75	.343	3.50	2.62	39	1481	.1.5	1485	1476	275
225	2.62	.392	3.90	1.93	39	1480	.1.5	1485	1475	274
250	2.46	.369	3.34	1.73	39	1479	.1.4	1483	1475	274
300	1.99	.267	2.49	1.48	39	1478	.1.2	1483	1475	265
400	1.36	.197	1.88	1.01	39	1478	.9	1480	1475	260
500	.90	.191	1.68	.50	39	1478	.7	1480	1476	254
600	.61	.124	1.05	.41	39	1478	.6	1480	1477	252
700	.47	.096	.74	.33	39	1479	.5	1481	1478	249
800	.37	.099	.79	.22	39	1480	.5	1481	1478	247
900	.36	.088	.71	.21	39	1482	.4	1483	1481	239
1000	.38	.088	.64	.24	39	1485	.0	1485	1481	177
1200	.46	.089	.77	.25	30					
1500	n/a	n/a	n/a	n/a	0	1485	.0	1485	1485	2

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.028	.4256	14.930	11.726	239
10	12.667	.4168	13.585	11.461	239
20	12.320	.4102	13.196	11.136	239
30	11.998	.4012	12.809	10.842	239
50	11.414	.3787	12.244	10.342	239
75	10.765	.3468	11.599	9.810	239
100	10.211	.3124	10.959	9.363	239
125	9.733	.2884	10.511	8.961	239
150	9.307	.2726	10.081	8.591	239
175	8.912	.2599	9.663	8.244	239
200	8.535	.2485	9.254	7.909	239
225	8.172	.2381	8.855	7.583	239
250	7.819	.2282	8.461	7.263	239
300	7.139	.2102	7.712	6.604	239
400	5.869	.1738	6.300	5.382	239
500	4.698	.1398	5.043	4.276	239
600	3.618	.1075	5.896	3.259	239
700	2.617	.0786	2.852	2.337	239
800	1.686	.0521	1.887	1.492	239
900	.816	.0262	.949	.715	239
1000	.000	.0000	.000	.000	239
1200	-1.501	.0491	-1.375	-1.829	177
1500	-3.440	.1817	-3.311	-3.568	2

Table 13. Statistics of TEMPERATURE, SALINITY, SIGMA T, SVA, THETA, SVA (THETA), DELTA D, POT. ENERGY, OXYGEN, SOUND and DELTA DH at standard pressures, by month, for Station 3 (P04).

Table 13 :

STATION MP04 J A N U A R Y 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.75	.707	9.70	6.72	20	32.187	.4262	32.480	30.599	20	
10	8.79	.691	9.74	6.74	20	32.188	.4225	32.489	30.579	20	
20	8.83	.667	9.68	6.75	20	32.222	.3829	32.490	30.743	20	
30	8.88	.667	9.88	6.78	20	32.328	.1200	32.490	31.960	20	
50	8.77	.634	9.68	7.00	20	32.423	.1502	32.710	32.037	20	
75	8.42	.621	9.29	7.50	20	32.866	.3425	33.494	32.315	20	
100	8.01	.274	8.47	7.54	20	33.351	.2298	33.726	32.808	20	
125	7.84	.202	8.19	7.48	20	33.659	.1055	33.820	33.325	20	
150	7.62	.213	8.02	7.19	20	33.773	.0853	33.886	33.470	20	
175	7.47	.253	7.84	6.97	20	33.865	.0486	33.941	33.754	20	
200	7.28	.270	7.70	6.77	20	33.909	.0394	33.970	33.836	20	
225	7.08	.288	7.61	6.68	19	33.932	.0325	33.990	33.878	19	
250	6.81	.318	7.41	6.38	19	33.947	.0294	34.020	33.899	19	
300	6.41	.352	7.12	5.94	19	33.973	.0246	34.019	33.938	19	
400	5.65	.321	6.43	5.27	18	34.014	.0293	34.062	33.953	18	
500	5.04	.262	5.51	4.78	18	34.071	.0300	34.122	34.023	18	
600	4.62	.105	4.83	4.47	18	34.149	.0286	34.191	34.098	18	
700	4.32	.085	4.55	4.20	18	34.219	.0245	34.259	34.171	18	
800	4.07	.117	4.48	3.96	18	34.283	.0173	34.313	34.247	18	
900	3.81	.076	3.95	3.65	18	34.340	.0203	34.397	34.306	18	
1000	3.55	.056	3.64	3.43	16	34.385	.0298	34.477	34.352	16	
1200	3.11	.059	3.19	2.99	13	34.452	.0323	34.533	34.410	13	
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.978	.3379	25.348	23.749	20	298.8	.32.17	415.8	263.6	20	
10	24.972	.3329	25.353	23.731	20	299.5	.31.72	417.8	263.2	20	
20	24.993	.3088	25.360	23.841	20	297.6	.29.41	407.4	262.7	20	
30	25.069	.1368	25.372	24.819	20	290.6	.13.04	314.4	261.7	20	
50	25.160	.1529	25.444	24.862	20	282.3	.14.58	310.6	255.2	20	
75	25.559	.2863	25.980	25.092	20	244.7	.27.21	289.1	204.9	20	
100	26.001	.1845	26.246	25.573	20	203.1	.17.52	243.7	179.8	20	
125	26.266	.0933	26.434	25.985	20	178.3	.8.86	205.0	162.4	20	
150	26.389	.0707	26.512	26.182	20	167.0	.6.73	186.6	155.3	20	
175	26.482	.0638	26.580	26.343	20	158.6	.6.13	171.9	149.1	20	
200	26.543	.0575	26.628	26.432	20	153.1	.5.56	163.8	144.8	20	
225	26.589	.0549	26.671	26.486	19	149.0	.5.31	159.1	141.1	19	
250	26.637	.0544	26.719	26.526	19	144.7	.5.31	155.5	136.7	19	
300	26.711	.0542	26.792	26.589	19	138.2	.5.34	150.2	130.3	19	
400	26.839	.0539	26.904	26.698	18	126.8	.5.37	140.8	120.3	18	
500	26.956	.0394	27.006	26.871	18	116.2	.5.90	124.8	111.4	18	
600	27.067	.0256	27.108	27.017	18	106.4	.2.49	111.3	102.4	18	
700	27.155	.0195	27.193	27.120	18	98.6	.1.85	101.8	94.9	18	
800	27.231	.0167	27.264	27.202	18	91.9	.1.72	95.4	88.6	18	
900	27.304	.0162	27.334	27.276	18	85.4	.1.55	88.0	82.8	18	
1000	27.364	.0250	27.442	27.337	16	79.9	.2.37	82.6	72.6	16	
1200	27.460	.0258	27.526	27.421	13	71.2	.2.42	75.1	65.1	13	
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.75	.707	9.70	6.72	20	298.8	.32.17	415.8	263.6	20	
10	8.79	.691	9.74	6.74	20	299.3	.31.71	417.6	263.1	20	
20	8.83	.667	9.68	6.75	20	297.3	.29.41	407.1	262.4	20	
30	8.88	.667	9.88	6.78	20	290.1	.13.00	313.9	261.3	20	
50	8.76	.632	9.67	7.00	20	281.4	.14.53	309.7	254.4	20	
75	8.41	.621	9.28	7.49	20	243.4	.27.22	287.8	203.4	20	
100	8.00	.274	8.46	7.53	20	201.3	.17.53	242.0	178.0	20	
125	7.83	.201	8.18	7.47	20	176.1	.8.85	202.8	160.2	20	
150	7.60	.212	8.01	7.18	20	164.5	.6.71	184.1	152.8	20	
175	7.45	.251	7.83	6.96	20	155.6	.6.07	168.8	146.3	20	
200	7.26	.270	7.68	6.75	20	149.8	.5.46	160.3	141.7	20	
225	7.06	.287	7.59	6.66	19	145.3	.5.19	155.1	137.6	19	
250	6.79	.317	7.39	6.36	19	140.8	.5.14	151.3	133.0	19	
300	6.38	.351	7.09	5.91	19	133.8	.5.12	145.3	126.1	19	
400	5.61	.319	6.39	5.24	18	121.5	.5.09	134.8	115.4	18	
500	5.00	.200	5.47	4.74	18	110.4	.5.72	118.5	105.7	18	
600	4.57	.106	4.78	4.42	18	99.9	.2.45	104.6	96.0	18	
700	4.26	.085	4.50	4.14	18	91.4	.1.83	94.8	87.8	18	
800	4.01	.116	4.42	3.90	18	84.2	.1.58	86.9	81.1	18	
900	3.74	.077	3.89	3.58	18	77.2	.1.51	79.8	74.3	18	
1000	3.48	.055	3.56	3.36	16	71.5	.2.37	74.1	64.1	16	
1200	3.02	.057	3.10	2.90	13	62.3	.2.46	66.0	56.0	13	
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP04 J A N U A R Y 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	20	.00	.000	.00	.00	20
10	.301	.0329	.420	.260	20	.02	.005	.02	.01	20
20	.599	.0646	.840	.530	20	.06	.007	.09	.05	20
30	.893	.0805	1.180	.790	20	.14	.011	.17	.12	20
50	1.472	.1005	1.800	1.310	20	.37	.020	.43	.33	20
75	2.136	.1279	2.510	1.920	20	.79	.046	.88	.72	20
100	2.688	.1635	3.100	2.420	20	1.28	.088	1.46	1.15	20
125	3.537	.1851	3.610	2.880	20	1.83	.116	2.05	1.65	20
150	3.593	.1952	4.050	3.500	20	2.43	.133	2.69	2.23	20
175	3.999	.2005	4.460	3.700	20	3.10	.146	3.43	2.86	20
200	4.388	.2029	4.840	4.080	20	3.85	.158	4.22	3.57	20
225	4.773	.2064	5.210	4.460	19	4.67	.166	5.06	4.35	19
250	5.139	.2082	5.570	4.820	19	5.56	.182	5.97	5.19	19
300	5.846	.2096	6.250	5.510	19	7.54	.227	7.99	7.06	19
400	7.191	.2092	7.530	6.840	18	12.28	.375	12.99	11.54	18
500	8.404	.2256	8.750	8.000	18	17.84	.560	18.97	16.86	18
600	9.514	.2419	9.900	9.080	18	24.06	.724	25.55	22.90	18
700	10.537	.2510	10.950	10.110	18	30.84	.830	32.54	29.71	18
800	11.491	.2547	11.920	11.060	18	38.12	.898	39.97	36.96	18
900	12.377	.2549	12.830	11.940	18	45.80	.941	47.78	44.41	18
1000	13.208	.2706	13.580	12.770	16	53.82	1.029	55.77	52.23	16
1200	14.725	.2987	15.220	14.330	13	70.63	1.306	72.64	68.37	13
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.65	n/a	n/a	n/a	1	1482	2.8	1486	1474	20
10	6.65	n/a	n/a	n/a	1	1482	2.7	1486	1475	20
20	6.57	n/a	n/a	n/a	1	1483	2.6	1486	1475	20
30	6.55	n/a	n/a	n/a	1	1483	2.6	1487	1475	20
50	6.49	n/a	n/a	n/a	1	1483	2.5	1487	1476	20
75	4.96	n/a	n/a	n/a	1	1483	2.1	1486	1479	20
100	4.00	n/a	n/a	n/a	1	1482	1.1	1484	1480	20
125	3.47	n/a	n/a	n/a	1	1483	0.9	1484	1481	20
150	3.06	n/a	n/a	n/a	1	1482	1.0	1484	1481	20
175	2.71	n/a	n/a	n/a	1	1482	1.1	1484	1480	20
200	2.62	n/a	n/a	n/a	1	1482	1.1	1484	1480	20
225	2.52	n/a	n/a	n/a	1	1482	1.2	1484	1480	19
250	2.43	n/a	n/a	n/a	1	1481	1.1	1483	1479	19
300	2.13	n/a	n/a	n/a	1	1480	1.1	1483	1478	18
400	1.44	n/a	n/a	n/a	1	1479	1.1	1482	1477	18
500	1.30	n/a	n/a	n/a	1	1478	1.0	1480	1477	18
600	.68	n/a	n/a	n/a	1	1478	1.0	1479	1478	18
700	.74	n/a	n/a	n/a	1	1479	1.0	1480	1478	18
800	.79	n/a	n/a	n/a	1	1479	1.1	1481	1479	18
900	.71	n/a	n/a	n/a	1	1480	1.4	1481	1479	18
1000	.64	n/a	n/a	n/a	1	1481	1.5	1481	1480	16
1200	.47	n/a	n/a	n/a	1	1482	1.6	1482	1481	13
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.207	.2708	13.678	12.770	16
10	12.903	.2680	13.388	12.440	16
20	12.600	.2691	13.098	12.116	16
30	12.303	.2699	12.807	11.796	16
50	11.721	.2682	12.226	11.200	16
75	11.063	.2578	11.500	10.622	16
100	10.510	.2540	10.946	10.135	16
125	10.033	.2509	10.482	9.713	16
150	9.601	.2424	10.062	9.274	16
175	9.194	.2315	9.652	8.867	16
200	8.801	.2191	9.247	8.482	16
225	8.422	.2067	8.849	8.113	16
250	8.054	.1936	8.459	7.756	16
300	7.345	.1697	7.712	7.070	16
400	6.017	.1205	6.260	5.797	16
500	4.801	.0792	4.932	4.635	16
600	3.689	.0548	3.800	3.567	16
700	2.664	.0398	2.738	2.584	16
800	1.710	.0301	1.760	1.663	16
900	.824	.0186	.850	.773	16
1000	.000	.0000	.000	.000	16
1200	-1.507	.0503	-1.375	-1.560	13
1500	n/a	n/a	n/a	n/a	0

STATION MP04 FEBRUARY 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N
0	8.19	1.102	10.14	6.40	19
10	8.28	.945	10.14	6.85	19
20	8.30	.937	10.18	6.84	19
30	8.31	.927	10.15	6.84	19
50	8.31	.869	10.21	6.85	19
75	8.32	.833	10.28	6.89	19
100	8.12	.445	9.47	7.53	19
125	7.96	.462	8.94	7.10	19
150	7.72	.412	8.46	6.97	19
175	7.46	.414	8.21	6.69	19
200	7.22	.399	7.96	6.59	19
225	6.96	.390	7.56	6.32	19
250	6.71	.327	7.26	6.17	19
300	6.23	.275	6.67	5.66	19
400	5.51	.201	5.98	5.06	19
500	4.94	.173	5.18	4.60	19
600	4.57	.155	4.82	4.16	19
700	4.26	.123	4.43	3.94	18
800	4.03	.098	4.19	3.84	18
900	3.77	.081	3.93	3.59	17
1000	3.52	.068	3.67	3.42	16
1200	3.10	.079	3.18	2.91	12
1500	n/a	n/a	n/a	n/a	0

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N
0	32.130	.4422	32.560	31.340	19
10	32.211	.3485	32.560	31.464	19
20	32.266	.2807	32.570	31.820	19
30	32.315	.2427	32.570	31.820	19
50	32.471	.1868	32.870	32.070	19
75	32.725	.3231	33.350	32.326	19
100	33.210	.3295	33.667	32.582	19
125	33.588	.1544	33.821	32.320	19
150	33.744	.0967	33.899	32.565	19
175	33.839	.0564	33.936	32.722	19
200	33.891	.0451	33.964	33.774	19
225	33.925	.0349	33.994	32.872	19
250	33.946	.0288	34.000	32.890	19
300	33.970	.0346	34.039	32.890	19
400	34.020	.0267	34.060	33.970	19
500	34.079	.0230	34.111	34.026	19
600	34.156	.0280	34.205	34.108	19
700	34.225	.0240	34.265	34.179	18
800	34.290	.0291	34.332	34.236	18
900	34.341	.0280	34.385	34.297	17
1000	34.385	.0257	34.425	34.336	16
1200	34.441	.0248	34.484	34.404	12
1500	n/a	n/a	n/a	n/a	0

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N
0	25.013	.3056	25.466	24.483	19
10	25.065	.2362	25.376	24.620	19
20	25.106	.208	25.381	24.710	19
30	25.142	.1772	25.386	24.815	19
50	25.264	.1657	25.654	24.974	19
75	25.462	.2567	26.022	25.127	19
100	25.873	.2646	26.299	25.449	19
125	26.194	.1567	26.427	25.894	19
150	26.350	.1093	26.535	26.101	19
175	26.461	.0839	26.595	26.262	19
200	26.538	.0757	26.649	26.339	19
225	26.600	.0620	26.697	26.476	19
250	26.650	.0546	26.739	26.538	19
300	26.732	.0462	26.811	26.658	19
400	26.861	.0366	26.937	26.803	19
500	26.975	.0310	27.023	26.907	19
600	27.077	.0313	27.138	27.011	18
700	27.165	.0255	27.196	27.115	18
800	27.242	.0308	27.287	27.183	18
900	27.308	.0268	27.346	27.259	17
1000	27.368	.0233	27.398	27.314	16
1200	27.453	.0233	27.504	27.418	12
1500	n/a	n/a	n/a	n/a	0

SVA

PRESS	MEAN	S.D.	MAX	MIN	N
0	295.4	29.11	345.9	252.3	19
10	290.6	22.47	333.0	261.0	19
20	286.9	19.10	324.6	260.7	19
30	283.6	16.88	314.8	260.3	19
50	282.3	15.79	299.9	235.7	19
75	254.0	24.39	285.9	200.7	19
100	215.3	25.11	255.5	174.8	19
125	185.2	14.92	213.9	163.0	19
150	170.6	10.47	194.6	153.0	19
175	160.5	8.07	179.7	147.7	19
200	153.6	7.32	172.7	142.8	19
225	148.0	6.03	160.0	138.5	19
250	143.4	5.33	154.3	134.8	19
300	136.1	4.52	143.3	128.2	19
400	124.6	3.60	130.5	117.0	19
500	114.4	3.10	121.0	109.5	19
600	105.3	2.08	111.8	99.3	19
700	97.5	2.54	102.4	94.4	18
800	90.8	3.01	96.6	86.4	18
900	84.9	2.65	89.9	81.3	17
1000	79.6	2.26	84.9	76.8	16
1200	71.9	2.29	75.3	66.6	12
1500	n/a	n/a	n/a	n/a	0

THETA

PRESS	MEAN	S.D.	MAX	MIN	N
0	8.19	1.102	10.14	6.40	19
10	8.28	.945	10.14	6.85	19
20	8.29	.936	10.17	6.84	19
30	8.31	.927	10.15	6.84	19
50	8.31	.869	10.21	6.85	19
75	8.31	.833	10.27	6.88	19
100	8.11	.445	9.46	7.52	19
125	7.94	.462	8.93	6.95	19
150	7.71	.413	8.44	6.68	19
175	7.45	.412	8.19	6.68	19
200	7.20	.399	7.94	6.57	19
225	6.94	.390	7.54	6.30	19
250	6.69	.326	7.24	6.15	19
300	6.20	.273	6.64	5.64	19
400	5.48	.202	5.95	5.03	19
500	4.90	.172	5.14	4.56	19
600	4.52	.154	4.77	4.12	19
700	4.21	.122	4.37	3.89	18
800	3.97	.098	4.13	3.78	18
900	3.70	.081	3.86	3.52	17
1000	3.45	.069	3.60	3.35	16
1200	3.01	.078	3.09	2.82	12
1500	n/a	n/a	n/a	n/a	0

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N
0	295.4	29.11	345.9	252.3	19
10	290.5	22.47	332.8	260.9	19
20	286.6	19.10	324.2	260.4	19
30	283.1	16.87	314.2	259.9	19
50	271.4	15.76	299.1	234.4	19
75	252.6	24.39	284.4	199.4	19
100	213.5	25.13	253.8	173.1	19
125	183.0	14.87	211.5	160.9	19
150	168.2	10.37	191.7	150.6	19
175	157.6	7.93	176.4	144.9	19
200	150.3	7.16	169.1	139.7	19
225	144.4	5.86	156.1	135.2	19
250	139.6	5.17	150.2	131.2	19
300	131.8	4.37	138.8	124.3	19
400	119.5	3.44	124.9	112.3	19
500	108.7	2.94	115.1	104.1	19
600	98.9	2.94	105.1	93.1	19
700	90.5	2.41	95.2	87.5	18
800	83.2	2.90	88.7	78.9	18
900	76.8	2.54	81.5	73.2	17
1000	71.2	2.19	76.2	68.3	16
1200	63.0	2.19	66.3	58.2	12
1500	n/a	n/a	n/a	n/a	0

STATION MP04 FEBRUARY 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	19	.00	.00	.00	.00	19
10	.292	.0242	.340	.260	19	.02	.005	.02	.01	19
20	.582	.0443	.670	.520	19	.06	.005	.07	.05	19
30	.868	.0617	.990	.780	19	.13	.009	.15	.12	19
50	1.425	.0853	1.600	1.300	19	.36	.021	.40	.33	19
75	2.091	.1176	2.350	1.880	19	.78	.047	.87	.69	19
100	2.673	.1672	2.990	2.360	19	1.30	.098	1.45	1.11	19
125	3.169	.2027	3.540	2.790	19	1.87	.144	2.08	1.60	19
150	3.614	.2245	4.010	3.200	19	2.49	.179	2.75	2.15	19
175	4.027	.2361	4.430	3.590	19	3.18	.206	3.49	2.77	19
200	4.420	.2455	4.830	3.960	19	3.92	.232	4.30	3.46	19
225	4.796	.2523	5.200	4.330	19	4.74	.257	5.20	4.22	19
250	5.159	.2599	5.570	4.680	19	5.62	.281	6.14	5.05	19
300	5.856	.2691	6.260	5.340	19	7.57	.330	8.20	6.90	19
400	7.159	.2872	7.550	6.590	19	12.21	.443	13.04	11.33	19
500	8.353	.3051	8.730	7.740	19	17.68	.567	18.68	16.60	19
600	9.449	.3231	9.850	8.800	18	23.83	.715	25.08	22.47	19
700	10.463	.3544	10.900	9.780	18	30.51	.881	32.05	28.88	18
800	11.406	.3736	11.860	10.700	18	37.70	1.054	39.65	35.84	18
900	12.272	.3990	12.740	11.560	17	45.29	1.273	47.73	43.25	17
1000	13.102	.4250	13.590	12.360	16	53.25	1.490	56.06	51.05	16
1200	14.604	.5038	15.150	13.850	12	70.36	2.069	73.52	67.71	12
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.77	.247	6.94	6.59	2	1480	.46	1488	1473	19
10	6.53	.071	6.58	6.48	2	1481	.39	1488	1475	19
20	6.45	.028	6.47	6.43	2	1481	.39	1488	1475	19
30	6.40	.014	6.41	6.39	2	1481	.38	1488	1475	19
50	6.59	.177	6.72	6.47	2	1482	.34	1489	1476	19
75	6.57	.233	6.74	6.41	2	1482	.33	1490	1476	19
100	4.46	.106	4.54	4.39	2	1483	.17	1488	1480	19
125	3.78	.198	3.92	3.64	2	1483	.17	1486	1480	19
150	3.12	.035	3.14	3.09	2	1483	.14	1485	1480	19
175	2.91	.099	2.98	2.84	2	1482	.17	1485	1479	19
200	2.72	.177	2.85	2.60	2	1482	.15	1484	1479	19
225	2.58	.212	2.73	2.43	2	1481	.15	1483	1479	19
250	2.44	.247	2.62	2.27	2	1481	.13	1483	1478	19
300	2.06	.071	2.11	2.01	2	1480	.11	1481	1477	19
400	1.34	.078	1.40	1.29	2	1478	.8	1480	1477	19
500	.99	.141	1.09	.89	2	1478	.9	1479	1476	19
600	.63	.021	.64	.61	2	1478	.6	1479	1476	19
700	.47	.042	.50	.44	2	1478	.7	1479	1477	18
800	.39	.057	.43	.35	2	1479	.5	1480	1478	18
900	.38	.049	.42	.35	2	1480	.4	1480	1479	17
1000	.41	n/a	n/a	n/a	1	1480	.5	1481	1480	16
1200	.40	n/a	n/a	n/a	1	1482	.3	1482	1481	12
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.101	.4243	13.590	12.363	16
10	12.806	.4167	13.515	12.060	16
20	12.516	.4143	13.041	11.762	16
30	12.230	.4128	12.766	11.462	16
50	11.677	.4032	12.244	10.940	16
75	11.011	.3741	11.599	10.387	16
100	10.424	.3317	10.959	9.896	16
125	9.923	.2992	10.454	9.442	16
150	9.477	.2747	9.994	9.031	16
175	9.064	.2559	9.561	8.647	16
200	8.671	.2398	9.151	8.281	16
225	8.295	.2258	8.753	7.927	16
250	7.931	.2130	8.366	7.586	16
300	7.235	.1939	7.635	6.932	16
400	5.940	.1632	6.276	5.711	16
500	4.752	.1362	5.624	4.583	16
600	3.656	.1061	3.860	3.534	16
700	2.642	.0800	2.794	2.539	16
800	1.700	.0524	1.801	1.636	16
900	.821	.0245	.872	.789	16
1000	.000	.0000	.000	.000	16
1200	-1.514	.0496	-1.432	-1.600	12
1500	n/a	n/a	n/a	n/a	0

STATION MP04 MARCH 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.91	.972	10.72	7.22	21	31.870	.9447	32.636	29.704	21
10	8.86	.926	10.73	7.24	21	31.978	.7273	32.629	30.186	21
20	8.95	.837	10.73	7.26	21	32.242	.3063	32.630	31.584	21
30	8.95	.811	10.73	7.23	21	32.348	.2125	32.670	31.942	21
50	8.91	.859	10.66	7.20	21	32.468	.1639	32.820	32.151	21
75	8.90	.760	10.42	7.46	21	32.818	.3026	33.370	32.452	21
100	8.60	.653	10.21	7.60	21	33.313	.3136	33.700	32.690	21
125	8.21	.718	9.76	7.21	21	33.607	.2174	33.891	32.969	21
150	7.86	.542	9.01	7.08	21	33.790	.1101	34.017	33.530	21
175	7.57	.466	8.58	6.79	21	33.879	.0718	34.062	33.748	21
200	7.27	.415	8.13	6.47	21	33.927	.0520	34.088	33.830	21
225	6.99	.398	7.83	6.21	21	33.953	.0443	34.100	33.888	21
250	6.73	.403	7.63	5.97	21	33.971	.0417	34.120	33.918	21
300	6.25	.333	6.96	5.73	21	33.996	.0377	34.130	33.940	21
400	5.47	.236	5.77	4.86	21	34.038	.0395	34.159	33.974	21
500	4.88	.171	5.11	4.52	21	34.102	.0308	34.170	34.041	21
600	4.46	.126	4.70	4.22	20	34.170	.0314	34.228	34.123	20
700	4.18	.122	4.36	3.93	19	34.238	.0355	34.290	34.143	19
800	3.91	.113	4.10	3.68	19	34.300	.0424	34.350	34.165	19
900	3.66	.108	3.80	3.37	19	34.356	.0314	34.407	34.288	19
1000	3.44	.105	3.55	3.22	19	34.397	.0228	34.439	34.367	19
1200	3.04	.098	3.19	2.84	15	34.461	.0177	34.490	34.433	15
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.703	.6746	25.340	23.174	21	325.0	.64.31	470.8	264.4	21
10	24.795	.5270	25.388	23.532	21	316.3	.50.20	436.7	259.9	21
20	24.989	.2562	25.407	24.460	21	298.1	.24.40	348.5	258.3	21
30	25.072	.2007	25.448	24.742	21	290.3	.19.13	321.7	254.5	21
50	25.172	.2008	25.583	24.909	21	281.2	.19.15	306.3	242.0	21
75	25.448	.3402	26.095	25.018	21	255.4	.32.41	296.5	193.7	21
100	25.882	.3339	26.331	25.138	21	214.5	.31.81	285.5	171.7	21
125	26.168	.2512	26.465	25.430	21	187.7	.23.98	258.1	159.5	21
150	26.365	.1460	26.628	26.098	21	169.4	.13.98	195.1	144.3	21
175	26.477	.1113	26.702	26.232	21	159.1	.10.71	182.6	137.5	21
200	26.558	.0842	26.749	26.381	21	151.7	.8.13	168.8	133.4	21
225	26.618	.0753	26.798	26.456	21	146.3	.7.31	162.0	129.0	21
250	26.667	.0710	26.839	26.515	21	141.9	.6.90	156.7	125.4	21
300	26.749	.0546	26.889	26.640	21	134.5	.5.36	145.3	121.1	21
400	26.881	.0425	26.978	26.819	21	122.7	.4.15	128.8	113.5	21
500	27.000	.0377	27.071	26.952	21	112.0	.3.71	116.8	104.9	21
600	27.101	.0322	27.167	27.056	20	102.9	.3.15	107.3	96.4	20
700	27.184	.0329	27.247	27.109	19	95.6	.3.20	102.6	89.3	19
800	27.261	.0365	27.324	27.161	19	88.8	.3.51	98.0	82.4	19
900	27.331	.0299	27.399	27.281	19	82.5	.2.92	87.1	75.6	19
1000	27.386	.0228	27.433	27.350	19	77.7	.2.29	81.3	72.8	19
1200	27.473	.0194	27.501	27.437	15	69.9	.1.97	73.6	66.7	15
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

THETA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.91	.972	10.72	7.22	21	325.0	.64.31	470.8	264.4	21
10	8.86	.926	10.73	7.24	21	316.2	.50.21	436.6	259.8	21
20	8.95	.838	10.73	7.26	21	297.7	.24.38	348.1	257.9	21
30	8.95	.811	10.73	7.23	21	289.8	.19.11	321.1	254.0	21
50	8.91	.855	10.65	7.20	21	280.3	.19.08	305.3	241.2	21
75	8.89	.760	10.41	7.45	21	254.0	.32.32	294.8	192.5	21
100	8.59	.653	10.20	7.59	21	212.7	.31.71	283.3	170.0	21
125	8.29	.717	9.74	7.07	21	185.4	.23.85	255.5	157.2	21
150	7.85	.541	9.00	7.07	21	166.7	.13.85	192.0	141.8	21
175	7.55	.460	8.57	6.78	21	156.0	.10.55	179.2	134.7	21
200	7.25	.414	8.11	6.46	21	148.4	.7.98	165.1	130.2	21
225	6.96	.398	7.81	6.19	21	142.7	.7.13	158.0	125.6	21
250	6.71	.404	7.61	5.94	21	138.0	.6.69	152.3	121.7	21
300	6.22	.333	6.93	5.70	21	130.1	.5.16	140.5	116.9	21
400	5.43	.236	5.74	4.83	21	117.6	.4.02	123.5	108.4	21
500	4.84	.171	5.07	4.48	21	106.3	.3.56	110.8	99.5	21
600	4.41	.127	4.66	4.17	20	96.7	.3.05	100.9	90.4	20
700	4.13	.121	4.31	3.88	19	88.7	.3.13	95.8	82.7	19
800	3.85	.113	4.04	3.62	19	81.3	.2.46	90.9	75.4	19
900	3.59	.107	3.73	3.31	19	74.7	.2.82	79.4	68.3	19
1000	3.36	.106	3.48	3.14	19	69.5	.2.15	72.8	65.0	19
1200	2.96	.097	3.11	2.76	15	61.1	.1.80	64.5	58.5	15
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SVA (THETA)

STATION MP04 MARCH 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	21	.00	.00	.00	.00	21
10	.323	.0608	.460	.260	21	.02	.005	.02	.01	21
20	.691	.0947	.850	.520	21	.06	.008	.08	.05	21
30	.924	.1115	1.170	.780	21	.14	.012	.16	.12	21
50	1.497	.1422	1.800	1.280	21	.37	.027	.42	.32	21
75	2.176	.1854	2.510	1.830	21	.80	.064	.88	.67	21
100	2.760	.2504	3.110	2.300	21	1.33	.136	1.53	1.09	21
125	3.260	.3036	3.720	2.720	21	1.90	.209	2.31	1.57	21
150	3.705	.3431	4.290	3.100	21	2.52	.271	3.10	2.10	21
175	4.115	.3666	4.730	3.450	21	3.20	.315	3.83	3.68	21
200	4.505	.3876	5.140	3.790	21	3.94	.354	4.60	3.33	21
225	4.876	.4011	5.520	4.120	21	4.75	.389	5.43	4.04	21
250	5.235	.4139	5.880	4.440	21	5.62	.424	6.34	4.81	21
300	5.925	.4368	6.560	5.050	21	7.55	.496	8.44	6.54	21
400	7.210	.4716	7.840	6.220	21	12.12	.630	13.25	10.71	21
500	8.385	.4983	9.050	7.320	21	17.51	.764	18.80	15.72	21
600	9.478	.5185	10.120	8.330	20	23.55	.897	24.80	21.39	20
700	10.445	.5431	11.100	9.260	19	30.11	.1.090	31.29	27.58	19
800	11.368	.5631	12.000	10.130	19	37.16	.1.284	38.72	34.23	19
900	12.223	.5819	12.820	10.950	19	44.58	.1.514	46.73	41.31	19
1000	13.023	.5968	13.610	11.730	19	52.32	.1.700	54.65	48.80	19
1200	14.393	.6458	15.150	13.160	15	68.56	2.223	71.49	64.69	15
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.03	.452	7.61	6.61	5	1482	4.5	1490	1475	21
10	6.73	.220	7.06	6.51	5	1482	4.0	1490	1476	21
20	6.66	.137	6.85	6.49	5	1483	3.2	1490	1477	21
30	6.63	.087	6.73	6.50	5	1484	3.0	1490	1477	21
50	6.55	.178	6.83	6.34	5	1484	3.2	1490	1477	21
75	5.88	.514	6.36	5.21	5	1485	2.2	1490	1480	21
100	4.17	.183	4.35	3.88	5	1484	2.2	1490	1481	21
125	5.52	.185	3.81	3.31	5	1484	2.7	1489	1480	21
150	5.11	.167	3.45	2.90	5	1483	2.0	1487	1480	21
175	5.83	.172	3.11	2.68	5	1483	1.6	1486	1480	21
200	2.67	.161	2.92	2.49	5	1482	1.6	1485	1479	21
225	2.49	.162	2.76	2.33	5	1481	1.5	1485	1478	21
250	2.34	.176	2.61	2.18	5	1481	1.6	1484	1478	21
300	1.999	.206	2.32	1.80	5	1480	1.3	1482	1478	21
400	1.399	.160	1.60	1.25	5	1478	1.6	1479	1476	21
500	.91	.086	1.06	.85	5	1477	1.6	1478	1476	21
600	.67	.072	.75	.58	5	1477	1.6	1479	1477	20
700	.51	.081	.64	.43	5	1478	1.6	1479	1477	19
800	.40	.058	.47	.33	5	1479	1.5	1479	1478	19
900	.36	.052	.43	.31	5	1479	1.6	1480	1478	19
1000	.39	.088	.52	.31	5	1480	1.6	1481	1479	19
1200	.45	.015	.47	.44	4	1482	1.4	1482	1481	15
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.024	.5968	13.608	11.726	19
10	12.699	.5640	13.312	11.461	19
20	12.392	.5445	13.020	11.202	19
50	12.099	.5292	12.727	10.945	19
75	11.527	.5024	12.140	10.447	19
100	10.850	.4458	11.409	9.897	19
125	10.267	.3760	10.724	9.424	19
150	9.773	.3335	10.151	9.002	19
175	9.332	.3032	9.666	8.625	19
200	8.922	.2809	9.245	8.273	19
225	8.534	.2634	8.849	7.937	19
250	8.162	.2496	8.470	7.608	19
300	7.801	.2370	8.103	7.290	19
400	7.110	.2169	7.402	6.674	19
500	5.822	.1823	6.102	5.443	19
600	4.644	.1526	4.912	4.316	19
700	3.570	.1201	3.805	3.312	19
800	2.578	.0888	2.756	2.383	19
900	1.656	.0560	1.744	1.525	19
1000	.799	.0236	.835	.742	19
1200	-1.470	.0435	-1.400	-1.546	15
1500	n/a	n/a	n/a	n/a	0

STATION MP04 APRIL 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.76	.679	9.80	7.45	15	31.650	.5154	32.520	30.780	15
10	8.73	.691	9.74	7.39	15	31.671	.5046	32.520	30.886	15
20	8.69	.675	9.73	7.46	15	31.875	.3855	32.500	31.176	15
30	8.52	.644	9.80	7.36	15	32.103	.2991	32.510	31.351	15
50	8.24	.686	10.03	7.28	15	32.452	.1177	32.650	32.184	15
75	8.16	.669	9.92	7.35	15	32.802	.2692	33.280	32.499	15
100	7.98	.489	9.11	7.43	15	33.338	.2799	33.687	32.918	15
125	7.66	.327	8.49	7.27	15	33.620	.1719	33.807	33.282	15
150	7.37	.325	8.22	7.00	15	33.802	.0736	33.890	33.633	15
175	7.10	.296	7.91	6.73	15	33.887	.0442	33.950	33.801	15
200	6.86	.291	7.64	6.50	15	33.931	.0218	33.964	33.900	15
225	6.59	.281	7.26	6.19	15	33.951	.0544	33.993	33.914	15
250	6.37	.252	6.92	5.99	15	33.968	.0310	34.038	33.929	15
300	5.99	.228	6.47	5.71	15	33.998	.0349	34.086	33.953	15
400	5.32	.197	5.72	5.10	13	34.041	.0277	34.079	33.996	15
500	4.85	.158	5.17	4.64	13	34.108	.0297	34.154	34.048	15
600	4.48	.146	4.76	4.28	13	34.180	.0323	34.236	34.103	15
700	4.19	.130	4.42	3.99	13	34.252	.0269	34.305	34.200	15
800	3.93	.129	4.17	3.79	13	34.312	.0282	34.357	34.264	15
900	3.69	.110	3.90	3.57	13	34.363	.0229	34.399	34.325	15
1000	3.48	.101	3.66	3.35	12	34.403	.0207	34.442	34.372	12
1200	3.08	.072	3.18	2.97	9	34.464	.0120	34.485	34.448	9
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.557	.3926	25.319	23.956	15	338.9	.3740	396.1	266.3	15
10	24.579	.3819	25.319	24.069	15	336.9	.3637	385.5	266.5	15
20	24.745	.3359	25.310	24.111	15	321.3	.3200	381.7	267.4	15
30	24.947	.2728	25.366	24.267	15	302.1	.2598	366.9	262.2	15
50	25.262	.1206	25.457	25.018	15	272.5	.1151	295.9	253.9	15
75	25.547	.2497	25.913	25.038	15	245.8	.2378	294.5	211.0	15
100	25.994	.2591	26.308	25.495	15	203.8	.2465	251.3	173.9	15
125	26.263	.1491	26.445	26.005	15	178.6	.1416	203.0	161.2	15
150	26.447	.0768	26.555	26.305	15	161.5	.732	174.9	151.2	15
175	26.550	.0546	26.627	26.455	15	152.0	.525	161.3	144.5	15
200	26.618	.0428	26.687	26.530	15	145.8	.415	154.5	139.2	15
225	26.670	.0409	26.721	26.578	15	141.2	.597	150.2	136.2	15
250	26.712	.0368	26.761	26.639	15	137.4	.358	144.6	132.7	15
300	26.785	.0365	26.842	26.725	15	130.9	.355	136.9	125.7	15
400	26.901	.0259	26.952	26.868	15	120.7	.554	124.1	115.7	15
500	27.008	.0321	27.068	26.936	13	111.1	.517	118.2	105.2	13
600	27.106	.0357	27.163	27.014	13	102.4	.53	111.5	96.9	13
700	27.194	.0283	27.242	27.134	13	94.8	.881	100.6	90.1	13
800	27.268	.0288	27.311	27.210	13	88.8	.988	94.0	83.9	13
900	27.333	.0255	27.374	27.283	13	82.4	.259	87.6	78.3	13
1000	27.385	.0239	27.430	27.347	12	77.8	.241	81.7	73.4	12
1200	27.473	.0134	27.495	27.451	9	70.0	1.39	72.3	67.8	9
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

THETA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.76	.679	9.80	7.45	15	338.9	.3740	396.1	266.3	15
10	8.73	.691	9.74	7.39	15	336.8	.3639	385.4	266.3	15
20	8.69	.673	9.72	7.46	15	321.0	.3198	381.3	267.1	15
30	8.52	.644	9.80	7.36	15	301.7	.2597	366.4	261.8	15
50	8.24	.684	10.02	7.28	15	271.6	.1149	294.9	253.1	15
75	8.15	.668	9.91	7.35	15	244.5	.2375	292.9	209.7	15
100	7.97	.489	9.10	7.42	15	202.0	.2461	249.4	172.2	15
125	7.65	.328	8.48	7.25	15	176.5	.1416	201.0	159.7	15
150	7.36	.325	8.21	6.99	15	159.0	.728	172.4	148.7	15
175	7.08	.296	7.89	6.72	15	149.1	.516	158.1	141.8	15
200	6.84	.290	7.62	6.48	15	142.7	.404	151.0	136.2	15
225	6.57	.281	7.24	6.17	15	137.7	.486	146.4	132.9	15
250	6.35	.251	6.90	5.97	15	133.7	.348	140.6	129.0	15
300	5.96	.227	6.44	5.69	15	126.7	.344	132.4	121.4	15
400	5.29	.197	5.69	5.07	15	115.7	.42	118.0	110.9	15
500	4.81	.158	5.13	4.60	13	105.4	.04	112.3	99.8	13
600	4.43	.147	4.72	4.23	13	96.1	.339	104.9	90.7	13
700	4.14	.126	4.36	3.94	13	87.8	.267	93.4	83.2	13
800	3.87	.128	4.10	3.73	13	80.7	.274	86.2	76.6	13
900	3.63	.109	3.83	3.50	12	74.5	.241	79.2	70.6	12
1000	3.41	.100	3.59	3.28	12	69.5	.1.25	73.1	65.3	12
1200	2.99	.071	3.09	2.88	9	61.1	1.25	63.2	59.1	9
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SVA (THETA)

STATION MP04 A P R I L 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	15	.00	.00	.00	.00	15
10	.339	.0369	.400	.270	15	.02	.004	.02	.01	15
20	.671	.0707	.770	.540	15	.07	.009	.08	.06	15
30	.983	.0933	1.130	.800	15	.15	.014	.17	.12	15
50	1.554	.1061	1.730	1.330	15	.38	.019	.41	.34	15
75	2.211	.1253	2.410	1.970	15	.80	.041	.89	.74	15
100	2.766	.1759	3.060	2.450	15	1.29	.093	1.49	1.17	15
125	3.241	.2134	3.620	2.910	15	1.84	.143	2.13	1.66	15
150	3.665	.2284	4.080	3.340	15	2.43	.172	2.78	2.22	15
175	4.057	.2361	4.500	3.740	15	3.08	.189	3.46	2.85	15
200	4.428	.2379	4.880	4.110	15	3.79	.204	4.20	3.54	15
225	4.786	.2397	5.240	4.460	15	4.56	.211	4.98	4.30	15
250	5.134	.2433	5.600	4.800	15	5.40	.223	5.84	5.12	15
300	5.803	.2461	6.280	5.460	15	7.28	.247	7.76	6.95	15
400	7.078	.2619	7.560	6.700	15	11.78	.330	12.31	11.27	15
500	8.235	.2799	8.740	7.840	15	17.09	.434	17.71	16.32	15
600	9.302	.2977	9.820	8.880	15	23.07	.597	23.95	21.98	15
700	10.288	.3159	10.820	9.830	15	29.59	.774	30.94	28.17	15
800	11.201	.3348	11.760	10.740	15	36.58	.961	38.37	34.86	15
900	12.054	.3522	12.630	11.590	15	43.96	1.187	46.23	41.92	15
1000	12.871	.3807	13.450	12.380	12	51.79	1.439	54.42	49.42	12
1200	14.214	.3383	14.710	13.850	9	67.82	1.577	70.15	65.61	9
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.00	n/a	n/a	n/a	1	1482	2.9	1485	1476	15
10	7.02	n/a	n/a	n/a	1	1482	2.9	1486	1476	15
20	6.73	n/a	n/a	n/a	1	1482	2.6	1486	1477	15
30	6.38	n/a	n/a	n/a	1	1482	2.3	1486	1477	15
50	6.48	n/a	n/a	n/a	1	1481	2.7	1488	1477	15
75	5.95	n/a	n/a	n/a	1	1482	2.3	1488	1479	15
100	4.76	n/a	n/a	n/a	1	1482	1.8	1486	1480	15
125	3.80	n/a	n/a	n/a	1	1482	1.1	1485	1481	15
150	3.76	n/a	n/a	n/a	1	1481	1.4	1485	1480	15
175	2.88	n/a	n/a	n/a	1	1481	1.2	1484	1479	15
200	2.82	n/a	n/a	n/a	1	1480	1.1	1483	1479	15
225	2.66	n/a	n/a	n/a	1	1480	1.0	1482	1478	15
250	2.51	n/a	n/a	n/a	1	1479	1.0	1481	1478	15
300	2.11	n/a	n/a	n/a	1	1479	1.0	1481	1477	15
400	1.40	n/a	n/a	n/a	1	1478	.9	1479	1477	15
500	.78	n/a	n/a	n/a	1	1477	.6	1479	1477	15
600	.52	n/a	n/a	n/a	1	1477	.6	1479	1477	15
700	.44	n/a	n/a	n/a	1	1478	.6	1479	1477	15
800	.38	n/a	n/a	n/a	1	1479	.8	1480	1478	15
900	.33	n/a	n/a	n/a	1	1479	.4	1480	1479	15
1000	.29	n/a	n/a	n/a	1	1480	.5	1481	1480	12
1200	.46	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.872	.3809	13.453	12.384	12
10	12.530	.3670	13.109	12.061	12
20	12.197	.3584	12.772	11.688	12
30	11.884	.3506	12.439	11.364	12
50	11.314	.3388	11.810	10.793	12
75	10.651	.3153	11.096	10.121	12
100	10.091	.2807	10.500	9.593	12
125	9.615	.2524	9.986	9.166	12
150	9.193	.2361	9.551	8.774	12
175	8.803	.2246	9.158	8.403	12
200	8.432	.2153	8.787	8.045	12
225	8.072	.2087	8.430	7.694	12
250	7.725	.2028	8.086	7.357	12
300	7.048	.1931	7.421	6.709	12
400	5.787	.1698	6.154	5.514	12
500	4.626	.1447	4.945	4.411	12
600	3.556	.1092	3.782	3.401	12
700	2.571	.0812	2.726	2.445	12
800	1.654	.0540	1.754	1.566	12
900	.801	.0255	.847	.759	12
1000	.000	.0000	.000	.000	12
1200	-1.468	.0352	-1.404	-1.525	9
1500	n/a	n/a	n/a	n/a	0

STATION MP04 M A Y 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N
0	10.53	1.041	12.70	9.01	50
10	10.22	.963	12.53	7.99	50
20	9.70	1.035	11.72	7.76	50
30	9.04	.886	10.79	7.63	50
50	8.27	.716	9.86	7.27	50
75	7.96	.605	9.48	6.86	50
100	7.83	.511	9.35	6.86	50
125	7.62	.478	9.43	6.82	50
150	7.38	.395	8.85	6.55	50
175	7.09	.351	8.27	6.28	50
200	6.80	.313	7.73	6.10	50
225	6.52	.297	7.27	5.85	50
250	6.27	.261	6.86	5.61	50
300	5.84	.273	6.43	5.20	50
400	5.21	.221	5.61	4.68	48
500	4.77	.176	5.05	4.23	44
600	4.42	.148	4.74	4.09	43
700	4.14	.116	4.41	3.84	43
800	3.89	.104	4.09	3.59	43
900	3.65	.107	3.84	3.38	43
1000	3.42	.103	3.60	3.19	42
1200	2.99	.092	3.16	2.83	32
1500	n/a	n/a	n/a	n/a	0

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N
0	31.789	.4403	32.330	30.650	50
10	31.853	.3684	32.343	30.850	50
20	32.077	.2431	32.410	31.350	50
30	32.279	.2009	32.610	31.720	50
50	32.505	.1207	32.812	32.201	50
75	32.872	.3077	33.535	32.424	50
100	32.872	.2649	33.705	32.632	50
125	33.664	.1447	33.864	33.212	50
150	33.815	.0803	33.966	33.551	50
175	33.889	.0533	34.014	33.684	50
200	33.928	.0371	34.040	33.824	50
225	33.946	.0313	34.040	33.881	50
250	33.958	.0309	34.040	33.880	50
300	34.989	.0266	34.060	33.931	50
400	34.222	.0251	34.124	34.003	48
500	34.176	.0263	34.161	34.053	44
600	34.148	.0261	34.226	34.118	43
700	34.19	.0256	34.292	34.195	43
800	34.105	.0219	34.354	34.263	43
900	34.72	.0206	34.401	34.313	43
1000	34.49	.0210	34.458	34.361	42
1200	34.08	.0175	34.487	34.419	32
1500	n/a	n/a	n/a	n/a	0

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N
0	24.379	.4329	25.019	23.388	50
10	24.481	.3467	25.021	23.733	50
20	24.740	.2682	25.256	24.197	50
30	25.004	.2168	25.328	24.419	50
50	25.297	.1539	25.547	24.836	50
75	25.631	.2692	26.112	25.099	50
100	26.042	.2296	26.379	25.237	50
125	26.299	.1545	26.518	25.670	50
150	26.452	.1032	26.609	26.027	50
175	26.551	.0705	26.669	26.300	50
200	26.620	.0520	26.711	26.444	50
225	26.672	.0428	26.759	26.543	50
250	26.714	.0378	26.803	26.628	50
300	26.792	.0362	26.881	26.701	50
400	26.914	.0343	26.991	26.835	48
500	27.017	.0306	27.077	26.945	44
600	27.110	.0284	27.167	27.048	43
700	27.192	.0268	27.243	27.134	43
800	27.264	.0238	27.312	27.216	43
900	27.326	.0229	27.368	27.272	43
1000	27.381	.0219	27.429	27.340	42
1200	27.466	.0185	27.492	27.433	32
1500	n/a	n/a	n/a	n/a	0

SVA

PRESS	MEAN	S.D.	MAX	MIN	N
0	355.8	41.26	450.4	294.9	50
10	346.2	33.04	417.5	294.8	50
20	321.8	25.56	373.5	272.6	50
30	296.8	20.67	352.5	265.9	50
50	269.1	14.70	313.2	245.4	50
75	237.8	25.60	288.6	192.2	50
100	199.2	21.82	275.9	167.0	50
125	175.1	14.72	235.2	154.2	50
150	160.9	9.88	201.7	145.8	50
175	151.9	6.78	176.1	140.4	50
200	145.6	5.04	162.7	136.9	50
225	140.9	4.16	153.5	132.4	50
250	137.1	3.68	145.6	128.3	50
300	130.1	3.58	139.2	121.4	50
400	119.4	3.40	127.1	111.6	48
500	110.2	3.03	117.3	104.1	44
600	102.1	2.81	108.1	96.3	43
700	94.9	2.66	100.5	89.7	43
800	88.6	2.38	93.3	83.9	43
900	83.1	2.32	88.6	78.8	43
1000	78.2	2.23	82.5	73.7	42
1200	70.6	1.91	74.1	68.0	32
1500	n/a	n/a	n/a	n/a	0

THETA

PRESS	MEAN	S.D.	MAX	MIN	N
0	10.53	1.041	12.70	9.01	50
10	10.22	.963	12.53	7.99	50
20	9.70	1.035	11.72	7.76	50
30	9.04	.886	10.79	7.63	50
50	8.27	.716	9.86	7.27	50
75	7.96	.605	9.48	6.86	50
100	7.83	.511	9.35	6.86	50
125	7.62	.478	9.43	6.82	50
150	7.38	.395	8.85	6.55	50
175	7.09	.351	8.27	6.28	50
200	6.80	.313	7.73	6.10	50
225	6.52	.297	7.27	5.85	50
250	6.27	.261	6.86	5.61	50
300	5.84	.273	6.43	5.20	50
400	5.21	.221	5.61	4.68	48
500	4.77	.176	5.05	4.23	44
600	4.42	.148	4.74	4.09	43
700	4.14	.116	4.41	3.84	43
800	3.89	.104	4.09	3.59	43
900	3.65	.107	3.84	3.38	43
1000	3.42	.103	3.60	3.19	42
1200	2.99	.092	3.16	2.83	32
1500	n/a	n/a	n/a	n/a	0

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N
0	355.8	41.26	450.4	294.9	50
10	346.1	33.05	417.4	294.6	50
20	321.4	25.54	373.1	272.3	50
30	296.3	20.64	351.9	265.4	50
50	268.3	14.63	312.2	244.6	50
75	236.6	25.59	287.2	190.8	50
100	197.5	21.81	274.6	165.4	50
125	173.0	14.65	232.7	152.3	50
150	158.4	9.79	198.8	143.5	50
175	149.0	6.67	172.8	137.9	50
200	142.4	4.93	159.2	133.9	50
225	137.5	4.04	149.7	129.3	50
250	133.5	3.57	141.7	125.1	50
300	126.1	3.43	134.7	117.7	50
400	114.5	3.23	121.9	107.2	48
500	104.6	2.89	111.4	99.0	44
600	95.8	2.68	101.7	90.4	43
700	87.9	2.53	93.4	83.1	43
800	81.1	2.25	85.6	76.5	43
900	75.1	2.16	80.3	71.2	43
1000	69.9	2.08	73.8	65.3	42
1200	61.8	1.74	64.9	59.3	32
1500	n/a	n/a	n/a	n/a	0

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DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.000	.000	.000	50	.00	.000	.00	.00	50	
10	.353	.073	.430	.290	50	.02	.000	.02	.02	50	
20	.690	.0616	.830	.590	50	.07	.007	.08	.06	50	
30	.999	.0760	1.170	.880	50	.15	.010	.17	.13	50	
50	1.562	.0929	1.770	1.400	50	.38	.020	.43	.34	50	
75	2.199	.1247	2.470	1.990	50	.78	.047	.90	.71	50	
100	2.741	.1718	3.090	2.460	50	1.26	.098	1.49	1.12	50	
125	3.207	.2083	3.720	2.860	50	1.60	.146	2.23	1.58	50	
150	3.625	.2332	4.270	3.240	50	2.38	.184	2.99	2.11	50	
175	4.016	.2507	4.740	3.90	50	3.03	.214	3.77	2.70	50	
200	4.387	.2624	5.160	3.940	50	3.74	.238	4.59	3.36	50	
225	4.744	.2709	5.550	4.280	50	4.51	.257	5.43	4.09	50	
250	5.091	.2788	5.930	4.600	50	5.35	.276	6.33	4.88	50	
300	5.759	.2901	6.620	5.230	50	7.23	.312	8.29	6.63	50	
400	7.004	.3164	7.920	6.390	48	11.66	.407	12.92	10.78	48	
500	8.191	.3163	9.120	7.710	44	16.97	.496	18.43	16.18	44	
600	9.247	.3343	10.220	8.740	43	22.91	.628	24.56	21.80	43	
700	10.231	.3480	11.230	9.710	43	29.43	.779	31.27	27.95	43	
800	11.148	.3597	12.160	10.610	43	36.43	.938	38.40	34.57	43	
900	12.006	.3709	13.030	11.450	43	43.86	1.108	46.15	41.65	43	
1000	12.823	.3787	13.840	12.250	42	51.70	1.291	54.43	49.16	42	
1200	14.348	.4250	15.320	13.700	32	68.44	1.758	71.77	65.23	32	
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	6.76	.228	6.99	6.41	7	1488	3.6	1496	1483	50	
10	6.91	.254	7.23	6.44	7	1487	3.8	1495	1479	50	
20	6.75	.306	7.06	6.18	7	1486	3.8	1493	1479	50	
30	6.65	.314	6.88	6.05	7	1484	3.8	1491	1479	50	
50	6.18	.783	6.81	4.51	7	1482	2.4	1488	1478	50	
75	5.28	.816	6.27	4.24	7	1481	2.4	1487	1477	50	
100	4.16	.884	5.86	3.45	7	1482	2.1	1487	1478	50	
125	5.55	.562	4.37	2.97	7	1482	1.8	1488	1479	50	
150	5.07	.338	3.52	2.67	7	1481	1.6	1487	1478	50	
175	2.84	.288	3.22	2.48	7	1481	1.3	1485	1478	50	
200	2.75	.383	3.43	2.33	7	1480	1.3	1484	1477	50	
225	2.58	.440	3.39	2.13	7	1480	1.2	1482	1477	50	
250	2.40	.423	3.12	1.94	7	1479	1.1	1481	1476	50	
300	1.86	.215	2.09	1.48	7	1478	1.2	1480	1475	50	
400	1.24	.139	1.37	1.02	7	1477	0.8	1479	1475	48	
500	.81	.077	.90	.69	7	1477	0.8	1478	1475	44	
600	.56	.087	.69	.46	7	1477	0.8	1479	1476	43	
700	.43	.047	.49	.36	7	1478	0.5	1479	1477	43	
800	.34	.035	.39	.29	7	1479	0.5	1480	1478	43	
900	.36	.047	.43	.30	7	1480	0.6	1480	1478	42	
1000	.38	.061	.48	.31	7	1482	0.4	1483	1481	42	
1200	.49	.057	.54	.39	7	n/a	n/a	n/a	n/a	0	
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

DELTA DH					
PRESS	MEAN	S.D.	MAX	MIN	N
0	12.824	.3778	13.835	12.250	42
10	12.463	.3653	13.469	11.908	42
20	12.122	.3547	13.112	11.553	42
30	11.810	.3467	12.783	11.250	42
50	11.248	.3302	12.181	10.721	42
75	10.609	.3024	11.451	10.076	42
100	10.061	.2697	10.756	9.551	42
125	9.591	.2456	10.115	9.102	42
150	9.170	.2300	9.624	8.707	42
175	8.777	.2198	9.232	8.336	42
200	8.404	.2110	8.851	7.988	42
225	8.045	.2033	8.480	7.644	42
250	7.697	.1962	8.119	7.313	42
300	7.026	.1821	7.421	6.680	42
400	5.777	.1511	6.111	5.482	42
500	4.628	.1220	4.898	4.391	42
600	3.566	.0956	3.772	3.388	42
700	2.582	.0698	2.736	2.459	42
800	1.665	.0452	1.767	1.577	42
900	.807	.0223	.855	.760	42
1000	.000	.0000	.000	.000	42
1200	-1.486	.0408	-1.429	-1.566	32
1500	n/a	n/a	n/a	n/a	0

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PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.51	1.591	14.66	8.81	19	31.697	.3657	32.200	31.122	19
10	12.19	1.577	14.39	8.81	19	31.721	.3450	32.240	31.189	19
20	11.24	1.530	12.98	7.80	19	31.899	.2811	32.510	31.467	19
30	9.95	1.488	12.95	7.51	19	32.157	.2427	32.660	31.753	19
40	8.43	.833	9.82	7.08	19	32.478	.1705	32.910	32.260	19
50	7.67	.627	8.98	6.92	19	32.829	.2290	33.160	32.431	19
75	7.49	.422	8.47	6.88	19	33.330	.1898	33.634	32.994	19
100	7.34	.297	7.93	6.63	19	33.646	.1122	33.796	33.464	19
125	7.09	.215	7.52	6.60	19	33.802	.0734	33.945	33.623	19
150	6.88	.192	7.21	6.52	19	33.879	.0507	33.970	33.743	19
175	6.61	.177	6.86	6.29	19	33.918	.0358	33.987	33.847	19
200	6.33	.181	6.66	6.08	19	33.936	.0323	33.999	33.867	19
225	6.11	.194	6.49	5.85	19	33.955	.0326	34.009	33.878	19
250	5.72	.188	6.09	5.48	19	33.981	.0372	34.043	33.909	19
300	5.10	.139	5.30	4.89	18	34.045	.0200	34.078	34.014	18
400	4.75	.159	4.94	4.54	18	34.115	.0193	34.154	34.085	18
500	4.44	.158	4.70	4.22	17	34.187	.0219	34.238	34.158	17
600	4.18	.134	4.45	4.00	17	34.250	.0235	34.300	34.210	17
700	3.96	.122	4.20	3.76	17	34.305	.0221	34.348	34.269	17
800	3.74	.110	3.97	3.58	17	34.355	.0184	34.398	34.337	17
900	3.53	.091	3.70	3.40	16	34.391	.0168	34.438	34.365	16
1000	3.11	.126	3.29	2.92	9	34.456	.0148	34.490	34.442	9
1200	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	SIGMA T					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	23.946	.5413	24.943	23.085	19	397.1	51.62	479.3	302.1	19
10	24.025	.5274	24.966	23.192	19	389.8	50.31	469.3	300.1	19
20	24.336	.4543	25.344	23.720	19	360.3	43.32	419.1	264.2	19
30	24.758	.4193	25.489	24.019	19	320.5	40.00	390.8	250.6	19
50	25.252	.2347	25.644	24.868	19	273.5	22.38	310.1	236.2	19
75	25.640	.2386	25.961	25.136	19	236.6	22.73	285.0	206.3	19
100	26.058	.1764	26.365	25.653	19	197.5	16.77	236.2	168.4	19
125	26.328	.1082	26.493	26.127	19	172.8	9.52	191.5	156.7	19
150	26.485	.0646	26.608	26.320	19	157.8	6.16	173.5	146.1	19
175	26.575	.0470	26.667	26.442	19	149.5	4.49	162.2	140.8	19
200	26.641	.0315	26.795	26.571	19	143.5	3.01	150.2	137.5	19
225	26.693	.0259	26.751	26.650	19	138.8	2.48	143.1	133.3	19
250	26.735	.0260	26.787	26.686	19	135.1	2.52	140.0	130.1	19
300	26.806	.0245	26.854	26.771	19	128.8	2.36	131.9	124.2	19
400	26.929	.0162	26.961	26.898	18	117.8	1.61	120.8	114.6	18
500	27.025	.0174	27.059	26.996	18	109.4	1.76	112.3	106.2	18
600	27.116	.0252	27.162	27.064	17	101.5	2.50	106.7	97.1	17
700	27.194	.0243	27.236	27.136	17	94.7	2.42	100.5	90.8	17
800	27.261	.0239	27.299	27.208	17	88.9	2.37	94.3	85.3	17
900	27.322	.0197	27.363	27.291	17	83.6	2.01	86.9	79.6	17
1000	27.371	.0164	27.408	27.337	16	79.3	1.68	82.8	75.9	16
1200	27.463	.0144	27.490	27.448	9	71.0	1.57	72.9	67.9	9
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.51	1.591	14.66	8.81	19	397.1	51.62	479.3	302.1	19
10	12.19	1.577	14.39	8.81	19	389.6	50.29	469.0	299.9	19
20	11.23	1.530	12.98	7.80	19	359.8	43.27	418.6	263.9	19
30	9.95	1.488	12.95	7.51	19	319.7	39.91	390.0	250.1	19
50	8.43	.829	9.81	7.08	19	272.6	22.30	309.1	235.3	19
75	7.66	.626	8.97	6.92	19	235.7	22.67	283.6	205.2	19
100	7.48	.421	8.46	6.87	19	195.9	16.74	234.4	166.8	19
125	7.32	.297	7.92	6.62	19	170.2	9.49	189.3	154.7	19
150	7.08	.216	7.51	6.59	19	155.4	6.14	171.0	143.6	19
175	6.86	.189	7.20	6.51	19	146.8	4.47	159.4	138.1	19
200	6.59	.175	6.84	6.27	19	140.5	2.97	147.1	134.5	19
225	6.31	.181	6.64	6.06	19	135.5	2.44	139.6	130.0	19
250	6.09	.194	6.47	5.83	19	131.0	2.46	136.2	126.6	19
300	5.69	.188	6.07	5.45	19	124.8	2.32	128.1	120.3	19
400	5.07	.140	5.27	4.86	18	113.0	1.54	116.0	110.0	18
500	4.71	.139	4.90	4.50	18	103.9	1.65	106.6	100.7	18
600	4.39	.138	4.65	4.17	17	95.2	2.36	100.1	90.9	17
700	4.13	.133	4.40	3.95	17	87.8	2.31	93.2	83.8	17
800	3.90	.121	4.13	3.70	17	81.4	2.23	86.4	77.8	17
900	3.67	.110	3.91	3.51	17	75.5	1.88	78.5	71.6	17
1000	3.46	.090	3.62	3.33	16	70.8	1.56	74.0	67.3	16
1200	3.03	.127	3.20	2.83	9	62.1	1.32	63.4	59.5	9
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

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PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	19	.00	.000	.00	.00	19
10	.395	.0517	.470	.300	19	.02	.000	.02	.02	19
20	.773	.0943	.920	.600	19	.08	.009	.09	.06	19
30	1.114	.1276	1.290	.850	19	.16	.019	.19	.12	19
50	1.704	.1773	1.910	1.350	19	.40	.040	.46	.33	19
75	2.344	.2171	2.620	1.920	19	.81	.071	.93	.69	19
100	2.883	.2529	2.920	2.400	19	1.29	.109	1.52	1.12	19
125	3.342	.2748	3.820	2.810	19	1.82	.140	2.12	1.59	19
150	3.754	.2870	4.260	1.190	19	2.39	.163	2.74	2.12	19
175	4.137	.2973	4.660	.550	19	3.03	.181	3.40	2.72	19
200	4.504	.3026	5.030	4.900	19	3.73	.196	4.11	3.38	19
225	4.856	.3059	5.380	4.240	19	4.49	.205	4.89	4.12	19
250	5.198	.3071	5.520	4.570	19	5.32	.212	5.71	4.91	19
300	5.857	.3078	6.380	5.200	19	7.16	.218	7.55	6.69	19
400	7.108	.3016	7.620	6.400	18	11.55	.248	11.97	10.97	18
500	8.246	.3116	8.780	7.510	18	16.75	.308	17.25	16.05	18
600	9.291	.3331	9.850	8.530	17	22.64	.420	23.28	21.75	17
700	10.269	.3467	10.850	9.480	17	29.13	.557	29.90	28.01	17
800	11.187	.3622	11.770	10.350	17	36.13	.720	37.24	34.72	17
900	12.049	.3769	12.660	11.180	17	43.60	.894	45.04	41.87	17
1000	12.917	.3244	13.490	12.230	16	51.60	.960	53.20	49.60	16
1200	14.428	.3420	14.840	13.680	9	68.21	1.339	70.14	65.90	9
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.49	n/a	n/a	n/a	1	1495	5.3	1502	1482	19
10	6.71	n/a	n/a	n/a	1	1494	5.2	1501	1483	19
20	7.16	n/a	n/a	n/a	1	1491	5.2	1497	1479	19
30	6.70	n/a	n/a	n/a	1	1487	5.2	1497	1478	19
50	5.64	n/a	n/a	n/a	1	1482	5.0	1487	1477	19
75	4.50	n/a	n/a	n/a	1	1480	5.3	1485	1477	19
100	3.94	n/a	n/a	n/a	1	1480	1.6	1484	1478	19
125	3.55	n/a	n/a	n/a	1	1481	1.1	1483	1478	19
150	3.18	n/a	n/a	n/a	1	1480	.9	1482	1478	19
175	3.06	n/a	n/a	n/a	1	1479	.7	1480	1478	19
200	2.80	n/a	n/a	n/a	1	1479	.7	1480	1478	19
225	2.69	n/a	n/a	n/a	1	1478	.9	1480	1477	19
250	2.60	n/a	n/a	n/a	1	1477	.8	1479	1476	19
300	2.19	n/a	n/a	n/a	1	1477	.6	1478	1476	18
400	1.35	n/a	n/a	n/a	1	1477	.8	1478	1476	18
500	.92	n/a	n/a	n/a	1	1477	.6	1478	1476	18
600	.46	n/a	n/a	n/a	1	1477	.6	1478	1476	17
700	.43	n/a	n/a	n/a	1	1478	.7	1479	1477	17
800	.42	n/a	n/a	n/a	1	1479	.6	1480	1478	17
900	.43	n/a	n/a	n/a	1	1480	.6	1481	1479	17
1000	.45	n/a	n/a	n/a	1	1481	.5	1481	1480	16
1200	.38	n/a	n/a	n/a	1	1482	n/a	1483	1481	9
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.918	.3246	13.486	12.228	16
10	12.511	.3132	13.080	11.874	16
20	12.122	.3043	12.685	11.525	16
30	11.773	.2833	12.295	11.201	16
50	11.733	.2469	11.602	10.662	16
75	10.528	.2129	10.862	10.094	16
100	9.986	.1729	10.216	9.629	16
125	9.523	.1517	9.748	9.219	16
150	9.108	.1407	9.329	8.831	16
175	8.724	.1350	8.942	8.459	16
200	8.357	.1312	8.571	8.099	16
225	8.003	.1279	8.214	7.753	16
250	7.661	.1249	7.866	7.419	16
300	7.001	.1207	7.200	6.765	16
400	5.771	.1127	5.963	5.543	16
500	4.635	.0989	4.812	4.441	16
600	3.580	.0797	3.733	3.427	16
700	2.598	.0579	2.711	2.490	16
800	1.679	.0362	1.744	1.609	16
900	.814	.0169	.842	.778	16
1000	.000	.000	.000	.000	16
1200	-1.495	.0302	-1.455	-1.537	9
1500	n/a	n/a	n/a	n/a	0

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TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	13.19	1.093	15.02	11.47	16	31.969	.2960	32.250	30.970	16
10	12.86	1.099	14.73	11.16	16	32.000	.2085	32.320	31.400	16
20	11.56	1.390	13.64	8.96	16	32.140	.1879	32.485	31.787	16
30	10.52	1.583	13.54	7.93	16	32.267	.1877	32.577	31.974	16
50	8.80	1.067	10.84	7.16	16	32.515	.1576	32.890	32.259	16
75	7.98	.645	8.96	6.99	16	32.831	.2883	33.310	32.527	16
100	7.78	.535	8.77	6.72	16	33.285	.2777	33.634	32.708	16
125	7.55	.396	8.17	6.51	16	33.655	.1481	33.835	33.245	16
150	7.27	.365	7.84	6.29	16	33.815	.0717	33.896	33.577	16
175	6.99	.363	7.56	5.99	16	33.887	.0420	33.936	33.765	16
200	6.74	.362	7.18	5.77	16	33.929	.0270	33.974	33.872	16
225	6.51	.381	7.03	5.62	16	33.951	.0227	33.986	33.908	16
250	6.29	.360	6.80	5.47	16	33.970	.0237	34.016	33.930	16
300	5.86	.300	6.22	5.04	16	34.097	.0229	34.045	34.067	16
400	5.27	.200	5.65	4.82	16	34.046	.0321	34.108	34.096	15
500	4.85	.109	5.06	4.61	15	34.118	.0348	34.188	34.067	15
600	4.50	.125	4.66	4.15	15	34.183	.0389	34.266	34.125	15
700	4.23	.085	4.33	3.99	15	34.252	.0450	34.357	34.200	15
800	3.95	.076	4.06	3.78	15	34.304	.0500	34.427	34.238	15
900	3.72	.069	3.81	3.54	15	34.354	.0623	34.485	34.222	15
1000	3.51	.069	3.60	3.34	14	34.389	.0799	34.536	34.191	14
1200	3.11	.065	3.21	3.03	8	34.411	.0731	34.443	34.231	8
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.030	.3594	24.529	22.949	16	389.1	.34.28	492.2	341.5	16
10	24.117	.2815	24.670	23.529	16	389.0	.26.85	437.1	328.3	16
20	24.467	.3516	25.129	23.956	16	394.9	.31.52	396.6	328.8	16
30	24.745	.3875	25.398	23.969	16	395.6	.36.96	395.6	325.9	16
50	25.223	.2650	25.726	24.780	16	396.3	.25.29	318.5	228.4	16
75	25.596	.2998	26.065	25.224	16	396.1	.28.54	276.6	196.5	16
100	25.982	.2766	26.404	25.445	16	396.9	.26.33	256.0	164.6	16
125	26.306	.1543	26.590	25.954	16	397.5	.14.70	207.9	147.3	16
150	26.471	.0891	26.654	26.273	16	398.2	.15.54	177.9	141.5	16
175	26.566	.0643	26.701	26.450	16	398.5	.16.20	161.5	137.3	16
200	26.632	.0523	26.759	26.566	16	398.9	.15.09	150.9	132.0	16
225	26.681	.0496	26.792	26.613	16	399.1	.14.45	146.7	129.1	16
250	26.724	.0444	26.818	26.668	16	399.5	.14.37	141.8	126.9	16
300	26.800	.0358	26.884	26.745	16	399.5	.12.56	134.9	121.0	16
400	26.911	.0378	26.983	26.855	16	399.7	.11.71	125.1	112.4	16
500	27.016	.0335	27.067	26.963	16	399.7	.11.04	115.5	105.3	15
600	27.105	.0355	27.168	27.044	16	399.8	.10.25	108.6	96.7	15
700	27.191	.0369	27.267	27.138	16	399.9	.09.47	100.2	88.1	15
800	27.261	.0399	27.346	27.207	16	399.9	.09.73	93.9	81.2	15
900	27.323	.0490	27.420	27.210	16	399.4	.04.57	94.2	74.6	15
1000	27.373	.0627	27.480	27.207	14	399.1	.05.81	94.6	69.3	14
1200	27.428	.0619	27.455	27.275	8	399.3	.05.86	88.7	71.6	8
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

THETA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	13.19	1.093	15.02	11.47	16	389.1	.34.28	492.2	341.5	16
10	12.86	1.099	14.73	11.16	16	389.7	.26.84	436.8	328.0	16
20	11.55	1.389	13.64	8.96	16	394.4	.36.48	396.1	284.4	16
30	10.52	1.583	13.54	7.93	16	396.9	.36.89	394.8	258.8	16
50	8.80	1.064	10.83	7.16	16	397.5	.25.19	317.5	227.6	16
75	7.97	.645	8.96	6.98	16	398.9	.28.50	275.3	195.4	16
100	7.77	.535	8.76	6.71	16	399.2	.26.27	254.2	163.1	16
125	7.53	.395	8.15	6.50	16	399.5	.17.23	205.6	145.4	16
150	7.25	.366	7.83	6.27	16	399.7	.14.64	175.5	139.3	16
175	6.97	.364	7.55	5.97	16	399.7	.16.09	158.6	134.8	16
200	6.72	.362	7.16	5.75	16	399.4	.14.14	147.6	129.4	16
225	6.49	.381	7.01	5.60	16	399.7	.14.69	143.1	126.2	16
250	6.27	.362	6.78	5.44	16	399.6	.13.26	137.8	123.7	16
300	5.83	.298	6.19	5.02	16	399.4	.12.54	130.6	117.5	16
400	5.23	.201	5.62	4.78	16	399.8	.11.48	120.1	107.9	16
500	4.81	.109	5.02	4.57	16	399.7	.10.47	109.8	99.9	15
600	4.46	.125	4.61	4.10	16	399.2	.09.62	102.0	90.2	15
700	4.16	.084	4.28	3.94	16	398.0	.08.49	93.0	80.0	15
800	3.89	.075	4.00	3.72	16	398.4	.07.77	86.5	73.3	15
900	3.65	.067	3.74	3.48	16	397.4	.04.65	86.2	66.2	15
1000	3.44	.067	3.53	3.27	14	397.0	.07.07	86.2	60.5	14
1200	3.02	.061	3.12	2.95	8	396.4	.05.84	79.8	62.8	8
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SVA (THETA)

STATION MP04 J U L Y 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	16	.00	.00	.00	.00	16
10	.389	.0324	.480	.340	16	.02	.02	.02	.02	16
20	.753	.0528	.850	.640	16	.08	.006	.08	.06	16
30	1.088	.0742	1.190	.920	16	.16	.013	.18	.13	16
40	1.686	.1234	1.860	1.410	16	.40	.035	.45	.33	16
50	2.330	.1798	2.560	1.930	16	.81	.071	.91	.67	16
60	2.885	.2394	3.180	2.380	16	1.31	.131	1.46	1.06	16
70	3.457	.2845	3.720	2.760	16	1.85	.185	2.12	1.50	16
80	3.772	.3269	4.160	3.120	16	2.43	.220	2.78	2.00	16
90	4.159	.3223	4.570	3.470	16	3.07	.247	3.49	2.58	16
100	4.528	.3331	4.960	3.810	16	3.77	.268	4.23	3.23	16
110	4.882	.3433	5.320	4.130	16	4.54	.292	5.03	3.93	16
120	5.227	.3513	5.680	4.450	16	5.37	.314	5.89	4.70	16
130	5.891	.3654	6.360	5.070	16	7.24	.359	7.79	6.44	16
140	7.136	.3930	7.610	6.240	16	11.67	.467	12.27	10.62	16
150	8.309	.4209	8.790	7.330	15	16.99	.609	17.72	15.61	15
160	9.375	.4390	9.880	8.450	15	22.95	.753	23.85	21.29	15
170	10.363	.4569	10.930	9.300	15	29.49	.922	30.76	27.63	15
180	11.281	.4711	11.890	10.190	15	36.50	1.133	38.14	34.39	15
190	12.144	.4932	12.830	11.020	15	43.98	1.458	46.26	41.57	15
200	12.966	.5417	13.780	11.800	14	51.86	1.972	55.46	48.62	14
210	14.567	.6959	15.610	13.290	8	69.94	2.832	75.98	65.89	8
220	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.31	.442	6.78	5.90		1498	3.6	1504	1492	16
10	6.37	.535	6.95	5.90		1497	3.6	1503	1491	16
20	6.58	.271	6.89	6.42		1493	4.8	1500	1484	16
30	6.25	.292	6.59	6.07		1489	5.5	1499	1480	16
40	6.20	.184	6.36	6.00		1484	3.9	1491	1477	16
50	5.78	.483	6.19	5.25		1481	2.8	1485	1478	16
60	4.500	.557	5.14	4.17		1482	1.4	1484	1478	16
70	4.56	.427	4.05	3.27		1481	1.4	1483	1477	16
80	5.00	.237	3.20	2.74		1480	1.5	1483	1476	16
90	5.06	.302	3.40	2.83		1480	1.5	1482	1476	16
100	2.72	.105	2.82	2.61		1479	1.5	1481	1476	16
110	2.41	.152	2.55	2.25		1479	1.4	1481	1476	16
120	2.15	.186	2.30	1.94		1478	1.2	1480	1475	16
130	1.72	.116	1.80	1.59		1477	0.8	1479	1476	16
140	1.46	.324	1.81	1.17		1477	0.6	1478	1476	15
150	0.95	.210	1.16	0.74		1478	0.6	1478	1476	15
160	0.69	.244	0.97	0.52		1478	0.5	1479	1477	15
170	0.54	.176	0.74	0.43		1479	0.4	1479	1478	15
180	0.40	.118	0.53	0.30		1479	0.5	1480	1479	15
190	0.36	.101	0.48	0.30		1479	0.4	1480	1479	15
200	0.37	.085	0.43	0.31		1480	0.4	1481	1480	14
210	0.30	.064	0.34	0.25		1482	0.0	1482	1482	8
220	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.966	.5408	13.779	11.802	14
10	12.576	.5286	13.382	11.462	14
20	12.208	.5107	12.996	11.157	14
30	11.874	.4899	12.626	10.884	14
40	11.277	.4534	11.953	10.395	14
50	10.629	.4085	11.230	9.870	14
60	10.069	.3560	10.607	9.421	14
70	9.592	.3166	10.062	9.039	14
80	9.175	.2975	9.618	8.680	14
90	8.787	.2867	9.224	8.332	14
100	8.416	.2782	8.853	7.966	14
110	8.059	.2715	8.497	7.611	14
120	7.712	.2665	8.152	7.265	14
130	7.045	.2561	7.488	6.604	14
140	5.797	.2293	6.213	5.382	14
150	4.644	.1965	5.017	4.276	14
160	3.580	.1657	3.896	3.259	14
170	2.593	.1317	2.852	2.337	14
180	1.676	.0978	1.887	1.492	14
190	.813	.0545	.949	.715	14
200	-.000	.0000	.000	.000	14
210	-1.549	.1147	-1.474	-1.829	8
220	n/a	n/a	n/a	n/a	0

STATION MP04 A U G U S T 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	14.59	1.717	16.95	10.86	34	32.094	.2715	33.123	1.659	34
10	14.16	1.811	16.81	10.86	34	32.075	.1837	32.485	1.735	34
20	12.63	1.963	16.72	9.82	34	32.185	.1927	32.568	1.868	34
30	10.61	1.586	14.25	7.94	34	32.340	.1591	32.619	1.950	34
50	8.61	.892	10.43	7.00	34	32.555	.1311	32.835	2.300	34
75	7.93	.706	9.34	6.98	34	32.689	.2050	32.343	2.451	34
100	7.65	.508	9.02	6.78	34	33.349	.1946	32.678	2.911	34
125	7.43	.340	8.08	6.54	34	33.656	.1058	32.828	2.416	34
150	7.24	.301	7.82	6.23	34	33.818	.0597	32.913	2.667	34
175	6.99	.302	7.92	5.96	34	33.896	.0322	32.950	2.822	34
200	6.74	.306	7.28	5.74	34	33.932	.0273	32.973	2.869	34
225	6.50	.300	7.03	5.54	34	33.948	.0286	32.997	2.884	34
250	6.29	.283	6.80	5.42	34	33.962	.0283	32.021	2.896	34
300	5.91	.260	6.41	5.16	34	33.991	.0338	32.055	2.911	34
400	5.34	.278	5.83	4.66	33	34.045	.0307	32.104	2.958	33
500	4.90	.203	5.27	4.41	33	34.108	.0301	32.154	2.019	33
600	4.53	.134	4.80	4.17	30	34.178	.0244	32.221	2.115	30
700	4.26	.097	4.49	3.96	30	34.242	.0181	32.282	2.201	30
800	4.01	.091	4.20	3.73	29	34.298	.0188	32.335	2.267	29
900	3.75	.072	3.91	3.59	28	34.343	.0235	32.384	2.302	28
1000	3.53	.062	3.67	3.40	28	34.384	.0225	32.419	2.318	28
1200	3.12	.066	3.20	2.91	21	34.449	.0310	32.494	2.346	21
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	23.833	.5020	24.851	23.080	34	407.9	47.87	479.7	310.9	34
10	23.906	4.836	24.851	23.101	34	401.2	46.14	478.0	311.1	34
20	24.293	5.061	25.063	23.223	34	364.5	48.31	466.7	291.1	34
30	24.785	5.606	25.283	23.942	34	317.7	34.42	398.2	270.2	34
50	25.285	2.021	25.660	24.843	34	270.4	19.30	312.6	234.6	34
75	25.649	2.380	26.139	25.147	34	236.1	22.70	284.0	189.4	34
100	26.050	2.006	26.356	25.591	34	198.3	19.12	242.2	169.1	34
125	26.322	1.118	26.520	26.041	34	172.9	10.66	199.7	153.9	34
150	26.478	.0721	26.643	26.337	34	158.5	6.89	172.0	142.6	34
175	26.573	.0528	26.714	26.477	34	149.8	5.09	159.1	136.1	34
200	26.634	.0456	26.756	26.560	34	144.2	4.44	151.5	132.3	34
225	26.680	.0413	26.793	26.611	34	140.1	4.03	146.9	128.9	34
250	26.718	.0388	26.821	26.646	34	136.7	3.78	143.9	126.6	34
300	26.789	.0369	26.885	26.722	34	130.6	3.61	137.2	120.9	34
400	26.901	.0416	27.005	26.822	33	120.7	4.13	128.5	110.2	33
500	27.002	.0369	27.092	26.936	33	103.2	2.78	110.1	96.2	30
600	27.099	.0279	27.168	27.029	30	96.2	1.93	99.7	91.9	30
700	27.179	.0194	27.220	27.143	30	90.1	1.90	93.5	84.9	29
800	27.249	.0192	27.299	27.215	29	84.5	1.84	87.5	80.0	28
900	27.312	.0192	27.356	27.279	28	79.8	1.74	84.2	75.7	28
1000	27.366	.0183	27.406	27.317	28	71.6	2.53	80.0	68.5	21
1200	27.457	.0266	27.489	27.369	21	n/a	n/a	n/a	n/a	0
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

THETA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	14.59	1.717	16.95	10.86	34	407.9	47.87	479.7	310.9	34
10	14.16	1.811	16.81	10.86	34	400.9	46.12	477.7	310.8	34
20	12.63	1.963	16.72	9.82	34	364.0	48.25	466.1	290.7	34
30	10.61	1.586	14.25	7.94	34	317.1	34.35	397.4	269.7	34
50	8.60	.889	10.32	7.00	34	269.5	19.21	311.5	233.9	34
75	7.92	.705	9.33	6.98	34	234.8	22.62	282.6	188.3	34
100	7.64	.508	9.01	6.77	34	196.7	19.06	240.3	167.6	34
125	7.42	.340	8.07	6.52	34	170.8	10.61	197.5	152.0	34
150	7.22	.301	7.80	6.22	34	156.0	6.83	169.3	140.4	34
175	6.97	.301	7.51	5.95	34	147.0	4.99	156.1	133.7	34
200	6.72	.305	7.26	5.73	34	141.1	4.33	148.2	129.6	34
225	6.48	.300	7.01	5.52	34	136.7	3.90	143.3	126.1	34
250	6.27	.283	6.78	5.40	34	133.1	3.67	139.9	123.4	34
300	5.89	.258	6.38	5.14	34	126.4	3.49	132.7	117.3	34
400	5.31	.279	5.80	4.63	33	115.7	3.92	123.1	105.9	33
500	4.86	.202	5.23	4.38	33	106.1	3.48	112.3	97.5	30
600	4.48	.132	4.75	4.13	30	96.8	2.64	103.4	90.1	29
700	4.20	.096	4.44	3.91	30	89.2	1.82	92.6	85.4	29
800	3.95	.090	4.13	3.67	29	82.4	1.80	85.7	77.8	29
900	3.68	.072	3.84	3.52	28	76.5	1.82	79.6	72.5	28
1000	3.03	.060	3.60	3.35	21	71.4	1.74	76.0	67.0	21
1200	3.03	.067	3.11	2.82	21	62.6	2.50	71.0	59.6	21
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SVA (THETA)

STATION MP04 AUGUST 1956 to 1990

DELTA D

POT. ENERGY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	34	.00	.000	.00	.00	34
10	.407	.0460	.480	.310	34	.02	.000	.02	.02	34
20	.794	.0910	.950	.610	34	.08	.010	.10	.06	34
30	1.135	.1274	1.400	1.900	34	.17	.019	.21	.13	34
50	1.718	.1673	2.070	1.440	34	.40	.036	.48	.35	34
75	2.353	.2128	2.790	1.980	34	.81	.068	.95	.69	34
100	2.891	.2608	3.440	2.440	34	1.28	.113	1.52	1.08	34
125	3.354	.2934	3.990	2.850	34	1.81	.154	2.15	1.54	34
150	3.765	.3117	4.450	3.240	34	2.39	.182	2.79	2.06	34
175	4.149	.3241	4.860	3.600	34	3.03	.201	3.47	2.64	34
200	4.517	.3337	5.250	4.950	34	4.73	.220	4.21	3.28	34
225	4.873	.3396	5.520	4.290	34	5.34	.238	5.02	4.99	34
250	5.218	.3463	5.980	4.620	34	5.89	.255	5.89	4.76	34
300	5.886	.3561	6.680	5.250	33	7.21	.293	7.83	6.49	33
400	7.155	.3800	7.990	6.410	33	11.69	.404	12.53	10.62	33
500	8.316	.4084	9.220	7.470	33	17.02	.564	18.16	15.50	33
600	9.372	.4459	10.350	8.460	30	22.98	.716	24.48	21.06	30
700	10.368	.4587	11.380	9.410	30	29.58	.836	31.35	27.32	30
800	11.307	.4759	12.340	10.290	29	36.68	.955	38.64	34.04	29
900	12.142	.4481	12.990	11.120	28	44.17	1.002	46.20	41.21	28
1000	12.962	.4555	13.820	11.890	28	52.11	1.110	54.05	48.73	28
1200	14.412	.4952	15.250	13.330	21	68.84	1.463	71.01	64.88	21
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

OXYGEN

SOUND

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.12	.348	6.64	5.80	5	1502	5.5	1510	1490	34
10	6.26	.425	6.81	5.83	5	1501	5.9	1510	1490	34
20	6.22	.369	6.86	5.92	5	1496	6.5	1509	1487	34
30	6.28	.555	7.24	5.88	5	1490	6.5	1502	1480	34
50	6.18	.279	6.44	5.71	5	1483	3.4	1489	1477	34
75	5.20	.522	5.75	4.64	5	1481	2.7	1486	1477	34
100	4.29	.415	4.67	3.70	5	1481	1.9	1486	1478	34
125	3.79	.393	4.24	3.37	5	1481	1.3	1483	1478	34
150	3.29	.416	4.00	2.92	5	1481	1.2	1483	1477	34
175	3.00	.198	2.23	2.68	5	1480	1.2	1482	1476	34
200	2.88	.408	5.00	2.43	5	1480	1.3	1482	1476	34
225	2.86	.621	5.90	2.31	5	1479	1.3	1481	1475	34
250	2.62	.448	3.34	2.22	5	1479	1.3	1481	1475	34
300	2.07	.309	2.46	1.74	5	1478	1.1	1480	1475	34
400	1.31	.168	1.51	1.11	5	1478	1.2	1480	1475	33
500	.84	.125	1.04	.74	5	1478	.9	1479	1476	33
600	.57	.058	.66	.52	5	1478	.6	1479	1476	30
700	.43	.059	.53	.38	5	1478	.5	1479	1477	30
800	.29	.061	.35	.22	4	1479	.4	1480	1478	29
900	.28	.054	.34	.21	4	1480	.5	1480	1479	28
1000	.30	.049	.35	.24	4	1480	.5	1481	1480	28
1200	.38	.092	.45	.32	4	1482	.5	1482	1481	21
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

DELTA DH

PRESS	MEAN	S.D.	MAX	MIN	N
0	12.962	.4551	13.818	11.893	28
10	12.551	.4252	13.355	11.476	28
20	12.163	.3909	12.895	11.136	28
30	11.822	.3613	12.468	10.842	28
50	11.240	.3232	11.863	10.342	28
75	10.607	.2783	11.159	9.810	28
100	10.072	.2385	10.533	9.363	28
125	9.612	.2139	10.022	8.961	28
150	9.201	.2007	9.594	8.591	28
175	8.818	.1902	9.193	8.244	28
200	8.453	.1814	8.814	7.909	28
225	8.099	.1733	8.444	7.583	28
250	7.755	.1659	8.085	7.263	28
300	7.091	.1521	7.391	6.644	28
400	5.842	.1226	6.063	5.486	28
500	4.688	.0920	4.827	4.421	28
600	3.617	.0677	3.731	3.430	28
700	2.622	.0501	2.697	2.484	28
800	1.692	.0343	1.752	1.605	28
900	.820	.0178	.858	.777	28
1000	.000	.0000	.000	.000	28
1200	-1.507	.0413	-1.441	-1.638	21
1500	n/a	n/a	n/a	n/a	0

STATION MP04 S E P T E M B E R 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	14.32	1.742	18.60	10.00	28	31.928	.3673	32.361	30.818	28	
10	13.79	2.011	18.23	9.70	28	32.009	.1931	32.314	31.560	28	
20	12.73	2.329	17.27	9.21	28	32.170	.1836	32.500	31.870	28	
30	10.94	1.949	15.00	7.76	28	32.344	.1776	32.650	32.048	28	
50	8.58	.674	9.99	7.39	28	32.575	.1700	32.127	32.280	28	
75	7.80	.567	9.20	6.79	28	32.874	.2577	32.410	32.505	28	
100	7.55	.336	8.18	6.88	28	33.254	.2717	32.670	32.623	28	
125	7.41	.254	7.85	6.97	28	33.578	.1726	32.849	33.158	28	
150	7.23	.240	7.75	6.85	28	33.783	.0812	32.898	33.612	28	
175	7.04	.217	7.50	6.46	28	34.072	.0485	32.947	32.770	28	
200	6.81	.236	7.25	6.08	28	34.12	.0405	32.970	32.818	28	
225	6.55	.249	6.86	5.66	28	34.32	.0379	32.998	32.858	28	
250	6.33	.252	6.75	5.46	28	34.46	.0342	32.011	32.869	28	
300	5.94	.270	6.40	5.13	28	34.979	.0287	32.034	32.908	28	
400	5.36	.250	5.67	4.60	28	34.037	.0224	32.081	32.997	28	
500	4.95	.235	5.28	4.28	28	34.102	.0236	32.150	32.064	28	
600	4.59	.157	4.84	4.21	28	34.169	.0317	32.242	32.121	28	
700	4.28	.116	4.49	4.01	28	34.235	.0288	32.05	32.190	28	
800	4.02	.098	4.22	3.80	28	34.293	.0241	32.342	32.253	28	
900	3.76	.088	3.96	3.57	28	34.345	.0253	32.403	32.301	28	
1000	3.53	.093	3.73	3.36	27	34.384	.0231	32.439	32.334	27	
1200	3.08	.077	3.20	2.94	20	34.453	.0163	32.488	32.434	20	
1500	2.53	n/a	n/a	n/a	1	34.557	n/a	n/a	n/a	1	

SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	23.762	.4557	24.917	22.844	28	414.7	.43.48	502.3	304.5	28	
10	23.927	.3999	24.930	22.922	28	399.2	.38.18	495.2	303.5	28	
20	24.254	.5312	25.055	23.144	28	368.2	.50.70	474.2	291.8	28	
30	24.725	.4366	25.426	23.742	28	323.4	.41.67	417.3	256.6	28	
50	25.307	.1946	25.829	24.923	28	268.3	.18.54	304.9	218.7	28	
75	25.656	.2083	26.107	25.206	28	235.4	.19.80	278.3	192.6	28	
100	25.991	.2002	26.327	25.515	28	204.0	.18.97	249.1	172.1	28	
125	26.265	.1257	26.501	25.965	28	178.4	.11.90	206.7	156.0	28	
150	26.450	.0720	26.563	26.326	28	161.1	.6.86	172.9	150.4	28	
175	26.547	.0498	26.634	26.445	28	152.2	.4.77	162.1	143.9	28	
200	26.610	.0382	26.687	26.517	28	146.6	.3.67	155.6	139.2	28	
225	26.660	.0354	26.741	26.580	28	142.1	.4.43	149.8	134.3	28	
250	26.701	.0329	26.778	26.614	28	138.4	.2.22	146.9	131.0	28	
300	26.776	.0305	26.836	26.710	28	131.8	.0.02	138.2	126.0	28	
400	26.892	.0323	26.977	26.843	28	121.5	.2.23	126.4	113.1	28	
500	26.992	.0337	27.078	26.953	28	112.8	.3.29	116.7	104.2	28	
600	27.085	.0332	27.175	27.037	28	104.6	.2.26	109.4	95.8	28	
700	27.171	.0278	27.245	27.131	28	97.0	.2.71	100.9	89.8	28	
800	27.245	.0239	27.300	27.202	28	90.5	.2.38	94.9	85.0	28	
900	27.312	.0264	27.377	27.268	28	84.6	.2.61	89.0	78.0	28	
1000	27.367	.0257	27.426	27.318	27	79.7	.2.60	84.4	73.7	27	
1200	27.464	.0175	27.498	27.441	20	70.8	.1.79	73.3	67.4	20	
1500	27.595	n/a	n/a	n/a	1	58.7	n/a	n/a	n/a	1	

THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	14.32	1.742	18.60	10.00	28	414.7	.43.48	502.3	304.5	28	
10	13.79	2.011	18.23	9.70	28	398.9	.38.14	494.8	303.3	28	
20	12.73	2.329	17.27	9.21	28	367.7	.50.61	473.5	291.4	28	
30	10.94	1.949	15.00	7.76	28	322.8	.41.57	416.4	256.1	28	
50	8.58	.673	9.98	7.39	28	267.4	.18.50	303.9	217.8	28	
75	7.79	.566	9.19	6.78	28	234.2	.19.80	277.0	191.4	28	
100	7.54	.336	8.17	6.87	28	202.3	.19.02	247.6	170.4	28	
125	7.40	.255	7.84	6.96	28	176.3	.11.93	204.7	153.9	28	
150	7.22	.240	7.73	6.84	28	158.6	.6.84	170.4	147.9	28	
175	7.02	.217	7.48	6.44	28	149.4	.4.72	159.1	141.2	28	
200	6.79	.236	7.23	6.06	28	143.4	.3.60	152.2	136.2	28	
225	6.53	.248	6.83	5.65	28	138.7	.3.36	146.3	131.0	28	
250	6.38	.252	6.73	5.44	28	134.8	.1.12	143.0	127.4	28	
300	5.91	.270	6.37	5.10	28	127.6	.87	133.8	121.9	28	
400	5.33	.249	5.64	4.57	28	116.6	.05	121.2	108.5	28	
500	4.91	.234	5.23	4.24	28	107.0	.16	110.6	98.9	28	
600	4.54	.157	4.79	4.17	28	98.1	.13	102.6	89.6	28	
700	4.23	.116	4.43	3.95	28	89.9	.60	93.7	83.0	28	
800	3.96	.098	4.16	3.74	28	82.9	.26	86.9	77.7	28	
900	3.70	.089	3.89	3.50	28	76.5	.48	80.6	70.3	28	
1000	3.46	.092	3.65	3.29	27	71.3	.43	75.9	65.6	27	
1200	2.99	.076	3.11	2.86	20	61.9	.66	64.1	58.7	20	
1500	2.43	n/a	n/a	n/a	1	49.4	n/a	n/a	n/a	1	

STATION MP04 S E P T E M B E R 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	28	.00	.000	.00	.00	28
10	.409	.0381	.500	.310	28	.02	.002	.03	.02	28
20	.796	.0757	.990	.610	28	.08	.009	.10	.06	28
30	1.144	.1152	1.440	.920	28	.17	.018	.21	.14	28
50	1.729	.1583	2.160	1.450	28	.41	.038	.50	.34	28
75	2.357	.1950	2.880	1.950	28	.81	.065	.97	.68	28
100	2.902	.2355	3.500	2.400	28	1.29	.105	1.52	1.08	28
125	3.378	.2682	4.030	2.810	28	1.84	.145	2.13	1.55	28
150	3.800	.2880	4.490	3.190	28	2.43	.173	2.77	2.08	28
175	4.191	.2991	4.910	3.560	28	3.07	.194	3.46	2.69	28
200	4.564	.3063	5.300	3.920	28	3.79	.210	4.20	3.38	28
225	4.925	.3112	5.670	4.270	28	4.57	.223	5.01	4.14	28
250	5.276	.3141	6.930	4.620	28	5.41	.236	5.89	4.98	28
300	5.951	.3209	6.720	5.290	28	7.31	.260	7.83	6.86	28
400	7.215	.3243	8.010	6.550	28	11.81	.308	12.41	11.33	28
500	8.387	.3243	9.180	7.740	28	17.18	.380	17.99	16.44	28
600	9.472	.3243	10.280	8.870	28	23.26	.505	24.15	22.13	28
700	10.481	.3270	11.300	9.920	28	29.95	.669	30.84	28.42	28
800	11.418	.3330	12.260	10.880	28	37.11	.820	38.14	35.22	28
900	12.293	.3419	13.160	11.790	28	44.69	1.012	46.13	42.27	28
1000	13.129	.3512	14.030	12.590	27	52.69	1.220	54.48	49.63	27
1200	14.648	.3671	15.600	14.020	20	69.39	1.736	71.81	65.37	20
1500	15.900	n/a	n/a	n/a	1	91.79	n/a	n/a	n/a	1

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.37	.439	6.79	5.81	4	1501	5.7	1515	1487	28
10	6.46	.528	7.05	5.81	4	1500	6.8	1514	1485	28
20	6.18	.354	6.62	5.81	4	1497	7.9	1511	1484	28
30	5.73	.614	6.40	4.91	4	1491	6.7	1504	1479	28
50	4.38	1.652	5.98	2.65	4	1483	2.6	1488	1478	28
75	4.50	.800	5.40	3.62	4	1481	2.3	1486	1476	28
100	4.09	.544	4.45	3.28	4	1481	1.4	1483	1478	28
125	3.60	.338	4.10	3.39	4	1481	1.2	1483	1479	28
150	3.23	.808	4.43	3.73	4	1481	1.0	1483	1479	28
175	2.91	.657	3.87	2.42	4	1481	.88	1482	1478	28
200	2.53	.523	3.18	2.02	4	1480	1.0	1482	1477	28
225	2.38	.531	3.00	1.93	4	1480	1.0	1481	1476	28
250	2.26	.526	2.83	1.73	4	1479	1.2	1481	1475	28
300	1.73	.200	1.90	1.49	4	1478	1.2	1480	1475	28
400	1.21	.164	1.36	1.01	4	1478	1.0	1479	1475	28
500	.82	.217	.98	.50	4	1478	1.1	1479	1475	28
600	.66	.145	.76	.41	4	1478	.8	1479	1476	28
700	.48	.131	.65	.33	4	1478	.66	1479	1477	28
800	.40	.110	.56	.33	4	1479	.55	1480	1478	28
900	.41	.126	.59	.32	4	1480	.55	1481	1479	28
1000	.53	.134	.62	.43	2	1480	.55	1481	1480	27
1200	.63	.198	.77	.49	2	1482	n/a	1482	1481	20
1500	n/a	n/a	n/a	n/a	0	1485	n/a	n/a	n/a	1

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.128	.3516	14.030	12.593	27
10	12.720	.3351	13.528	12.167	27
20	12.331	.3137	13.040	11.749	27
30	11.983	.2861	12.593	11.394	27
50	11.396	.2549	11.874	10.845	27
75	10.767	.2298	11.149	10.252	27
100	10.224	.2078	10.529	9.740	27
125	9.747	.2002	10.038	9.279	27
150	9.325	.1999	9.599	8.833	27
175	8.933	.1979	9.183	8.435	27
200	8.560	.1960	8.796	8.057	27
225	8.198	.1939	8.434	7.693	27
250	7.847	.1903	8.081	7.343	27
300	7.171	.1834	7.396	6.671	27
400	5.905	.1603	6.116	5.467	27
500	4.732	.1318	4.920	4.371	27
600	3.645	.1006	3.805	3.378	27
700	2.635	.0734	2.763	2.451	27
800	1.697	.0511	1.784	1.569	27
900	.821	.0262	.865	.760	27
1000	.000	.0000	.000	.000	27
1200	-1.499	.0441	-1.404	-1.569	20
1500	-3.311	n/a	n/a	n/a	1

STATION MP04 OCTOBER 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	13.05	1.296	15.00	9.90	18	32.117	.3239	32.392	30.880	18	
10	13.08	1.283	15.01	9.89	18	32.118	.3267	32.402	30.880	18	
20	12.66	1.375	14.57	9.85	18	32.159	.3413	32.526	30.880	18	
30	11.17	1.572	13.88	8.87	18	32.320	.2069	32.620	31.710	18	
50	9.05	1.299	11.90	7.48	18	32.607	.2298	32.948	31.960	18	
75	7.99	.522	9.06	7.11	18	32.872	.2708	32.540	32.550	18	
100	7.77	.306	8.32	6.96	18	33.242	.2735	33.775	32.784	18	
125	7.60	.245	7.99	7.20	18	33.593	.1756	33.852	33.265	18	
150	7.38	.248	7.77	6.94	18	33.794	.0932	33.915	33.616	18	
175	7.14	.228	7.48	6.68	18	34.050	.878	34.961	33.755	18	
200	6.94	.228	7.33	6.50	18	34.191	.917	34.969	33.827	18	
225	6.73	.221	7.16	6.37	18	34.355	.935	34.984	33.859	18	
250	6.51	.200	6.95	6.13	18	34.497	.947	34.997	33.878	18	
300	6.14	.229	6.54	5.63	18	34.666	.966	34.021	33.910	18	
400	5.46	.234	5.79	4.95	18	34.008	.0310	34.072	33.951	18	
500	4.97	.198	5.26	4.65	18	34.072	.0259	34.137	34.038	18	
600	4.61	.144	4.95	4.39	18	34.144	.0263	34.198	34.109	18	
700	4.29	.101	4.54	4.12	18	34.211	.0283	34.262	34.170	18	
800	4.03	.058	4.12	3.92	17	34.276	.0226	34.317	34.238	17	
900	3.79	.060	3.88	3.66	17	34.328	.0234	34.365	34.290	17	
1000	3.56	.070	3.66	3.39	17	34.375	.0238	34.409	34.338	17	
1200	3.15	.089	3.28	2.95	13	34.438	.0219	34.473	34.395	13	
1500	2.69	n/a	n/a	n/a	1	34.511	n/a	n/a	n/a	1	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.168	.3018	24.872	23.574	18	375.9	.2876	432.6	308.9	18	
10	24.163	.3004	24.886	23.576	18	376.6	.2864	432.6	307.7	18	
20	24.275	.3516	25.029	23.576	18	366.1	.3352	432.8	294.3	18	
30	24.673	.4804	25.300	24.028	18	368.4	.3629	390.0	268.6	18	
50	25.254	.3062	25.782	24.644	18	373.4	.2921	371.6	223.0	18	
75	25.629	.2334	26.193	25.251	18	378.0	.2219	274.1	184.4	18	
100	25.951	.2250	26.406	25.512	18	379.8	.2138	249.6	164.6	18	
125	26.249	.1478	26.509	25.937	18	380.9	.1403	209.6	155.2	18	
150	26.438	.0833	26.593	26.244	18	382.3	.793	180.8	147.5	18	
175	26.538	.0476	26.664	26.460	18	383.1	.457	160.7	141.0	18	
200	26.596	.0377	26.696	26.520	18	387.9	.363	155.3	138.3	18	
225	26.639	.0339	26.723	26.567	18	388.2	.330	151.2	136.0	18	
250	26.677	.0300	26.747	26.613	18	389.0	.292	147.1	134.0	18	
300	26.740	.0266	26.791	26.692	18	389.3	.262	140.0	130.4	18	
400	26.857	.0266	26.900	26.823	18	389.9	.263	128.0	120.4	18	
500	26.966	.0315	27.037	26.914	18	390.5	.15	120.5	108.4	18	
600	27.063	.0298	27.117	27.006	18	390.7	.93	112.5	101.4	18	
700	27.151	.0282	27.208	27.091	18	398.9	.76	104.9	93.2	18	
800	27.230	.0204	27.266	27.193	17	91.9	.96	95.5	88.3	17	
900	27.295	.0207	27.329	27.266	17	86.2	.200	89.0	82.9	17	
1000	27.356	.0215	27.388	27.322	17	80.8	.210	84.0	77.6	17	
1200	27.445	.0209	27.478	27.402	13	72.8	.07	77.0	69.6	13	
1500	27.545	n/a	n/a	n/a	1	63.8	n/a	n/a	n/a	1	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	13.05	1.296	15.00	9.90	18	375.9	.2877	432.6	308.9	18	
10	13.08	1.283	15.01	9.89	18	376.4	.2863	432.4	307.5	18	
20	12.66	1.375	14.57	9.85	18	365.6	.3348	432.3	293.9	18	
30	11.17	1.572	13.88	8.87	18	377.7	.3622	389.2	268.1	18	
50	9.04	1.297	11.89	7.48	18	372.4	.2913	370.4	222.2	18	
75	7.98	.522	9.05	7.10	18	376.8	.2219	272.7	183.1	18	
100	7.76	.306	8.31	6.95	18	206.1	.2139	247.8	162.9	18	
125	7.59	.245	7.98	7.19	18	177.7	.1404	207.4	153.1	18	
150	7.37	.248	7.76	6.93	18	159.7	.790	178.2	145.1	18	
175	7.12	.229	7.46	6.67	18	150.3	.452	157.7	138.3	18	
200	6.92	.227	7.31	6.48	18	144.7	.558	152.0	135.2	18	
225	6.71	.221	7.14	6.35	18	140.7	.321	147.5	132.7	18	
250	6.49	.201	6.93	6.11	18	137.0	.204	143.1	130.4	18	
300	6.12	.229	6.51	5.60	18	131.0	.250	135.5	126.2	18	
400	5.43	.233	5.76	4.92	18	119.8	.251	123.1	115.8	18	
500	4.93	.198	5.22	4.61	18	109.5	.297	114.4	102.8	18	
600	4.56	.143	4.90	4.34	18	100.2	.279	105.5	95.2	18	
700	4.24	.100	4.49	4.07	18	91.8	.268	97.5	86.4	18	
800	3.97	.058	4.06	3.86	17	84.2	.193	87.7	80.8	17	
900	3.73	.059	3.81	3.60	17	78.1	.196	80.8	74.8	17	
1000	3.49	.070	3.59	3.32	17	72.3	.206	75.5	69.2	17	
1200	3.06	.087	3.19	2.87	13	63.8	1.95	67.8	60.7	13	
1500	2.58	n/a	n/a	n/a	1	54.2	n/a	n/a	n/a	1	

STATION MP04 OCTOBER 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	18	.00	.000	.00	.00	18
10	.376	.0281	.430	.310	18	.02	.000	.02	.02	18
20	.752	.0576	.870	.620	18	.08	.007	.09	.06	18
30	1.101	.0820	1.280	1.930	18	.17	.014	.19	.14	18
50	1.695	.1113	1.920	1.450	18	.41	.030	.45	.35	18
75	2.331	.1552	2.550	1.960	18	.81	.064	.90	.67	18
100	2.888	.2073	2.200	2.390	18	1.30	.112	1.48	1.06	18
125	3.370	.2488	2.770	2.790	18	1.86	.160	2.14	1.52	18
150	3.795	.2706	4.260	1.70	18	2.45	.195	2.82	2.05	18
175	4.187	.2828	4.680	3.530	18	3.10	.218	3.52	2.64	18
200	4.566	.2921	5.070	3.880	18	3.82	.235	4.26	3.31	18
225	4.929	.2971	5.440	4.220	18	4.61	.251	5.08	4.05	18
250	5.284	.3048	5.810	4.560	18	5.47	.265	5.96	4.87	18
300	5.976	.3132	6.510	5.220	18	7.41	.290	7.93	6.73	18
400	7.274	.3225	7.830	6.480	18	12.04	.337	12.67	11.21	18
500	8.475	.3303	9.060	7.650	18	17.54	.405	18.28	16.60	18
600	9.583	.3381	10.200	8.730	18	23.75	.523	24.65	22.67	18
700	10.611	.3457	11.250	9.730	18	30.55	.679	31.63	29.25	18
800	11.574	.3644	12.210	10.640	17	37.89	.816	39.04	36.26	17
900	12.464	.3740	13.120	11.500	17	45.60	.972	46.85	43.68	17
1000	13.299	.3858	13.970	12.300	17	53.69	1.151	55.08	51.44	17
1200	14.900	.3046	15.520	14.590	13	70.96	1.226	72.62	68.63	13
1500	16.960	n/a	n/a	n/a	1	98.64	n/a	n/a	n/a	1

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.24	.204	6.49	5.99	4	1497	4.5	1504	1487	18
10	6.23	.181	6.46	6.02	4	1497	4.4	1504	1487	18
20	6.20	.186	6.41	5.96	4	1496	4.7	1503	1487	18
30	6.26	.259	6.60	5.97	4	1492	5.6	1501	1484	18
50	6.09	.379	6.38	5.57	4	1485	4.8	1495	1479	18
75	5.34	1.276	6.55	5.68	4	1481	2.1	1485	1478	18
100	4.14	.382	4.58	3.70	4	1481	1.2	1483	1478	18
125	3.48	.478	4.17	3.13	4	1482	1.1	1483	1480	18
150	3.16	.444	3.65	2.58	4	1481	1.1	1483	1479	18
175	2.83	.436	3.40	2.36	4	1481	1.0	1482	1479	18
200	2.62	.450	3.29	2.32	4	1480	.8	1482	1479	18
225	2.60	.423	3.10	2.16	4	1480	1.0	1482	1478	18
250	2.58	.515	3.10	2.00	4	1479	1.0	1481	1477	18
300	2.22	.298	2.49	1.80	4	1478	.9	1482	1479	18
400	1.55	.126	1.70	1.43	4	1478	.9	1479	1476	18
500	.95	.074	1.05	.87	4	1478	.8	1479	1476	18
600	.64	.037	.68	.60	4	1478	.8	1479	1477	18
700	.45	.013	.47	.44	4	1478	.5	1479	1478	18
800	.31	.022	.33	.28	4	1479	.5	1479	1479	17
900	.32	.019	.33	.29	4	1480	.5	1480	1479	17
1000	.33	.027	.35	.29	4	1481	.5	1481	1480	17
1200	.48	.043	.54	.44	4	1482	.5	1483	1481	13
1500	n/a	n/a	n/a	n/a	0	1485	n/a	n/a	n/a	1

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.299	.3853	13.973	12.302	17
10	12.922	.3701	13.585	11.993	17
20	12.547	.3546	13.196	11.686	17
30	12.200	.3349	12.809	11.374	17
50	11.606	.2984	12.137	10.853	17
75	10.970	.2628	11.435	10.345	17
100	10.413	.2279	10.774	9.912	17
125	9.930	.2049	10.223	9.513	17
150	9.505	.1931	9.751	9.135	17
175	9.112	.1856	9.335	8.775	17
200	8.736	.1798	8.964	8.412	17
225	8.371	.1753	8.611	8.050	17
250	8.015	.1711	8.265	7.696	17
300	7.324	.1620	7.589	7.019	17
400	6.024	.1422	6.285	5.755	17
500	4.820	.1166	5.643	4.604	17
600	3.708	.0898	3.878	3.547	17
700	2.678	.0631	2.790	2.574	17
800	1.725	.0397	1.793	1.658	17
900	.856	.0209	.871	.801	17
1000	.000	.0000	.000	.000	17
1200	-1.531	.0370	-1.460	-1.602	13
1500	-3.568	n/a	n/a	n/a	1

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TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.48	.754	11.66	9.30	17	32.241	.1648	32.490	31.841	17	
10	10.46	.792	11.67	8.96	17	32.248	.1436	32.496	31.895	17	
20	10.48	.794	11.67	8.91	17	32.264	.1102	32.495	32.041	17	
30	10.48	.796	11.67	8.88	17	32.273	.0935	32.495	32.115	17	
50	9.64	.800	11.18	8.15	17	32.512	.1938	32.882	32.289	17	
75	8.35	.410	8.86	7.24	17	32.890	.2772	33.388	32.629	17	
100	7.92	.361	8.48	6.96	17	33.272	.2723	33.723	32.875	17	
125	7.70	.309	8.34	7.06	17	33.591	.1875	33.814	33.244	17	
150	7.46	.351	8.22	6.99	17	33.775	.0813	33.886	33.601	17	
175	7.26	.389	8.05	6.69	17	33.864	.0418	33.928	33.781	17	
200	7.04	.427	7.93	6.32	17	33.908	.0193	33.941	33.878	17	
225	6.82	.454	7.81	6.09	17	33.927	.0179	33.967	33.900	17	
250	6.59	.463	7.66	5.93	17	33.942	.0168	33.986	33.907	17	
300	6.20	.434	7.15	5.66	17	33.973	.0223	34.017	33.943	17	
400	5.57	.402	6.60	5.16	16	34.022	.0242	34.084	33.994	16	
500	4.98	.235	5.58	4.68	16	34.072	.0351	34.137	33.999	16	
600	4.59	.196	5.05	4.34	16	34.146	.0317	34.197	34.086	16	
700	4.24	.172	4.62	4.01	16	34.211	.0343	34.264	34.146	16	
800	3.94	.107	4.14	3.76	15	34.279	.0294	34.323	34.233	15	
900	3.71	.090	3.86	3.57	15	34.330	.0229	34.366	34.297	15	
1000	3.49	.098	3.62	3.34	15	34.375	.0213	34.414	34.345	15	
1200	3.06	.067	3.18	2.97	15	34.443	.0147	34.468	34.417	15	
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.741	.2020	25.107	24.465	17	321.3	.19.23	347.6	286.4	17	
10	24.749	.1970	25.112	24.505	17	320.8	.18.78	344.0	286.2	17	
20	24.759	.1883	25.111	24.540	17	320.1	.17.95	340.9	286.4	17	
30	24.766	.1836	25.110	24.541	17	319.5	.17.50	341.0	286.8	17	
50	25.092	.2658	25.534	24.675	17	328.9	.25.35	328.6	246.7	17	
75	25.588	.2435	25.998	25.320	17	324.1	.23.16	267.5	203.0	17	
100	25.951	.2172	26.309	25.666	17	207.8	.20.61	234.8	173.8	17	
125	26.234	.1478	26.449	25.988	17	181.3	.14.01	204.6	160.8	17	
150	26.412	.0725	26.562	26.324	17	164.8	.6.95	173.1	150.4	17	
175	26.510	.0614	26.611	26.397	17	155.8	.5.95	166.9	146.1	17	
200	26.575	.0621	26.676	26.451	17	150.0	.6.06	162.1	140.1	17	
225	26.619	.0602	26.706	26.491	17	146.0	.5.92	158.7	137.5	17	
250	26.662	.0593	26.741	26.527	17	142.3	.5.85	155.6	134.4	17	
300	26.737	.0550	26.811	26.610	17	135.6	.5.46	148.2	128.4	17	
400	26.854	.0496	26.917	26.732	16	125.3	.5.02	137.8	119.3	16	
500	26.965	.0493	27.026	26.849	16	115.3	.4.88	126.9	109.3	16	
600	27.067	.0430	27.113	26.968	16	106.3	.4.27	116.2	101.9	16	
700	27.156	.0394	27.201	27.066	16	98.3	.3.92	107.3	94.1	16	
800	27.241	.0281	27.277	27.195	15	90.7	.2.74	95.4	87.4	15	
900	27.305	.0214	27.333	27.264	15	85.1	.2.12	89.2	82.5	15	
1000	27.362	.0203	27.392	27.335	15	80.0	.2.04	82.6	77.3	15	
1200	27.457	.0125	27.476	27.429	15	71.4	.1.21	74.2	69.4	15	
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.48	.754	11.66	9.30	17	321.3	.19.23	347.6	286.4	17	
10	10.46	.792	11.67	8.96	17	320.6	.18.77	343.8	286.0	17	
20	10.48	.794	11.67	8.91	17	319.6	.17.93	340.4	286.0	17	
30	10.48	.796	11.67	8.88	17	318.9	.17.47	340.3	286.2	17	
50	9.63	.800	11.17	8.14	17	287.9	.25.30	327.5	245.8	17	
75	8.34	.410	8.85	7.23	17	240.6	.23.15	266.1	201.7	17	
100	7.91	.361	8.47	6.95	17	296.1	.20.64	233.2	172.1	17	
125	7.68	.308	8.32	7.05	17	179.2	.14.02	202.5	158.8	17	
150	7.45	.352	8.21	6.97	17	162.3	.6.89	170.6	148.0	17	
175	7.24	.390	8.04	6.67	17	152.9	.5.84	163.7	143.3	17	
200	7.02	.425	7.91	6.30	17	146.7	.5.88	158.5	137.2	17	
225	6.86	.454	7.79	6.07	17	142.5	.5.70	154.7	134.3	17	
250	6.57	.463	7.64	5.91	17	138.6	.5.60	151.2	131.0	17	
300	6.17	.434	7.12	5.63	17	131.3	.5.19	143.3	124.3	17	
400	5.54	.399	6.56	5.13	16	120.1	.4.67	131.6	114.2	16	
500	4.94	.235	5.54	4.64	16	109.5	.4.66	120.5	103.8	16	
600	4.54	.196	5.00	4.29	16	99.8	.4.06	109.2	95.4	16	
700	4.19	.170	4.56	3.96	16	91.3	.3.73	99.8	87.1	16	
800	3.88	.107	4.08	3.70	15	83.2	.2.66	87.6	79.9	15	
900	3.65	.090	3.79	3.50	15	77.1	.2.03	81.0	74.5	15	
1000	3.42	.097	3.55	3.27	15	71.7	.1.91	74.2	68.9	15	
1200	2.97	.065	3.09	2.89	15	62.6	.1.12	65.2	60.9	15	
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

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DELTA D						POT. ENERGY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	.000	.000	.000	.000	17	.00	.00	.00	.00	17	
10	.324	.0191	.350	.290	17	.02	.003	.02	.01	17	
20	.642	.0384	.690	.570	17	.06	.005	.07	.06	17	
30	.963	.0538	1.020	.860	17	.15	.010	.16	.13	17	
50	1.581	.0768	1.690	1.430	17	.40	.019	.43	.36	17	
75	2.239	.0983	2.390	2.030	17	.82	.048	.88	.73	17	
100	2.798	.1427	3.010	2.500	17	1.31	.093	1.43	1.15	17	
125	3.282	.1827	3.540	2.930	17	1.87	.139	2.04	1.64	17	
150	3.714	.2041	3.990	3.200	17	2.47	.169	2.68	2.19	17	
175	4.114	.2134	4.400	3.690	17	3.13	.188	3.36	2.80	17	
200	4.495	.2210	4.800	4.050	17	3.86	.203	4.11	3.48	17	
225	4.865	.2275	5.180	4.390	17	4.66	.220	4.94	4.23	17	
250	5.224	.2335	5.550	4.730	17	5.54	.240	5.85	5.06	17	
300	5.919	.2473	6.260	5.390	17	7.48	.295	7.84	6.90	17	
400	7.239	.2814	7.610	6.620	16	12.16	.452	12.93	11.30	16	
500	8.441	.3120	8.830	7.770	16	17.67	.659	19.00	16.56	16	
600	9.548	.3451	9.980	8.830	16	23.87	.904	25.80	22.49	16	
700	10.569	.3779	11.690	9.810	16	30.63	1.154	33.19	28.99	16	
800	11.475	.3877	12.030	10.720	15	37.66	1.190	40.14	35.91	15	
900	12.354	.4095	12.950	11.560	15	45.26	1.362	47.87	43.26	15	
1000	13.177	.4269	13.800	12.370	15	53.24	1.537	56.07	51.03	15	
1200	14.692	.4538	15.330	13.850	15	70.19	1.838	73.56	67.63	15	
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

OXYGEN						SOUND					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	6.35	.236	6.74	6.04	6	1489	2.7	1493	1484	17	
10	6.56	.160	6.66	6.22	6	1489	2.8	1493	1483	17	
20	6.34	.165	6.62	6.16	6	1489	2.8	1493	1483	17	
30	6.32	.169	6.59	6.11	6	1489	2.9	1493	1483	17	
50	6.64	.829	6.36	4.12	6	1487	2.8	1492	1481	17	
75	4.83	1.062	6.34	3.68	6	1483	1.6	1484	1478	17	
100	4.22	.833	5.78	3.33	6	1482	1.5	1485	1478	17	
125	3.60	.720	5.01	2.99	6	1482	1.2	1485	1480	17	
150	3.32	.624	4.45	2.66	6	1482	1.4	1485	1480	17	
175	1.15	.502	4.01	2.58	6	1481	1.6	1485	1479	17	
200	3.00	.343	3.46	2.56	6	1481	1.8	1485	1478	17	
225	2.88	.287	3.22	2.54	6	1480	1.9	1484	1478	17	
300	2.71	.231	3.03	2.40	6	1479	1.7	1483	1477	17	
400	2.16	.265	2.42	1.66	6	1479	1.7	1483	1477	17	
500	1.47	.273	1.88	1.05	6	1478	1.9	1480	1477	16	
600	.98	.357	1.68	.68	6	1478	1.9	1480	1477	16	
700	.64	.208	1.05	.49	6	1478	1.9	1480	1477	16	
800	.44	.057	.52	.37	6	1478	1.9	1480	1477	16	
900	.33	.044	.40	.28	6	1479	1.5	1480	1478	15	
1000	.33	.021	.37	.32	6	1480	1.5	1480	1479	15	
1200	.34	.009	.35	.33	6	1482	1.4	1482	1481	15	
1500	.49	.035	.53	.44	6	n/a	n/a	n/a	n/a	6	

DELTA DH					
PRESS	MEAN	S.D.	MAX	MIN	N
0	13.178	.4272	13.804	12.366	15
10	12.857	.4209	13.467	12.066	15
20	12.538	.4138	13.130	11.771	15
30	12.218	.4070	12.793	11.470	15
50	11.601	.3788	12.125	10.913	15
75	10.935	.3470	11.436	10.333	15
100	10.371	.3166	10.952	9.862	15
125	9.884	.2950	10.511	9.435	15
150	9.453	.2820	10.081	9.049	15
175	9.053	.2702	9.663	8.679	15
200	8.672	.2583	9.254	8.321	15
225	8.303	.2464	8.855	7.975	15
250	7.943	.2342	8.461	7.635	15
300	7.250	.2125	7.709	6.978	15
400	5.953	.1711	6.300	5.744	15
500	4.758	.1370	5.008	4.596	15
600	3.658	.1013	4.822	3.537	15
700	2.644	.0706	2.759	2.556	15
800	1.702	.0418	1.775	1.651	15
900	.825	.0196	.853	.801	15
1000	.000	.0000	.000	.000	15
1200	-1.512	.0304	-1.469	-1.567	15
1500	n/a	n/a	n/a	n/a	0

STATION MP04 D E C E M B E R 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	10.07	.567	10.54	8.28	19	32.137	.2872	32.378	31.290	19
10	10.08	.578	10.63	8.28	19	32.179	.2605	32.378	31.290	19
20	10.11	.575	10.65	8.28	19	32.217	.1884	32.430	31.587	19
30	10.08	.572	10.55	8.28	19	32.251	.1082	32.430	32.080	19
50	9.71	.802	10.55	7.61	19	32.374	.1320	32.670	32.200	19
75	8.06	.511	9.03	7.25	19	32.847	.2141	32.320	32.612	19
100	7.70	.462	8.92	6.82	18	33.199	.2473	33.634	32.741	18
125	7.52	.397	8.66	6.92	18	33.515	.1695	33.765	33.152	18
150	7.36	.357	8.40	6.74	18	33.730	.0914	33.862	33.582	18
175	7.17	.355	8.08	6.50	18	33.837	.0569	33.921	33.744	18
200	6.93	.383	7.88	6.20	18	33.893	.0468	33.990	33.806	18
225	6.69	.391	7.42	6.04	18	33.918	.0454	34.010	33.839	18
250	6.48	.402	7.42	5.88	18	33.938	.0466	34.030	33.860	18
300	6.08	.382	7.03	5.63	18	33.964	.0430	34.040	33.880	18
500	5.38	.330	6.25	4.96	17	34.023	.0288	34.073	33.970	17
1000	4.91	.223	5.44	4.57	17	34.085	.0322	34.150	34.046	17
1200	4.51	.156	4.81	4.24	17	34.158	.0216	34.194	34.128	17
1500	4.20	.165	4.42	3.90	17	34.224	.0249	34.280	34.182	17
800	3.97	.129	4.15	3.70	17	34.288	.0245	34.350	34.252	17
900	3.74	.104	3.90	3.55	17	34.339	.0260	34.400	34.297	17
1000	3.53	.087	3.69	3.41	17	34.385	.0222	34.430	34.338	17
1200	3.07	.095	3.28	2.97	10	34.448	.0206	34.490	34.428	10
	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	SIGMA T					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.730	.2167	25.186	24.181	19	322.4	20.65	374.7	278.9	19
10	24.762	.2053	25.192	24.186	19	319.5	19.55	374.4	278.6	19
20	24.785	.1762	25.193	24.344	19	317.5	16.78	359.5	278.6	19
30	24.817	.1316	25.194	24.649	19	314.6	12.54	330.6	278.7	19
50	24.972	.2075	25.525	24.746	19	300.2	19.80	321.8	247.4	19
75	25.599	.1837	25.960	25.345	18	240.9	17.47	265.1	206.5	19
100	25.926	.1846	26.249	25.542	18	210.1	17.51	246.6	179.4	18
125	26.199	.1278	26.391	25.914	18	184.6	12.13	211.6	166.3	18
150	26.391	.0780	26.568	26.236	18	166.7	7.44	181.5	149.8	18
175	26.501	.0634	26.636	26.380	18	156.6	6.10	168.3	143.6	18
200	26.577	.0621	26.702	26.445	18	149.7	6.01	162.4	137.6	18
225	26.630	.0544	26.732	26.493	18	145.0	5.30	158.2	135.0	18
250	26.674	.0546	26.775	26.538	18	141.1	5.32	154.2	131.2	18
300	26.746	.0491	26.834	26.624	18	134.7	4.84	146.5	126.0	18
400	26.879	.0332	26.926	26.779	17	122.7	3.37	133.0	118.2	17
500	26.983	.0351	27.049	26.900	17	113.6	2.28	122.0	107.2	17
600	27.086	.0264	27.120	27.035	17	104.4	2.63	109.6	101.1	17
700	27.170	.0245	27.221	27.128	17	96.9	2.46	101.2	92.1	17
800	27.245	.0217	27.299	27.213	17	90.4	2.14	93.5	85.3	17
900	27.310	.0213	27.355	27.270	17	84.7	2.05	88.6	80.6	17
1000	27.368	.0207	27.408	27.325	17	79.6	2.06	83.7	75.7	17
1200	27.461	.0171	27.492	27.440	10	71.1	1.65	73.7	68.3	10
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	10.07	.567	10.54	8.28	19	322.4	20.65	374.7	278.9	19
10	10.08	.579	10.63	8.28	19	319.3	19.55	374.2	278.4	19
20	10.11	.575	10.65	8.28	19	317.1	16.77	359.1	278.3	19
30	10.08	.571	10.65	8.28	19	314.0	12.51	330.0	278.2	19
50	9.70	.799	10.54	7.61	19	299.2	19.73	320.7	246.6	19
75	8.05	.510	9.02	7.24	19	239.6	17.46	263.8	205.3	18
100	7.69	.462	8.91	6.81	18	208.5	17.54	244.9	177.8	18
125	7.51	.395	8.64	6.91	18	182.5	12.14	209.6	164.3	18
150	7.35	.356	8.58	6.72	18	164.2	7.39	178.9	147.5	18
175	7.15	.356	8.07	6.48	18	153.8	6.00	165.3	141.0	18
200	6.92	.383	7.86	6.19	18	146.5	5.86	159.0	134.8	18
225	6.67	.391	7.63	6.02	18	141.5	5.14	154.5	131.9	18
250	6.46	.401	7.40	5.86	18	137.3	5.15	150.2	127.8	18
300	6.05	.381	7.00	5.61	18	130.5	4.64	142.0	122.1	18
400	5.34	.327	6.21	4.93	17	117.7	3.11	127.2	113.4	17
500	4.87	.223	5.40	4.53	17	107.9	3.12	115.7	101.6	17
600	4.46	.157	4.76	4.19	17	98.1	2.48	102.9	94.8	17
700	4.15	.164	4.37	3.85	17	90.0	2.29	93.9	85.2	17
800	3.91	.128	4.08	3.64	17	82.8	2.04	85.9	77.8	17
900	3.67	.104	3.83	3.48	17	76.7	2.02	80.5	72.4	17
1000	3.45	.085	3.61	3.34	17	71.2	1.97	75.2	67.3	17
1200	2.98	.094	3.20	2.89	10	62.2	1.56	64.2	59.3	10
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP04 D E C E M B E R 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	19	.00	.00	.00	.00	19
10	.321	.0298	.580	.280	19	.02	.002	.02	.01	19
20	.641	.0375	.740	.560	19	.06	.005	.07	.06	19
30	.957	.0514	1.090	.840	19	.15	.008	.16	.13	19
50	1.578	.0690	1.700	1.390	19	.40	.017	.42	.35	19
75	2.249	.0988	2.380	1.940	19	.83	.040	.87	.71	19
100	2.800	.1310	2.960	2.410	18	1.32	.077	1.43	1.13	18
125	3.294	.1577	3.500	2.840	18	1.88	.115	2.09	1.62	18
150	3.729	.1750	3.980	2.240	18	2.49	.141	2.75	2.18	18
175	4.132	.1826	4.390	2.620	18	3.16	.160	3.44	2.81	18
200	4.514	.1885	4.780	2.990	18	3.89	.173	4.16	3.51	18
225	4.884	.1913	5.140	4.350	18	4.69	.186	4.97	4.29	18
250	5.239	.1956	5.490	4.700	18	5.55	.198	5.85	5.15	18
300	5.929	.2015	6.170	5.390	18	7.48	.244	7.83	6.98	18
400	7.199	.2163	7.460	6.670	17	12.02	.327	12.62	11.29	17
500	8.381	.2333	8.730	7.850	17	17.43	.447	18.42	16.44	17
600	9.470	.2500	9.890	8.950	17	23.54	.600	24.92	22.25	17
700	10.476	.2647	10.940	9.970	17	30.20	.748	31.91	28.74	17
800	11.412	.2758	11.910	10.930	17	37.35	.893	39.31	35.77	17
900	12.286	.2849	12.820	11.830	17	44.92	1.044	47.18	43.18	17
1000	13.108	.2915	13.670	12.660	17	52.87	1.203	55.39	50.85	17
1200	14.608	.3708	15.230	14.100	10	69.41	1.869	72.84	66.96	10
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1487	2.2	1489	1481	19
10	n/a	n/a	n/a	n/a	0	1487	2.2	1489	1481	19
20	n/a	n/a	n/a	n/a	0	1488	2.1	1490	1481	19
30	n/a	n/a	n/a	n/a	0	1488	2.1	1490	1481	19
50	n/a	n/a	n/a	n/a	0	1487	3.0	1490	1479	19
75	n/a	n/a	n/a	n/a	0	1482	2.1	1486	1478	18
100	n/a	n/a	n/a	n/a	0	1481	2.0	1486	1478	18
125	n/a	n/a	n/a	n/a	0	1481	1.7	1486	1479	18
150	n/a	n/a	n/a	n/a	0	1481	1.4	1485	1479	18
175	n/a	n/a	n/a	n/a	0	1481	1.4	1485	1478	18
200	n/a	n/a	n/a	n/a	0	1481	1.5	1484	1478	18
225	n/a	n/a	n/a	n/a	0	1480	1.5	1484	1478	18
250	n/a	n/a	n/a	n/a	0	1480	1.6	1483	1477	18
300	n/a	n/a	n/a	n/a	0	1479	1.6	1483	1477	18
400	n/a	n/a	n/a	n/a	0	1478	1.4	1481	1476	17
500	n/a	n/a	n/a	n/a	0	1478	1.1	1480	1476	17
600	n/a	n/a	n/a	n/a	0	1478	.7	1479	1477	17
700	n/a	n/a	n/a	n/a	0	1478	.8	1479	1477	17
800	n/a	n/a	n/a	n/a	0	1479	.6	1480	1478	17
900	n/a	n/a	n/a	n/a	0	1480	.5	1480	1479	17
1000	n/a	n/a	n/a	n/a	0	1480	.5	1481	1480	17
1200	n/a	n/a	n/a	n/a	0	1482	1.6	1483	1481	10
1500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.107	.2921	13.669	12.657	17
10	12.787	.2904	13.347	12.316	17
20	12.470	.2891	13.026	11.955	17
30	12.155	.2876	12.704	11.608	17
50	11.536	.2953	12.059	10.988	17
75	10.865	.2635	11.975	10.311	17
100	10.308	.2532	10.825	9.803	17
125	9.814	.2440	10.334	9.357	17
150	9.377	.2335	9.886	8.964	17
175	8.975	.2216	9.466	8.596	17
200	8.594	.2105	9.065	8.246	17
225	8.228	.1996	8.674	7.906	17
250	7.873	.1904	8.294	7.572	17
300	7.187	.1711	7.558	6.927	17
400	5.907	.1410	6.207	5.674	17
500	4.727	.1142	4.941	4.522	17
600	3.637	.0883	3.780	3.460	17
700	2.631	.0640	2.728	2.492	17
800	1.695	.0416	1.771	1.610	17
900	.821	.0209	.865	.781	17
1000	.000	.0000	.000	.000	17
1200	-1.502	.0369	-1.438	-1.557	10
1500	n/a	n/a	n/a	n/a	0

Table 14. Statistics of TEMPERATURE, SALINITY, DEPTH, SVA, THETA, SVA (THETA), DELTA D, POT. ENERGY, DELTA DH, ACC. POT., OXYGEN and SOUND ON σ_t -surfaces, using all data, for Station 3 (P04).

Table 14: STATION MP04 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	15.75	1.799	17.82	14.57	3	31.390	.5069	31.963	31.001	3	
23.20	14.07	3.219	17.01	7.81	12	31.246	.7704	31.971	29.736	12	
23.40	13.95	2.771	16.60	7.86	23	31.440	.6598	32.091	30.005	23	
23.60	13.52	2.361	15.87	7.88	32	31.583	.5513	32.140	30.292	32	
23.80	13.15	1.993	15.28	7.90	54	31.726	.4623	32.234	30.597	54	
24.00	12.64	1.745	14.95	7.91	82	31.839	.3991	32.403	30.825	82	
24.20	12.06	1.458	14.39	7.91	113	31.949	.3309	32.515	31.036	113	
24.40	11.34	1.227	13.49	7.60	136	32.031	.2752	32.549	31.239	136	
24.60	10.66	1.037	12.65	7.38	167	32.128	.2248	32.582	31.482	167	
24.80	10.01	.872	11.73	7.16	196	32.237	.1815	32.607	31.678	196	
25.00	9.37	.682	10.74	7.21	241	32.351	.1388	32.655	31.932	241	
25.20	8.79	.544	10.30	7.21	261	32.488	.1079	32.790	32.185	261	
25.40	8.30	.556	10.04	6.87	276	32.647	.1093	32.990	32.382	276	
25.60	8.04	.562	9.52	6.64	276	32.853	.1074	33.144	32.599	276	
25.80	7.92	.513	9.56	6.86	275	33.085	.0968	33.402	32.891	275	
26.00	7.81	.450	9.30	6.80	275	33.318	.0841	33.605	33.133	275	
26.20	7.68	.376	8.75	6.73	275	33.548	.0693	33.750	33.378	275	
26.40	7.46	.277	8.19	6.59	275	33.760	.0501	33.896	33.608	275	
26.60	6.91	.180	7.40	6.24	275	33.918	.0312	34.005	33.804	275	
26.80	5.83	.171	6.50	5.17	272	33.993	.0271	34.101	33.892	272	
27.00	4.87	.128	5.30	4.35	256	34.101	.0186	34.165	34.028	256	
27.10	4.49	.101	4.79	4.14	252	34.175	.0142	34.217	34.127	252	
27.20	4.15	.097	4.49	3.77	250	34.255	.0129	34.300	34.207	250	
27.30	3.80	.087	4.17	3.58	245	34.335	.0114	34.383	34.308	245	
27.40	3.38	.094	3.87	3.12	216	34.409	.0111	34.470	34.378	216	
27.50	2.89	.119	3.51	2.72	53	34.478	.0135	34.550	34.462	53	
27.60	2.51	n/a	n/a	n/a	1	34.560	n/a	n/a	n/a	1	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	7	6.7	14	1	3	487.5	.25	487.8	487.3	3	
23.20	8	6.3	21	1	12	468.4	.23	468.8	468.0	12	
23.40	10	7.7	26	0	23	449.4	.26	449.7	448.7	23	
23.60	13	7.5	28	2	32	430.3	.27	430.7	429.5	32	
23.80	15	7.4	31	2	54	411.2	.27	411.7	410.5	54	
24.00	17	7.0	34	22	82	392.2	.25	392.7	391.4	82	
24.20	19	7.9	37	23	113	373.2	.23	373.7	372.2	113	
24.40	22	8.4	41	24	136	354.1	.22	354.6	353.2	136	
24.60	24	9.4	46	20	167	335.1	.22	335.7	334.4	167	
24.80	29	9.7	52	21	196	316.2	.22	316.8	315.6	196	
25.00	37	13.3	70	23	241	297.3	.26	298.0	296.7	241	
25.20	49	16.1	105	93	261	278.4	.30	279.6	277.8	261	
25.40	63	16.5	122	15	276	259.6	.31	260.9	258.8	276	
25.60	76	15.4	132	40	276	240.7	.30	242.0	240.1	276	
25.80	87	15.4	138	49	275	221.9	.29	223.1	221.3	275	
26.00	99	15.8	147	63	275	203.1	.29	204.2	202.9	275	
26.20	115	16.6	166	75	275	184.4	.30	185.6	183.7	275	
26.40	142	18.7	210	98	275	165.8	.33	167.0	165.0	275	
26.60	199	27.6	305	126	275	147.6	.44	149.2	146.4	275	
26.80	322	36.2	458	225	272	129.7	.48	131.5	128.3	272	
27.00	500	37.3	627	393	256	112.0	.42	113.3	110.7	256	
27.10	603	36.8	702	505	252	103.1	.37	104.2	102.0	252	
27.20	724	37.5	825	625	250	94.3	.35	95.6	93.4	250	
27.30	867	40.9	963	735	245	85.5	.30	86.2	84.6	245	
27.40	1047	48.7	1182	863	210	76.6	.29	77.2	75.5	210	
27.50	1257	58.9	1362	1033	53	67.4	.26	68.1	66.7	53	
27.60	1500	n/a	n/a	n/a	1	58.2	n/a	n/a	n/a	1	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	15.75	1.793	17.81	14.57	3	483.0	5.12	486.3	477.1	3	
23.20	14.07	3.219	17.01	7.81	12	463.4	8.51	468.3	443.8	12	
23.40	13.95	2.771	16.60	7.86	23	445.7	7.49	449.2	415.7	23	
23.60	13.52	2.360	15.87	7.88	32	426.0	6.500	429.9	398.5	32	
23.80	13.14	1.992	15.27	7.90	54	407.6	5.02	411.0	386.2	54	
24.00	12.64	1.745	14.94	7.91	82	389.5	3.45	391.9	369.1	82	
24.20	12.06	1.457	14.39	7.91	113	370.5	2.81	372.8	355.8	113	
24.40	11.33	1.226	13.49	7.59	136	351.6	2.53	353.7	341.5	136	
24.60	10.66	1.037	12.64	7.38	167	332.9	2.25	334.8	323.2	167	
24.80	10.01	.871	11.73	7.16	196	314.3	1.82	315.7	304.5	196	
25.00	9.36	.682	10.73	7.21	241	295.6	1.34	296.6	288.7	241	
25.20	8.79	.543	10.29	7.21	261	276.9	1.05	277.6	271.4	261	
25.40	8.29	.555	10.03	6.87	276	258.0	.90	258.6	252.7	276	
25.60	8.03	.561	9.51	6.63	276	238.9	.78	239.5	235.4	276	
25.80	7.91	.512	9.55	6.86	275	220.0	.61	220.5	217.3	275	
26.00	7.80	.449	9.28	6.79	275	201.1	.41	201.5	199.7	275	
26.20	7.67	.376	8.74	6.72	275	182.2	.23	182.5	181.2	275	
26.40	7.44	.276	8.17	6.58	275	163.3	.11	163.5	162.9	275	
26.60	6.89	.179	7.39	6.22	275	144.3	.06	144.4	144.0	275	
26.80	5.80	.171	6.48	5.15	272	125.2	.17	125.4	124.6	272	
27.00	4.83	.127	5.26	4.31	256	106.1	.10	106.3	105.9	256	
27.10	4.44	.101	4.75	4.09	252	96.6	.08	96.8	96.4	252	
27.20	4.10	.097	4.42	3.70	250	87.1	.06	87.2	87.0	245	
27.30	3.73	.088	4.11	3.52	245	77.6	.05	77.7	77.4	245	
27.40	3.30	.096	3.81	3.04	210	68.0	.10	68.2	67.7	210	
27.50	2.81	.121	3.43	2.63	53	58.5	.10	58.6	58.2	53	
27.60	2.40	n/a	n/a	n/a	1	49.0	n/a	n/a	n/a	1	

STATION MP04 ALL DATA (JANUARY-DECEMBER) 1956 to 1990

DELTA D						POT. ENERGY				
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	.323	.3296	.680	.030	3	.02	.026	.05	.00	3
23.20	.373	.3097	1.230	.050	12	.035	.11	.00	.00	12
23.40	.488	.4696	1.240	.000	23	.04	.048	.16	.00	23
23.60	.603	.5550	1.340	.090	32	.05	.054	.18	.00	32
23.80	.655	.3382	1.480	.120	54	.06	.055	.23	.00	54
24.00	.721	.4182	1.610	.060	82	.07	.058	.27	.00	82
24.20	.799	.3414	1.730	.120	113	.09	.071	.32	.00	113
24.40	.866	.3544	1.850	.160	136	.11	.079	.36	.00	136
24.60	.938	.3824	1.960	.000	167	.13	.092	.41	.00	167
24.80	.1.073	.4114	2.060	.030	196	.18	.116	.47	.00	196
25.00	.1.279	.4675	2.410	.090	241	.26	.168	.77	.01	241
25.20	.1.619	.5216	3.200	.250	261	.43	.271	1.70	.03	261
25.40	.1.977	.5218	3.670	.390	276	.64	.327	2.24	.03	276
25.60	.2.294	.4951	3.920	1.160	276	.86	.357	2.57	.22	276
25.80	.2.551	.4969	4.650	1.430	275	1.008	.394	2.75	.35	275
26.00	.2.813	.5030	4.230	1.730	275	1.303	.443	2.94	.51	275
26.20	.3.125	.5059	4.570	1.970	275	1.67	.507	3.48	.68	275
26.40	.3.599	.5141	5.030	2.370	275	2.30	.628	4.69	1.04	275
26.60	.4.493	.5970	6.210	2.800	275	3.89	1.078	8.27	1.55	275
26.80	.6.203	.6859	8.240	4.130	272	8.49	1.930	16.54	4.07	272
27.00	.8.383	.6765	10.340	6.360	256	17.62	2.722	28.08	10.44	256
27.10	.9.499	.6629	10.920	7.570	252	23.94	3.052	32.81	15.99	252
27.20	.10.699	.6610	12.100	8.780	250	32.12	3.512	41.43	24.23	250
27.30	.11.988	.6769	13.710	10.000	245	42.72	4.198	53.05	31.13	245
27.40	.13.482	.7159	15.100	11.370	210	57.28	5.376	71.68	39.74	210
27.50	.14.980	.7449	16.750	13.250	53	75.02	6.751	88.49	52.41	53
27.60	.16.000	n/a	n/a	n/a	1	93.26	n/a	n/a	n/a	1

DELTA DH						ACC. POT.				
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	12.986	.4406	13.354	12.498	3	13.302	.6465	14.016	12.756	3
23.20	12.972	.3778	13.465	12.333	11	13.292	.4319	13.981	12.744	11
23.40	12.828	.3149	13.561	12.096	21	13.263	.3711	13.937	12.729	21
23.60	12.615	.3541	13.299	11.785	30	13.163	.4127	13.888	11.892	30
23.80	12.503	.4508	13.249	11.630	52	13.103	.3801	13.832	11.883	52
24.00	12.435	.3553	13.350	11.525	77	13.048	.3731	13.795	11.869	77
24.20	12.324	.3452	13.157	11.434	105	13.048	.3657	13.929	11.850	105
24.40	12.224	.3779	13.309	11.356	126	12.994	.3827	13.864	11.826	126
24.60	12.132	.3985	13.433	11.243	155	12.945	.3946	13.795	11.798	155
24.80	11.975	.3971	13.366	11.006	210	12.890	.3825	13.736	11.768	210
25.00	11.746	.4063	13.515	10.795	210	12.860	.3807	13.676	11.729	210
25.20	11.409	.3816	13.180	10.468	227	12.794	.3727	13.589	11.681	227
25.40	11.032	.3544	12.576	10.158	239	12.686	.3623	13.538	11.619	239
25.60	10.715	.3263	11.718	10.008	239	12.553	.3442	13.368	11.542	239
25.80	10.457	.3214	11.588	9.789	239	12.399	.3276	13.165	11.443	239
26.00	10.192	.3107	11.340	9.564	239	12.224	.3116	13.277	11.325	239
26.20	9.878	.2997	11.049	9.162	239	12.023	.2958	12.793	11.187	239
26.40	9.405	.2643	10.212	8.534	239	11.785	.2784	12.575	11.013	239
26.60	8.510	.2791	9.228	7.399	239	11.479	.2525	12.175	10.787	239
26.80	6.795	.3179	7.593	5.427	239	11.020	.2111	11.543	10.470	239
27.00	4.643	.2982	5.432	3.845	239	10.290	.1561	10.660	9.837	239
27.10	3.520	.2922	4.326	2.694	239	9.799	.1252	10.095	9.412	239
27.20	2.322	.2937	3.042	1.430	239	9.212	.0934	9.458	8.891	239
27.30	1.019	.4224	1.982	1.243	238	8.505	.0578	8.614	8.289	238
27.40	-0.449	.3866	0.932	-1.555	210	7.649	.0236	7.699	7.535	210
27.50	-1.968	.4587	-0.291	-2.775	53	6.583	.0515	6.750	6.490	53
27.60	-3.406	n/a	n/a	n/a	1	5.423	n/a	n/a	n/a	1

OXYGEN						SOUND				
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	1505	6.7	1513	1501	3
23.20	5.98	n/a	n/a	n/a	1	1499	12.2	1510	1475	12
23.40	6.60	.557	7.34	5.90	15	1499	10.6	1509	1476	25
23.60	6.73	.423	7.25	6.06	6	1498	9.0	1507	1477	32
23.80	6.76	.358	7.18	6.18	14	1497	7.5	1505	1477	54
24.00	6.64	.410	7.11	5.96	14	1496	6.8	1504	1477	82
24.20	6.62	.335	7.14	6.02	19	1494	5.7	1503	1478	113
24.40	6.59	.346	7.19	6.04	22	1492	4.8	1500	1477	136
24.60	6.48	.425	7.16	5.22	26	1489	4.2	1497	1476	167
24.80	6.36	.526	7.23	4.48	27	1487	3.5	1494	1476	196
25.00	6.21	.572	6.92	3.81	36	1485	2.8	1491	1476	241
25.20	6.00	.657	6.83	3.32	39	1483	2.4	1490	1477	261
25.40	5.56	.678	6.80	3.48	39	1482	2.4	1489	1476	276
25.60	5.04	.614	6.29	3.31	39	1482	2.4	1488	1476	276
25.80	4.51	.491	5.49	2.73	39	1481	2.2	1489	1477	275
26.00	4.99	.343	5.04	2.50	39	1482	1.9	1488	1477	275
26.20	3.71	.550	4.72	1.10	39	1482	1.7	1487	1478	275
26.40	3.25	.387	4.43	2.58	39	1481	1.3	1485	1478	275
26.60	2.79	.364	3.67	2.28	39	1478	1.0	1483	1477	275
26.80	1.77	.152	2.12	1.55	39	1477	.8	1480	1474	256
27.00	.82	.095	1.09	.53	38	1478	.8	1480	1476	252
27.10	.57	.094	.90	.43	37	1478	.7	1481	1477	250
27.20	.42	.098	.78	.28	36	1479	.7	1481	1478	245
27.30	.36	.089	.70	.21	36	1481	.7	1482	1478	210
27.40	.41	.094	.69	.28	36	1482	.8	1484	1481	53
27.50	.53	.068	.64	.46	6	1485	n/a	n/a	n/a	1
27.60	n/a	n/a	n/a	n/a	0	1485	n/a	n/a	n/a	1

Table 15. Statistics of TEMPERATURE, SALINITY, DEPTH, SVA, THETA, SVA (THETA), DELTA D, POT. ENERGY, DELTA DH, ACC. POT., OXYGEN AND SOUND on σ_t -surfaces, by month, Station 3 (P04).

Table 15 :

STATION MP04 J A N U A R Y 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	30.694	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	31.023	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	31.349	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	31.650	n/a	n/a	n/a	0	
23.80	8.80	n/a	n/a	n/a	1	31.930	n/a	n/a	n/a	1	
24.00	8.03	n/a	n/a	n/a	1	32.057	n/a	n/a	n/a	1	
24.20	9.24	n/a	n/a	n/a	1	32.308	n/a	n/a	n/a	1	
24.40	9.44	n/a	n/a	n/a	1	32.497	n/a	n/a	n/a	1	
24.60	9.63	n/a	n/a	n/a	1	32.689	n/a	n/a	n/a	1	
24.80	9.18	.870	n/a	8.57	2	32.914	n/a	n/a	n/a	1	
25.00	9.21	.296	n/a	8.85	2	33.145	n/a	n/a	n/a	1	
25.20	8.85	.384	n/a	7.93	17	33.207	n/a	n/a	n/a	1	
25.40	5.51	.598	n/a	7.03	20	33.262	n/a	n/a	n/a	1	
25.60	3.35	.530	n/a	7.27	20	33.318	n/a	n/a	n/a	1	
25.80	8.24	.409	n/a	7.48	20	33.357	n/a	n/a	n/a	1	
26.00	8.06	.278	n/a	7.56	20	33.397	n/a	n/a	n/a	1	
26.20	7.88	.235	n/a	7.46	20	33.443	n/a	n/a	n/a	1	
26.40	7.63	.131	n/a	7.39	20	33.484	n/a	n/a	n/a	1	
26.60	7.02	.135	n/a	6.80	20	33.526	n/a	n/a	n/a	1	
26.80	5.85	.134	n/a	5.62	18	33.567	n/a	n/a	n/a	1	
27.00	4.86	.106	n/a	4.69	18	33.599	n/a	n/a	n/a	1	
27.10	4.56	.081	n/a	4.34	18	33.635	n/a	n/a	n/a	1	
27.20	4.18	.095	n/a	4.07	18	33.671	n/a	n/a	n/a	1	
27.30	3.82	.087	n/a	3.72	17	33.706	n/a	n/a	n/a	1	
27.40	3.40	.111	n/a	3.23	14	33.734	n/a	n/a	n/a	1	
27.50	3.22	n/a	n/a	n/a	0	33.764	n/a	n/a	n/a	1	
27.60	n/a	n/a	n/a	n/a	0	33.793	n/a	n/a	n/a	0	
DEPTH						SVA					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	411.2	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	392.0	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	372.8	n/a	n/a	n/a	0	
23.60	16	n/a	n/a	n/a	1	353.7	n/a	n/a	n/a	1	
23.80	21	n/a	n/a	n/a	1	334.8	n/a	n/a	n/a	1	
24.00	23	n/a	n/a	n/a	1	316.1	n/a	n/a	n/a	1	
24.20	25	n/a	n/a	n/a	1	305	n/a	n/a	n/a	1	
24.40	26	n/a	n/a	n/a	1	297.4	n/a	n/a	n/a	1	
24.60	29	n/a	n/a	n/a	1	289.6	n/a	n/a	n/a	1	
24.80	40	n/a	n/a	n/a	1	278.6	n/a	n/a	n/a	1	
25.00	59	16.7	n/a	18	29	259.7	n/a	n/a	n/a	1	
25.20	59	11.5	n/a	43	17	240.8	n/a	n/a	n/a	1	
25.40	67	12.5	n/a	89	20	221.9	n/a	n/a	n/a	1	
25.60	76	12.6	n/a	100	20	203.1	n/a	n/a	n/a	1	
25.80	85	12.8	n/a	107	20	184.4	n/a	n/a	n/a	1	
26.00	98	12.7	n/a	128	20	166.0	n/a	n/a	n/a	1	
26.20	116	12.4	n/a	151	20	148.0	n/a	n/a	n/a	1	
26.40	152	17.5	n/a	186	20	130.2	n/a	n/a	n/a	1	
26.60	228	32.2	n/a	305	20	103.4	n/a	n/a	n/a	1	
26.80	365	39.7	n/a	458	308	94.6	n/a	n/a	n/a	1	
27.00	531	28.0	n/a	582	491	85.7	n/a	n/a	n/a	1	
27.10	630	23.0	n/a	677	588	76.8	n/a	n/a	n/a	1	
27.20	751	24.0	n/a	792	703	67.5	n/a	n/a	n/a	1	
27.30	885	23.0	n/a	928	846	58.4	n/a	n/a	n/a	1	
27.40	1061	43.0	n/a	1112	948	49.7	n/a	n/a	n/a	1	
27.50	1125	n/a	n/a	n/a	1	37.1	n/a	n/a	n/a	1	
27.60	n/a	n/a	n/a	n/a	0	36.4	n/a	n/a	n/a	0	
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	410.2	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	389.0	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	367.9	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	348.6	n/a	n/a	n/a	0	
23.80	8.80	8.02	n/a	n/a	1	330.6	n/a	n/a	n/a	1	
24.00	9.24	n/a	n/a	n/a	1	314.7	n/a	n/a	n/a	1	
24.20	9.44	n/a	n/a	n/a	1	296.3	n/a	n/a	n/a	1	
24.40	9.63	n/a	n/a	n/a	1	276.9	n/a	n/a	n/a	1	
24.60	9.18	.877	n/a	8.86	2	257.9	n/a	n/a	n/a	1	
25.00	9.21	.295	n/a	5.88	20	238.8	n/a	n/a	n/a	1	
25.20	8.84	.383	n/a	2.9	17	220.0	n/a	n/a	n/a	1	
25.40	5.50	.598	n/a	3.38	20	201.1	n/a	n/a	n/a	1	
25.60	3.35	.530	n/a	1.01	20	182.2	n/a	n/a	n/a	1	
26.00	2.05	.409	n/a	0.99	20	163.3	n/a	n/a	n/a	1	
26.20	7.87	.235	n/a	0.85	20	144.3	n/a	n/a	n/a	1	
26.40	7.62	.128	n/a	0.84	20	125.1	n/a	n/a	n/a	1	
26.60	7.00	.135	n/a	0.79	20	106.1	n/a	n/a	n/a	1	
26.80	5.81	.132	n/a	0.64	18	96.6	n/a	n/a	n/a	1	
27.00	4.81	.106	n/a	0.99	18	87.1	n/a	n/a	n/a	1	
27.10	4.45	.083	n/a	0.57	18	77.6	n/a	n/a	n/a	1	
27.20	4.13	.091	n/a	0.42	18	68.0	n/a	n/a	n/a	1	
27.30	3.76	.089	n/a	0.62	14	58.4	n/a	n/a	n/a	1	
27.40	3.32	.113	n/a	3.61	11	n/a	n/a	n/a	n/a	1	
27.50	3.14	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	410.2	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	389.0	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	367.9	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	348.6	n/a	n/a	n/a	0	
23.80	8.80	8.02	n/a	n/a	1	330.6	n/a	n/a	n/a	1	
24.00	9.24	n/a	n/a	n/a	1	314.7	n/a	n/a	n/a	1	
24.20	9.44	n/a	n/a	n/a	1	296.3	n/a	n/a	n/a	1	
24.40	9.63	n/a	n/a	n/a	1	276.9	n/a	n/a	n/a	1	
24.60	9.18	.877	n/a	8.86	2	257.9	n/a	n/a	n/a	1	
25.00	9.21	.295	n/a	5.88	20	238.8	n/a	n/a	n/a	1	
25.20	8.84	.383	n/a	2.9	17	220.0	n/a	n/a	n/a	1	
25.40	5.50	.598	n/a	3.38	20	201.1	n/a	n/a	n/a	1	
25.60	3.35	.530	n/a	1.01	20	182.2	n/a	n/a	n/a	1	
26.00	2.05	.409	n/a	0.99	20	163.3	n/a	n/a	n/a	1	
26.20	7.87	.235	n/a	0.85	20	144.3	n/a	n/a	n/a	1	
26.40	7.62	.128	n/a	0.84	20	125.1	n/a	n/a	n/a	1	
26.60	7.00	.135	n/a	0.79	20	106.1	n/a	n/a	n/a	1	
26.80	5.81	.132	n/a	0.64	18	96.6	n/a	n/a	n/a	1	
27.00	4.81	.106	n/a	0.99	18	87.1	n/a	n/a	n/a	1	
27.10	4.45	.083	n/a	0.57	18	77.6	n/a	n/a	n/a	1	
27.20	4.13	.091	n/a	0.42	18	68.0	n/a	n/a	n/a	1	
27.30	3.76	.089	n/a	0.62	14	58.4	n/a	n/a	n/a	1	
27.40	3.32	.113	n/a	3.61	11	n/a	n/a	n/a	n/a	1	
27.50	3.14	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

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DELTA D						POT. ENERGY							
SIGMA	-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.80		.680	n/a	n/a	n/a	0	.06	n/a	n/a	n/a	0		
24.00		.890	n/a	n/a	n/a	0	.10	n/a	n/a	n/a	0		
24.20		.960	n/a	n/a	n/a	0	.11	n/a	n/a	n/a	0		
24.40		.0200	n/a	n/a	n/a	0	.13	n/a	n/a	n/a	0		
24.60		1.080	n/a	n/a	n/a	0	.14	n/a	n/a	n/a	0		
24.80		1.030	.1414	1.130	.930	2	.15	.014	.16	.14	2		
25.00		.279	.5375	2.150	.560	0	.30	.229	.77	.05	0		
25.20		1.754	.3634	2.390	1.300	17	.54	.217	.96	.29	17		
25.40		1.957	.3973	2.690	1.330	20	.68	.257	1.21	.35	20		
25.60		2.178	.4019	2.970	1.630	20	.85	.288	1.48	.48	20		
25.80		2.388	.4083	3.110	1.780	20	1.02	.315	1.63	.58	20		
26.00		2.668	.4010	3.420	2.620	20	1.28	.350	2.10	.75	20		
26.20		.009	.3727	3.870	2.360	20	1.65	.375	2.74	1.04	20		
26.40		6.648	.3960	4.470	2.960	20	2.54	.537	3.78	1.55	20		
26.60		4.846	.5536	6.160	4.050	20	4.93	.313	8.27	3.27	20		
26.80		6.779	.6069	8.110	5.720	18	10.78	.357	16.54	7.48	18		
27.00		8.819	.4876	9.720	8.020	18	22.07	.335	24.65	16.95	18		
27.10		9.887	.4213	10.760	9.340	18	26.44	.258	30.49	22.98	18		
27.20		11.099	.3683	11.870	10.590	18	35.03	.332	38.81	30.57	18		
27.30		12.318	.3345	13.140	11.760	17	45.28	.346	50.04	41.34	17		
27.40		13.780	.4303	14.510	12.700	14	59.82	.987	64.28	49.75	14		
27.50		13.980	n/a	n/a	n/a	1	63.34	n/a	n/a	n/a	1		
27.60		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
SIGMA	-T.	DELTA DH						ACC. POT.					
SIGMA	-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60		12.642	n/a	n/a	n/a	0	13.315	n/a	n/a	n/a	0		
24.00		12.433	n/a	n/a	n/a	0	13.275	n/a	n/a	n/a	0		
24.20		12.368	n/a	n/a	n/a	0	13.232	n/a	n/a	n/a	0		
24.40		12.306	n/a	n/a	n/a	0	13.186	n/a	n/a	n/a	0		
24.60		12.248	n/a	n/a	n/a	0	13.137	n/a	n/a	n/a	0		
24.80		12.015	.2525	12.193	11.836	2	12.915	.2418	13.086	12.744	2		
25.00		11.985	.5718	12.714	11.124	8	13.157	.2693	13.519	12.677	8		
25.20		11.527	.3542	12.039	10.877	14	13.124	.2796	13.589	12.590	14		
25.40		11.257	.3927	11.964	10.585	16	12.988	.2604	13.433	12.497	16		
25.60		11.026	.4030	11.664	10.301	16	12.854	.2585	13.279	12.389	16		
25.80		10.804	.3806	11.474	10.159	16	12.702	.2562	13.141	12.272	16		
26.00		10.511	.3564	11.233	9.979	16	12.530	.2534	12.977	12.142	16		
26.20		10.172	.3228	10.900	9.686	16	12.330	.2513	12.781	11.975	16		
26.40		9.513	.2346	10.110	9.176	16	12.087	.2437	12.552	11.764	16		
26.60		8.256	.3411	8.787	7.411	16	11.746	.2682	12.175	11.436	16		
26.80		6.397	.4461	7.054	5.427	16	11.212	.1425	11.485	10.960	16		
27.00		4.374	.2856	4.752	3.851	16	10.402	.0803	10.540	10.231	16		
27.10		3.307	.2334	3.644	2.916	16	9.884	.0559	9.987	9.752	16		
27.20		2.083	.2069	2.499	1.677	16	9.275	.0421	9.338	9.182	16		
27.30		0.882	.1925	1.195	.536	14	8.538	.0286	8.580	8.474	16		
27.40		-0.560	.3467	.322	-0.970	14	7.660	.0178	7.699	7.636	14		
27.50		-0.952	n/a	n/a	n/a	1	6.714	n/a	n/a	n/a	1		
27.60		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
SIGMA	-T.	OXYGEN						SOUND					
SIGMA	-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.00		n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	0		
24.20		n/a	n/a	n/a	n/a	0	1482	n/a	n/a	n/a	0		
24.40		n/a	n/a	n/a	n/a	0	1483	n/a	n/a	n/a	0		
24.60		n/a	n/a	n/a	n/a	0	1484	n/a	n/a	n/a	0		
24.80		6.556	n/a	n/a	n/a	0	1485	3.159	1487	1482	2		
25.00		6.01	n/a	n/a	n/a	0	1485	1.030	1486	1483	9		
25.20		5.38	n/a	n/a	n/a	0	1484	1.6	1486	1480	17		
25.40		4.838	n/a	n/a	n/a	0	1483	2.4	1486	1477	20		
25.60		4.411	n/a	n/a	n/a	0	1483	2.2	1485	1478	20		
25.80		4.01	n/a	n/a	n/a	0	1483	1.7	1486	1480	20		
26.00		3.655	n/a	n/a	n/a	0	1483	1.1	1485	1480	20		
26.20		2.599	n/a	n/a	n/a	0	1482	0.8	1484	1481	20		
26.40		2.084	n/a	n/a	n/a	0	1481	0.9	1483	1480	20		
26.60		1.03	n/a	n/a	n/a	0	1479	0.7	1481	1478	18		
27.00		.78	n/a	n/a	n/a	0	1478	0.4	1479	1478	18		
27.20		.70	n/a	n/a	n/a	0	1479	0.6	1481	1478	18		
27.30		.56	n/a	n/a	n/a	0	1480	0.5	1481	1479	17		
27.40		n/a	n/a	n/a	n/a	0	1482	0.6	1482	1480	14		
27.50		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
27.60		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		

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TEMPERATURE					SALINITY					
SIGMA-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	8.48	1.160	9.30	7.66	224	31.733	.1125	31.812	31.653	244
24.80	7.83	1.011	9.30	7.16	44	31.845	.1792	32.067	31.678	49
25.00	8.03	0.844	9.45	7.21	120	32.087	.1572	32.353	31.932	120
25.20	8.45	0.978	10.30	7.22	120	32.419	.1886	32.790	32.187	190
25.40	22	0.755	10.04	6.87	199	32.628	.1446	32.990	32.382	190
25.60	21	0.507	9.48	7.22	100	32.883	.0932	33.128	32.726	100
25.80	23	0.416	9.14	7.53	100	33.144	.0769	33.317	33.041	100
26.00	14	0.347	8.71	7.59	199	33.379	.0641	33.486	33.282	190
26.20	7.89	0.329	8.38	7.16	199	33.585	.0605	33.677	33.455	190
26.40	7.61	0.269	8.97	7.04	199	33.787	.0487	33.853	33.685	190
26.60	6.92	0.188	7.21	6.56	199	33.919	.0323	33.970	33.858	190
26.80	5.83	0.105	6.60	5.67	199	33.993	.0174	34.019	33.967	190
27.00	4.84	0.095	5.00	4.58	199	34.098	.0138	34.121	34.060	180
27.10	4.48	0.164	4.61	4.14	188	34.172	.0147	34.191	34.127	180
27.20	4.15	0.081	4.25	3.95	188	34.255	.0107	34.268	34.229	180
27.30	3.79	0.074	3.91	3.65	17	34.334	.0097	34.350	34.316	14
27.40	3.36	0.099	3.53	3.22	14	34.407	.0112	34.427	34.390	14
27.50	2.92	n/a	n/a	n/a	1	34.481	n/a	n/a	n/a	1
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
DEPTH					SVA					
SIGMA-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	13	1.14	29	13	224	334.8	.16	334.9	334.7	244
24.80	28	17.1	54	30	20	334.9	.25	316.2	315.6	0
25.00	52	22.4	81	10	120	334.9	.30	297.6	296.7	120
25.20	71	18.2	98	37	100	334.9	.43	279.0	277.8	100
25.40	84	16.9	104	47	100	334.9	.32	260.3	259.2	100
25.60	93	16.2	117	62	100	334.9	.29	241.4	240.3	100
25.80	105	16.8	134	74	100	334.9	.30	222.7	221.6	100
26.00	124	19.1	164	87	100	334.9	.31	203.9	202.7	100
26.20	158	22.1	210	120	100	334.9	.35	185.4	184.0	100
26.40	222	25.5	266	175	100	334.9	.38	167.0	165.5	100
26.80	348	32.5	395	284	100	334.9	.40	148.5	147.2	100
27.00	526	30.1	584	467	100	334.9	.39	130.8	129.2	100
27.10	619	32.4	680	558	100	334.9	.36	112.8	111.5	100
27.20	740	36	815	698	100	334.9	.36	103.8	102.6	100
27.30	877	41	963	816	17	334.9	.28	86.1	85.2	17
27.40	1058	50	1159	995	14	334.9	.21	77.0	76.3	14
27.50	1180	n/a	n/a	n/a	0	334.9	n/a	n/a	n/a	0
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
THETA					SVA (THETA)					
SIGMA-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	8.48	1.160	9.30	7.66	224	328.8	.792	334.4	323.2	224
24.80	7.83	1.011	9.30	7.16	244	328.8	.510	315.6	304.5	0
25.00	8.03	0.842	9.45	7.21	120	328.8	1.03	296.1	293.4	120
25.20	8.44	0.977	10.29	7.21	100	328.8	.29	277.5	276.6	100
25.40	8.21	0.752	10.03	6.87	100	328.8	.31	258.5	257.5	100
25.60	8.20	0.507	9.47	7.21	100	328.8	.59	239.5	237.3	100
25.80	8.23	0.415	9.13	7.53	100	328.8	.73	220.4	218.0	100
26.00	8.13	0.347	8.70	7.58	100	328.8	.42	201.4	199.8	100
26.20	7.88	0.329	8.37	7.15	100	328.8	.16	182.4	181.9	100
26.40	7.59	0.267	7.95	7.03	100	328.8	.09	163.4	163.1	100
26.60	6.90	0.187	7.19	6.54	100	328.8	.07	144.4	144.1	100
26.80	5.80	0.164	5.97	5.64	100	328.8	.15	125.3	124.8	100
27.00	4.80	0.094	4.96	4.54	100	328.8	.09	106.3	106.0	100
27.10	4.43	0.104	4.56	4.09	100	328.8	.07	96.7	96.5	100
27.20	4.09	0.080	4.20	3.90	100	328.8	.05	87.2	87.1	100
27.30	3.73	0.075	3.84	3.58	17	328.8	.05	77.6	77.5	17
27.40	3.28	0.101	3.45	3.14	14	328.8	.06	68.1	67.9	14
27.50	2.84	n/a	n/a	n/a	0	328.8	n/a	n/a	n/a	0
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP04 FEBRUARY 1956 to 1990

SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	.180	.1980	.320	.040	2	.01	.014	.02	.00	2
24.80	.440	.3804	.970	.110	4	.04	.065	.14	.00	4
25.00	.879	.5384	1.720	.170	2	.16	.172	.46	.00	2
25.20	1.540	.6634	2.460	.300	12	.47	.337	.97	.01	12
25.40	2.023	.5542	2.820	.970	1	.77	.363	1.41	.18	1
25.60	2.343	.4984	2.980	1.360	19	1.02	.375	1.57	.32	19
25.80	2.565	.4852	2.230	1.690	19	1.22	.411	1.85	.51	19
26.00	2.813	.4946	2.570	1.960	19	1.48	.472	2.28	.69	19
26.20	3.181	.5167	2.960	2.200	19	1.92	.584	3.14	.89	19
26.40	3.770	.5330	4.770	.790	19	2.78	.760	4.69	1.51	19
26.60	4.776	.5571	5.660	.650	19	4.74	1.087	6.85	2.81	19
26.80	6.531	.6095	7.360	.5290	19	9.88	1.813	12.56	6.57	19
27.00	8.635	.5972	9.600	.7580	18	19.21	2.402	24.18	15.01	18
27.10	9.709	.6192	10.650	8.600	18	25.47	2.845	30.99	20.26	18
27.20	10.913	.6458	12.010	9.820	18	33.89	3.530	41.43	29.30	18
27.30	12.151	.6947	13.230	11.000	17	44.27	4.377	53.05	38.26	17
27.40	13.659	.7312	14.850	12.510	14	59.14	5.726	70.73	52.36	14
27.50	14.930	n/a	n/a	n/a	1	70.19	n/a	n/a	n/a	1
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SIGMA -T.	DELTA DH					ACC. POT.				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	13.311	.1718	13.433	13.190	2	13.489	.0192	13.502	13.475	2
24.80	13.012	.3578	13.366	12.542	4	13.433	.0445	13.470	13.376	4
25.00	12.324	.4826	13.302	11.787	8	13.073	.4248	13.462	12.354	8
25.20	11.655	.6413	13.180	10.891	11	13.061	.3615	13.449	12.299	11
25.40	11.050	.5228	12.576	10.416	16	13.942	.4925	13.538	12.230	16
25.60	10.735	.3354	11.402	10.263	16	12.789	.3711	13.368	12.148	16
25.80	10.506	.3154	11.134	10.100	16	12.621	.3507	13.165	12.045	16
26.00	10.249	.2875	10.850	9.765	16	12.431	.3302	12.975	11.916	16
26.20	9.886	.2502	10.266	9.381	16	12.216	.3055	12.763	11.734	16
26.40	9.312	.2442	9.622	8.781	16	11.956	.2725	12.475	11.508	16
26.60	8.322	.2560	8.713	7.858	16	11.614	.2322	12.073	11.222	16
26.80	6.643	.2879	7.159	6.189	16	11.114	.1881	11.493	10.807	16
27.00	4.488	.2592	4.912	3.987	16	10.351	.1458	10.628	10.154	16
27.10	3.394	.2747	3.913	2.937	16	9.843	.1173	10.053	9.690	16
27.20	2.192	.3058	2.538	1.578	16	9.241	.0899	9.404	9.106	16
27.30	9.26	.3438	1.435	2.243	16	8.520	.0470	8.607	8.455	16
27.40	-0.541	.4144	-0.030	-1.377	14	8.649	.0141	7.675	7.632	14
27.50	-1.379	n/a	n/a	n/a	1	6.604	n/a	n/a	n/a	1
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	1481	4.9	1484	1477	2
24.80	6.54	n/a	n/a	n/a	1	1479	4.3	1485	1476	4
25.00	6.40	n/a	n/a	n/a	1	1480	3.4	1485	1476	9
25.20	6.25	.601	6.68	5.83	2	1482	4.3	1490	1477	12
25.40	5.36	1.294	6.27	4.44	1	1482	3.2	1488	1478	19
25.60	4.71	.579	5.19	4.23	1	1483	1.8	1487	1480	19
25.80	4.19	.219	4.35	4.04	1	1483	1.5	1486	1481	19
26.00	3.96	.156	4.07	3.85	1	1483	1.6	1485	1479	19
26.20	3.67	.021	3.68	3.65	1	1482	1.3	1484	1480	19
26.40	3.04	.035	3.07	3.02	1	1481	1.0	1482	1479	19
26.60	2.61	.219	2.76	2.45	1	1479	.7	1480	1477	19
26.80	1.68	.042	1.71	1.65	1	1478	.8	1479	1476	19
27.00	.82	.042	.85	.79	1	1478	.8	1479	1476	18
27.10	.58	.071	.63	.53	1	1478	.8	1479	1476	18
27.20	.41	.035	.44	.39	1	1479	.7	1480	1477	18
27.30	.38	.049	.42	.35	1	1480	.7	1482	1480	17
27.40	.40	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	14
27.50	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	1
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

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TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	29.737	.0000	29.738	29.736	0	
23.20	7.82	.014	7.83	7.81	2	30.016	.0111	30.027	30.005	2	
23.40	7.89	.035	7.93	7.86	1	30.310	.0238	30.337	30.292	1	
23.60	7.98	.084	8.03	7.88	1	30.604	.0097	30.614	30.597	1	
23.80	8.09	.165	8.20	7.90	1	31.860	.0376	31.901	30.828	1	
24.00	8.19	.242	8.36	7.91	1	31.116	.0694	31.159	31.036	1	
24.20	8.30	.321	8.50	7.93	1	31.466	.1292	31.662	31.306	1	
24.40	8.81	.687	8.83	7.95	1	31.718	.1086	31.904	31.610	1	
24.60	8.79	.560	8.73	8.21	1	32.020	.1026	32.186	31.893	1	
24.80	9.03	.536	8.88	8.31	1	32.322	.1412	32.564	32.048	1	
25.00	2.26	.704	10.44	7.85	13	32.538	.1404	32.750	32.185	1	
25.20	9.06	.712	10.09	7.21	17	32.747	.1329	32.937	32.453	21	
25.40	8.82	.672	9.79	7.27	21	32.979	.1203	33.144	32.724	21	
25.60	8.68	.600	9.52	7.37	21	33.205	.1101	33.402	33.990	21	
25.80	8.55	.553	9.56	7.43	21	33.426	.0961	33.605	33.249	21	
26.00	8.37	.490	9.30	7.45	21	33.630	.0749	33.750	33.465	21	
26.20	7.74	.395	8.75	7.24	21	33.812	.0458	33.887	33.721	21	
26.40	7.08	.250	8.15	7.24	21	33.947	.0272	34.005	33.903	21	
26.60	5.92	.154	7.40	6.82	21	34.009	.0301	34.101	33.958	21	
26.80	5.93	.188	6.50	5.61	21	34.103	.0201	34.165	34.074	21	
27.00	4.88	.137	5.30	4.68	21	34.170	.0146	34.196	34.141	20	
27.10	4.45	.104	4.64	4.24	20	34.251	.0153	34.273	34.207	19	
27.20	4.12	.122	4.29	3.77	19	34.331	.0104	34.349	34.309	19	
27.30	3.77	.082	3.92	3.58	19	34.407	.0121	34.429	34.378	18	
27.40	3.36	.100	3.95	3.12	18	34.481	.0099	34.493	34.472	18	
27.50	2.92	.073	3.03	2.84	6	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
DEPTH	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	468.3	.00	468.3	468.3	0	
23.20	4.4	2.1	n/a	n/a	2	449.3	.11	449.3	449.2	2	
23.40	7.7	1.7	n/a	n/a	1	430.1	.15	430.2	429.9	1	
23.60	9.9	2.1	11	7.5	1	411.0	.15	411.1	410.8	1	
23.80	11	2.6	13	8	1	391.9	.18	392.1	391.8	1	
24.00	12	3.1	15	10	1	373.0	.00	373.0	373.0	1	
24.20	14	3.5	17	10	1	354.0	.04	354.0	353.9	1	
24.40	14	3.8	19	15	1	335.0	.12	335.2	334.9	1	
24.60	19.9	4.9	27	15	1	316.1	.16	316.3	315.9	1	
24.80	24	10.4	39	27	1	297.3	.40	298.0	296.7	1	
25.00	37	20.5	69	45	13	278.7	.51	279.6	277.8	17	
25.20	62	26.7	105	75	17	259.8	.50	260.9	258.8	21	
25.40	72	25.1	122	15	21	241.0	.43	242.0	240.4	21	
25.60	84	20.8	132	51	21	222.2	.45	223.1	221.5	21	
25.80	93	20.5	138	60	21	203.4	.46	204.2	202.6	21	
26.00	106	21.7	144	71	21	184.7	.46	185.6	183.9	21	
26.20	123	24.1	166	83	21	166.1	.47	167.0	165.3	21	
26.40	153	25.3	203	112	21	147.9	.49	148.9	146.9	21	
26.60	215	42.0	282	144	21	129.9	.47	130.5	128.8	21	
26.80	333	38.4	381	225	21	112.0	.31	112.4	111.4	21	
27.00	498	31.5	538	420	21	103.0	.33	103.4	102.3	20	
27.10	595	39.1	677	522	20	94.2	.33	94.6	93.5	19	
27.20	713	45.5	825	637	19	85.3	.32	85.8	84.6	19	
27.30	846	43.5	909	763	19	76.4	.36	76.9	75.5	18	
27.40	1021	52.9	1101	895	18	67.2	.26	67.4	66.8	18	
27.50	1213	28.9	1258	1187	6	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
THETA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	468.3	.10	468.3	468.1	0	
23.20	7.82	.014	7.83	7.81	2	448.3	.16	449.1	447.0	2	
23.40	7.89	.035	7.93	7.86	1	427.5	.28	429.5	424.2	1	
23.60	7.98	.084	8.03	7.88	1	407.1	.20	408.6	404.8	1	
23.80	8.09	.163	8.20	7.90	1	389.3	.170	391.2	388.0	1	
24.00	8.18	.240	8.36	7.91	1	371.8	.81	372.7	371.3	1	
24.20	8.30	.321	8.50	7.93	1	353.0	.47	353.6	352.6	1	
24.40	8.81	.687	9.83	7.95	1	334.0	.27	334.4	333.7	1	
24.60	8.79	.563	9.73	8.20	1	315.2	.60	315.7	314.1	1	
24.80	9.03	.536	9.88	8.31	1	296.2	.44	296.5	295.1	13	
25.00	25	.703	10.43	7.85	13	277.2	.44	277.6	276.2	21	
25.20	709	10.08	11.21	7.21	21	258.0	.68	258.6	256.6	21	
25.40	671	9.77	10.26	7.26	21	238.8	.83	239.4	236.4	21	
25.60	8.67	.599	9.51	7.36	21	220.0	.73	220.4	217.8	21	
25.80	8.54	.551	9.55	7.42	21	201.0	.43	201.5	200.0	21	
26.00	8.36	.488	8.28	7.45	21	182.0	.18	182.4	181.8	21	
26.20	8.11	.393	8.74	7.23	21	163.0	.09	163.4	163.1	21	
26.40	7.73	.246	8.12	7.23	21	144.0	.10	144.4	144.0	21	
26.60	7.06	.155	7.39	6.80	21	125.0	.20	125.4	124.8	21	
26.80	5.89	.188	6.48	5.58	21	106.1	.11	106.3	105.9	21	
27.00	4.84	.138	5.26	4.63	21	96.7	.06	96.7	96.5	20	
27.10	4.41	.105	4.59	4.19	20	87.1	.07	87.2	87.0	19	
27.20	4.07	.124	4.23	3.70	19	77.6	.07	77.7	77.5	18	
27.30	3.70	.083	3.86	3.52	19	68.0	.11	68.2	67.8	18	
27.40	3.28	.102	3.47	3.04	18	58.5	.05	58.6	58.3	16	
27.50	2.84	.070	2.94	2.76	6	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	.165	.1344	.260	.070	2	.00	.007	.01	.00	2	
23.40	.327	.0681	.380	.250	1	.01	.006	.02	.01	1	
23.60	.420	.1044	.490	.300	1	.02	.010	.03	.01	1	
23.80	.480	.1153	.570	.350	1	.03	.015	.04	.01	1	
24.00	.543	.1290	.650	.400	1	.04	.015	.05	.02	1	
24.20	.600	.1473	.730	.440	1	.04	.020	.06	.02	1	
24.40	.560	.1888	.810	.380	1	.04	.023	.07	.02	1	
24.60	.727	.1862	.960	.530	1	.07	.038	.13	.04	1	
24.80	.886	.4053	1.470	.280	7	.12	.093	.27	.01	7	
25.00	.1214	.6767	2.110	.090	13	.28	.255	.74	.00	13	
25.20	.1909	.8270	.200	.250	17	.69	.491	1.70	.01	21	
25.40	.2153	.7867	.670	.390	21	.87	.532	2.24	.03	21	
25.60	.2436	.6742	3.920	1.310	21	1.07	.547	2.57	.34	21	
25.80	.664	.6663	4.050	1.530	21	1.28	.585	2.75	.46	21	
26.00	.923	.6872	4.180	1.830	21	1.54	.657	2.94	.67	21	
26.20	.3265	.7222	4.350	2.160	21	1.95	.783	3.39	.85	21	
26.40	.3788	.7402	4.950	2.620	21	2.70	.945	4.58	1.35	21	
26.60	.4760	.8213	6.210	3.030	21	4.56	1.401	7.71	2.00	21	
26.80	.6386	.8956	7.620	4.130	21	9.13	2.064	12.38	4.07	21	
27.00	.8414	.7707	9.260	6.490	21	17.71	2.361	20.74	11.81	21	
27.10	.9485	.8285	10.530	7.670	20	23.66	3.151	29.71	17.56	20	
27.20	.10635	.8877	12.040	8.780	19	31.58	4.149	41.33	24.25	19	
27.30	.11844	.8613	12.820	10.000	19	41.25	4.461	48.13	33.01	19	
27.40	.13268	.9587	14.480	11.370	18	54.88	5.848	63.67	42.06	18	
27.50	.14228	.7735	15.080	13.290	18	69.43	3.962	74.85	65.06	16	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	13.374	.0870	13.436	13.313	20	13.539	.0404	13.568	13.511	20	
23.40	13.233	.1101	13.351	13.133	20	13.550	.0462	13.593	13.501	20	
23.60	13.141	.1379	13.299	13.045	20	13.535	.0491	13.582	13.484	20	
23.80	13.077	.1491	13.249	12.986	20	13.516	.0525	13.568	13.463	20	
24.00	13.017	.1609	13.203	12.918	20	13.494	.0566	13.552	13.439	20	
24.20	12.958	.1736	13.157	12.838	20	13.469	.0605	13.534	13.414	20	
24.40	12.884	.2023	13.101	12.656	20	13.370	.2015	13.513	13.022	20	
24.60	12.593	.2718	12.981	12.165	20	13.229	.3193	13.489	12.666	20	
24.80	12.407	.2808	12.846	12.096	20	13.180	.2876	13.455	12.654	20	
25.00	12.195	.6534	13.515	11.287	11	13.024	.245	13.607	12.619	11	
25.20	11.342	.5807	12.650	10.687	15	13.052	.3849	13.491	12.042	15	
25.40	10.915	.2935	11.360	10.401	19	12.769	.4673	13.321	11.720	19	
25.60	10.631	.2171	10.962	10.203	19	12.623	.4347	13.138	11.649	19	
25.80	10.401	.2235	10.786	10.021	19	12.458	.4057	12.936	11.542	19	
26.00	10.130	.2378	10.563	9.691	19	12.273	.3754	12.695	11.418	19	
26.20	9.776	.2854	10.269	9.252	19	12.061	.3431	12.436	11.262	19	
26.40	9.243	.2899	9.672	8.659	19	11.807	.3082	12.155	11.069	19	
26.60	8.262	.3624	8.694	7.399	19	11.476	.2703	11.802	10.828	19	
26.80	6.621	.3794	7.593	5.976	19	10.989	.2247	11.291	10.506	19	
27.00	4.580	.2293	5.240	4.333	19	10.239	.1682	10.522	9.875	19	
27.10	3.553	.2948	4.059	2.937	19	9.744	.1418	9.994	9.426	19	
27.20	2.389	.3607	2.947	1.430	19	9.161	.1026	9.295	8.915	19	
27.30	1.180	.3350	1.777	.668	19	8.462	.0649	8.551	8.290	19	
27.40	-0.240	.4127	.715	-0.882	18	7.630	.0333	7.668	7.535	18	
27.50	-1.615	.2368	-1.395	-1.952	18	6.620	.0232	6.651	6.594	18	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	7.34	n/a	n/a	n/a	1	14.76	.7	14.76	14.75	2	
23.40	7.25	n/a	n/a	n/a	1	14.77	.0	14.76	14.76	2	
23.60	7.18	n/a	n/a	n/a	1	14.78	.6	14.78	14.77	2	
23.80	7.11	n/a	n/a	n/a	1	14.78	1.2	14.79	14.77	2	
24.00	7.05	n/a	n/a	n/a	1	14.79	1.2	14.80	14.78	2	
24.20	6.98	n/a	n/a	n/a	1	14.82	2.9	14.86	14.78	2	
24.40	6.86	n/a	n/a	n/a	1	14.82	2.2	14.86	14.80	2	
24.60	6.67	n/a	n/a	n/a	1	14.83	2.3	14.87	14.80	2	
24.80	6.69	.282	6.91	6.37	3	14.85	2.9	14.90	14.79	3	
25.00	6.24	.391	6.61	5.75	3	14.85	2.9	14.90	14.77	3	
25.20	5.51	.397	5.90	4.94	3	14.84	2.8	14.89	14.78	2	
25.40	4.88	.460	5.33	4.17	3	14.84	2.6	14.88	14.78	2	
25.60	4.39	.358	4.74	3.85	3	14.84	2.1	14.89	14.79	2	
25.80	3.90	.292	4.20	3.50	3	14.84	1.9	14.87	14.80	2	
26.00	3.42	.214	3.66	2.20	3	14.83	1.2	14.85	14.81	2	
26.20	2.93	.197	3.15	2.74	3	14.81	.9	14.83	14.80	2	
26.40	2.48	.157	2.66	2.30	3	14.79	.9	14.80	14.77	2	
26.60	1.66	.064	1.74	1.56	3	14.77	.6	14.78	14.76	2	
26.80	.85	.059	.92	.77	3	14.78	.7	14.79	14.76	2	
27.00	.63	.080	.75	.53	3	14.78	.8	14.79	14.77	2	
27.20	.49	.083	.59	.37	3	14.79	.7	14.80	14.78	2	
27.30	.37	.043	.43	.32	3	14.80	.9	14.82	14.78	2	
27.40	.44	.143	.68	.33	3	14.82	n/a	14.82	14.81	2	
27.50	.51	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

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TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	8.17	n/a	n/a	n/a	0	8.825	n/a	n/a	n/a	0	
24.20	8.79	.762	9.99	7.25	7.91	8.201	n/a	n/a	n/a	0	
24.40	8.61	.798	9.73	7.60	7.38	8.435	n/a	n/a	n/a	0	
24.60	8.62	.877	9.72	7.37	7.37	8.690	n/a	n/a	n/a	0	
24.80	8.54	.782	8.88	7.23	7.23	8.934	n/a	n/a	n/a	0	
25.00	8.49	.740	10.02	7.02	7.02	9.178	n/a	n/a	n/a	0	
25.20	8.31	.619	9.60	7.28	7.28	9.396	n/a	n/a	n/a	0	
25.40	8.08	.510	9.26	7.34	7.34	9.603	n/a	n/a	n/a	0	
25.60	7.92	.413	7.88	7.66	7.66	9.853	n/a	n/a	n/a	0	
25.80	7.93	.347	5.88	7.36	7.36	1.0763	n/a	n/a	n/a	0	
26.00	7.83	.376	8.88	7.37	7.37	1.0620	n/a	n/a	n/a	0	
26.20	7.72	.311	8.65	7.41	7.41	1.0702	n/a	n/a	n/a	0	
26.40	7.46	.233	8.13	7.22	7.22	1.0555	n/a	n/a	n/a	0	
26.60	6.93	.102	7.13	6.83	6.83	1.0420	n/a	n/a	n/a	0	
26.80	5.90	.178	6.30	5.64	5.64	1.0182	n/a	n/a	n/a	0	
27.00	4.87	.111	5.16	4.73	4.73	1.0055	n/a	n/a	n/a	0	
27.10	4.49	.099	4.69	4.37	4.37	1.0282	n/a	n/a	n/a	0	
27.20	4.17	.093	4.31	4.02	4.02	1.0165	n/a	n/a	n/a	0	
27.30	3.81	.086	3.93	3.66	3.66	1.0144	n/a	n/a	n/a	0	
27.40	3.43	.049	2.51	2.36	2.36	1.0258	n/a	n/a	n/a	0	
27.50	2.91	.044	2.99	2.08	2.08	1.0109	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	n/a	1.0415	n/a	n/a	n/a	0	
						1.0480	n/a	n/a	n/a	0	
						n/a	n/a	n/a	n/a	0	
SIGMA DEPTH	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	18.99	6.22	25	13	13	392.0	n/a	n/a	n/a	0	
24.20	21.6	7.7	32	14	14	373.1	n/a	n/a	n/a	0	
24.40	23.6	6.8	34	12	12	354.1	n/a	n/a	n/a	0	
24.60	26.8	8.1	36	16	16	335.1	n/a	n/a	n/a	0	
25.00	33.7	7.7	49	16	16	316.1	n/a	n/a	n/a	0	
25.20	46.6	14.4	84	19	19	297.1	n/a	n/a	n/a	0	
25.40	66.6	15.4	94	25	25	278.3	n/a	n/a	n/a	0	
25.60	88.0	12.8	105	22	22	259.6	n/a	n/a	n/a	0	
26.00	89.9	14.2	114	76	76	240.8	n/a	n/a	n/a	0	
26.20	114.2	15.7	124	79	79	221.9	n/a	n/a	n/a	0	
26.40	139.0	16.2	141	95	95	203.1	n/a	n/a	n/a	0	
26.60	192.0	15.0	161	117	117	184.4	n/a	n/a	n/a	0	
26.80	319.0	19.7	233	164	164	165.8	n/a	n/a	n/a	0	
27.00	491.0	24.2	346	274	274	147.4	n/a	n/a	n/a	0	
27.10	586.0	35.5	656	437	437	129.6	n/a	n/a	n/a	0	
27.20	703.0	35.9	781	642	642	111.9	n/a	n/a	n/a	0	
27.30	840.0	40.7	918	781	781	103.0	n/a	n/a	n/a	0	
27.40	1015.0	46.3	1085	938	938	94.2	n/a	n/a	n/a	0	
27.50	1249.0	33.9	1290	1197	1197	85.5	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	n/a	76.5	n/a	n/a	n/a	0	
						67.4	n/a	n/a	n/a	0	
SIGMA THETA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	8.17	n/a	n/a	n/a	0	391.7	n/a	n/a	n/a	0	
24.20	8.79	.759	9.24	7.91	7.91	372.6	n/a	n/a	n/a	0	
24.40	8.60	.803	9.33	7.59	7.59	353.1	n/a	n/a	n/a	0	
24.60	8.62	.876	9.72	7.48	7.48	334.7	n/a	n/a	n/a	0	
24.80	8.54	.784	8.88	7.32	7.32	315.9	n/a	n/a	n/a	0	
25.00	8.48	.740	10.01	7.28	7.28	295.6	n/a	n/a	n/a	0	
25.20	8.30	.618	5.59	7.24	7.24	276.8	n/a	n/a	n/a	0	
25.40	8.08	.509	2.25	7.45	7.45	258.2	n/a	n/a	n/a	0	
25.60	8.02	.419	2.77	7.35	7.35	238.7	n/a	n/a	n/a	0	
25.80	7.92	.347	5.57	7.35	7.35	219.8	n/a	n/a	n/a	0	
26.00	7.82	.375	8.87	7.46	7.46	201.1	n/a	n/a	n/a	0	
26.20	7.76	.399	6.63	7.40	7.40	182.1	n/a	n/a	n/a	0	
26.40	7.45	.232	1.11	7.20	7.20	163.3	n/a	n/a	n/a	0	
26.60	6.91	1.02	7.11	6.81	6.81	144.3	n/a	n/a	n/a	0	
26.80	4.88	1.79	6.28	5.61	5.61	125.2	n/a	n/a	n/a	0	
27.00	4.83	1.11	5.11	4.69	4.69	106.1	n/a	n/a	n/a	0	
27.10	4.45	.097	4.64	4.33	4.33	96.6	n/a	n/a	n/a	0	
27.20	4.12	.090	4.25	3.97	3.97	87.1	n/a	n/a	n/a	0	
27.30	3.35	.086	3.87	3.60	3.60	77.6	n/a	n/a	n/a	0	
27.40	2.82	.051	3.44	2.29	2.29	68.0	n/a	n/a	n/a	0	
27.50	2.82	.049	2.91	n/a	n/a	58.5	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	
SIGMA (THETA)	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	391.7	31	372.0	31	31	372.0	n/a	n/a	n/a	0	
24.20	373.1	70	353.1	70	70	353.1	n/a	n/a	n/a	0	
24.40	354.1	87	334.7	87	87	334.7	n/a	n/a	n/a	0	
24.60	335.9	1.03	315.7	1.03	1.03	315.7	n/a	n/a	n/a	0	
25.00	316.1	1.02	296.5	1.02	1.02	296.5	n/a	n/a	n/a	0	
25.20	297.6	82	277.6	82	82	277.6	n/a	n/a	n/a	0	
25.40	296.9	50	275.3	50	50	275.3	n/a	n/a	n/a	0	
25.60	295.5	90	275.3	90	90	275.3	n/a	n/a	n/a	0	
25.80	294.5	76	275.3	76	76	275.3	n/a	n/a	n/a	0	
26.00	293.5	34	275.3	34	34	275.3	n/a	n/a	n/a	0	
26.20	292.5	27	275.3	27	27	275.3	n/a	n/a	n/a	0	
26.40	291.5	13	275.3	13	13	275.3	n/a	n/a	n/a	0	
26.60	290.5	07	275.3	07	07	275.3	n/a	n/a	n/a	0	
26.80	289.5	09	275.3	09	09	275.3	n/a	n/a	n/a	0	
27.00	288.5	07	275.3	07	07	275.3	n/a	n/a	n/a	0	
27.20	287.5	07	275.3	07	07	275.3	n/a	n/a	n/a	0	
27.40	286.5	03	275.3	03	03	275.3	n/a	n/a	n/a	0	
27.60	285.5	10	275.3	10	10	275.3	n/a	n/a	n/a	0	
27.80	284.5	00	275.3	00	00	275.3	n/a	n/a	n/a	0	
28.00	283.5	n/a	275.3	n/a	n/a	275.3	n/a	n/a	n/a	0	

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DELTA D					POT. ENERGY					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	.350	.2346	.960	.510	13	.02	.07	.12	.03	0
24.20	.697	.2829	1.190	.520	13	.10	.065	.19	.04	0
24.40	.814	.2829	1.280	.420	13	.11	.060	.23	.03	0
24.60	.846	.2576	1.340	.400	13	.13	.074	.25	.02	0
24.80	.919	.2982	1.610	.560	13	.19	.083	.39	.05	0
25.00	1.095	.2628	1.640	.650	14	.37	.238	1.09	.06	14
25.20	1.488	.4387	2.930	1.020	15	.67	.299	1.36	.16	15
25.40	1.989	.4773	2.180	1.790	15	.92	.309	1.62	.56	15
25.60	2.346	.4163	4.180	1.950	15	1.12	.367	1.87	.69	15
25.80	2.561	.4544	4.100	2.060	15	1.32	.426	2.12	.82	15
26.00	2.773	.4799	3.610	2.480	15	1.65	.476	2.49	1.11	15
26.20	.072	.4682	3.880	2.890	15	2.22	.489	2.98	1.57	15
26.40	.514	.4134	4.210	3.770	15	7.61	.696	4.89	2.66	15
26.60	4.325	.4090	4.940	3.770	15	7.83	1.184	9.55	2.22	15
26.80	5.968	.4734	6.720	5.290	15	16.94	2.462	23.27	13.23	15
27.00	8.193	.5958	9.520	7.380	15	22.62	2.549	28.24	18.17	15
27.10	9.221	.5649	10.300	8.370	15	36.27	.272	37.44	24.85	15
27.20	10.374	.6018	11.550	9.480	15	40.21	4.085	48.40	34.18	15
27.30	11.625	.6439	12.800	10.760	15	53.77	5.241	62.53	46.03	15
27.40	13.006	.6756	14.170	12.050	10	72.87	8.893	76.54	66.33	15
27.50	14.666	.4674	15.130	13.940	10	n/a	n/a	n/a	n/a	0
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

DELTA DH					ACC. POT.					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	13.408	.3403	13.388	12.738	11
24.00	13.066	.5741	12.907	11.803	13	13.121	.3864	13.359	12.398	11
24.20	12.446	.4640	12.774	11.737	13	12.929	.4208	13.443	12.361	11
24.40	12.164	.4176	12.678	11.663	13	12.882	.3894	13.386	12.316	11
24.60	12.144	.4176	12.678	11.663	13	12.791	.3615	13.306	12.258	10
24.80	12.019	.3588	12.559	11.456	10	12.681	.3498	13.172	12.184	11
25.00	11.824	.3141	12.397	11.249	10	12.589	.3232	13.054	12.065	12
25.20	11.345	.4204	11.879	10.745	11	12.445	.3075	12.901	11.926	12
25.40	10.829	.3555	11.483	10.250	12	12.283	.2915	12.720	11.775	12
25.60	10.482	.2629	10.934	10.060	12	12.104	.2766	12.517	11.612	12
25.80	10.273	.2755	10.861	9.945	12	11.905	.2629	12.292	11.433	12
26.00	10.081	.3133	10.757	9.770	12	11.671	.2458	12.039	11.232	12
26.20	9.793	.2507	10.205	9.471	12	11.376	.2230	11.734	10.977	12
26.40	9.349	.1711	9.587	9.102	12	10.932	.1970	11.306	10.584	12
26.60	8.517	.2216	8.897	8.147	12	10.215	.1596	10.548	9.958	12
26.80	6.794	.1960	7.174	6.575	12	9.729	.1259	9.969	9.530	12
27.00	4.642	.2768	5.057	3.894	12	9.159	.1006	9.341	9.017	12
27.10	3.616	.2356	4.660	3.115	12	8.470	.0677	8.585	8.358	12
27.20	2.465	.2808	2.950	1.868	12	7.645	.0271	7.683	7.597	12
27.30	1.213	.3228	1.674	1.613	12	6.607	.0147	6.628	6.589	12
27.40	-0.196	.3655	1.397	-0.759	10	n/a	n/a	n/a	n/a	0
27.50	-1.893	.2539	-1.503	-2.205	10	n/a	n/a	n/a	n/a	0
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

OXYGEN					SOUND					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	1478	.1483	1478	1478	11
23.80	n/a	n/a	n/a	n/a	0	1481	.1484	1477	1476	11
24.00	n/a	n/a	n/a	n/a	0	1481	.1486	1476	1476	11
24.20	6.87	n/a	n/a	n/a	1	1481	.1487	1476	1476	11
24.40	6.71	n/a	n/a	n/a	1	1482	.1488	1477	1477	11
24.60	6.58	n/a	n/a	n/a	1	1482	.1487	1476	1476	11
24.80	6.47	n/a	n/a	n/a	1	1482	.1486	1478	1478	11
25.00	6.40	n/a	n/a	n/a	1	1482	.1485	1479	1479	11
25.20	5.81	n/a	n/a	n/a	1	1482	.1485	1479	1479	11
25.40	5.17	n/a	n/a	n/a	1	1482	.1484	1479	1479	11
25.60	4.60	n/a	n/a	n/a	1	1482	.1486	1480	1480	11
25.80	4.07	n/a	n/a	n/a	1	1482	.1485	1481	1481	11
26.00	3.75	n/a	n/a	n/a	1	1482	.1485	1480	1480	11
26.20	3.75	n/a	n/a	n/a	1	1479	.1486	1478	1478	11
26.40	2.82	n/a	n/a	n/a	1	1479	.1477	1477	1477	11
26.60	1.87	n/a	n/a	n/a	1	1478	.1478	1476	1476	11
26.80	.78	n/a	n/a	n/a	1	1478	.1479	1477	1477	11
27.00	.52	n/a	n/a	n/a	1	1478	.1479	1476	1476	11
27.10	.43	n/a	n/a	n/a	1	1479	.1480	1478	1478	11
27.20	.36	n/a	n/a	n/a	1	1480	.1482	1479	1479	11
27.30	.29	n/a	n/a	n/a	1	1482	.1482	1479	1479	11
27.40	.46	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	0
27.50	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	12.55	.042	12.58	12.52	2	30.998	.000	30.999	30.996	2	
23.60	11.18	.777	11.76	10.30	3	31.039	.2642	31.266	30.749	6	
23.80	10.89	.549	11.64	9.96	6	31.197	.1699	31.434	30.928	6	
24.00	10.44	.928	12.38	8.90	11	31.132	.2140	31.744	31.000	11	
24.20	10.29	.983	12.10	8.38	15	31.155	.2208	31.917	31.155	15	
24.40	10.28	.972	11.89	8.19	23	31.1795	.1989	32.141	31.393	23	
24.60	9.98	.811	11.53	8.03	32	31.1973	.1685	32.305	31.585	32	
24.80	9.55	.731	11.18	7.91	42	31.2134	.1500	32.481	31.821	42	
25.00	9.05	.613	10.62	7.82	49	31.2284	.1241	32.606	32.046	49	
25.20	8.53	.492	9.67	7.56	50	31.2433	.0963	32.655	32.252	50	
25.40	8.07	.524	9.39	7.26	50	31.2602	.1020	32.866	32.449	50	
25.60	7.91	.562	9.43	6.83	50	31.2780	.1063	33.126	32.629	50	
25.80	7.84	.521	9.26	6.86	50	31.2970	.0975	33.345	32.891	50	
26.00	7.81	.436	8.93	6.87	50	31.317	.0812	33.530	33.150	50	
26.20	7.74	.391	8.50	6.73	50	31.3359	.0714	33.705	33.378	50	
26.40	7.49	.259	7.94	6.87	50	31.3566	.0469	33.849	33.655	50	
26.60	6.92	.170	7.33	6.55	50	31.3766	.0295	33.991	33.857	50	
26.80	5.82	.153	6.25	4.36	50	31.3992	.0242	34.060	33.921	50	
27.00	4.88	.133	5.14	4.56	43	31.4103	.0192	34.143	34.057	43	
27.10	4.50	.098	4.68	4.24	43	31.4176	.0137	34.203	34.141	43	
27.20	4.16	.080	4.29	3.97	43	31.4256	.0113	34.273	34.231	43	
27.30	3.81	.067	3.95	3.59	43	31.4337	.0086	34.354	34.309	43	
27.40	3.40	.078	3.58	3.14	39	31.4411	.0088	34.435	34.380	39	
27.50	2.89	.033	2.94	2.84	11	31.4477	.0019	34.482	34.471	11	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	449.2	.10	449.2	449.2	0	
23.40	1.1	.0	1	1	2	430.0	.21	430.2	429.8	6	
23.60	5	2.1	7	1	3	411.0	.26	411.2	410.5	6	
23.80	7	3.2	12	6	6	392.0	.23	392.2	391.4	11	
24.00	11	4.2	16	11	15	372.9	.20	373.2	372.4	15	
24.20	12	5.0	20	16	23	354.0	.17	354.3	353.6	23	
24.40	15	6.1	29	24	32	335.0	.16	335.3	334.8	22	
24.60	19	7.1	34	24	32	316.1	.15	316.0	315.7	42	
24.80	24	8.0	48	34	42	297.1	.21	297.7	296.7	49	
25.00	29	11.3	64	49	50	278.3	.29	279.3	277.9	50	
25.20	43	15.7	93	56	50	259.5	.49	260.5	259.2	50	
25.40	61	15.8	109	51	50	240.7	.32	241.8	240.3	50	
25.60	74	15.0	120	59	50	221.9	.31	223.0	221.4	50	
25.80	84	15.1	133	59	50	203.1	.30	204.2	202.6	50	
26.00	95	16.1	147	67	50	184.3	.31	185.4	183.8	50	
26.20	111	17.4	165	84	50	165.7	.31	166.8	165.1	50	
26.40	137	18.0	191	103	50	147.4	.31	148.2	146.7	50	
26.60	189	19.9	240	146	50	129.5	.35	130.3	128.6	50	
26.80	305	25.8	566	246	50	111.8	.37	112.4	110.8	43	
27.00	479	29.9	546	405	43	103.0	.34	103.6	102.1	43	
27.20	586	31.7	652	522	43	94.2	.33	94.8	93.4	43	
27.30	705	33.6	774	637	43	85.4	.33	86.1	84.7	43	
27.40	849	38.2	932	773	43	76.5	.34	77.2	75.8	39	
27.50	1031	45.9	1121	943	39	67.3	.30	67.9	66.7	11	
27.60	1260	55.5	1362	1156	11	n/a	n/a	n/a	n/a	0	

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	448.3	.63	448.8	447.9	2	
23.40	12.55	.042	12.58	12.52	2	421.8	.24	428.7	410.0	6	
23.60	11.18	.777	11.76	10.30	6	405.1	.46	410.7	386.2	11	
23.80	10.89	.549	11.64	9.96	6	388.2	.46	391.7	369.1	15	
24.00	10.44	.928	12.38	8.90	11	369.0	.44	372.8	355.8	23	
24.20	10.29	.982	12.09	8.38	15	351.4	.252	353.7	345.0	23	
24.40	10.28	.971	11.88	8.19	33	333.3	.140	334.7	329.3	32	
24.60	9.98	.810	11.52	8.03	33	314.7	.08	315.7	310.6	49	
24.80	9.55	.732	11.18	7.91	42	295.9	.79	296.6	293.3	49	
25.00	9.05	.613	10.62	7.82	49	277.2	.52	277.6	275.0	50	
25.20	8.53	.492	9.66	7.26	50	258.1	.64	258.5	255.7	50	
25.40	8.07	.522	9.38	7.26	50	238.9	.78	239.5	236.3	50	
25.60	7.90	.561	9.42	6.82	50	220.0	.73	220.5	217.3	50	
25.80	7.83	.519	9.25	6.86	50	201.1	.38	201.5	200.1	50	
26.00	7.80	.435	8.91	6.86	50	182.2	.24	182.4	181.4	50	
26.20	7.73	.390	8.48	6.72	50	163.5	.10	163.5	163.1	50	
26.40	7.48	.259	7.92	6.86	50	144.3	.06	144.4	144.2	50	
26.60	6.90	.169	7.31	6.53	50	125.2	.15	125.4	124.8	43	
26.80	5.80	.153	6.23	5.34	50	106.2	.09	106.3	105.9	43	
27.00	4.84	.132	5.10	4.52	43	96.6	.07	96.7	96.5	43	
27.10	4.45	.097	4.64	4.26	43	87.1	.06	87.2	87.0	43	
27.20	4.11	.079	4.23	3.92	43	77.6	.06	77.7	77.5	43	
27.30	3.75	.067	3.59	3.50	39	68.0	.08	68.1	67.8	39	
27.40	3.32	.080	3.51	3.06	39	58.5	.11	58.6	58.2	11	
27.50	2.79	.034	2.85	2.75	11	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

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SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	0.45	.0071	.050	.040	2	.00	.000	.00	.00	0
23.60	.230	.1039	.290	.110	2	.01	.006	.01	.00	0
23.80	.280	.1367	.500	.120	10	.03	.012	.03	.00	0
24.00	.437	.1802	.680	.060	11	.04	.026	.08	.00	0
24.20	.493	.2102	.810	.120	15	.05	.039	.16	.01	15
24.40	.589	.2378	1.080	.210	24	.08	.051	.21	.00	23
24.60	.715	.2591	1.200	.140	32	.17	.072	.39	.01	42
24.80	.848	.2856	1.650	.290	42	.32	.259	1.32	.05	49
25.00	.999	.3932	2.150	.140	49	.60	.326	1.77	.19	50
25.20	1.377	.5009	2.900	.570	50	.82	.351	2.11	.39	50
25.40	1.887	.4970	3.340	1.070	50	1.01	.391	2.50	.50	50
25.60	2.207	.4633	3.630	1.530	50	1.22	.448	2.93	.61	50
25.80	2.443	.4634	4.930	1.790	50	1.55	.529	3.48	.86	50
26.00	2.672	.4821	4.930	1.960	50	2.13	.624	4.32	1.18	50
26.20	2.974	.5049	4.570	2.220	50	2.50	.789	6.01	2.05	50
26.40	3.435	.5165	5.030	2.520	50	3.10	.845	11.28	4.82	43
26.60	4.253	.5265	5.800	3.200	50	2.40	.526	27.59	12.05	43
26.80	5.859	.5712	7.400	4.580	50	3.25	.846	36.83	24.33	43
27.00	8.004	.5595	9.360	7.150	43	4.00	.837	49.48	33.17	43
27.10	9.154	.5746	10.510	8.140	43	5.13	.011	65.38	46.42	39
27.20	10.337	.5847	11.580	9.270	43	6.18	.725	86.39	63.05	11
27.30	11.645	.6087	12.970	10.490	43	n/a	n/a	n/a	n/a	0
27.40	13.144	.6263	14.320	12.160	39					
27.50	14.898	.6025	15.690	13.860	11					
27.60	n/a	n/a	n/a	n/a	0					0

SIGMA -T.	DELTA DH					ACC. POT.				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	13.117	.1315	13.210	13.024	22
23.40	13.075	.1372	13.172	12.978	22	13.186	.1584	13.337	13.021	21
23.60	12.961	.0765	13.049	12.910	5	12.964	.4656	13.468	12.330	6
23.80	12.695	.4069	13.215	12.084	6	12.953	.3904	13.449	12.309	11
24.00	12.536	.3491	12.976	11.848	11	12.890	.3821	13.416	12.284	15
24.20	12.431	.3490	12.886	11.759	22	12.909	.4435	13.822	12.255	22
24.40	12.357	.4538	13.509	11.675	22	12.815	.3972	13.785	12.222	21
24.60	12.174	.3608	13.620	11.597	31	12.771	.3508	13.736	12.185	39
24.80	12.016	.3551	12.927	11.352	39	12.694	.3470	13.676	12.140	42
25.00	11.773	.3514	12.547	10.854	42	12.626	.3338	13.548	12.088	42
25.20	11.415	.3401	12.073	10.473	42	12.527	.3095	13.353	12.015	42
25.40	10.900	.3208	11.490	10.272	42	12.396	.2905	13.136	11.890	42
25.60	10.578	.3098	11.278	10.040	42	12.243	.2739	12.901	11.742	42
25.80	10.337	.3165	11.067	9.866	43	12.073	.2593	12.654	11.575	42
26.00	10.107	.3290	10.852	9.564	42	11.878	.2462	12.382	11.388	42
26.20	9.798	.3248	10.559	9.210	42	11.646	.2326	12.110	11.169	42
26.40	9.325	.2939	9.789	8.534	42	11.348	.2168	11.803	10.909	42
26.60	8.501	.2061	8.805	7.924	43	10.908	.1885	11.304	10.533	42
26.80	6.883	.1880	7.237	6.346	42	10.212	.1421	10.504	9.915	42
27.00	4.801	.2207	5.444	4.322	42	9.740	.1151	9.965	9.496	42
27.10	3.651	.2406	4.121	3.152	42	9.170	.0881	9.347	8.985	42
27.20	2.470	.2609	2.989	1.944	42	8.485	.0587	8.600	8.359	42
27.30	1.165	.3044	1.767	1.501	42	7.646	.0261	7.686	7.575	39
27.40	-0.320	.3659	3.62	-1.046	39	6.580	.0443	6.615	6.490	39
27.50	-1.994	.4411	-1.179	-2.775	11	n/a	n/a	n/a	n/a	11
27.60	n/a	n/a	n/a	n/a	0					0

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	1	1494	.30	1494	1494	22
23.40	6.73	n/a	n/a	n/a	1	1490	.32	1492	1486	6
23.60	6.90	n/a	n/a	n/a	1	1489	.32	1492	1485	6
23.80	6.97	.035	7.00	6.95	2	1487	.37	1495	1481	11
24.00	6.96	.164	7.08	6.77	3	1487	.39	1494	1479	23
24.20	6.95	.148	7.14	6.80	6	1488	.38	1494	1479	23
24.40	6.888	.238	7.19	6.48	6	1487	.32	1493	1479	32
24.60	6.88	.212	7.16	6.46	7	1485	.32	1492	1479	42
24.80	6.78	.207	6.96	6.40	7	1484	.35	1490	1479	49
25.00	6.64	.300	6.92	6.18	7	1482	.32	1487	1478	50
25.20	6.55	.344	6.83	5.95	7	1481	.24	1487	1478	50
25.40	5.84	.607	6.80	4.98	7	1481	.25	1488	1477	50
25.60	5.22	.611	6.29	4.55	7	1481	.19	1488	1477	50
25.80	4.655	.448	5.50	4.02	7	1481	.17	1487	1478	50
26.00	4.12	.368	4.58	3.54	7	1482	.12	1484	1479	50
26.20	3.60	.282	3.96	3.10	7	1480	.08	1482	1478	50
26.40	3.12	.171	3.40	2.91	7	1478	.08	1479	1476	50
26.60	2.78	.306	3.40	2.48	7	1477	.09	1478	1475	43
26.80	1.72	.143	1.95	1.55	7	1477	.06	1479	1476	43
27.00	.83	.078	.96	.71	7	1477	.04	1479	1476	43
27.10	.57	.104	.77	.43	7	1478	.06	1479	1477	43
27.20	.42	.069	.54	.33	7	1479	.07	1481	1478	43
27.30	.35	.049	.44	.30	7	1481	.08	1482	1479	39
27.40	.38	.051	.45	.32	7	1482	.08	1484	1481	39
27.50	.57	.092	.64	.51	2	n/a	n/a	n/a	n/a	0
27.60	n/a	n/a	n/a	n/a	0					0

STATION MP04 JUNE 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	31	n/a	n/a	n/a	0	
23.20	14.31	.071	14.36	14.26	2	31	216	.0322	31.239	22	
23.40	13.82	.087	13.90	13.70	4	31	331	.0390	31.372	4	
23.60	13.34	.225	13.62	13.11	5	31	469	.0632	31.535	5	
23.80	12.58	.392	13.04	11.99	7	31	539	.1125	31.584	7	
24.00	12.28	.379	13.05	11.70	11	31	718	.0865	31.893	11	
24.20	11.67	.283	12.12	11.18	12	31	837	.0711	31.990	12	
24.40	11.17	.338	12.04	10.70	16	31	968	.0842	32.170	16	
24.60	10.49	.335	11.21	9.82	17	32	081	.0747	32.220	17	
24.80	9.85	.341	10.60	9.03	19	32	196	.0723	32.348	18	
25.00	9.15	.335	9.68	8.36	19	32	304	.0651	32.407	19	
25.20	8.52	.355	8.90	7.65	19	32	435	.0705	32.518	19	
25.40	8.05	.430	8.76	7.31	19	32	598	.0807	32.727	19	
25.60	7.73	.499	8.59	6.96	19	32	795	.0918	32.950	19	
25.80	7.61	.417	8.39	7.02	19	33	257	.0769	33.168	19	
26.00	7.47	.367	8.17	6.94	19	33	496	.0556	33.608	19	
26.20	7.41	.208	8.02	6.75	19	33	716	.0414	33.774	19	
26.40	7.22	.236	7.54	6.59	19	33	899	.0279	33.936	19	
26.60	6.81	.164	7.03	6.40	19	33	979	.0309	34.033	19	
26.80	5.74	.200	6.08	5.35	19	34	095	.0176	34.117	18	
27.00	4.82	.121	4.97	4.64	18	34	175	.0143	34.190	17	
27.10	4.49	.098	4.60	4.31	17	34	256	.0140	34.274	17	
27.20	4.16	.099	4.30	3.99	17	34	337	.0114	34.353	17	
27.30	3.82	.085	3.94	3.67	17	34	411	.0102	34.432	12	
27.40	3.39	.076	3.57	3.32	12	34	473	.0074	34.474	4	
27.50	2.84	.006	2.85	2.84	4	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

DEPTH						SVA					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	468	n/a	n/a	n/a	0	
23.20	6	.57	10	2	2	449	.4	.12	449	4	
23.40	11	.57	15	7	4	430	.3	.11	430	5	
23.60	14	.50	18	10	5	411	.3	.13	411	7	
23.80	17	.57	21	13	7	392	.2	.15	392	4	
24.00	17	.50	23	16	11	373	.2	.15	373	5	
24.20	24	.66	36	13	12	354	.2	.16	354	6	
24.40	24	.60	38	14	16	335	.2	.17	335	7	
24.60	27	.92	42	34	17	316	.2	.18	316	8	
24.80	32	10.4	46	6	18	297	.3	.25	297	8	
25.00	38	12.8	59	11	19	278	.4	.30	279	9	
25.20	47	17.4	82	15	19	259	.5	.29	260	9	
25.40	58	17.0	90	22	19	240	.6	.25	241	3	
25.60	71	13.6	97	46	19	221	.8	.22	222	5	
25.80	82	12.3	106	63	19	203	.0	.21	203	7	
26.00	95	11.1	116	78	19	184	.2	.23	184	8	
26.20	109	11.7	130	87	19	165	.6	.23	166	9	
26.40	133	14.0	165	109	19	147	.2	.19	147	6	
26.60	181	13.2	206	147	19	129	.3	.19	129	6	
26.80	293	17.3	18	257	19	111	.6	.26	112	3	
27.00	470	18.7	500	434	18	102	.9	.33	103	6	
27.10	577	27.3	634	533	17	94	.2	.35	94	9	
27.20	704	33.0	777	640	17	85	.5	.33	86	2	
27.30	856	33.6	906	795	17	76	.6	.27	77	1	
27.40	1045	31.9	1087	968	12	67	.4	.10	67	5	
27.50	1275	10.7	1290	1266	4	n/a	n/a	n/a	n/a	4	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

THETA						SVA (THETA)					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	465	.4	.75	468	.1	
23.20	14.31	.071	14.36	14.26	2	447	.6	1.56	448	.8	
23.40	13.82	.092	13.90	13.69	4	428	.3	2.28	429	.9	
23.60	13.34	.225	13.62	13.11	5	409	.0	2.25	410	.9	
23.80	12.57	.589	13.03	11.99	11	390	.4	2.17	391	.8	
24.00	12.27	.381	13.05	11.69	12	370	.9	1.80	372	.6	
24.20	11.67	.282	12.12	11.18	12	352	.7	1.84	353	.7	
24.40	11.16	.249	12.04	10.70	16	333	.2	1.97	334	.7	
24.60	10.49	.044	11.21	9.82	17	314	.4	1.81	315	.6	
24.80	9.85	.349	10.59	9.03	18	295	.8	1.47	296	.6	
25.00	9.15	.566	9.68	8.35	19	276	.8	1.07	277	.5	
25.20	8.52	.455	8.89	7.64	19	258	.1	.92	258	.5	
25.40	8.04	.430	8.75	7.30	19	239	.1	.65	239	.5	
25.60	7.72	.499	8.59	6.95	19	220	.2	.46	220	.5	
25.80	7.60	.417	8.38	7.01	19	201	.1	.46	201	.5	
26.00	7.46	.366	8.16	6.94	19	182	.3	.13	182	.4	
26.20	7.39	.310	8.01	6.73	19	163	.4	.08	163	.4	
26.40	7.20	.236	7.52	6.58	19	144	.4	.02	144	.4	
26.60	6.79	.164	7.01	6.38	19	125	.3	.08	125	.3	
26.80	5.72	.201	6.05	5.42	18	106	.2	.08	106	.0	
27.00	4.79	.117	4.93	4.61	18	96	.7	.06	96	.5	
27.10	4.45	.097	4.55	4.27	17	87	.2	.05	87	.2	
27.20	4.10	.098	4.24	3.94	17	77	.6	.04	77	.5	
27.30	3.75	.085	3.87	3.61	17	68	.0	.10	68	.1	
27.40	3.31	.077	3.50	3.25	12	58	.4	.10	58	.3	
27.50	2.75	.006	2.76	2.75	4	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP04 J U N E 1956 to 1990

DELTA D						POT. ENERGY				
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	.290	.2687	.480	.100	2	.01	.021	.03	.00	2
23.40	.493	.1803	.720	.320	4	.03	.022	.06	.01	4
23.60	.638	.1521	.850	.440	5	.05	.022	.08	.02	5
23.80	.761	.1252	.950	.550	7	.07	.020	.10	.04	7
24.00	.742	.2256	1.010	.250	11	.07	.033	.11	.01	11
24.20	.992	.2566	1.430	.500	12	.13	.067	.26	.03	12
24.40	.963	.3674	1.500	.160	16	.13	.082	.29	.00	16
24.60	1.070	.3798	1.620	.110	17	.16	.088	.34	.00	17
24.80	.211	.4335	1.760	.180	18	.21	.118	.40	.01	18
25.00	1.377	.5069	2.160	.350	19	.28	.162	.61	.02	19
25.20	1.645	.6251	2.830	.460	19	.41	.274	1.09	.03	19
25.40	1.939	.6138	3.060	.660	19	.57	.314	1.30	.07	19
25.60	2.278	.5202	3.240	1.260	19	.78	.309	1.47	.28	19
25.80	2.535	.4649	4.30	1.760	19	.98	.312	1.67	.56	19
26.00	2.798	.4346	4.660	2.090	19	1.22	.323	1.93	.79	19
26.20	3.085	.4333	4.910	2.340	19	1.52	.353	2.24	.94	19
26.40	3.500	.4749	4.420	2.580	19	2.04	.460	3.11	1.31	19
26.60	4.238	.4588	5.050	3.170	19	3.22	.522	4.31	2.08	19
26.80	5.798	.3806	6.340	4.690	19	7.01	.740	8.09	5.22	18
27.00	7.953	.4571	8.620	6.890	18	15.32	1.234	17.46	13.02	18
27.10	9.108	.5405	9.870	7.920	17	21.58	2.034	25.59	18.23	17
27.20	10.364	.5986	11.420	9.130	17	29.86	.800	35.99	24.72	17
27.30	11.745	.6074	12.600	10.420	17	33.39	.4091	46.14	35.02	17
27.40	13.350	.5513	14.040	12.050	12	56.09	.565	60.94	47.83	12
27.50	15.047	.1245	15.160	14.870	12	75.53	.766	76.48	74.66	4
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

DELTA DH						ACC. POT.				
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	12.888	.1096	12.966	12.811	0
23.20	12.599	.3762	12.865	12.333	2	12.930	.0990	13.013	12.786	2
23.40	12.452	.2473	12.646	12.696	4	12.863	.1305	12.988	12.693	4
23.60	12.259	.1715	12.405	11.968	5	12.881	.1993	13.258	12.671	5
23.80	12.171	.1911	12.482	11.867	7	13.001	.2997	13.469	12.645	10
24.00	12.273	.3638	12.792	11.802	10	12.942	.2802	13.406	12.614	15
24.20	12.034	.1758	12.511	11.741	11	12.814	.3018	13.335	12.228	15
24.40	11.959	.1752	12.270	11.660	15	12.765	.2810	13.262	12.195	16
24.60	11.847	.2918	12.696	11.498	16	12.708	.2717	13.183	12.150	16
24.80	11.644	.2462	12.071	11.253	16	12.638	.2613	13.086	12.097	16
25.00	11.433	.2649	11.868	11.017	16	12.553	.2469	12.951	12.038	16
25.20	11.171	.3319	11.720	10.660	16	12.450	.2297	12.786	11.958	16
25.40	10.879	.3092	11.493	10.423	16	12.323	.2132	12.609	11.858	16
25.60	10.553	.2025	10.010	10.244	16	12.174	.1967	12.434	11.742	16
25.80	10.310	.1677	10.568	10.026	16	12.006	.1797	12.242	11.613	16
26.00	10.055	.1651	10.248	9.747	16	11.812	.1658	12.045	11.455	16
26.20	9.756	.1661	10.021	9.417	16	11.584	.1492	11.814	11.280	16
26.40	9.336	.1748	9.561	8.894	16	11.298	.1353	11.520	11.033	16
26.60	8.597	.1529	8.829	8.259	16	10.878	.1236	11.084	10.638	16
26.80	7.036	.1692	7.395	6.776	16	10.211	.1132	10.413	9.989	16
27.00	4.917	.1225	5.117	4.678	16	9.750	.0993	9.933	9.562	16
27.10	3.735	.1923	4.048	3.307	16	9.187	.0784	9.336	9.045	16
27.20	2.476	.2505	2.988	1.898	16	8.503	.0505	8.593	8.420	16
27.30	1.091	.2499	1.590	1.714	16	7.655	.0210	7.694	7.632	12
27.40	-0.427	.2536	-0.175	-0.769	12	6.573	.0211	6.602	6.553	4
27.50	-2.100	.0644	-2.052	-2.192	4	n/a	n/a	n/a	n/a	0

OXYGEN						SOUND				
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	1501	.7	1501	n/a	0
23.20	n/a	n/a	n/a	n/a	0	1499	.0	1499	1499	4
23.40	6.80	n/a	n/a	n/a	1	1498	.8	1499	1497	5
23.60	6.93	n/a	n/a	n/a	1	1495	1.5	1497	1493	7
23.80	7.03	n/a	n/a	n/a	1	1494	1.4	1497	1492	11
24.00	7.07	n/a	n/a	n/a	1	1493	1.1	1495	1491	12
24.20	6.91	n/a	n/a	n/a	1	1491	1.3	1494	1489	16
24.40	6.77	n/a	n/a	n/a	1	1489	1.5	1492	1486	17
24.60	6.46	n/a	n/a	n/a	1	1487	1.5	1490	1483	18
24.80	6.01	n/a	n/a	n/a	1	1484	1.3	1486	1481	19
25.00	5.64	n/a	n/a	n/a	1	1482	1.6	1484	1478	19
25.20	5.28	n/a	n/a	n/a	1	1481	1.9	1484	1478	19
25.40	4.96	n/a	n/a	n/a	1	1480	2.2	1484	1477	19
25.60	4.68	n/a	n/a	n/a	1	1480	1.9	1484	1478	19
25.80	4.40	n/a	n/a	n/a	1	1480	1.5	1483	1478	19
26.00	4.11	n/a	n/a	n/a	1	1480	1.4	1483	1478	19
26.20	3.83	n/a	n/a	n/a	1	1480	1.1	1482	1478	19
26.40	3.46	n/a	n/a	n/a	1	1480	.8	1481	1478	19
26.60	3.09	n/a	n/a	n/a	1	1478	.9	1479	1476	19
26.80	2.12	n/a	n/a	n/a	1	1477	.7	1478	1476	18
27.00	1.00	n/a	n/a	n/a	1	1477	.7	1479	1476	17
27.10	.51	n/a	n/a	n/a	1	1478	.9	1480	1477	17
27.20	.43	n/a	n/a	n/a	1	1479	.7	1481	1478	17
27.30	.42	n/a	n/a	n/a	1	1481	.5	1482	1480	12
27.40	.41	n/a	n/a	n/a	1	1482	.5	1483	1482	4
27.50	.48	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	14.57	n/a	n/a	n/a	1	31.001	n/a	n/a	n/a	1	
23.20	14.10	n/a	n/a	n/a	1	31.180	n/a	n/a	n/a	1	
23.40	13.73	n/a	n/a	n/a	1	31.322	n/a	n/a	n/a	1	
23.60	13.24	n/a	n/a	n/a	1	31.463	n/a	n/a	n/a	1	
23.80	13.52	1.421	14.52	12.51	2	31.825	.2815	32.024	31.626	2	
24.00	13.20	.714	13.73	11.85	6	31.970	1.226	32.072	31.771	6	
24.20	12.47	.620	13.50	11.26	13	32.037	1.346	32.284	31.791	13	
24.40	11.71	.561	12.73	10.73	14	32.111	1.226	32.340	31.958	14	
24.60	11.08	.457	12.00	10.24	16	32.222	1.003	32.410	32.035	16	
24.80	10.35	.376	11.01	9.79	16	32.312	.0857	32.438	32.185	16	
25.00	9.59	.351	10.27	9.24	16	32.398	.0745	32.527	32.316	16	
25.20	8.79	.294	9.40	8.45	16	32.486	.0548	32.600	32.416	16	
25.40	8.16	.352	8.71	7.50	16	32.617	.0668	32.717	32.491	16	
25.60	7.95	.442	8.77	7.12	16	32.836	.0804	32.984	32.679	16	
25.80	7.85	.476	8.57	6.95	16	33.072	.0859	33.207	33.903	16	
26.00	7.73	.391	8.34	7.12	16	33.305	.0712	33.417	33.191	16	
26.20	7.60	.333	8.15	6.93	16	33.534	.0596	33.632	33.413	16	
26.40	7.41	.265	8.81	6.73	16	33.753	.0477	33.824	33.630	16	
26.60	6.90	.167	7.12	6.48	16	33.915	.0286	33.954	33.844	16	
27.00	5.84	.142	6.15	5.57	16	33.995	.0227	34.043	33.952	16	
27.10	4.90	.108	5.17	4.78	15	34.106	.0160	34.145	34.088	15	
27.20	4.53	.111	4.79	4.41	15	34.180	.0154	34.217	34.163	15	
27.30	4.17	.124	4.47	4.03	15	34.257	.0163	34.298	34.239	15	
27.40	3.81	.144	4.17	3.69	14	34.337	.0190	34.383	34.321	14	
27.50	3.44	.209	3.87	3.31	11	34.417	.0256	34.470	34.400	11	
27.60	3.17	.481	3.51	2.83	12	34.510	.0565	34.550	34.470	12	
	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
DEPTH											SVA
23.00	5	n/a	n/a	n/a	1	487.5	n/a	n/a	n/a	1	
23.20	7	n/a	n/a	n/a	1	468.5	n/a	n/a	n/a	1	
23.40	9	n/a	n/a	n/a	1	449.5	n/a	n/a	n/a	1	
23.60	11	n/a	n/a	n/a	1	430.2	n/a	n/a	n/a	1	
23.80	12	7	12	11	2	411.0	.43	411.3	410.7	2	
24.00	16	7.2	30	11	6	392.1	.40	392.6	391.4	6	
24.20	18	7.4	34	7	13	373.1	.30	373.4	372.2	13	
24.40	22	8.2	37	8	14	354.2	.32	354.5	353.2	14	
24.60	26	10.0	40	7	16	335.2	.29	335.5	334.4	16	
24.80	33	11.5	51	13	16	316.2	.28	316.7	315.7	16	
25.00	39	13.3	60	17	16	297.3	.26	297.7	296.9	16	
25.20	49	16.0	72	22	16	278.4	.28	278.8	278.0	16	
25.40	64	19.0	94	30	16	259.6	.32	260.1	259.1	16	
25.60	76	19.9	107	40	16	240.8	.36	241.3	240.2	16	
26.00	86	17.9	116	56	16	221.9	.33	222.4	221.4	16	
26.20	98	17.0	128	70	16	203.1	.33	203.6	202.6	16	
26.40	111	15.9	139	84	16	184.3	.30	184.7	183.8	16	
26.60	134	16.5	166	99	16	165.7	.38	166.1	165.0	16	
26.80	185	23.6	217	126	16	147.3	.38	147.9	146.4	16	
27.00	309	29.7	341	232	16	129.4	.42	130.0	128.4	16	
27.10	479	57.4	542	409	15	111.8	.36	112.3	110.9	15	
27.20	589	38.1	654	533	15	103.0	.31	103.6	102.4	15	
27.30	710	42.3	770	625	15	94.2	.28	94.7	93.6	15	
27.40	848	51.3	906	735	14	85.4	.21	85.7	85.0	14	
27.50	1024	77.3	1083	863	11	76.6	.17	76.8	76.3	11	
27.60	1142	153.4	1250	1033	12	67.3	.28	67.5	67.1	12	
	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	SVA (THETA)
THETA											SVA (THETA)
23.00	14.57	n/a	n/a	n/a	1	486.3	n/a	n/a	n/a	1	
23.20	14.10	n/a	n/a	n/a	1	464.0	n/a	n/a	n/a	1	
23.40	13.73	n/a	n/a	n/a	1	446.4	n/a	n/a	n/a	1	
23.60	13.24	n/a	n/a	n/a	1	426.8	n/a	n/a	n/a	1	
23.80	13.51	1.421	14.51	12.50	2	405.8	6.43	410.3	401.2	2	
24.00	13.20	.714	13.73	11.85	6	388.9	4.97	391.7	378.9	6	
24.20	12.47	.617	13.49	11.26	13	370.4	3.78	372.7	359.1	13	
24.40	11.71	.562	12.73	10.72	14	351.5	2.53	353.6	341.5	14	
24.60	11.07	.459	12.00	10.23	16	332.4	2.79	334.6	325.6	16	
24.80	10.34	.375	11.01	9.78	16	313.7	2.03	315.6	309.1	16	
25.00	9.58	.350	10.26	9.24	16	295.4	1.65	296.5	291.0	16	
25.20	8.78	.292	9.39	8.45	16	276.9	.97	277.5	273.9	16	
25.40	7.94	.350	8.70	7.49	16	258.1	.44	258.5	257.1	16	
25.60	7.84	.440	8.75	7.11	16	258.9	.76	259.5	237.1	16	
25.80	7.72	.475	8.56	6.93	16	220.0	.47	220.4	218.9	16	
26.00	7.59	.395	8.33	7.12	16	201.0	.40	201.4	200.5	16	
26.20	7.59	.332	8.14	6.92	16	182.1	.35	182.4	181.4	16	
26.40	7.40	.266	8.00	6.72	16	163.3	.11	163.5	163.1	16	
26.60	6.88	.165	7.10	6.47	16	144.3	.05	144.4	144.2	16	
26.80	5.81	.141	6.12	5.55	16	125.2	.16	125.4	124.9	16	
27.00	4.86	.109	5.13	4.75	15	106.3	.09	106.3	106.0	15	
27.10	4.49	.114	4.75	4.36	15	96.6	.08	96.7	96.5	15	
27.20	4.11	.127	4.42	3.98	15	87.1	.07	87.2	87.0	15	
27.30	3.75	.146	4.11	3.63	14	77.6	.05	77.7	77.5	14	
27.40	3.56	.216	3.81	2.23	12	68.0	.11	68.1	67.8	12	
27.50	3.09	.488	3.43	2.74	0	58.5	.07	58.6	58.5	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

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DELTA D					POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	.260	n/a	n/a	n/a	1	.01	n/a	n/a	n/a	1
23.20	.350	n/a	n/a	n/a	1	.01	n/a	n/a	n/a	1
23.40	.430	n/a	n/a	n/a	1	.02	n/a	n/a	n/a	1
23.60	.500	n/a	n/a	n/a	1	.03	n/a	n/a	n/a	1
23.80	.515	.0636	.560	.470	2	.06	.000	.03	.03	2
24.00	.668	.2843	1.210	.430	13	.07	.063	.19	.02	6
24.20	.692	.2942	1.330	.270	14	.11	.074	.27	.01	14
24.40	.868	.3154	1.450	.300	15	.15	.099	.31	.01	16
24.60	.987	.3820	1.550	.250	16	.21	.134	.46	.03	16
24.80	1.193	.4232	1.850	.430	16	.30	.180	.63	.05	16
25.00	1.400	.4785	2.150	.560	16	.44	.260	1.362	.08	16
25.20	1.684	.5596	2.490	.710	16	.68	.362	1.666	.22	16
25.40	2.079	.6183	2.940	.920	16	1.09	.448	1.89	.40	16
25.60	2.386	.6222	2.280	1.160	16	1.32	.475	2.21	.59	16
25.80	2.628	.5882	3.480	1.540	16	1.61	.494	2.51	.81	16
26.00	2.871	.5688	3.740	1.830	16	2.11	.569	3.27	1.06	16
26.20	3.139	.5416	3.950	2.110	16	3.42	.844	4.61	1.55	16
26.40	3.538	.5483	4.440	2.370	16	7.37	1.469	9.48	4.17	16
26.60	4.329	.6364	5.080	2.800	16	16.14	2.566	20.41	11.17	15
26.80	5.917	.7072	6.870	4.240	16	22.70	2.984	27.93	17.69	15
27.00	8.127	.7667	9.290	6.380	15	30.72	3.656	36.38	24.23	15
27.10	9.323	.7308	10.520	7.730	15	40.64	4.746	46.65	31.13	14
27.20	10.523	.7356	11.670	9.080	14	54.55	7.345	61.01	39.74	11
27.30	11.731	.7501	12.860	10.370	14	63.37	15.500	74.33	52.41	12
27.40	13.153	.8433	14.130	11.700	11	n/a	n/a	n/a	n/a	0
27.50	13.980	1.0324	14.710	13.250	11					
27.60	n/a	n/a	n/a	n/a	0					0

DELTA DH					ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	12.498	n/a	n/a	n/a	1	12.756	n/a	n/a	n/a	1
23.20	12.412	n/a	n/a	n/a	1	12.744	n/a	n/a	n/a	1
23.40	12.330	n/a	n/a	n/a	1	12.729	n/a	n/a	n/a	1
23.60	12.257	n/a	n/a	n/a	1	12.710	n/a	n/a	n/a	1
23.80	12.562	.5169	12.927	12.196	2	13.038	.4957	13.389	12.688	2
24.00	12.623	.4323	13.350	12.139	16	13.264	.4075	13.776	12.664	16
24.20	12.416	.3931	13.091	11.689	12	13.050	.4389	13.746	12.455	12
24.40	12.190	.4237	12.851	11.406	12	13.012	.4333	13.694	12.409	12
24.60	11.963	.4313	12.573	11.249	14	12.858	.5052	13.626	11.798	14
24.80	11.754	.4418	12.314	11.006	14	12.801	.4949	13.543	11.777	14
25.00	11.546	.4368	12.168	10.795	14	12.733	.4818	13.444	11.749	14
25.20	11.265	.4287	11.866	10.468	14	12.650	.4654	13.320	11.712	14
25.40	10.854	.3703	11.491	10.158	14	12.542	.4412	13.173	11.662	14
25.60	10.541	.3193	11.103	10.008	14	12.407	.4122	13.005	11.597	14
25.80	10.306	.2891	10.817	9.789	14	12.251	.3833	12.814	11.506	14
26.00	10.061	.2746	10.598	9.597	14	12.076	.3574	12.602	11.387	14
26.20	9.784	.2549	10.112	9.281	14	11.877	.3352	12.367	11.241	14
26.40	9.388	.2595	9.672	8.834	14	11.648	.3133	12.105	11.071	14
26.60	8.576	.2942	9.005	8.037	14	11.357	.2906	11.800	10.868	14
26.80	6.964	.2987	7.565	6.565	14	10.926	.2631	11.372	10.491	14
27.00	4.827	.2846	5.424	4.418	14	10.227	.2158	10.628	9.837	14
27.10	3.637	.2646	4.076	3.261	14	9.756	.1832	10.095	9.412	14
27.20	2.453	.2829	2.970	2.106	14	9.181	.1481	9.458	8.891	14
27.30	1.168	.3935	1.982	.715	13	8.471	.0833	8.544	8.289	13
27.40	-0.271	.5844	0.932	-0.732	11	7.643	.0272	7.669	7.583	11
27.50	-1.119	1.1717	-0.291	-1.948	2	6.639	.1570	6.750	6.528	2
27.60	n/a	n/a	n/a	n/a	0					0

OXYGEN					SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	1501	n/a	n/a	n/a	1
23.20	n/a	n/a	n/a	n/a	0	1500	n/a	n/a	n/a	1
23.40	n/a	n/a	n/a	n/a	0	1499	n/a	n/a	n/a	1
23.60	n/a	n/a	n/a	n/a	0	1497	4.9	1502	1495	2
23.80	6.13	.198	6.27	5.99	0	1498	2.7	1500	1493	13
24.00	6.47	.320	6.83	6.21	0	1495	2.3	1499	1491	14
24.20	6.39	.265	6.66	6.13	0	1493	2.2	1497	1489	14
24.40	6.30	.146	6.47	6.20	0	1491	1.9	1495	1488	16
24.60	6.24	.125	6.33	6.10	0	1489	1.5	1491	1486	16
24.80	6.21	.082	6.30	6.14	0	1486	1.5	1489	1485	16
25.00	6.15	.114	6.23	6.02	0	1483	1.4	1486	1482	16
25.20	5.90	.110	6.01	5.79	0	1482	1.7	1484	1478	16
25.40	5.40	.118	5.53	5.30	0	1481	2.1	1485	1477	16
25.60	4.81	.196	5.01	4.62	0	1481	2.1	1485	1477	16
25.80	4.31	.261	4.58	4.06	0	1481	1.8	1484	1478	16
26.00	3.88	.280	4.20	3.67	0	1481	1.6	1484	1478	16
26.20	2.21	.151	3.32	3.04	0	1481	1.3	1483	1478	16
26.40	2.84	.035	2.87	2.80	0	1480	.8	1481	1478	16
26.60	1.75	.040	1.80	1.73	0	1478	.7	1479	1476	16
27.00	.89	.177	1.09	.77	0	1477	.6	1478	1476	15
27.10	.64	.229	.90	.49	0	1478	.6	1478	1476	15
27.20	.46	.165	.64	.32	0	1478	.5	1479	1477	15
27.30	.41	.106	.48	.33	0	1479	.5	1480	1478	14
27.40	.39	n/a	n/a	n/a	0	1481	.7	1482	1481	11
27.50	n/a	n/a	n/a	n/a	0	1482	n/a	n/a	n/a	0
27.60	n/a	n/a	n/a	n/a	0					

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TEMPERATURE						SALINITY						
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00	n/a	n/a	n/a	n/a	0	31.812	n/a	31.872	n/a	0		
23.20	16.53	.195	16.74	16.28	4	31.813	.0813	32.022	31.757	8		
23.40	15.96	.267	16.33	15.44	8	31.919	.0894	32.114	31.836	11		
23.60	15.17	.348	15.73	14.62	11	32.054	.1130	32.234	31.908	18		
23.80	14.53	.442	15.28	13.85	18	32.109	.1153	32.349	31.930	23		
24.00	13.80	.445	14.77	13.11	23	32.155	.1104	32.374	31.930	27		
24.20	12.97	.431	13.90	12.17	27	32.213	.1109	32.402	31.948	30		
24.40	12.14	.451	12.94	11.12	20	32.271	.1093	32.447	31.960	31		
24.60	11.32	.468	12.03	10.03	11	32.345	.1047	32.503	31.995	34		
24.80	10.55	.477	11.30	8.92	14	32.418	.0901	32.564	32.145	34		
25.00	9.69	.436	10.42	8.50	14	32.500	.0846	32.626	32.281	34		
25.20	8.87	.432	9.50	7.73	14	32.649	.0954	32.835	32.436	34		
25.40	8.29	.488	9.26	7.17	14	32.837	.0980	33.031	32.667	34		
25.60	7.96	.519	9.60	7.03	14	32.956	.0874	33.206	32.912	34		
25.80	7.76	.467	8.53	6.98	14	33.281	.0752	33.402	33.163	34		
26.00	7.60	.406	8.20	6.97	14	33.516	.0528	33.613	33.409	34		
26.20	7.50	.288	8.02	6.92	14	33.739	.0434	33.817	33.632	34		
26.40	7.34	.243	7.77	6.75	14	33.913	.0279	33.956	33.824	34		
26.60	6.89	.162	7.14	6.36	14	33.995	.0279	34.033	33.931	34		
26.80	5.84	.178	6.09	5.44	14	34.106	.0171	34.142	34.067	30		
27.00	4.90	.117	5.15	4.63	20	34.179	.0128	34.209	34.153	29		
27.10	4.52	.092	4.73	4.34	20	34.259	.0079	34.277	34.242	28		
27.20	4.18	.068	4.32	4.05	20	34.334	.0122	34.355	34.310	23		
27.30	3.79	.094	3.95	3.60	20	34.410	.0067	34.426	34.397	23		
27.40	3.38	.062	3.52	3.26	20	34.477	.0000	34.480	34.473	0		
27.50	2.89	.031	2.92	2.86	20	n/a	n/a	n/a	n/a	0		
27.60	n/a	n/a	n/a	n/a	0					0		
SIGMA	DEPTH						SVA					
-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00	n/a	n/a	n/a	n/a	0	468.5	n/a	468.8	n/a	0		
23.20	10	5.6	18	5	4	449.5	.16	449.7	449.2	4		
23.40	16	8.2	26	8	8	430.4	.22	430.7	430.0	8		
23.60	16	7.4	27	22	11	411.3	.24	411.7	411.0	11		
23.80	17	7.4	29	22	11	392.3	.23	392.7	392.1	23		
24.00	18	7.5	31	24	27	373.2	.21	373.6	372.9	27		
24.20	20	7.6	35	24	20	354.2	.19	354.6	353.8	30		
24.40	23	7.8	38	28	11	335.2	.17	335.6	334.8	31		
24.60	26	8.2	42	32	11	316.3	.18	316.6	315.7	34		
24.80	29	9.7	47	31	14	297.3	.20	297.8	297.0	34		
25.00	36	10.7	62	17	14	278.4	.25	279.0	278.0	34		
25.20	47	13.5	80	27	14	259.5	.27	260.2	259.1	34		
25.40	59	14.6	92	35	14	240.7	.27	241.4	240.3	34		
25.60	71	13.8	100	46	14	221.8	.26	222.4	221.4	34		
25.80	83	13.5	111	57	14	203.0	.27	203.6	202.5	34		
26.00	95	12.8	122	68	14	184.3	.24	184.8	183.7	34		
26.20	110	12.8	135	79	14	165.7	.26	166.2	165.1	34		
26.40	134	13.3	160	105	14	147.3	.31	147.9	146.5	34		
26.60	185	19.3	218	140	14	129.5	.43	130.4	128.3	34		
26.80	309	32.3	275	228	14	111.9	.40	112.6	110.7	30		
27.00	488	35.0	65	39.5	20	103.1	.34	103.6	102.0	29		
27.10	595	30.7	65	50.5	20	94.4	.25	94.9	93.7	28		
27.20	724	26.4	765	667	20	85.6	.23	85.9	84.8	23		
27.30	874	33.1	945	796	20	76.7	.19	77.1	76.2	23		
27.40	1058	32.9	1117	978	20	67.5	.06	67.5	67.4	3		
27.50	1279	23.5	1306	1263	20	n/a	n/a	n/a	n/a	0		
27.60	n/a	n/a	n/a	n/a	0					0		
SIGMA	THETA						SVA (THETA)					
-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00	n/a	n/a	n/a	n/a	0	467.9	n/a	467.4	n/a	0		
23.20	16.53	.195	16.74	16.28	4	447.7	2.35	449.2	442.1	8		
23.40	15.96	.268	16.33	15.44	8	427.1	2.95	429.6	421.2	11		
23.60	15.17	.346	15.73	14.62	11	408.4	2.94	410.7	400.8	18		
23.80	14.53	.439	15.27	13.85	11	390.0	1.72	391.8	385.7	23		
24.00	13.80	.445	14.77	13.11	20	370.9	1.93	372.8	365.9	27		
24.20	12.97	.431	13.90	12.16	20	351.6	2.02	353.7	345.5	30		
24.40	12.14	.450	12.93	11.12	20	332.9	1.70	334.6	327.6	31		
24.60	11.32	.470	12.03	10.03	11	314.6	1.76	315.6	307.9	34		
24.80	10.54	.477	11.29	8.92	14	295.4	1.57	296.6	289.4	34		
25.00	9.68	.437	10.42	8.29	14	277.0	.84	277.5	273.3	34		
25.20	8.86	.431	9.50	7.93	14	257.7	.87	258.5	255.5	34		
25.40	8.29	.487	9.25	7.17	14	239.0	.65	239.5	237.2	34		
25.60	7.95	.518	8.99	7.03	14	220.0	.53	220.5	218.0	34		
25.80	7.75	.467	8.52	6.97	14	201.0	.52	201.5	199.7	34		
26.00	7.59	.405	8.19	6.96	14	182.1	.28	182.5	181.2	34		
26.20	7.49	.288	8.01	6.91	14	163.3	.12	163.4	162.9	34		
26.40	7.33	.242	7.76	6.72	14	144.4	.04	144.4	144.3	34		
26.60	6.87	.161	7.12	6.35	14	125.2	.11	125.4	124.9	30		
26.80	5.81	.177	6.06	5.41	14	106.1	.08	106.3	105.9	30		
27.00	4.86	.117	5.11	4.59	14	96.6	.08	96.8	96.4	30		
27.10	4.47	.091	4.68	4.29	14	87.1	.06	87.2	87.0	29		
27.20	4.12	.067	4.26	3.99	14	77.6	.06	77.7	77.5	28		
27.30	3.72	.095	3.88	3.54	14	68.0	.10	68.1	67.7	23		
27.40	3.30	.063	3.44	3.18	14	58.5	.06	58.5	58.5	0		
27.50	2.79	.030	2.82	2.76	14	n/a	n/a	n/a	n/a	0		
27.60	n/a	n/a	n/a	n/a	0					0		

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	.500	.2639	.870	.260	4	.03	.031	.08	.01	48	
23.40	.733	.3861	1.240	.000	18	.07	.052	.16	.00	11	
23.60	.747	.3692	1.290	.110	11	.08	.060	.18	.00	18	
23.80	.734	.3608	1.350	.130	18	.08	.061	.20	.00	23	
24.00	.771	.3548	1.410	.200	23	.08	.065	.22	.01	27	
24.20	.847	.3586	1.550	.140	27	.10	.073	.27	.00	30	
24.40	.928	.3644	1.670	.290	50	.12	.081	.31	.01	31	
24.60	1.032	.3756	1.790	.410	51	.15	.092	.36	.03	31	
24.80	1.112	.4187	1.950	.030	34	.18	.108	.44	.00	34	
25.00	1.346	.4501	2.410	.530	34	.26	.154	.69	.05	34	
25.20	1.646	.5331	2.870	.930	34	.39	.244	1.04	.12	34	
25.40	1.967	.5513	3.220	1.190	34	.57	.298	1.35	.19	34	
25.60	2.290	.5279	3.450	1.420	34	.78	.318	1.53	.31	34	
25.80	2.559	.5206	3.700	1.720	34	.99	.351	1.80	.45	34	
26.00	2.810	.5092	3.940	1.950	34	1.22	.374	2.08	.59	34	
26.20	3.100	.5001	4.190	2.170	34	1.53	.398	2.42	.76	34	
26.40	3.527	.5158	4.630	2.590	34	2.06	.471	3.07	1.19	34	
26.60	4.318	.5644	5.530	3.170	34	2.36	.706	4.81	1.86	34	
26.80	6.040	.7061	7.640	4.380	34	7.75	1.592	11.22	4.14	34	
27.00	8.219	.7584	9.820	6.360	30	16.63	2.467	22.41	10.44	30	
27.10	9.380	.6972	10.870	7.570	29	23.07	2.559	28.72	15.99	29	
27.20	10.665	.6314	12.050	9.150	29	21.71	2.539	36.31	25.54	28	
27.30	11.993	.6284	12.990	10.310	28	42.87	2.279	48.70	34.25	23	
27.40	13.490	.6392	14.420	11.800	23	57.74	3.678	63.33	47.76	23	
27.50	15.290	.7049	16.090	14.760	23	77.35	3.216	80.83	74.49	23	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	13.573	.2348	13.721	13.302	0	
23.20	13.201	.2702	13.465	12.925	0	13.528	.3064	13.794	13.024	6	
23.40	12.860	.1956	13.119	12.591	0	13.238	.5789	13.752	11.892	9	
23.60	12.582	.3400	13.029	11.785	0	13.110	.4416	13.702	11.883	16	
23.80	12.462	.3123	12.943	11.630	16	13.020	.4211	13.646	11.869	20	
24.00	12.330	.2937	12.862	11.525	23	12.958	.3887	13.582	11.850	23	
24.20	12.220	.2887	12.778	11.434	23	12.884	.3722	13.513	11.826	26	
24.40	12.103	.2751	12.665	11.356	26	12.834	.3559	13.458	11.799	27	
24.60	11.989	.2627	12.559	11.283	27	12.760	.3586	13.405	11.768	28	
24.80	11.853	.2492	12.459	11.186	28	12.699	.3456	13.348	11.729	28	
25.00	11.603	.2068	12.921	11.072	28	12.620	.3276	13.247	11.681	28	
25.20	11.307	.2198	11.733	10.850	28	12.521	.3061	13.102	11.619	28	
25.40	11.005	.2234	11.554	10.518	28	12.399	.2851	12.937	11.542	28	
25.60	10.691	.1992	11.232	10.330	28	12.254	.2656	12.755	11.443	28	
25.80	10.422	.2091	10.962	10.004	28	12.087	.2473	12.552	11.325	28	
26.00	10.167	.1893	10.634	9.759	28	11.897	.2302	12.329	11.187	28	
26.20	9.884	.1745	10.258	9.549	28	11.674	.2136	12.084	11.013	28	
26.40	9.460	.1731	9.763	9.183	28	11.391	.1948	11.768	10.787	28	
26.60	8.692	.1563	8.957	8.423	28	10.276	.1622	11.276	10.470	28	
26.80	7.015	.2808	7.585	6.348	28	9.799	.1144	10.438	9.913	28	
27.00	4.797	.3121	5.532	4.020	28	9.225	.0874	9.929	9.523	28	
27.10	3.630	.2646	4.526	3.016	28	8.517	.0645	9.324	9.039	28	
27.20	2.347	.2072	2.738	2.011	28	7.660	.0391	8.585	8.389	28	
27.30	-0.968	.2655	1.579	0.395	28	6.581	.0166	7.692	7.623	23	
27.40	-0.536	.2627	0.996	-0.989	23	6.581	.0367	6.623	6.559	23	
27.50	-2.138	.1857	-2.024	-2.352	0	n/a	n/a	n/a	n/a	0	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	1509	.6	1509	1508	4	
23.20	5.98	n/a	n/a	n/a	1	1507	.9	1508	1505	8	
23.40	6.06	.226	6.22	5.90	0	1505	1.4	1507	1502	11	
23.60	6.24	.255	6.42	6.06	0	1503	1.6	1505	1500	18	
23.80	6.45	.231	6.59	6.18	0	1500	1.6	1504	1498	23	
24.00	6.59	.289	6.77	6.26	4	1497	1.7	1501	1495	27	
24.20	6.61	.221	6.89	6.35	4	1495	1.7	1498	1491	30	
24.40	6.54	.318	7.02	6.36	4	1492	1.9	1495	1487	31	
24.60	6.50	.446	7.13	6.18	4	1489	1.9	1492	1483	34	
24.80	6.45	.573	7.23	6.01	4	1487	1.7	1489	1481	34	
25.00	6.12	.251	6.50	5.85	0	1484	1.9	1487	1479	34	
25.20	5.93	.169	6.15	5.74	0	1482	2.1	1486	1477	34	
25.40	5.69	.403	6.29	5.40	0	1481	2.4	1486	1477	34	
25.60	5.19	.308	5.70	4.95	0	1481	2.0	1484	1477	34	
25.80	4.67	.251	5.10	4.47	0	1481	1.8	1483	1478	34	
26.00	4.22	.263	4.63	3.99	0	1481	1.4	1483	1478	34	
26.20	3.91	.368	4.34	3.92	0	1481	1.2	1483	1478	34	
26.40	3.48	.400	3.87	2.92	0	1480	1.9	1482	1477	34	
26.60	3.05	.401	3.67	2.55	0	1478	1.0	1480	1475	34	
26.80	1.82	.132	1.95	1.63	0	1477	.8	1479	1475	30	
27.00	.76	.040	.83	.72	0	1478	.7	1479	1476	30	
27.10	.533	.018	.55	.56	0	1479	.6	1480	1477	29	
27.20	.333	.043	.38	.28	0	1479	.5	1480	1478	28	
27.30	.28	.054	.34	.21	0	1479	.6	1483	1482	23	
27.40	.36	.080	.44	.28	0	1483	.6	1483	1482	23	
27.50	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP04 S E P T E M B E R 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	16.34	2.093	17.82	14.86	2	31.584	.5360	31.963	31.205	2	
23.20	14.78	2.225	17.01	12.56	5	31.539	.4568	31.971	31.061	5	
23.40	15.07	1.983	16.60	11.75	5	31.814	.3360	32.091	31.249	5	
23.60	14.65	1.459	15.87	11.25	8	31.894	.2390	32.140	31.566	8	
23.80	14.00	1.219	15.24	10.89	16	31.939	.2573	32.220	31.248	16	
24.00	13.37	1.082	14.95	10.60	21	32.019	.2410	32.403	31.367	21	
24.20	12.69	.919	14.39	10.06	25	32.103	.2141	32.515	31.489	25	
24.40	11.94	.801	13.49	9.61	25	32.178	.1863	32.549	31.623	25	
24.60	11.21	.677	12.65	9.33	26	32.255	.1528	32.582	31.824	26	
24.80	10.48	.567	11.73	9.13	27	32.340	.1205	32.607	32.032	27	
25.00	9.70	.468	10.69	8.90	28	32.419	.0969	32.623	32.243	28	
25.20	8.89	.408	9.70	7.97	28	32.508	.0827	32.663	32.321	28	
25.40	8.200	.493	8.18	7.28	28	32.631	.0994	32.810	32.453	28	
25.60	7.78	.523	8.57	6.64	28	32.804	.1009	32.956	32.599	28	
25.80	7.63	.437	8.26	6.88	28	32.930	.0811	33.160	32.893	28	
26.00	7.56	.321	8.21	7.00	28	32.971	.0594	33.390	33.173	28	
26.20	7.49	.263	7.97	6.97	28	32.912	.0483	33.604	33.418	28	
26.40	7.34	.236	7.75	6.91	28	32.739	.0426	33.812	33.663	28	
26.60	6.84	.189	7.10	6.24	28	32.905	.0322	33.949	33.804	28	
26.80	5.81	.186	6.00	5.17	28	32.990	.0293	34.024	33.892	28	
27.00	4.90	.165	5.15	4.35	28	32.944	.0240	34.142	34.028	28	
27.10	4.52	.116	4.76	4.29	28	32.979	.0166	34.213	34.147	28	
27.20	4.18	.093	4.32	3.97	28	32.959	.0124	34.279	34.231	28	
27.30	3.800	.065	3.92	3.69	28	32.936	.0089	34.351	34.322	28	
27.40	3.38	.057	3.49	3.28	24	32.909	.0057	34.423	34.398	24	
27.50	2.88	.092	2.99	2.79	4	32.977	.0078	34.489	34.469	4	
27.60	2.51	n/a	n/a	n/a	1	34.560	n/a	n/a	n/a	1	

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	8.8	9.2	14	1	2	487.5	.36	487.8	487.3	2	
23.20	8.8	11.0	21	1	5	468.3	.43	468.8	468.0	5	
23.40	8.8	9.1	24	2	8	449.2	.37	449.7	448.7	5	
23.60	12.0	9.3	28	2	8	430.3	.39	430.7	429.5	5	
23.80	15.0	9.5	31	7	16	411.3	.29	411.7	410.5	16	
24.00	19.9	7.7	34	7	21	392.3	.25	392.6	391.6	21	
24.20	21.1	8.6	37	9	25	373.2	.25	373.7	372.8	25	
24.40	24.0	8.5	41	12	25	354.2	.23	354.6	353.8	26	
24.60	27.0	8.6	44	16	26	335.2	.24	335.6	334.7	27	
24.80	31.0	8.8	48	18	27	316.2	.21	316.6	315.7	27	
25.00	36.0	9.2	51	19	28	297.3	.20	297.6	296.8	28	
25.20	44.0	11.6	74	23	28	278.3	.23	278.9	277.9	28	
25.40	57.0	14.0	86	28	28	259.6	.24	260.0	258.9	28	
25.60	72.0	14.0	104	45	28	240.6	.23	241.2	240.1	28	
25.80	85.0	14.2	112	49	28	221.8	.20	222.2	221.3	28	
26.00	99.0	14.4	126	65	28	203.1	.18	203.4	202.6	28	
26.20	116.0	13.7	137	85	28	184.4	.19	184.6	183.9	28	
26.40	140.0	13.9	162	110	28	165.7	.22	166.2	165.3	28	
26.60	193.0	17.8	236	162	28	147.4	.24	148.0	147.0	28	
26.80	317.0	21.4	361	266	28	129.6	.33	130.2	128.8	28	
27.00	505.0	32.7	549	419	28	112.1	.47	112.6	110.8	28	
27.10	611.0	36.9	658	508	28	103.2	.41	103.8	102.2	28	
27.20	731.0	36.3	791	630	28	94.4	.33	95.0	93.6	28	
27.30	876.0	39.1	953	793	28	85.6	.28	86.2	85.0	28	
27.40	1050.0	45.1	1116	942	24	76.6	.28	77.1	76.0	24	
27.50	1244.0	56.2	1305	1193	4	67.2	.13	67.4	67.1	4	
27.60	1500.0	n/a	n/a	n/a	1	58.2	n/a	n/a	n/a	1	

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	16.33	2.086	17.81	14.86	2	481.4	6.01	485.6	477.1	2	
23.20	14.78	2.225	17.01	12.56	5	452.8	12.39	466.9	443.8	5	
23.40	15.07	1.983	16.60	11.75	5	438.4	14.43	449.1	415.7	5	
23.60	14.65	1.459	15.87	11.25	8	423.5	10.75	429.8	398.5	8	
23.80	14.00	1.218	15.24	10.89	16	407.1	6.22	411.0	386.2	16	
24.00	13.37	1.080	14.94	10.60	21	389.0	3.48	391.8	376.6	21	
24.20	12.69	.919	14.39	10.06	25	369.9	2.78	372.8	361.8	25	
24.40	11.94	.800	13.49	9.61	25	350.7	3.18	353.7	342.6	26	
24.60	11.21	.676	12.64	9.33	26	332.4	2.94	334.7	323.7	26	
24.80	10.47	.567	11.73	9.13	27	313.9	2.17	315.6	305.3	27	
25.00	9.69	.468	10.69	8.90	28	295.6	1.76	296.6	288.7	28	
25.20	8.89	.408	9.70	7.96	28	276.8	1.28	277.5	272.3	28	
25.40	8.20	.491	9.17	7.28	28	257.8	1.23	258.5	252.7	28	
25.60	7.77	.525	8.57	6.63	28	239.0	.93	239.5	235.4	28	
25.80	7.62	.436	8.25	6.87	28	220.1	.50	220.5	218.7	28	
26.00	7.55	.321	8.20	6.99	28	201.1	.37	201.4	200.1	28	
26.20	7.48	.263	7.96	6.96	28	182.2	.24	182.4	181.6	28	
26.40	7.33	.238	7.74	6.90	28	163.3	.13	163.4	163.0	28	
26.60	6.83	.190	7.08	6.22	28	144.3	.04	144.4	144.3	28	
26.80	5.78	.184	5.97	5.15	28	125.2	.18	125.3	124.7	28	
27.00	4.86	.164	5.11	4.31	28	106.1	.10	106.3	106.0	28	
27.10	4.47	.116	4.71	4.25	28	96.6	.09	96.8	96.5	28	
27.20	4.12	.094	4.27	3.91	28	87.1	.06	87.2	87.0	28	
27.30	3.74	.066	3.86	3.62	28	77.6	.05	77.7	77.5	28	
27.40	3.30	.060	3.42	3.26	24	68.0	.12	68.1	67.7	24	
27.50	2.79	.096	2.91	2.70	4	58.5	.13	58.6	58.3	4	
27.60	2.40	n/a	n/a	n/a	1	49.0	n/a	n/a	n/a	1	

STATION MP04 S E P T E M B E R 1956 to 1990

SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	.355	.4596	.680	.030	2	.03	.035	.05	.00	2
23.20	.407	.5417	1.030	.050	2	.04	.064	.11	.00	2
23.40	.378	.4588	1.190	.090	5	.03	.065	.15	.00	5
23.60	.545	.4441	1.340	.090	5	.05	.066	.18	.00	5
23.80	.679	.3847	1.480	.140	16	.07	.063	.23	.00	16
24.00	.817	.3489	1.610	.270	21	.09	.068	.27	.01	21
24.20	.880	.3810	1.730	.350	25	.11	.083	.32	.01	25
24.40	.991	.3673	1.850	.480	25	.14	.090	.36	.03	25
24.60	1.085	.3706	1.960	.580	26	.16	.102	.41	.05	26
24.80	1.194	.3755	2.060	.640	27	.19	.112	.46	.06	27
25.00	1.341	.3798	2.180	.690	28	.25	.123	.52	.07	28
25.20	1.585	.4504	2.860	.770	28	.55	.187	.95	.09	28
25.40	1.920	.5087	3.120	.920	28	.54	.267	1.16	.13	28
25.60	2.296	.5022	3.340	1.330	28	.78	.317	1.55	.30	28
25.80	2.599	.5052	3.570	1.430	28	1.03	.348	1.77	.35	28
26.00	2.899	.5123	3.910	1.760	28	1.31	.394	2.14	.54	28
26.20	3.229	.4961	4.260	2.150	28	1.67	.421	2.44	.84	28
26.40	3.651	.4917	4.720	2.580	28	2.22	.480	3.13	1.27	28
26.60	4.487	.5226	5.610	3.420	28	3.65	.702	5.25	2.45	28
26.80	6.202	.4884	7.260	5.330	28	8.081	.1055	10.55	5.82	28
27.00	8.494	.4753	9.420	7.540	28	17.80	.2083	20.08	12.81	28
27.10	9.650	.5182	10.610	8.550	28	24.44	.2722	27.81	17.48	28
27.20	10.845	.5243	11.960	9.750	28	32.68	.144	37.96	24.50	28
27.30	12.160	.5826	13.710	11.200	28	43.55	.3.914	51.02	35.23	28
27.40	13.617	.6112	15.020	12.420	24	57.65	.4.952	64.97	45.98	24
27.50	14.987	.8766	15.960	14.050	4	73.65	.7.091	80.73	66.34	4
27.60	16.000	n/a	n/a	n/a	1	93.26	n/a	n/a	n/a	1

SIGMA -T.	DELTA DH					ACC. POT.				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	13.231	.1746	13.354	13.107	2	13.576	.6230	14.016	13.135	2
23.20	12.909	.1521	12.997	12.733	5	13.300	.6149	13.981	12.786	5
23.40	12.848	.1809	13.125	12.655	5	13.205	.4409	13.937	12.782	5
23.60	12.604	.2870	13.997	12.114	16	13.118	.3366	13.888	12.775	16
23.80	12.494	.3076	13.033	11.874	16	13.135	.3282	13.832	12.576	16
24.00	12.359	.3285	12.919	11.696	20	13.132	.3314	13.769	12.536	20
24.20	12.279	.3353	12.915	11.564	24	13.085	.3108	13.699	12.493	24
24.40	12.168	.3102	12.620	11.421	24	13.041	.3031	13.625	12.447	24
24.60	12.053	.2942	12.418	11.243	25	12.975	.2991	13.544	12.397	25
24.80	11.942	.2818	12.278	11.107	26	12.924	.2859	13.459	12.345	26
25.00	11.778	.2541	12.165	10.991	27	12.852	.2750	13.368	12.289	27
25.20	11.536	.2652	11.949	10.807	27	12.777	.2634	13.251	12.224	27
25.40	11.199	.2910	11.716	10.568	27	12.682	.2471	13.098	12.148	27
25.60	10.828	.2740	11.321	10.213	27	12.560	.2293	12.931	12.048	27
25.80	10.525	.2948	11.218	9.904	27	12.413	.2144	12.748	11.924	27
26.00	10.226	.3157	10.885	9.569	27	12.240	.2043	12.558	11.768	27
26.20	9.897	.3131	10.499	9.162	27	12.040	.1992	12.345	11.578	27
26.40	9.472	.3030	10.072	8.942	27	11.803	.1990	12.088	11.321	27
26.60	8.621	.2982	9.228	7.999	27	11.506	.1968	11.744	11.007	27
26.80	6.895	.1983	7.328	6.471	27	11.055	.1879	11.280	10.551	27
27.00	4.609	.2479	5.224	4.303	27	10.331	.1541	10.530	9.907	27
27.10	3.452	.2893	4.243	3.106	27	9.833	.1254	10.011	9.480	27
27.20	2.258	.2815	3.042	1.808	27	9.237	.0907	9.384	8.991	27
27.30	2.941	.3080	1.573	3.222	27	8.521	.0564	8.614	8.379	27
27.40	-0.473	.3604	1.367	-1.014	24	7.650	.0200	7.685	7.599	24
27.50	-1.862	.4377	-1.460	-2.310	4	6.588	.0493	6.641	6.528	4
27.60	-3.406	n/a	n/a	n/a	1	5.423	n/a	n/a	n/a	1

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	1508	7.8	1513	1502	2
23.20	n/a	n/a	n/a	n/a	0	1502	8.0	1510	1494	3
23.40	n/a	n/a	n/a	n/a	0	1504	7.0	1509	1492	5
23.60	6.83	5.09	7.01	6.29	1	1503	5.4	1505	1489	16
23.80	6.65	6.34	6.96	6.28	4	1499	4.1	1504	1488	21
24.00	6.62	6.49	6.84	6.21	4	1497	3.6	1503	1486	25
24.20	6.34	3.22	6.73	6.04	4	1494	3.2	1500	1485	25
24.40	5.99	7.18	6.64	5.22	4	1492	2.7	1497	1484	26
24.60	5.64	1.050	6.52	4.48	4	1489	2.1	1494	1484	27
24.80	5.38	1.108	6.40	3.81	4	1487	1.9	1491	1483	28
25.00	4.94	1.233	6.11	3.32	4	1484	1.7	1487	1480	28
25.20	4.69	1.135	5.72	3.48	4	1482	2.0	1486	1478	28
25.40	4.46	1.174	5.65	3.31	4	1480	2.1	1484	1476	28
25.60	4.17	1.054	5.00	3.73	4	1480	1.7	1483	1477	28
25.80	4.18	4.48	4.66	3.59	4	1481	1.2	1483	1478	28
26.00	3.82	4.18	4.44	3.53	4	1481	1.0	1483	1479	28
26.20	3.43	4.66	4.11	3.10	4	1480	.9	1481	1479	28
26.40	2.81	4.58	3.47	2.42	4	1478	1.1	1483	1479	28
26.60	1.66	.096	1.80	1.58	4	1478	1.0	1479	1478	28
26.80	.74	.152	.89	.53	4	1478	.9	1479	1476	28
27.00	.55	.113	.70	.43	4	1478	.8	1479	1476	28
27.20	.42	.15	.59	.33	4	1479	.7	1481	1478	28
27.30	.41	.133	.60	.31	4	1480	.8	1482	1479	24
27.40	.57	.170	.69	.45	2	1481	.8	1483	1481	4
27.50	n/a	n/a	n/a	n/a	0	1482	n/a	n/a	n/a	1
27.60	n/a	n/a	n/a	n/a	0	1485	n/a	n/a	n/a	1

STATION MP04 OCTOBER 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA	-T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	n/a	0	30.898	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	n/a	0	31.120	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	n/a	0	32.027	.4001	32.303	31.331	1
23.60	11.06	n/a	n/a	n/a	n/a	1	32.156	.2011	32.325	31.531	1
23.80	10.81	n/a	n/a	n/a	n/a	1	32.238	.1571	32.365	31.717	1
24.00	13.50	1.672	14.60	10.57	5.5	15	32.331	.1414	32.461	31.823	1
24.20	12.99	.831	13.56	10.34	10	15	32.413	.1422	32.563	31.919	1
24.40	12.23	.640	12.84	10.09	9.35	17	32.477	.1286	32.655	32.048	1
24.60	11.92	.623	12.14	9.95	9.53	17	32.561	.0960	32.722	32.267	1
24.80	10.78	.661	11.45	9.54	8.54	18	32.658	.0809	32.788	32.478	1
25.00	9.93	.619	10.74	7.85	7.85	18	32.828	.0872	32.909	32.650	1
25.20	9.11	.484	9.98	7.64	7.64	18	32.966	.0507	33.125	32.920	1
25.40	8.34	.400	9.04	7.42	7.42	18	33.111	.0426	33.382	33.203	1
25.60	7.90	.461	8.38	6.95	6.95	18	33.154	.0374	33.596	33.457	1
25.80	7.83	.275	8.13	7.03	7.03	18	33.260	.0388	33.801	33.664	1
26.00	7.77	.229	8.18	7.20	7.20	18	33.319	.0290	33.952	33.855	1
26.20	7.65	.202	7.95	7.19	7.19	18	33.398	.0272	33.926	33.936	1
26.40	7.46	.213	7.69	6.92	6.92	18	33.446	.0196	34.124	34.068	1
26.60	6.92	.168	7.11	6.55	6.55	18	33.494	.0121	34.196	34.149	1
26.80	5.79	.172	6.03	5.44	5.44	18	33.525	.0091	34.270	34.234	1
27.00	4.83	.125	5.02	4.63	4.63	18	33.532	.0099	34.344	34.308	1
27.10	4.46	.087	4.65	4.31	4.31	18	33.544	.0089	34.418	34.385	1
27.20	4.13	.066	4.27	3.99	3.99	18	33.565	.0065	34.485	34.469	1
27.30	3.78	.070	3.87	3.59	3.59	16	33.579	n/a	n/a	n/a	0
27.40	3.35	.079	3.46	3.18	3.18	16	33.591	n/a	n/a	n/a	0
27.50	2.91	.069	2.96	2.79	2.79	15	33.603	n/a	n/a	n/a	0
27.60	n/a	n/a	n/a	n/a	n/a	0	33.615	n/a	n/a	n/a	0
SIGMA	DEPTH	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	n/a	0	430.5	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	n/a	0	411.3	.18	392.6	392.1	1
24.00	21	4.66	27	17	15	15	392.4	.17	373.6	373.1	1
24.20	23	6.88	33	13	13	15	373.2	.21	354.6	353.9	1
24.40	26	7.22	36	15	15	15	354.1	.23	335.5	334.8	1
24.60	26	11.0	40	10	10	17	335.1	.28	316.8	315.9	1
24.80	35	9.6	52	18	17	18	316.3	.23	297.7	297.0	1
25.00	39	10.7	59	20	18	18	297.3	.29	278.8	278.0	1
25.20	47	12.1	67	24	24	18	278.4	.29	260.1	259.0	1
25.40	59	15.1	92	39	39	18	259.5	.28	241.2	240.1	1
25.60	74	16.4	105	45	45	18	240.7	.26	222.4	221.4	1
25.80	88	17.1	117	51	51	18	221.9	.27	203.6	202.5	1
26.00	102	16.7	128	63	63	18	203.2	.26	184.9	183.8	1
26.20	117	17.2	145	75	75	18	184.4	.23	166.2	165.2	1
26.40	139	16.1	165	98	98	18	165.8	.29	148.2	146.9	1
26.60	201	18.9	241	151	151	18	147.6	.29	130.4	129.4	1
26.80	347	21.4	381	306	306	18	130.0	.40	113.0	111.6	1
27.00	530	31.3	588	466	466	18	112.2	.40	104.1	102.8	1
27.10	636	33.3	702	574	574	18	103.4	.32	94.8	93.9	1
27.20	751	30.0	802	682	682	18	85.8	.21	86.1	85.4	1
27.30	902	35.6	961	846	846	17	76.8	.26	77.2	76.3	1
27.40	1096	47.9	1182	1012	1012	16	67.7	.27	68.1	67.4	1
27.50	1311	47.6	1360	1237	1237	15	57.9	n/a	n/a	n/a	0
27.60	n/a	n/a	n/a	n/a	n/a	0	57.9	n/a	n/a	n/a	0
SIGMA	THETA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	n/a	0	429.9	n/a	n/a	n/a	0
23.60	11.06	n/a	n/a	n/a	n/a	1	409.1	.84	391.9	389.0	1
23.80	10.81	n/a	n/a	n/a	n/a	1	371.5	1.42	372.6	367.3	1
24.00	13.50	1.670	14.59	10.57	5.5	15	351.5	2.31	353.6	346.1	1
24.20	12.99	.831	13.56	10.34	10	15	332.6	2.28	334.8	327.3	1
24.40	12.23	.639	12.83	10.09	9.33	17	313.4	1.92	315.5	310.1	1
24.60	11.52	.623	12.14	9.33	9.33	17	295.0	1.81	296.5	290.2	1
24.80	10.78	.660	11.45	8.54	8.54	18	276.1	1.84	277.5	271.4	1
25.00	9.93	.616	10.73	7.85	7.85	18	257.7	.73	239.5	236.8	1
25.20	9.13	.485	9.97	7.63	7.63	18	238.9	.39	220.5	219.2	1
25.40	8.33	.399	9.04	7.42	7.42	18	220.1	.50	201.5	199.7	1
25.60	7.89	.463	8.37	6.94	6.94	18	182.0	.19	182.4	181.8	1
25.80	7.82	.275	8.12	7.02	7.02	18	163.3	.11	163.5	163.1	1
26.00	7.76	.229	8.17	7.19	7.19	18	144.4	.04	144.4	144.3	1
26.20	7.64	.203	7.94	7.18	7.18	18	125.1	.15	125.3	124.9	1
26.40	7.44	.213	7.68	6.91	6.91	18	106.1	.09	106.3	106.0	1
26.60	6.90	.168	7.09	6.53	6.53	18	96.6	.06	96.7	96.5	1
26.80	5.76	.173	6.01	5.41	5.41	18	87.1	.05	87.2	87.0	1
27.00	4.79	.125	4.98	4.59	4.59	18	77.6	.05	77.6	77.5	1
27.10	4.41	.087	4.60	4.26	4.26	18	68.0	.07	68.1	67.8	1
27.20	4.07	.066	4.21	3.94	3.94	18	58.4	.14	58.5	58.2	1
27.30	3.71	.073	3.81	3.52	3.52	17	57.9	n/a	n/a	n/a	0
27.40	3.27	.081	3.38	3.10	3.10	16	57.9	n/a	n/a	n/a	0
27.50	2.81	.072	2.87	2.69	2.69	15	57.9	n/a	n/a	n/a	0
27.60	n/a	n/a	n/a	n/a	n/a	0	57.9	n/a	n/a	n/a	0
SIGMA	SVA (THETA)	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	n/a	0	429.9	n/a	n/a	n/a	0
23.60	11.06	n/a	n/a	n/a	n/a	1	409.1	.84	391.9	389.0	1
23.80	10.81	n/a	n/a	n/a	n/a	1	371.5	1.42	372.6	367.3	1
24.00	13.50	1.670	14.59	10.57	5.5	15	351.5	2.31	353.6	346.1	1
24.20	12.99	.831	13.56	10.34	10	15	332.6	2.28	334.8	327.3	1
24.40	12.23	.639	12.83	10.09	9.33	17	313.4	1.92	315.5	310.1	1
24.60	11.52	.623	12.14	9.33	9.33	17	295.0	1.81	296.5	290.2	1
24.80	10.78	.660	11.45	8.54	8.54	18	276.1	1.84	277.5	271.4	1
25.00	9.93	.616	10.73	7.85	7.85	18	257.7	.73	239.5	236.8	1
25.20	9.13	.485	9.97	7.63	7.63	18	238.9	.39	220.5	219.2	1
25.40	8.33	.399	9.04	7.42	7.42	18	220.1	.50	201.5	199.7	1
25.60	7.89	.463	8.37	6.94	6.94	18	182.0	.19	182.4	181.8	1
25.80	7.82	.275	8.12	7.02	7.02	18	163.3	.11	163.5	163.1	1
26.00	7.64	.229	8.17	7.19	7.19	18	144.4	.04	144.4	144.3	1
26.20	7.44	.203	7.94	7.18	7.18	18	125.1	.15	125.3	124.9	1
26.40	7.44	.213	7.68	6.91	6.91	18	106.1	.09	106.3	106.0	1
26.60	6.90	.168	7.09	6.53	6.53	18	96.6	.06	96.7	96.5	1
26.80	5.76	.173	6.01	5.41	5.41	18	87.1	.05	87.2	87.0	1
27.00	4.79	.125	4.98	4.59	4.59	18	77.6	.05	77.6	77.5	1
27.10	4.41	.087	4.60	4.26	4.26	18	68.0	.07	68.1	67.8	1
27.20	4.07	.066	4.21	3.94	3.94	18	58.4	.14	58.5	58.2	1
27.30	3.71	.0									

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	1.140	n/a	n/a	n/a	1	.15	n/a	n/a	n/a	1	
24.00	.872	.2192	1.190	.660	15	.10	.048	.17	.06	5	
24.20	.917	.2804	1.300	.510	15	.12	.065	.22	.03	13	
24.40	1.013	.2832	1.400	.550	15	.14	.073	.25	.04	15	
24.60	.996	.4318	1.520	.600	17	.15	.095	.31	.00	17	
24.80	1.282	.3216	1.750	.680	17	.24	.122	.47	.06	17	
25.00	1.407	.3720	1.960	.730	18	.29	.151	.59	.07	18	
25.20	1.625	.4063	2.320	.860	18	.58	.293	1.30	.23	18	
25.40	1.961	.4865	3.010	1.220	18	.84	.358	1.63	.30	18	
25.60	2.329	.5249	3.330	1.330	18	1.12	.413	1.95	.36	18	
25.80	2.661	.5448	3.620	1.470	18	1.40	.453	2.23	.51	18	
26.00	2.950	.5374	3.840	1.730	18	1.73	.510	2.72	1.04	18	
26.20	3.244	.5469	4.190	1.970	18	2.24	.547	3.25	2.10	18	
26.40	3.640	.5185	4.530	2.370	18	3.93	.784	5.65	7.06	18	
26.60	4.605	.5414	5.580	3.200	18	9.64	1.197	21.56	15.55	18	
26.80	6.639	.5133	7.460	3.330	18	19.71	2.218	23.36	21.81	18	
27.00	8.875	.5348	9.870	7.780	18	26.56	2.744	31.65	28.85	18	
27.10	10.019	.5579	10.900	8.760	18	34.72	.865	39.36	40.25	17	
27.20	11.166	.5356	11.970	9.850	17	46.51	.787	52.56	53.99	16	
27.30	12.557	.5981	13.560	11.120	17	62.45	.292	71.68	72.92	15	
27.40	14.158	.5777	15.100	13.330	16	82.39	.862	88.49	n/a	0	
27.50	15.850	.6442	16.750	14.970	16	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
DELTA DH						ACC. POT.					
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	13.612	n/a	n/a	n/a	1	
23.60	12.531	n/a	n/a	n/a	1	13.562	n/a	n/a	n/a	1	
23.80	12.478	n/a	n/a	n/a	1	13.402	.2571	13.795	13.141	5	
24.00	12.562	.1535	12.809	12.428	15	13.326	.2735	13.929	13.042	12	
24.20	12.464	.2237	12.799	12.112	12	13.303	.2943	13.864	13.006	14	
24.40	12.380	.1882	12.636	12.026	14	13.244	.2650	13.792	12.961	16	
24.60	12.381	.3398	13.230	11.933	16	13.182	.2571	13.713	12.913	16	
24.80	12.082	.3102	12.473	11.411	16	13.062	.3162	13.625	12.265	17	
25.00	11.895	.3398	12.327	11.268	17	12.982	.3058	13.524	12.201	17	
25.20	11.669	.3122	12.197	11.056	17	12.882	.2900	13.372	12.129	17	
25.40	11.329	.3143	11.906	10.860	17	12.756	.2707	13.184	12.048	17	
25.60	10.964	.3197	11.593	10.477	17	12.603	.2501	12.987	11.959	17	
25.80	10.643	.3108	11.337	10.116	17	12.425	.2309	12.767	11.852	17	
26.00	10.352	.2924	11.004	9.849	17	12.220	.2131	12.517	11.723	17	
26.20	10.059	.2952	10.758	9.538	17	11.983	.1980	12.239	11.564	17	
26.40	9.665	.2578	10.212	9.161	17	11.685	.1847	11.912	11.338	17	
26.60	8.691	.2374	9.099	8.290	17	11.269	.1621	11.483	10.897	17	
26.80	6.545	.1872	6.975	6.324	17	10.424	.1252	10.660	10.184	17	
27.00	4.377	.2130	4.789	3.957	17	9.901	.0971	10.076	9.713	17	
27.10	3.235	.2439	3.766	2.705	17	9.056	.0656	9.380	9.150	17	
27.20	2.106	.2367	2.684	1.707	17	8.550	.0381	8.605	8.489	17	
27.30	.743	.2902	1.208	1.251	17	7.662	.0181	7.693	7.611	16	
27.40	-0.796	.3924	-0.166	-1.555	16	6.568	.0447	6.625	6.534	5	
27.50	-2.408	.3755	-1.803	-2.771	5	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	14.89	n/a	n/a	n/a	1	
23.60	n/a	n/a	n/a	n/a	0	14.89	n/a	n/a	n/a	1	
23.80	5.96	n/a	n/a	n/a	1	14.99	n/a	n/a	n/a	1	
24.00	6.21	.190	6.40	6.02	15	14.98	n/a	n/a	n/a	1	
24.20	6.22	.133	6.31	6.07	15	14.95	n/a	n/a	n/a	1	
24.40	6.25	.138	6.45	6.13	4	14.93	n/a	n/a	n/a	1	
24.60	6.31	.210	6.57	6.11	4	14.90	n/a	n/a	n/a	1	
24.80	6.27	.184	6.44	6.03	4	14.88	n/a	n/a	n/a	1	
25.00	6.19	.267	6.50	5.87	4	14.85	n/a	n/a	n/a	1	
25.20	6.06	.469	6.55	5.63	4	14.82	1.0	14.85	14.78	18	
25.40	5.47	.582	6.17	4.83	4	14.81	2.0	14.83	14.77	18	
25.60	4.59	.504	5.04	3.87	4	14.81	1.2	14.83	14.78	18	
26.00	4.07	.339	4.40	3.71	4	14.81	1.1	14.83	14.79	18	
26.20	3.73	.311	4.11	3.35	4	14.82	.9	14.83	14.80	18	
26.40	2.21	.384	3.68	2.74	4	14.81	.8	14.82	14.79	18	
26.60	2.63	.444	3.29	2.30	4	14.79	.7	14.80	14.77	18	
26.80	1.85	.250	2.07	1.56	4	14.78	.7	14.79	14.77	18	
27.00	.82	.062	.88	.74	4	14.78	.6	14.79	14.77	18	
27.10	.55	.052	.62	.50	4	14.78	.6	14.79	14.77	18	
27.20	.37	.025	.40	.34	4	14.79	.6	14.79	14.78	18	
27.30	.31	.026	.33	.28	4	14.80	.6	14.81	14.79	17	
27.40	.42	.083	.54	.36	4	14.81	.7	14.82	14.80	16	
27.50	n/a	n/a	n/a	n/a	0	14.83	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP04 NOVEMBER 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	11.09	.445	11.44	10.44	7	32.200	.1031	32.291	32.050	7	
24.80	10.49	.259	10.76	10.15	8	32.336	.0633	32.413	32.255	8	
25.00	9.81	.297	10.13	8.94	15	32.444	.0641	32.518	32.251	15	
25.20	9.22	.242	9.63	8.60	17	32.576	.0483	32.653	32.472	17	
25.40	8.65	.304	9.28	8.21	17	32.713	.0696	32.870	32.621	17	
25.60	8.29	.357	8.97	7.60	17	32.900	.0735	33.064	32.764	17	
25.80	8.06	.355	8.69	7.20	17	33.111	.0682	33.240	32.949	17	
26.00	7.89	.356	8.59	7.03	17	33.332	.0678	33.469	33.173	17	
26.20	7.72	.375	8.50	6.91	17	33.556	.0687	33.700	33.408	17	
26.40	7.49	.292	8.08	7.01	17	33.766	.0531	33.874	33.679	17	
26.60	6.93	.168	7.26	6.63	17	33.921	.0290	33.980	33.869	17	
26.80	5.81	.125	5.98	5.59	17	33.991	.0198	34.021	33.958	17	
27.00	4.83	.091	5.03	4.69	16	34.097	.0135	34.127	34.076	16	
27.10	4.45	.094	4.59	4.29	15	34.169	.0125	34.189	34.147	15	
27.20	4.08	.089	4.22	3.94	15	34.245	.0122	34.263	34.227	15	
27.30	3.74	.082	3.86	3.61	15	34.327	.0106	34.343	34.311	15	
27.40	3.32	.082	3.48	3.21	15	34.403	.0099	34.421	34.388	15	
27.50	2.86	.077	2.97	2.76	7	34.474	.0093	34.486	34.462	7	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	33	10.5	46	19	7	335.4	.25	335.7	335.1	7	
24.80	41	5.9	51	33	8	316.4	.13	316.6	316.2	8	
25.00	47	11.7	59	13	15	297.5	.24	297.7	296.9	15	
25.20	55	8.9	66	39	17	278.5	.18	278.7	278.1	17	
25.40	65	12.0	81	46	17	259.6	.22	259.9	259.2	17	
25.60	76	14.2	92	54	17	240.8	.23	241.1	240.4	17	
25.80	89	15.0	109	65	17	222.0	.24	222.3	221.5	17	
26.00	102	16.0	125	75	17	203.2	.25	203.5	202.8	17	
26.20	117	15.0	139	90	17	184.4	.23	184.7	184.0	17	
26.40	147	17.0	175	112	17	165.9	.31	166.5	165.4	17	
26.60	215	33.0	290	168	17	147.8	.56	149.1	147.1	17	
26.80	348	44.0	456	290	16	130.0	.62	131.5	129.2	17	
27.00	528	42.9	627	473	16	112.2	.48	113.3	111.6	16	
27.10	623	37.1	699	581	15	103.2	.36	104.2	102.8	15	
27.20	740	37.3	800	693	15	94.3	.31	94.9	93.9	15	
27.30	882	33.4	933	833	15	85.5	.23	85.9	85.2	15	
27.40	1063	35.7	1131	1008	15	76.6	.25	77.0	76.3	15	
27.50	1286	30.1	1348	1250	7	67.4	.23	67.7	67.1	7	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	11.09	.442	11.43	10.44	7	334.2	.47	334.6	333.3	7	
24.80	10.49	.260	10.76	10.14	8	314.2	1.44	315.6	312.3	8	
25.00	9.80	.296	10.12	8.94	15	295.3	1.46	296.5	291.3	15	
25.20	9.21	.243	9.63	8.60	17	276.0	1.49	277.5	272.7	17	
25.40	8.64	.365	9.28	8.20	17	257.9	.95	258.5	255.7	17	
25.60	8.28	.359	8.97	7.59	17	238.8	.67	239.5	236.6	17	
25.80	8.05	.355	8.68	7.19	17	219.9	.30	220.4	218.0	17	
26.00	7.88	.357	8.58	7.02	17	201.2	.23	201.5	200.4	17	
26.20	7.71	.375	8.49	6.90	17	182.4	.09	182.4	181.6	17	
26.40	7.47	.290	8.06	6.99	17	163.5	.09	163.4	163.1	17	
26.60	6.91	.165	7.24	6.62	17	144.3	.08	144.4	144.1	17	
26.80	5.78	.125	5.95	5.56	17	125.1	.08	125.3	124.8	17	
27.00	4.79	.093	5.00	4.65	16	106.1	.08	106.2	106.0	16	
27.10	4.40	.094	4.54	4.24	15	96.6	.07	96.7	96.5	15	
27.20	4.02	.090	4.17	3.88	15	87.1	.06	87.2	87.0	15	
27.30	3.67	.085	3.80	3.54	15	77.6	.04	77.6	77.5	15	
27.40	3.24	.081	3.40	3.17	15	68.0	.13	68.1	67.7	15	
27.50	2.77	.077	2.88	2.67	7	58.5	.11	58.5	58.2	7	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP04 NOVEMBER 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	1.123	.3525	1.560	.660	7	.20	.120	.37	.06	7	
24.80	.371	.2002	1.730	1.110	8	.29	.086	.45	.19	8	
25.00	1.524	.3739	1.850	.380	15	.50	.147	.56	.02	15	
25.20	1.742	.2658	2.070	1.160	17	.50	.147	.70	.23	17	
25.40	2.022	.3674	2.560	1.430	17	.68	.228	1.01	.34	17	
25.60	2.306	.4134	2.820	1.650	17	.89	.297	1.24	.45	17	
25.80	2.599	.4442	3.150	1.860	17	1.15	.369	1.62	.61	17	
26.00	2.863	.4769	3.470	2.050	17	1.41	.447	2.04	.75	17	
26.20	3.165	.4593	3.730	2.440	17	1.75	.473	2.42	1.01	17	
26.40	3.679	.4432	4.160	2.840	17	2.44	.543	3.17	1.40	17	
26.60	4.745	.6212	5.890	3.600	17	4.47	.298	.48	2.64	17	
26.80	6.610	.7849	5.240	5.290	17	9.90	.2.603	16.44	6.60	17	
27.00	8.813	.7711	10.340	7.540	16	19.73	.488	28.08	15.41	16	
27.10	9.821	.6948	10.920	8.680	15	25.70	.322	32.81	21.59	15	
27.20	10.982	.7134	12.100	9.800	15	35.84	.777	39.95	28.91	15	
27.30	12.267	.6840	13.310	11.060	15	44.54	.898	50.62	38.83	15	
27.40	13.753	.6835	14.330	12.670	15	59.38	.4527	67.09	53.62	15	
27.50	15.390	.6052	16.320	14.670	15	78.97	.4.309	87.36	74.60	15	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	12.200	.2465	12.530	11.937	6	13.293	.5328	13.795	12.577	6	
24.80	11.967	.4140	12.356	11.261	13	14.276	.4982	14.706	12.516	13	
25.00	11.680	.3566	12.193	11.187	13	15.101	.4156	15.613	12.364	15	
25.20	11.406	.3225	12.015	10.982	15	12.981	.3805	13.510	12.300	15	
25.40	11.110	.2449	11.861	10.892	15	12.864	.3673	13.378	12.217	15	
25.60	10.828	.2991	11.718	10.495	15	12.726	.4501	13.218	12.114	15	
25.80	10.541	.3436	11.588	10.083	15	12.566	.3340	13.692	11.996	15	
26.00	10.283	.3530	11.340	9.726	15	12.383	.3183	12.956	11.863	15	
26.20	9.992	.3533	11.049	9.450	15	12.176	.3046	12.793	11.702	15	
26.40	9.505	.1807	9.778	9.108	15	11.936	.2910	12.575	11.501	15	
26.60	8.456	.1810	8.766	7.966	15	11.620	.2564	12.175	11.252	15	
26.80	6.614	.2896	7.076	5.861	15	11.130	.2031	11.543	10.858	15	
27.00	4.468	.2830	4.874	3.845	15	10.356	.1424	10.596	10.189	15	
27.10	3.357	.3005	3.698	2.694	15	9.845	.1094	10.035	9.719	15	
27.20	2.195	.3036	2.567	1.703	15	9.235	.0742	9.365	9.148	15	
27.30	.909	.2685	1.502	.491	15	7.517	.0397	8.577	8.466	15	
27.40	-0.575	.2995	-0.131	-1.126	7	7.643	.0171	7.672	7.615	15	
27.50	-2.202	.2472	-1.926	-2.716	7	6.555	.0452	6.621	6.503	15	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	6.16	.001	6.16	6.16	2	14.92	1.8	14.93	14.89	2	
24.80	5.93	.255	6.11	6.75	2	14.90	1.2	14.91	14.88	2	
25.00	6.04	.478	6.65	5.23	2	14.87	1.3	14.88	14.83	2	
25.20	5.71	.534	6.35	4.77	2	14.83	1.0	14.87	14.83	2	
25.40	5.39	.637	6.33	4.36	2	14.82	1.2	14.86	14.81	2	
25.60	4.92	.609	5.93	4.02	2	14.82	1.4	14.85	14.79	2	
25.80	4.45	.572	5.49	3.78	2	14.82	1.5	14.84	14.78	2	
26.00	4.02	.536	5.04	3.56	2	14.82	1.4	14.84	14.78	2	
26.20	3.71	.570	4.72	3.17	2	14.82	1.7	14.85	14.78	2	
26.40	3.34	.650	4.43	2.58	2	14.82	1.2	14.84	14.80	2	
26.60	2.97	.491	3.55	2.28	2	14.81	1.2	14.83	14.79	2	
27.00	1.87	.121	2.05	1.77	2	14.79	1.2	14.81	14.77	2	
27.10	.81	.040	.87	.75	2	14.78	.6	14.80	14.77	2	
27.20	.53	.031	.56	.48	2	14.78	.7	14.79	14.77	2	
27.30	.39	.026	.41	.35	2	14.79	.5	14.80	14.79	2	
27.40	.39	.023	.36	.30	2	14.81	.7	14.82	14.80	2	
27.50	.58	.024	.43	.37	2	14.83	.5	14.83	14.82	2	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP04 D E C E M B E R 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	9.39	.014	9.97	9.95	1	31.316	.041	31.694	31.688	1	
24.40	9.96	.014	10.48	9.66	24	31.691	.016	32.057	31.982	4	
24.60	10.15	.057	10.43	9.72	11	32.016	.038	32.317	32.194	11	
24.80	10.12	.237	10.43	9.90	18	32.246	.045	32.517	32.297	18	
25.00	9.64	.294	10.05	9.13	18	32.404	.063	32.699	32.381	19	
25.20	9.05	.369	9.81	8.30	19	32.542	.081	32.888	32.570	19	
25.40	8.51	.453	9.55	7.93	19	32.688	.100	32.936	32.702	19	
25.60	7.98	.511	9.02	7.25	19	32.841	.106	32.996	32.938	18	
25.80	7.77	.486	9.00	7.14	18	33.056	.093	32.524	32.397	18	
26.00	7.63	.456	8.89	6.80	18	33.283	.075	32.722	32.664	18	
26.20	7.51	.406	8.61	6.85	18	33.416	.054	33.896	33.664	18	
26.40	7.35	.297	8.19	6.92	18	33.741	.040	33.995	33.859	18	
26.60	6.83	.229	7.35	6.57	18	33.984	.036	34.039	33.927	17	
26.80	5.77	.228	6.12	5.41	17	34.096	.022	34.136	34.060	17	
27.00	4.83	.157	5.16	4.58	17	34.170	.015	34.188	34.145	17	
27.10	4.46	.167	4.59	4.27	17	34.249	.018	34.271	34.214	17	
27.20	4.11	.140	4.28	3.84	17	34.322	.014	34.354	34.308	17	
27.30	3.78	.109	3.95	3.59	17	34.408	.012	34.426	34.391	14	
27.40	3.37	.104	3.51	3.23	14	34.463	.000	34.463	34.462	4	
27.50	2.75	.017	2.76	2.72	4	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
DEPTH						SVA					
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	373.0	.21	354.2	353.9	2	
24.20	10	.12	22	12	4	354.1	.24	335.2	334.7	4	
24.40	14	.12	27	22	4	355.0	.24	335.2	315.8	18	
24.60	16	.11	51	31	18	316.3	.31	316.6	297.8	19	
24.80	32	.17	60	39	18	297.5	.16	278.9	278.2	19	
25.00	52	.75	70	44	19	278.6	.19	259.9	259.4	19	
25.20	58	.84	77	53	19	259.6	.17	240.7	240.3	19	
25.40	65	.91	104	59	18	240.7	.21	222.3	221.4	18	
25.60	76	.12	118	76	18	221.9	.22	203.5	202.7	18	
25.80	88	.14	129	95	18	203.2	.22	184.8	184.0	18	
26.00	105	.14	144	126	18	184.4	.26	166.4	165.4	18	
26.20	122	.13	179	164	18	165.9	.46	148.7	146.9	18	
26.40	151	.14	179	126	18	147.7	.49	131.1	129.0	17	
26.60	210	.28	285	270	17	129.8	.37	112.8	111.4	17	
26.80	333	.30	413	449	17	103.1	.36	103.8	102.6	17	
27.00	512	.28	566	560	17	94.3	.38	94.9	93.7	17	
27.10	611	.30	665	560	17	85.5	.30	86.1	85.1	17	
27.20	733	.28	779	674	17	76.6	.29	77.2	76.3	14	
27.30	876	.36	952	795	17	67.1	.14	67.3	67.0	4	
27.40	1054	.34	1109	975	14	n/a	n/a	n/a	n/a	0	
27.50	1291	.23	1323	1267	4	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
THETA						SVA (THETA)					
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	372.6	.13	353.6	353.4	2	
24.20	9.39	.014	9.97	9.95	1	353.5	.13	334.6	326.2	4	
24.40	9.96	.014	10.47	9.66	24	332.4	4.13	315.6	311.2	11	
24.60	10.14	.354	10.47	9.72	11	295.7	1.04	296.5	293.2	18	
24.80	10.12	.237	10.43	9.72	18	276.6	1.43	277.6	273.0	19	
25.00	9.64	.295	10.04	9.12	19	257.8	1.34	258.5	253.5	19	
25.20	9.04	.372	9.81	9.29	19	239.0	.90	239.5	235.8	19	
25.40	8.50	.456	9.54	7.93	19	220.2	.38	220.5	219.3	18	
25.60	7.97	.514	9.92	7.24	18	201.4	.24	201.4	200.6	18	
25.80	7.76	.486	8.99	7.13	18	182.4	.10	182.4	182.0	18	
26.00	7.62	.456	8.88	6.79	18	163.4	.11	163.4	163.0	18	
26.20	7.50	.406	8.60	6.84	18	144.4	.07	144.4	144.2	18	
26.40	7.34	.297	8.17	6.91	18	125.2	.15	125.3	124.9	17	
26.60	6.81	.229	7.32	6.55	18	106.2	.09	106.3	106.0	17	
26.80	5.74	.227	6.99	5.58	17	96.6	.07	96.7	96.5	17	
27.00	4.79	.157	5.66	4.54	17	87.1	.06	87.2	87.0	17	
27.10	4.41	.105	4.54	4.23	17	77.6	.04	77.6	77.5	17	
27.20	4.05	.137	4.52	3.79	17	68.0	.09	68.1	67.8	14	
27.30	3.71	.109	3.88	3.52	14	58.4	.15	58.5	58.2	4	
27.40	3.29	.105	3.44	3.15	14	n/a	n/a	n/a	n/a	0	
27.50	2.66	.017	2.67	2.63	4	n/a	n/a	n/a	n/a	0	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP04 D E C E M B E R 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	.390	n/a	n/a	n/a	0	.02	n/a	n/a	n/a	0	
24.40	.500	.4525	.820	.180	2	.05	.064	.09	.00	24	
24.60	.565	.4088	.970	.070	4	.06	.062	.13	.00	4	
24.80	1.074	.5889	1.650	.100	118	.22	.163	.48	.00	118	
25.00	1.651	.2406	1.890	.930	18	.44	.111	.58	.15	18	
25.20	1.825	.2729	2.170	1.100	199	.55	.146	.77	.22	199	
25.40	2.011	.2901	2.350	1.450	199	.66	.171	.91	.30	199	
25.60	2.302	.3662	3.030	1.600	188	.88	.269	1.53	.39	188	
25.80	2.576	.4207	3.360	1.990	188	1.12	.353	1.91	.47	188	
26.00	2.919	.4082	3.600	2.330	188	1.47	.393	2.22	.74	188	
26.20	3.256	.3970	3.830	2.870	188	1.85	.424	2.52	1.04	188	
26.40	3.773	.3705	4.980	3.810	188	2.57	.471	.53	1.65	188	
26.60	4.699	.5045	5.900	5.400	17	4.33	1.059	.726	2.73	18	
26.80	6.396	.5231	7.680	5.400	17	9.07	1.625	13.53	5.92	17	
27.00	8.566	.4992	9.560	7.580	17	18.44	2.165	22.97	13.93	17	
27.10	9.645	.4960	10.630	8.780	17	24.68	2.598	29.74	20.13	17	
27.20	10.854	.4541	11.680	9.980	17	35.00	2.734	37.44	28.06	17	
27.30	12.151	.4834	13.010	11.060	17	43.76	3.651	50.21	36.24	17	
27.40	13.632	.5358	14.620	12.540	14	58.11	4.135	65.71	49.65	14	
27.50	15.370	.2909	15.750	15.070	4	78.66	2.356	81.91	76.41	4	
27.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	12.691	n/a	n/a	n/a	1	
24.00	12.598	9.369	13.282	11.877	1	13.021	.5063	13.379	12.663	2	
24.20	12.539	.6157	13.082	11.720	4	13.119	.3484	13.356	12.617	4	
24.40	12.581	.5288	12.894	11.411	9	13.111	.3014	13.642	12.559	9	
24.60	12.187	.5288	11.867	11.012	16	13.033	.2776	13.539	12.476	16	
24.80	11.495	.3033	11.727	10.784	17	12.912	.2712	13.427	12.375	17	
25.00	11.294	.3190	11.598	10.520	17	12.796	.2668	13.308	12.259	17	
25.20	11.111	.3622	11.457	10.264	17	12.663	.2619	13.180	12.125	17	
25.40	10.812	.3789	11.164	9.932	17	12.506	.2566	13.034	11.981	17	
25.60	10.526	.3418	10.910	9.691	17	12.325	.2510	12.859	11.823	17	
25.80	10.173	.3104	10.540	9.469	17	12.112	.2444	12.644	11.642	17	
26.00	9.839	.2238	9.880	9.132	17	11.861	.2355	12.377	11.425	17	
26.20	9.346	.1822	8.887	8.141	17	11.541	.2135	12.010	11.166	17	
26.40	8.480	.2675	7.293	5.989	17	11.070	.1728	11.449	10.796	17	
26.60	6.711	.2400	5.112	4.097	17	10.323	.1212	10.544	10.124	17	
26.80	4.542	.2494	3.916	3.027	17	9.821	.1003	9.986	9.637	17	
27.00	3.461	.2225	2.677	1.865	17	9.226	.0769	9.341	9.069	17	
27.20	2.255	.2948	1.593	1.327	17	8.516	.0475	8.591	8.424	17	
27.30	0.955	.2807	1.119	-0.954	14	7.653	.0224	7.695	7.623	14	
27.40	-0.499	.1636	-2.068	-2.456	4	6.520	.0142	6.540	6.508	4	
27.50	-2.232	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	1484	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	1486	.0	1486	1486	2	
24.20	n/a	n/a	n/a	n/a	0	1487	1.7	1489	1485	4	
24.40	n/a	n/a	n/a	n/a	0	1488	1.0	1489	1486	11	
24.60	n/a	n/a	n/a	n/a	0	1487	1.2	1488	1484	18	
24.80	n/a	n/a	n/a	n/a	0	1485	1.7	1488	1481	19	
25.00	n/a	n/a	n/a	n/a	0	1483	2.0	1487	1480	19	
25.20	n/a	n/a	n/a	n/a	0	1481	2.1	1485	1478	18	
25.40	n/a	n/a	n/a	n/a	0	1481	2.0	1486	1479	18	
25.60	n/a	n/a	n/a	n/a	0	1481	2.0	1486	1477	18	
25.80	n/a	n/a	n/a	n/a	0	1481	1.8	1486	1478	18	
26.00	n/a	n/a	n/a	n/a	0	1481	1.4	1485	1479	18	
26.20	n/a	n/a	n/a	n/a	0	1480	1.1	1483	1479	18	
26.40	n/a	n/a	n/a	n/a	0	1478	1.3	1481	1476	17	
26.60	n/a	n/a	n/a	n/a	0	1477	.9	1479	1476	17	
26.80	n/a	n/a	n/a	n/a	0	1478	.7	1479	1477	17	
27.00	n/a	n/a	n/a	n/a	0	1478	.8	1479	1477	17	
27.20	n/a	n/a	n/a	n/a	0	1480	.6	1481	1479	17	
27.30	n/a	n/a	n/a	n/a	0	1481	.7	1482	1480	14	
27.40	n/a	n/a	n/a	n/a	0	1482	.5	1483	1482	4	
27.50	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

Table 16. As in Table 12, for Station 4 (P06).

Table 16 : STATION MP06 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	11.34	2.696	17.90	6.80	231	32.146	.2777	32.690	30.974	231
10	11.22	2.609	17.40	6.64	231	32.162	.2621	32.710	30.978	231
20	10.86	2.379	16.68	6.61	231	32.219	.2094	32.720	31.500	231
30	10.16	1.938	15.96	6.27	231	32.300	.1653	32.728	31.833	231
50	8.73	1.055	13.77	6.23	231	32.466	.1244	32.831	32.042	231
75	7.97	.747	10.13	6.16	231	32.752	.2486	33.630	32.356	231
100	7.74	.619	10.14	6.29	230	33.183	.3071	33.860	32.472	230
125	7.54	.560	10.31	6.58	230	33.530	.2378	33.996	32.445	230
150	7.35	.538	10.18	6.45	230	33.741	.1511	34.060	32.858	230
175	7.11	.478	9.53	6.29	230	33.848	.0803	34.079	33.436	230
200	6.85	.439	8.97	6.06	230	33.895	.0559	34.100	33.597	230
225	6.58	.421	8.48	5.76	230	33.921	.0418	34.100	33.755	230
250	6.33	.411	8.04	5.57	230	33.938	.0361	34.110	33.841	230
300	5.89	.392	7.39	5.26	229	33.965	.0354	34.120	33.860	229
400	5.21	.332	6.49	4.43	223	34.020	.0306	34.149	33.917	223
500	4.75	.247	5.84	4.21	220	34.091	.0295	34.198	34.016	220
600	4.40	.179	5.21	4.01	217	34.166	.0291	34.259	34.069	217
700	4.12	.138	4.64	3.80	215	34.236	.0277	34.329	34.151	215
800	3.88	.116	4.22	3.61	215	34.296	.0265	34.400	34.217	215
900	3.65	.099	3.94	3.40	214	34.344	.0250	34.429	34.272	214
1000	3.43	.086	3.71	3.16	213	34.386	.0229	34.474	34.319	213
1200	3.02	.069	3.25	2.71	204	34.449	.0214	34.541	34.375	204
1500	2.49	.055	2.62	2.35	128	34.516	.0186	34.590	34.435	128
2000	1.93	.029	2.02	1.88	57	34.596	.0098	34.617	34.564	57
SIGMA T										
PRESS	MEAN	S.D.	MAX	MIN	N	SVA				
0	24.484	.6173	25.484	22.932	231	345.9	58.83	493.9	250.6	231
10	24.520	.5877	25.459	23.022	231	342.6	56.04	485.6	253.1	231
20	24.633	.5211	25.519	23.278	231	343.0	49.72	461.4	247.5	231
30	24.824	.4064	25.539	23.590	231	341.0	38.79	431.9	245.7	231
50	25.196	.2155	25.673	24.088	231	278.8	20.59	384.8	233.4	231
75	25.535	.2379	26.197	24.955	231	246.9	22.65	302.4	184.1	231
100	25.906	.2728	26.407	25.063	230	212.1	25.94	292.5	164.6	230
125	26.208	.2259	26.539	25.152	230	183.8	21.51	284.5	152.5	230
150	26.400	.1680	26.613	25.347	230	165.9	16.05	266.5	145.8	230
175	26.517	.1100	26.675	25.872	230	155.1	10.57	217.0	140.2	230
200	26.590	.0852	26.738	26.080	230	148.4	8.23	197.6	134.6	230
225	26.647	.0672	26.773	26.253	230	143.3	6.53	181.4	131.2	230
250	26.693	.0556	26.807	26.401	230	139.2	5.45	167.7	128.3	230
300	26.771	.0464	26.872	26.567	229	132.2	4.61	152.5	122.5	229
400	26.897	.0402	26.988	26.749	223	120.9	4.03	136.0	112.3	223
500	27.006	.0366	27.089	26.866	220	111.3	3.68	125.7	103.4	220
600	27.103	.0315	27.179	26.957	217	102.6	3.13	117.5	95.4	217
700	27.189	.0267	27.262	27.080	215	95.1	2.64	106.1	88.2	215
800	27.261	.0237	27.343	27.181	215	88.7	2.32	96.9	81.1	215
900	27.323	.0219	27.396	27.261	214	83.3	2.15	89.7	76.4	214
1000	27.377	.0199	27.448	27.328	213	78.5	1.97	83.2	71.9	213
1200	27.466	.0182	27.541	27.412	204	70.4	1.75	75.3	63.5	204
1500	27.566	.0157	27.631	27.505	128	61.1	1.52	66.7	55.0	128
2000	27.676	.0083	27.693	27.654	57	50.9	.77	52.6	49.2	57
THETA										
PRESS	MEAN	S.D.	MAX	MIN	N	SVA (THETA)				
0	11.34	2.696	17.90	6.80	231	345.9	58.83	493.9	250.6	231
10	11.22	2.609	17.40	6.64	231	342.4	56.00	485.3	253.0	231
20	10.86	2.379	16.68	6.61	231	341.6	49.63	460.7	247.2	231
30	10.16	1.937	15.96	6.27	231	341.3	38.69	431.0	245.4	231
50	8.72	1.052	13.76	6.23	231	277.9	20.50	383.4	232.6	231
75	7.96	.747	10.12	6.15	231	245.7	22.61	300.9	182.7	231
100	7.73	.619	10.13	6.28	230	210.4	25.91	290.4	162.8	230
125	7.53	.560	10.30	6.57	230	181.7	21.45	281.9	150.2	230
150	7.34	.537	10.16	6.44	230	163.4	15.95	263.4	143.2	230
175	7.10	.478	9.51	6.28	230	152.3	10.43	213.4	137.2	230
200	6.83	.439	8.95	6.04	230	145.3	8.07	193.7	131.3	230
225	6.56	.421	8.46	5.74	230	139.9	6.35	177.2	127.9	230
250	6.31	.410	8.01	5.55	230	135.5	5.26	163.1	124.7	230
300	5.86	.390	7.36	5.24	229	128.1	4.39	147.4	118.5	229
400	5.17	.331	6.45	4.40	229	116.1	3.79	130.0	107.4	223
500	4.71	.247	5.80	4.17	220	105.7	3.46	118.9	97.8	220
600	4.36	.178	5.16	3.97	217	96.4	2.97	110.2	89.2	217
700	4.07	.137	4.58	3.75	215	88.3	2.52	98.5	81.3	215
800	3.82	.115	4.16	3.55	215	81.4	2.23	88.9	73.6	215
900	3.58	.098	3.87	3.34	214	75.5	2.07	81.3	68.6	214
1000	3.36	.086	3.64	3.09	213	70.3	1.89	74.9	63.6	213
1200	2.93	.067	3.16	2.63	204	61.7	1.70	66.9	54.7	204
1500	2.39	.054	2.52	2.25	128	52.2	1.48	58.0	46.1	128
2000	1.79	.028	1.88	1.74	57	41.6	.75	43.7	40.0	57

STATION MP06 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	231	.00	.000	.00	.00	231
10	.345	.0581	.490	.250	231	.02	.004	.03	.01	231
20	.684	.1102	.960	.510	231	.07	.011	.10	.05	231
30	1.008	.1507	1.400	.750	231	.15	.022	.21	.12	231
50	1.600	.1868	2.100	1.250	231	.39	.038	.50	.32	231
75	2.259	.2076	2.830	1.800	231	.81	.059	1.02	.66	231
100	2.831	.2438	3.490	2.230	230	1.32	.105	1.64	1.04	230
125	3.324	.2853	4.090	2.630	230	1.88	.166	2.37	1.49	230
150	3.759	.3171	4.630	3.000	230	2.49	.224	3.32	2.01	230
175	4.159	.3388	5.090	3.350	230	3.16	.270	4.32	2.60	230
200	4.538	.3532	5.530	3.700	230	3.88	.306	5.28	3.26	230
225	4.903	.3644	6.000	4.030	230	4.67	.339	6.31	3.98	230
250	5.255	.3730	6.420	4.350	230	5.52	.366	7.34	4.77	230
300	5.934	.3860	7.170	4.980	229	7.42	.418	9.45	6.53	229
400	7.201	.4088	8.580	6.180	223	11.93	.528	14.51	10.80	223
500	8.363	.4283	9.830	7.290	220	17.25	.670	20.52	15.85	220
600	9.431	.4469	11.000	8.300	217	23.24	.829	27.19	21.53	217
700	10.419	.4663	12.960	9.240	215	29.78	.979	34.18	27.77	215
800	11.337	.4723	13.010	10.100	215	36.79	1.135	41.47	34.27	215
900	12.198	.4858	13.910	10.910	214	44.25	1.303	49.16	41.08	214
1000	12.998	.4833	14.740	11.670	213	52.05	1.423	57.09	48.25	213
1200	14.474	.5058	16.270	13.070	204	68.66	1.754	74.75	63.40	204
1500	16.369	.4423	18.060	15.580	128	95.55	1.985	100.59	90.59	128
2000	19.237	.4721	20.860	18.440	57	145.33	2.381	150.86	140.44	57

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.42	.423	6.98	5.09	26	1491	9.3	1512	1475	231
10	6.52	.353	7.13	5.95	26	1491	9.0	1511	1474	231
20	6.46	.391	7.23	5.65	26	1490	8.3	1509	1475	231
30	6.47	.340	7.02	5.83	26	1488	6.8	1507	1473	231
50	6.37	.316	6.86	5.73	26	1483	3.9	1501	1473	231
75	5.47	.801	6.60	5.80	26	1481	2.9	1489	1474	231
100	4.37	.876	6.36	5.72	26	1481	2.4	1489	1475	230
125	3.73	.679	5.86	5.69	26	1481	2.1	1491	1477	230
150	3.35	.569	4.60	4.44	26	1481	1.8	1490	1478	230
175	3.06	.496	4.37	2.35	26	1480	1.8	1488	1477	230
200	2.88	.425	3.84	2.26	26	1480	1.7	1487	1476	230
225	2.74	.353	3.60	2.20	26	1479	1.7	1486	1476	230
250	2.61	.337	3.41	2.09	26	1478	1.6	1484	1475	229
300	2.14	.318	2.85	1.56	26	1477	1.4	1482	1474	223
400	1.44	.254	1.86	1.01	26	1477	1.1	1481	1475	220
500	.90	.178	1.35	.62	26	1477	.8	1480	1476	217
600	.60	.125	.88	.44	26	1478	.6	1480	1476	215
700	.46	.086	.63	.28	24	1478	.6	1480	1476	215
800	.35	.079	.50	.14	24	1479	.5	1480	1477	215
900	.34	.069	.46	.19	24	1479	.4	1480	1478	214
1000	.35	.069	.50	.23	23	1480	.4	1481	1479	213
1200	.44	.072	.57	.30	22	1482	.5	1483	1480	204
1500	.79	.109	1.03	.60	20	1484	.5	1485	1484	128
2000	1.46	.085	1.61	1.23	17	1490	.5	1491	1490	57

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.998	.4833	14.739	11.671	215
10	12.652	.4578	14.436	11.411	215
20	12.313	.4377	14.132	11.159	215
30	11.989	.4213	13.828	10.908	215
50	11.396	.3981	13.219	10.407	215
75	10.737	.3701	12.463	9.868	215
100	10.166	.3359	11.727	9.439	215
125	9.673	.3017	11.007	8.954	215
150	9.239	.2735	10.313	8.536	215
175	8.839	.2529	9.781	8.167	215
200	8.460	.2375	9.371	7.820	215
225	8.096	.2247	8.976	7.484	215
250	7.743	.2134	8.589	7.160	215
300	7.064	.1932	7.845	6.533	215
400	5.801	.1564	6.447	5.357	215
500	4.641	.1230	5.143	4.280	215
600	3.573	.0924	3.930	3.291	215
700	2.586	.0659	2.811	2.371	215
800	1.668	.0420	1.793	1.526	215
900	.808	.0204	.865	.740	215
1000	.000	.000	.000	.000	213
1200	-1.485	.0367	-1.352	-1.576	204
1500	-3.455	.0758	-3.207	-3.689	128
2000	-6.250	.1010	-6.018	-6.526	57

Table 17. As in Table 13, for Station 4 (P06).

Table 17:

STATION MP06 J A N U A R Y 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.64	.545	9.49	7.40	14	32.362	.1184	32.580	32.095	14	
10	8.62	.659	9.50	6.86	14	32.361	.1111	32.580	32.127	14	
20	8.62	.659	9.50	6.87	14	32.367	.1142	32.590	32.137	14	
30	8.62	.657	9.50	6.89	14	32.373	.1091	32.590	32.182	14	
50	8.63	.629	9.52	7.01	14	32.404	.0999	32.590	32.230	14	
75	8.08	.547	9.01	7.25	14	32.771	.2465	33.246	32.434	14	
100	7.64	.389	8.42	7.12	14	33.213	.2731	33.568	32.747	14	
125	7.39	.243	7.91	7.07	14	33.561	.1763	33.800	33.226	14	
150	7.25	.234	7.84	6.84	14	33.756	.1142	33.888	33.490	14	
175	7.03	.216	7.50	6.63	14	33.857	.0616	33.940	33.720	14	
200	6.78	.203	7.17	6.50	14	33.903	.0366	33.949	33.840	14	
225	6.52	.162	6.80	6.28	14	33.930	.0285	33.971	33.687	14	
250	6.27	.184	6.56	6.01	14	33.944	.0282	33.987	33.899	14	
300	5.83	.255	6.21	5.47	14	33.963	.0244	34.002	33.920	14	
400	5.19	.277	5.55	4.78	13	34.015	.0302	34.055	33.960	13	
500	4.79	.188	5.04	4.41	13	34.089	.0297	34.127	34.042	13	
600	4.46	.105	4.65	4.30	12	34.170	.0265	34.210	34.121	12	
700	4.19	.095	4.40	4.02	12	34.238	.0269	34.276	34.178	12	
800	3.95	.100	4.13	3.77	12	34.295	.0262	34.346	34.259	12	
900	3.71	.110	3.87	3.52	12	34.344	.0239	34.387	34.311	12	
1000	3.49	.074	3.57	3.38	12	34.384	.0250	34.432	34.351	12	
1200	3.06	.053	3.15	2.98	12	34.449	.0229	34.490	34.410	12	
1500	2.53	.029	2.58	2.49	8	34.528	.0081	34.541	34.515	8	
2000	1.94	.042	2.00	1.90	4	34.600	.0063	34.610	34.591	4	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	25.132	.1335	25.348	24.927	14	284.0	12.70	303.6	263.6	14	
10	25.134	.1356	25.349	24.955	14	284.1	12.91	301.1	263.6	14	
20	25.139	.1365	25.354	24.958	14	283.7	13.01	301.0	263.3	14	
30	25.144	.1355	25.356	24.957	14	283.4	12.92	301.3	263.1	14	
50	25.167	.1471	25.489	24.952	14	281.6	14.04	302.1	250.8	14	
75	25.536	.2383	25.910	25.133	14	246.9	22.67	285.2	211.2	14	
100	25.946	.2371	26.276	25.469	14	208.3	22.54	253.7	176.8	14	
125	26.254	.1224	26.477	26.027	14	179.3	11.58	200.8	158.1	14	
150	26.427	.0826	26.587	26.252	14	163.3	7.82	179.8	148.0	14	
175	26.537	.0480	26.651	26.449	14	153.3	4.57	161.5	142.3	14	
200	26.607	.0294	26.680	26.576	14	146.8	2.84	149.9	139.8	14	
225	26.663	.0233	26.698	26.624	14	141.8	2.21	145.6	138.4	14	
250	26.707	.0224	26.745	26.667	14	137.8	2.15	141.7	134.1	14	
300	26.778	.0269	26.823	26.743	14	131.5	2.69	135.0	127.1	14	
400	26.895	.0274	26.933	26.854	13	121.0	2.75	125.2	117.3	13	
500	27.000	.0279	27.035	26.944	13	111.8	2.75	117.3	108.4	13	
600	27.100	.0250	27.131	27.053	12	103.0	2.42	107.5	100.1	12	
700	27.183	.0234	27.211	27.131	12	95.7	2.28	100.7	93.1	12	
800	27.253	.0198	27.290	27.220	12	89.6	1.88	92.7	86.2	12	
900	27.317	.0189	27.347	27.288	12	84.0	1.85	86.7	80.9	12	
1000	27.370	.0210	27.411	27.342	12	79.3	2.02	82.0	75.4	12	
1200	27.462	.0200	27.502	27.428	12	71.0	1.91	74.2	67.0	12	
1500	27.572	.0074	27.586	27.561	8	60.7	.81	61.9	59.3	8	
2000	27.677	.0088	27.688	27.667	4	50.7	.98	52.0	49.6	4	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	8.64	.545	9.49	7.40	14	284.0	12.70	303.6	263.6	14	
10	8.62	.659	9.50	6.86	14	283.9	12.90	300.9	263.5	14	
20	8.61	.658	9.50	6.87	14	283.4	13.01	300.7	262.9	14	
50	8.62	.658	9.50	6.88	14	282.9	12.90	300.8	262.7	14	
75	8.07	.546	9.00	7.24	14	280.7	13.98	301.1	250.1	14	
100	7.63	.389	8.41	7.11	14	245.6	22.65	283.9	210.0	14	
125	7.38	.244	7.90	7.06	14	206.6	22.52	251.9	175.2	14	
150	7.23	.234	7.82	6.82	14	177.3	11.62	198.8	156.1	14	
175	7.01	.217	7.48	6.61	14	160.8	7.85	177.5	145.6	14	
200	6.76	.202	7.15	6.48	14	150.4	4.55	158.7	139.6	14	
225	6.50	.162	6.78	6.26	14	143.7	2.79	146.7	136.8	14	
250	6.25	.184	6.53	5.99	14	138.4	2.18	142.0	135.0	14	
300	5.80	.254	6.18	5.45	14	134.2	2.11	138.0	130.6	14	
400	5.15	.274	5.51	4.75	13	127.4	2.55	130.7	123.2	14	
500	4.75	.187	5.00	4.38	13	116.2	2.59	120.1	112.6	13	
600	4.42	.106	4.60	4.25	12	106.2	2.63	111.5	102.9	13	
700	4.14	.093	4.34	3.97	12	96.7	2.35	101.1	93.8	12	
800	3.88	.098	4.06	3.71	12	88.8	2.24	93.8	86.1	12	
900	3.64	.110	3.80	3.45	12	82.1	1.88	85.2	78.6	12	
1000	3.41	.074	3.50	3.31	12	76.0	1.77	78.7	73.2	12	
1200	2.97	.051	3.06	2.90	12	62.1	1.88	65.4	58.4	12	
1500	2.42	.031	2.48	2.38	8	51.6	.74	52.7	50.3	8	
2000	1.80	.039	1.86	1.77	4	41.5	.82	42.5	40.5	4	

STATION MP06 J A N U A R Y 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	14	.00	.00	.00	.00	14
10	.284	.0128	.300	.260	14	.01	.005	.02	.01	14
20	.568	.0258	.600	.530	14	.06	.004	.06	.05	14
30	.851	.0383	.900	.790	14	.13	.007	.14	.12	14
50	1.421	.0635	1.510	1.310	14	.36	.016	.39	.33	14
75	2.092	.0965	2.220	1.890	14	.79	.042	.86	.70	14
100	2.659	.1277	2.830	2.370	14	1.29	.078	1.41	1.13	14
125	3.139	.1525	3.320	2.800	14	1.84	.117	2.03	1.62	14
150	3.563	.1685	3.760	3.200	14	2.44	.142	2.64	2.18	14
175	3.959	.1780	4.170	3.580	14	3.09	.164	3.33	2.81	14
200	4.334	.1843	4.550	3.950	14	3.81	.175	4.06	3.51	14
225	4.695	.1875	4.920	4.310	14	4.59	.183	4.85	4.27	14
250	5.041	.1891	5.270	4.660	14	5.43	.187	5.71	5.10	14
300	5.716	.1883	5.960	5.340	14	7.32	.184	7.62	7.01	14
400	6.968	.1978	7.240	6.620	13	11.79	.236	12.19	11.41	13
500	8.131	.1970	8.420	7.790	13	17.12	.312	17.62	16.58	13
600	9.211	.2113	9.500	8.860	13	23.16	.433	23.80	22.47	12
700	10.201	.2192	10.520	9.860	12	29.72	.579	30.69	28.78	12
800	11.126	.2248	11.470	10.800	12	36.80	.712	38.11	35.70	12
900	11.994	.2293	12.360	11.670	12	44.31	.831	45.84	42.96	12
1000	12.811	.2371	13.210	12.450	12	52.22	.979	53.98	50.56	12
1200	14.308	.2615	14.770	13.870	12	69.00	1.400	71.46	66.50	12
1500	16.193	.2393	16.550	15.770	12	95.38	1.568	96.74	92.50	12
2000	18.945	.3621	19.370	18.500	4	144.69	2.794	147.30	141.10	4

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1482	2.1	1485	1477	14
10	n/a	n/a	n/a	n/a	0	1482	2.6	1485	1475	14
20	n/a	n/a	n/a	n/a	0	1482	2.6	1485	1475	14
30	n/a	n/a	n/a	n/a	0	1482	2.5	1486	1476	14
50	n/a	n/a	n/a	n/a	0	1483	2.3	1486	1477	14
75	n/a	n/a	n/a	n/a	0	1483	2.1	1485	1478	14
100	n/a	n/a	n/a	n/a	0	1481	1.4	1483	1479	14
125	n/a	n/a	n/a	n/a	0	1481	1.2	1483	1479	14
150	n/a	n/a	n/a	n/a	0	1481	1.0	1483	1479	14
175	n/a	n/a	n/a	n/a	0	1481	0.9	1482	1479	14
200	n/a	n/a	n/a	n/a	0	1479	0.8	1482	1479	14
225	n/a	n/a	n/a	n/a	0	1479	0.8	1481	1478	14
250	n/a	n/a	n/a	n/a	0	1479	0.8	1480	1478	14
300	n/a	n/a	n/a	n/a	0	1478	1.1	1479	1476	14
400	n/a	n/a	n/a	n/a	0	1477	0.9	1478	1475	13
500	n/a	n/a	n/a	n/a	0	1477	0.9	1478	1475	13
600	n/a	n/a	n/a	n/a	0	1478	0.6	1479	1477	12
700	n/a	n/a	n/a	n/a	0	1478	0.4	1479	1477	12
800	n/a	n/a	n/a	n/a	0	1479	0.6	1480	1478	12
900	n/a	n/a	n/a	n/a	0	1480	0.5	1480	1479	12
1000	n/a	n/a	n/a	n/a	0	1480	0.5	1481	1480	12
1200	n/a	n/a	n/a	n/a	0	1482	0.3	1482	1481	12
1500	n/a	n/a	n/a	n/a	0	1485	0.5	1485	1484	8
2000	n/a	n/a	n/a	n/a	0	1490	0.5	1491	1490	4

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.811	.2361	13.208	12.454	12
10	12.524	.2291	12.998	12.182	12
20	12.238	.2227	12.607	11.910	12
30	11.952	.2169	12.906	11.638	12
50	11.377	.2086	11.702	11.085	12
75	10.706	.1988	10.990	10.418	12
100	10.150	.1851	10.456	9.846	12
125	9.674	.1787	9.995	9.369	12
150	9.252	.1761	9.570	8.950	12
175	8.859	.1746	9.173	8.567	12
200	8.486	.1724	8.790	8.199	12
225	8.125	.1703	8.421	7.843	12
250	7.775	.1669	8.062	7.500	12
300	7.099	.1594	7.375	6.838	12
400	5.840	.1267	6.083	5.653	12
500	4.676	.1022	4.870	4.524	12
600	3.601	.0792	3.746	3.481	12
700	2.610	.0586	2.704	2.514	12
800	1.684	.0376	1.736	1.623	12
900	.816	.0260	.843	.784	12
1000	.000	.0000	.000	.000	12
1200	-1.498	.0418	-1.420	-1.560	12
1500	-3.435	.0663	-3.311	-3.501	4
2000	-6.214	.1317	-6.043	-6.345	4

STATION MP06 FEBRUARY 1956 to 1990

TEMPERATURE

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.85	.819	9.25	6.80	14	32.354	.1881	32.580	31.790	14
10	7.83	.823	9.22	6.64	14	32.354	.1874	32.580	31.790	14
20	7.82	.843	9.21	6.61	14	32.362	.1889	32.580	31.790	14
30	7.81	.886	9.24	6.27	14	32.374	.1767	32.587	31.833	14
50	7.80	.911	9.29	6.23	14	32.456	.0768	32.614	32.344	14
75	7.78	.653	8.47	6.16	14	32.910	.3107	33.435	32.440	14
100	7.64	.359	8.24	7.17	14	33.373	.2551	33.733	32.878	14
125	7.45	.380	8.25	7.05	14	33.616	.1708	33.810	33.322	14
150	7.33	.381	8.22	6.89	14	33.783	.0899	33.885	33.588	14
175	7.15	.308	7.72	6.63	14	33.862	.0492	33.943	33.756	14
200	6.91	.273	7.34	6.41	14	33.897	.0355	33.970	33.840	14
225	6.69	.268	7.06	6.17	14	33.921	.0257	33.990	33.887	14
250	6.45	.292	6.90	5.84	14	33.934	.0258	34.009	33.901	14
300	6.03	.323	6.64	5.46	14	33.963	.0172	34.010	33.934	14
400	5.37	.317	5.97	4.74	14	34.020	.0181	34.053	33.995	14
500	4.84	.225	5.23	4.53	14	34.078	.0297	34.122	34.035	14
600	4.45	.125	4.64	4.19	14	34.147	.0320	34.196	34.099	14
700	4.18	.112	4.40	3.99	14	34.221	.0260	34.251	34.171	14
800	3.91	.095	4.10	3.76	14	34.279	.0276	34.316	34.237	14
900	3.68	.065	3.87	3.61	14	34.333	.0269	34.374	34.288	14
1000	3.45	.071	3.66	3.37	14	34.378	.0218	34.407	34.336	14
1200	3.04	.059	3.19	2.97	14	34.443	.0235	34.496	34.406	14
1500	2.51	.035	2.58	2.48	10	34.511	.0221	34.556	34.476	10
2000	1.94	.021	1.96	1.93	2	34.587	.0000	34.591	34.583	2

SIGMA T

SVA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	25.240	.1810	25.484	24.843	14	273.8	.17.22	311.6	250.6	14
10	25.243	.1805	25.459	24.843	14	273.7	.17.18	311.6	253.1	14
20	25.251	.1879	25.519	24.839	14	273.1	.17.91	312.3	247.5	14
30	25.262	.1850	25.539	24.870	14	272.2	.17.63	309.4	245.7	14
50	25.327	.1389	25.544	25.076	14	266.3	.13.29	290.3	245.5	14
75	25.688	.2309	26.045	25.306	14	232.4	.21.91	268.7	198.5	14
100	26.072	.1943	26.290	25.596	14	196.3	.18.42	241.5	175.7	14
125	26.289	.1315	26.473	26.016	14	176.1	.12.45	202.1	158.6	14
150	26.436	.0814	26.560	26.260	14	162.5	.7.79	179.5	150.6	14
175	26.524	.0586	26.621	26.411	14	154.5	.5.62	165.4	145.2	14
200	26.585	.0422	26.663	26.509	14	149.0	.4.08	156.4	141.4	14
225	26.634	.0377	26.713	26.580	14	144.6	.3.67	149.8	136.9	14
250	26.675	.0394	26.755	26.619	14	140.9	.3.87	146.5	133.1	14
300	26.752	.0439	26.828	26.668	14	134.1	.4.34	142.4	126.6	14
400	26.877	.0446	26.949	26.793	14	122.9	.4.50	131.4	115.5	14
500	26.985	.0385	27.046	26.934	14	113.3	.3.85	118.6	107.3	14
600	27.083	.0304	27.135	27.042	14	104.6	.2.98	108.6	99.5	14
700	27.171	.0256	27.209	27.126	14	96.8	.2.48	101.1	93.1	14
800	27.245	.0243	27.279	27.212	14	90.3	.2.36	93.6	87.0	14
900	27.310	.0235	27.347	27.273	14	84.5	.2.25	88.0	81.0	14
1000	27.369	.0193	27.397	27.329	14	79.2	.1.90	83.2	76.4	14
1200	27.459	.0192	27.500	27.425	14	71.1	.1.81	74.5	67.4	14
1500	27.560	.0181	27.595	27.528	10	61.8	.1.68	64.9	58.6	10
2000	27.668	.0058	27.672	27.663	2	51.7	.71	52.2	51.2	2

THETA

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.85	.819	9.25	6.80	14	273.8	.17.22	311.6	250.6	14
10	7.83	.823	9.22	6.64	14	273.6	.17.18	311.6	253.0	14
20	7.82	.843	9.21	6.61	14	272.8	.17.87	312.0	247.2	14
30	7.81	.886	9.24	6.27	14	271.8	.17.59	309.0	245.4	14
50	7.80	.909	9.28	6.23	14	265.5	.13.20	289.4	244.9	14
75	7.77	.693	8.46	6.15	14	231.2	.21.94	267.4	197.2	14
100	7.63	.359	8.23	7.16	14	194.7	.18.45	239.8	173.9	14
125	7.44	.380	8.24	7.04	14	174.0	.12.47	199.9	156.6	14
150	7.32	.380	8.20	6.88	14	160.0	.7.74	176.7	148.2	14
175	7.13	.308	7.40	6.61	14	151.6	.5.56	162.4	142.4	14
200	6.89	.274	7.32	6.39	14	145.8	.3.99	153.0	138.4	14
225	6.67	.268	7.04	6.15	14	141.2	.3.55	146.2	133.7	14
250	6.42	.294	6.88	5.81	14	137.2	.3.74	142.6	129.7	14
300	6.00	.324	6.61	5.43	14	129.9	.4.14	137.8	122.7	14
400	5.34	.315	5.93	4.71	14	117.9	.4.21	125.9	111.2	14
500	4.80	.225	5.19	4.49	14	107.6	.3.64	112.5	101.9	14
600	4.40	.125	4.59	4.14	14	98.3	.2.88	102.2	93.4	14
700	4.12	.112	4.34	3.94	14	90.0	.2.39	94.2	86.4	14
800	3.85	.095	4.04	3.70	14	82.9	.2.30	86.0	79.7	14
900	3.62	.063	3.80	3.55	14	76.6	.2.23	80.2	73.1	14
1000	3.35	.072	3.59	3.29	14	71.0	.1.81	74.8	68.4	14
1200	2.95	.061	3.11	2.88	14	62.4	.1.81	65.7	58.5	14
1500	2.41	.037	2.48	2.37	10	52.8	.1.71	55.8	49.4	10
2000	1.81	.021	1.82	1.79	2	42.5	.64	42.9	42.0	2

STATION MP06 FEBRUARY 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	14	.00	.000	.00	.00	14
10	.273	.0173	.310	.250	14	.01	.003	.02	.01	14
20	.549	.0345	.630	.510	14	.06	.005	.06	.05	14
30	.821	.0517	.930	.750	14	.12	.007	.14	.12	14
50	1.361	.0788	1.520	1.250	14	.35	.019	.38	.32	14
75	1.997	.0968	2.170	1.860	14	.75	.035	.83	.71	14
100	2.526	.1143	2.760	2.380	14	1.22	.068	1.345	1.15	14
125	2.991	.1444	3.280	2.820	14	1.75	.111	1.95	1.63	14
150	3.413	.1625	3.730	2.230	14	2.34	.140	2.60	2.17	14
175	3.808	.1754	4.150	3.610	14	3.00	.164	3.31	2.79	14
200	4.187	.1832	4.540	3.990	14	3.72	.184	4.08	3.47	14
225	4.553	.1891	4.910	4.350	14	4.52	.198	4.91	4.23	14
250	4.909	.1937	5.270	4.700	14	5.38	.214	5.80	5.04	14
300	5.598	.1989	5.960	5.380	14	7.30	.249	7.80	6.85	14
400	6.879	.2030	7.230	6.640	14	11.87	.339	12.45	11.20	14
500	8.061	.2157	8.110	7.760	14	17.29	.490	18.01	16.33	14
600	9.147	.2289	9.520	8.790	14	23.37	.650	24.30	22.13	14
700	10.156	.2391	10.550	9.770	14	30.04	.800	31.11	28.57	14
800	11.089	.2502	11.490	10.670	14	37.19	.962	38.38	35.47	14
900	11.964	.2636	12.390	11.510	14	44.76	1.151	46.19	42.74	14
1000	12.781	.2744	13.220	12.300	14	52.68	1.305	54.29	50.42	14
1200	14.278	.2903	14.750	13.760	14	69.45	1.633	71.32	66.72	14
1500	16.227	.3363	16.780	15.710	10	96.77	2.470	99.34	93.40	10
2000	19.275	.0352	19.300	19.250	2	149.15	.064	149.19	149.10	2

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.79	.226	6.95	6.63	2	1479	3.2	1484	1475	14
10	6.80	.212	6.95	6.65	2	1479	3.3	1484	1474	14
20	6.78	.205	6.93	6.64	2	1479	3.2	1484	1475	14
30	6.77	.163	6.88	6.65	2	1479	3.0	1485	1473	14
50	6.68	.255	6.86	6.50	2	1480	3.6	1485	1473	14
75	4.69	1.259	5.58	3.80	2	1481	2.6	1483	1474	14
100	3.44	1.011	4.15	2.72	2	1481	1.4	1483	1479	14
125	3.11	.594	3.53	2.69	2	1481	1.6	1484	1479	14
150	2.75	.134	2.84	2.65	2	1481	1.7	1485	1479	14
175	2.54	.099	2.61	2.47	2	1481	1.2	1483	1479	14
200	2.53	.148	2.63	2.42	2	1481	1.0	1482	1479	14
225	2.52	.014	2.53	2.51	2	1480	1.1	1482	1478	14
250	2.51	.113	2.59	2.43	2	1479	1.3	1481	1477	14
300	2.20	.099	2.27	2.13	2	1479	1.4	1481	1476	14
400	1.60	.177	1.72	1.47	2	1478	1.4	1480	1475	14
500	.95	.184	1.08	.82	2	1477	1.0	1479	1476	14
600	.70	.028	.72	.68	2	1477	.6	1478	1476	14
700	.53	.021	.54	.51	2	1478	.6	1479	1477	14
800	.36	.064	.41	.32	2	1479	.5	1479	1478	14
900	.34	.071	.39	.29	2	1479	.4	1480	1479	14
1000	.32	.071	.37	.27	2	1480	.3	1481	1480	14
1200	.38	.021	.39	.36	2	1482	.4	1482	1481	14
1500	.69	.000	.69	.69	2	1484	.5	1485	1484	10
2000	1.43	.028	1.45	1.41	2	1491	.7	1491	1490	2

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.781	.2730	13.216	12.302	14
10	12.507	.2777	12.957	11.990	14
20	12.233	.2841	12.699	11.675	14
30	11.960	.2902	12.440	11.367	14
50	11.419	.2948	11.923	10.780	14
75	10.783	.2775	11.268	10.207	14
100	10.255	.2609	10.643	9.755	14
125	9.790	.2512	10.134	9.327	14
150	9.370	.2429	9.723	8.944	14
175	8.973	.2374	9.323	8.573	14
200	8.595	.2310	8.939	8.215	14
225	8.228	.2252	8.566	7.867	14
250	7.872	.2179	8.198	7.530	14
300	7.184	.1989	7.474	6.883	14
400	5.903	.1605	6.111	5.664	14
500	4.720	.1230	4.881	4.544	14
600	3.634	.0913	3.751	3.502	14
700	2.627	.0653	2.708	2.535	14
800	1.692	.0424	1.745	1.633	14
900	.818	.0196	.852	.792	14
1000	.000	.0000	.000	.000	14
1200	-1.497	.0372	-1.442	-1.567	14
1500	-3.492	.0974	-3.321	-3.647	10
2000	-6.364	.0163	-6.352	-6.375	2

STATION MP06 MARCH 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.81	.937	10.11	6.87	17	32.364	.3777	32.690	30.974	17
10	8.80	.942	10.11	6.87	17	32.371	.3759	32.710	30.978	17
20	8.78	.947	10.11	6.84	17	32.435	.1743	32.720	31.898	17
30	8.77	.943	10.11	6.84	17	32.461	.1142	32.728	32.300	17
50	8.75	.945	10.12	6.79	17	32.496	.1268	32.831	32.378	17
75	8.74	.928	10.13	6.80	17	32.796	.3730	33.630	32.426	17
100	8.47	.910	10.14	6.99	17	33.241	.4555	33.860	32.472	17
125	8.23	.967	10.31	7.06	17	33.443	.4772	33.996	32.445	17
150	8.14	1.058	10.18	7.13	17	33.648	.3665	34.060	32.858	17
175	7.81	.910	9.53	6.72	17	34.806	.1826	34.079	33.436	17
200	7.47	.791	8.97	6.51	17	34.882	.1267	34.100	33.597	17
225	7.20	.720	8.48	6.21	17	33.927	.0817	34.100	33.755	17
250	6.92	.619	8.04	5.98	17	33.961	.0550	34.110	33.868	17
300	6.46	.527	7.39	6.62	17	33.990	.0411	34.120	33.941	17
400	5.56	.419	6.49	6.01	17	34.038	.0411	34.149	33.960	17
500	4.99	.252	5.58	4.65	17	34.098	.0449	34.198	34.033	17
600	4.51	.152	4.88	4.28	17	34.163	.0419	34.243	34.069	17
700	4.21	.072	4.34	4.08	17	34.239	.0353	34.318	34.190	17
800	3.96	.052	4.03	3.84	17	34.299	.0326	34.360	34.256	17
900	3.68	.067	3.81	3.52	17	34.340	.0373	34.419	34.279	17
1000	3.46	.043	3.55	3.39	16	34.385	.0341	34.463	34.353	16
1200	3.03	.053	3.13	2.96	14	34.453	.0264	34.508	34.427	14
1500	2.49	.040	2.54	2.47	13	34.509	.0044	34.516	34.503	13
2000	1.93	n/a	n/a	n/a	1	34.604	n/a	n/a	n/a	1
SIGMA T										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	25.105	.3172	25.389	24.046	17	286.7	.30.18	387.5	259.7	17
10	25.112	.3217	25.449	24.045	17	286.1	.30.64	387.8	254.1	17
20	25.165	.2042	25.478	24.758	17	281.3	.19.45	320.0	251.5	17
30	25.167	.1769	25.485	24.908	17	279.4	.16.87	306.0	251.0	17
50	25.217	.1832	25.552	24.934	17	276.8	.17.51	303.9	244.9	17
75	25.453	.3695	26.197	24.955	17	254.8	.35.20	302.4	184.1	17
100	25.842	.4702	26.407	25.063	17	218.3	.44.77	292.5	164.6	17
125	26.037	.4970	26.539	25.152	17	200.2	.47.36	284.5	152.5	17
150	26.209	.4378	26.613	25.347	17	184.2	.41.80	266.5	145.8	17
175	26.383	.2715	26.675	25.872	17	168.0	.26.04	217.0	140.2	17
200	26.492	.2071	26.738	26.080	17	158.0	.19.92	197.6	134.6	17
225	26.566	.1595	26.773	26.253	17	151.2	.15.41	181.4	131.5	17
250	26.632	.1193	26.807	26.401	17	145.3	.11.60	167.7	128.5	17
300	26.724	.0844	26.865	26.567	17	136.9	.8.32	152.5	123.5	17
400	26.869	.0656	26.965	26.749	17	123.8	.6.52	136.0	114.5	17
500	26.984	.0575	27.065	26.866	17	113.6	.5.65	125.4	105.9	17
600	27.089	.0408	27.154	27.012	17	104.1	.3.97	111.8	98.6	17
700	27.182	.0323	27.248	27.133	17	95.9	.3.08	100.5	89.6	17
800	27.256	.0271	27.310	27.214	17	89.4	.2.56	93.4	84.2	17
900	27.317	.0275	27.379	27.283	17	83.9	.2.53	86.7	78.1	17
1000	27.373	.0261	27.433	27.347	16	78.9	.2.40	81.4	73.4	16
1200	27.468	.0188	27.502	27.447	14	70.3	.1.69	72.2	67.4	14
1500	27.566	.0038	27.567	27.555	3	61.8	.71	62.4	61.0	3
2000	27.682	n/a	n/a	n/a	1	50.3	n/a	n/a	n/a	1
THETA										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.81	.937	10.11	6.87	17	286.7	.30.18	387.5	259.7	17
10	8.80	.942	10.11	6.87	17	286.0	.30.63	387.6	253.9	17
20	8.78	.947	10.11	6.84	17	280.9	.19.43	319.7	251.2	17
30	8.77	.943	10.11	6.84	17	278.8	.16.84	305.4	250.4	17
50	8.74	.943	10.11	6.79	17	275.9	.17.42	302.9	244.1	17
75	8.73	.929	10.12	6.79	17	253.4	.35.14	300.9	182.7	17
100	8.746	.999	10.13	6.98	17	216.4	.44.69	290.4	162.8	17
125	8.822	1.067	10.30	7.05	17	197.9	.47.22	281.9	150.2	17
150	8.812	1.056	10.16	7.11	17	181.5	.41.57	263.4	143.2	17
175	7.79	.908	9.51	6.70	17	164.9	.25.76	213.4	137.2	17
200	7.45	.791	8.95	6.49	17	154.6	.19.63	193.7	131.3	17
225	7.18	.720	8.46	6.19	17	147.5	.15.11	177.2	127.9	17
250	6.899	.615	8.01	5.96	17	141.3	.11.29	163.1	124.7	17
300	6.57	.526	7.36	5.60	17	132.5	.8.00	147.4	119.2	17
400	5.52	.418	6.45	4.97	17	118.7	.6.21	130.0	109.6	17
500	4.95	.252	5.54	4.61	17	107.7	.5.42	118.9	100.0	17
600	4.46	.151	4.83	4.24	17	97.7	.3.86	105.0	91.6	17
700	4.16	.072	4.29	4.03	17	88.9	.2.03	93.5	82.6	17
800	3.96	.052	3.97	3.78	17	81.9	.2.57	85.8	76.7	17
900	3.61	.068	3.74	3.45	17	76.0	.2.61	79.2	70.1	17
1000	3.39	.041	3.47	3.32	16	70.6	.2.46	73.1	65.0	16
1200	2.95	.051	3.05	2.88	14	61.5	.1.77	63.5	58.3	14
1500	2.39	.040	2.44	2.37	3	52.8	.62	53.3	52.1	3
2000	1.79	n/a	n/a	n/a	1	41.1	n/a	n/a	n/a	1
SVA (THETA)										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	286.7	.30.18	387.5	259.7	17	286.0	.30.63	387.6	253.9	17
10	286.1	.30.64	387.8	254.1	17	280.9	.19.43	319.7	251.2	17
20	281.3	.19.45	320.0	251.5	17	278.8	.16.84	305.4	250.4	17
30	281.4	.16.87	306.0	251.0	17	275.9	.17.42	302.9	244.1	17
50	276.8	.17.51	303.9	244.9	17	253.4	.35.14	300.9	182.7	17
75	254.8	.35.20	302.4	184.1	17	216.4	.44.69	290.4	162.8	17
100	218.3	.44.77	292.5	164.6	17	197.9	.47.22	281.9	150.2	17
125	200.2	.47.36	284.5	152.5	17	181.5	.41.57	263.4	143.2	17
150	184.2	.41.80	266.5	145.8	17	164.9	.25.76	213.4	137.2	17
175	168.0	.26.04	217.0	140.2	17	154.6	.19.63	193.7	131.3	17
200	158.0	.19.92	197.6	134.6	17	147.5	.15.11	177.2	127.9	17
225	151.2	.15.41	181.4	131.5	17	141.3	.11.29	163.1	124.7	17
250	145.3	.11.60	167.7	128.5	17	132.5	.8.00	147.4	119.2	17
300	136.9	.8.32	152.5	123.5	17	118.7	.6.21	130.0	109.6	17
400	132.5	.8.56	153.4	124.7	17	107.7	.5.42	118.9	100.0	17
500	123.8	.6.52	136.0	114.5	17	97.7	.3.86	105.0	91.6	17
600	125.6	.5.65	125.4	105.9	17	88.9	.2.03	93.5	82.6	17
700	118.9	.5.03	93.5	82.6	17	81.9	.2.57	85.8	76.7	17
800	113.5	.5.57	85.8	76.7	17	76.0	.2.61	79.2	70.1	17
900	105.0	.6.2	79.2	70.1	17	70.6	.2.46	73.1	65.0	16
1000	91.6	.5.5	73.1	65.0	16	61.5	.1.77	63.5	58.3	14
1200	82.6	.5.3	53.3	52.1	3	52.8	.62	53.3	52.1	3
1500	76.7	.5.0	53.3	52.1	3	52.8	.62	53.3	52.1	3
2000	70.1	.5.0	53.3	52.1	1	41.1	n/a	n/a	n/a	1

STATION MP06 MARCH 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	17	.00	.000	.00	.00	17
10	.288	.0301	.390	.260	17	.01	.004	.02	.01	17
20	.571	.0586	.760	.510	17	.06	.007	.08	.05	17
30	.851	.0716	.1060	.760	17	.13	.009	.15	.12	17
50	1.411	.0986	1.630	1.260	17	.36	.022	.39	.32	17
75	2.081	.1509	2.290	1.800	17	.78	.062	.87	.66	17
100	2.668	.2396	3.010	2.230	17	1.31	.149	1.53	1.04	17
125	3.191	.3424	4.730	2.630	17	1.90	.274	2.35	1.49	17
150	3.671	.4479	4.430	3.000	17	2.58	.430	3.32	2.01	17
200	4.109	.5286	5.030	3.350	17	3.30	.566	4.32	2.60	17
225	4.515	.5795	6.520	3.700	17	4.08	.669	5.28	3.26	17
250	4.901	.6213	6.000	4.030	17	4.92	.761	6.31	3.98	17
300	5.271	.6525	6.420	4.350	17	5.81	.838	7.34	4.77	17
400	5.976	.6955	7.170	4.980	17	7.78	.961	9.45	6.53	17
500	7.275	.7518	8.580	6.180	17	12.41	1.177	14.51	10.80	17
600	8.461	.8003	9.830	7.290	17	17.85	1.428	20.52	15.85	17
700	9.551	.8415	11.000	8.300	17	23.95	1.678	27.19	21.53	17
800	10.549	.8709	12.060	9.240	17	30.56	1.885	34.18	27.77	17
900	12.341	.9151	13.910	10.910	17	37.62	2.075	41.47	34.36	17
1000	13.054	.8651	14.740	11.670	16	45.14	2.278	49.16	41.38	17
1200	14.556	.9590	16.270	13.070	14	52.75	2.271	56.92	48.70	16
1500	16.323	.2310	16.590	16.190	3	69.41	2.826	74.06	64.42	14
2000	19.410	n/a	n/a	n/a	1	96.96	1.695	98.58	95.20	3

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.58	.262	6.76	6.39	2	1482	3.6	1488	1475	17
10	6.59	.205	6.74	6.45	2	1483	3.6	1488	1475	17
20	6.57	.269	6.76	6.38	2	1483	.7	1488	1475	17
30	6.55	.304	6.76	6.33	2	1483	.5	1488	1476	17
50	6.46	.255	6.64	6.28	2	1483	.5	1489	1476	17
75	5.84	.792	6.40	5.28	2	1484	.5	1489	1476	17
100	5.10	1.782	6.36	5.84	2	1484	.5	1489	1478	17
125	4.55	1.860	5.86	5.23	2	1484	.7	1491	1479	17
150	3.73	1.230	4.60	2.86	2	1484	.7	1491	1480	17
175	3.11	.721	3.62	2.60	2	1483	.3	1490	1479	17
200	2.98	.375	3.24	2.71	2	1483	.9	1488	1479	17
225	2.80	.262	2.99	2.62	2	1482	.8	1487	1478	17
250	2.74	.297	2.95	2.53	2	1481	2.4	1486	1478	17
300	2.40	.332	2.63	2.16	2	1480	2.1	1484	1477	17
400	1.78	.085	1.84	1.72	2	1479	1.7	1482	1476	17
500	1.15	.170	1.27	1.03	2	1478	.9	1480	1477	17
600	.73	.127	.82	.64	2	1478	.6	1479	1477	17
700	.45	.057	.49	.41	2	1478	.5	1479	1478	17
800	.35	.042	.38	.32	2	1479	.2	1479	1478	17
900	.32	.085	.38	.26	2	1479	.4	1480	1479	17
1000	.39	n/a	n/a	n/a	1	1480	.4	1481	1480	16
1200	.47	n/a	n/a	n/a	1	1482	.6	1482	1481	14
1500	.83	n/a	n/a	n/a	1	1484	.6	1485	1484	3
2000	1.39	n/a	n/a	n/a	1	1490	n/a	n/a	n/a	1

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.055	.8643	14.739	11.671	16
10	12.768	.8520	14.436	11.411	16
20	12.484	.8385	14.132	11.159	16
50	12.204	.8247	13.828	10.908	16
75	11.647	.7976	13.219	10.407	16
100	10.980	.7475	12.463	9.868	16
125	10.403	.6640	11.727	9.439	16
150	9.893	.5657	11.007	9.045	16
175	9.424	.4716	10.313	8.674	16
200	8.993	.4046	9.712	8.316	16
225	8.594	.3626	9.223	7.972	16
250	8.213	.3291	8.773	7.641	16
300	7.846	.3033	8.353	7.316	16
400	7.148	.2629	7.572	6.686	16
500	5.856	.1985	6.160	5.488	16
500	4.677	.1479	4.905	4.385	16
600	3.596	.1079	3.760	3.371	16
700	2.601	.0775	2.710	2.429	16
800	1.679	.0496	1.740	1.567	16
900	.811	.0237	.839	.756	16
1000	.000	.0000	.000	.000	16
1200	-1.487	.0452	-1.403	-1.536	14
1500	-3.508	.0415	-3.466	-3.549	3
2000	-6.373	n/a	n/a	n/a	1

STATION MP06 APRIL 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.21	.908	9.94	7.02	15	32.265	.2480	32.450	31.672	13
10	8.22	.941	9.95	7.01	15	32.271	.2374	32.450	31.772	13
20	8.14	.929	9.88	6.97	15	32.301	.1882	32.452	31.899	13
30	8.01	.852	9.73	6.90	15	32.385	.1092	32.470	32.105	13
50	7.94	.869	9.71	6.85	15	32.434	.0841	32.549	32.199	13
75	7.80	.872	9.69	6.59	15	32.650	.2121	32.666	32.433	13
100	7.81	.623	9.32	6.96	15	32.142	.2836	32.584	32.638	13
125	7.77	.449	8.60	7.12	15	32.522	.2577	32.746	32.922	13
150	7.44	.400	8.49	6.83	15	32.756	.0897	32.823	33.570	13
175	7.15	.366	8.16	6.71	15	32.862	.0461	32.930	33.764	13
200	6.85	.381	7.81	6.38	15	32.905	.0333	32.952	33.867	13
225	6.54	.384	7.54	6.00	15	32.926	.0337	32.974	33.889	13
250	6.29	.324	7.04	5.80	15	32.959	.0344	32.998	33.898	13
300	5.85	.361	6.71	5.31	15	32.973	.0373	32.910	33.901	13
400	5.14	.247	5.71	4.80	15	32.103	.0200	32.060	33.945	12
500	4.81	.154	5.21	4.64	15	32.183	.0334	32.136	34.077	12
600	4.43	.090	4.62	4.31	15	32.213	.0182	32.216	34.140	12
700	4.09	.093	4.22	3.86	12	32.243	.0346	32.276	34.173	12
800	3.84	.082	3.95	3.68	12	32.306	.0319	32.344	34.254	12
900	3.61	.081	3.69	3.46	12	32.353	.0253	32.387	34.310	12
1000	3.40	.083	3.51	3.26	12	32.396	.0228	32.426	34.354	12
1200	2.99	.075	3.08	2.87	12	32.459	.0214	32.487	34.426	12
1500	2.49	.052	2.55	2.39	11	32.523	.0131	32.539	34.505	11
2000	1.93	.028	1.96	1.90	5	32.601	.0022	32.604	34.597	5

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	25.118	.2887	25.410	24.521	15	285.5	.2747	342.3	257.7	13
10	25.121	.2829	25.431	24.595	15	285.4	.2692	335.3	255.8	13
20	25.156	.2426	25.441	24.690	15	282.2	.2310	326.5	255.0	13
30	25.242	.1474	25.434	24.956	15	274.1	.1408	301.3	255.7	13
50	25.296	.1465	25.512	25.023	15	269.8	.1401	295.2	248.6	13
75	25.479	.2018	25.858	25.249	15	252.3	.1922	274.2	216.2	13
100	25.865	.2648	26.322	25.464	15	216.0	.2520	254.2	181.2	13
125	26.169	.2331	26.393	25.700	15	187.5	.2215	232.0	166.2	13
150	26.401	.0924	26.519	26.259	15	165.5	.1783	179.6	154.5	13
175	26.523	.0611	26.599	26.380	15	154.5	.591	168.5	147.2	13
200	26.599	.0433	26.643	26.498	15	147.6	.422	157.6	143.3	13
225	26.657	.0389	26.699	26.557	15	142.4	.87	152.3	138.1	13
250	26.699	.0348	26.741	26.606	15	138.6	.40	147.7	134.7	13
300	26.772	.0310	26.807	26.690	15	132.1	.11	140.4	128.5	13
400	26.904	.0273	26.948	26.861	15	120.2	.71	124.8	115.7	12
500	27.009	.0238	27.649	26.954	15	111.0	.40	116.7	107.1	12
600	27.114	.0213	27.146	27.059	15	101.7	.09	107.1	98.5	12
700	27.198	.0219	27.227	27.150	15	94.2	.00	98.6	91.4	12
800	27.273	.0219	27.301	27.228	15	87.6	.01	91.9	84.9	12
900	27.334	.0171	27.360	27.301	15	82.1	.59	85.4	79.5	12
1000	27.388	.0167	27.414	27.358	12	77.3	.63	80.5	74.6	12
1200	27.477	.0171	27.501	27.442	12	69.4	.54	72.8	66.8	12
1500	27.572	.0112	27.586	27.552	11	60.6	.10	62.7	58.9	11
2000	27.680	.0037	27.684	27.677	5	50.5	.39	50.9	50.0	5

THETA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.21	.908	9.94	7.02	15	285.5	.2747	342.3	257.7	13
10	8.22	.942	9.95	7.01	15	285.2	.2694	335.2	255.6	13
20	8.14	.929	9.88	6.97	15	281.8	.2310	326.2	254.7	13
30	8.01	.853	9.73	6.90	15	273.6	.1403	300.8	255.3	13
50	7.94	.866	9.70	6.85	15	269.0	.1394	294.4	247.9	13
75	7.88	.872	9.68	6.58	15	251.0	.1915	272.8	215.0	13
100	7.80	.622	9.31	6.95	15	214.3	.2518	252.4	179.4	13
125	7.76	.449	8.59	7.11	15	185.4	.2213	229.9	164.1	13
150	7.42	.401	8.47	6.81	15	163.3	.877	176.7	152.1	13
175	7.13	.366	8.14	6.69	15	151.7	.579	165.2	144.5	13
200	6.83	.380	7.79	6.36	15	144.5	.407	154.0	140.3	13
225	6.52	.384	7.52	5.98	15	139.0	.369	148.4	135.0	13
250	6.27	.323	7.02	5.78	15	135.0	.327	143.7	131.0	13
300	5.82	.362	6.68	4.28	15	128.0	.2661	135.7	124.7	13
400	5.11	.250	5.68	4.76	15	115.4	.2558	119.5	111.2	12
500	4.77	.154	5.17	4.60	12	105.4	.2225	110.6	101.6	12
600	4.38	.087	4.57	4.27	12	95.4	.2002	100.6	92.3	12
700	4.04	.093	4.17	3.81	12	87.4	.2111	92.0	84.6	12
800	3.78	.082	3.89	3.62	12	80.2	.2088	84.5	77.5	12
900	3.54	.077	3.62	3.40	12	74.4	.1655	77.6	71.9	12
1000	3.33	.082	3.44	3.19	12	69.2	.1611	72.1	66.8	12
1200	2.91	.071	2.99	2.79	12	60.8	.1555	64.0	58.5	12
1500	2.39	.053	2.45	2.29	11	51.7	.1022	53.5	50.3	11
2000	1.79	.026	1.82	1.76	5	41.3	.29	41.5	40.9	5

SVA (THETA)

STATION MP06 APRIL 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	13	.00	.000	.00	.00	13
10	.287	.0278	.340	.260	13	.01	.005	.02	.01	13
20	.572	.0521	.670	.520	13	.06	.008	.07	.05	13
30	.850	.0696	.970	.770	13	.13	.009	.14	.12	13
50	1.395	.0912	1.540	1.280	13	.35	.020	.39	.32	13
75	2.055	.1203	2.220	1.900	13	.77	.040	.84	.71	13
100	2.639	.1622	2.880	2.430	13	1.30	.083	1.41	1.17	13
125	3.142	.2105	3.460	2.870	13	1.87	.147	2.08	1.67	13
150	3.580	.2432	3.950	3.270	13	2.48	.191	2.76	2.24	13
175	3.979	.2569	4.370	3.650	13	3.14	.215	3.46	2.87	13
200	4.355	.2660	4.760	4.020	13	3.86	.233	4.19	3.57	13
225	4.718	.2722	5.120	4.370	13	4.65	.252	5.02	4.33	13
250	5.070	.2785	5.480	4.710	13	5.50	.268	5.92	5.16	13
300	5.745	.2903	6.170	5.370	13	7.39	.307	7.94	7.01	13
400	6.998	.3227	7.500	6.610	13	11.88	.398	12.64	11.42	12
500	8.148	.3454	8.700	7.750	12	17.16	.501	18.15	16.52	12
600	9.210	.3587	9.810	8.790	12	23.11	.594	24.38	22.34	12
700	10.188	.3722	10.840	9.740	12	29.59	.709	31.20	28.63	12
800	11.098	.3864	11.790	10.620	12	36.53	.830	38.47	35.38	12
900	11.946	.4000	12.680	11.450	12	43.87	.960	46.14	42.52	12
1000	12.742	.4086	13.500	12.230	12	51.59	1.084	54.16	50.13	12
1200	14.206	.4308	15.040	13.670	12	67.97	1.424	71.35	66.16	12
1500	16.157	.4748	17.060	15.580	11	94.76	1.933	99.10	92.45	11
2000	18.952	.3114	19.400	18.550	5	143.70	1.728	145.97	141.38	5

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.72	.064	6.76	6.67	2	1480	.3.3	1487	1476	13
10	6.82	.042	6.85	6.79	2	1480	.4	1487	1476	13
20	6.63	.325	6.86	6.40	2	1480	.5	1487	1476	13
30	6.58	.368	6.84	6.32	2	1480	.5	1487	1476	13
50	6.49	.233	6.65	6.32	2	1480	.5	1487	1476	13
75	6.36	.057	6.40	6.32	2	1480	.5	1488	1475	13
100	4.99	.622	5.43	4.55	2	1480	2.4	1487	1478	13
125	3.62	.035	3.64	3.59	2	1482	1.6	1485	1480	13
150	3.72	.240	3.89	3.55	2	1482	1.7	1486	1479	13
175	3.54	.297	3.75	3.33	2	1481	1.6	1485	1479	13
200	3.47	.078	3.52	3.41	2	1480	1.6	1484	1478	13
225	3.22	.049	3.25	3.18	2	1479	1.5	1483	1477	13
250	2.95	.092	3.01	2.88	2	1479	1.4	1482	1477	13
300	2.29	.297	2.50	2.08	2	1478	1.3	1481	1476	13
400	1.43	.269	1.62	1.24	2	1477	1.0	1479	1475	12
500	.78	.035	.81	.76	2	1477	.6	1479	1476	12
600	.47	.049	.51	.44	2	1477	.6	1478	1477	12
700	.39	.035	.41	.36	2	1478	.5	1478	1477	12
800	.34	.035	.36	.31	2	1478	.5	1479	1478	12
900	.36	.127	.45	.27	2	1479	.4	1479	1478	12
1000	.37	.164	.50	.24	2	1480	.5	1480	1479	12
1200	.44	.156	.55	.33	2	1482	.5	1482	1481	12
1500	.78	.205	.93	.64	2	1484	.5	1485	1484	11
2000	1.44	.092	1.51	1.38	2	1490	.5	1491	1490	5

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.742	.4082	13.504	12.235	12
10	12.456	.3868	13.205	11.971	12
20	12.171	.3669	12.907	11.707	12
30	11.893	.3531	12.613	11.446	12
50	11.348	.3356	12.028	10.946	12
75	10.690	.3017	11.298	10.335	12
100	10.105	.2574	10.665	9.777	12
125	9.610	.2140	10.127	9.337	12
150	9.175	.1885	9.652	8.933	12
175	8.775	.1730	9.219	8.550	12
200	8.398	.1630	8.812	8.181	12
225	8.036	.1559	8.425	7.826	12
250	7.685	.1466	8.050	7.486	12
300	7.008	.1330	7.331	6.825	12
400	5.746	.1111	6.009	5.590	12
500	4.594	.0906	4.808	4.470	12
600	3.532	.0721	3.696	3.438	12
700	2.553	.0532	2.666	2.475	12
800	1.645	.0336	1.715	1.592	12
900	.797	.0158	.829	.770	12
1000	.000	.0000	.000	.000	12
1200	-1.462	.0348	-1.406	-1.534	12
1500	-3.411	.0723	-3.291	-3.555	11
2000	-6.160	.0945	-6.018	-6.256	5

STATION MP06 M A Y 1956 to 1990

TEMPERATURE

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	10.07	.892	11.80	8.44	46	32.055	.3061	32.452	31.196	46
10	9.93	.853	11.78	8.33	46	32.069	.2841	32.453	31.326	46
20	9.62	.829	11.57	7.91	46	32.179	.2203	32.580	31.900	46
30	9.26	.871	10.95	7.70	46	32.281	.1700	32.660	31.980	46
50	8.35	.757	10.83	7.00	46	32.453	.1341	32.750	32.055	46
75	7.88	.654	9.25	6.68	46	32.720	.2264	33.313	32.396	46
100	7.77	.512	8.74	6.29	46	32.727	.2861	33.692	32.603	46
125	7.53	.319	8.19	6.77	46	32.578	.1699	33.796	33.186	46
150	7.35	.239	7.90	6.82	46	33.770	.0842	33.896	33.570	46
175	7.31	.251	7.81	6.62	46	33.863	.0415	33.960	33.773	46
200	6.84	.255	7.64	6.25	46	33.904	.0318	33.990	.847	46
225	6.59	.274	7.51	5.94	46	33.929	.0293	34.020	33.866	46
250	6.32	.295	7.34	5.82	46	33.942	.0268	34.030	33.880	46
300	5.86	.288	6.89	5.36	46	33.969	.0298	34.030	33.890	46
400	5.16	.250	5.89	4.67	45	34.021	.0273	34.079	33.943	45
500	4.71	.205	5.10	4.30	43	34.097	.0263	34.148	34.016	43
600	4.39	.153	4.66	4.07	42	34.174	.0257	34.222	34.102	42
700	4.10	.126	4.31	3.83	42	34.242	.0231	34.280	34.189	42
800	3.85	.110	4.04	3.61	42	34.302	.0223	34.338	34.255	42
900	3.63	.099	3.81	3.40	42	34.351	.0174	34.388	34.300	42
1000	3.41	.088	3.56	3.16	42	34.391	.0175	34.438	34.346	42
1200	3.01	.079	3.13	2.71	40	34.452	.0157	34.487	34.414	40
1500	2.49	.068	2.62	2.35	25	34.517	.0186	34.565	34.480	25
2000	1.93	.033	2.02	1.88	13	34.596	.0119	34.614	34.564	13

SIGMA T

SVA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.664	.3024	25.178	24.009	46	328.7	.28.81	391.1	279.7	46
10	24.699	.2839	25.180	24.092	46	325.6	.27.04	383.4	279.7	46
20	24.833	.2352	25.256	24.276	46	312.9	.22.42	366.0	272.6	46
30	24.981	.2108	25.340	24.560	46	299.0	.20.11	339.2	264.7	46
50	25.245	.1661	25.514	24.775	46	274.1	.15.84	319.0	248.5	46
75	25.524	.2043	26.012	25.114	46	248.0	.19.44	287.1	201.6	46
100	25.938	.2308	26.240	25.411	46	209.0	.21.91	259.1	180.5	46
125	26.248	.1308	26.439	25.944	46	180.0	.12.41	208.9	161.8	46
150	26.424	.0705	26.532	26.294	46	163.6	.6.71	175.9	153.2	46
175	26.530	.0467	26.606	26.433	46	153.9	.4.48	163.3	146.6	46
200	26.599	.0416	26.677	26.476	46	147.6	.4.03	159.6	140.1	46
225	26.653	.0384	26.724	26.521	46	142.7	.3.74	155.7	135.8	46
250	26.698	.0368	26.762	26.557	46	138.7	.3.61	152.6	132.3	46
300	26.777	.0305	26.829	26.656	46	131.6	.3.02	143.7	126.4	46
400	26.903	.0297	26.961	26.789	45	120.3	.2.97	131.7	114.4	45
500	27.014	.0243	27.058	26.938	45	110.4	.2.46	118.1	105.9	43
600	27.111	.0210	27.142	27.066	42	101.9	.2.07	106.4	98.8	42
700	27.196	.0175	27.226	27.160	42	94.4	.1.72	97.7	91.1	42
800	27.268	.0168	27.306	27.226	42	88.0	.1.63	92.2	84.1	42
900	27.330	.0136	27.362	27.304	43	82.6	.1.38	85.3	79.3	42
1000	27.383	.0148	27.414	27.352	42	77.9	.1.48	80.8	75.1	42
1200	27.469	.0129	27.493	27.436	40	70.1	.1.29	73.3	68.0	40
1500	27.567	.0145	27.600	27.539	25	61.1	.1.39	63.9	58.2	25
2000	27.675	.0094	27.691	27.654	13	50.9	.87	52.6	49.5	13

THETA

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	10.07	.892	11.80	8.44	46	328.7	.28.81	391.1	279.7	46
10	9.93	.854	11.78	8.33	46	325.4	.27.03	383.2	279.6	46
20	9.62	.829	11.57	7.91	46	312.5	.22.40	365.6	272.3	46
30	9.26	.871	10.95	7.70	46	298.5	.20.07	338.5	264.2	46
50	8.35	.753	10.82	7.00	46	273.3	.15.79	317.9	247.7	46
75	7.87	.653	9.24	6.67	46	246.7	.19.42	285.7	200.3	46
100	7.76	.511	8.73	6.75	46	207.3	.21.92	257.5	178.7	46
125	7.52	.319	8.17	6.75	46	177.9	.12.44	206.8	159.7	46
150	7.34	.238	7.88	6.80	46	161.1	.6.69	173.5	150.8	46
175	7.09	.251	7.79	6.60	46	151.0	.4.42	160.2	143.8	46
200	6.82	.255	7.62	6.23	46	144.4	.3.95	156.2	137.1	46
225	6.57	.274	7.49	5.92	46	139.3	.3.62	151.8	132.6	46
250	6.30	.294	7.32	5.80	46	135.1	.3.48	148.4	129.0	46
300	5.83	.287	6.86	5.33	46	127.5	.2.87	138.9	122.6	46
400	5.13	.250	5.86	4.64	45	115.5	.2.80	126.3	110.1	45
500	4.67	.204	5.06	4.26	43	104.9	.2.30	112.1	100.8	43
600	4.34	.152	4.61	4.03	42	95.7	.1.97	99.9	92.8	42
700	4.04	.125	4.26	3.78	42	87.6	.1.66	91.0	84.7	42
800	3.79	.110	3.98	3.55	42	80.7	.1.59	84.7	77.1	42
900	3.56	.098	3.74	3.34	42	74.8	.1.30	77.2	71.8	42
1000	3.34	.087	3.48	3.09	42	69.7	.1.41	72.7	66.8	42
1200	2.92	.077	3.04	2.63	40	61.5	.1.20	64.6	59.3	40
1500	2.39	.066	2.52	2.25	25	52.1	.1.38	54.8	48.9	25
2000	1.79	.033	1.88	1.74	13	41.7	.88	43.7	40.2	13

STATION MP06 M A Y 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.0000	.000	.000	46	.00	.000	.00	.00	46
10	.328	.0286	.390	.280	46	.02	.003	.02	.01	46
20	.649	.0504	.740	.560	46	.07	.005	.08	.06	46
30	.956	.0648	1.060	.830	46	.14	.010	.16	.13	46
50	1.527	.0859	1.690	1.360	46	.38	.020	.41	.34	46
75	2.182	.1068	2.410	1.990	46	.79	.039	.89	.71	46
100	2.752	.1370	2.080	2.460	46	1.30	.080	1.51	1.13	46
125	3.235	.1658	3.660	2.890	46	1.85	.122	2.17	1.62	46
150	3.663	.1825	4.130	3.290	46	2.45	.150	2.83	2.18	46
175	4.059	.1927	4.550	3.670	46	3.11	.167	3.53	2.81	46
200	4.436	.1982	4.940	4.030	46	3.83	.179	4.27	3.50	46
225	4.797	.2033	5.310	4.380	46	4.61	.192	5.08	4.26	46
250	5.150	.2097	5.670	4.720	46	5.46	.206	5.96	5.10	46
300	5.825	.2186	6.370	5.390	46	7.36	.236	7.91	6.96	46
400	7.081	.2369	7.670	6.640	46	11.85	.307	12.55	11.25	45
500	8.240	.2504	8.860	7.790	43	17.13	.399	18.18	16.33	43
600	9.295	.2601	9.960	8.850	42	23.05	.487	24.48	22.13	42
700	10.275	.2692	10.970	9.820	42	29.55	.589	31.22	28.43	42
800	11.185	.2775	11.920	10.730	42	36.51	.695	38.51	35.12	42
900	12.040	.2876	12.800	11.580	42	43.90	.826	46.43	42.18	42
1000	12.840	.2932	13.610	12.370	42	51.65	.924	54.22	49.66	42
1200	14.293	.2830	15.010	13.800	40	68.11	1.088	71.24	65.74	40
1500	16.204	.2565	16.750	15.690	25	95.00	1.292	97.87	92.10	25
2000	19.052	.3000	19.640	18.440	13	144.51	2.062	148.82	140.44	13

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.87	.094	6.98	6.73	5	1487	.3.2	1493	1481	46
10	6.92	.161	7.13	6.71	5	1487	.3.1	1493	1480	46
20	6.91	.192	7.23	6.72	5	1486	.3.1	1493	1479	46
30	6.85	.112	7.02	6.72	5	1484	.3.2	1491	1479	46
50	6.47	.316	6.86	6.01	5	1482	.3.9	1491	1477	46
75	5.34	.969	6.60	4.02	5	1481	.2.5	1486	1476	46
100	5.99	.295	4.30	3.64	5	1481	.2.1	1485	1475	46
125	5.53	.194	3.83	3.32	5	1481	.1.3	1484	1478	46
150	5.91	.167	2.29	2.06	5	1481	.1.1	1483	1479	46
175	2.83	.229	3.19	2.60	5	1480	.1.0	1483	1478	46
200	2.69	.256	3.01	2.36	5	1480	.1.1	1483	1477	46
225	2.57	.193	2.85	2.33	5	1479	.1.2	1483	1477	46
250	2.45	.261	2.71	2.09	5	1478	.1.2	1482	1476	46
300	1.98	.235	2.21	1.66	5	1477	.1.0	1480	1475	45
400	1.38	.162	1.43	1.03	5	1477	.0.9	1478	1475	43
500	.053	.191	1.10	.62	5	1477	.0.8	1478	1476	42
600	.55	.101	.72	.47	5	1478	.0.5	1479	1477	42
700	.45	.063	.52	.37	5	1478	.0.5	1479	1477	42
800	.34	.053	.42	.28	5	1478	.0.6	1480	1478	42
900	.34	.051	.41	.28	5	1479	.0.6	1480	1478	42
1000	.35	.060	.43	.28	5	1480	.0.4	1481	1479	42
1200	.42	.033	.47	.39	4	1482	.0.5	1482	1480	40
1500	.77	.047	.81	.72	4	1484	.0.5	1485	1484	25
2000	1.46	.047	1.51	1.42	5	1490	.0.4	1491	1490	13

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.840	.2930	13.610	12.369	42
10	12.511	.2865	13.283	11.986	42
20	12.190	.2797	12.955	11.637	42
30	11.884	.2714	12.627	11.327	42
50	11.313	.2521	11.984	10.776	42
75	10.657	.2259	11.226	10.166	42
100	10.087	.1961	10.597	9.663	42
125	9.603	.1809	10.161	9.221	42
150	9.175	.1728	9.742	8.819	42
175	8.780	.1657	9.333	8.446	42
200	8.404	.1582	9.029	8.087	42
225	8.042	.1507	8.536	7.743	42
250	7.691	.1437	8.151	7.408	42
300	7.014	.1301	7.407	6.761	42
400	5.758	.1073	6.062	5.558	42
500	4.605	.0833	4.812	4.450	42
600	3.545	.0625	3.687	3.414	42
700	2.564	.0447	2.669	2.462	42
800	1.653	.0290	1.715	1.587	42
900	.800	.0142	.829	.772	42
1000	.000	.0000	.000	.000	42
1200	-1.475	.0254	-1.433	-1.535	40
1500	-3.443	.0565	-3.324	-3.581	25
2000	-6.224	.0946	-6.072	-6.406	13

STATION MP06 J U N E 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.41	1.191	14.87	10.73	20	31.936	.2203	32.310	31.560	20
10	12.21	1.077	14.83	10.40	20	32.019	.2141	32.339	31.570	20
20	11.70	1.120	13.90	9.25	20	32.097	.2063	32.455	31.700	20
30	10.76	1.278	13.02	8.60	20	32.208	.1695	32.494	31.980	20
50	8.86	1.001	10.34	7.39	20	32.444	.1435	32.632	32.042	20
75	7.97	.766	9.66	6.91	20	32.642	.1908	33.104	32.356	20
100	7.69	.617	9.38	6.90	20	32.034	.3032	33.729	32.599	20
125	7.53	.592	9.55	6.76	20	32.433	.2259	33.854	32.965	20
150	7.35	.559	9.31	6.66	20	32.694	.1459	33.893	33.360	20
175	7.09	.482	8.72	6.37	20	32.827	.0893	33.943	33.625	20
200	6.81	.433	8.18	6.11	20	32.884	.0677	33.960	33.752	20
225	6.49	.395	7.14	5.88	20	32.908	.0546	33.976	33.784	20
250	6.27	.370	7.10	5.66	20	32.931	.0429	33.998	33.848	20
300	5.83	.372	6.78	5.26	20	33.955	.0420	34.010	33.860	20
400	5.17	.366	5.85	4.43	18	34.010	.0320	34.069	33.917	18
500	4.67	.295	5.26	4.21	18	34.079	.0242	34.129	34.034	18
600	4.34	.197	4.74	4.11	18	34.158	.0296	34.219	34.088	18
700	4.08	.160	4.43	3.87	18	34.230	.0301	34.291	34.151	18
800	3.85	.130	4.15	3.74	18	34.288	.0277	34.329	34.217	18
900	3.64	.112	3.90	3.46	18	34.336	.0279	34.375	34.272	18
1000	3.42	.097	3.66	2.99	18	34.377	.0224	34.406	34.319	18
1200	3.06	.063	3.15	2.91	18	34.441	.0247	34.469	34.375	18
1500	2.47	.055	2.59	2.41	11	34.507	.0255	34.525	34.435	11
2000	1.94	.021	1.96	1.92	3	34.593	.0095	34.598	34.587	3

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.153	.3588	24.645	23.568	20	377.4	34.23	433.2	330.4	20
10	24.256	.2940	24.660	23.630	20	367.7	28.02	427.5	329.3	20
20	24.410	.2836	24.875	23.973	20	353.3	27.04	395.0	308.9	20
30	24.662	.2890	25.154	24.094	20	329.5	27.59	383.7	282.5	20
50	25.160	.2248	25.506	24.649	20	282.3	21.48	331.1	249.2	20
75	25.449	.2219	25.873	25.092	20	255.1	21.19	289.3	214.8	20
100	25.797	.2813	26.319	25.204	20	222.4	26.76	279.1	172.9	20
125	26.133	.2221	26.427	25.461	20	190.9	21.16	255.2	163.0	20
150	26.364	.1590	26.509	25.808	20	169.4	15.18	222.6	155.6	20
175	26.503	.1080	26.621	26.108	20	156.4	10.35	194.4	145.1	20
200	26.588	.0845	26.684	26.293	20	148.7	8.15	177.2	139.3	20
225	26.649	.0583	26.725	26.465	20	143.1	5.63	160.5	135.6	20
250	26.696	.0502	26.781	26.557	20	138.9	4.90	152.5	130.7	20
300	26.770	.0467	26.855	26.658	20	132.2	4.62	143.5	123.9	20
400	26.893	.0369	26.945	26.797	18	121.2	3.75	130.9	115.9	18
500	27.005	.0337	27.056	26.924	18	111.2	3.45	119.5	105.9	18
600	27.104	.0312	27.164	27.040	18	102.5	3.12	109.0	96.7	18
700	27.189	.0300	27.249	27.131	18	95.0	2.97	100.9	89.2	18
800	27.257	.0243	27.296	27.210	18	89.0	2.39	93.9	85.3	18
900	27.317	.0239	27.352	27.268	18	83.8	2.34	88.6	80.4	18
1000	27.370	.0178	27.400	27.328	18	79.1	1.74	82.9	76.2	18
1200	27.461	.0168	27.491	27.412	18	70.9	1.73	75.3	67.8	18
1500	27.561	.0204	27.578	27.505	11	61.6	1.92	66.7	59.8	11
2000	27.672	.0048	27.675	27.668	3	51.2	0.26	51.5	51.0	3

THETA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.41	1.191	14.87	10.73	20	377.4	34.23	433.2	330.4	20
10	12.21	1.077	14.83	10.40	20	367.5	28.01	427.2	329.1	20
20	11.70	1.120	13.90	9.25	20	352.8	27.02	394.4	308.5	20
50	10.76	1.278	13.02	8.60	20	328.8	27.52	382.9	282.0	20
75	8.85	.999	10.43	7.38	20	281.4	21.37	330.0	248.5	20
100	7.96	.765	9.65	6.91	20	253.8	21.10	287.8	213.6	20
125	7.68	.617	9.37	6.89	20	220.7	26.72	277.1	171.1	20
150	7.52	.592	9.54	6.75	20	188.8	21.08	252.6	160.8	20
175	7.35	.557	9.49	6.65	20	166.9	15.09	219.6	153.1	20
200	7.08	.483	8.70	6.35	20	153.6	10.25	191.1	142.4	20
225	6.79	.433	8.16	6.09	20	145.6	8.01	173.5	136.4	20
250	6.47	.334	7.12	5.86	20	134.8	5.52	157.2	132.6	20
300	6.25	.369	7.08	5.64	20	128.1	4.75	148.4	127.2	20
400	5.86	.372	6.75	5.24	20	128.1	4.44	138.8	120.1	20
500	4.64	.365	5.82	4.40	18	116.4	3.46	125.5	111.6	18
600	4.63	.294	5.22	4.17	18	105.8	3.18	113.5	101.0	18
700	4.30	.195	4.70	4.07	18	96.4	2.95	102.4	90.7	18
800	4.02	.159	4.37	3.82	18	88.2	2.83	95.7	82.6	18
900	3.79	.130	4.09	3.68	18	81.7	2.28	86.1	78.1	18
1000	3.35	.096	3.58	2.22	18	76.0	2.26	80.6	72.7	18
1200	2.92	.061	3.06	2.83	18	62.3	1.76	66.9	59.4	18
1500	2.37	.056	2.49	2.30	11	52.7	1.93	58.0	51.0	11
2000	1.80	.021	1.82	1.78	3	41.9	0.32	42.3	41.7	3

SVA (THETA)

STATION MP06 J U N E 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	20	.00	.000	.00	.00	20
10	.375	.0300	.430	.330	20	.02	.000	.02	.02	20
20	.737	.0512	.820	.660	20	.07	.005	.08	.07	20
30	1.081	.0668	1.190	1.510	20	.16	.011	.18	.14	20
50	1.689	.0932	1.890	1.970	20	.41	.026	.46	.36	20
75	2.361	.1248	2.620	2.150	20	.84	.052	.94	.77	20
100	2.954	.1733	3.280	2.700	20	1.36	.102	1.54	1.20	20
125	3.470	.2295	3.950	3.180	20	1.95	.169	2.31	1.68	20
150	3.919	.2796	4.550	3.600	20	2.58	.228	3.15	2.24	20
175	4.325	.2974	5.070	3.990	20	3.25	.273	4.01	2.89	20
200	4.704	.3139	5.530	4.370	20	3.98	.308	4.89	3.61	20
225	5.069	.3269	5.950	4.730	20	4.77	.339	5.81	4.40	20
250	5.420	.3336	5.340	5.070	20	5.62	.358	6.75	5.27	20
300	6.097	.3477	7.080	5.730	20	7.52	.402	8.82	7.13	20
400	7.394	.3776	8.450	6.950	18	12.08	.510	13.70	11.48	18
500	8.556	.3948	9.700	8.090	18	17.40	.635	19.45	16.70	18
600	9.623	.4083	10.840	9.130	18	23.38	.763	25.82	22.55	18
700	10.609	.4194	11.890	10.100	18	29.90	.910	32.74	28.93	18
800	11.528	.4301	12.860	11.000	18	36.93	1.072	40.17	35.81	18
900	12.392	.4417	13.770	11.830	18	44.40	1.239	48.03	43.04	18
1000	13.205	.4523	14.620	12.620	18	52.29	1.408	56.32	50.68	18
1200	14.703	.4692	16.170	14.080	18	69.07	1.714	73.69	66.82	18
1500	16.590	.3043	17.000	16.020	11	96.10	2.011	100.59	93.72	11
2000	19.567	.2516	19.800	19.300	3	145.42	.404	145.71	144.96	3

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.76	n/a	n/a	n/a	1	1495	4.0	1503	1489	20
10	6.72	n/a	n/a	n/a	1	1495	3.7	1503	1488	20
20	6.66	n/a	n/a	n/a	1	1493	4.0	1501	1484	20
30	6.62	n/a	n/a	n/a	1	1490	4.7	1498	1482	20
50	6.71	n/a	n/a	n/a	1	1484	3.8	1489	1478	20
75	5.84	n/a	n/a	n/a	1	1481	2.8	1487	1477	20
100	5.47	n/a	n/a	n/a	1	1481	2.5	1487	1478	20
125	4.02	n/a	n/a	n/a	1	1481	2.2	1488	1478	20
150	3.92	n/a	n/a	n/a	1	1481	2.2	1488	1478	20
175	3.16	n/a	n/a	n/a	1	1481	1.9	1487	1478	20
200	2.56	n/a	n/a	n/a	1	1480	1.7	1485	1477	20
225	2.73	n/a	n/a	n/a	1	1479	1.4	1482	1477	20
250	2.75	n/a	n/a	n/a	1	1479	1.5	1482	1476	20
300	2.07	n/a	n/a	n/a	1	1478	1.6	1482	1475	20
400	1.85	n/a	n/a	n/a	1	1477	1.5	1480	1474	18
500	1.84	n/a	n/a	n/a	1	1477	1.2	1479	1475	18
600	.81	n/a	n/a	n/a	1	1477	.8	1479	1476	18
700	.63	n/a	n/a	n/a	1	1478	.8	1479	1477	18
800	.47	n/a	n/a	n/a	1	1478	.8	1480	1478	18
900	.45	n/a	n/a	n/a	1	1479	.8	1480	1478	18
1000	.43	n/a	n/a	n/a	1	1480	.6	1481	1479	18
1200	.51	n/a	n/a	n/a	1	1482	.6	1482	1481	18
1500	.92	n/a	n/a	n/a	1	1484	.6	1485	1484	11
2000	n/a	n/a	n/a	n/a	0	1490	.6	1491	1490	3

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.205	.4526	14.623	12.622	18
10	12.834	.4349	14.205	12.278	18
20	12.473	.4213	13.801	11.935	18
30	12.124	.4138	13.438	11.608	18
50	11.511	.3928	12.796	11.042	18
75	10.836	.3689	12.959	10.405	18
100	10.239	.3360	11.349	9.848	18
125	9.720	.3018	10.675	9.382	18
150	9.269	.2742	10.975	8.978	18
175	8.861	.2530	9.556	8.596	18
200	8.479	.2353	9.094	8.229	18
225	8.113	.2216	8.671	7.865	18
250	7.761	.2109	8.282	7.516	18
300	7.080	.1914	7.543	6.845	18
400	5.811	.1573	6.173	5.608	18
500	4.649	.1272	4.918	4.466	18
600	3.581	.0973	3.781	3.429	18
700	2.597	.0678	2.736	2.510	18
800	1.677	.0426	1.764	1.615	18
900	.814	.0200	.856	.785	18
1000	.000	.0000	.000	.000	18
1200	-1.497	.0332	-1.433	-1.576	18
1500	-3.481	.0793	-3.397	-3.689	11
2000	-6.262	.0126	-6.252	-6.276	3

STATION MP06 J U L Y 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N
0	14.08	.948	15.38	12.42	13
10	13.95	.906	15.38	12.41	13
20	13.17	1.089	15.25	11.32	13
30	11.90	1.572	15.08	9.40	13
50	9.21	.881	10.82	7.64	13
75	8.10	.440	8.97	7.17	13
100	7.87	.332	8.37	7.44	13
125	7.61	.279	8.09	7.20	13
150	7.34	.296	8.00	6.93	13
175	7.17	.273	7.77	6.79	13
200	6.95	.275	7.55	6.46	13
225	6.66	.558	7.20	6.20	13
250	6.37	.232	6.87	5.95	13
300	5.89	.182	6.38	5.67	13
400	5.17	.183	5.48	4.84	13
500	4.73	.123	4.99	4.58	13
600	4.38	.083	4.53	4.26	13
700	4.13	.078	4.23	3.98	13
800	3.88	.076	4.04	3.73	13
900	3.64	.062	3.75	3.53	13
1000	3.43	.060	3.51	3.31	13
1200	3.03	.063	3.13	2.92	11
1500	2.50	.032	2.53	2.45	6
2000	1.93	.014	1.94	1.92	2

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N
0	32.003	.3211	32.382	31.080	13
10	32.005	.3180	32.425	31.100	13
20	32.102	.2166	32.500	31.780	13
30	32.219	.1794	32.530	31.997	13
50	32.449	.1303	32.715	32.150	13
75	32.612	.1857	32.465	32.465	13
100	32.982	.2498	32.557	32.557	13
125	33.388	.2107	32.976	32.976	13
150	33.637	.1317	32.336	32.336	13
175	33.784	.0834	32.634	32.634	13
200	33.862	.0527	33.777	33.777	13
225	33.903	.0280	33.870	33.870	13
250	33.928	.0274	33.880	33.880	13
300	33.966	.0328	33.917	33.917	13
400	34.019	.0327	33.945	33.945	13
500	34.087	.0202	34.056	34.056	13
600	34.161	.0234	34.128	34.128	13
700	34.232	.0264	34.202	34.202	13
800	34.293	.0244	34.266	34.266	13
900	34.341	.0232	34.309	34.309	13
1000	34.380	.0191	34.352	34.352	13
1200	34.445	.0140	34.430	34.430	13
1500	34.508	.0071	34.496	34.496	13
2000	34.594	.0054	34.593	34.593	2

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N
0	23.879	.3438	24.330	23.065	13
10	23.906	.3294	24.308	23.095	13
20	24.136	.2661	24.797	23.747	13
30	24.463	.3803	24.982	23.787	13
50	25.109	.1909	25.484	24.815	13
75	25.409	.1639	25.855	25.232	13
100	25.732	.2071	26.028	25.327	13
125	26.088	.1584	26.278	25.774	13
150	26.320	.0970	26.483	26.142	13
175	26.460	.0739	26.562	26.358	13
200	26.551	.0583	26.633	26.443	13
225	26.623	.0391	26.582	26.539	13
250	26.682	.0248	26.729	26.632	13
300	26.773	.0318	26.826	26.719	13
400	26.900	.0342	26.975	26.849	13
500	27.005	.0229	27.047	26.964	13
600	27.102	.0197	27.133	27.070	13
700	27.185	.0202	27.237	27.157	13
800	27.258	.0216	27.318	27.231	13
900	27.321	.0203	27.378	27.295	13
1000	27.373	.0182	27.425	27.351	13
1200	27.462	.0161	27.503	27.440	11
1500	27.559	.0081	27.569	27.549	11
2000	27.674	.0000	27.674	27.673	2

SVA

PRESS	MEAN	S.D.	MAX	MIN	N
0	403.5	32.79	481.2	360.5	13
10	401.2	31.44	478.6	362.8	13
20	379.5	25.40	416.6	316.4	13
30	348.4	36.31	413.0	298.9	13
50	328.7	18.23	315.1	251.4	13
75	258.9	15.58	275.8	216.6	13
100	195.2	19.67	267.1	200.6	13
125	173.5	15.00	224.9	177.2	13
150	160.6	7.02	210.1	150.8	13
175	152.2	5.59	162.7	144.4	13
200	145.6	8.81	153.8	139.8	13
225	140.3	2.40	145.2	135.6	13
250	132.0	0.07	137.4	126.9	13
275	111.3	2.26	125.7	113.9	13
300	102.7	1.88	115.4	107.2	13
325	95.4	1.90	105.8	99.6	13
350	89.0	2.06	98.2	90.6	13
375	83.4	1.94	91.6	83.4	13
400	78.8	1.80	80.8	73.7	13
425	70.8	1.62	73.2	66.8	11
450	61.9	.65	62.2	56.0	8
475	51.1	.14	51.2	51.0	2

THETA

PRESS	MEAN	S.D.	MAX	MIN	N
0	14.08	.948	15.38	12.42	13
10	13.95	.907	15.38	12.40	13
20	13.17	1.089	15.25	11.32	13
30	11.90	1.572	15.08	9.40	13
50	9.21	.881	10.82	7.64	13
75	8.10	.440	8.97	7.17	13
100	7.87	.332	8.37	7.44	13
125	7.61	.279	8.09	7.20	13
150	7.34	.296	8.00	6.93	13
175	7.17	.273	7.77	6.79	13
200	6.95	.275	7.55	6.46	13
225	6.66	.558	7.20	6.20	13
250	6.37	.232	6.87	5.95	13
300	5.89	.182	6.38	5.67	13
400	5.17	.183	5.48	4.84	13
500	4.73	.123	4.99	4.58	13
600	4.38	.083	4.53	4.26	13
700	4.13	.078	4.23	3.98	13
800	3.88	.076	4.04	3.73	13
900	3.64	.062	3.75	3.53	13
1000	3.43	.060	3.51	3.31	13
1200	3.03	.063	3.13	2.92	11
1500	2.50	.032	2.53	2.45	6
2000	1.79	.014	1.80	1.78	2

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N
0	403.5	32.79	481.2	360.5	13
10	400.9	31.44	478.3	362.5	13
20	379.0	25.38	416.0	315.9	13
30	347.7	36.23	412.1	298.3	13
50	328.6	18.15	314.2	250.6	13
75	257.6	15.56	274.4	215.3	13
100	226.9	19.67	265.4	198.8	13
125	193.0	15.03	222.9	175.1	13
150	171.0	9.23	188.0	155.5	13
175	157.7	7.00	167.3	148.0	13
200	149.0	5.52	159.3	141.2	13
225	142.1	3.69	150.1	136.6	13
250	136.6	2.34	141.3	132.1	13
275	127.9	2.99	133.0	122.9	13
300	115.8	2.23	120.6	108.7	13
325	96.5	1.85	99.6	93.6	13
350	88.6	2.03	84.2	76.0	13
375	81.6	2.03	84.2	76.0	13
400	75.6	1.90	78.1	70.3	13
425	70.7	1.74	72.7	65.7	13
450	62.1	1.49	64.2	58.3	11
475	52.9	.60	53.8	51.9	8
500	41.9	.07	41.9	41.8	2

STATION MP06 J U L Y 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	1	.00	.000	.00	.00	13
10	.404	.0323	.480	.360	1	.02	.000	.02	.02	13
20	.798	.0600	.940	.730	1	.08	.006	.09	.07	13
30	1.163	.0752	1.280	1.060	1	.17	.013	.19	.15	13
50	1.792	.0836	1.940	1.650	1	.43	.022	.47	.39	13
75	2.472	.0888	2.650	2.330	1	.86	.037	.92	.81	13
100	3.079	.1023	3.300	2.930	1	1.40	.068	1.50	1.27	13
125	3.609	.1351	3.850	3.410	1	2.01	.116	2.21	1.83	13
150	4.068	.1570	4.320	3.840	1	2.65	.148	2.93	2.47	13
175	4.489	.1729	4.780	4.230	1	3.34	.173	.69	.14	13
200	4.877	.1823	5.180	4.600	1	4.09	.187	4.45	3.86	13
225	5.248	.1873	5.500	4.960	1	4.89	.199	5.26	4.63	13
250	5.605	.1965	5.910	5.300	1	5.76	.203	6.13	5.47	13
300	6.285	.1927	6.600	5.970	1	7.66	.207	8.05	7.34	13
400	7.545	.1825	7.880	7.220	1	12.15	.223	12.61	11.79	13
500	8.703	.1785	9.050	8.380	1	17.46	.292	18.01	17.09	13
600	9.774	.1825	10.140	9.420	1	23.45	.386	24.14	22.94	13
700	10.763	.1894	11.160	10.390	1	30.01	.479	30.85	29.34	13
800	11.684	.1939	12.100	11.300	1	37.04	.582	38.04	36.20	13
900	12.546	.2017	12.980	12.150	1	44.51	.722	45.74	43.17	13
1000	13.555	.2112	13.810	12.950	1	52.36	.867	53.79	50.53	13
1200	14.844	.1428	15.090	14.570	1	69.02	1.137	70.89	66.18	11
1500	16.845	.0971	16.990	16.730	6	96.52	.543	97.37	95.91	6
2000	19.680	.1414	19.780	19.580	2	146.46	.884	147.09	145.84	2

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.17	n/a	n/a	n/a	1	1501	3.0	1505	1495	13
10	5.95	n/a	n/a	n/a	1	1500	2.9	1505	1495	13
20	5.91	n/a	n/a	n/a	1	1498	3.7	1505	1492	13
30	6.50	n/a	n/a	n/a	1	1494	5.5	1505	1485	13
50	6.45	n/a	n/a	n/a	1	1485	3.3	1491	1479	13
75	5.54	n/a	n/a	n/a	1	1481	1.8	1485	1478	13
100	4.41	n/a	n/a	n/a	1	1481	1.4	1483	1479	13
125	3.67	n/a	n/a	n/a	1	1481	1.2	1483	1479	13
150	3.67	n/a	n/a	n/a	1	1481	1.3	1484	1479	13
175	3.11	n/a	n/a	n/a	1	1481	1.1	1483	1480	13
200	2.41	n/a	n/a	n/a	1	1481	1.1	1483	1479	13
225	2.30	n/a	n/a	n/a	1	1480	1.1	1482	1478	13
250	2.19	n/a	n/a	n/a	1	1479	1.1	1481	1477	13
300	1.56	n/a	n/a	n/a	1	1478	.8	1480	1477	13
400	1.05	n/a	n/a	n/a	1	1477	.8	1478	1475	13
500	.84	n/a	n/a	n/a	1	1477	.6	1478	1476	13
600	.45	n/a	n/a	n/a	1	1477	.4	1478	1477	13
700	.28	n/a	n/a	n/a	1	1478	.4	1478	1477	13
800	.14	n/a	n/a	n/a	1	1479	.5	1479	1478	13
900	.19	n/a	n/a	n/a	1	1479	.4	1480	1479	13
1000	.23	n/a	n/a	n/a	1	1480	.3	1480	1479	13
1200	.30	n/a	n/a	n/a	1	1482	.4	1482	1481	11
1500	1.03	n/a	n/a	n/a	0	1484	.5	1485	1484	2
2000	n/a	n/a	n/a	n/a	0	1490	.0	1490	1490	2

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.356	.2118	13.812	12.949	1
10	12.953	.2166	13.433	12.562	1
20	12.557	.2201	13.055	12.195	1
30	12.193	.2099	12.683	11.889	1
50	11.565	.1935	12.030	11.297	1
75	10.884	.1862	11.307	10.621	1
100	10.276	.1788	10.629	10.016	1
125	9.747	.1621	10.091	9.538	1
150	9.287	.1528	9.631	9.084	1
175	8.871	.1469	9.194	8.654	1
200	8.480	.1448	8.780	8.252	1
225	8.108	.1429	8.383	7.873	1
250	7.751	.1410	8.009	7.513	1
300	7.071	.1337	7.303	6.826	1
400	5.811	.1062	5.980	5.578	1
500	4.653	.0890	4.783	4.435	1
600	3.583	.0736	3.675	3.384	1
700	2.593	.0568	2.661	2.433	1
800	1.673	.0384	1.721	1.564	1
900	.810	.0178	.833	.760	1
1000	.000	.0000	.000	.000	1
1200	-1.490	.0350	-1.397	-1.526	1
1500	-3.484	.0323	-3.450	-3.536	1
2000	-6.287	.0438	-6.256	-6.318	2

STATION MP06 AUGUST 1956 to 1990

TEMPERATURE

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	15.03	.929	16.68	13.11	29	31.997	.2153	32.248	31.332	29
10	14.66	1.035	16.31	12.73	29	32.016	.1863	32.264	31.423	29
20	13.70	1.471	16.13	10.58	29	32.084	.1862	32.439	31.719	29
30	12.07	1.823	15.96	8.48	29	32.218	.1695	32.526	31.855	29
50	8.96	.949	10.49	7.26	29	32.472	.1009	32.598	32.204	29
75	8.06	.918	9.71	6.61	29	32.652	.1684	33.160	32.443	29
100	7.79	.843	9.53	6.74	29	33.020	.2740	33.670	32.500	29
125	7.59	.827	9.51	6.58	29	33.452	.2027	33.808	33.044	29
150	7.45	.652	9.07	6.53	29	33.704	.1249	33.849	33.441	29
175	7.19	.530	8.54	6.58	29	33.829	.0726	33.919	33.677	29
200	6.90	.454	8.07	6.29	29	33.879	.0555	33.957	33.765	29
225	6.63	.398	7.47	6.03	29	33.911	.0376	33.961	33.827	29
250	6.39	.397	7.19	5.80	29	33.934	.0321	33.980	33.860	29
300	5.92	.340	6.62	5.47	29	33.963	.0265	34.015	33.906	29
400	5.22	.300	5.85	4.81	29	34.019	.0217	34.061	33.976	29
500	4.75	.211	5.20	4.38	28	34.087	.0275	34.135	34.027	28
600	4.39	.172	4.77	4.13	27	34.159	.0249	34.203	34.110	27
700	4.12	.144	4.52	3.88	27	34.231	.0235	34.269	34.188	27
800	3.88	.132	4.21	3.63	27	34.292	.0217	34.336	34.255	27
900	3.66	.111	3.94	3.51	26	34.340	.0246	34.395	34.304	26
1000	3.45	.086	3.65	3.30	26	34.382	.0224	34.436	34.345	26
1200	3.03	.064	3.17	2.93	25	34.449	.0197	34.496	34.425	25
1500	2.49	.063	2.62	2.42	17	34.521	.0268	34.590	34.463	17
2000	1.94	.026	1.98	1.92	8	34.602	.0091	34.617	34.591	8

SIGMA T

SVA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	23.674	.3096	24.205	22.932	29	423.1	.2955	493.9	372.4	29
10	23.766	.2991	24.311	23.022	29	414.5	.2856	485.6	362.5	29
20	24.012	.3588	24.661	23.319	29	391.3	.3682	457.5	329.3	29
30	24.427	.4134	25.055	23.590	29	351.9	.3947	431.9	291.9	29
50	25.165	.1919	25.516	24.728	29	281.8	.1833	323.5	248.3	29
75	25.443	.2093	25.911	25.099	29	255.7	.1999	288.6	211.2	29
100	25.771	.2574	26.239	25.253	29	224.9	.2452	274.4	180.6	29
125	26.138	.2178	26.413	25.601	29	190.5	.2080	241.9	164.3	29
150	26.356	.1532	26.534	25.998	29	170.1	.1468	204.6	153.1	29
175	26.492	.1130	26.620	26.217	29	157.6	.1088	184.1	145.2	29
200	26.571	.0924	26.684	26.350	29	150.3	.892	171.7	139.4	29
225	26.633	.0670	26.726	26.468	29	144.6	.650	160.7	135.6	29
250	26.683	.0573	26.763	26.558	29	140.2	.562	152.4	132.3	29
300	26.766	.0438	26.825	26.668	29	132.7	.434	142.4	126.8	29
400	26.895	.0370	26.930	26.803	29	121.1	.372	130.3	117.5	29
500	27.002	.0370	27.048	26.925	28	111.6	.370	119.2	107.1	28
600	27.099	.0313	27.143	27.029	27	103.0	.312	109.9	98.7	27
700	27.185	.0273	27.221	27.115	27	95.4	.276	102.7	91.7	27
800	27.259	.0228	27.296	27.210	27	88.9	.230	94.2	85.4	27
900	27.318	.0241	27.366	27.270	26	83.7	.241	88.9	79.2	26
1000	27.373	.0210	27.424	27.335	26	78.9	.213	82.6	73.9	26
1200	27.465	.0182	27.567	27.440	25	70.6	.175	73.2	66.6	25
1500	27.570	.0244	27.631	27.516	17	60.8	.242	66.1	55.0	17
2000	27.680	.0081	27.693	27.669	8	50.6	.71	51.7	49.2	8

THETA

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	15.03	.929	16.68	13.11	29	423.1	.2955	493.9	372.4	29
10	14.66	1.035	16.31	12.73	29	414.2	.2854	485.3	362.3	29
20	13.70	1.471	16.13	10.58	29	390.8	.3678	456.9	328.9	29
30	12.07	1.823	15.96	8.48	29	351.2	.3939	431.0	291.4	29
50	8.96	.949	10.48	7.26	29	280.9	.1824	322.4	247.5	29
75	8.05	.918	9.70	6.60	29	254.5	.1989	287.1	210.0	29
100	7.78	.843	9.52	6.73	29	223.2	.2445	272.4	178.8	29
125	7.58	.827	9.50	6.57	29	188.4	.2068	239.3	162.2	29
150	7.44	.650	8.05	6.51	29	167.6	.1454	201.6	150.7	29
175	7.17	.529	8.54	6.56	29	154.7	.1073	180.7	142.5	29
200	6.88	.453	8.05	6.28	29	147.2	.876	168.1	136.5	29
225	6.61	.398	7.45	6.01	29	141.5	.633	156.9	132.5	29
250	6.37	.398	7.16	5.78	29	136.5	.542	148.8	128.9	29
300	5.89	.339	6.59	5.44	29	128.6	.414	137.8	123.9	29
400	5.19	.301	5.82	4.78	29	116.3	.348	124.9	112.9	29
500	4.71	.210	5.16	4.35	28	106.1	.349	113.4	101.7	28
600	4.34	.171	4.72	4.09	27	96.8	.296	103.4	92.6	27
700	4.07	.144	4.47	3.83	27	88.6	.258	95.2	85.2	27
800	3.82	.132	4.15	3.57	27	81.6	.213	86.2	78.0	27
900	3.59	.111	3.87	3.44	26	75.9	.227	80.4	71.4	26
1000	3.37	.086	3.58	2.23	26	70.7	.202	74.2	65.8	26
1200	2.95	.062	3.08	2.84	25	61.9	.168	64.3	57.9	25
1500	2.39	.061	2.52	2.32	17	51.8	.232	56.9	46.1	17
2000	1.81	.028	1.85	1.78	8	41.3	.70	42.3	40.0	8

STATION MP06 AUGUST 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	29	.00	.00	.00	.00	29
10	.421	.0285	.490	.370	29	.02	.002	.03	.02	29
20	.826	.0553	.950	.730	29	.08	.006	.09	.07	29
30	1.200	.0843	1.360	1.050	29	.18	.014	.21	.16	29
50	1.827	.1240	2.080	1.640	29	.43	.032	.50	.39	29
75	2.501	.1590	2.830	2.260	29	.86	.059	.98	.76	29
100	3.097	.2065	3.490	2.780	29	1.39	.105	1.57	1.18	29
125	3.614	.2560	4.080	3.220	29	1.99	.166	2.28	1.69	29
150	4.062	.2918	4.610	3.640	29	2.61	.222	3.06	2.27	29
175	4.469	.3207	5.090	4.040	29	3.29	.270	3.86	2.94	29
200	4.855	.3418	5.530	4.410	29	4.02	.312	4.71	3.64	29
225	5.221	.3578	5.940	4.750	29	4.82	.349	5.59	4.40	29
250	5.578	.3695	6.330	5.100	29	5.68	.379	6.50	5.23	29
300	6.259	.3892	7.070	5.750	29	7.59	.438	8.52	7.07	29
400	7.527	.4167	8.420	6.970	29	12.11	.550	13.36	11.44	29
500	8.696	.4500	9.670	8.110	29	17.45	.705	19.06	16.65	28
600	9.769	.4832	10.820	9.150	27	23.48	.884	25.49	22.48	27
700	10.761	.5043	11.860	10.110	27	30.04	1.057	32.44	28.82	27
800	11.682	.5210	12.820	11.000	27	37.08	1.227	39.77	35.59	27
900	12.563	.5404	13.720	11.840	26	44.60	1.397	47.51	42.73	26
1000	13.374	.5540	14.550	12.640	26	52.46	1.585	55.58	50.12	26
1200	14.868	.5886	16.070	14.110	25	69.22	1.960	72.64	65.78	25
1500	16.670	.5438	18.060	15.920	17	95.75	2.601	100.16	90.59	17
2000	19.484	.6227	20.860	18.800	8	145.09	2.511	149.68	142.55	8

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	5.95	.519	6.36	5.09	5	1504	2.9	1509	1498	29
10	6.39	.384	6.99	6.01	5	1503	3.2	1508	1497	29
20	6.14	.425	6.75	5.65	5	1500	4.8	1508	1489	29
30	6.17	.289	6.59	5.83	5	1495	6.1	1507	1482	29
50	6.23	.420	6.86	5.73	5	1484	5.6	1490	1476	29
75	5.69	.850	6.51	4.47	5	1481	4.4	1487	1476	29
100	4.56	1.104	6.32	3.63	5	1481	3.2	1488	1477	29
125	3.91	.599	4.87	3.24	5	1481	3.1	1488	1477	29
150	3.55	.453	4.21	2.95	5	1482	2.6	1488	1478	29
175	3.28	.474	3.94	2.61	5	1481	2.0	1486	1479	29
200	3.11	.361	3.52	2.56	5	1480	1.9	1485	1478	29
225	2.91	.245	3.14	2.49	5	1479	1.6	1482	1477	29
250	2.72	.215	3.01	2.42	5	1478	1.4	1481	1476	29
300	2.21	.442	2.85	1.63	5	1477	1.3	1480	1475	28
400	1.41	.310	1.86	1.01	5	1477	.9	1479	1475	28
500	.94	.264	1.35	.71	5	1477	.8	1479	1476	27
600	.64	.168	.88	.46	5	1478	.6	1479	1477	27
700	.49	.120	.62	.35	5	1478	.7	1480	1477	27
800	.38	.110	.50	.25	5	1479	.5	1480	1479	26
900	.36	.076	.46	.26	5	1480	.4	1481	1479	26
1000	.36	.065	.42	.27	5	1482	.4	1482	1481	25
1200	.47	.072	.57	.37	5	1484	.5	1485	1484	17
1500	.78	.156	.95	.60	5	1491	.5	1491	1490	8

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.375	.5551	14.551	12.640	26
10	12.953	.5412	14.093	12.240	26
20	12.549	.5191	13.631	11.872	26
30	12.176	.4891	13.191	11.540	26
50	11.550	.4499	12.470	10.979	26
75	10.878	.4219	11.735	10.362	26
100	10.278	.3820	11.059	9.813	26
125	9.757	.3374	10.466	9.346	26
150	9.308	.3019	9.936	8.931	26
175	8.897	.2750	9.459	8.542	26
200	8.511	.2534	9.019	8.174	26
225	8.141	.2363	8.612	7.819	26
250	7.784	.2226	8.239	7.474	26
300	7.100	.2003	7.521	6.814	26
400	5.829	.1645	6.184	5.580	26
500	4.663	.1289	4.953	4.454	26
600	3.589	.0964	3.806	3.424	26
700	2.597	.0684	2.750	2.472	26
800	1.675	.0442	1.768	1.588	26
900	.812	.0225	.855	.763	26
1000	.000	.0000	.000	.000	26
1200	-1.493	.0388	-1.398	-1.548	25
1500	-3.451	1.038	-3.207	-3.597	17
2000	-6.228	.0994	-6.100	-6.378	8

STATION MP06 S E P T E M B E R 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	14.97	1.268	17.90	11.30	21	32.071	.1612	32.395	31.730	21	
10	14.79	1.211	17.40	11.57	21	32.083	.1554	32.378	31.740	21	
20	14.27	1.279	16.68	11.60	21	32.125	.1538	32.379	31.760	21	
30	12.40	1.680	15.00	9.35	21	32.242	.1603	32.501	31.946	21	
50	8.93	.987	10.77	7.56	21	32.506	.1023	32.785	32.280	21	
75	7.71	.660	9.37	6.65	21	32.710	.1690	32.211	32.500	21	
100	7.42	.426	8.41	6.79	21	32.089	.2669	33.573	32.603	21	
125	7.30	.271	7.82	6.72	21	33.469	.2273	33.765	32.982	21	
150	7.16	.292	7.74	6.73	21	33.721	.1419	33.890	33.371	21	
175	6.94	.252	7.52	6.58	21	33.849	.0663	33.935	33.694	21	
200	6.68	.231	7.27	6.35	21	33.898	.0420	33.948	33.813	21	
225	6.40	.256	7.11	6.03	21	33.918	.0392	33.975	33.837	21	
250	6.13	.263	6.81	5.74	21	33.930	.0379	33.975	33.855	21	
300	5.71	.269	6.26	5.33	21	33.961	.0438	34.013	33.879	21	
400	5.09	.243	5.53	4.66	21	34.027	.0400	34.091	33.945	21	
500	4.67	.200	5.00	4.32	21	34.100	.0305	34.165	34.051	21	
600	4.37	.164	4.63	4.03	21	34.176	.0253	34.227	34.137	21	
700	4.12	.120	4.29	3.94	21	34.246	.0223	34.298	34.200	21	
800	3.89	.107	4.10	3.66	21	34.302	.0221	34.359	34.259	21	
900	3.66	.086	3.85	3.48	21	34.347	.0225	34.402	34.310	21	
1000	3.44	.071	3.56	3.31	21	34.386	.0221	34.436	34.339	21	
1200	3.01	.060	3.12	2.89	21	34.445	.0213	34.490	34.398	21	
1500	2.50	.052	2.61	2.43	14	34.516	.0148	34.550	34.487	14	
2000	1.92	.033	1.98	1.88	8	34.598	.0070	34.607	34.587	8	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	23.741	.3404	24.719	22.935	21	416.7	32.49	493.7	323.4	21	
10	23.788	.3258	24.658	23.051	21	412.5	31.08	482.8	329.5	21	
20	23.930	.3293	24.653	23.278	21	399.1	31.43	461.4	330.2	21	
30	24.386	.3830	25.023	23.517	21	355.8	36.58	410.1	295.0	21	
50	25.197	.1748	25.402	24.777	21	278.8	16.72	318.9	259.1	21	
75	25.541	.1732	25.963	25.175	21	246.4	16.50	281.4	206.3	21	
100	25.879	.2289	26.274	25.399	21	214.5	21.75	260.3	177.1	21	
125	26.195	.1810	26.435	25.750	21	184.9	17.19	227.3	162.2	21	
150	26.411	.0994	26.548	26.168	21	164.8	9.40	187.8	151.8	21	
175	26.542	.0500	26.626	26.462	21	152.7	4.76	160.2	144.6	21	
200	26.617	.0355	26.675	26.553	21	145.9	3.39	152.1	140.2	21	
225	26.669	.0335	26.722	26.590	21	141.2	3.24	149.0	136.1	21	
250	26.713	.0328	26.764	26.640	21	137.2	3.19	144.4	132.3	21	
300	26.791	.0314	26.845	26.729	21	130.2	3.05	136.4	125.0	21	
400	26.916	.0252	26.965	26.867	21	119.0	2.43	124.0	114.4	21	
500	27.022	.0212	27.063	26.977	21	109.7	2.12	114.3	105.8	21	
600	27.115	.0197	27.152	27.074	21	101.5	1.96	105.7	98.0	21	
700	27.197	.0171	27.243	27.172	21	94.3	1.67	96.8	89.9	21	
800	27.265	.0178	27.309	27.221	21	88.4	1.75	92.9	84.5	21	
900	27.324	.0174	27.365	27.276	21	83.2	1.68	88.1	79.5	21	
1000	27.376	.0169	27.412	27.337	21	78.6	1.61	82.3	75.3	21	
1200	27.463	.0184	27.498	27.428	21	70.7	1.77	74.1	67.5	21	
1500	27.565	.0137	27.595	27.537	14	61.2	1.37	64.0	58.4	14	
2000	27.678	.0055	27.686	27.672	8	50.6	.55	51.3	49.8	8	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	14.97	1.268	17.90	11.30	21	416.7	32.49	493.7	323.4	21	
10	14.79	1.211	17.40	11.57	21	412.2	31.07	482.5	329.3	21	
20	14.26	1.280	16.68	11.60	21	398.6	31.39	460.7	329.7	21	
30	12.39	1.680	15.00	9.35	21	355.1	36.48	409.3	294.4	21	
50	8.93	.985	10.76	7.56	21	277.9	16.63	317.8	258.3	21	
75	7.70	.658	9.36	6.64	21	245.2	16.46	279.9	205.0	21	
100	7.41	.425	8.40	6.78	21	212.9	21.74	258.6	175.4	21	
125	7.29	.270	7.81	6.71	21	182.9	17.21	225.2	160.1	21	
150	7.15	.292	7.73	6.72	21	162.3	9.43	185.5	149.4	21	
175	6.93	.251	7.50	6.56	21	149.9	4.74	157.5	141.9	21	
200	6.66	.230	7.25	6.34	21	142.8	3.35	148.0	137.3	21	
225	6.38	.256	7.09	6.01	21	137.8	3.17	145.3	132.8	21	
250	6.11	.263	6.79	5.72	21	133.7	3.11	140.5	128.8	21	
300	5.68	.268	6.23	5.31	21	126.2	2.99	132.1	121.1	21	
400	5.06	.241	5.50	4.63	21	114.3	2.58	118.9	109.6	21	
500	4.63	.198	4.96	4.28	21	104.2	2.02	108.4	100.3	21	
600	4.32	.164	4.58	3.99	21	95.3	1.85	99.1	91.8	21	
700	4.07	.119	4.24	3.89	21	87.5	1.62	89.8	83.1	21	
800	3.83	.106	4.04	3.60	21	81.0	1.68	85.1	76.8	21	
900	3.60	.085	3.78	3.42	21	75.4	1.66	79.9	71.5	21	
1000	3.37	.071	3.49	3.24	21	70.4	1.61	74.1	66.9	21	
1200	2.93	.058	3.03	2.81	21	62.1	1.73	65.4	58.7	21	
1500	2.39	.050	2.50	2.33	14	52.3	1.31	54.9	49.4	14	
2000	1.78	.032	1.84	1.75	8	41.4	.48	42.1	40.7	8	

STATION MP06 S E P T E M B E R 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	21	.00	.000	.00	.00	21
10	.417	.0316	.490	.330	21	.02	.000	.02	.02	21
20	.824	.0609	.960	.650	21	.08	.007	.10	.07	21
30	1.203	.0819	1.400	.990	21	.10	.013	.21	.15	21
50	1.830	.1125	2.100	1.600	21	.45	.029	.49	.40	21
75	2.484	.1423	2.770	2.200	21	1.85	.051	.94	.78	21
100	3.060	.1794	3.370	2.680	21	1.36	.088	1.54	1.20	21
125	3.557	.2196	3.970	3.100	21	1.93	.142	2.24	1.69	21
150	3.991	.2487	4.490	3.490	21	2.54	.187	2.97	2.24	21
175	4.387	.2623	4.920	3.860	21	3.19	.212	3.68	2.85	21
200	4.759	.2678	5.300	4.220	21	4.68	.233	4.41	3.54	21
225	5.119	.2715	5.660	4.570	21	5.52	.241	5.19	4.29	21
250	5.466	.2737	6.010	4.910	21	7.40	.261	7.94	6.94	21
300	6.133	.2781	6.690	5.560	21	11.82	.321	12.47	11.28	21
400	7.375	.2887	7.960	6.780	21	17.06	.391	17.82	16.42	21
500	8.519	.2990	9.130	7.920	21	22.96	.475	23.81	22.16	21
600	9.573	.3057	10.200	8.990	21	29.44	.564	30.32	28.38	21
700	10.549	.3117	11.180	9.980	21	36.41	.669	37.47	35.01	21
800	11.462	.3159	12.090	10.910	21	43.83	.788	45.27	42.09	21
900	12.320	.3220	12.950	11.770	21	51.66	.921	53.53	49.59	21
1000	13.129	.3280	13.760	12.580	21	68.36	1.205	71.01	65.52	21
1200	14.619	.3368	15.250	14.070	21	95.55	1.832	99.50	91.29	14
1500	16.616	.3910	17.230	16.000	14	146.03	2.268	150.86	142.90	8
2000	19.481	.4694	20.050	18.790	8					

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.04	.042	6.07	6.01	2	1504	3.9	1512	1492	21
10	6.10	.127	6.19	6.01	21	1503	3.9	1511	1493	21
20	6.37	.537	6.75	5.99	21	1502	4.1	1509	1493	21
30	6.44	.622	6.88	6.00	21	1496	5.6	1504	1485	21
50	6.45	.170	6.57	6.33	21	1484	3.7	1491	1479	21
75	5.94	.488	6.28	5.59	21	1480	2.5	1486	1476	21
100	5.01	1.096	5.79	4.24	21	1480	1.7	1483	1477	21
125	4.35	1.245	5.23	3.47	21	1480	1.1	1483	1478	21
150	3.76	1.160	4.58	3.94	21	1480	1.3	1483	1479	21
175	3.38	1.393	4.37	3.40	21	1480	1.0	1482	1479	21
200	3.05	1.117	3.84	2.26	21	1479	1.1	1482	1478	21
225	2.90	.990	3.60	2.20	21	1479	1.1	1482	1477	21
250	2.76	.912	3.41	2.12	21	1478	1.1	1481	1477	21
300	2.23	.566	2.63	1.85	21	1477	1.2	1480	1476	21
400	1.39	.141	1.49	1.29	21	1477	1.1	1478	1475	21
500	.88	.106	.95	.80	21	1477	.7	1478	1475	21
600	.52	.035	.54	.49	21	1477	.7	1478	1476	21
700	.44	.035	.46	.41	21	1478	.7	1479	1477	21
800	.37	.085	.43	.31	21	1479	.7	1479	1478	21
900	.35	.071	.40	.30	21	1479	.7	1480	1478	21
1000	.34	.057	.38	.30	21	1480	.7	1481	1479	21
1200	.45	.064	.50	.41	21	1482	.7	1482	1481	21
1500	.75	.028	.77	.73	21	1485	.7	1485	1484	14
2000	1.52	.049	1.56	1.49	21	1490	.7	1491	1490	8

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.128	.3278	13.760	12.581	21
10	12.712	.3211	13.339	12.181	21
20	12.304	.3175	12.925	11.765	21
30	11.924	.2968	12.515	11.410	21
50	11.299	.2577	11.816	10.860	21
75	10.644	.2325	11.082	10.246	21
100	10.070	.2058	10.403	9.694	21
125	9.572	.1816	9.923	9.208	21
150	9.136	.1660	9.507	8.794	21
175	8.741	.1568	9.105	8.411	21
200	8.368	.1498	8.718	8.045	21
225	8.010	.1431	8.341	7.691	21
250	7.662	.1369	7.976	7.349	21
300	6.994	.1247	7.277	6.698	21
400	5.752	.1009	5.978	5.515	21
500	4.610	.0849	4.812	4.414	21
600	3.556	.0657	3.712	3.400	21
700	2.578	.0489	2.701	2.460	21
800	1.665	.0322	1.754	1.592	21
900	.809	.0168	.853	.775	21
1000	.000	.0000	.000	.000	21
1200	-1.490	.0315	-1.421	-1.559	21
1500	-3.459	.0756	-3.298	-3.633	14
2000	-6.301	.0984	-6.189	-6.526	8

STATION MP06 OCTOBER 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.91	1.336	14.34	10.75	16	32.213	.1514	32.470	32.004	16
10	12.83	1.313	14.43	10.73	16	32.213	.1611	32.520	32.001	16
20	12.34	1.319	14.28	10.67	16	32.262	.1399	32.558	32.022	16
30	11.26	1.590	14.22	9.21	16	32.367	.1344	32.583	32.154	16
50	8.64	1.493	13.77	7.20	16	32.585	.1213	32.773	32.189	16
75	7.70	.745	10.05	6.57	16	32.928	.1979	32.139	32.562	16
100	7.55	.374	8.61	6.90	16	33.346	.2470	33.569	32.630	16
125	7.30	.340	8.18	6.80	16	33.649	.2225	33.794	32.864	16
150	7.02	.208	7.36	6.70	16	33.809	.1076	33.886	32.424	16
175	6.77	.228	7.19	6.45	16	33.872	.0793	33.984	33.611	16
200	6.54	.218	7.02	6.25	16	33.905	.0571	34.009	33.732	16
225	6.30	.201	6.76	6.07	16	33.924	.0457	34.030	33.802	16
250	6.09	.210	6.52	5.81	16	33.939	.0431	34.040	33.841	16
300	5.66	.285	6.14	5.29	15	33.957	.0491	34.060	33.863	15
400	5.12	.319	5.54	4.62	14	34.020	.0392	34.125	33.969	14
500	4.69	.226	4.98	4.33	14	34.096	.0363	34.193	34.042	14
600	4.34	.187	4.54	4.01	14	34.170	.0339	34.259	34.132	14
700	4.11	.143	4.24	3.80	13	34.240	.0359	34.329	34.200	13
800	3.86	.122	4.01	3.64	13	34.299	.0366	34.400	34.255	13
900	3.64	.165	3.76	3.44	13	34.351	.0281	34.429	34.310	13
1000	3.43	.087	3.57	3.29	13	34.394	.0273	34.474	34.361	13
1200	3.01	.052	3.09	2.93	13	34.456	.0301	34.541	34.416	13
1500	2.49	.032	2.52	2.43	9	34.516	.0121	34.530	34.494	9
2000	1.92	.021	1.95	1.89	8	34.593	.0112	34.608	34.576	8
SIGMA T										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.270	.3299	24.837	23.942	16	366.2	.31.42	397.5	312.2	16
10	24.286	.3255	24.836	23.937	16	364.9	.31.05	398.1	312.5	16
20	24.417	.4057	24.854	25.980	16	352.7	.29.16	394.4	310.9	16
30	24.693	.5517	25.179	24.061	16	326.5	.29.57	386.8	280.1	16
50	25.297	.3389	25.547	24.088	16	269.2	.32.40	384.8	245.4	16
75	25.712	.2269	25.932	25.065	16	230.0	.21.65	291.9	209.1	16
100	26.062	.2263	26.251	25.348	16	197.2	.21.52	265.2	179.3	16
125	26.336	.2048	26.488	25.595	16	156.3	.19.46	183.7	148.5	16
150	26.500	.0840	26.583	26.211	16	148.6	.5.39	165.2	141.3	16
175	26.584	.0568	26.662	26.408	16	143.6	.4.17	154.1	136.8	16
200	26.640	.0438	26.712	26.528	16	139.4	.80	146.8	131.2	16
225	26.687	.0397	26.773	26.608	16	136.0	.27	141.6	128.3	16
250	26.725	.0342	26.807	26.668	16	129.9	.17	134.6	122.5	15
300	26.793	.0328	26.872	26.745	15	119.0	.67	125.0	112.3	14
400	26.907	.0368	26.988	26.857	14	110.2	.64	115.6	102.4	14
500	27.016	.0369	27.089	26.962	14	101.6	.23	105.7	95.4	14
600	27.113	.0325	27.179	27.071	14	94.7	.03	98.8	88.2	13
700	27.193	.0314	27.262	27.151	14	88.3	.00	92.9	81.1	13
800	27.265	.0311	27.343	27.218	14	82.7	.22.69	87.1	76.4	13
900	27.329	.0274	27.396	27.284	14	77.9	.2.49	81.9	71.9	13
1000	27.383	.0253	27.448	27.344	14	69.9	.2.43	72.8	63.5	13
1200	27.472	.0255	27.541	27.441	14	61.1	.1.07	62.5	59.4	13
1500	27.567	.0110	27.582	27.550	14	50.9	.97	52.6	49.7	8
2000	27.674	.0103	27.687	27.658	8					
THETA										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.91	1.336	14.34	10.75	16	366.2	.31.42	397.5	312.2	16
10	12.83	1.313	14.43	10.73	16	364.6	.31.02	397.9	312.3	16
20	12.34	1.319	14.28	10.67	16	352.2	.29.13	393.8	310.5	16
30	11.26	1.590	14.22	9.21	16	325.8	.33.48	386.0	279.6	16
50	8.64	1.491	13.76	7.20	16	268.4	.32.26	383.4	244.5	16
75	7.69	.745	10.04	6.56	16	228.8	.21.57	363.4	207.9	16
100	7.54	.374	8.60	6.89	16	195.5	.21.51	363.4	177.6	16
125	7.29	.340	8.16	6.79	16	169.6	.19.44	239.9	155.1	16
150	7.01	.206	7.34	6.69	16	155.9	.7.98	181.4	146.1	16
175	6.75	.226	7.17	6.44	16	145.9	.5.40	162.6	138.5	16
200	6.52	.217	7.00	6.23	16	140.6	.4.15	151.2	133.7	16
225	6.28	.201	6.74	6.05	16	136.1	.3.76	143.6	127.9	16
250	6.07	.208	6.49	5.79	16	132.4	.2.25	137.8	124.7	16
300	5.64	.281	6.11	5.27	15	126.0	.1.11	130.6	118.5	15
400	5.09	.319	5.51	4.59	14	115.1	.49	119.9	107.4	14
500	4.65	.224	4.94	4.30	14	104.7	.49	109.9	97.8	14
600	4.30	.184	4.49	3.97	14	95.5	.08	99.4	89.2	14
700	4.06	.141	4.18	3.75	13	87.9	.95	91.8	81.3	13
800	3.86	.122	3.95	3.58	13	81.0	.95	85.4	73.6	13
900	3.57	.103	3.70	3.38	13	74.9	.58	79.1	68.6	13
1000	3.36	.085	3.49	3.22	13	69.7	.39	73.4	63.6	13
1200	2.93	.050	3.00	2.85	13	61.2	.41	64.2	54.7	13
1500	2.39	.031	2.42	2.30	13	52.2	.01	53.7	50.7	13
2000	1.78	.022	1.81	1.75	13	41.8	.92	43.3	40.6	13
SVA (THETA)										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.91	1.336	14.34	10.75	16	366.2	.31.42	397.5	312.2	16
10	12.83	1.313	14.43	10.73	16	364.6	.31.02	397.9	312.3	16
20	12.34	1.319	14.28	10.67	16	352.2	.29.13	393.8	310.5	16
30	11.26	1.590	14.22	9.21	16	325.8	.33.48	386.0	279.6	16
50	8.64	1.491	13.76	7.20	16	268.4	.32.26	383.4	244.5	16
75	7.69	.745	10.04	6.56	16	228.8	.21.57	363.4	207.9	16
100	7.54	.374	8.60	6.89	16	195.5	.21.51	363.4	177.6	16
125	7.29	.340	8.16	6.79	16	169.6	.19.44	239.9	155.1	16
150	7.01	.206	7.34	6.69	16	155.9	.7.98	181.4	146.1	16
175	6.75	.226	7.17	6.44	16	145.9	.5.40	162.6	138.5	16
200	6.52	.217	7.00	6.23	16	140.6	.4.15	151.2	133.7	16
225	6.28	.201	6.74	6.05	16	136.1	.3.76	143.6	127.9	16
250	6.07	.208	6.49	5.79	16	132.4	.2.25	137.8	124.7	16
300	5.64	.281	6.11	5.27	15	126.0	.1.11	130.6	118.5	15
400	5.09	.319	5.51	4.59	14	115.1	.49	119.9	107.4	14
500	4.65	.224	4.94	4.30	14	104.7	.49	109.9	97.8	14
600	4.30	.184	4.49	3.97	14	95.5	.08	99.4	89.2	14
700	4.06	.141	4.18	3.75	13	87.9	.95	91.8	81.3	13
800	3.86	.122	3.95	3.58	13	81.0	.58	85.4	73.6	13
900	3.57	.103	3.70	3.38	13	74.9	.39	79.1	68.6	13
1000	3.36	.085	3.49	3.22	13	69.7	.21	73.4	63.6	13
1200	2.93	.050	3.00	2.85	13	61.2	.41	64.2	54.7	13
1500	2.39	.031	2.42	2.30	13	52.2	.01	53.7	50.7	13
2000	1.78	.022	1.81	1.75	13	41.8	.92	43.3	40.6	13

STATION MP06 OCTOBER 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	16	.00	.000	.00	.00	16
10	.366	.0330	.410	.310	16	.02	.000	.02	.02	16
20	.727	.0591	.790	.620	16	.07	.008	.08	.06	16
30	1.069	.0776	1.160	.940	16	.16	.013	.18	.14	16
50	1.665	.1086	1.920	1.520	16	.40	.031	.49	.37	16
75	2.287	.1621	2.760	2.120	16	.80	.069	1.02	.74	16
100	2.820	.2129	3.450	2.620	16	1.27	.116	1.64	1.17	16
125	3.279	.2631	4.090	3.640	16	1.80	.173	2.37	1.67	16
150	3.687	.2961	4.630	3.420	16	2.37	.220	3.12	2.22	16
175	4.066	.3061	5.050	3.780	16	3.00	.238	3.82	2.82	16
200	4.430	.3138	5.450	4.140	16	3.46	.254	4.58	3.50	16
225	4.784	.3208	5.830	4.480	16	5.29	.268	5.40	4.24	16
250	5.129	.3236	6.190	4.820	16	7.15	.277	6.26	5.05	16
300	5.789	.3383	6.870	5.470	15	11.62	.310	8.19	6.87	15
400	7.056	.3550	8.160	6.690	14	16.89	.386	12.79	11.24	14
500	8.207	.3700	9.350	7.810	14	22.82	.512	18.21	16.19	14
600	9.266	.3838	10.430	8.840	14	29.37	.667	24.26	21.73	14
700	10.275	.3946	11.420	9.810	13	36.35	.844	30.85	27.82	13
800	11.188	.4099	12.360	10.710	13	43.76	1.057	37.99	34.27	13
900	12.045	.4243	13.230	11.550	13	51.53	1.289	45.55	41.08	13
1000	12.845	.4397	14.050	12.330	13	68.09	2.023	70.86	63.40	13
1200	14.325	.4693	15.560	13.780	13	95.77	2.105	98.32	92.69	13
1500	16.362	.5755	17.590	15.700	13	145.46	3.014	149.35	141.38	8
2000	19.139	.6520	20.460	18.440	8					

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.23	.013	6.25	6.22	4	1497	4.5	1502	1490	16
10	6.26	.041	6.32	6.23	4	1497	4.4	1502	1490	16
20	6.26	.042	6.30	6.21	4	1495	4.4	1502	1490	16
30	6.24	.113	6.41	6.16	4	1492	5.3	1502	1485	16
50	6.06	.298	6.49	5.84	4	1483	5.4	1501	1477	16
75	4.900	.359	5.43	4.67	4	1480	2.9	1489	1475	16
100	3.88	.127	4.04	3.77	4	1481	1.4	1484	1478	16
125	4.46	.187	3.69	3.25	4	1481	1.3	1483	1478	16
150	1.13	.260	3.29	2.74	4	1480	.8	1481	1479	16
175	2.98	.050	3.04	2.92	4	1479	.9	1481	1478	16
200	2.82	.082	2.88	2.70	4	1479	.9	1481	1478	16
225	2.61	.139	2.74	2.42	4	1479	.7	1480	1478	16
250	2.40	.207	2.61	2.16	4	1478	1.0	1480	1477	16
300	2.05	.270	2.27	1.68	4	1477	1.2	1479	1476	15
400	1.34	.152	1.45	1.12	4	1477	1.1	1478	1475	14
500	.86	.066	.91	.78	4	1477	.8	1478	1476	14
600	.55	.034	.59	.52	4	1478	.7	1478	1476	13
700	.42	.012	.43	.41	4	1479	.7	1479	1477	13
800	.31	.015	.33	.30	4	1479	.8	1480	1478	13
900	.31	.015	.32	.29	4	1479	.4	1481	1479	13
1000	.31	.012	.32	.30	4	1480	.5	1482	1481	13
1200	.43	.010	.44	.42	4	1484	.5	1485	1484	9
1500	.76	.006	.76	.75	4	1490	.4	1491	1490	8
2000	1.47	.030	1.50	1.44						

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.847	.4391	14.049	12.332	13
10	12.474	.4235	13.666	12.019	13
20	12.110	.4101	13.283	11.707	13
30	11.766	.3978	12.899	11.357	13
50	11.171	.3626	12.129	10.687	13
75	10.543	.3228	11.290	10.030	13
100	10.004	.3037	10.597	9.441	13
125	9.542	.2807	9.958	8.954	13
150	9.130	.2653	9.512	8.536	13
175	8.748	.2562	9.124	8.167	13
200	8.383	.2472	8.749	7.820	13
225	8.028	.2390	8.381	7.484	13
250	7.683	.2308	8.023	7.160	13
300	7.017	.2153	7.332	6.533	13
400	5.766	.1829	6.036	5.357	13
500	4.614	.1479	4.832	4.280	13
600	3.553	.1138	3.725	3.291	13
700	2.571	.0840	2.703	2.371	13
800	1.658	.0546	1.745	1.526	13
900	.802	.0260	.845	.740	13
1000	.000	.0000	.000	.000	13
1200	-1.477	.0470	-1.352	-1.534	13
1500	-3.462	.0675	-3.372	-3.543	13
2000	-6.259	.1177	-6.111	-6.413	13

STATION MP06 NOVEMBER 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N
0	10.36	.906	11.55	8.35	12
10	10.36	.907	11.56	8.35	12
20	10.35	.913	11.57	8.32	12
30	10.33	1.019	11.58	8.31	12
50	9.90	1.029	11.05	8.07	12
75	8.24	.516	8.98	7.36	12
100	7.79	.479	8.46	6.76	11
125	7.51	.342	8.04	6.86	11
150	7.22	.353	7.89	6.86	11
175	6.99	.379	7.73	6.69	11
200	6.76	.405	7.53	6.37	11
225	6.49	.445	7.34	6.08	11
250	6.23	.469	7.16	5.81	11
300	5.77	.503	6.80	5.37	11
400	5.02	.560	5.75	4.68	11
500	4.59	.278	5.34	4.32	11
600	4.30	.256	4.85	4.01	11
700	3.99	.146	4.36	3.83	10
800	3.79	.101	4.04	3.68	10
900	3.60	.093	3.84	3.52	10
1000	3.39	.106	3.64	3.23	10
1200	3.00	.062	3.11	2.93	10
1500	2.48	.047	2.54	2.41	5
2000	1.92	n/a	n/a	n/a	1

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N
0	32.356	.0871	32.507	32.257	12
10	32.356	.0869	32.505	32.250	12
20	32.459	.0929	32.530	32.248	12
30	32.362	.0965	32.543	32.246	12
50	32.410	.1241	32.643	32.259	12
75	32.768	.1529	33.064	32.584	12
100	32.218	.1680	33.481	32.032	11
125	33.582	.1020	33.714	32.470	11
150	33.790	.0631	33.867	32.693	11
175	33.873	.0357	33.921	32.810	11
200	33.907	.0290	33.942	32.851	11
225	33.919	.0283	33.968	33.880	11
250	33.931	.0310	33.983	33.889	11
300	33.953	.0318	34.018	33.914	11
400	34.003	.0222	34.055	33.973	11
500	34.081	.0332	34.146	34.018	11
600	34.171	.0276	34.233	34.130	11
700	34.245	.0267	34.295	34.214	10
800	34.303	.0246	34.358	34.271	10
900	34.355	.0221	34.406	34.330	10
1000	34.394	.0199	34.436	34.374	10
1200	34.459	.0156	34.483	34.438	10
1500	34.527	.0115	34.540	34.509	5
2000	34.595	n/a	n/a	n/a	1

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N
0	24.850	.2089	25.291	24.616	12
10	24.850	.2082	25.289	24.615	12
20	24.853	.2134	25.313	24.617	12
30	24.860	.2175	25.325	24.618	12
50	24.967	.2531	25.438	24.712	12
75	25.510	.1503	25.691	25.255	12
100	25.928	.1260	26.124	25.746	11
125	26.254	.0761	26.382	26.155	11
150	26.458	.0593	26.544	26.389	11
175	26.554	.0509	26.622	26.471	11
200	26.613	.0492	26.670	26.528	11
225	26.658	.0470	26.713	26.576	11
250	26.701	.0475	26.761	26.618	11
300	26.775	.0499	26.834	26.677	11
400	26.905	.0430	26.964	26.824	11
500	27.016	.0457	27.071	26.920	11
600	27.118	.0397	27.167	27.026	11
700	27.209	.0243	27.248	27.156	10
800	27.276	.0191	27.314	27.246	10
900	27.336	.0173	27.371	27.314	10
1000	27.387	.0161	27.415	27.361	10
1200	27.476	.0107	27.489	27.462	10
1500	27.575	.0090	27.586	27.561	5
2000	27.675	n/a	n/a	n/a	1

SVA

PRESS	MEAN	S.D.	MAX	MIN	N
0	311.0	19.87	333.2	269.0	12
10	311.1	19.82	333.5	269.3	12
20	311.0	20.34	333.6	267.2	12
50	310.6	20.75	333.7	266.2	12
75	300.7	24.17	325.1	255.7	12
100	249.4	14.32	273.7	232.2	12
125	210.0	11.96	227.3	191.3	11
150	179.4	7.24	188.8	167.2	11
175	160.4	5.68	167.1	152.2	11
200	151.6	4.94	159.7	145.1	11
225	146.3	4.82	154.6	140.7	11
250	142.2	4.65	150.4	136.9	11
275	138.4	4.74	146.7	132.5	11
300	131.7	5.04	141.6	125.9	11
400	119.9	4.36	128.2	114.3	11
500	110.1	4.58	120.0	104.9	11
600	93.0	2.40	98.5	89.4	10
700	87.2	1.83	90.4	83.7	10
800	82.0	1.68	84.5	78.8	10
900	77.4	1.64	80.5	75.0	10
1000	69.5	.99	70.8	68.2	10
1200	60.2	.91	61.6	59.2	5
1500	50.9	n/a	n/a	n/a	1

THETA

PRESS	MEAN	S.D.	MAX	MIN	N
0	10.36	.906	11.55	8.35	12
10	10.36	.907	11.56	8.35	12
20	10.35	.913	11.57	8.32	12
30	10.32	1.017	11.57	8.31	12
50	9.89	1.027	11.04	8.07	12
75	8.73	.516	8.97	7.35	12
100	7.78	.479	8.45	6.75	11
125	7.50	.342	8.03	6.85	11
150	7.21	.349	7.87	6.85	11
175	6.98	.378	7.71	6.68	11
200	6.74	.405	7.51	6.35	11
225	6.47	.445	7.32	6.06	11
250	6.21	.467	7.13	5.79	11
300	5.75	.500	6.77	5.35	11
400	4.99	.360	5.72	4.65	11
500	4.55	.278	5.30	4.28	11
600	4.26	.254	4.80	3.97	11
700	3.94	.146	4.31	3.78	10
800	3.73	.101	3.98	3.62	10
900	3.53	.092	3.77	3.45	10
1000	3.32	.106	3.57	3.16	10
1200	2.95	.059	3.02	2.85	10
1500	2.58	.047	2.44	2.31	5
2000	1.79	n/a	n/a	n/a	1

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N
0	311.0	19.87	333.2	269.0	12
10	310.9	19.81	333.3	269.1	12
20	310.6	20.31	333.1	266.9	12
50	309.9	20.69	333.0	265.7	12
75	299.7	24.08	324.0	254.9	12
100	248.1	14.29	272.3	230.8	12
125	208.3	11.94	225.5	189.7	11
150	177.3	7.23	186.7	165.1	11
175	157.9	5.61	164.4	149.8	11
200	148.8	4.81	156.6	142.3	11
225	143.1	4.65	151.2	137.7	11
250	138.8	4.42	146.5	133.7	11
275	134.8	4.46	142.6	129.1	11
300	127.7	4.70	136.9	122.1	11
400	115.3	4.06	123.0	109.8	11
500	104.8	4.31	113.0	99.6	11
600	95.1	3.74	103.7	90.4	11
700	86.4	2.29	91.3	82.7	10
800	80.0	1.80	82.7	76.3	10
900	74.3	1.64	76.3	70.9	10
1000	69.3	1.54	71.8	66.7	10
1200	60.9	1.02	62.2	59.6	10
1500	51.3	.88	52.7	50.3	5
2000	41.7	n/a	n/a	n/a	1

STATION MP06 NOVEMBER 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	12	.00	.00	.00	.00	12
10	.313	.091	.330	.270	12	.02	.005	.02	.01	12
20	.622	.0403	.670	.540	12	.06	.007	.07	.05	12
30	.934	.0617	1.000	.800	12	.14	.011	.15	.12	12
50	1.558	.1021	1.660	1.340	12	.40	.028	.42	.34	12
75	2.244	.1287	2.390	2.010	12	.83	.047	.90	.75	12
100	2.830	.1426	3.010	2.540	11	1.35	.067	1.45	1.24	11
125	3.316	.1599	3.510	2.990	11	1.90	.090	2.02	1.75	11
150	3.736	.1735	3.940	3.380	11	2.49	.105	2.63	2.31	11
175	4.126	.1803	4.330	3.760	11	3.13	.119	3.27	2.92	11
200	4.499	.1885	4.710	4.110	11	3.84	.130	3.98	3.61	11
225	4.859	.1954	5.070	4.460	11	4.63	.148	4.78	4.36	11
250	5.210	.1997	5.420	4.800	11	5.47	.166	5.64	5.18	11
300	5.885	.2142	6.090	5.450	11	7.37	.224	7.65	6.99	11
400	7.143	.2404	7.380	6.660	11	11.85	.366	12.44	11.32	11
500	8.291	.2683	8.620	7.770	11	17.11	.544	18.14	16.41	11
600	9.345	.3004	9.770	8.790	11	23.02	.782	24.60	22.13	11
700	10.270	.2937	10.650	9.750	10	29.27	.767	30.99	28.29	10
800	11.169	.3078	11.590	10.630	10	36.14	.915	38.20	34.90	10
900	12.015	.3190	12.470	11.470	10	43.46	1.050	45.77	41.93	10
1000	12.811	.3313	13.290	12.260	10	51.17	1.197	53.75	49.36	10
1200	14.279	.3575	14.800	13.690	10	67.63	1.483	70.68	65.43	10
1500	15.978	.3421	16.520	15.620	5	93.27	1.328	95.36	91.79	5
2000	19.340	n/a	n/a	n/a	1	145.54	n/a	n/a	n/a	1

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.31	.057	6.35	6.27	2	1488	.34	1493	1481	12
10	6.31	.085	6.37	6.25	2	1489	.44	1493	1481	12
20	6.23	.071	6.28	6.18	2	1488	.44	1493	1481	12
30	6.17	.099	6.24	6.10	2	1489	.44	1493	1481	12
50	6.31	.078	6.36	6.25	2	1488	.37	1492	1481	12
75	5.28	1.096	6.05	4.50	2	1482	.20	1485	1479	12
100	4.23	.742	4.75	4.70	2	1481	.20	1484	1477	11
125	3.50	.856	4.10	2.89	2	1481	.12	1483	1479	11
150	3.11	.948	3.78	2.44	2	1481	.13	1483	1479	11
175	2.92	.813	3.50	2.35	2	1480	.15	1483	1479	11
200	2.79	.742	3.52	2.27	2	1480	.16	1483	1478	11
225	2.77	.679	3.25	2.29	2	1479	.19	1483	1478	11
250	2.72	.636	3.17	2.27	2	1479	.18	1482	1477	11
300	2.25	.148	2.36	2.15	2	1478	.20	1482	1476	11
400	1.67	.226	1.83	1.51	2	1476	.14	1479	1475	11
500	.91	.269	1.10	.72	2	1476	.10	1479	1475	11
600	.64	.113	.72	.56	2	1477	.12	1479	1476	11
700	.46	n/a	n/a	n/a	1	1477	.17	1479	1477	10
800	.38	n/a	n/a	n/a	1	1478	.13	1479	1478	10
900	.37	n/a	n/a	n/a	1	1479	.13	1480	1479	10
1000	.37	n/a	n/a	n/a	1	1480	.15	1481	1479	10
1200	.57	n/a	n/a	n/a	1	1482	.15	1482	1481	10
1500	.81	n/a	n/a	n/a	1	1484	.14	1485	1484	5
2000	1.61	n/a	n/a	n/a	1	1490	n/a	n/a	n/a	1

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.811	.3324	13.291	12.257	10
10	12.499	.3189	12.969	11.988	10
20	12.186	.3061	12.647	11.719	10
30	11.873	.2931	12.323	11.453	10
50	11.249	.2677	11.664	10.876	10
75	10.559	.2548	11.038	10.219	10
100	9.983	.2457	10.501	9.667	10
125	9.497	.2378	10.032	9.192	10
150	9.076	.2289	9.604	8.773	10
175	8.690	.2189	9.198	8.390	10
200	8.320	.2090	8.805	8.025	10
225	7.962	.2003	8.425	7.670	10
300	7.613	.1910	8.053	7.326	10
400	6.942	.1720	7.337	6.673	10
500	5.692	.1346	5.999	5.474	10
600	4.553	.1064	4.795	4.377	10
700	3.508	.0758	3.669	3.371	10
800	2.541	.0520	2.641	2.444	10
900	1.642	.0327	1.698	1.579	10
1000	.000	.0000	.000	.000	10
1200	-1.468	.0279	-1.434	-1.511	10
1500	-3.388	.0449	-3.354	-3.463	5
2000	-6.287	n/a	n/a	n/a	1

STATION MP06 D E C E M B E R 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	9.82	.711	11.16	8.53	16	32.235	.1099	32.390	32.030	16
10	9.86	.721	11.19	8.52	16	32.248	.1024	32.400	32.030	16
20	9.80	.718	11.19	8.55	16	32.259	.0901	32.400	32.110	16
30	9.79	.727	11.19	8.50	16	32.278	.0816	32.403	32.154	16
50	9.50	1.101	11.18	7.17	16	32.465	.1461	32.780	32.270	16
75	7.79	.504	8.92	7.20	16	33.025	.2161	33.350	32.640	16
100	7.49	.547	8.96	6.90	16	33.410	.2185	33.690	32.916	16
125	7.28	.486	8.47	6.80	16	33.691	.1046	33.850	32.466	16
150	7.08	.512	8.22	6.45	16	33.829	.0551	33.940	32.722	16
175	6.90	.534	8.01	6.29	16	33.883	.0424	33.970	32.820	16
200	6.70	.569	7.87	6.06	16	33.911	.0416	33.990	33.859	16
225	6.48	.603	7.68	5.76	16	33.929	.0442	34.010	33.868	16
250	6.28	.618	7.52	5.57	16	33.943	.0454	34.020	33.876	16
300	5.96	.577	7.05	5.33	16	33.973	.0400	34.029	33.898	16
400	5.30	.480	6.42	4.72	16	34.027	.0233	34.058	33.979	16
500	4.87	.378	5.84	4.47	16	34.092	.0239	34.130	34.044	16
600	4.50	.293	5.21	4.15	16	34.159	.0272	34.200	34.096	16
700	4.19	.206	4.64	3.93	16	34.226	.0261	34.270	34.169	16
800	3.94	.149	4.22	3.71	16	34.287	.0258	34.340	34.239	16
900	3.69	.129	3.94	3.52	16	34.339	.0223	34.380	34.303	16
1000	3.46	.125	3.71	3.26	16	34.382	.0218	34.420	34.354	16
1200	3.03	.107	3.25	2.90	14	34.448	.0225	34.490	34.422	14
1500	2.45	.070	2.57	2.37	9	34.504	.0105	34.520	34.487	9
2000	1.93	.042	1.96	1.90	2	34.578	.0088	34.585	34.571	2
SIGMA T										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.846	.0854	25.071	24.741	16	311.4	8.15	321.4	289.9	16
10	24.860	.0892	25.071	24.742	16	310.2	8.50	321.5	290.1	16
20	24.868	.0915	25.071	24.743	16	309.6	8.72	321.5	290.3	16
30	24.884	.1153	25.153	24.741	16	308.3	11.01	321.9	282.5	16
50	25.107	.2700	25.673	24.752	16	287.3	25.77	321.3	233.4	16
75	25.777	.1605	26.921	25.506	16	223.9	15.23	249.6	200.8	16
100	26.120	.1514	26.326	25.815	16	191.7	14.36	220.5	172.2	16
125	26.371	.0877	26.499	26.214	16	168.3	8.38	183.2	156.0	16
150	26.507	.0758	26.598	26.357	16	155.6	7.35	170.3	146.9	16
175	26.573	.0685	26.660	26.409	16	149.7	6.67	165.7	141.3	16
200	26.622	.0668	26.700	26.462	16	145.3	6.56	161.0	137.8	16
225	26.666	.0652	26.743	26.516	16	141.5	6.45	156.8	134.0	16
250	26.703	.0661	26.774	26.555	16	138.3	6.54	152.8	131.3	16
300	26.767	.0640	26.838	26.641	16	132.6	6.40	145.2	125.7	16
400	26.890	.0582	26.958	26.755	16	121.6	5.90	135.4	114.8	16
500	26.993	.0531	27.049	26.866	16	112.6	5.43	125.7	107.0	16
600	27.086	.0495	27.133	26.957	16	104.3	5.06	117.5	99.5	16
700	27.173	.0383	27.215	27.080	16	96.7	5.90	106.1	92.7	16
800	27.248	.0308	27.293	27.181	16	90.1	5.10	96.9	85.8	16
900	27.314	.0257	27.356	27.261	16	84.2	2.64	89.7	80.1	16
1000	27.371	.0232	27.449	27.335	16	79.1	2.40	83.1	75.4	16
1200	27.464	.0227	27.504	27.423	14	70.6	2.33	75.1	66.7	14
1500	27.560	.0116	27.569	27.536	9	61.5	1.20	64.2	60.4	9
2000	27.662	.0074	27.665	27.658	2	52.2	0.28	52.4	52.0	2
THETA										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	9.82	.711	11.16	8.53	16	311.4	8.15	321.4	289.9	16
10	9.86	.721	11.19	8.52	16	310.0	8.48	321.3	289.9	16
20	9.80	.718	11.19	8.55	16	309.2	8.72	321.1	289.9	16
30	9.79	1.100	11.17	7.17	16	307.7	10.97	321.3	282.0	16
50	9.29	.725	11.18	8.50	16	286.4	25.68	320.1	232.6	16
75	7.77	.504	8.91	7.19	16	222.6	15.25	248.4	199.5	16
100	7.48	.547	8.95	6.89	16	190.1	14.38	219.0	170.5	16
125	7.29	.486	8.46	6.79	16	166.2	8.34	181.1	154.0	16
150	7.06	.510	8.20	6.44	16	153.2	7.20	167.5	144.6	16
175	6.88	.535	8.00	6.28	16	146.9	6.49	162.5	138.7	16
200	6.68	.569	7.85	6.04	16	142.3	6.32	157.4	134.9	16
225	6.46	.603	7.66	5.74	16	138.1	6.18	152.3	130.8	16
250	6.26	.617	7.50	5.55	16	134.6	6.25	148.5	127.8	16
300	5.94	.575	7.02	5.30	16	128.5	6.03	140.5	121.8	16
400	5.27	.477	6.38	4.69	16	116.7	5.48	129.5	110.4	16
500	4.83	.378	5.80	4.43	16	106.9	5.03	118.2	101.6	16
600	4.45	.292	5.16	4.10	16	98.0	4.66	110.2	93.7	16
700	4.14	.264	4.58	3.88	16	89.8	3.60	98.0	85.8	16
800	3.88	.148	4.16	3.65	16	82.6	2.90	88.0	78.3	16
900	3.62	.129	3.87	3.45	16	76.3	2.44	81.0	72.3	16
1000	3.38	.125	3.64	3.19	16	70.8	2.20	74.2	67.2	16
1200	2.95	.104	3.16	2.82	14	62.0	2.14	65.0	58.2	14
1500	2.35	.068	2.46	2.27	9	52.0	1.02	55.0	52.0	9
2000	1.79	.042	1.82	1.76	2	43.0	0.42	43.3	42.7	2
SVA (THETA)										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	9.82	.711	11.16	8.53	16	311.4	8.15	321.4	289.9	16
10	9.86	.721	11.19	8.52	16	310.0	8.48	321.3	289.9	16
20	9.80	.718	11.19	8.55	16	309.2	8.72	321.1	289.9	16
30	9.79	1.100	11.17	7.17	16	307.7	10.97	321.3	282.0	16
50	9.29	.725	11.18	8.50	16	286.4	25.68	320.1	232.6	16
75	7.77	.504	8.91	7.19	16	222.6	15.25	248.4	199.5	16
100	7.48	.547	8.95	6.89	16	190.1	14.38	219.0	170.5	16
125	7.29	.486	8.46	6.79	16	166.2	8.34	181.1	154.0	16
150	7.06	.510	8.20	6.44	16	153.2	7.20	167.5	144.6	16
175	6.88	.535	8.00	6.28	16	146.9	6.49	162.5	138.7	16
200	6.68	.569	7.85	6.04	16	142.3	6.32	157.4	134.9	16
225	6.46	.603	7.66	5.74	16	138.1	6.18	152.3	130.8	16
250	6.26	.617	7.50	5.55	16	134.6	6.25	148.5	127.8	16
300	5.94	.575	7.02	5.30	16	128.5	6.03	140.5	121.8	16
400	5.27	.477	6.38	4.69	16	116.7	5.48	129.5	110.4	16
500	4.83	.378	5.80	4.43	16	106.9	5.03	118.2	101.6	16
600	4.45	.292	5.16	4.10	16	98.0	4.66	110.2	93.7	16
700	4.14	.264	4.58	3.88	16	89.8	3.60	98.0	85.8	16
800	3.88	.148	4.16	3.65	16	82.6	2.90	88.0	78.3	16
900	3.62	.129	3.87	3.45	16	76.3	2.44	81.0	72.3	16
1000	3.38	.125	3.64	3.19	16	70.8	2.20	74.2	67.2	16
1200	2.95	.104	3.16	2.82	14	62.0	2.14	65.0	58.2	14
1500	2.35	.068	2.46	2.27	9	52.0	1.02	55.0	52.0	9
2000	1.79	.042	1.82	1.76	2	43.0	0.42	43.3	42.7	2

STATION MP06 D E C E M B E R 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	16	.00	.000	.00	.00	16
10	.310	.089	.320	.290	16	.02	.003	.02	.01	16
20	.621	.0165	.640	.580	16	.06	.004	.07	.06	16
30	.929	.0250	.960	.870	16	.14	.005	.15	.13	16
50	1.533	.0508	1.610	1.450	16	.39	.016	.41	.36	16
75	2.164	.0849	2.350	2.050	16	.79	.042	.88	.72	16
100	2.683	.1148	2.900	2.530	16	1.25	.071	1.37	1.14	16
125	3.129	.1337	3.360	2.950	16	1.76	.092	1.92	1.63	16
150	3.532	.1447	3.780	3.340	16	2.32	.111	2.52	2.18	16
175	3.913	.1584	4.180	3.710	16	2.95	.132	3.19	2.78	16
200	4.282	.1685	4.560	4.060	16	3.66	.156	3.92	3.45	16
225	4.641	.1797	4.930	4.400	16	4.43	.185	4.74	4.18	16
250	4.988	.1937	5.290	4.730	16	5.28	.220	5.66	4.98	16
300	5.668	.2189	6.010	5.370	16	7.18	.300	7.74	6.79	16
400	6.938	.2721	7.380	6.580	16	11.71	.506	12.73	11.09	16
500	8.107	.3208	8.660	7.690	16	17.07	.755	18.70	16.20	16
600	9.191	.3704	9.880	8.730	16	23.14	.1.041	25.50	22.01	16
700	10.196	.4085	11.000	9.720	16	29.79	.1.320	32.90	28.49	16
800	11.130	.4408	12.010	10.620	16	36.92	.1.588	40.68	35.37	16
900	11.999	.4661	12.940	11.460	16	44.46	.1.823	48.72	42.70	16
1000	12.816	.4869	13.810	12.260	16	52.36	.2.043	57.09	50.42	16
1200	14.251	.5089	15.380	13.740	14	68.84	.2.440	74.75	66.45	14
1500	16.103	.4132	16.950	15.700	9	95.77	.2.145	99.49	94.00	9
2000	19.055	.4172	19.350	18.760	2	146.61	.3.394	149.01	144.21	2

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1486	2.7	1491	1481	16
10	n/a	n/a	n/a	n/a	0	1486	2.9	1492	1481	16
20	n/a	n/a	n/a	n/a	0	1487	2.8	1492	1482	16
30	n/a	n/a	n/a	n/a	0	1487	3.6	1492	1482	16
50	n/a	n/a	n/a	n/a	0	1485	3.9	1492	1478	16
75	n/a	n/a	n/a	n/a	0	1481	2.6	1485	1478	16
100	n/a	n/a	n/a	n/a	0	1481	2.2	1486	1478	16
125	n/a	n/a	n/a	n/a	0	1480	1.9	1485	1478	16
150	n/a	n/a	n/a	n/a	0	1480	2.0	1485	1478	16
175	n/a	n/a	n/a	n/a	0	1480	2.3	1484	1477	16
200	n/a	n/a	n/a	n/a	0	1479	2.4	1484	1476	16
225	n/a	n/a	n/a	n/a	0	1479	2.5	1484	1476	16
250	n/a	n/a	n/a	n/a	0	1479	2.4	1483	1476	16
300	n/a	n/a	n/a	n/a	0	1477	2.0	1482	1475	16
400	n/a	n/a	n/a	n/a	0	1477	1.5	1481	1476	16
500	n/a	n/a	n/a	n/a	0	1478	1.1	1480	1476	16
600	n/a	n/a	n/a	n/a	0	1478	.9	1480	1477	16
700	n/a	n/a	n/a	n/a	0	1479	.7	1480	1478	16
800	n/a	n/a	n/a	n/a	0	1479	.5	1480	1479	16
900	n/a	n/a	n/a	n/a	0	1480	.6	1481	1479	16
1000	n/a	n/a	n/a	n/a	0	1482	.6	1483	1481	14
1200	n/a	n/a	n/a	n/a	0	1484	.3	1485	1484	9
1500	n/a	n/a	n/a	n/a	0	1491	.7	1491	1490	2

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.815	4.877	13.807	12.256	16
10	12.504	4.844	13.496	11.948	16
20	12.194	4.805	13.185	11.640	16
30	11.885	4.757	12.873	11.348	16
50	11.283	4.537	12.248	10.802	16
75	10.651	4.228	11.600	10.187	16
100	10.133	4.087	11.990	9.698	16
125	9.686	3.988	10.633	9.285	16
150	9.283	3.867	10.200	8.906	16
175	8.902	3.733	9.781	8.548	16
200	8.534	3.585	9.371	8.199	16
225	8.176	3.437	8.976	7.859	16
250	7.826	3.277	8.589	7.523	16
300	7.148	2.961	7.845	6.869	16
400	5.877	2.376	6.447	5.656	16
500	4.708	1.826	5.143	4.516	16
600	3.624	1.320	3.930	3.464	16
700	2.619	0.896	2.811	2.495	16
800	1.686	0.537	1.793	1.606	16
900	.815	.0252	.865	.777	16
1000	.000	.0000	.000	.000	16
1200	-1.491	.0453	-1.417	-1.575	14
1500	-3.487	.0577	-3.424	-3.581	9
2000	-6.306	.0863	-6.245	-6.367	2

Table 18. As in Table 14, for Station 4 (P06).

Table 18 : STATION MP06 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

TEMPERATURE						SALINITY						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00	16.78	1.039	17.51	16.04	2	31.642	.3331	31.877	31.406	2		
23.20	15.43	1.147	16.88	14.20	4	31.569	.3145	31.932	31.164	4		
23.40	15.13	.883	16.12	13.58	7	31.719	.2087	31.979	31.298	7		
23.60	14.85	.775	15.94	12.99	18	31.896	.1955	32.216	31.425	18		
23.80	14.38	.619	15.22	12.45	44	32.009	.1583	32.254	31.544	44		
24.00	13.58	.582	14.59	11.93	58	32.062	.1514	32.301	31.656	58		
24.20	12.73	.917	14.37	8.71	85	32.107	.2216	32.496	31.202	85		
24.40	11.89	.867	13.78	8.72	99	32.159	.2037	32.610	31.470	99		
24.60	11.10	.747	12.73	8.72	108	32.202	.1722	32.610	31.717	108		
24.80	10.30	.627	11.73	8.56	145	32.253	.1374	32.610	31.927	145		
25.00	9.51	.542	10.65	7.64	174	32.303	.1106	32.649	32.025	174		
25.20	8.78	.478	10.27	7.60	202	32.352	.0938	32.784	32.255	202		
25.40	8.17	.567	10.36	6.86	228	32.400	.1113	32.062	32.385	228		
25.60	7.85	.649	10.13	6.53	231	32.448	.1232	32.269	32.581	231		
25.80	7.73	.601	9.74	6.26	230	33.051	.1126	32.446	32.791	230		
26.00	7.63	.536	9.32	6.35	230	33.287	.0990	32.609	32.059	230		
26.20	7.52	.436	8.81	6.50	230	33.518	.0797	32.761	33.339	230		
26.40	7.33	.329	8.11	6.51	230	33.738	.0587	33.882	33.594	230		
26.60	6.82	.219	7.66	6.19	230	33.902	.0379	34.051	33.796	230		
26.80	5.71	.213	6.54	4.97	226	33.975	.0330	34.108	33.867	226		
27.00	4.76	.165	5.33	4.30	220	34.086	.0234	34.170	34.023	220		
27.10	4.40	.129	4.69	4.06	216	34.163	.0177	34.202	34.116	216		
27.20	4.09	.108	4.33	3.78	216	34.246	.0143	34.279	34.207	216		
27.30	3.73	.103	4.02	3.45	213	34.327	.0135	34.364	34.292	213		
27.40	3.33	.091	3.59	3.03	209	34.403	.0105	34.434	34.367	209		
27.50	2.84	.097	3.16	2.46	178	34.473	.0107	34.508	34.430	178		
27.60	2.32	.089	2.69	2.14	66	34.544	.0088	34.580	34.526	66		
SIGMA -T.	DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00	8	2.1	9	6	2	487.6	.07	487.6	487.5	2		
23.20	12	6.7	17	5	4	468.5	.22	468.7	468.2	4		
23.40	17	6.6	25	5	7	449.5	.27	449.8	449.1	7		
23.60	15	9.0	30	0	18	430.4	.28	430.9	429.9	18		
23.80	18	8.2	32	1	44	411.4	.23	411.8	410.8	44		
24.00	21	8.2	36	5	58	392.3	.21	392.8	391.8	58		
24.20	23	9.0	52	1	85	373.3	.23	374.0	372.8	85		
24.40	27	9.0	54	7	99	354.2	.23	354.8	353.7	99		
24.60	30	9.5	62	6	108	335.4	.21	335.8	334.6	108		
24.80	34	11.9	67	0	145	316.3	.25	316.9	315.6	145		
25.00	41	12.1	84	14	174	297.3	.25	298.2	296.8	174		
25.20	53	18.0	136	15	202	278.5	.35	280.1	277.9	202		
25.40	67	20.4	152	22	228	259.6	.39	261.4	258.6	228		
25.60	82	18.4	161	48	231	240.8	.38	242.6	240.2	231		
25.80	95	18.7	169	61	230	222.0	.37	223.8	221.4	230		
26.00	105	19.1	185	66	230	203.2	.37	205.0	202.7	230		
26.20	121	20.5	216	75	230	184.4	.38	186.4	185.8	230		
26.40	146	22.1	248	97	230	165.8	.39	167.8	165.2	230		
26.60	200	26.4	311	144	230	147.5	.43	149.4	146.7	230		
26.80	319	32.4	445	243	226	129.6	.47	131.5	128.9	226		
27.00	490	33.3	630	406	226	111.7	.43	113.5	110.9	220		
27.10	591	32.5	714	507	216	102.9	.38	104.3	102.1	216		
27.20	709	35.6	816	621	216	94.1	.32	95.1	93.4	216		
27.30	854	35.6	944	737	213	85.3	.29	86.2	84.6	213		
27.40	1039	40.8	1155	900	209	76.4	.24	77.2	75.7	209		
27.50	1281	51.1	1470	1100	178	67.4	.19	67.8	66.9	178		
27.60	1610	70.0	1725	1320	66	58.2	.21	58.7	57.7	66		
SIGMA -T.	THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00	16.77	1.032	17.50	16.04	2	485.8	1.49	486.9	484.8	2		
23.20	15.43	1.147	16.88	14.20	4	462.7	8.19	467.0	450.4	4		
23.40	15.13	.883	16.12	13.58	7	445.3	6.57	449.1	430.8	7		
23.60	14.85	.775	15.94	12.99	18	426.8	2.96	429.9	419.6	18		
23.80	14.38	.619	15.22	12.45	44	408.8	3.54	411.0	389.4	44		
24.00	13.58	.582	14.38	11.93	58	389.4	3.23	391.9	373.3	58		
24.20	12.73	.917	14.36	8.71	85	370.4	2.80	372.8	361.9	85		
24.40	11.89	.867	13.78	8.71	99	351.3	2.85	353.8	341.6	99		
24.60	11.10	.747	12.73	8.72	108	332.2	2.64	334.7	323.0	108		
24.80	10.30	.627	11.73	8.56	145	313.8	2.14	315.7	306.3	145		
25.00	9.51	.542	10.65	7.63	174	295.3	1.60	296.6	290.3	174		
25.20	8.78	.477	10.26	7.59	202	276.7	1.08	277.6	272.2	202		
25.40	8.17	.566	10.35	6.86	228	257.9	.85	258.5	254.0	228		
25.60	7.84	.648	10.11	6.53	231	238.8	.78	239.5	234.7	231		
25.80	7.72	.600	9.72	6.25	230	220.1	.58	220.5	217.1	230		
26.00	7.62	.535	9.30	6.34	230	201.1	.40	201.5	199.7	230		
26.20	7.50	.435	8.79	6.48	230	182.2	.25	182.5	180.9	230		
26.40	7.32	.328	8.10	6.50	230	163.3	.11	163.4	162.9	230		
26.60	6.86	.219	7.65	6.17	230	144.3	.08	144.4	143.8	230		
26.80	5.58	.212	6.52	4.95	226	125.2	.16	125.4	124.6	226		
27.00	4.72	.164	5.30	4.26	220	106.2	.10	106.3	105.9	220		
27.10	4.36	.128	4.65	4.01	216	96.7	.08	96.8	96.4	216		
27.20	4.03	.108	4.28	3.72	216	87.1	.06	87.2	87.0	216		
27.30	3.67	.104	3.97	3.39	213	77.6	.04	77.7	77.5	213		
27.40	3.25	.093	3.52	2.94	209	68.0	.10	68.2	67.8	209		
27.50	2.75	.100	3.08	2.36	178	58.4	.11	58.6	58.2	178		
27.60	2.21	.093	2.60	2.02	66	48.7	.14	49.0	48.4	66		

STATION MP06 ALL DATA (JANUARY-DECEMBER) 1956 to 1990

DELTA D					POT. ENERGY					
SIGMA -T-	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	.365	.1202	.450	.280	2	.01	.007	.02	.01	2
23.20	.560	.3232	.800	.690	4	.04	.031	.07	.00	4
23.40	.820	.3082	1.140	.220	7	.08	.047	.15	.01	7
23.60	.684	.4513	1.320	.000	18	.07	.067	.20	.00	18
23.80	.763	.3683	1.420	.060	44	.08	.066	.23	.00	44
24.00	.893	.3584	1.540	.220	58	.11	.076	.28	.01	58
24.20	.938	.4045	2.020	.020	85	.13	.095	.54	.00	85
24.40	1.070	.3729	2.200	.270	99	.16	.103	.64	.01	99
24.60	1.159	.3942	2.360	.210	108	.19	.117	.74	.01	108
24.80	1.257	.4451	2.520	.000	145	.24	.145	.84	.00	145
25.00	1.443	.4350	2.690	.430	174	.32	.183	1.10	.03	174
25.20	1.757	.5780	4.060	.430	202	.51	.387	2.80	.03	202
25.40	2.090	.6476	4.490	.040	228	.74	.478	3.42	.00	228
25.60	2.456	.6003	4.720	1.400	231	1.01	.519	3.79	.35	231
25.80	2.719	.6131	4.930	1.520	230	1.25	.573	4.14	.47	230
26.00	2.975	.6228	5.230	1.630	230	1.51	.633	4.72	.54	230
26.20	3.281	.6442	5.560	1.810	230	1.87	.740	6.01	.66	230
26.40	3.719	.6626	6.280	2.190	230	2.48	.884	7.21	1.00	230
26.60	4.567	.6790	7.280	2.930	230	3.99	1.172	10.07	1.91	230
26.80	6.227	.7030	9.150	4.290	226	8.42	1.831	17.32	4.60	226
27.00	8.306	.6926	10.920	6.570	220	17.03	2.540	28.05	11.68	220
27.10	9.390	.6785	11.710	7.640	216	23.05	2.816	34.47	16.78	216
27.20	10.566	.6662	12.830	8.830	216	30.89	3.163	42.49	23.28	216
27.30	11.876	.6856	14.210	9.880	213	41.46	3.774	53.12	30.62	213
27.40	13.375	.7097	15.640	11.200	209	56.12	4.669	69.86	41.65	209
27.50	15.085	.7369	17.540	13.030	178	76.91	6.160	99.17	56.55	178
27.60	17.130	.7558	19.000	14.640	66	107.50	8.600	122.32	73.82	66

DELTA DH					ACC. POT.					
SIGMA -T-	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	13.026	.0517	13.063	12.990	2	13.384	.0651	13.430	13.338	2
23.20	12.658	.1249	12.823	12.536	4	13.200	.2936	13.409	12.765	4
23.40	12.786	.4427	13.540	12.271	7	13.573	.6382	14.533	12.759	7
23.60	12.780	.4933	13.529	11.768	17	13.427	.5354	14.487	12.630	17
23.80	12.605	.4929	14.119	11.717	42	13.330	.4992	14.616	12.591	42
24.00	12.426	.4230	13.853	11.669	54	13.265	.4523	14.585	12.549	54
24.20	12.311	.3887	13.703	11.623	78	13.176	.4285	14.546	12.360	78
24.40	12.144	.3694	13.552	10.978	92	13.107	.4036	14.499	12.336	92
24.60	12.033	.3733	13.325	10.914	101	13.041	.3839	14.443	12.306	101
24.80	11.874	.3816	13.037	10.854	135	12.961	.3640	14.372	12.260	135
25.00	11.636	.3620	12.976	10.761	162	12.878	.4080	14.699	12.173	162
25.20	11.297	.3608	12.184	10.341	186	12.796	.3952	14.507	12.079	186
25.40	10.914	.3904	13.174	9.953	210	12.663	.3685	14.234	11.669	210
25.60	10.540	.3367	11.781	9.718	213	12.521	.3413	13.938	11.608	213
25.80	10.280	.3416	11.630	9.473	213	12.355	.3196	13.626	11.498	213
26.00	10.027	.3423	11.315	9.169	213	12.169	.3001	13.296	11.378	213
26.20	9.724	.3589	10.901	8.538	213	11.958	.2818	12.945	11.247	213
26.40	9.283	.3056	10.216	8.128	213	11.712	.2623	12.693	11.015	213
26.60	8.431	.2548	9.275	7.437	213	11.403	.2355	12.305	10.735	213
26.80	6.769	.2627	7.384	5.749	213	10.943	.1931	11.697	10.382	213
27.00	4.703	.2620	5.284	3.524	213	10.223	.1381	10.732	9.803	213
27.10	3.613	.2525	4.166	2.594	213	9.742	.1096	10.110	9.402	213
27.20	2.440	.2532	3.177	1.574	214	9.167	.0804	9.403	8.910	214
27.30	1.122	.2799	1.991	.399	213	8.477	.0491	8.614	8.305	213
27.40	-0.384	.3233	0.678	-1.321	209	7.634	.0203	7.686	7.566	209
27.50	-2.135	.3970	-0.771	-3.596	178	6.581	.0488	6.711	6.366	178
27.60	-4.198	.4990	-2.160	-5.022	66	5.275	.0775	5.550	5.094	66

OXYGEN					SOUND					
SIGMA -T-	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	1509	3.5	1511	1506	2
23.20	6.13	n/a	n/a	n/a	1	1505	4.3	1510	1500	4
23.40	6.17	.163	6.29	6.06	2	1504	3.4	1508	1498	7
23.60	6.29	.156	6.39	6.11	3	1503	2.8	1507	1497	18
23.80	6.22	.165	6.41	5.97	6	1502	2.3	1505	1495	44
24.00	6.23	.148	6.47	6.02	6	1499	2.2	1503	1493	58
24.20	6.46	.324	6.95	5.96	12	1497	3.5	1503	1481	85
24.40	6.49	.322	6.93	5.78	13	1494	3.4	1501	1481	99
24.60	6.48	.388	6.91	5.62	14	1491	3.0	1498	1482	108
24.80	6.50	.355	7.01	5.81	19	1489	2.5	1494	1481	145
25.00	6.41	.354	7.18	5.77	21	1486	2.3	1490	1478	174
25.20	6.26	.403	6.95	5.36	23	1483	2.1	1491	1478	202
25.40	5.95	.517	6.81	4.99	26	1482	2.5	1491	1475	228
25.60	5.41	.525	6.30	4.43	26	1481	2.8	1491	1475	231
25.80	4.81	.485	5.48	3.90	26	1481	2.6	1490	1475	230
26.00	4.19	.413	4.98	3.45	26	1481	2.3	1489	1476	230
26.20	3.74	.384	4.60	2.97	26	1481	1.9	1488	1477	230
26.40	3.38	.460	4.41	2.43	26	1481	1.5	1486	1477	230
26.60	2.90	.494	3.81	2.30	26	1480	1.2	1484	1477	230
26.80	1.9	.278	2.43	1.49	26	1478	1.2	1482	1475	226
27.00	.88	.139	1.13	.69	26	1477	1.0	1480	1475	220
27.10	.58	.100	.82	.45	25	1477	.9	1480	1475	216
27.20	.42	.088	.62	.24	24	1478	.7	1480	1476	216
27.30	.34	.070	.48	.18	23	1479	.7	1481	1478	213
27.40	.37	.065	.50	.25	22	1480	.6	1482	1479	209
27.50	.56	.073	.71	.44	20	1482	.7	1484	1481	178
27.60	1.00	.095	1.16	.79	17	1486	.9	1488	1483	66

Table 19. As in Table 15, for Station 4 (P06).

Table 19 : STATION MP06 J A N U A R Y 1956 to 1990

SIGMA -T.		TEMPERATURE					SALINITY				
		MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.80	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
25.00	9.03	.464	.954	8.63	3	3	32.271	.0920	32.371	32.190	3
25.20	8.65	.265	.891	8.16	3	3	32.455	.0482	32.507	32.371	9
25.40	8.15	.444	.852	6.92	14	14	32.615	.0851	32.712	32.393	14
25.60	7.88	.456	.846	7.14	14	14	32.825	.0877	32.927	32.685	14
25.80	7.74	.364	.829	7.14	14	14	33.052	.0704	33.147	32.939	14
26.00	7.55	.368	.831	7.07	14	14	33.271	.0682	33.407	33.181	14
26.20	7.38	.391	.897	6.90	14	14	33.492	.0546	33.617	33.405	14
26.40	7.31	.255	.786	6.93	14	14	33.734	.0457	33.834	33.666	14
26.60	6.80	.173	.711	6.51	14	14	33.899	.0300	33.951	33.848	14
26.80	5.69	.171	5.96	5.36	14	14	33.972	.0270	34.016	33.920	14
27.00	4.78	.146	5.03	4.44	13	13	34.089	.0209	34.124	34.042	13
27.10	4.45	.097	4.64	4.33	12	12	34.169	.0136	34.195	34.152	12
27.20	4.13	.096	4.31	4.02	12	12	34.252	.0131	34.276	34.237	12
27.30	3.77	.113	3.94	3.58	12	12	34.332	.0140	34.353	34.307	12
27.40	3.35	.102	3.51	3.20	12	12	34.406	.0112	34.424	34.390	12
27.50	2.86	.107	3.51	2.63	11	11	34.474	.0115	34.490	34.449	11
27.60	2.35	.045	2.42	2.32	4	4	34.548	.0023	34.552	34.546	4
SIGMA -T.		DEPTH					SVA				
		MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.80	n/a	n/a	n/a	n/a	n/a	0	297.4	.31	297.7	297.1	3
25.00	47	14.4	.59	31	3	3	278.6	.14	278.8	278.4	9
25.20	63	8.5	.77	49	14	14	259.7	.26	260.2	259.1	14
25.40	71	14.7	.97	43	14	14	240.7	.21	241.1	240.3	14
25.60	79	14.0	104	56	14	14	221.9	.18	222.2	221.6	14
25.80	89	13.2	110	68	14	14	203.1	.17	203.3	202.8	14
26.00	101	13.4	122	81	14	14	184.4	.17	184.5	184.0	14
26.20	117	13.7	140	93	14	14	165.8	.20	166.0	165.3	14
26.40	142	14.9	167	113	14	14	147.4	.23	147.7	146.8	14
26.60	195	14.7	211	154	14	14	129.6	.29	130.0	129.1	14
26.80	319	19.7	347	292	14	14	111.8	.25	112.3	111.3	13
27.00	496	27.6	546	459	13	13	103.0	.24	103.4	102.7	12
27.10	597	28.3	660	563	12	12	94.2	.27	94.7	93.8	12
27.20	717	28.1	773	681	12	12	85.5	.24	85.8	85.1	12
27.30	866	30.6	911	810	12	12	76.6	.20	76.9	76.3	12
27.40	1053	45.2	1124	974	12	11	67.5	.18	67.8	67.2	11
27.50	1291	58.3	1399	1184	11	11	58.3	.22	58.5	58.0	4
27.60	1602	60.7	1659	1521	4	4					
SIGMA -T.		THETA					SVA (THETA)				
		MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.80	n/a	n/a	n/a	n/a	n/a	0	296.4	.17	296.5	296.2	3
25.00	9.03	.459	.53	8.63	3	3	277.1	.46	277.5	276.4	9
25.20	864	.263	.90	8.16	14	14	258.1	.80	258.5	255.7	14
25.40	8.14	.444	.51	6.92	14	14	238.8	.91	239.5	236.7	14
25.60	7.87	.454	.45	7.14	14	14	220.0	.63	220.5	218.6	14
25.80	7.73	.362	.28	7.14	14	14	201.1	.37	201.4	200.2	14
26.00	7.54	.369	.30	7.06	14	14	182.3	.17	182.4	181.9	14
26.20	7.37	.302	.06	6.88	14	14	163.3	.08	163.4	163.2	14
26.40	7.30	.252	.84	6.92	14	14	144.3	.04	144.4	144.3	14
26.60	6.79	.173	.09	6.49	14	14	125.2	.15	125.4	124.9	14
26.80	5.66	.170	.93	5.33	13	13	106.2	.08	106.3	106.0	13
27.00	4.74	.145	.99	4.41	13	13	96.7	.05	96.7	96.6	12
27.10	4.40	.097	.59	4.28	12	12	87.1	.05	87.2	87.1	12
27.20	4.08	.096	.26	3.97	12	12	77.6	.04	77.6	77.5	12
27.30	3.71	.115	.88	5.51	12	12	68.0	.08	68.1	67.9	12
27.40	3.27	.102	.43	5.12	12	12	58.5	.11	58.6	58.2	11
27.50	2.77	.111	.92	5.53	11	11	48.7	.17	48.9	48.5	4

STATION MP06 J A N U A R Y 1956 to 1990

DELTA D						POT. ENERGY						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
25.00	1.413	.4438	1.780	.920	3	.36	.203	.54	.14	3		
25.20	1.833	.2660	2.280	1.390	9	.60	.169	.91	.35	9		
25.40	2.024	.4160	2.730	1.130	14	.76	.303	1.36	.24	14		
25.60	2.222	.3926	2.880	1.480	14	.92	.313	1.52	.42	14		
25.80	2.436	.3761	3.030	1.750	14	1.10	.323	1.68	.60	14		
26.00	2.701	.3728	3.170	2.020	14	1.35	.357	1.91	.80	14		
26.20	3.020	.3693	3.470	2.290	14	1.71	.388	2.36	1.05	14		
26.40	4.459	.3876	3.950	2.750	14	2.30	.477	3.12	1.48	14		
26.60	4.280	.3501	4.700	3.450	14	3.72	.536	4.36	2.35	14		
26.80	5.996	.3109	6.500	5.540	14	8.23	.878	9.40	6.98	14		
27.00	8.137	.4030	8.770	7.510	13	17.21	1.858	20.62	14.60	13		
27.10	9.237	.3945	10.000	8.650	12	23.36	2.212	28.28	20.55	12		
27.20	10.424	.3929	11.140	9.810	12	31.37	.540	36.61	28.00	12		
27.30	11.779	.4065	12.540	10.980	12	42.39	3.022	47.12	36.90	12		
27.40	13.307	.5223	14.280	12.330	12	57.51	4.773	65.55	49.31	12		
27.50	15.061	.6449	16.280	13.850	11	78.45	7.002	91.22	66.13	11		
27.60	16.870	.6367	17.480	15.980	4	106.60	8.052	114.06	95.89	4		
SIGMA -T.	DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
25.00	11.520	.3659	11.924	11.211	12	12.919	.2378	13.187	12.734	12		
25.20	11.063	.3605	11.694	10.580	12	13.818	.2002	13.072	12.510	12		
25.40	10.827	.3626	11.393	10.355	12	12.636	.1963	12.942	12.374	12		
25.60	10.629	.3463	11.173	10.200	12	12.497	.1904	12.799	12.229	12		
25.80	10.411	.3243	10.947	9.993	12	12.343	.1860	12.641	12.063	12		
26.00	10.148	.3038	10.622	9.731	12	12.168	.1835	12.482	11.874	12		
26.20	9.835	.2768	10.248	9.512	12	11.967	.1799	12.292	11.666	12		
26.40	9.383	.2800	9.914	9.043	12	11.732	.1762	12.058	11.435	12		
26.60	8.542	.2629	9.275	8.235	12	11.432	.1729	11.744	11.143	12		
26.80	6.793	.1463	7.019	6.588	12	10.983	.1618	11.257	10.719	12		
27.00	4.661	.2434	5.050	4.288	12	10.266	.1131	10.469	10.100	12		
27.10	3.574	.2296	5.805	3.052	12	9.778	.0899	9.938	9.644	12		
27.20	2.388	.2220	5.640	1.920	12	9.202	.0667	9.297	9.101	12		
27.30	1.033	.2409	1.478	0.671	12	8.504	.0423	8.560	8.433	12		
27.40	-0.495	.3616	1.123	-1.072	12	7.647	.0162	7.674	7.624	12		
27.50	-2.224	.4605	-1.391	-3.072	11	6.577	.0625	6.647	6.441	11		
27.60	-4.142	.4566	-3.530	-4.570	4	5.301	.0588	5.383	5.246	4		
SIGMA -T.	OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.80	n/a	n/a	n/a	n/a	0	1484	2.0	1486	1482	14		
25.00	n/a	n/a	n/a	n/a	0	1483	1.1	1484	1481	14		
25.20	n/a	n/a	n/a	n/a	0	1482	1.9	1483	1476	14		
25.40	n/a	n/a	n/a	n/a	0	1481	1.9	1483	1478	14		
25.60	n/a	n/a	n/a	n/a	0	1481	1.5	1483	1479	14		
26.00	n/a	n/a	n/a	n/a	0	1480	1.1	1483	1479	14		
26.20	n/a	n/a	n/a	n/a	0	1480	0.9	1483	1480	14		
26.40	n/a	n/a	n/a	n/a	0	1478	1.09	1479	1476	14		
26.60	n/a	n/a	n/a	n/a	0	1477	1.05	1478	1475	14		
26.80	n/a	n/a	n/a	n/a	0	1477	0.65	1478	1477	12		
27.00	n/a	n/a	n/a	n/a	0	1478	0.55	1479	1477	12		
27.10	n/a	n/a	n/a	n/a	0	1479	0.55	1480	1479	12		
27.20	n/a	n/a	n/a	n/a	0	1481	0.65	1482	1480	12		
27.30	n/a	n/a	n/a	n/a	0	1483	0.8	1484	1482	11		
27.40	n/a	n/a	n/a	n/a	0	1486	0.8	1487	1485	4		

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TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	7.64	n/a	n/a	n/a	0	32.025	n/a	n/a	n/a	0	
25.20	8.30	.657	.69	7.68	15	32.387	.1239	32.535	32.269	5	
25.40	7.85	.422	.28	7.16	12	32.560	.0763	32.640	32.438	12	
25.60	7.64	.469	.25	6.76	14	32.783	.0862	32.918	32.630	14	
25.80	7.71	.430	.38	7.18	14	33.048	.0797	33.176	32.946	14	
26.00	7.71	.409	.34	7.26	14	33.300	.0743	33.415	33.215	14	
26.20	7.55	.427	.19	7.03	14	33.525	.0786	33.643	33.429	14	
26.40	7.36	.321	7.82	6.92	14	33.743	.0575	33.826	33.664	14	
26.60	6.85	.153	7.14	6.53	14	33.906	.0259	33.957	33.868	14	
26.80	5.75	.112	5.98	5.58	14	33.980	.0172	34.016	33.954	14	
27.00	4.75	.123	4.95	4.48	14	34.085	.0174	34.113	34.047	14	
27.10	4.41	.100	4.54	4.12	14	34.163	.0137	34.182	34.125	14	
27.20	4.07	.084	4.23	3.90	14	34.244	.0114	34.264	34.222	14	
27.30	3.72	.080	3.87	3.61	14	34.325	.0109	34.344	34.312	14	
27.40	3.31	.075	3.43	3.20	14	34.401	.0078	34.414	34.389	14	
27.50	2.83	.102	2.05	2.70	13	34.471	.0112	34.496	34.458	13	
27.60	2.35	.133	2.50	2.26	3	34.547	.0109	34.560	34.539	3	

DEPTH						SVA					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	56	n/a	n/a	n/a	1	297.1	n/a	n/a	n/a	0	
25.20	52	15.1	70	31	5	278.4	.30	278.8	278.1	5	
25.40	56	19.8	80	2	12	259.4	.32	259.8	258.6	12	
25.60	72	11.4	99	58	14	240.6	.23	241.2	240.3	14	
25.80	82	12.2	112	64	14	221.8	.23	222.4	221.4	14	
26.00	94	15.1	123	71	14	203.0	.26	203.7	202.7	14	
26.20	111	16.3	140	87	14	184.3	.24	184.9	184.0	14	
26.40	139	16.3	172	114	14	165.7	.27	166.4	165.3	14	
26.60	206	19.8	232	165	14	147.6	.30	148.0	147.0	14	
26.80	332	35.5	402	274	14	129.8	.51	130.8	128.9	14	
27.00	509	34.9	555	451	14	111.9	.40	112.4	111.2	14	
27.10	614	34.9	558	561	14	103.1	.31	103.5	102.6	14	
27.20	734	32.4	778	685	14	94.3	.25	94.7	93.8	14	
27.30	875	36.6	932	825	14	85.4	.22	85.9	85.0	14	
27.40	1054	36.9	1132	995	14	76.5	.23	77.1	76.2	14	
27.50	1297	54.4	1391	1187	13	67.4	.17	67.7	67.1	13	
27.60	1608	94.9	1670	1499	3	58.3	.17	58.4	58.1	3	

THETA						SVA (THETA)					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	7.63	n/a	n/a	n/a	0	295.0	n/a	n/a	n/a	0	
25.20	8.30	.655	.08	7.67	15	277.4	.16	277.5	277.2	5	
25.40	7.84	.422	.28	7.15	12	258.1	.52	258.5	256.8	12	
25.60	7.64	.470	.25	6.75	14	238.7	1.00	239.5	236.4	14	
25.80	7.71	.429	.37	6.17	14	219.9	.72	220.5	218.4	14	
26.00	7.70	.409	.34	7.25	14	201.1	.48	201.4	199.9	14	
26.20	7.54	.427	.18	7.02	14	182.2	.26	182.4	181.6	14	
26.40	7.34	.321	.81	6.90	14	163.3	.10	163.4	163.1	14	
26.60	6.83	.153	7.12	6.61	14	144.4	.04	144.4	144.3	14	
26.80	5.72	108	5.95	5.56	14	125.2	.13	125.3	124.9	14	
27.00	4.71	123	4.91	4.44	14	106.2	.12	106.3	105.9	14	
27.10	4.36	101	4.50	4.07	14	96.6	.08	96.7	96.5	14	
27.20	4.01	.084	4.17	3.84	14	87.1	.05	87.2	87.1	14	
27.30	3.65	.079	3.80	3.55	14	77.6	.05	77.7	77.5	14	
27.40	3.24	.075	3.35	3.12	14	68.0	.10	68.1	67.8	14	
27.50	2.73	.106	2.97	2.60	13	58.4	.13	58.5	58.2	13	
27.60	2.24	.142	2.40	2.15	3	48.7	.26	49.0	48.5	3	

STATION MP06 FEBRUARY 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	1.140	.4536	2.060	.870	15	.21	.236	.75	.14	5	
25.20	1.534	.5647	2.230	.840	12	.44	.246	.89	.00	12	
25.40	1.557	.3027	2.670	1.540	14	.50	.238	1.31	.48	14	
25.60	1.959	.3111	2.850	1.830	14	.74	.277	1.61	.59	14	
25.80	2.170	.3872	3.120	1.970	14	.91	.370	1.91	.69	14	
26.00	2.756	.4207	3.440	2.220	14	1.15	.449	2.36	.94	14	
26.20	3.252	.4111	4.000	2.810	14	1.49	.530	3.26	1.44	14	
26.40	4.296	.4125	4.940	5.600	14	2.98	.733	5.21	2.57	14	
26.60	6.063	.5374	6.980	5.110	14	8.90	1.797	12.54	3.95	14	
27.00	8.210	.5130	8.810	7.260	14	18.13	2.495	21.18	13.98	14	
27.10	9.351	.4958	9.970	8.450	14	24.69	2.805	28.08	20.06	14	
27.20	10.546	.4630	11.050	9.690	14	32.97	3.077	37.05	28.02	14	
27.30	11.822	.4974	12.410	10.950	14	43.53	3.845	48.39	37.81	14	
27.40	13.283	.5057	14.020	12.430	14	58.01	4.541	65.61	51.73	14	
27.50	15.028	.5696	15.760	14.180	13	79.23	6.441	90.07	67.53	13	
27.60	17.067	.7852	17.520	16.160	3	109.12	12.428	116.83	94.78	3	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	11.167	.2117	11.448	10.920	15	12.253	.3534	12.973	12.176	5	
25.20	11.152	.6789	13.174	10.561	12	12.617	.3095	13.216	12.083	12	
25.40	11.254	.2702	11.298	10.433	14	12.715	.2791	13.055	11.978	14	
25.60	10.822	.2797	11.132	10.260	14	12.579	.2688	12.859	11.862	14	
25.80	10.610	.3430	11.035	9.898	14	12.434	.2586	12.637	11.735	14	
26.00	10.025	.3676	10.787	9.535	14	12.077	.2527	12.400	11.584	14	
26.20	9.529	.3112	10.036	9.076	14	11.847	.2486	12.205	11.390	14	
26.40	8.485	.1961	8.752	8.135	14	11.544	.2374	11.897	11.145	14	
26.60	6.717	.3229	7.197	6.028	14	11.063	.1992	11.336	10.750	14	
27.00	4.570	.2872	5.060	4.200	14	10.310	.1355	10.480	10.102	14	
27.10	3.431	.2670	3.875	3.071	14	9.814	.1023	9.943	9.662	14	
27.20	2.234	.2545	2.622	1.878	14	9.217	.0728	9.513	9.104	14	
27.30	0.959	.2933	1.353	0.499	14	8.501	.0422	8.560	8.428	14	
27.40	-0.500	.3202	-0.033	-1.134	14	7.637	.0153	7.683	7.617	14	
27.50	-2.263	.4262	-1.436	-3.022	13	6.566	.0493	6.643	6.475	13	
27.60	-4.211	.6941	-3.411	-4.653	3	5.269	.1132	5.400	5.204	3	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	n/a	n/a	n/a	n/a	0	14.78	.1482	14.85	14.79	5	
25.20	6.38	.495	6.73	6.93	2	14.80	2.8	14.82	14.77	12	
25.40	5.55	.608	5.98	5.12	2	14.80	2.0	14.83	14.76	14	
25.60	4.82	.686	5.30	4.33	2	14.81	1.8	14.84	14.79	14	
25.80	4.10	.700	4.60	3.61	2	14.81	1.6	14.84	14.79	14	
26.00	3.47	.707	3.97	2.97	2	14.81	1.4	14.83	14.79	14	
26.20	3.00	.445	3.31	2.68	2	14.81	0.8	14.82	14.79	14	
26.40	2.50	.064	2.54	2.45	2	14.78	.99	14.80	14.77	14	
26.60	1.79	.064	1.83	1.74	2	14.77	.99	14.78	14.76	14	
27.00	.80	.099	.87	.73	2	14.78	.95	14.78	14.77	14	
27.10	.59	.007	.60	.59	2	14.78	.95	14.79	14.77	14	
27.20	.39	.057	.43	.35	2	14.78	.95	14.80	14.78	14	
27.30	.071	.028	.38	.28	2	14.79	.6	14.82	14.80	14	
27.40	.34	.028	.36	.22	2	14.81	.7	14.84	14.82	14	
27.50	.51	.007	.52	.51	2	14.83	1.0	14.87	14.85	3	
27.60	.98	.000	.98	.98	2	14.86	1.0	14.87	14.85	3	

STATION MP06 MARCH 1956 to 1990

TEMPERATURE					SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	31.202	n/a	n/a	n/a	0
24.20	8.71	n/a	n/a	n/a	1	31.470	n/a	n/a	n/a	1
24.40	8.72	n/a	n/a	n/a	1	31.717	n/a	n/a	n/a	1
24.60	8.75	n/a	n/a	n/a	1	31.960	n/a	n/a	n/a	1
24.80	8.75	n/a	n/a	n/a	1	32.394	.1137	32.473	32.227	4
25.00	9.64	.560	10.02	8.81	4	32.580	.1553	32.784	32.400	8
25.20	9.73	.762	10.27	8.40	8	32.731	.1729	33.062	32.385	17
25.40	9.73	.877	10.36	6.86	17	32.967	.1619	33.269	32.628	17
25.60	9.62	.827	10.13	6.80	17	33.198	.1438	33.446	32.902	17
25.80	9.50	.751	9.74	6.84	17	33.413	.1255	33.609	33.148	17
26.00	9.41	.654	9.32	6.88	17	33.618	.0929	33.761	33.449	17
26.20	9.06	.500	8.81	7.14	17	33.813	.0512	33.878	33.706	17
26.40	7.75	.278	8.10	7.16	17	33.949	.0407	34.051	33.863	17
26.60	7.09	.229	7.66	6.60	17	34.008	.0373	34.108	33.940	17
26.80	5.92	.233	6.54	5.49	17	34.105	.0229	34.170	34.068	17
27.00	4.89	.159	5.33	4.61	17	34.172	.0111	34.194	34.154	17
27.10	4.47	.083	4.63	4.34	17	34.254	.0084	34.270	34.241	17
27.20	4.14	.071	4.27	4.05	17	34.330	.0183	34.360	34.292	16
27.30	3.76	.142	3.99	3.46	16	34.406	.0131	34.434	34.393	16
27.40	3.34	.119	3.59	3.23	16	34.477	.0141	34.506	34.463	12
27.50	2.89	.123	3.15	2.77	12	34.545	n/a	n/a	n/a	1
27.60	2.31	n/a	n/a	n/a	1					

DEPTH					SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	372.9	n/a	n/a	n/a	1
24.00	n/a	n/a	n/a	n/a	0	373.8	n/a	n/a	n/a	1
24.20	16	n/a	n/a	n/a	11	34.9	n/a	n/a	n/a	1
24.40	17	n/a	n/a	n/a	11	34.9	n/a	n/a	n/a	1
24.60	19	n/a	n/a	n/a	11	316.0	n/a	n/a	n/a	1
24.80	21	n/a	n/a	n/a	11	316.0	n/a	n/a	n/a	1
25.00	60	26	84	25	4	297.8	.50	298.2	297.1	4
25.20	95	.88	136	45	8	279.3	.79	280.1	278.3	8
25.40	79	.43	152	8	17	260.0	.89	261.4	258.7	17
25.60	94	.37	161	54	17	241.2	.81	242.6	240.5	17
25.80	102	.38	169	61	17	222.3	.83	223.8	221.6	17
26.00	115	.40	185	66	17	203.5	.84	205.0	202.7	17
26.20	133	.45	216	75	17	184.8	.87	186.4	183.8	17
26.40	162	.47	248	97	17	166.3	.83	167.8	165.2	17
26.60	224	.49	311	144	17	148.0	.77	149.4	147.0	17
26.80	506	.52	445	243	17	130.0	.70	131.5	129.0	17
27.00	603	.47	588	431	17	112.1	.46	113.0	111.3	17
27.10	717	.41	660	529	17	103.1	.38	103.7	102.4	17
27.20	38.00	.38	775	645	17	94.2	.27	94.6	93.7	17
27.30	862	.42	910	766	16	85.4	.19	85.7	85.1	16
27.40	1041	.48	1092	928	16	76.5	.15	76.8	76.2	16
27.50	1266	.51	1331	1181	12	67.4	.14	67.6	67.2	12
27.60	1658	n/a	n/a	n/a	1	58.4	n/a	n/a	n/a	1

THETA					SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	371.1	n/a	n/a	n/a	1
24.00	8.71	n/a	n/a	n/a	1	351.3	n/a	n/a	n/a	1
24.20	8.72	n/a	n/a	n/a	1	333.1	n/a	n/a	n/a	1
24.40	8.74	n/a	n/a	n/a	1	315.3	n/a	n/a	n/a	1
24.60	8.63	.555	10.01	8.81	4	296.4	.16	296.6	296.2	4
24.80	8.28	.797	10.35	8.89	17	277.4	.08	277.5	277.3	8
25.00	8.72	.874	10.35	6.86	17	258.1	.55	258.5	256.5	17
25.20	8.61	.821	10.11	6.80	17	238.8	.71	239.5	237.2	17
25.40	8.49	.746	9.72	6.84	17	219.9	.59	220.4	218.8	17
25.60	8.30	.652	9.30	6.87	17	201.2	.28	201.4	200.5	17
26.00	8.05	.496	8.79	7.13	17	182.3	.18	182.5	181.8	17
26.20	7.73	.279	8.08	7.14	17	163.3	.09	163.4	163.2	17
26.40	7.07	.230	7.65	6.58	17	144.3	.17	144.4	143.8	17
26.60	5.68	.233	6.52	5.46	17	125.3	.24	125.3	124.6	17
27.00	4.85	.161	5.30	4.56	17	106.1	.11	106.4	105.9	17
27.10	4.42	.085	4.59	4.29	17	96.6	.09	96.7	96.4	17
27.20	4.09	.073	4.22	3.99	17	87.1	.07	87.2	87.0	17
27.30	3.70	.146	3.94	3.39	16	77.6	.00	77.6	77.6	16
27.40	3.27	.123	3.52	3.15	16	68.0	.13	68.1	67.8	16
27.50	2.80	.127	3.06	2.67	12	58.5	.10	58.5	58.2	12
27.60	2.19	n/a	n/a	n/a	1	48.5	n/a	n/a	n/a	1

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	.630	n/a	n/a	n/a	1	.05	n/a	n/a	n/a	1	
24.40	.680	n/a	n/a	n/a	1	.06	n/a	n/a	n/a	1	
24.60	.730	n/a	n/a	n/a	1	.07	n/a	n/a	n/a	1	
24.80	.790	n/a	n/a	n/a	1	.08	n/a	n/a	n/a	1	
25.00	1.872	1.7448	2.550	.910	4	.66	.451	1.10	.11	4	
25.20	2.811	1.1431	4.060	1.270	8	1.55	1.091	2.80	.29	8	
25.40	2.259	1.3097	4.490	2.200	17	1.17	1.165	3.42	.01	17	
25.60	2.639	1.1453	4.720	1.400	17	1.45	1.232	3.79	.39	17	
25.80	2.842	1.1718	4.930	1.520	17	1.66	1.348	4.14	.47	17	
26.00	3.073	1.2128	5.230	1.630	17	1.93	1.501	4.72	.54	17	
26.20	3.453	1.3020	5.860	1.810	17	2.45	1.809	6.01	.66	17	
26.40	3.976	1.3406	6.280	2.190	17	2.26	2.126	7.21	1.00	17	
26.60	4.948	1.3478	7.280	2.930	17	2.20	2.588	10.07	1.91	17	
26.80	6.616	1.3358	9.150	4.290	17	10.68	3.431	17.32	4.60	17	
27.00	8.591	1.2805	10.920	6.570	17	18.65	4.153	26.67	12.46	17	
27.10	9.642	1.2160	11.710	7.640	17	24.59	4.234	31.73	17.71	17	
27.20	10.778	1.1767	12.830	8.830	17	32.50	4.397	39.63	24.90	17	
27.30	11.998	1.1359	13.990	9.880	16	42.75	4.954	49.69	32.55	16	
27.40	13.460	1.1561	15.490	11.200	16	57.08	5.940	64.96	44.05	16	
27.50	14.975	1.1567	16.690	13.030	12	76.04	7.051	83.99	63.84	12	
27.60	17.660	n/a	n/a	n/a	1	115.82	n/a	n/a	n/a	1	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	12.514	n/a	n/a	n/a	1	13.114	n/a	n/a	n/a	1	
24.20	12.463	n/a	n/a	n/a	1	13.082	n/a	n/a	n/a	1	
24.40	12.414	n/a	n/a	n/a	1	13.047	n/a	n/a	n/a	1	
24.60	12.352	n/a	n/a	n/a	1	13.010	n/a	n/a	n/a	1	
25.00	11.931	4.980	12.377	11.262	4	13.733	.9377	14.699	12.892	4	
25.20	11.064	5.036	11.709	10.341	7	13.589	.7564	14.507	12.766	7	
25.40	10.910	4.914	11.795	9.953	16	12.873	.7127	14.234	11.669	16	
25.60	10.525	4.076	11.275	9.718	16	12.713	.6478	13.938	11.608	16	
25.80	10.329	4.111	11.119	9.502	16	12.534	.5888	13.626	11.498	16	
26.00	10.109	4.314	10.918	9.169	16	12.339	.5296	13.296	11.378	16	
26.20	9.735	5.011	10.633	8.538	16	12.118	.4701	12.945	11.247	16	
26.40	9.223	4.735	9.761	8.128	16	11.855	.4063	12.541	11.092	16	
26.80	8.253	4.048	8.741	7.437	16	11.517	.3379	12.048	10.878	16	
27.00	4.608	3.589	5.168	4.043	16	11.020	.2539	11.393	10.543	16	
27.10	3.543	3.215	4.097	3.083	16	10.268	.1621	10.507	9.952	16	
27.20	2.394	2.902	2.954	1.910	16	9.771	.1271	9.953	9.507	16	
27.30	1.057	3.299	1.793	.668	16	9.191	.0906	9.307	8.989	16	
27.40	-0.405	3.822	1.471	-0.808	16	8.490	.0458	8.539	8.372	16	
27.50	-2.030	4.069	-1.356	-2.542	12	7.637	.0128	7.665	7.613	16	
27.60	-4.613	n/a	n/a	n/a	1	5.587	.0633	6.711	6.530	12	
						5.182	n/a	n/a	n/a		

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	1	
24.20	n/a	n/a	n/a	n/a	0	1481	n/a	n/a	n/a	1	
24.40	n/a	n/a	n/a	n/a	0	1482	n/a	n/a	n/a	1	
24.60	n/a	n/a	n/a	n/a	0	1482	n/a	n/a	n/a	1	
25.00	5.74	n/a	n/a	n/a	1	1487	2.4	1488	1483	4	
25.20	5.49	.622	5.93	5.05	12	1486	3.5	1491	1482	8	
25.40	4.84	.580	5.25	4.43	12	1484	4.2	1491	1475	17	
25.60	4.27	.523	4.64	3.96	12	1484	3.0	1490	1477	17	
25.80	3.77	.453	4.09	3.45	12	1484	3.2	1489	1478	17	
26.00	3.26	.247	3.44	2.88	12	1483	1.7	1488	1479	17	
26.20	2.92	.049	2.95	2.54	12	1483	1.4	1486	1480	17	
26.40	2.57	.049	2.61	2.14	12	1482	1.2	1482	1477	17	
26.80	1.67	.255	1.85	1.49	12	1479	.88	1479	1476	17	
27.00	.88	.042	.91	.85	12	1478	.68	1479	1476	17	
27.10	.56	.035	.59	.54	12	1478	.68	1479	1476	17	
27.20	.37	.042	.40	.34	12	1478	.46	1479	1477	17	
27.30	.38	n/a	n/a	n/a	1	1479	.4	1480	1479	16	
27.40	.42	n/a	n/a	n/a	1	1481	.5	1483	1480	12	
27.50	.65	n/a	n/a	n/a	1	1482	.5	1483	1482	12	
27.60	1.05	n/a	n/a	n/a	1	1487	n/a	n/a	n/a	1	

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	9.14	n/a	n/a	n/a	1	31.779	n/a	n/a	n/a	0	
24.80	.04	.101	9.15	8.95	3	32.023	.0175	32.043	32.009	4	
25.00	.05	.603	9.68	8.52	4	32.282	.1175	32.448	32.172	8	
25.20	.53	.574	9.61	6.60	8	32.434	.1091	32.658	32.264	12	
25.40	7.89	.736	9.61	6.98	12	32.572	.1431	32.914	32.400	13	
25.60	7.71	.830	9.52	6.53	12	32.796	.1535	32.139	32.581	13	
25.80	7.72	.659	9.04	6.74	12	33.051	.1239	33.304	32.873	13	
26.00	7.71	.504	8.62	6.93	12	33.300	.0929	33.468	33.157	13	
26.20	7.66	.367	8.63	7.06	12	33.546	.0685	33.726	33.436	13	
26.40	7.44	.277	8.10	6.12	12	33.757	.0501	33.877	33.698	13	
26.60	6.84	.168	7.10	6.65	12	33.905	.0288	33.950	33.873	13	
26.80	5.64	.244	5.95	5.31	12	34.965	.0378	34.015	33.914	12	
27.00	4.82	.095	5.01	4.72	12	34.095	.0140	34.122	34.080	12	
27.10	4.47	.072	4.57	4.36	12	34.171	.0101	34.186	34.156	12	
27.20	4.10	.117	4.22	3.83	12	34.248	.0156	34.264	34.213	12	
27.30	3.74	.121	3.67	3.51	12	34.328	.0153	34.343	34.299	12	
27.40	3.34	.165	3.51	2.15	12	34.405	.0118	34.424	34.383	12	
27.50	2.87	.093	3.02	2.72	12	34.476	.0098	34.492	34.461	12	
27.60	2.32	.052	2.41	2.27	5	34.545	.0074	34.553	34.540	5	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	334.9	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	316.0	.05	316.0	315.9	4	
24.20	n/a	n/a	n/a	n/a	0	297.1	.14	297.3	297.0	8	
24.40	n/a	n/a	n/a	n/a	0	278.3	.31	279.0	278.1	12	
24.60	16	4.5	22	13	4	259.6	.44	260.2	258.9	13	
24.80	18	4.5	22	18	4	240.9	.34	241.4	240.4	13	
25.00	28	10.7	43	28	8	222.0	.36	222.6	221.6	13	
25.20	43	16.2	73	26	12	203.2	.34	203.8	202.8	13	
25.40	65	24.7	95	71	12	184.5	.32	185.1	184.1	13	
25.60	87	14.5	109	62	12	165.9	.32	166.6	165.5	13	
25.80	98	18.0	128	85	12	147.5	.31	148.3	147.1	12	
26.00	108	17.4	135	96	12	129.5	.31	130.2	129.0	12	
26.20	122	17.3	144	126	12	111.8	.33	112.5	111.2	12	
26.40	146	16.8	178	126	12	102.9	.23	103.4	102.5	12	
26.60	199	18.0	245	175	12	94.0	.17	94.4	93.8	12	
26.80	317	18.5	357	295	12	85.1	.15	85.4	84.9	12	
27.00	485	23.5	531	440	12	76.3	.25	76.8	75.9	12	
27.10	581	23.4	640	545	12	67.3	.22	67.6	66.9	12	
27.20	698	26.0	755	663	12	58.2	.22	58.4	57.9	5	
27.30	834	31.2	891	791	12						
27.40	1016	36.9	1090	964	12						
27.50	1254	40.0	1333	1185	12						
27.60	1596	31.5	1630	1552	12						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
THETA	SVA (THETA)					SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	334.5	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	315.0	.31	315.3	314.7	4	
24.20	n/a	n/a	n/a	n/a	0	296.0	.74	296.6	294.9	8	
24.40	n/a	n/a	n/a	n/a	0	277.1	.89	277.6	275.0	12	
24.60	9.14	n/a	n/a	n/a	1	258.0	.73	258.5	256.2	13	
24.80	.04	.101	9.15	8.95	1	238.9	.67	239.4	237.0	13	
25.00	.04	.602	9.90	8.51	4	219.9	.56	220.4	218.9	13	
25.20	.53	.573	6.67	6.59	8	201.1	.49	201.4	199.7	13	
25.40	7.89	.736	6.61	6.53	12	182.1	.42	182.4	180.9	13	
25.60	7.70	.828	5.51	6.33	12	163.3	.11	163.4	163.1	13	
25.80	7.71	.656	6.02	6.92	12	144.3	.06	144.4	144.2	12	
26.00	7.70	.502	6.61	6.92	12	125.1	.16	125.3	124.9	12	
26.20	7.65	.367	6.62	7.05	12	106.2	.07	106.5	106.1	12	
26.40	7.42	.277	6.08	7.10	12	96.7	.04	96.7	96.6	12	
26.60	6.82	.166	7.08	6.64	12	87.2	.04	87.2	87.1	12	
26.80	5.61	.244	5.92	5.28	12	77.6	.06	77.7	77.5	12	
27.00	4.78	.093	4.96	4.68	12	68.0	.09	68.1	67.9	12	
27.10	4.42	.070	4.53	4.32	12	58.4	.10	58.6	58.3	12	
27.20	4.05	.117	4.77	4.78	12	48.7	.08	48.8	48.6	5	
27.30	3.68	.123	3.81	4.44	12						
27.40	3.27	.108	2.93	2.63	12						
27.50	2.78	.093	2.44	2.16	12						
27.60	2.22	.051	2.30	2.16	5						

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DELTA D						POT. ENERGY						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.60	.350	n/a	n/a	n/a	0	.02	n/a	n/a	n/a	1		
24.80	.590	.1609	.740	.420	3	.06	.025	.050	.050	44		
25.00	.885	.3369	1.340	.530	4	.14	.104	.290	.050	00		
25.20	1.260	.4866	2.150	.780	0	.31	.243	.80	.11	00		
25.40	1.826	.7351	2.760	.670	1	.68	.415	1.29	.09	12		
25.60	2.365	.4519	0.80	1.660	1	1.05	.356	1.62	.53	13		
25.80	2.639	.5255	3.350	1.870	1	1.33	.482	2.10	.67	13		
26.00	2.848	.5186	5.590	2.160	1	1.55	.510	2.30	.90	13		
26.20	3.114	.5249	9.960	2.360	1	1.86	.553	2.62	1.10	13		
26.40	3.535	.5128	4.360	2.920	1	2.44	.612	3.54	1.75	13		
26.60	4.358	.5020	5.410	3.750	1	3.89	.789	5.80	2.97	13		
26.80	5.995	.5410	6.990	5.350	1	8.22	1.146	10.67	6.94	12		
27.00	8.028	.5589	9.100	7.180	1	16.58	1.745	20.30	13.57	12		
27.10	9.067	.5610	10.290	8.290	1	22.27	2.017	27.41	19.37	12		
27.20	10.231	.5931	11.430	9.450	1	29.91	2.499	35.60	26.63	12		
27.30	11.457	.6134	12.670	10.610	12	39.58	3.100	46.08	35.28	12		
27.40	12.947	.6447	14.300	12.190	12	73.75	4.054	62.63	49.18	12		
27.50	14.666	.6592	16.070	13.820	12	73.81	5.012	84.75	66.79	12		
27.60	16.858	.4169	17.450	16.380	5	105.22	4.306	109.75	99.23	5		
SIGMA -T.	DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.60	12.798	n/a	n/a	n/a	1	13.141	n/a	n/a	n/a	1		
24.80	12.480	.1046	12.544	12.359	3	13.049	.2416	13.252	12.782	3		
25.00	12.296	.6334	12.976	11.445	4	13.128	.3176	13.501	12.735	4		
25.20	11.744	.4500	12.184	11.010	7	12.968	.2640	13.389	12.632	7		
25.40	10.946	.4344	11.655	10.488	11	12.630	.3267	13.243	12.227	11		
25.60	10.389	.2325	10.793	10.010	12	12.478	.2859	13.077	12.139	12		
25.80	10.162	.2468	10.529	9.690	12	12.304	.2639	12.885	11.983	12		
26.00	9.948	.2329	10.240	9.486	12	12.113	.2420	12.672	11.807	12		
26.20	9.670	.1927	9.985	9.293	12	11.902	.2180	12.427	11.616	12		
26.40	9.223	.1591	9.449	8.906	12	11.656	.1916	12.135	11.406	12		
26.60	8.391	.1902	8.582	8.068	12	11.345	.1640	11.758	11.127	12		
26.80	8.748	.1582	5.993	6.515	12	10.888	.1312	11.206	10.709	12		
27.00	4.715	.2014	1.155	4.400	12	10.180	.1035	10.425	10.032	12		
27.10	3.676	.1810	3.949	3.219	12	9.701	.0832	9.894	9.588	12		
27.20	2.512	.2063	2.780	2.075	12	9.131	.0575	9.259	9.041	12		
27.30	1.285	.2451	1.623	0.835	13	8.448	.0326	8.518	8.382	12		
27.40	-0.204	.2908	-0.205	-0.790	12	7.627	.0231	7.663	7.586	12		
27.50	-1.922	.3165	-1.388	-2.566	12	6.602	.0445	6.666	6.536	12		
27.60	-4.065	.2562	-3.695	-4.312	5	5.324	.0622	5.384	5.235	5		
SIGMA -T.	OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.40	6.78	n/a	n/a	n/a	0	148.3	n/a	n/a	n/a	0		
24.60	6.45	n/a	n/a	n/a	0	148.3	n/a	n/a	n/a	0		
24.80	6.36	n/a	n/a	n/a	0	148.4	2.6	148.4	148.3	4		
25.00	6.59	.382	6.86	6.32	2	148.4	2.2	148.7	148.2	8		
25.20	6.26	.530	6.64	5.89	2	148.2	2.5	148.7	147.8	12		
25.40	5.55	.424	5.85	5.25	2	148.0	2.4	148.8	147.6	12		
25.60	4.81	.424	4.11	4.51	2	148.0	2.6	148.8	147.5	13		
25.80	4.14	.460	4.47	4.82	2	148.1	2.2	148.6	147.7	13		
26.00	3.79	.113	0.87	0.71	2	148.2	1.1	148.6	147.9	13		
26.20	3.74	.148	0.84	0.63	2	148.2	1.1	148.5	148.0	13		
26.40	3.49	.057	0.53	0.45	2	148.0	1.0	148.2	147.9	13		
26.60	2.03	.141	2.13	1.93	2	147.8	1.1	147.9	147.6	12		
27.00	0.57	.057	0.80	0.72	2	147.7	0.8	147.9	147.6	12		
27.10	.48	.049	.52	.45	2	147.7	0.5	147.8	147.7	12		
27.20	.38	.035	.40	.35	2	147.8	0.5	147.8	147.7	12		
27.30	.34	.085	.40	.28	2	147.9	0.4	147.9	147.8	12		
27.40	.38	.170	.50	.26	2	148.0	0.4	148.1	147.9	12		
27.50	.53	.134	0.63	0.44	2	148.2	0.5	148.3	148.1	12		
27.60	.97	.148	1.07	.86	2	148.6	0.4	148.6	148.5	5		

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	10.63	.478	11.07	9.89	5	31.597	.1117	31.701	31.431	5	
24.40	10.35	.521	11.58	9.74	100	31.798	.1147	32.047	31.656	100	
24.60	10.17	.503	11.17	9.48	14	32.009	.1068	32.214	31.852	14	
24.80	9.81	.556	10.82	8.56	29	32.188	.1183	32.397	31.927	29	
25.00	8.54	.434	9.50	7.61	46	32.318	.0980	32.517	32.104	39	
25.20	8.93	.491	9.03	7.30	46	32.438	.0822	32.621	32.255	46	
25.40	7.79	.578	9.03	6.62	46	32.595	.0936	32.815	32.460	46	
25.60	7.73	.520	8.95	6.26	46	32.809	.1064	33.037	32.596	46	
25.80	7.63	.500	8.57	6.35	46	33.053	.0948	33.278	32.791	46	
26.00	7.55	.377	8.24	6.60	46	33.288	.0906	33.458	33.059	46	
26.20	7.40	.242	7.87	6.76	46	33.525	.0679	33.651	33.356	46	
26.40	6.85	.158	7.21	6.52	46	33.751	.0429	33.834	33.638	46	
26.60	5.71	.181	6.07	5.23	45	33.906	.0273	33.968	33.850	46	
27.00	4.76	.167	5.02	4.34	43	34.975	.0278	34.030	34.903	45	
27.10	4.41	.142	4.63	4.06	42	34.086	.0236	34.125	34.028	43	
27.20	4.09	.113	4.28	3.85	43	34.164	.0194	34.194	34.116	42	
27.30	3.74	.100	3.94	4.45	42	34.246	.0151	34.272	34.215	43	
27.40	3.34	.085	3.53	3.11	40	34.328	.0132	34.353	34.292	42	
27.50	2.85	.075	3.02	2.66	32	34.404	.0105	34.428	34.377	40	
27.60	2.33	.095	2.55	2.14	15	34.474	.0087	34.492	34.454	32	
						34.545	.0094	34.565	34.526	15	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	373.0	.06	373.0	372.9	5	
24.20	15.7	.54	12	1	55	374.0	.11	354.2	353.9	10	
24.40	26	6.4	21	7	14	375.1	.14	335.3	334.9	14	
24.60	25	11.4	55	2	29	316.1	.20	316.8	315.7	29	
24.80	33	11.3	64	14	46	297.2	.19	297.8	296.9	39	
25.00	45	15.3	88	15	46	278.3	.26	279.1	277.9	46	
25.20	66	15.7	99	41	46	259.6	.28	260.2	259.1	46	
25.40	89	13.6	108	54	46	240.8	.25	241.3	240.3	46	
25.60	91	13.0	117	64	46	221.9	.23	222.4	221.5	46	
25.80	102	12.9	129	74	46	203.1	.20	203.6	202.7	46	
26.00	117	13.0	143	94	46	184.4	.20	184.8	184.1	46	
26.20	143	13.6	167	118	46	165.8	.22	166.4	165.4	46	
26.40	199	23.8	274	172	46	147.5	.30	148.8	147.1	46	
26.60	315	23.2	405	276	45	129.0	.32	130.7	128.9	45	
27.00	483	21.8	547	445	45	111.7	.32	112.4	111.0	43	
27.10	583	22.9	630	540	42	102.8	.29	103.3	102.2	42	
27.20	706	22.7	766	665	43	94.0	.25	94.5	93.5	43	
27.30	842	23.9	891	786	42	85.2	.27	85.7	84.6	42	
27.40	1026	30.7	1098	968	40	76.4	.25	76.7	75.7	40	
27.50	1280	32.9	1365	1206	32	67.4	.18	67.7	67.1	32	
27.60	1609	65.2	1725	1483	15	58.2	.21	58.7	57.9	15	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	371.2	1.17	372.6	369.4	5	
24.20	10.63	.478	11.07	9.89	5	372.6	1.08	353.8	348.1	5	
24.40	10.35	.518	11.57	9.74	100	373.4	1.15	334.7	330.7	14	
24.60	10.17	.502	11.17	9.48	14	314.5	1.14	315.6	311.3	29	
24.80	9.81	.556	10.82	8.56	29	295.6	1.24	296.6	292.0	39	
25.00	9.20	.496	10.23	8.17	46	276.9	.89	277.6	274.2	46	
25.20	8.53	.435	9.50	7.60	46	258.6	.71	258.5	255.9	46	
25.40	8.02	.489	9.03	7.29	46	238.9	.57	239.5	237.4	46	
25.60	7.79	.577	9.02	6.62	46	219.8	.60	220.4	218.3	46	
25.80	7.72	.520	8.94	6.25	46	201.6	.43	201.5	200.1	46	
26.00	7.62	.499	8.56	6.34	46	182.2	.24	182.4	181.4	46	
26.20	7.54	.376	8.23	6.59	46	163.4	.11	163.4	163.1	46	
26.40	7.39	.242	7.85	6.75	46	144.4	.06	144.4	144.1	46	
26.60	6.83	.158	7.19	6.50	46	125.2	.15	125.3	124.7	45	
26.80	5.68	.181	6.04	5.20	46	106.2	.08	106.3	106.0	43	
27.00	4.72	.166	4.98	4.30	46	96.7	.07	96.7	96.5	42	
27.10	4.36	.142	4.58	4.01	42	87.2	.05	87.2	87.0	42	
27.20	4.03	.14	4.23	3.79	42	77.6	.05	77.7	77.0	42	
27.30	3.68	.098	3.87	3.39	42	68.0	.09	68.1	67.8	40	
27.40	3.26	.086	3.46	3.04	40	58.4	.09	58.5	58.2	32	
27.50	2.76	.076	2.93	2.57	32	48.7	.14	49.0	48.5	15	
27.60	2.22	.098	2.45	2.02	15						

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	.280	.2155	.450	.020	55	.01	.013	.03	.00	55	
24.40	.541	.1620	.780	.270	10	.04	.024	.08	.01	10	
24.60	.711	.2194	1.050	.330	14	.08	.046	.17	.02	14	
24.80	.842	.5831	.810	.060	29	.13	.105	.51	.00	29	
25.00	1.084	.3763	2.970	.430	39	.20	.140	.67	.03	39	
25.20	1.417	.4864	2.760	.430	46	.36	.234	1.21	.03	46	
25.40	1.965	.4650	3.030	1.230	46	.67	.313	1.46	.25	46	
25.60	2.334	.3951	3.260	1.540	46	.94	.318	1.70	.41	46	
25.80	2.586	.3801	3.480	1.770	46	1.16	.338	1.95	.55	46	
26.00	2.825	.3740	3.730	1.980	46	1.39	.366	2.27	.70	46	
26.20	3.119	.3726	3.950	2.400	46	1.72	.396	2.57	1.07	46	
26.40	3.573	.3792	4.360	2.870	46	2.35	.457	6.61	2.84	46	
26.60	4.445	.4236	5.630	3.680	46	3.87	.727	12.86	6.14	45	
26.80	6.050	.4764	7.430	5.180	45	8.11	1.239	21.33	13.61	43	
27.00	8.094	.4295	9.200	7.360	43	22.34	1.831	26.81	19.58	42	
27.10	9.172	.4208	10.260	8.580	42	30.01	2.089	36.46	26.59	43	
27.20	10.336	.4162	11.450	9.650	43	40.19	2.451	46.32	34.63	42	
27.30	11.620	.4291	12.650	10.720	42	54.53	3.312	61.89	48.10	40	
27.40	13.099	.4428	14.110	12.200	40	76.21	3.786	86.23	67.97	32	
27.50	14.877	.3918	15.770	13.930	32	106.85	7.779	121.92	92.33	15	
27.60	16.968	.6103	18.230	15.690	15						

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	12.634	.4816	13.090	11.955	44	12.863	.4762	13.509	12.360	44	
24.20	12.362	.3065	12.973	11.829	36	12.882	.3007	13.485	12.336	36	
24.40	12.215	.3522	12.861	11.711	13	12.890	.2909	14.454	12.306	13	
24.60	12.039	.3027	12.677	11.574	27	12.819	.2990	15.567	12.269	27	
24.80	11.776	.2667	12.285	11.266	36	12.766	.2637	13.452	12.222	36	
25.00	11.426	.3750	12.106	10.420	42	12.693	.2530	13.312	12.163	42	
25.20	10.869	.3165	11.502	10.250	42	12.588	.2338	13.135	12.080	42	
25.40	10.495	.2753	11.273	9.918	42	12.448	.2150	12.942	11.971	42	
25.60	10.242	.2720	11.100	9.680	42	12.285	.2008	12.755	11.839	42	
25.80	10.008	.2780	10.888	9.476	42	12.102	.1904	12.605	11.682	42	
26.00	9.723	.2687	10.694	9.220	42	11.897	.1831	12.437	11.504	42	
26.20	9.275	.2190	9.821	8.911	42	11.657	.1766	12.231	11.290	42	
26.40	8.403	.1997	8.838	7.763	42	11.351	.1596	11.866	11.021	42	
26.60	6.786	.2132	7.187	5.962	42	10.896	.1326	11.290	10.627	42	
26.80	4.752	.1734	5.052	4.224	42	10.185	.0973	10.420	9.993	42	
27.00	3.668	.1842	4.046	3.285	42	9.711	.0769	9.880	9.547	42	
27.10	2.502	.1769	2.764	1.972	43	9.142	.0570	9.273	9.001	43	
27.20	1.219	.1864	1.647	1.815	43	8.461	.0398	8.520	8.358	42	
27.30	-0.281	.2418	1.173	-0.851	40	7.632	.0219	7.669	7.566	40	
27.40	-2.117	.2549	-1.558	-2.788	32	6.593	.0391	6.679	6.501	32	
27.50	-4.178	.4456	-3.321	-4.996	15	5.292	.0722	5.414	5.126	15	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MJN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	6.94	.007	6.95	6.94	1	1489	1.7	1490	1486	5	
24.20	6.92	.007	6.93	6.92	1	1488	2.2	1493	1485	10	
24.40	6.89	.021	6.91	6.88	1	1488	2.0	1491	1485	14	
24.60	6.85	.120	7.01	6.68	1	1486	2.3	1491	1481	29	
25.00	6.833	.220	7.18	6.64	1	1485	2.1	1489	1480	39	
25.20	6.70	.223	6.95	6.37	1	1482	1.9	1486	1479	46	
25.40	5.68	.475	6.81	5.53	1	1481	2.5	1486	1476	46	
25.60	4.99	.491	6.14	4.86	1	1481	2.2	1486	1475	46	
25.80	4.387	.387	5.36	4.43	1	1481	2.1	1485	1476	46	
26.00	4.313	.313	4.77	4.05	1	1481	1.6	1484	1477	46	
26.20	3.833	.246	4.24	3.66	1	1481	1.0	1484	1479	46	
26.40	3.30	.252	3.68	3.05	1	1480	.9	1483	1479	46	
26.60	2.81	.233	3.19	2.57	1	1478	1.0	1480	1476	45	
26.80	1.92	.325	2.42	1.61	1	1477	1.0	1478	1475	43	
27.00	.91	.196	1.13	.71	1	1477	.8	1478	1475	42	
27.10	.57	.088	.67	.46	1	1477	.7	1479	1476	43	
27.20	.44	.060	.50	.35	1	1478	.6	1480	1478	42	
27.30	.34	.056	.43	.28	1	1479	.5	1481	1479	40	
27.40	.38	.051	.44	.33	1	1480	.5	1482	1483	32	
27.50	.52	.061	.56	.45	1	1482	.8	1488	1485	15	
27.60	.95	.089	1.02	.85	1	1486					

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TEMPERATURE					SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	31.684	.0441	31.715	31.653	0
23.20	n/a	n/a	n/a	n/a	0	31.891	.2067	32.073	31.618	4
23.40	n/a	n/a	n/a	n/a	0	31.922	.2093	32.172	31.671	4
23.60	14.09	.014	14.10	14.08	2	32.020	.1970	32.267	31.721	1
23.80	13.69	.760	14.71	12.89	4	32.096	.1633	32.345	31.826	14
24.00	12.95	.698	14.06	12.01	7	32.187	.1463	32.460	31.957	18
24.20	12.37	.742	13.42	11.19	9	32.273	.1313	32.485	32.051	20
24.40	11.69	.714	12.79	10.55	14	32.353	.1099	32.496	32.180	20
24.60	10.97	.655	12.20	9.91	18	32.458	.0803	32.595	32.338	20
24.80	10.21	.609	11.23	9.20	20	32.555	.0598	32.889	32.470	20
25.00	9.38	.539	10.10	8.55	20	32.653	.0792	33.121	32.668	20
25.20	8.63	.444	9.38	7.88	20	32.750	.022	33.351	32.922	20
25.40	8.05	.555	9.56	7.32	20	32.848	.260	33.539	33.140	20
25.60	7.71	.603	9.44	7.06	20	32.946	.0889	33.695	33.381	20
25.80	7.58	.541	9.31	7.05	20	33.044	.0744	33.826	33.622	20
26.00	7.49	.479	8.96	6.82	20	33.142	.0608	33.956	33.800	19
26.20	7.41	.407	8.47	6.76	20	33.240	.0893	34.013	33.867	19
26.40	7.22	.344	7.81	6.67	20	33.338	.0383	34.075	34.023	18
26.60	6.77	.276	7.14	6.22	20	33.436	.0296	34.119	34.118	18
26.80	5.65	.259	5.96	4.97	19	33.534	.0219	34.191	34.207	18
27.00	4.68	.211	4.99	4.30	18	33.632	.0162	34.270	34.298	18
27.10	4.34	.156	4.61	4.07	18	33.730	.0137	34.350	34.367	18
27.20	4.03	.121	4.27	3.78	18	33.828	.0127	34.420	34.430	16
27.30	3.70	.108	3.92	3.51	18	33.926	.0132	34.482	34.536	3
27.40	3.28	.110	3.48	3.03	18	34.024	.0022	34.547	34.536	16
27.50	2.78	.118	2.91	2.46	16					
27.60	2.30	.051	2.34	2.24	3	34.542	.0022	34.547	34.536	3
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
DEPTH					SVA					
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	430.2	.04	430.2	430.1	2
23.60	2.1	.3	n/a	n/a	2	411.1	.23	411.3	410.8	4
23.80	5.1	14	n/a	n/a	4	392.2	.26	392.4	391.8	7
24.00	15.0	23	n/a	n/a	9	373.2	.24	373.5	372.8	9
24.20	19.7	33	n/a	n/a	14	354.2	.18	354.6	354.0	18
24.40	25.5	39	n/a	n/a	14	335.2	.17	335.6	334.9	18
24.60	27.7	48	n/a	n/a	20	316.3	.18	316.7	316.0	20
24.80	34.9	55	n/a	n/a	20	297.4	.22	297.7	297.1	20
25.00	43.1	65	n/a	n/a	20	278.5	.35	279.4	278.0	20
25.20	56	18.0	n/a	n/a	20	259.7	.39	260.8	259.2	20
25.40	71	20.3	129	46	20	240.9	.38	242.1	240.4	20
25.60	88	18.0	135	57	20	222.1	.40	223.4	221.6	20
25.80	100	18.1	149	71	20	203.3	.39	204.6	202.8	20
26.00	112	18.7	164	79	20	184.5	.32	185.8	184.0	20
26.20	127	20.4	185	89	20	165.9	.32	167.0	165.5	20
26.40	151	20.8	214	117	20	147.5	.36	148.6	147.0	20
26.60	202	22.3	268	170	20	129.6	.48	130.7	128.9	19
26.80	322	34.4	400	260	19	111.7	.45	112.6	111.0	18
27.00	492	28.2	554	448	18	102.8	.42	103.7	102.1	18
27.10	592	31.6	652	542	18	94.0	.38	94.8	93.4	18
27.20	708	39.5	779	621	18	85.3	.31	86.0	84.9	18
27.30	862	39.5	942	803	18	76.4	.22	76.9	76.1	18
27.40	1054	38.4	1155	991	18	67.3	.21	67.8	67.0	16
27.50	1302	61.7	1470	1210	16	58.2	.21	58.4	58.0	3
27.60	1624	6.7	1632	1620	16					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
THETA					SVA (THETA)					
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	426.8	.347	429.3	424.4	2
23.60	14.09	.014	14.10	14.08	2	404.0	.984	410.7	389.4	4
23.80	13.69	.760	14.71	12.89	4	387.7	6.64	391.9	373.3	7
24.00	12.94	.699	14.06	12.01	9	370.1	3.01	372.7	362.8	9
24.20	12.37	.744	13.42	11.19	9	352.3	1.77	353.8	347.7	14
24.40	11.68	.715	12.79	10.55	14	334.5	1.65	334.6	328.9	18
24.60	10.96	.656	12.20	9.90	18	314.5	1.53	315.6	310.1	20
24.80	10.20	.608	11.23	9.20	20	295.5	1.42	296.6	291.5	20
25.00	9.37	.540	10.09	8.54	20	276.7	1.23	277.6	272.9	20
25.20	8.62	.443	9.37	7.88	20	258.1	.61	258.5	256.5	20
25.40	8.04	.553	9.55	7.31	20	239.0	.49	239.5	238.1	20
25.60	7.70	.600	9.42	7.05	20	220.1	.37	220.4	219.2	20
25.80	7.57	.540	9.30	7.04	20	201.1	.41	201.4	200.1	20
26.00	7.48	.477	8.94	6.81	20	182.2	.27	182.4	181.4	20
26.20	7.40	.406	8.45	6.75	20	163.5	.15	163.4	162.9	20
26.40	7.21	.343	7.80	6.66	20	144.3	.05	144.4	144.2	20
26.60	6.75	.276	7.12	6.20	20	125.1	.17	125.4	124.8	19
26.80	5.63	.257	5.93	4.95	19	106.2	.09	106.3	106.0	18
27.00	4.64	.209	4.95	4.26	18	96.7	.09	96.7	96.4	18
27.10	4.29	.156	4.57	4.02	18	87.2	.05	87.2	87.1	18
27.20	3.98	.121	4.21	3.72	18	77.6	.03	77.6	77.5	18
27.30	3.63	.107	3.85	3.44	18	68.0	.09	68.2	67.9	18
27.40	2.21	.112	3.40	2.94	16	58.4	.12	58.5	58.2	16
27.50	2.69	.212	2.82	2.36	16	48.6	.06	48.7	48.6	3
27.60	2.19	.051	2.23	2.13	3					

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DELTA D					POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	.065	.0919	.130	.000	2	.00	.000	.00	.00	2
23.80	.367	.2159	.590	.120	4	.02	.018	.04	.00	4
24.00	.620	.2695	.910	.220	7	.06	.039	.11	.01	7
24.20	.769	.3287	1.290	.310	9	.09	.065	.21	.02	9
24.40	.957	.3499	1.470	.430	14	.14	.089	.29	.02	14
24.60	1.024	.3961	1.770	.210	18	.16	.110	.43	.01	18
24.80	1.234	.3377	1.980	.580	20	.23	.118	.54	.05	20
25.00	1.501	.3986	2.290	.870	26	.34	.177	.74	.11	26
25.20	1.870	.5815	3.240	1.150	20	.55	.352	1.51	.18	20
25.40	2.288	.6401	3.830	1.440	20	.84	.481	2.16	.33	20
25.60	2.704	.5741	4.220	1.890	20	1.16	.510	2.68	.49	20
25.80	2.992	.5785	4.540	2.230	20	1.44	.564	3.13	.72	20
26.00	3.253	.5912	4.870	2.410	20	1.73	.632	3.67	.85	20
26.20	3.549	.6186	5.280	2.600	20	2.10	.731	4.39	1.02	20
26.40	3.966	.6286	5.800	3.080	20	2.68	.850	5.46	1.53	20
26.60	4.758	.6086	6.640	4.100	20	4.13	1.015	7.53	3.04	20
26.80	6.432	.7081	8.480	5.400	19	8.63	1.860	13.84	5.82	19
27.00	8.513	.6331	10.380	7.740	18	17.24	2.175	23.10	14.44	18
27.10	9.599	.6189	11.450	8.910	18	23.28	.654	29.69	19.61	18
27.20	10.751	.6583	12.730	9.980	18	31.00	3.542	39.12	25.30	18
27.30	12.137	.6719	14.210	11.190	18	42.19	4.119	52.20	37.14	18
27.40	13.703	.6679	15.640	12.780	18	57.59	4.605	68.51	50.77	18
27.50	15.502	.8053	17.540	14.450	16	79.46	7.645	99.17	68.64	16
27.60	17.613	.2635	17.830	17.320	3	109.09	.875	110.04	108.32	3

DELTA DH					ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	13.266	.0969	13.335	13.198	22	13.338	.0135	13.347	13.328	22
23.80	13.473	.5645	14.119	13.073	23	13.759	.7420	14.616	13.318	23
24.00	12.902	.5855	13.853	12.117	20	13.503	.5558	14.585	13.020	20
24.20	12.688	.5824	13.763	11.988	20	13.464	.5062	14.546	13.971	20
24.40	12.343	.5310	13.552	11.802	12	13.279	.4532	14.499	12.826	12
24.60	12.171	.4597	13.325	11.632	16	13.130	.4271	14.443	12.608	16
24.80	11.930	.3797	13.037	11.473	18	13.060	.4063	14.372	12.559	18
25.00	11.654	.3421	12.568	11.255	18	12.985	.3986	14.283	12.504	18
25.20	11.273	.3240	11.761	10.760	18	12.889	.3812	14.143	12.434	18
25.40	10.868	.4009	11.617	10.330	18	12.766	.3540	13.934	12.345	18
25.60	10.458	.3356	11.357	10.042	18	12.611	.3295	13.694	12.219	18
25.80	10.175	.3310	11.003	9.794	18	12.431	.3065	13.426	12.060	18
26.00	9.918	.3453	10.792	9.504	18	12.229	.2853	13.131	11.878	18
26.20	9.623	.3790	10.602	9.148	18	12.003	.2670	12.804	11.676	18
26.40	9.207	.3598	10.165	8.770	18	11.743	.2514	12.424	11.450	18
26.60	8.400	.2250	8.742	7.969	18	11.422	.2316	11.994	11.171	18
26.80	6.716	.2899	7.230	6.140	18	10.958	.1896	11.400	10.722	18
27.00	4.690	.2177	5.631	4.241	18	10.228	.1418	10.528	10.035	18
27.10	3.607	.2393	4.013	3.163	18	9.745	.1175	9.984	9.568	18
27.20	2.455	.3212	3.177	1.894	18	9.169	.0870	9.340	9.027	18
27.30	1.067	.3181	1.557	1.414	18	8.481	.0499	8.573	8.403	18
27.40	-0.497	.3093	1.000	-1.321	18	7.631	.0247	7.684	7.586	18
27.50	-2.300	.4793	-1.580	-3.596	16	6.552	.0652	6.623	6.366	16
27.60	-4.302	.0326	-4.274	-4.338	3	5.265	.0313	5.301	5.244	3

OXYGEN					SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	1500	.0	1500	1500	2
23.60	n/a	n/a	n/a	n/a	0	1499	2.9	1503	1496	4
23.80	n/a	n/a	n/a	n/a	0	1497	2.4	1501	1494	7
24.00	n/a	n/a	n/a	n/a	0	1495	2.8	1499	1491	9
24.20	6.64	n/a	n/a	n/a	1	1493	2.5	1497	1489	14
24.40	6.66	n/a	n/a	n/a	1	1491	2.4	1495	1487	18
24.60	6.68	n/a	n/a	n/a	1	1488	2.2	1492	1484	20
25.00	6.70	n/a	n/a	n/a	1	1485	2.2	1488	1482	20
25.20	6.52	n/a	n/a	n/a	1	1483	2.0	1487	1480	20
25.40	6.04	n/a	n/a	n/a	1	1480	2.6	1488	1478	20
25.60	5.70	n/a	n/a	n/a	1	1480	2.4	1488	1478	20
25.80	5.38	n/a	n/a	n/a	1	1480	2.0	1487	1478	20
26.00	4.57	n/a	n/a	n/a	1	1481	1.9	1486	1478	20
26.20	4.00	n/a	n/a	n/a	1	1481	1.5	1483	1478	20
26.40	3.92	n/a	n/a	n/a	1	1481	1.3	1482	1477	20
26.60	3.95	n/a	n/a	n/a	1	1478	1.3	1480	1475	19
27.00	2.34	n/a	n/a	n/a	1	1477	1.2	1479	1475	18
27.10	1.06	n/a	n/a	n/a	1	1477	1.0	1479	1475	18
27.20	.82	n/a	n/a	n/a	1	1478	.8	1479	1477	18
27.30	.62	n/a	n/a	n/a	1	1479	.7	1480	1478	18
27.40	.46	n/a	n/a	n/a	1	1480	.7	1481	1480	18
27.50	.45	n/a	n/a	n/a	1	1482	.7	1484	1481	16
27.60	.65	n/a	n/a	n/a	0	1486	.0	1486	1486	3

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TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	31.164	n/a	n/a	n/a	0	
23.20	14.20	n/a	n/a	n/a	1	31.298	n/a	n/a	n/a	1	
23.40	13.58	n/a	n/a	n/a	1	31.425	n/a	n/a	n/a	1	
23.60	13.06	n/a	n/a	n/a	1	31.897	.2171	32.157	31.544	6	
23.80	13.99	.907	15.03	12.45	6	31.961	.2054	32.227	31.656	6	
24.00	13.26	.850	14.31	11.93	6	32.124	.1876	32.440	31.763	13	
24.20	12.88	.759	14.15	11.44	13	32.199	.1616	32.460	31.919	13	
24.40	12.08	.696	13.20	10.84	13	32.274	.1470	32.471	32.067	13	
24.60	11.27	.648	12.21	10.28	13	32.346	.1246	32.501	32.143	13	
24.80	10.48	.574	11.31	9.68	13	32.413	.0816	32.522	32.286	13	
25.00	9.64	.572	10.24	9.01	13	32.486	.0574	32.572	32.398	13	
25.20	8.79	.287	9.26	8.34	13	32.599	.0504	32.644	32.468	13	
25.40	8.07	.273	8.32	7.37	13	32.812	.0578	32.884	32.669	13	
25.60	7.83	.303	8.15	7.06	13	32.946	.0535	33.119	32.974	13	
25.80	7.73	.297	8.13	7.33	13	33.285	.0578	33.376	33.199	13	
26.00	7.63	.313	8.06	7.15	13	33.512	.0563	33.614	33.421	13	
26.20	7.49	.314	8.06	6.99	13	33.726	.0401	33.799	33.667	13	
26.40	7.27	.229	7.68	6.93	13	33.897	.0302	33.951	33.850	13	
26.60	6.79	.176	7.11	6.52	13	33.977	.0218	34.007	33.930	13	
26.80	5.72	.145	5.91	5.41	13	34.084	.0128	34.112	34.061	13	
27.00	4.75	.091	4.94	4.58	13	34.160	.0113	34.175	34.141	13	
27.10	4.39	.087	4.50	4.24	13	34.246	.0112	34.262	34.226	13	
27.20	4.09	.091	4.21	3.93	13	34.324	.0116	34.349	34.305	13	
27.30	3.71	.089	3.91	3.56	13	34.401	.0075	34.417	34.391	12	
27.40	3.31	.064	3.45	2.22	13	34.470	.0080	34.482	34.460	12	
27.50	2.81	.059	2.93	2.74	13	34.542	.0076	34.544	34.540	2	
27.60	2.29	.007	2.30	2.29	2						

DEPTH						SVA					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	468.5	n/a	n/a	n/a	0	
23.20	15.0	n/a	n/a	n/a	1	449.2	n/a	n/a	n/a	1	
23.40	16.0	n/a	n/a	n/a	1	429.9	n/a	n/a	n/a	1	
23.60	17.0	n/a	n/a	n/a	1	411.3	.30	411.8	410.9	6	
23.80	24.0	5.00	33.33	18	6	392.4	.26	392.7	392.0	6	
24.00	24.0	6.00	38.5	15	13	373.4	.13	373.6	373.2	13	
24.20	29.0	9.6	43	18	13	354.3	.18	354.5	354.0	13	
24.40	52.0	7.6	49	30	13	335.2	.21	335.5	335.0	13	
24.60	37.0	8.4	49	26	13	316.3	.22	316.6	315.9	13	
24.80	45.0	9.91	60	30	13	297.4	.23	297.7	297.0	13	
25.00	57.0	10.8	70	37	13	278.5	.20	278.8	278.2	13	
25.20	76.0	15.1	105	47	13	259.8	.26	260.0	259.4	13	
25.40	91.0	14.7	115	56	13	240.9	.21	241.3	240.5	13	
25.60	102.0	14.7	126	69	13	222.1	.20	222.4	221.7	13	
25.80	116.0	12.8	140	97	13	203.3	.17	203.6	203.1	13	
26.00	134.0	12.5	159	116	13	184.6	.16	184.8	184.4	13	
26.20	162.0	14.7	183	139	13	166.1	.23	166.5	165.8	13	
26.40	212.0	15.7	240	188	13	147.7	.24	148.2	147.3	13	
26.60	328.0	22.2	371	288	13	129.6	.26	130.3	129.3	13	
27.00	496.0	26.1	532	432	13	111.7	.27	112.1	111.2	13	
27.20	593.0	20.2	626	564	13	102.8	.18	103.1	102.6	13	
27.30	714.0	24.2	742	655	13	94.1	.20	94.4	93.8	13	
27.40	860.0	31.0	901	769	13	85.3	.21	85.6	84.9	13	
27.50	1043.0	35.4	1078	942	13	76.4	.21	76.7	76.0	12	
27.60	1294.0	50.0	1343	1181	13	67.4	.19	67.6	67.0	12	
	1646.0	14.8	1656	1635	2	58.3	.21	58.4	58.1	2	

THETA						SVA (THETA)					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	467.0	n/a	n/a	n/a	0	
23.20	14.26	n/a	n/a	n/a	1	445.2	n/a	n/a	n/a	1	
23.40	13.58	n/a	n/a	n/a	1	425.0	n/a	n/a	n/a	1	
23.60	13.99	.906	15.03	12.45	6	409.6	1.08	411.0	406.2	6	
23.80	13.26	.850	14.31	11.93	6	390.9	1.25	391.8	388.7	6	
24.00	12.88	.763	14.15	11.43	13	371.7	1.22	372.8	369.2	13	
24.20	12.07	.699	13.20	10.83	13	351.5	1.50	353.6	349.3	13	
24.40	11.27	.651	12.21	10.27	13	332.0	2.08	334.6	329.0	13	
24.60	10.47	.574	11.30	9.67	13	313.4	2.57	315.6	308.0	13	
24.80	9.64	.373	10.24	9.00	13	295.1	1.86	296.6	290.3	13	
25.00	8.79	.286	9.25	7.34	13	276.9	.68	277.5	275.1	13	
25.20	8.96	.272	8.31	7.36	13	258.1	.38	258.5	257.5	13	
25.40	7.82	.303	8.14	7.05	13	239.1	.49	239.5	238.0	13	
25.60	7.72	.298	8.13	7.32	13	220.1	.31	220.4	219.5	13	
25.80	7.65	.314	8.14	7.13	13	201.1	.38	201.4	200.4	13	
26.00	7.48	.315	8.04	6.97	13	182.3	.14	182.4	182.0	13	
26.20	7.26	.226	7.66	6.92	13	163.3	.11	163.4	163.1	13	
26.40	6.77	.176	7.09	6.50	13	144.3	.04	144.4	144.2	13	
26.60	5.69	.146	5.88	4.58	13	125.2	.06	125.3	124.9	13	
27.00	4.71	.090	4.90	4.55	13	106.2	.06	106.3	106.1	13	
27.10	4.34	.085	4.45	4.20	13	96.7	.04	96.7	96.6	13	
27.20	4.03	.090	4.16	3.88	13	87.1	.07	87.2	87.0	13	
27.30	3.65	.089	3.85	3.50	13	77.6	.05	77.7	77.5	13	
27.40	3.23	.066	3.38	2.14	13	68.0	.11	68.1	67.8	13	
27.50	2.72	.063	2.85	2.64	13	58.4	.15	58.6	58.2	13	
27.60	2.18	.007	2.18	2.17	2	48.6	.14	48.7	48.5	2	

STATION MP06 J U L Y 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA	-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00		n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20		740	n/a	n/a	n/a	1	.06	n/a	n/a	n/a	1
23.40		.780	n/a	n/a	n/a	1	.07	n/a	n/a	n/a	1
23.60		.830	n/a	n/a	n/a	1	.07	n/a	n/a	n/a	1
23.80		.718	.3340	1.270	.350	6	.07	.069	.20	.01	6
24.00	1.	.030	.2328	1.390	.750	6	.14	.063	.24	.07	6
24.20		.992	.2918	1.470	.600	13	.13	.070	.26	.05	13
24.40		1.137	.2693	1.550	.650	13	.17	.074	.29	.06	13
24.60		1.253	.2944	1.700	.710	13	.21	.090	.35	.07	13
24.80		1.404	.3137	1.840	.760	13	.27	.107	.44	.08	13
25.00		1.660	.2951	2.110	1.180	13	.38	.138	.62	.18	13
25.20		1.996	.3173	2.450	1.470	13	.55	.185	.82	.25	13
25.40		2.522	.4187	3.340	1.810	13	.93	.342	1.66	.40	13
25.60		2.893	.3971	3.590	2.040	13	1.24	.365	1.94	.53	13
25.80		3.165	.4038	3.850	2.340	13	1.51	.412	2.27	.72	13
26.00		3.453	.3742	4.150	2.930	13	1.83	.422	2.67	1.23	13
26.20		3.795	.3598	4.500	3.260	13	2.27	.439	3.21	1.72	13
26.40		4.296	.3708	4.830	3.770	13	3.03	.511	3.79	2.31	13
26.60		5.085	.3690	5.630	4.440	13	4.55	.622	5.44	.54	13
26.80		6.581	.3342	7.250	6.050	13	8.63	1.032	11.13	7.35	13
27.00		8.638	.3356	9.190	8.160	13	17.17	1.667	20.12	13.79	13
27.10		9.751	.3258	10.420	9.100	13	23.34	1.623	26.21	21.04	13
27.20		10.961	.3257	11.620	10.380	13	31.46	2.012	34.21	27.07	13
27.30		12.278	.4117	13.050	11.400	12	42.15	2.876	46.34	34.56	12
27.40		13.728	.3701	14.260	12.800	12	56.58	3.540	61.15	46.86	12
27.50		15.594	.4814	16.150	14.520	12	78.66	5.844	84.68	65.64	12
27.60		17.855	.0778	17.910	17.800	2	112.35	1.902	113.70	111.01	2
SIGMA	-T.	DELTA DH						ACC. POT.			
SIGMA	-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00		n/a	n/a	n/a	n/a	0	13.312	n/a	n/a	n/a	0
23.20		12.593	n/a	n/a	n/a	1	13.282	n/a	n/a	n/a	1
23.40		12.550	n/a	n/a	n/a	1	13.249	n/a	n/a	n/a	1
23.60		12.510	n/a	n/a	n/a	1	13.323	.1448	13.544	13.152	6
23.80		12.635	.2626	13.020	12.290	6	13.284	.1362	13.483	13.114	6
24.00		12.326	.1707	12.506	12.104	6	13.274	.2291	13.802	12.928	13
24.20		12.357	.3284	13.042	11.989	11	13.243	.2152	13.745	12.897	13
24.40		12.218	.2386	12.651	11.876	13	13.185	.2098	13.682	12.863	13
24.60		12.103	.2594	12.561	11.743	13	13.120	.2039	13.611	12.827	13
24.80		11.952	.2438	12.291	11.606	13	13.043	.1929	13.514	12.780	13
25.00		11.696	.2194	12.045	11.415	13	12.947	.1843	13.397	12.688	13
25.20		11.361	.2866	11.922	10.992	13	12.824	.1744	13.230	12.568	13
25.40		10.835	.3747	11.755	10.407	13	12.665	.1668	13.018	12.408	13
25.60		10.464	.3636	11.519	10.120	13	12.481	.1629	12.791	12.233	13
25.80		10.191	.3552	11.219	9.865	13	12.275	.1608	12.610	12.045	13
26.00		9.903	.2944	10.637	9.586	13	12.042	.1571	12.399	11.840	13
26.20		9.561	.2382	9.926	9.275	13	11.768	.1491	12.107	11.563	13
26.40		9.061	.2545	9.463	8.681	13	11.427	.1440	11.713	11.199	13
26.60		8.270	.2543	8.630	7.815	13	10.953	.1340	11.186	10.710	13
26.80		6.777	.2050	7.110	6.313	13	10.236	.0980	10.383	10.014	13
27.00		4.717	.2460	5.284	4.369	13	9.753	.0809	9.856	9.545	13
27.10		3.605	.1603	3.860	3.346	13	8.063	.0663	8.253	8.992	13
27.20		2.396	.1774	2.793	2.161	13	8.480	.0441	8.530	8.357	13
27.30		1.077	.2447	1.769	.758	13	7.634	.0167	7.652	7.597	12
27.40		-0.409	.2758	1.369	-0.691	13	6.578	.0347	6.641	6.533	12
27.50		-2.233	.3915	-1.352	-2.609	2	5.236	.0212	5.251	5.221	2
27.60		-4.457	.1068	-4.382	-4.533	2					
SIGMA	-T.	OXYGEN						SOUND			
SIGMA	-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00		n/a	n/a	n/a	n/a	0	1500	n/a	n/a	n/a	0
23.20		n/a	n/a	n/a	n/a	0	1498	n/a	n/a	n/a	1
23.40		n/a	n/a	n/a	n/a	0	1497	n/a	n/a	n/a	1
23.60		5.97	n/a	n/a	n/a	1	1501	.4	1505	1495	6
23.80		6.02	n/a	n/a	n/a	1	1498	.3	1502	1493	6
24.00		6.25	n/a	n/a	n/a	1	1497	.2	1502	1492	13
24.20		6.45	n/a	n/a	n/a	1	1495	.2	1499	1490	13
24.40		6.499	n/a	n/a	n/a	1	1492	.2	1495	1488	13
24.60		6.488	n/a	n/a	n/a	1	1489	.1	1492	1486	13
25.00		6.09	n/a	n/a	n/a	1	1486	.1	1489	1484	13
25.20		5.329	n/a	n/a	n/a	1	1483	.1	1485	1481	13
25.40		4.799	n/a	n/a	n/a	1	1481	.1	1482	1478	13
25.60		4.30	n/a	n/a	n/a	1	1481	.1	1483	1479	13
26.00		3.72	n/a	n/a	n/a	1	1481	.1	1483	1479	13
26.20		3.70	n/a	n/a	n/a	1	1481	.1	1484	1480	13
26.40		3.06	n/a	n/a	n/a	1	1481	.1	1483	1480	13
26.80		1.68	n/a	n/a	n/a	1	1478	.1	1481	1479	13
27.00		.91	n/a	n/a	n/a	1	1477	.1	1478	1476	13
27.10		.47	n/a	n/a	n/a	1	1477	.1	1478	1476	13
27.20		.24	n/a	n/a	n/a	1	1478	.1	1479	1477	13
27.30		.18	n/a	n/a	n/a	1	1479	.1	1480	1478	13
27.40		.25	n/a	n/a	n/a	1	1480	.1	1481	1479	13
27.50		.56	n/a	n/a	n/a	0	1483	.1	1483	1481	12
27.60		n/a	n/a	n/a	n/a	0	1487	.1	1487	1486	12

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TEMPERATURE					SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	16.04	n/a	n/a	n/a	1	31.406	n/a	n/a	n/a	1
23.20	15.32	.552	15.71	14.93	2	31.590	.0027	31.591	31.590	2
23.40	15.20	.636	15.64	14.26	4	31.753	.0618	31.807	31.675	4
23.60	14.99	.594	15.91	13.87	11	31.934	1.333	32.151	31.724	11
23.80	14.43	.481	15.07	13.55	20	32.023	.1410	32.254	31.764	20
24.00	13.68	.491	14.39	12.67	25	32.088	.1270	32.301	31.862	25
24.20	12.92	.524	13.80	11.68	29	32.153	.1280	32.391	31.875	29
24.40	12.10	.575	13.27	10.79	29	32.213	.1399	32.471	31.875	29
24.60	11.30	.564	12.09	9.99	29	32.285	.1257	32.495	32.034	29
24.80	10.44	.550	11.27	8.86	29	32.348	.1124	32.509	32.069	29
25.00	9.62	.538	10.24	7.79	29	32.414	.0996	32.537	32.076	29
25.20	8.86	.435	9.66	8.03	29	32.505	.0833	32.667	32.361	29
25.40	8.24	.655	9.57	7.36	29	32.637	.1272	32.904	32.466	29
25.60	7.84	.850	9.99	5.51	29	32.819	.1604	33.138	32.632	29
25.80	7.70	.836	9.99	3.38	29	33.049	.1548	33.364	32.846	29
26.00	7.64	.698	9.06	6.55	29	33.289	.1291	33.556	33.099	29
26.20	7.52	.543	8.58	6.50	29	33.520	.0988	33.716	33.339	29
26.40	7.29	.346	7.89	6.55	29	33.731	.0598	33.838	33.603	29
26.60	6.80	.190	7.07	6.39	29	33.898	.0328	33.946	33.828	29
26.80	5.71	.155	5.94	5.39	28	34.076	.0238	34.011	33.927	28
27.00	4.75	.117	4.94	4.45	28	34.085	.0166	34.114	34.043	28
27.10	4.38	.108	4.57	4.18	27	34.160	.0148	34.186	34.132	27
27.20	4.07	.097	4.42	3.88	26	34.244	.0130	34.278	34.219	27
27.30	3.72	.093	4.97	3.56	26	34.326	.0127	34.358	34.305	26
27.40	3.33	.078	4.46	3.20	25	34.403	.0086	34.419	34.387	25
27.50	2.84	.080	2.01	2.70	23	34.473	.0097	34.491	34.456	23
27.60	2.36	.077	2.52	2.27	9	34.548	.0071	34.562	34.540	9

SIGMA -T.	DEPTH					SVA				
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	9	n/a	n/a	n/a	1	487.6	n/a	n/a	n/a	1
23.20	7	7.1	12	n/a	2	468.4	.29	468.6	468.2	2
23.40	17	8.8	25	5	4	449.6	.31	449.8	449.1	4
23.60	17	9.4	30	22	11	430.5	.26	430.9	430.1	11
23.80	19	8.5	32	11	20	411.4	.19	411.7	411.0	20
24.00	21	8.9	36	7	25	392.3	.20	392.8	392.0	25
24.20	25	7.0	42	13	29	373.3	.22	373.7	372.9	29
24.40	29	7.0	45	13	29	354.3	.21	354.6	353.8	29
24.60	33	7.0	45	19	29	335.2	.19	335.6	334.6	29
24.80	37	7.0	51	23	29	316.3	.21	316.7	315.6	29
25.00	43	8.0	59	24	29	297.4	.22	297.8	296.8	29
25.20	57	14.0	87	35	29	278.5	.32	279.2	278.1	29
25.40	72	18.0	110	45	29	259.7	.37	260.6	259.2	29
25.60	88	17.0	124	57	29	240.9	.41	241.9	240.4	29
25.80	101	16.0	136	72	29	222.1	.41	223.1	221.6	29
26.00	113	16.0	149	80	29	203.3	.41	204.3	202.9	29
26.20	129	20.0	172	95	29	184.6	.44	185.6	184.1	29
26.40	154	23.0	207	123	29	166.0	.43	167.0	165.4	29
26.60	206	28.0	267	168	29	147.6	.46	148.6	147.0	29
26.80	322	31.7	395	277	28	129.6	.45	130.6	129.0	28
27.00	495	32.0	568	460	28	111.8	.40	112.7	111.3	28
27.10	597	32.0	675	549	27	102.9	.38	103.9	102.4	27
27.20	713	32.0	783	667	27	94.1	.35	95.0	93.6	27
27.30	862	37.5	931	800	26	85.3	.34	86.1	84.8	26
27.40	1046	40.8	1100	945	25	76.5	.24	77.0	76.1	25
27.50	1285	54.4	1396	1173	23	67.4	.22	67.8	67.0	23
27.60	1579	81.5	1666	1404	9	58.2	.26	58.6	57.7	9

SIGMA -T.	THETA					SVA (THETA)				
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	16.04	n/a	n/a	n/a	1	486.9	n/a	n/a	n/a	1
23.20	15.32	.552	15.71	14.93	2	458.5	11.46	466.6	450.4	2
23.40	15.19	.632	15.63	14.26	4	444.1	8.89	449.1	430.8	4
23.60	14.99	.592	15.90	13.87	11	426.6	2.47	429.6	419.6	11
23.80	14.43	.480	15.07	13.55	20	408.7	2.33	410.9	402.5	20
24.00	13.68	.491	14.38	12.67	25	389.2	2.92	391.9	382.4	25
24.20	12.91	.524	13.80	11.67	29	370.1	1.12	372.8	362.2	29
24.40	12.10	.577	13.27	10.78	29	350.9	1.14	353.7	343.8	29
24.60	11.29	.564	12.09	9.99	29	331.5	3.00	334.5	325.9	29
24.80	10.43	.549	11.26	8.86	29	312.6	2.46	315.5	307.6	29
25.00	9.61	.538	10.24	7.78	29	294.7	1.95	296.6	290.8	29
25.20	8.85	.435	9.65	8.02	29	276.6	1.25	277.6	272.4	29
25.40	8.23	.654	9.56	7.35	29	257.9	.73	258.5	255.8	29
25.60	7.83	.850	9.50	6.82	29	239.0	.47	239.5	238.1	29
25.80	7.69	.035	9.06	6.57	29	219.9	.45	220.5	218.9	29
26.00	7.63	.698	9.05	5.58	29	201.1	.36	201.5	200.2	29
26.20	7.50	.543	8.57	6.48	29	182.1	.27	182.4	181.5	29
26.40	7.28	.334	7.88	6.54	29	163.3	.10	163.4	163.1	29
26.60	6.78	.189	7.95	5.37	29	144.4	.09	144.4	144.0	29
26.80	5.69	.153	5.91	3.36	29	125.2	.16	125.3	124.7	29
27.00	4.71	.117	4.90	4.41	28	106.1	.10	106.3	106.0	28
27.10	4.33	.106	4.51	4.14	27	96.6	.09	96.7	96.5	27
27.20	4.02	.096	4.27	3.83	27	87.1	.06	87.2	87.0	27
27.30	3.66	.093	3.91	3.49	26	77.6	.06	77.7	77.5	26
27.40	3.25	.079	3.99	2.12	25	68.0	.11	68.1	67.8	25
27.50	2.75	.092	2.99	2.61	23	58.4	.13	58.6	58.2	23
27.60	2.25	.084	2.43	2.16	9	48.7	.17	49.0	48.5	9

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SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	.450	n/a	n/a	n/a	1	.02	n/a	n/a	n/a	1
23.20	.350	.3677	610	.090	2	.02	.028	.04	.00	2
23.40	.782	.4068	1.140	.220	4	.08	.061	.15	.01	4
23.60	.744	.4281	1.320	.070	11	.08	.071	.20	.00	11
23.80	.808	.3816	1.420	.060	20	.09	.070	.23	.00	20
24.00	.890	.3948	1.540	.270	25	.11	.085	.28	.01	25
24.20	1.021	.3769	1.670	.210	29	.14	.089	.32	.01	29
24.40	1.168	.3425	1.790	.490	29	.18	.093	.36	.03	29
24.60	1.306	.3345	1.900	.730	29	.22	.102	.41	.07	29
24.80	1.459	.3307	2.010	.930	29	.28	.114	.48	.10	29
25.00	1.642	.3478	2.340	1.020	29	.35	.136	.64	.12	29
25.20	2.037	.5267	3.050	1.320	29	.58	.299	1.22	.21	29
25.40	2.443	.6051	3.600	1.570	29	.86	.416	1.84	.32	29
25.60	2.859	.5930	3.960	1.900	29	1.20	.476	2.28	.49	29
25.80	3.156	.5644	4.240	2.250	29	1.49	.506	2.65	.72	29
26.00	3.418	.5720	4.540	2.470	29	1.77	.565	3.07	.89	29
26.20	3.726	.6256	4.990	2.700	29	2.17	.706	3.80	1.10	29
26.40	4.167	.6926	5.670	3.260	29	2.82	.924	4.92	1.78	29
26.60	4.977	.7477	6.620	4.010	29	4.34	1.261	7.20	2.92	29
26.80	6.584	.7687	8.390	5.580	29	8.69	1.863	13.23	6.31	29
27.00	8.691	.7565	10.510	7.770	28	17.48	2.615	23.64	14.82	28
27.10	9.793	.7678	11.510	8.790	27	23.68	2.988	29.95	19.81	27
27.20	10.943	.7562	12.560	9.920	27	31.41	3.292	38.03	27.08	27
27.30	12.309	.8050	13.860	11.160	26	42.36	4.169	50.12	36.07	26
27.40	13.813	.8054	15.280	12.370	25	57.14	4.868	64.84	46.66	25
27.50	15.488	.8143	16.950	14.010	23	77.83	6.541	89.64	64.57	23
27.60	17.194	.9608	19.000	15.470	9	104.39	9.958	115.23	83.87	9

SIGMA -T.	DELTA DH					ACC. POT.				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	12.990	n/a	n/a	n/a	1	13.430	n/a	n/a	n/a	1
23.20	12.752	.1011	12.823	12.680	2	14.087	.4554	13.409	12.765	2
23.40	13.002	.4675	13.540	12.551	4	13.760	.8380	14.533	12.759	4
23.60	12.859	.3962	13.529	12.428	10	13.573	.6365	14.487	12.715	10
23.80	12.703	.4073	13.842	12.278	19	13.461	.5667	14.430	12.640	19
24.00	12.552	.3697	13.611	12.170	22	13.377	.5304	14.367	12.632	22
24.20	12.372	.3264	13.132	11.812	26	13.274	.5000	14.297	12.614	26
24.40	12.224	.3185	12.935	11.704	26	13.224	.4874	14.221	12.584	26
24.60	12.084	.3382	12.751	11.485	26	13.166	.4760	14.140	12.542	26
24.80	11.940	.3528	12.586	11.419	26	13.101	.4657	14.053	12.492	26
25.00	11.750	.3426	12.415	11.323	26	13.027	.4571	13.963	12.433	26
25.20	11.335	.3079	12.113	10.795	26	12.934	.4410	13.825	12.362	26
25.40	10.917	.3244	11.854	10.461	26	12.812	.4164	13.660	12.280	26
25.60	10.495	.2941	11.533	10.049	26	12.658	.3904	13.471	12.175	26
25.80	10.194	.2677	11.187	9.793	26	12.476	.3664	13.253	12.022	26
26.00	9.933	.2634	10.969	9.533	26	12.272	.3433	12.999	11.843	26
26.20	9.626	.2861	10.732	9.924	26	12.044	.3182	12.704	11.645	26
26.40	9.177	.2629	9.937	8.801	26	11.780	.2890	12.360	11.411	26
26.60	8.348	.2443	8.686	7.935	26	11.452	.2481	11.946	11.116	26
26.80	6.740	.2612	7.229	6.159	26	10.980	.2005	11.392	10.688	26
27.00	4.644	.2631	4.971	4.046	26	10.247	.1427	10.560	10.014	26
27.10	3.552	.2565	3.919	2.954	26	9.758	.1149	10.024	9.568	26
27.20	2.404	.2482	2.735	1.859	26	9.178	.0848	9.370	9.032	26
27.30	1.067	.2977	1.529	1.508	25	8.485	.0533	8.598	8.392	25
27.40	-0.436	.3252	1.347	-0.888	25	7.637	.0186	7.672	7.600	25
27.50	-2.170	.4206	-1.298	-3.000	23	6.574	.0464	6.664	6.492	23
27.60	-3.998	.5852	-2.755	-4.659	9	5.292	.0748	5.438	5.198	9

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	1506	n/a	n/a	n/a	1
23.20	6.13	n/a	n/a	n/a	1	1505	2.1	1506	1503	2
23.40	6.17	.163	6.29	6.06	2	1505	2.4	1506	1501	4
23.60	6.29	.156	6.39	6.11	3	1504	2.2	1507	1500	11
23.80	6.26	.145	6.41	6.09	4	1502	1.7	1505	1499	20
24.00	6.26	.077	6.34	6.17	4	1500	1.9	1503	1496	25
24.20	6.39	.339	6.85	5.96	4	1497	1.9	1501	1493	29
24.40	6.35	.376	6.66	5.78	4	1495	2.2	1499	1490	29
24.60	6.21	.486	6.72	6.2	2	1492	2.2	1495	1487	29
24.80	6.24	.458	6.79	8.81	4	1489	2.0	1492	1483	29
25.00	6.23	.311	6.60	5.98	4	1486	2.3	1489	1479	29
25.20	6.08	.306	6.46	5.69	4	1484	1.9	1487	1480	29
25.40	5.78	.609	6.50	5.11	4	1482	3.0	1488	1478	29
25.60	5.41	.812	6.30	4.51	4	1481	3.7	1488	1477	29
25.80	4.79	.685	5.48	3.92	4	1481	3.6	1488	1476	29
26.00	4.11	.521	4.84	3.50	4	1481	2.5	1486	1477	29
26.20	3.76	.467	4.37	2.27	4	1481	1.5	1484	1478	29
26.40	3.51	.450	3.96	2.99	4	1480	1.1	1482	1478	29
26.60	3.02	.313	3.38	2.58	4	1478	1.1	1480	1478	29
26.80	1.92	.267	2.26	1.57	4	1477	0.8	1479	1475	29
27.00	.87	.164	1.04	.69	4	1477	0.8	1479	1476	27
27.10	.63	.133	.76	.45	4	1477	0.8	1480	1477	27
27.20	.46	.115	.61	.31	4	1478	0.8	1480	1476	27
27.30	.36	.085	.48	.25	4	1479	0.8	1481	1478	26
27.40	.38	.062	.44	.31	4	1481	0.7	1482	1479	25
27.50	.56	.102	.71	.49	4	1483	0.7	1484	1481	23
27.60	.99	.186	1.16	.79	4	1486	1.2	1487	1483	9

STATION MP06 S E P T E M B E R 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	17.51	n/a	n/a	n/a	1	31.877	n/a	n/a	n/a	1	
23.20	16.88	n/a	n/a	n/a	1	31.932	n/a	n/a	n/a	1	
23.40	15.77	.502	16.12	15.41	2	31.861	.1668	31.979	31.743	2	
23.60	15.33	.564	15.94	14.58	4	32.012	.1712	32.216	31.797	4	
23.80	14.66	.417	15.22	13.78	14	32.070	.1071	32.211	31.849	14	
24.00	13.81	.376	14.27	13.06	17	32.119	.1016	32.269	31.895	17	
24.20	13.08	.494	14.37	12.35	20	32.197	.1260	32.496	31.989	20	
24.40	12.28	.528	13.53	11.52	20	32.255	.1281	32.547	32.068	20	
24.60	11.43	.536	12.66	10.69	20	32.315	.1213	32.578	32.108	20	
24.80	10.63	.511	11.73	9.77	21	32.383	.1050	32.603	32.185	21	
25.00	9.78	.468	10.65	8.93	21	32.444	.0982	32.649	32.248	21	
25.20	8.89	.463	10.22	8.22	21	32.506	.0900	32.772	32.368	21	
25.40	8.10	.457	9.40	7.41	21	32.609	.0936	32.903	32.476	21	
25.60	7.56	.551	8.65	6.59	21	32.766	.1062	33.021	32.589	21	
25.80	7.36	.426	7.99	6.63	21	32.982	.0793	33.127	32.852	21	
26.00	7.28	.360	7.73	6.77	21	33.223	.0543	33.304	33.130	21	
26.20	7.24	.271	7.69	6.72	21	33.467	.0495	33.550	33.375	21	
26.40	7.17	.328	7.78	6.64	21	33.799	.0574	33.820	33.619	21	
26.60	6.74	.195	7.04	6.33	21	33.888	.0330	33.940	33.819	21	
26.80	5.65	.239	5.92	5.17	21	33.966	.0362	34.010	33.896	21	
27.00	4.74	.192	5.08	4.36	21	34.084	.0274	34.135	34.031	21	
27.10	4.42	.160	4.66	4.16	21	34.165	.0222	34.200	34.130	21	
27.20	4.11	.112	4.26	3.88	21	34.249	.0143	34.269	34.220	21	
27.30	3.75	.098	3.93	3.53	21	34.329	.0125	34.352	34.302	21	
27.40	3.32	.095	3.53	3.13	21	34.403	.0106	34.427	34.379	21	
27.50	2.83	.086	3.01	2.66	19	34.472	.0092	34.490	34.451	19	
27.60	2.29	.042	2.33	2.22	8	34.542	.0065	34.546	34.535	8	

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	6	n/a	n/a	n/a	1	487.5	n/a	n/a	n/a	1	
23.20	17	n/a	n/a	n/a	1	468.7	n/a	n/a	n/a	1	
23.40	19	4.2	22	16	2	449.7	.06	449.7	449.6	2	
23.60	18	10.6	26	22	4	430.5	.26	430.7	430.1	4	
23.80	19	7.8	30	28	14	411.4	.21	411.8	411.1	14	
24.00	24	7.2	33	28	21	392.4	.19	392.7	392.1	17	
24.20	27	7.2	36	11	20	373.3	.21	373.6	372.8	20	
24.40	51	6.1	40	24	20	354.3	.24	354.6	353.7	20	
24.60	34	6.4	44	28	21	335.3	.25	335.6	334.7	20	
24.80	38	6.7	51	28	21	316.3	.21	316.7	315.9	21	
25.00	43	7.9	59	38	21	297.4	.19	297.8	297.1	21	
25.20	51	10.0	78	38	21	278.5	.19	279.0	278.2	21	
25.40	65	13.0	100	50	21	259.6	.22	260.2	259.3	21	
25.60	82	13.5	115	62	21	240.7	.25	241.4	240.4	21	
25.80	95	14.4	127	69	21	221.9	.25	222.5	221.5	21	
26.00	108	15.7	140	78	21	203.1	.24	203.6	202.7	21	
26.20	123	15.1	151	93	21	184.4	.20	184.7	184.0	21	
26.40	144	13.6	168	119	21	165.7	.20	166.0	165.3	21	
26.60	192	16.4	230	163	21	147.4	.25	148.1	147.0	21	
26.80	306	20.0	348	276	21	129.4	.27	130.0	128.9	21	
27.00	475	21.0	521	433	21	111.6	.30	112.3	111.0	21	
27.10	578	21.8	621	533	21	102.8	.31	103.3	102.1	21	
27.20	700	23.6	749	646	21	94.1	.28	94.6	93.6	21	
27.30	851	30.2	933	778	21	85.3	.22	85.8	85.0	21	
27.40	1044	36.8	1127	968	21	76.4	.18	76.7	76.1	21	
27.50	1286	48.7	1387	1192	19	67.4	.21	67.7	66.9	19	
27.60	1644	31.4	1707	1608	8	58.3	.18	58.6	58.1	8	

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	17.50	n/a	n/a	n/a	1	484.8	n/a	n/a	n/a	1	
23.20	16.88	n/a	n/a	n/a	1	466.7	n/a	n/a	n/a	1	
23.40	15.77	.502	16.12	15.41	2	447.9	1.56	449.0	446.8	2	
23.60	15.32	.568	15.94	14.57	4	427.7	1.80	429.9	425.6	4	
23.80	14.66	.419	15.22	13.77	14	409.9	.97	410.9	408.3	14	
24.00	13.81	.376	14.27	13.06	20	389.5	2.17	391.8	385.1	17	
24.20	13.07	.493	14.36	12.34	20	369.8	3.42	372.8	361.9	20	
24.40	12.27	.527	13.52	11.52	20	350.9	4.07	353.7	341.6	20	
24.60	11.43	.534	12.66	10.69	20	331.6	3.55	334.6	323.0	20	
24.80	10.63	.510	11.72	9.77	21	313.2	2.75	315.6	306.3	21	
25.00	9.77	.469	10.65	8.92	21	294.9	1.81	296.6	291.3	21	
25.20	8.88	.461	10.21	8.21	21	276.9	.86	277.5	274.8	21	
25.40	8.09	.456	9.39	7.41	21	257.9	.86	258.5	255.0	21	
25.60	7.55	.551	8.65	6.58	21	238.9	.97	239.5	235.1	21	
25.80	7.35	.425	7.98	6.62	21	220.0	.66	220.4	217.8	21	
26.00	7.27	.300	7.72	6.76	21	201.0	.45	201.4	200.1	21	
26.20	7.23	.271	7.68	6.71	21	182.2	.24	182.4	181.7	21	
26.40	7.16	.329	7.77	6.62	21	163.3	.10	163.4	163.1	21	
26.60	6.72	.194	7.02	6.31	21	144.4	.04	144.4	144.3	21	
26.80	5.63	.238	5.89	5.15	21	125.3	.14	125.3	124.8	21	
27.00	4.70	.190	5.04	4.33	21	106.2	.09	106.3	106.0	21	
27.10	4.37	.159	4.61	4.12	21	96.7	.07	96.8	96.5	21	
27.20	4.06	.112	4.21	3.83	21	87.2	.05	87.2	87.1	21	
27.30	3.68	.097	3.87	3.47	21	77.6	.04	77.6	77.5	21	
27.40	3.25	.096	3.46	3.05	21	68.0	.09	68.1	67.8	21	
27.50	2.74	.087	2.92	2.56	19	58.4	.11	58.6	58.2	19	
27.60	2.17	.046	2.22	2.10	8	48.6	.09	48.7	48.4	8	

STATION MP06 SEPTEMBER 1956 to 1990

SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	.280	n/a	n/a	n/a	1	.01	n/a	n/a	n/a	1
23.20	.800	n/a	n/a	n/a	0	.07	n/a	n/a	n/a	1
23.40	.915	.2192	1.070	.760	2	.09	.042	.12	.06	2
23.60	.795	.4986	1.230	.080	4	.09	.067	.16	.00	4
23.80	.831	.3537	1.390	.070	14	.09	.063	.21	.00	14
24.00	1.018	.3118	1.520	.310	17	.13	.070	.25	.01	17
24.20	1.104	.3141	1.640	.420	20	.16	.079	.29	.02	20
24.40	1.248	.2660	1.750	.800	20	.20	.078	.33	.08	20
24.60	1.365	.2701	1.850	.960	20	.24	.091	.39	.11	20
24.80	1.471	.2822	2.050	1.110	21	.28	.101	.49	.16	21
25.00	1.631	.3132	2.290	1.190	21	.35	.131	.63	.18	21
25.20	1.860	.3632	2.760	1.460	21	.46	.189	1.00	.26	21
25.40	2.244	.4405	3.360	1.740	21	.70	.292	.40	.40	21
25.60	2.671	.4584	3.760	1.920	21	1.02	.356	1.99	.58	21
25.80	2.975	.4719	4.030	2.080	21	1.30	.405	2.32	.69	21
26.00	3.254	.4996	4.310	.260	21	1.59	.476	2.70	.82	21
26.20	3.541	.4861	4.530	.560	21	2.44	.512	3.45	1.09	21
26.40	3.918	.4531	4.790	.010	21	3.74	.620	4.82	2.62	21
26.60	4.669	.4343	5.330	.760	21	7.74	1.000	9.65	6.13	21
26.80	6.237	.4469	7.090	.410	21	15.94	.446	18.86	13.20	21
27.00	8.291	.4515	9.160	.760	21	21.97	1.698	25.25	18.54	21
27.10	9.404	.4363	10.170	8.650	21	29.87	2.073	34.18	25.34	21
27.20	10.606	.4354	11.290	9.790	21	40.75	2.943	48.71	34.02	21
27.30	11.971	.4825	12.740	10.980	21	56.11	1.941	65.43	47.81	21
27.40	13.548	.5118	14.320	12.520	21	77.12	5.564	89.48	65.86	19
27.50	15.296	.5618	16.180	14.150	19	111.74	5.068	122.32	105.28	8
27.60	17.641	.5690	18.290	16.760	8					

SIGMA -T.	DELTA DH					ACC. POT.				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	13.063	n/a	n/a	n/a	1	13.338	n/a	n/a	n/a	1
23.20	12.536	n/a	n/a	n/a	1	13.315	n/a	n/a	n/a	1
23.40	12.472	.2843	12.673	12.271	2	13.345	.0983	13.415	13.276	2
23.60	12.405	.6580	13.301	11.768	4	13.154	.3558	13.378	12.630	4
23.80	12.271	.3905	13.192	11.717	14	13.064	.3237	13.748	12.591	14
24.00	12.138	.2886	12.799	11.669	17	13.086	.3329	13.692	12.549	17
24.20	12.052	.2793	12.800	11.623	20	13.049	.3009	13.628	12.505	20
24.40	11.907	.1923	12.185	11.575	20	13.095	.2927	13.557	12.459	20
24.60	11.791	.1734	12.065	11.486	20	12.933	.2836	13.481	12.410	20
24.80	11.657	.1746	11.924	11.382	21	12.850	.2764	13.398	12.358	21
25.00	11.496	.1814	11.740	11.138	21	12.774	.2665	13.301	12.304	21
25.20	11.268	.2222	11.625	10.922	21	12.686	.2533	13.174	12.244	21
25.40	10.885	.2576	11.359	10.400	21	12.579	.2402	13.005	12.156	21
25.60	10.457	.2554	11.066	9.998	21	12.440	.2234	12.801	12.047	21
25.80	10.153	.2630	10.825	9.730	21	12.272	.2073	12.570	11.907	21
26.00	9.875	.2880	10.581	9.454	21	12.080	.1921	12.383	11.720	21
26.20	9.589	.2689	10.293	9.227	21	11.864	.1802	12.208	11.510	21
26.40	9.211	.2135	9.676	8.913	21	11.616	.1699	11.993	11.274	21
26.60	8.459	.1581	8.816	8.237	21	10.872	.1552	11.673	10.987	21
26.80	6.891	.1736	7.175	6.605	21	10.184	.0993	10.421	9.570	21
27.00	4.838	.1643	5.146	4.528	21	9.719	.0818	9.909	9.537	21
27.10	3.724	.1624	4.024	3.438	21	9.159	.0653	9.318	9.008	21
27.20	2.521	.1772	2.902	2.169	21	8.478	.0361	8.566	8.397	21
27.30	1.157	.2390	1.716	.487	21	7.637	.0163	7.665	7.610	21
27.40	-0.418	.2941	1.177	-1.091	21	6.578	.0428	6.653	6.489	19
27.50	-2.174	.3751	-1.449	-2.955	19	5.232	.0658	5.304	5.094	8
27.60	-4.459	.2620	-4.150	-5.022	8					

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	1511	n/a	n/a	n/a	1
23.20	n/a	n/a	n/a	n/a	0	1510	n/a	n/a	n/a	1
23.40	n/a	n/a	n/a	n/a	0	1507	2.1	1508	1505	2
23.60	n/a	n/a	n/a	n/a	0	1505	2.2	1507	1502	4
23.80	6.28	n/a	n/a	n/a	1	1503	1.5	1505	1500	14
24.00	6.26	.290	6.47	6.06	2	1500	1.4	1502	1498	17
24.20	6.41	.297	6.62	6.20	2	1498	1.9	1503	1495	20
24.40	6.53	.311	6.75	6.31	2	1496	2.0	1500	1493	20
24.60	6.63	.290	6.83	6.42	2	1493	1.9	1497	1490	20
24.80	6.71	.283	6.91	6.51	2	1490	2.0	1494	1487	21
25.00	6.56	.0855	6.62	6.50	2	1487	1.9	1490	1483	21
25.20	5.97	.028	6.39	6.35	2	1484	1.8	1489	1481	21
25.40	1.48	.148	6.07	5.86	2	1481	1.9	1486	1478	21
25.60	5.43	.368	5.69	5.17	2	1480	2.2	1484	1476	21
25.80	4.889	.651	5.35	4.43	2	1479	1.8	1482	1476	21
26.00	4.500	.679	4.98	4.02	2	1480	1.6	1481	1477	21
26.20	4.13	.658	4.60	3.67	2	1480	1.6	1482	1478	21
26.40	3.78	.884	4.41	3.16	2	1480	1.2	1483	1479	21
26.60	3.09	1.018	3.81	2.37	2	1477	1.0	1479	1476	21
26.80	2.17	.375	2.43	1.90	2	1476	.9	1478	1475	21
27.00	.93	.014	.94	.92	2	1477	.9	1478	1475	21
27.10	.51	.021	.53	.50	2	1478	.7	1479	1477	21
27.20	.42	.049	.46	.39	2	1479	.4	1480	1478	21
27.30	.36	.071	.41	.31	2	1481	.5	1482	1480	21
27.40	.38	.049	.41	.34	2	1481	.5	1482	1481	19
27.50	.57	.028	.59	.55	2	1482	.5	1483	1481	19
27.60	1.03	.014	1.04	1.02	2	1486	.5	1487	1486	8

STATION MP06 OCTOBER 1956 to 1990

TEMPERATURE					SALINITY					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	13.64	.277	13.96	13.47	3	32.058	.0622	32.128	32.010	10
24.20	13.14	.537	14.35	12.46	10	32.195	.1333	32.494	32.003	12
24.40	12.31	.522	13.78	11.79	12	32.259	.1285	32.610	32.105	12
24.60	11.53	.422	12.73	11.09	12	32.332	.1013	32.610	32.229	12
24.80	10.69	.379	11.73	10.37	13	32.396	.0788	32.610	32.315	13
25.00	9.89	.293	10.61	9.49	16	32.543	.0409	32.614	32.471	16
25.20	9.03	.229	9.45	8.67	16	32.626	.0466	32.713	32.549	16
25.40	8.21	.229	8.63	7.82	16	32.794	.0671	32.874	32.608	16
25.60	7.70	.352	8.17	6.70	16	32.909	.0509	33.063	32.901	16
25.80	7.52	.286	7.77	6.86	16	32.948	.0481	33.119	32.148	16
26.00	7.46	.254	7.81	6.88	16	33.493	.0505	33.589	33.404	16
26.20	7.37	.276	7.89	6.89	16	33.710	.0549	33.792	33.594	16
26.40	7.18	.311	7.64	6.51	16	34.085	.0360	34.927	34.796	16
26.60	6.72	.213	6.97	6.19	16	34.967	.0370	34.048	34.913	15
26.80	5.66	.237	6.12	5.30	15	34.082	.0282	34.129	34.035	14
27.00	4.72	.202	5.06	4.40	14	34.161	.0210	34.202	34.132	14
27.10	4.39	.159	4.69	4.17	14	34.246	.0185	34.279	34.215	13
27.20	4.08	.155	4.33	3.85	13	34.329	.0152	34.364	34.308	13
27.30	3.75	.115	4.02	3.58	13	34.405	.0106	34.433	34.392	13
27.40	3.34	.085	3.58	3.23	13	34.476	.0112	34.508	34.460	13
27.50	2.86	.107	3.16	3.21	13	34.547	.0127	34.580	34.534	10
27.60	2.35	.135	2.69	2.21	10					

DEPTH					SVA					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	392.2	.15	392.4	392.1	10
24.00	14.21	13.72	14	11	10	373.5	.30	374.0	372.9	10
24.20	28.11	11.85	57	16	12	354.3	.28	354.8	353.9	12
24.40	32.11	11.62	62	19	12	335.2	.27	335.8	334.8	12
24.60	35.11	11.97	67	22	16	316.2	.27	316.9	315.8	13
25.00	39.10	10.72	72	27	16	297.1	.27	298.1	297.0	16
25.20	45.12	8.65	86	31	16	278.4	.23	279.1	278.2	16
25.40	55.16	10.6	106	42	16	259.5	.27	260.3	259.2	16
25.60	69.17	12.5	125	54	16	240.6	.30	241.6	240.4	16
25.80	81.16	13.4	134	69	16	221.8	.26	222.6	221.5	16
26.00	94.14	14.0	141	82	16	203.0	.20	203.6	202.7	16
26.20	108.12	14.4	149	97	16	184.2	.16	184.7	183.9	16
26.40	129.13	14.4	173	114	16	165.5	.18	166.0	165.3	16
26.60	179.17	17.22	156	106	10	147.2	.24	147.7	146.8	16
26.80	305.27	24.36	243	150	10	129.3	.33	130.0	128.9	15
27.00	481.34	34.31	406	14	10	111.6	.45	112.2	110.9	14
27.10	582.36	6.629	507	14	10	102.8	.41	103.2	102.2	14
27.20	704.39	7.666	621	13	10	94.0	.35	94.5	93.4	13
27.30	847.44	9.188	737	13	10	85.3	.32	85.7	84.7	13
27.40	1027.50	16.990	900	10	10	76.4	.29	76.7	76.0	13
27.50	1265.63	15.45	100	10	10	67.3	.17	67.6	67.1	13
27.60	1579.115.6	17.600	1320	10	10	58.1	.24	58.4	57.7	10

THETA					SVA (THETA)					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	390.6	1.23	391.7	389.3	10
24.00	13.64	.277	13.96	13.47	3	371.0	2.19	372.6	366.0	10
24.20	13.13	.538	14.35	12.45	10	351.2	2.54	353.5	345.7	12
24.40	12.31	.523	13.78	11.79	12	332.0	2.57	334.5	325.3	12
24.60	11.53	.421	12.73	11.09	12	313.1	2.16	314.9	307.1	13
24.80	10.68	.381	11.73	10.36	16	294.6	1.86	296.4	290.6	16
25.00	9.89	.294	10.61	9.48	16	276.2	1.13	277.4	273.7	16
25.20	9.03	.228	9.45	8.66	16	258.1	.57	258.5	256.3	16
25.40	8.20	.227	8.63	7.82	16	238.7	.72	239.5	237.3	16
25.60	7.70	.352	8.15	6.69	16	220.2	.32	220.5	219.5	16
25.80	7.51	.286	7.76	6.85	16	201.0	.42	201.4	200.3	16
26.00	7.45	.254	7.80	6.87	16	182.1	.24	182.4	181.7	16
26.20	7.36	.276	7.88	6.88	16	163.3	.14	163.4	162.9	16
26.40	7.17	.312	7.63	6.50	16	144.4	.04	144.4	144.3	16
26.60	6.71	.214	6.95	6.17	16	125.2	.12	125.3	124.9	15
26.80	5.63	.238	6.10	5.27	15	106.1	.11	106.3	106.0	14
27.00	4.69	.202	5.03	4.36	14	96.7	.08	96.8	96.5	14
27.10	4.34	.156	4.65	4.13	14	87.1	.07	87.2	87.0	13
27.20	4.03	.135	4.28	3.80	13	77.6	.04	77.7	77.5	13
27.30	3.69	.117	3.97	3.52	13	68.0	.11	68.1	67.8	13
27.40	3.27	.086	3.51	3.15	13	58.4	.12	58.6	58.2	13
27.50	2.77	.111	3.08	2.61	13	48.7	.17	49.0	48.5	10
27.60	2.24	.144	2.60	2.09	10					

STATION MP06 OCTOBER 1956 to 1990

DELTA D						POT. ENERGY				
SIGMA -T-	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	.567	.2194	.820	.440	0	.05	.038	.090	.02	0
24.20	.814	.5309	2.020	1.40	100	.12	.159	.54	.00	100
24.40	1.070	.4475	2.200	.620	12	.18	.165	.64	.05	12
24.60	1.190	.4474	2.360	.720	14	.22	.185	.74	.07	14
24.80	1.299	.4385	2.520	.840	16	.25	.194	.84	.09	16
25.00	1.367	.4133	2.690	.980	16	.29	.199	.97	.13	16
25.20	1.552	.4608	3.100	1.080	16	.37	.263	1.30	.16	16
25.40	1.823	.5539	3.620	1.380	16	.52	.378	1.81	.28	16
25.60	2.171	.5907	4.100	1.680	16	.75	.473	2.38	.42	16
25.80	2.453	.5766	4.310	2.030	16	.96	.499	2.66	.65	16
26.00	2.731	.5377	4.470	2.330	16	1.21	.491	2.88	1.13	16
26.20	3.006	.5018	4.620	2.580	16	1.49	.478	3.11	1.49	16
26.40	3.373	.5033	5.030	2.910	16	1.94	.535	3.79	2.30	16
26.60	4.153	.5156	5.790	3.540	16	3.18	.695	5.32	2.30	16
26.80	5.886	.5702	7.480	2.250	16	7.50	1.296	10.19	5.15	15
27.00	8.042	.6269	9.490	7.220	14	16.12	2.266	19.54	11.68	14
27.10	9.139	.6242	10.480	8.310	14	22.11	2.733	25.85	16.78	14
27.20	10.378	.6546	11.790	9.430	14	30.16	3.461	35.67	23.28	13
27.30	11.673	.6994	13.120	10.480	14	40.51	4.363	47.62	30.62	13
27.40	13.138	.7520	14.670	11.800	14	54.64	5.534	62.25	41.65	13
27.50	14.872	.8412	16.680	13.250	10	75.11	7.521	85.05	56.55	10
27.60	16.822	1.1692	18.910	14.640	10	104.07	13.968	119.98	73.82	10

DELTA DH						ACC. POT.				
SIGMA -T-	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	12.381	3412	12.677	12.008	13	12.939	1463	13.103	12.821	13
24.20	12.197	2848	12.577	11.820	13	12.973	4192	13.997	12.474	11
24.40	11.870	3811	12.483	10.978	11	12.872	3814	13.892	12.422	11
24.60	11.748	3704	12.395	10.914	11	12.814	3682	13.778	12.342	11
24.80	11.641	3603	12.272	10.854	13	12.750	3550	13.656	12.260	13
25.00	11.475	3429	12.100	10.761	13	12.620	3451	13.525	12.173	13
25.20	11.279	3509	11.827	10.638	13	12.542	3428	13.379	12.079	13
25.40	10.987	4297	11.505	10.264	13	12.447	3176	13.198	11.973	13
25.60	10.625	4361	11.169	9.827	13	12.328	3027	12.977	11.833	13
25.80	10.333	4201	10.858	9.473	13	12.183	2906	12.729	11.661	13
26.00	10.062	3735	10.567	9.275	13	12.014	2823	12.468	11.464	13
26.20	9.799	3210	10.243	9.087	13	11.821	2756	12.216	11.253	13
26.40	9.411	2944	9.772	8.713	13	11.600	591	11.993	11.015	13
26.60	8.628	1822	8.828	8.257	13	11.320	567	11.702	10.735	13
26.80	6.880	1785	7.224	6.569	13	10.895	2252	11.222	10.382	13
27.00	4.757	2408	5.255	4.429	13	10.190	1732	10.437	9.803	13
27.10	3.660	2626	4.166	3.342	13	9.716	1406	9.917	9.402	13
27.20	2.472	2957	3.043	1.998	13	9.464	1061	9.304	8.910	13
27.30	1.174	3414	1.991	617	13	8.464	6962	7.660	7.580	13
27.40	-0.290	3922	0.678	-0.798	13	6.587	0249	6.686	6.520	13
27.50	-2.023	4863	-0.771	-2.632	13	5.290	0407	5.550	5.150	10
27.60	-3.992	8180	-2.160	-4.863	10					

OXYGEN						SOUND				
SIGMA -T-	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	6.25	.035	6.31	6.26	1	1500	1.2	1501	1499	1
24.20	6.293	.028	6.32	6.28	2	1498	1.9	1502	1496	12
24.40	6.34	.078	6.39	6.28	2	1496	2.1	1501	1493	12
24.60	6.43	.127	6.43	6.07	4	1493	1.8	1498	1491	13
24.80	6.20	.182	6.46	6.07	4	1490	1.5	1494	1489	16
25.00	6.12	.258	6.48	5.91	4	1487	1.2	1490	1486	16
25.20	6.02	.341	6.49	5.74	4	1485	1.0	1486	1483	16
25.40	5.52	.162	5.70	5.31	4	1482	1.1	1484	1480	16
25.60	4.96	.313	5.34	4.58	4	1480	1.6	1483	1476	16
25.80	4.56	.114	4.41	4.19	4	1480	1.4	1482	1477	16
26.00	4.44	.78	1.52	3.97	4	1480	1.1	1481	1477	16
26.20	4.00	.344	3.77	3.01	4	1480	1.3	1482	1477	16
26.40	1.96	.133	2.13	1.83	4	1479	1.9	1481	1478	16
26.60	1.90	.360	2.31	1.63	4	1477	1.0	1478	1476	14
26.80	1.95	.183	1.11	.77	4	1477	1.0	1478	1475	14
27.00	1.96	.090	.67	.50	4	1477	.9	1478	1476	14
27.20	1.95	.044	.44	.36	3	1477	.6	1478	1476	13
27.30	1.95	.015	.32	.29	3	1479	.6	1480	1478	13
27.40	1.95	.042	.38	.36	3	1480	.7	1481	1479	13
27.50	1.95	.055	.58	.48	3	1482	1.8	1483	1481	13
27.60	1.91	.069	1.05	.93	3	1486	1.0	1487	1483	10

STATION MP06 NOVEMBER 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	10.56	.124	10.74	10.38	11	32.338	.0283	32.383	32.298	11	
24.80	9.83	.199	10.04	9.34	9	32.452	.0519	32.514	32.330	9	
25.00	9.14	.239	9.50	8.56	11	32.563	.0590	32.690	32.435	11	
25.20	8.46	.318	9.10	8.00	12	32.681	.0747	32.852	32.581	12	
25.40	8.08	.396	8.74	7.32	12	32.860	.0788	33.000	32.714	12	
25.60	7.88	.448	8.54	6.95	11	33.077	.0848	33.209	32.906	11	
26.00	7.74	.466	8.47	6.76	11	33.305	.0858	33.442	33.126	11	
26.20	7.54	.367	8.16	6.81	11	33.522	.0676	33.642	33.392	11	
26.40	7.30	.310	7.87	6.91	11	33.731	.0563	33.836	33.662	11	
26.60	6.82	.234	7.26	6.51	11	33.902	.0410	33.979	33.848	11	
26.80	5.58	.158	5.96	5.38	11	33.954	.0244	34.013	34.922	11	
27.00	4.64	.157	4.96	4.42	11	34.069	.0219	34.116	34.059	11	
27.10	4.30	.130	4.56	4.15	10	34.149	.0176	34.186	34.128	10	
27.20	4.02	.128	4.18	3.83	10	34.237	.0168	34.260	34.213	10	
27.30	3.71	.112	3.92	3.55	10	34.324	.0149	34.351	34.304	10	
27.40	3.33	.104	3.53	3.18	10	34.403	.0133	34.427	34.385	10	
27.50	2.99	.080	3.00	2.79	6	34.480	.0084	34.490	34.470	6	
27.60	2.28	n/a	n/a	n/a	1	34.542	n/a	n/a	n/a	1	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	4.3	.17	61	40	11	316.5	.33	316.9	315.7	11	
24.80	5.66	.52	65	48	9	297.6	.16	297.9	297.4	9	
25.00	5.08	.44	70	45	11	278.6	.18	278.9	278.4	11	
25.20	6.88	.44	81	49	12	259.6	.18	259.9	259.4	12	
25.40	8.00	.77	92	68	12	240.8	.15	241.1	240.6	12	
25.60	9.92	.75	102	81	11	222.0	.15	222.2	221.7	11	
25.80	10.3	.75	113	92	11	203.2	.16	203.4	202.9	11	
26.00	11.9	.70	128	106	11	184.4	.14	184.6	184.2	11	
26.20	14.1	.88	152	126	11	165.8	.21	166.1	165.5	11	
26.40	19.4	.24	258	166	11	147.4	.45	148.3	147.0	11	
26.60	31.6	.34	380	280	11	129.4	.51	130.5	129.0	11	
27.00	48.2	.40	570	431	11	111.5	.56	112.8	111.0	11	
27.10	56.6	.29	637	524	10	102.5	.40	103.6	102.2	10	
27.20	68.3	.28	742	632	10	93.8	.29	94.5	93.5	10	
27.30	83.2	.28	871	772	10	85.1	.28	85.8	84.8	10	
27.40	102.1	.42	1098	953	10	76.3	.26	76.9	75.9	10	
27.50	124.3	.26	1292	1216	6	67.3	.15	67.5	67.1	6	
27.60	165.3	n/a	n/a	n/a	1	58.3	n/a	n/a	n/a	1	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	10.56	.124	10.73	10.37	11	315.1	.57	315.7	314.2	11	
24.80	9.83	.199	10.03	9.33	9	295.0	1.82	296.5	292.1	9	
25.00	9.13	.239	9.49	7.55	11	276.3	1.67	277.5	272.2	11	
25.20	8.46	.317	9.09	7.99	12	257.7	1.32	258.5	254.2	12	
25.40	8.07	.396	8.73	7.31	12	238.9	.70	239.5	237.5	12	
25.60	7.87	.446	8.53	6.95	11	220.0	.42	220.5	219.4	11	
26.00	7.73	.466	8.46	6.75	11	201.1	.29	201.5	200.6	11	
26.20	7.53	.367	8.15	6.80	11	182.2	.22	182.4	181.9	11	
26.40	7.28	.311	7.86	6.89	11	163.4	.05	163.4	163.3	11	
26.60	6.80	.233	7.24	6.49	11	144.4	.04	144.4	144.3	11	
26.80	5.55	.154	5.92	5.35	11	125.3	.11	125.4	125.0	11	
27.00	4.60	.154	4.92	4.39	11	106.2	.10	106.3	106.0	11	
27.10	4.25	.127	4.51	4.10	10	96.7	.09	96.8	96.5	10	
27.20	3.96	.126	4.13	3.78	10	87.2	.06	87.2	87.0	10	
27.30	3.65	.113	3.86	3.49	10	77.6	.05	77.7	77.6	10	
27.40	2.86	.105	3.46	3.10	6	68.6	.11	68.1	67.8	6	
27.50	2.81	.080	2.91	2.70	6	58.4	.07	58.5	58.3	6	
27.60	2.16	n/a	n/a	n/a	1	48.5	n/a	n/a	n/a	1	

STATION MP06 NOVEMBER 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	1.402	.5656	1.990	.000	11	.36	.181	.62	.00	11	
25.00	1.804	.1721	2.110	1.570	9	.52	.098	.70	.39	9	
25.20	1.876	.3011	2.230	1.310	11	.58	.164	.78	.31	11	
25.40	2.073	.3376	2.550	1.410	12	.72	.202	1.02	.36	12	
25.60	2.382	.2741	2.830	1.980	12	.95	.190	1.27	.70	12	
25.80	2.670	.2776	3.010	2.150	11	1.20	.209	1.46	.88	11	
26.00	2.914	.2771	2.210	2.380	11	1.44	.226	1.73	1.09	11	
26.20	3.226	.2732	2.530	2.670	11	1.79	.234	2.07	1.38	11	
26.40	3.609	.2908	3.910	3.020	11	2.31	.280	2.59	1.80	11	
26.60	4.435	.4862	5.100	3.700	11	3.76	.840	5.19	2.76	11	
26.80	6.135	.6108	7.100	5.210	11	8.23	1.766	11.46	6.30	11	
27.00	8.143	.6777	9.490	7.250	11	16.46	2.944	22.91	13.14	11	
27.10	9.016	.5272	10.060	8.260	10	21.19	2.391	26.98	18.06	10	
27.20	10.171	.5084	11.120	9.520	10	28.60	2.630	34.43	24.37	10	
27.30	11.517	.5153	12.290	10.760	10	39.07	2.946	44.17	33.49	10	
27.40	13.048	.6219	13.580	12.250	10	53.69	4.518	60.81	46.47	10	
27.50	14.455	.4677	15.260	13.940	6	71.56	3.286	77.38	67.83	6	
27.60	17.540	n/a	n/a	n/a	1	111.94	n/a	n/a	n/a	1	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	11.597	.6479	13.023	10.955	10	12.945	.2199	13.238	12.456	10	
25.00	11.135	.2747	11.726	10.878	8	12.802	.2406	13.149	12.364	8	
25.20	10.969	.3050	11.667	10.661	9	12.652	.2498	13.056	12.266	9	
25.40	10.702	.3087	11.429	10.363	10	12.497	.2558	12.960	12.162	10	
25.60	10.407	.2914	11.192	10.185	10	12.358	.2497	12.840	12.034	10	
25.80	10.125	.2754	10.860	9.836	10	12.194	.2468	12.697	11.877	10	
26.00	9.886	.2705	10.618	9.667	10	12.008	.2447	12.531	11.697	10	
26.20	9.580	.2266	10.183	9.324	10	11.798	.2417	12.336	11.491	10	
26.40	9.223	.1561	9.591	8.950	10	11.557	.2355	12.096	11.252	10	
26.60	8.443	.1606	8.684	8.208	10	11.262	.2158	11.760	10.964	10	
26.80	6.773	.2391	8.044	6.223	10	10.818	.1755	11.218	10.544	10	
27.00	4.802	.2363	5.086	4.220	10	10.116	.1244	10.399	9.914	10	
27.10	3.796	.2288	4.084	3.227	10	9.651	.0991	9.876	9.490	10	
27.20	2.641	.2224	3.019	2.175	10	9.100	.0691	9.250	8.979	10	
27.30	1.295	.2175	1.753	1.000	10	8.440	.0477	8.547	8.368	10	
27.40	-0.237	.3290	2.289	-0.834	10	7.627	.0221	7.675	7.590	10	
27.50	-1.832	.2025	-1.628	-2.205	6	6.624	.0284	6.654	6.582	6	
27.60	-4.489	n/a	n/a	n/a	1	5.257	n/a	n/a	n/a	1	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	6.22	.007	6.23	6.22	2	14.90	.080	14.91	14.89	11	
25.00	5.96	.276	6.16	5.77	2	14.87	1.00	14.88	14.85	9	
25.20	5.74	.530	6.11	5.36	2	14.85	1.00	14.87	14.83	11	
25.40	5.41	.601	5.84	4.99	2	14.83	1.03	14.85	14.81	12	
25.60	4.99	.481	5.33	4.65	2	14.82	1.05	14.84	14.79	11	
25.80	4.54	.460	4.87	4.22	2	14.82	1.08	14.84	14.78	11	
26.00	4.10	.481	4.44	3.76	2	14.81	2.00	14.84	14.77	11	
26.20	3.61	.665	4.08	3.14	2	14.81	1.7	14.84	14.78	11	
26.40	3.11	.955	3.78	2.43	2	14.81	1.3	14.83	14.79	11	
26.60	2.80	.714	3.31	2.30	2	14.80	1.1	14.80	14.76	11	
27.00	2.099	.127	2.18	2.00	1	14.77	1.2	14.79	14.75	10	
27.10	.81	.000	.81	.81	1	14.76	1.0	14.79	14.76	10	
27.20	.60	n/a	n/a	n/a	1	14.77	.8	14.79	14.76	10	
27.30	.38	n/a	n/a	n/a	1	14.78	.7	14.80	14.78	10	
27.40	.43	n/a	n/a	n/a	1	14.80	.6	14.81	14.79	10	
27.50	.66	n/a	n/a	n/a	1	14.82	.0	14.82	14.82	6	
27.60	1.11	n/a	n/a	n/a	1	14.86	n/a	n/a	n/a	1	

STATION MP06 DECEMBER 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	10.42	.537	11.00	9.62	55	32.304	.1175	32.433	32.130	155	
25.00	9.51	.488	10.36	8.60	15	32.376	.0976	32.546	32.188	156	
25.20	8.98	.414	9.81	8.34	16	32.532	.0859	32.685	32.398	156	
25.40	8.44	.467	9.24	7.78	16	32.684	.1021	32.860	32.552	156	
25.60	7.97	.566	9.00	7.16	16	32.850	.1143	32.944	32.686	156	
25.80	7.70	.569	8.94	6.91	16	33.047	.1086	32.279	32.898	156	
26.00	7.55	.556	8.00	6.90	16	33.273	.1027	33.544	33.153	156	
26.20	7.42	.475	8.55	6.81	16	33.503	.0866	33.708	33.390	156	
26.40	7.25	.401	8.11	6.84	16	33.724	.0728	33.882	33.649	156	
26.60	6.80	.319	7.31	6.37	16	33.898	.0552	33.988	33.825	156	
26.80	5.77	.288	6.17	5.24	16	33.984	.0453	34.051	33.902	156	
27.00	4.80	.164	5.02	4.55	16	34.093	.0236	34.125	34.057	156	
27.10	4.43	.114	4.61	4.27	16	34.167	.0163	34.192	34.145	156	
27.20	4.09	.095	4.20	3.94	16	34.247	.0125	34.261	34.226	156	
27.30	3.74	.088	3.87	3.61	16	34.328	.0121	34.345	34.311	156	
27.40	3.33	.087	3.51	3.18	16	34.403	.0091	34.424	34.387	156	
27.50	2.82	.110	3.03	2.71	15	34.471	.0120	34.493	34.460	155	
27.60	2.21	.043	2.29	2.19	5	34.534	.0051	34.541	34.531	5	
DEPTH						SVA					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	43	19.3	60	10	55	316.5	.39	316.99	315.9	155	
25.00	44	10.6	64	22	15	297.4	.24	297.9	297.0	156	
25.20	52	8.2	68	36	16	278.4	.16	278.7	278.1	156	
25.40	58	7.4	72	44	16	259.4	.16	259.7	259.2	156	
25.60	67	8.8	83	48	16	240.5	.18	240.9	240.2	156	
25.80	77	10.1	99	62	16	221.7	.20	222.1	221.4	156	
26.00	90	10.5	107	73	16	202.9	.18	203.3	202.7	156	
26.20	105	10.6	122	89	16	184.2	.21	184.7	183.9	156	
26.40	130	17.1	169	111	16	165.6	.34	166.4	165.2	156	
26.60	188	33.5	272	150	16	147.4	.59	148.8	146.7	156	
26.80	324	48.8	436	265	16	129.7	.77	131.5	128.9	156	
27.00	502	53.5	630	441	16	111.9	.70	113.5	111.1	156	
27.10	606	47.7	714	556	16	103.1	.58	104.3	102.4	156	
27.20	726	41.6	816	679	16	94.2	.47	95.1	93.6	156	
27.30	868	40.6	944	804	16	85.4	.37	86.2	84.9	156	
27.40	1049	46.3	1155	973	16	76.5	.35	77.2	76.0	156	
27.50	1281	58.4	1382	1176	15	67.3	.23	67.6	67.0	155	
27.60	1652	12.2	1673	1643	5	58.0	.13	58.2	57.9	5	
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	10.42	.533	10.99	9.62	55	315.5	.14	315.7	315.4	155	
25.00	9.51	.486	10.35	8.60	15	295.9	.84	296.6	293.6	156	
25.20	8.97	.411	9.80	8.34	16	276.2	1.22	277.4	273.8	156	
25.40	8.43	.467	9.23	7.77	16	257.1	1.67	258.5	254.0	156	
25.60	7.97	.567	8.99	7.15	16	238.3	1.47	239.5	234.7	156	
25.80	7.70	.569	8.99	6.90	16	219.9	1.00	220.5	217.1	156	
26.00	7.54	.556	8.99	6.89	16	201.1	.37	201.5	200.2	156	
26.20	7.41	.474	8.53	6.79	16	182.1	.27	182.4	181.4	156	
26.40	7.24	.401	8.10	6.82	16	163.3	.14	163.4	163.0	156	
26.60	6.78	.318	7.29	6.35	16	144.3	.09	144.4	144.1	156	
26.80	5.74	.283	6.14	5.32	16	125.2	.16	125.3	124.9	156	
27.00	4.76	.161	4.98	4.52	16	106.1	.13	106.3	105.9	156	
27.10	4.39	.109	4.55	4.23	16	96.6	.08	96.7	96.5	156	
27.20	4.04	.094	4.14	3.88	16	87.1	.06	87.2	87.0	156	
27.30	3.68	.089	3.81	3.54	16	77.6	.04	77.6	77.5	156	
27.40	3.25	.085	3.43	3.11	16	68.0	.09	68.1	67.8	156	
27.50	2.73	.113	2.94	2.62	15	58.4	.11	58.6	58.3	153	
27.60	2.10	.038	2.17	2.08	5	48.6	.06	48.7	48.6	5	

STATION MP06 DECEMBER 1956 to 1990

DELTA D					POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.80	1.372	.6254	1.950	.320	55	.35	.214	.60	.02	15
25.00	1.387	.3544	2.070	.670	15	.33	.156	.68	.07	16
25.20	1.623	.2683	2.180	1.090	16	.44	.136	.75	.20	16
25.40	1.772	.2400	2.280	1.360	16	.53	.134	.82	.30	16
25.60	1.989	.2719	2.500	1.470	16	.67	.176	1.02	.35	16
25.80	2.235	.3010	2.860	1.770	16	.85	.230	1.35	.52	16
26.00	2.498	.3021	2.040	2.090	16	1.08	.255	1.54	.74	16
26.20	2.796	.2962	3.00	2.390	16	1.38	.277	1.86	1.00	16
26.40	3.232	.3785	1.940	2.760	16	1.92	.472	2.93	1.40	16
26.60	4.140	.6384	1.580	2.360	16	3.46	1.237	6.63	2.20	16
26.80	6.026	.8513	1.890	2.080	16	8.48	2.629	14.98	5.75	16
27.00	8.189	.9206	10.280	7.140	16	17.64	4.107	28.05	13.44	16
27.10	9.319	.8688	11.210	8.390	16	24.04	4.335	34.47	19.75	16
27.20	10.514	.8023	12.230	9.710	16	32.20	4.451	42.49	27.87	16
27.30	11.801	.7827	13.410	10.880	16	42.74	4.863	53.12	36.63	16
27.40	13.281	.8030	14.970	12.260	16	57.34	5.857	69.86	49.25	16
27.50	14.816	.6807	16.030	13.750	16	76.78	6.553	86.80	65.56	13
27.60	17.054	.2839	17.510	16.780	5	111.76	2.345	114.74	109.88	5

DELTA DH					ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.80	11.767	.3257	12.216	11.459	15	13.122	.4729	13.542	12.321	15
25.00	11.435	.3264	12.170	10.903	15	12.760	.4767	13.734	12.237	16
25.20	11.194	.3341	12.030	10.817	16	12.664	.4486	13.629	12.186	16
25.40	11.044	.3434	11.901	10.631	16	12.558	.4388	13.515	12.094	16
25.60	10.827	.3665	11.781	10.422	16	12.442	.4289	13.394	11.979	16
25.80	10.579	.4021	11.630	10.181	16	12.306	.4208	13.263	11.849	16
26.00	10.317	.4032	11.315	9.890	16	12.149	.4150	13.113	11.697	16
26.20	10.020	.3659	10.901	9.593	16	11.966	.4079	12.932	11.531	16
26.40	9.583	.2932	10.216	9.239	16	11.749	.3966	12.693	11.343	16
26.60	8.674	.2586	9.134	8.159	16	11.470	.3648	12.305	11.107	16
26.80	6.790	.3833	7.341	5.921	16	11.022	.2939	11.697	10.739	16
27.00	4.627	.4470	5.150	3.524	16	10.291	.2006	10.732	10.094	16
27.10	3.497	.3904	3.930	2.594	16	9.797	.1495	10.110	9.640	16
27.20	2.301	.3284	2.642	1.574	16	9.205	.1027	9.403	9.073	16
27.30	1.014	.3226	1.511	.399	16	8.497	.0606	8.614	8.418	16
27.40	-0.466	.3729	-1.134	-1.166	16	7.638	.0246	7.686	7.599	16
27.50	-2.136	.4475	-1.333	-2.898	16	6.571	.0437	6.638	6.506	13
27.60	-4.481	.0923	-4.401	-4.620	5	5.212	.0320	5.243	5.158	5

OXYGEN					SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	n/a	n/a	n/a	n/a	0	1489	2.7	1492	1485	15
24.80	n/a	n/a	n/a	n/a	0	1486	2.0	1489	1482	16
25.00	n/a	n/a	n/a	n/a	0	1484	1.9	1488	1481	16
25.20	n/a	n/a	n/a	n/a	0	1483	1.9	1486	1480	16
25.40	n/a	n/a	n/a	n/a	0	1481	2.3	1485	1478	16
25.60	n/a	n/a	n/a	n/a	0	1480	2.3	1486	1477	16
25.80	n/a	n/a	n/a	n/a	0	1481	2.2	1486	1478	16
26.00	n/a	n/a	n/a	n/a	0	1480	1.9	1485	1479	16
26.20	n/a	n/a	n/a	n/a	0	1480	1.7	1483	1478	16
26.40	n/a	n/a	n/a	n/a	0	1478	1.9	1482	1476	16
26.60	n/a	n/a	n/a	n/a	0	1477	1.3	1480	1476	16
26.80	n/a	n/a	n/a	n/a	0	1478	1.2	1480	1476	16
27.00	n/a	n/a	n/a	n/a	0	1478	1.0	1480	1477	16
27.10	n/a	n/a	n/a	n/a	0	1479	0.9	1481	1478	16
27.20	n/a	n/a	n/a	n/a	0	1481	0.8	1482	1480	16
27.30	n/a	n/a	n/a	n/a	0	1482	0.8	1486	1481	16
27.40	n/a	n/a	n/a	n/a	0	1486	0.8	1486	1486	16
27.50	n/a	n/a	n/a	n/a	0					0
27.60	n/a	n/a	n/a	n/a	0					0

Table 20. As in Table 12, for Station 5 (P08).

Table 20 : STATION MP08 ALL DATA (JANUARY-DECEMBER) 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	11.20	3.019	17.30	2.93	209	32.287	.2717	34.428	31.224	209
10	11.16	2.915	17.21	6.00	208	32.280	.2152	32.679	31.212	208
20	10.90	2.721	16.93	6.01	208	32.314	.1839	32.684	31.731	208
30	10.28	2.263	15.89	6.00	208	32.363	.1592	32.696	31.785	208
50	8.75	1.122	12.41	5.99	208	32.487	.1162	33.020	32.059	208
75	7.83	.691	10.22	6.16	208	32.702	.2370	33.590	32.376	208
100	7.47	.555	10.21	6.18	208	32.080	.3041	33.804	32.451	208
125	7.28	.492	10.29	6.46	208	32.473	.2176	33.941	32.848	208
150	7.11	.448	9.90	6.41	208	32.717	.1238	34.010	33.297	208
175	6.88	.424	9.36	6.20	207	32.832	.0707	34.031	33.551	207
200	6.63	.421	8.87	5.90	207	32.885	.0478	34.049	33.707	207
225	6.37	.409	8.50	5.53	207	32.910	.0399	34.050	33.798	207
250	6.11	.411	8.13	5.24	206	32.926	.0383	34.060	33.819	206
300	5.67	.399	7.49	4.84	204	32.951	.0378	34.089	33.862	204
400	5.03	.352	6.51	4.31	198	32.916	.0352	34.115	33.924	198
500	4.59	.256	5.83	4.08	185	32.902	.0344	34.209	34.006	185
600	4.28	.169	5.09	3.83	184	32.170	.0328	34.273	34.075	184
700	4.03	.120	4.46	3.63	184	32.238	.0316	34.323	34.129	184
800	3.80	.102	4.17	3.47	183	32.297	.0289	34.370	34.189	183
900	3.58	.086	3.87	3.33	182	32.348	.0261	34.420	34.254	182
1000	3.37	.081	3.62	3.16	182	32.390	.0227	34.465	34.333	182
1200	3.97	.069	2.90	2.76	171	32.451	.0226	34.538	34.381	171
1500	2.45	.047	2.59	2.33	111	32.518	.0169	34.557	34.467	111
2000	1.94	.030	1.99	1.86	45	32.594	.0110	34.615	34.566	45
2500	1.75	.027	1.78	1.69	8	32.636	.0056	34.650	34.629	8
SIGMA T										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.609	.6950	27.457	22.940	209	333.9	66.20	493.1	63.3	209
10	24.614	.6470	25.559	23.166	208	333.6	61.69	471.7	243.6	208
20	24.691	.5857	25.559	23.370	208	326.5	55.88	452.6	243.8	208
30	24.847	.4694	25.564	23.599	208	311.9	44.81	431.0	243.4	208
50	25.208	.2195	25.797	24.255	208	327.7	20.98	368.7	221.6	208
75	25.516	.2315	26.286	25.056	208	248.7	22.05	292.7	175.6	208
100	25.864	.2650	26.467	25.064	208	215.9	25.20	292.5	158.7	208
125	26.199	.1985	26.566	25.258	208	184.5	18.88	274.5	149.7	208
150	26.415	.1252	26.628	25.662	208	164.4	11.94	236.6	144.1	208
175	26.536	.0897	26.680	25.945	207	153.2	8.61	209.8	139.4	207
200	26.612	.0722	26.745	26.148	207	146.3	6.98	191.2	133.5	207
225	26.666	.0606	26.789	26.309	207	141.4	5.90	176.3	129.7	207
250	26.712	.0538	26.825	26.401	206	137.3	5.27	167.7	126.3	206
300	26.787	.0469	26.894	26.543	204	130.5	4.65	154.8	120.1	204
400	26.914	.0427	27.002	26.731	198	119.1	4.25	137.7	110.5	198
500	27.025	.0387	27.110	26.856	185	109.3	3.86	126.6	100.7	185
600	27.120	.0320	27.206	26.985	184	100.9	3.14	114.7	92.8	184
700	27.200	.0284	27.271	27.093	184	93.9	2.76	104.3	87.0	184
800	27.270	.0260	27.334	27.171	183	87.7	2.52	97.2	81.5	183
900	27.332	.0229	27.382	27.246	182	82.2	2.23	90.6	77.5	182
1000	27.386	.0199	27.449	27.319	182	77.5	1.95	84.3	71.6	182
1200	27.472	.0194	27.544	27.417	171	69.7	1.85	75.2	63.0	171
1500	27.571	.0145	27.604	27.527	111	60.5	1.40	64.8	57.2	111
2000	27.674	.0098	27.697	27.651	45	51.1	.97	53.2	48.6	45
2500	27.722	.0055	27.732	27.713	8	47.5	.58	48.4	46.6	8
THETA										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	11.20	3.019	17.30	2.93	209	333.9	66.20	493.1	63.3	209
10	11.16	2.915	17.21	6.00	208	333.4	61.63	471.5	243.5	208
20	10.90	2.721	16.93	6.01	208	326.0	55.78	452.0	243.5	208
30	10.28	2.263	15.89	6.00	208	311.2	44.69	430.1	243.0	208
50	8.75	1.119	12.40	5.99	208	276.8	20.88	367.5	220.8	208
75	7.83	.691	10.21	6.15	208	247.5	22.01	291.2	174.3	208
100	7.46	.554	10.20	6.17	208	214.3	25.18	290.4	157.1	208
125	7.27	.491	10.27	6.45	208	182.5	18.85	271.9	147.7	208
150	7.09	.447	9.88	6.39	208	162.0	11.88	233.4	141.8	208
175	6.87	.424	9.34	6.19	207	150.5	8.50	206.2	136.9	207
200	6.61	.420	8.85	5.88	207	143.3	6.83	187.2	130.6	207
225	6.35	.409	8.48	5.51	207	138.1	5.73	171.9	126.4	207
250	6.09	.410	8.11	5.22	206	133.8	5.08	163.1	123.1	206
300	5.64	.397	7.46	4.82	204	126.6	4.44	149.6	116.4	204
400	5.06	.351	6.48	4.29	198	114.5	4.02	131.7	106.1	198
500	4.55	.255	5.79	4.04	185	103.9	3.65	119.8	95.9	185
600	4.23	.168	5.04	3.79	184	94.9	3.02	107.6	86.7	184
700	3.98	.120	4.40	3.58	184	87.2	2.69	97.3	80.5	184
800	3.74	.102	4.11	3.41	183	80.5	2.45	89.9	74.5	183
900	3.51	.085	3.81	2.26	182	74.6	2.17	82.7	69.9	182
1000	3.30	.081	3.55	2.09	182	69.4	1.88	75.8	63.5	182
1200	2.88	.067	3.11	2.68	171	61.2	1.81	66.4	54.4	171
1500	2.35	.046	2.49	2.23	111	51.7	1.36	56.0	48.7	111
2000	1.80	.030	1.85	1.72	45	41.9	.91	44.0	39.7	45
2500	1.57	.028	1.60	1.51	8	37.0	.51	37.8	36.1	8
SVA (THETA)										
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	11.20	3.019	17.30	2.93	209	333.9	66.20	493.1	63.3	209
10	11.16	2.915	17.21	6.00	208	333.4	61.63	471.5	243.5	208
20	10.90	2.721	16.93	6.01	208	326.0	55.78	452.0	243.5	208
30	10.28	2.263	15.89	6.00	208	311.2	44.69	430.1	243.0	208
50	8.75	1.119	12.40	5.99	208	276.8	20.88	367.5	220.8	208
75	7.83	.691	10.21	6.15	208	247.5	22.01	291.2	174.3	208
100	7.46	.554	10.20	6.17	208	214.3	25.18	290.4	157.1	208
125	7.27	.491	10.27	6.45	208	182.5	18.85	271.9	147.7	208
150	7.09	.447	9.88	6.39	208	162.0	11.88	233.4	141.8	208
175	6.87	.424	9.34	6.19	207	150.5	8.50	206.2	136.9	207
200	6.61	.420	8.85	5.88	207	143.3	6.83	187.2	130.6	207
225	6.35	.409	8.48	5.51	207	138.1	5.73	171.9	126.4	207
250	6.09	.410	8.11	5.22	206	133.8	5.08	163.1	123.1	206
300	5.64	.397	7.46	4.82	204	126.6	4.44	149.6	116.4	204
400	5.06	.351	6.48	4.29	198	114.5	4.02	131.7	106.1	198
500	4.55	.255	5.79	4.04	185	103.9	3.65	119.8	95.9	185
600	4.23	.168	5.04	3.79	184	94.9	3.02	107.6	86.7	184
700	3.98	.120	4.40	3.58	184	87.2	2.69	97.3	80.5	184
800	3.74	.102	4.11	3.41	183	80.5	2.45	89.9	74.5	183
900	3.51	.085	3.81	2.26	182	74.6	2.17	82.7	69.9	182
1000	3.30	.081	3.55	2.09	182	69.4	1.88	75.8	63.5	182
1200	2.88	.067	3.11	2.68	171	61.2	1.81	66.4	54.4	171
1500	2.35	.046	2.49	2.23	111	51.7	1.36	56.0	48.7	111
2000	1.80	.030	1.85	1.72	45	41.9	.91	44.0	39.7	45
2500	1.57	.028	1.60	1.51	8	37.0	.51	37.8	36.1	8

STATION MP08 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	209	.00	.00	.00	.00	209
10	.335	.0634	.490	.240	208	.02	.005	.03	.01	208
20	.667	.1218	.920	.490	208	.07	.013	.09	.05	208
30	.987	.1711	1.350	.730	208	.15	.025	.21	.11	208
50	1.578	.2214	2.110	1.220	208	.39	.046	.53	.31	208
75	2.238	.2442	2.920	1.820	208	.81	.066	1.05	.67	208
100	2.617	.2738	3.610	2.260	208	1.00	.106	1.66	1.05	208
125	3.317	.3091	4.230	2.660	208	2.50	.208	2.37	1.50	208
150	3.751	.3347	4.750	3.030	208	4.16	.243	4.12	2.02	208
175	4.146	.3522	5.180	3.800	207	4.87	.273	5.08	3.28	207
200	4.519	.3626	5.680	3.730	207	4.65	.301	6.07	4.01	207
225	4.879	.3734	5.960	4.070	207	5.49	.327	7.10	4.80	206
250	5.227	.3823	6.320	4.400	206	7.37	.383	9.36	6.58	204
300	5.898	.3968	7.010	5.040	204	11.81	.510	14.51	10.75	198
400	7.141	.4162	8.460	6.230	198	17.04	.683	20.58	15.66	185
500	8.279	.4439	9.780	7.350	185	22.92	.854	27.31	21.27	184
600	9.329	.4656	10.980	8.360	184	29.37	1.020	34.49	27.44	184
700	10.302	.4838	12.070	9.290	184	36.30	1.204	42.04	34.01	183
800	11.208	.5014	13.060	10.170	183	43.66	1.389	50.00	40.95	182
900	12.055	.5176	13.980	10.980	182	51.38	1.568	58.33	48.33	182
1000	12.853	.5313	14.830	11.750	182	67.85	1.967	76.03	64.23	171
1200	14.327	.5631	16.410	13.170	171	94.31	2.103	99.49	90.19	111
1500	16.185	.5239	17.450	15.050	111	143.58	2.603	149.26	139.04	45
2000	18.945	.5941	19.960	17.790	45	200.10	1.852	201.84	196.66	8
2500	21.605	.2745	22.000	21.190	8					

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.37	.430	6.99	5.38	18	1491	10.4	1511	1462	209
10	6.37	.539	7.02	4.77	18	1491	10.1	1511	1472	208
20	6.35	.660	7.02	4.01	18	1490	9.5	1510	1472	208
30	6.43	.620	7.01	4.24	18	1488	8.0	1508	1472	208
50	6.34	.813	7.05	4.47	18	1483	4.2	1496	1472	208
75	6.00	.917	6.95	4.44	18	1481	2.6	1489	1474	208
100	4.98	.871	6.56	3.32	18	1480	2.1	1490	1475	208
125	4.18	.687	5.58	3.72	18	1480	1.9	1491	1477	208
150	3.73	.640	4.76	2.37	18	1480	1.7	1490	1477	208
175	3.53	.629	4.42	2.35	18	1479	1.6	1489	1477	207
200	3.33	.672	4.25	2.28	18	1479	1.7	1488	1476	207
225	2.98	.591	3.87	1.98	18	1478	1.7	1487	1475	207
250	2.64	.557	3.53	1.69	18	1478	1.7	1486	1475	206
300	2.15	.459	2.95	1.29	17	1477	1.6	1484	1474	204
400	1.41	.473	2.15	.82	17	1476	1.4	1482	1473	198
500	.90	.295	1.57	.49	17	1476	1.1	1481	1474	185
600	.59	.263	1.10	.30	17	1477	.8	1480	1475	184
700	.47	.125	.72	.28	17	1477	.6	1479	1476	184
800	.39	.101	.63	.25	17	1478	.5	1480	1477	183
900	.40	.091	.57	.28	17	1479	.4	1480	1478	182
1000	.41	.106	.68	.30	16	1480	.4	1481	1479	182
1200	.52	.137	.87	.40	16	1481	.5	1482	1480	171
1500	.81	.115	1.11	.69	14	1484	.5	1485	1484	111
2000	1.47	.066	1.55	1.33	12	1491	.5	1491	1490	45
2500	n/a	n/a	n/a	n/a	0	1498	.0	1498	1498	8

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.783	1.0880	14.834	.000	183
10	12.520	.4976	14.545	11.495	182
20	12.191	.4703	14.255	11.235	182
30	11.872	.4502	13.965	10.975	182
50	11.286	.4267	13.384	10.451	182
75	10.629	.3999	12.658	9.868	182
100	10.045	.3611	11.930	9.396	182
125	9.546	.3229	11.211	8.940	182
150	9.112	.2957	10.567	8.538	182
175	8.717	.2759	10.014	8.174	182
200	8.343	.2598	9.514	7.824	182
225	7.984	.2459	9.062	7.487	182
250	7.636	.2337	8.635	7.159	182
300	6.967	.2110	7.843	6.533	182
400	5.720	.1688	6.401	5.379	182
500	4.578	.1303	5.085	4.293	182
600	3.528	.0971	4.881	3.299	182
700	2.555	.0699	2.622	2.401	182
800	1.647	.0439	1.812	1.557	182
900	.798	.0207	.875	.749	182
1000	.000	.0000	.000	.000	182
1200	-1.469	.0382	-1.343	-1.588	171
1500	-3.414	.0761	-3.257	-3.590	111
2000	-6.196	.1049	-6.030	-6.463	45
2500	-8.639	.0723	-8.513	-8.709	8

Table 21. As in Table 13, for Station 5 (P08).

Table 21 :

STATION MP08 J A N U A R Y 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.95	1.491	10.02	2.93	18	32.540	.4762	34.428	32.300	18
10	8.29	.810	10.02	6.87	17	32.425	.0697	32.547	32.300	17
20	8.29	8.11	10.03	6.88	17	32.426	.0726	32.548	32.291	17
30	8.29	8.08	10.03	6.89	17	32.427	.0725	32.549	32.286	17
50	8.27	.798	10.03	6.94	17	32.448	.1042	32.679	32.274	17
75	7.88	.557	8.85	6.95	17	32.768	.3575	32.507	32.376	17
100	7.34	.309	7.81	6.86	17	33.218	.3578	33.804	32.613	17
125	7.08	.427	7.84	6.69	17	33.514	.2896	33.888	32.997	17
150	6.92	.529	7.82	6.55	17	33.711	.1792	33.909	33.340	17
175	6.75	.342	7.72	6.30	17	33.840	.0848	33.927	33.650	17
200	6.51	.367	7.56	6.04	17	33.893	.0403	33.952	33.821	17
225	6.28	.398	7.44	5.76	17	33.915	.0364	33.963	33.846	17
250	6.03	.419	7.25	5.53	17	33.927	.0394	33.983	33.856	17
300	5.65	.442	6.85	5.06	17	33.951	.0416	34.023	33.870	17
400	5.07	.424	6.11	4.40	17	34.013	.0412	34.115	33.950	17
500	4.68	.303	5.28	4.08	16	34.088	.0312	34.143	34.036	16
600	4.34	.213	4.74	4.83	16	34.161	.0299	34.198	34.095	16
700	4.08	.181	4.46	4.63	16	34.228	.0250	34.269	34.181	16
800	3.85	.149	4.17	4.47	16	34.289	.0276	34.326	34.229	16
900	3.63	.111	3.87	3.33	16	34.342	.0276	34.384	34.291	16
1000	3.39	.093	3.62	3.17	16	34.384	.0236	34.417	34.341	16
1200	2.98	.076	3.20	2.88	15	34.443	.0294	34.490	34.381	15
1500	2.46	.037	2.54	2.43	8	34.518	.0059	34.527	34.511	15
2000	1.95	.017	1.97	1.93	4	34.595	.0042	34.603	34.591	14
2500	1.75	n/a	n/a	n/a	1	34.635	n/a	n/a	n/a	1
PRESS	SIGMA T					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	25.365	.5439	27.457	24.867	18	261.9	51.66	309.4	63.3	18
10	25.232	1.533	25.463	24.866	17	274.7	14.61	309.6	252.7	17
20	25.233	1.563	25.470	24.858	17	274.8	14.88	310.5	252.2	17
30	25.233	1.562	25.464	24.854	17	274.9	14.91	311.1	253.0	17
50	25.563	.3343	26.192	25.166	17	273.4	16.59	312.3	252.2	17
75	25.993	.2839	26.467	25.498	17	244.3	31.80	282.1	184.5	17
100	26.260	.2135	26.566	25.895	17	203.7	26.93	250.7	158.7	17
125	26.437	.1304	26.628	26.162	17	178.7	20.20	213.2	149.7	17
150	26.560	.0748	26.680	26.417	17	162.3	12.33	188.2	144.1	17
175	26.634	.0543	26.726	26.503	17	150.9	7.14	164.4	139.4	17
200	26.682	.0525	26.760	26.541	17	144.2	5.28	157.0	135.3	17
225	26.723	.0501	26.787	26.585	17	139.9	5.12	153.7	132.2	17
300	26.789	.0531	26.860	26.641	17	136.2	4.93	149.9	130.0	17
400	26.907	.0528	26.969	26.761	17	130.9	5.26	145.1	123.4	17
500	27.011	.0410	27.065	26.915	16	119.9	5.29	134.5	114.1	17
600	27.106	.0334	27.145	27.036	16	110.6	4.13	120.4	105.5	16
700	27.187	.0259	27.223	27.134	16	102.3	3.33	109.4	98.5	16
800	27.259	.0244	27.290	27.207	16	95.2	2.66	100.8	91.6	16
900	27.324	.0229	27.357	27.280	16	88.9	2.42	93.8	85.8	16
1000	27.380	.0192	27.407	27.342	16	83.1	2.23	87.2	79.9	16
1200	27.465	.0226	27.495	27.417	15	78.1	1.89	81.8	75.6	16
1500	27.570	.0050	27.577	27.567	8	70.4	1.99	74.8	67.9	15
2000	27.674	.0037	27.680	27.670	4	60.7	.38	61.0	59.0	4
2500	27.720	n/a	n/a	n/a	1	47.6	n/a	n/a	n/a	1
PRESS	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.95	1.491	10.02	2.93	18	261.9	51.66	309.4	63.3	18
10	8.29	.810	10.02	6.87	17	274.5	14.60	309.4	252.6	17
20	8.29	8.11	10.03	6.88	17	274.5	14.86	310.1	251.9	17
50	8.29	.807	10.03	6.89	17	274.4	14.87	310.5	252.5	17
75	8.27	.795	10.02	6.94	17	272.5	16.52	311.3	251.5	17
100	7.87	.557	8.84	6.94	17	243.0	31.77	280.8	183.3	17
125	7.33	.309	7.80	6.85	17	202.1	26.98	249.2	157.1	17
150	7.07	.325	7.82	6.68	17	176.7	20.27	211.4	147.7	17
175	6.91	.326	7.80	6.54	17	159.9	12.38	186.0	141.8	17
200	6.74	.340	7.70	6.29	17	148.2	7.08	161.7	136.9	17
225	6.50	.366	7.54	6.02	17	141.2	5.16	153.6	132.4	17
250	6.26	.398	7.42	5.74	17	136.6	4.97	149.9	129.2	17
300	6.01	.420	7.23	5.51	17	132.7	4.73	145.7	126.6	17
400	5.63	.441	6.82	5.04	17	126.4	5.02	140.4	119.7	17
500	4.94	.421	6.07	4.37	16	105.2	4.97	128.9	109.2	17
600	4.54	.363	5.24	4.04	16	96.2	3.84	114.2	100.1	16
700	4.36	.216	4.69	3.79	16	88.4	3.14	102.7	92.5	16
800	4.02	.179	4.40	3.58	16	88.4	2.45	93.4	85.1	16
900	3.79	.148	4.11	3.41	16	81.6	2.30	86.5	78.6	16
1000	3.55	.112	3.81	2.6	16	75.4	2.17	79.5	72.2	16
1200	3.32	.093	3.55	2.10	16	70.0	1.84	73.6	67.4	16
1500	2.89	.073	3.11	2.80	15	61.9	2.07	66.4	59.0	15
2000	2.36	.035	2.43	2.32	4	51.8	.36	52.1	51.2	8
2500	1.81	.016	1.83	1.79	1	41.9	.39	42.2	41.3	1

STATION MP08 JANUARY 1956 to 1990

DELTA D

POT. ENERGY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	18	.00	.00	.00	.00	18
10	.274	.0154	.310	.250	17	.01	.004	.02	.01	17
20	.551	.0289	.620	.510	17	.06	.005	.06	.05	17
30	.824	.0454	.930	.760	17	.13	.008	.14	.12	17
50	1.378	.0751	1.550	1.260	17	.35	.020	.40	.32	17
75	2.035	.1239	2.310	1.840	17	.77	.055	.87	.68	17
100	3.596	.1772	3.920	2.290	17	1.27	.111	1.42	1.06	17
125	3.069	.2245	3.460	2.680	17	1.81	.169	2.04	1.50	17
150	4.494	.2609	3.950	3.040	17	2.41	.221	2.72	2.02	17
175	4.885	.2774	4.380	3.400	17	3.05	.252	3.44	2.63	17
200	4.253	.2860	4.770	3.740	17	3.76	.268	4.18	3.29	17
225	4.606	.2967	5.140	4.080	17	4.53	.281	4.99	4.01	17
250	4.952	.2945	5.500	4.400	17	5.36	.295	5.86	4.80	17
300	5.618	.3026	6.200	5.040	17	7.22	.328	7.81	6.58	17
400	6.866	.3163	7.500	6.230	17	11.68	.436	12.46	10.84	17
500	8.048	.3182	8.690	7.350	16	17.00	.580	18.28	15.94	16
600	9.111	.3338	9.800	8.380	16	22.96	.754	24.70	21.73	16
700	10.098	.3502	10.840	9.350	16	29.49	.921	31.63	28.16	16
800	11.017	.3636	11.800	10.260	16	36.52	1.086	39.02	35.12	16
900	11.877	.3768	12.700	11.120	16	43.97	1.261	46.80	42.30	16
1000	12.681	.3911	13.550	11.920	16	51.75	1.433	54.98	49.80	16
1200	14.175	.4228	15.100	13.410	15	68.47	1.724	72.05	65.97	15
1500	16.019	.3269	16.510	15.460	8	94.60	1.441	96.08	92.31	8
2000	18.707	.3598	19.080	18.230	4	143.80	1.711	145.43	141.72	4
2500	21.560	n/a	n/a	n/a	1	201.72	n/a	n/a	n/a	1

OXYGEN

SOUND

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.54	n/a	n/a	n/a	1	1479	5.3	1487	1462	18
10	6.56	n/a	n/a	n/a	1	1481	5.1	1487	1475	17
20	6.52	n/a	n/a	n/a	1	1481	5.1	1487	1475	17
30	6.51	n/a	n/a	n/a	1	1481	5.0	1488	1476	17
50	6.60	n/a	n/a	n/a	1	1481	5.0	1488	1476	17
75	6.05	n/a	n/a	n/a	1	1481	5.0	1484	1477	17
100	4.52	n/a	n/a	n/a	1	1480	1.3	1482	1478	17
125	4.06	n/a	n/a	n/a	1	1480	1.5	1483	1478	17
150	3.39	n/a	n/a	n/a	1	1479	1.4	1483	1478	17
175	2.80	n/a	n/a	n/a	1	1479	1.4	1483	1478	17
200	2.38	n/a	n/a	n/a	1	1479	1.5	1483	1477	17
225	2.14	n/a	n/a	n/a	1	1478	1.7	1483	1476	17
250	1.92	n/a	n/a	n/a	1	1478	1.8	1483	1476	17
300	1.18	n/a	n/a	n/a	1	1477	1.0	1482	1475	17
400	.95	n/a	n/a	n/a	1	1477	1.0	1481	1474	17
500	.67	n/a	n/a	n/a	1	1477	1.3	1479	1474	16
600	.53	n/a	n/a	n/a	1	1477	1.0	1479	1475	16
700	.44	n/a	n/a	n/a	1	1478	.7	1479	1476	16
800	.42	n/a	n/a	n/a	1	1478	.7	1480	1477	16
900	.42	n/a	n/a	n/a	1	1479	.4	1480	1478	16
1000	.54	n/a	n/a	n/a	1	1480	.4	1481	1479	16
1200	.54	n/a	n/a	n/a	1	1481	.5	1482	1481	15
1500	.93	n/a	n/a	n/a	1	1484	.4	1485	1484	8
2000	1.55	n/a	n/a	n/a	1	1491	.5	1491	1490	4
2500	n/a	n/a	n/a	n/a	0	1498	n/a	n/a	n/a	1

DELTA DH

PRESS	MEAN	S.D.	MAX	MIN	N
0	11.935	3.0989	13.548	.000	17
10	12.406	.3810	13.239	11.671	16
20	12.130	.3716	12.929	11.418	16
30	11.854	.3623	12.618	11.166	16
50	11.299	.3446	11.994	10.661	16
75	10.637	.3202	11.241	10.080	16
100	10.073	.3017	10.715	9.638	16
125	9.596	.2877	10.286	9.247	16
150	9.169	.2789	9.877	8.874	16
175	8.777	.2696	9.474	8.494	16
200	8.409	.2610	9.079	8.127	16
225	8.053	.2523	8.691	7.773	16
250	7.708	.2426	8.311	7.432	16
300	7.041	.2295	7.573	6.781	16
400	5.788	.1730	6.174	5.569	16
500	4.634	.1299	4.904	4.468	16
600	3.570	.0943	3.757	3.448	16
700	2.583	.0672	2.711	2.493	16
800	1.664	.0424	1.747	1.604	16
900	.804	.0203	.845	.775	16
1000	.000	.0000	.000	.000	15
1200	-1.486	.0330	-1.441	-1.550	15
1500	-3.422	.0644	-3.359	-3.567	14
2000	-6.206	.0501	-6.139	-6.258	4
2500	-8.701	n/a	n/a	n/a	1

STATION MP08 FEBRUARY 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.82	.878	9.00	5.97	14	32.466	.1591	32.640	32.050	14
10	7.85	.861	9.00	6.00	14	32.462	.1589	32.640	32.040	14
20	7.84	.848	8.95	6.01	14	32.466	.1497	32.640	32.040	14
30	7.82	.833	8.90	6.00	14	32.476	.1361	32.640	32.070	14
50	7.79	.814	8.86	5.99	14	32.506	.1015	32.640	32.229	14
75	7.73	.679	8.62	6.16	14	32.742	.3103	33.590	32.478	14
100	7.37	.401	8.18	6.54	14	32.171	.3432	33.778	32.566	14
125	7.11	.316	7.91	6.56	14	32.562	.1599	32.861	32.359	14
150	6.98	.356	7.91	6.51	14	32.759	.0773	32.896	33.653	14
175	6.76	.369	7.74	6.26	14	32.847	.0483	33.923	33.760	14
200	6.53	.408	7.50	5.97	14	32.896	.0315	33.940	33.848	14
225	6.29	.406	7.20	5.72	14	32.915	.0299	33.956	33.870	14
250	6.05	.378	6.92	5.51	14	32.932	.0328	33.971	33.876	14
300	5.65	.385	6.41	4.98	13	32.956	.0409	34.009	33.880	13
400	5.01	.259	5.39	4.49	13	32.025	.0406	34.083	33.953	13
500	4.58	.235	4.92	4.17	13	32.096	.0399	34.164	34.018	13
600	4.28	.189	4.57	3.92	13	32.178	.0287	34.231	34.129	13
700	4.05	.139	4.23	3.79	13	32.242	.0247	34.288	34.195	13
800	3.84	.121	4.03	3.63	13	32.303	.0191	34.337	34.275	13
900	3.60	.102	3.73	3.43	13	32.349	.0250	34.385	34.305	13
1000	3.38	.090	3.54	3.22	13	32.391	.0260	34.432	34.356	13
1200	3.29	.072	3.10	2.88	11	32.452	.0280	34.487	34.404	11
1500	2.46	.026	2.50	2.42	7	32.518	.0264	34.556	34.476	7
2000	1.88	.021	1.89	1.86	2	32.615	.0068	34.615	34.615	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	SIGMA T					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	25.332	.2067	25.560	24.840	14	265.1	19.66	311.9	243.4	14
10	25.324	.2058	25.557	24.836	14	266.0	19.59	312.4	243.8	14
20	25.330	.1951	25.548	24.836	14	265.6	18.58	312.6	244.8	14
30	25.340	.1810	25.557	24.876	14	264.7	17.26	309.0	244.0	14
50	25.368	.1541	25.558	25.024	14	262.4	14.71	295.1	244.1	14
75	25.562	.2806	26.286	25.289	14	244.3	26.68	270.4	175.6	14
100	25.951	.2902	26.440	25.362	14	207.6	27.58	263.8	161.3	14
125	26.294	.1406	26.526	26.045	14	175.5	13.36	199.3	153.5	14
150	26.467	.0930	26.606	26.252	14	159.5	8.91	180.1	146.2	14
175	26.565	.0765	26.670	26.360	14	150.5	7.36	170.2	140.4	14
200	26.635	.0642	26.724	26.464	14	144.1	6.23	160.6	135.5	14
225	26.680	.0594	26.772	26.531	14	140.1	5.76	154.5	131.1	14
250	26.726	.0522	26.805	26.593	14	135.9	5.15	149.0	128.1	14
300	26.794	.0497	26.869	26.677	13	129.9	4.91	141.4	122.5	13
400	26.924	.0328	26.986	26.858	13	118.2	3.20	124.7	112.2	13
500	27.029	.0312	27.077	26.964	13	108.9	3.08	115.3	104.1	13
600	27.126	.0225	27.165	27.100	13	100.8	2.22	103.1	96.7	13
700	27.201	.0200	27.238	27.178	13	93.8	1.99	96.2	90.3	13
800	27.271	.0203	27.304	27.231	13	87.7	2.07	91.8	84.2	13
900	27.331	.0222	27.366	27.292	13	82.4	2.20	86.2	78.9	13
1000	27.386	.0201	27.413	27.351	11	77.5	1.88	81.1	74.9	13
1200	27.473	.0220	27.499	27.441	11	69.7	2.04	72.5	67.3	11
1500	27.570	.0220	27.598	27.536	7	60.7	1.98	63.8	58.3	7
2000	27.696	.0001	27.697	27.694	2	48.8	2.28	49.0	48.6	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.82	.878	9.00	5.97	14	265.1	19.66	311.9	243.4	14
10	7.85	.861	9.00	6.00	14	265.8	19.56	312.2	243.7	14
20	7.84	.848	8.94	6.01	14	265.3	18.55	312.2	244.6	14
30	7.82	.833	8.90	6.00	14	264.2	17.22	308.5	243.7	14
50	7.78	.810	8.85	5.99	14	261.6	14.64	294.3	243.6	14
75	7.72	.680	8.61	6.15	14	243.1	26.65	269.1	174.3	14
100	7.36	.401	8.17	6.53	14	206.1	27.57	262.1	159.7	14
125	7.10	.316	7.90	6.55	14	175.5	13.38	197.2	151.4	14
150	6.96	.354	7.89	6.50	14	157.1	8.82	177.4	143.8	14
175	6.75	.368	7.72	6.24	14	147.8	7.23	167.1	137.8	14
200	6.51	.408	7.48	5.95	14	141.1	6.06	157.2	132.7	14
225	6.27	.405	7.18	5.70	14	136.8	5.58	150.8	128.1	14
250	6.02	.377	6.89	5.49	14	132.4	4.95	145.0	124.9	14
300	5.62	.383	6.38	4.96	13	126.0	4.71	137.0	118.8	13
400	4.98	.259	5.36	4.46	13	113.6	3.08	119.8	107.7	13
500	4.54	.235	4.88	4.14	13	103.6	2.96	109.7	98.9	13
600	4.23	.189	4.52	3.88	13	94.3	2.13	96.7	90.6	13
700	4.06	.138	4.18	3.74	13	87.1	1.91	89.3	83.6	13
800	3.78	.119	3.97	3.58	13	80.4	1.92	84.2	77.3	13
900	3.53	.099	3.66	3.37	13	74.7	2.12	78.4	71.4	13
1000	3.31	.088	3.46	3.15	11	69.4	1.88	72.7	66.9	13
1200	2.89	.069	3.01	2.80	11	61.1	2.05	64.2	58.6	11
1500	2.36	.026	2.40	2.32	7	51.8	2.03	55.0	49.2	7
2000	1.74	.021	1.75	1.72	2	39.8	1.4	39.9	39.7	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP08 FEBRUARY 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	14	.00	.00	.00	.00	14
10	.266	.0195	.310	.250	14	.01	.004	.02	.01	14
20	.534	.0373	.620	.490	14	.05	.005	.06	.05	14
30	.799	.0565	.940	.740	14	.12	.007	.14	.11	14
50	1.328	.0859	1.540	1.230	14	.24	.022	.39	.31	14
75	1.970	.1190	2.250	1.840	14	.75	.041	.84	.69	14
100	2.535	.1632	2.860	2.260	14	1.25	.096	1.39	1.05	14
125	3.010	.2016	3.400	2.560	14	1.79	.146	2.00	1.50	14
150	3.426	.2247	3.870	3.030	14	2.38	.180	2.66	2.03	14
175	3.811	.2428	4.310	3.400	14	3.02	.209	3.38	2.64	14
200	4.179	.2560	4.720	3.760	14	3.72	.236	4.17	3.32	14
225	4.534	.2679	5.110	4.110	14	4.49	.261	5.02	4.08	14
250	4.879	.2784	5.490	4.450	14	5.32	.288	5.94	4.89	14
300	5.555	.3058	6.220	5.110	13	7.19	.356	7.97	6.65	13
400	6.789	.3291	7.530	6.310	13	11.59	.461	12.65	10.82	13
500	7.926	.3496	8.730	7.400	13	16.80	.581	18.14	15.79	13
600	8.972	.3649	9.820	8.400	13	22.65	.689	24.22	21.42	13
700	9.940	.3689	10.800	9.340	13	29.08	.780	30.75	27.61	13
800	10.848	.3783	11.730	10.210	13	36.01	.896	37.81	34.30	13
900	11.697	.3876	12.600	11.640	13	43.36	.954	45.40	41.45	13
1000	12.493	.4007	13.430	11.820	13	51.08	1.231	53.47	49.02	13
1200	13.948	.4677	14.960	13.250	11	67.49	1.768	70.59	65.06	11
1500	15.900	.5984	16.950	15.150	7	94.44	2.623	97.87	91.12	7
2000	18.040	.2263	18.200	17.880	2	140.07	.601	140.50	139.65	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.57	n/a	n/a	n/a	1	1479	3.3	1483	1472	14
10	6.68	n/a	n/a	n/a	1	1479	3.3	1483	1472	14
20	6.62	n/a	n/a	n/a	1	1479	3.2	1483	1472	14
30	6.60	n/a	n/a	n/a	1	1479	3.2	1483	1472	14
50	6.66	n/a	n/a	n/a	1	1480	3.2	1484	1472	14
75	6.36	n/a	n/a	n/a	1	1480	3.2	1483	1474	14
100	5.29	n/a	n/a	n/a	1	1480	1.1	1482	1477	14
125	4.37	n/a	n/a	n/a	1	1480	1.4	1483	1477	14
150	4.05	n/a	n/a	n/a	1	1480	1.3	1483	1478	14
175	4.02	n/a	n/a	n/a	1	1480	1.4	1483	1477	14
200	3.75	n/a	n/a	n/a	1	1479	1.6	1483	1477	14
225	3.48	n/a	n/a	n/a	1	1479	1.6	1482	1476	14
250	2.80	n/a	n/a	n/a	1	1478	1.4	1481	1476	14
300	1.81	n/a	n/a	n/a	1	1477	1.6	1480	1474	13
400	1.37	n/a	n/a	n/a	1	1476	1.1	1478	1474	13
500	1.21	n/a	n/a	n/a	1	1476	0.9	1478	1475	13
600	.53	n/a	n/a	n/a	1	1477	0.8	1478	1475	13
700	.46	n/a	n/a	n/a	1	1478	0.7	1478	1476	13
800	.41	n/a	n/a	n/a	1	1478	0.8	1479	1477	13
900	.42	n/a	n/a	n/a	0	1479	0.6	1480	1478	13
1000	n/a	n/a	n/a	n/a	0	1480	0.4	1480	1479	11
1200	n/a	n/a	n/a	n/a	0	1481	0.5	1482	1481	11
1500	n/a	n/a	n/a	n/a	0	1484	0.4	1485	1484	7
2000	n/a	n/a	n/a	n/a	0	1490	n/a	1490	1490	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.494	.4018	13.434	11.817	13
10	12.227	.3889	13.122	11.564	13
20	11.960	.3773	12.809	11.308	13
30	11.692	.3650	12.492	11.053	13
50	11.161	.3512	11.899	10.541	13
75	10.517	.3241	11.187	9.923	13
100	9.954	.2826	10.571	9.447	13
125	9.477	.2552	10.036	9.038	13
150	8.061	.2382	9.566	8.662	13
175	8.674	.2239	9.128	8.305	13
200	8.306	.2110	8.716	7.960	13
225	7.950	.1985	8.322	7.627	13
250	7.604	.1866	7.942	7.298	13
300	6.940	.1644	7.219	6.672	13
400	5.705	.1305	5.902	5.483	13
500	4.569	.1018	4.718	4.396	13
600	3.523	.0778	3.650	3.386	13
700	2.553	.0591	2.657	2.450	13
800	1.646	.0406	1.718	1.576	13
900	.797	.0202	.833	.761	13
1000	.000	.0000	.000	.000	13
1200	-1.468	.0412	-1.416	-1.529	11
1500	-3.416	.0997	-3.326	-3.570	7
2000	-6.049	.0142	-6.039	-6.059	2
2500	n/a	n/a	n/a	n/a	0

STATION MP08 MARCH 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.48	.886	10.21	7.65	17	32.447	.1740	32.601	31.860	17
10	8.47	.888	10.21	7.60	17	32.438	.1743	32.602	31.869	17
20	8.43	.905	10.21	7.53	17	32.443	.1636	32.600	31.920	17
30	8.40	.922	10.21	7.51	17	32.468	.1062	32.602	32.260	17
50	8.33	.966	10.21	7.50	17	32.552	.1718	33.020	32.270	17
75	8.23	.975	10.22	7.37	17	32.810	.4068	33.490	32.441	17
100	8.02	1.047	10.21	7.06	17	33.159	.4621	33.790	32.451	17
125	7.73	1.222	10.29	6.75	17	33.505	.3249	33.941	32.848	17
150	7.46	1.095	9.90	6.46	17	33.724	.1822	34.010	33.297	17
175	7.18	.987	9.36	6.41	17	33.822	.1200	34.031	33.551	17
200	6.95	.934	8.87	6.02	17	34.880	.0851	34.049	34.707	17
225	6.69	.863	8.50	5.88	17	35.913	.0594	34.050	34.823	17
250	6.46	.803	8.13	5.64	17	33.936	.0483	34.060	34.886	17
300	5.99	.749	7.49	5.25	17	33.962	.0454	34.069	34.900	17
400	5.32	.567	6.51	4.82	17	34.023	.0442	34.103	34.960	17
500	4.78	.470	5.83	4.38	16	34.089	.0451	34.158	34.014	16
600	4.37	.284	5.09	4.16	16	34.168	.0516	34.273	34.075	16
700	4.04	.136	4.30	3.84	16	34.230	.0554	34.323	34.129	16
800	3.80	.119	4.03	3.64	16	34.287	.0532	34.370	34.189	16
900	3.56	.109	3.76	3.44	16	34.339	.0452	34.406	34.254	16
1000	3.38	.125	3.60	3.25	16	34.384	.0316	34.434	34.333	16
1200	2.99	.096	3.15	2.68	14	34.447	.0240	34.479	34.400	14
1500	2.44	.053	2.51	2.36	6	34.521	.0110	34.536	34.511	6
2000	1.95	.025	1.96	1.91	4	34.596	.0061	34.602	34.584	4
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	SIGMA T					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	25.220	.1662	25.415	24.836	17	275.8	15.81	312.3	257.2	17
10	25.214	.1579	25.407	24.842	17	276.4	15.05	311.9	258.1	17
20	25.225	.1565	25.415	24.879	17	275.6	14.91	308.5	257.5	17
30	25.249	.1295	25.427	25.062	17	273.5	12.36	291.3	256.5	17
50	25.323	.1994	25.797	25.064	17	266.7	19.02	291.5	221.6	17
75	25.541	.3937	26.177	25.064	17	246.4	37.47	292.0	185.9	17
100	25.844	.4722	26.409	25.064	17	218.0	44.96	292.5	164.3	17
125	26.156	.4191	26.560	25.258	17	188.8	40.02	274.5	150.3	17
150	26.367	.2878	26.620	25.662	17	169.1	27.57	236.6	145.1	17
175	26.484	.2236	26.665	25.948	17	158.3	21.51	209.8	141.1	17
200	26.562	.1850	26.728	26.148	17	151.2	17.90	191.2	135.1	17
225	26.623	.1514	26.780	26.309	17	145.7	14.73	176.3	130.4	17
250	26.672	.1296	26.825	26.401	17	141.2	12.67	167.7	126.3	17
300	26.754	.1075	26.894	26.543	17	133.8	10.64	154.8	120.1	17
400	26.885	.0853	27.000	26.731	17	122.1	8.51	137.7	110.9	17
500	27.000	.0754	27.981	26.856	16	111.8	7.59	126.6	103.9	16
600	27.109	.0642	27.206	26.985	16	102.1	6.37	114.7	92.0	16
700	27.192	.0548	27.268	27.093	16	94.6	5.30	104.3	87.5	16
800	27.262	.0497	27.331	27.171	16	88.4	4.80	97.2	81.9	16
900	27.327	.0426	27.382	27.246	16	82.7	4.16	90.6	77.5	16
1000	27.381	.0353	27.423	27.319	16	78.0	3.55	84.3	73.9	16
1200	27.468	.0275	27.499	27.418	14	70.2	2.76	75.2	67.2	14
1500	27.575	.0117	27.594	27.561	6	60.2	1.31	61.7	58.1	6
2000	27.674	.0079	27.682	27.664	4	51.2	.82	52.2	50.2	4
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.48	.886	10.21	7.65	17	275.8	15.81	312.3	257.2	17
10	8.47	.888	10.21	7.60	17	276.2	15.02	311.7	257.9	17
20	8.43	.905	10.21	7.53	17	275.2	14.90	308.2	257.1	17
30	8.40	.922	10.21	7.51	17	272.9	12.30	290.7	256.0	17
50	8.33	.962	10.20	7.50	17	265.8	18.96	290.5	220.8	17
75	8.23	.975	10.21	7.36	17	245.1	37.43	290.4	184.6	17
100	8.01	1.047	10.20	7.05	17	216.3	44.86	290.4	162.6	17
125	7.72	1.222	10.27	6.74	17	186.6	39.78	271.9	148.2	17
150	7.45	1.092	9.88	6.45	17	166.6	27.29	233.4	142.6	17
175	7.17	.985	9.34	6.39	17	155.4	21.19	206.2	138.2	17
200	6.93	.933	8.85	6.00	17	148.0	17.51	187.2	132.3	17
225	6.67	.863	8.48	5.86	17	142.2	14.32	171.9	127.3	17
250	6.44	.801	8.11	5.62	17	137.5	12.25	163.1	123.1	17
300	5.96	.747	7.46	5.22	17	129.7	10.16	149.6	116.4	17
400	5.28	.566	6.48	4.79	17	117.2	8.04	131.7	106.3	17
500	4.74	.469	5.79	4.34	16	106.2	7.11	119.8	98.6	16
600	4.32	.283	5.04	4.11	16	95.9	6.06	107.6	86.7	16
700	3.99	.136	4.25	3.79	16	87.9	5.18	97.3	80.8	16
800	3.74	.119	3.97	3.58	16	81.2	4.69	89.9	74.7	16
900	3.50	.109	3.69	3.37	16	75.1	4.03	82.7	69.9	16
1000	3.31	.125	3.53	3.18	14	69.9	3.32	75.8	65.9	16
1200	2.90	.092	3.06	2.80	14	61.6	2.54	66.3	58.7	14
1500	2.33	.050	2.40	2.26	6	51.4	1.15	52.7	49.6	6
2000	1.81	.025	1.82	1.77	4	41.8	.71	42.8	41.1	4
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP08 M A R C H 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	17	.00	.000	.00	.00	17
10	.276	.0146	.310	.260	17	.01	.002	.02	.01	17
20	.554	.0314	.630	.520	17	.06	.005	.06	.05	17
30	.828	.0429	.920	.780	17	.13	.006	.14	.12	17
50	1.370	.0642	1.460	1.280	17	.35	.016	.37	.32	17
75	2.017	.1198	2.190	1.830	17	.76	.057	.84	.67	17
100	2.596	.2173	2.920	2.270	17	1.27	.146	1.49	1.06	17
125	3.105	.3174	3.640	2.660	17	1.86	.264	2.32	1.50	17
150	3.551	.3947	4.270	3.030	17	2.48	.373	3.21	2.02	17
175	3.957	.4507	4.820	3.380	17	3.16	.465	4.12	2.61	17
200	4.346	.4956	5.320	4.730	17	3.89	.555	5.08	3.28	17
225	4.716	.5340	5.780	4.070	17	4.70	.641	6.07	4.01	17
250	5.074	.5658	6.210	4.400	17	5.56	.719	7.10	4.81	17
300	5.761	.6182	7.010	5.040	17	7.49	.873	9.36	6.60	17
400	7.038	.7034	8.460	6.240	17	12.04	1.192	14.51	10.75	17
500	8.208	.8002	9.780	7.360	16	17.41	1.591	20.58	15.66	16
600	9.276	.8604	10.980	8.360	16	23.39	1.956	27.31	21.27	16
700	10.258	.9093	12.070	9.290	16	29.89	2.298	34.49	27.44	16
800	11.171	.9543	13.060	10.170	16	36.87	2.671	42.04	34.11	16
900	12.026	.9956	13.980	10.980	16	44.28	3.039	50.00	41.19	16
1000	12.828	1.0270	14.830	11.750	16	52.65	3.395	58.33	48.65	16
1200	14.351	1.1565	16.410	13.170	14	68.83	4.315	76.03	64.53	14
1500	15.593	.4724	16.120	15.050	6	92.35	1.817	94.64	90.28	6
2000	18.178	.4714	18.860	17.790	4	141.74	2.687	145.45	139.04	4
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.75	.329	6.99	6.28	4	1481	3.5	1488	1478	17
10	6.79	.363	7.02	6.95	4	1482	4.4	1488	1478	17
20	6.78	.308	7.02	6.34	4	1481	5.5	1488	1478	17
30	6.77	.303	7.01	6.34	4	1482	6.7	1489	1478	17
50	6.70	.281	6.98	6.31	4	1482	4.58	1489	1479	17
75	5.69	1.257	6.95	4.22	4	1482	4.4	1490	1478	17
100	5.11	1.589	6.56	5.58	4	1482	4.30	1490	1478	17
125	4.39	1.104	5.58	3.33	4	1482	4.39	1490	1478	17
150	4.04	.698	4.76	3.15	4	1481	4.79	1489	1478	17
175	3.80	.614	4.42	3.95	4	1481	4.6	1488	1477	17
200	3.40	.767	3.99	2.32	4	1480	4.87	1487	1477	17
225	2.88	.665	3.57	1.98	4	1479	4.86	1486	1476	17
250	2.51	.640	3.7	1.69	4	1479	4.84	1482	1475	17
300	2.04	.698	2.58	1.29	4	1478	4.19	1481	1475	16
400	1.39	.471	1.98	.91	4	1477	1.62	1480	1476	16
500	.90	.382	1.43	.62	4	1477	1.48	1478	1476	16
600	.65	.259	1.03	.48	4	1477	1.4	1479	1478	16
700	.50	.161	.72	.37	4	1477	1.37	1478	1477	16
800	.42	.123	.59	.32	4	1478	1.34	1479	1478	16
900	.45	.109	.53	.31	4	1479	1.6	1480	1478	16
1000	.43	.122	.57	.30	4	1480	1.7	1481	1479	16
1200	.57	.148	.78	.44	4	1481	1.5	1482	1481	14
1500	.82	.076	.90	.75	4	1484	1.0	1484	1484	14
2000	1.42	.085	1.50	1.33	0	1491	n/a	1491	1490	4
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.829	1.0285	14.834	11.754	16
10	12.552	1.0187	14.545	11.495	16
20	12.276	1.0087	14.255	11.255	16
30	12.001	.9987	13.965	10.975	16
50	11.460	.9766	13.384	10.451	16
75	10.815	.9293	12.658	9.868	16
100	10.235	.8479	11.930	9.403	16
125	9.727	.7476	11.211	8.989	16
150	9.281	.6650	10.567	8.599	16
175	8.873	.6070	10.014	8.231	16
200	8.487	.5592	9.514	7.885	16
225	8.116	.5193	9.062	7.554	16
250	7.757	.4858	8.635	7.233	16
300	7.069	.4288	7.843	6.618	16
400	5.791	.3355	6.401	5.462	16
500	4.622	.2578	5.085	4.293	16
600	3.553	.1891	3.881	3.299	16
700	2.571	.1340	2.822	2.401	16
800	1.659	.0828	1.812	1.557	16
900	.803	.0383	.875	.759	16
1000	.000	.0000	.000	.000	16
1200	-1.478	.0678	-1.404	-1.588	14
1500	-3.358	.0604	-3.290	-3.436	6
2000	-6.158	.1083	-6.030	-6.293	4
2500	n/a	n/a	n/a	n/a	0

STATION MP08 APRIL 1956 to 1990

TEMPERATURE

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.85	.979	9.66	6.67	11	32.453	.0676	32.550	32.354	11
10	7.99	1.005	9.67	6.67	11	32.446	.0838	32.550	32.277	11
20	7.87	.981	9.67	6.67	11	32.451	.0801	32.550	32.298	11
30	7.82	.980	9.67	6.60	11	32.463	.0666	32.550	32.341	11
50	7.69	1.005	9.64	6.58	11	32.497	.0832	32.665	32.383	11
75	7.48	.928	9.46	6.35	11	32.663	.2526	33.330	32.437	11
100	7.55	.505	8.77	6.94	11	32.720	.3071	33.596	32.652	11
125	7.42	.345	8.13	6.95	11	32.601	.1653	33.784	33.252	11
150	7.05	.241	5.56	6.74	11	32.797	.0532	33.866	33.719	11
175	6.83	.284	7.33	6.32	11	32.876	.0289	33.922	33.828	11
200	6.56	.281	7.05	6.15	11	32.908	.0301	33.972	33.878	11
225	6.34	.264	6.77	5.96	11	32.933	.0282	33.986	33.893	11
250	6.12	.271	6.60	5.75	11	32.948	.0283	33.997	33.907	11
300	5.69	.260	6.23	5.35	11	32.978	.0289	34.035	33.923	11
400	5.04	.235	5.49	4.69	10	32.939	.0341	34.102	33.966	10
500	4.60	.208	4.96	4.27	9	32.916	.0317	34.168	34.054	9
600	4.28	.148	4.52	4.00	9	32.918	.0310	34.228	34.134	9
700	4.02	.115	4.16	3.77	9	32.956	.0281	34.282	34.216	9
800	3.77	.072	3.88	3.61	9	32.930	.0296	34.341	34.266	9
900	3.56	.057	3.64	3.44	9	32.962	.0259	34.398	34.327	9
1000	3.37	.076	3.50	3.23	9	32.941	.0265	34.465	34.382	9
1200	2.97	.045	3.01	2.89	8	32.971	.0280	34.538	34.444	8
1500	2.43	.049	2.49	2.35	8	32.927	.0111	34.539	34.513	8
2000	1.93	.057	1.97	1.81	7	32.905	.0142	34.615	34.595	7
2500	1.74	n/a	n/a	n/a	1	32.634	n/a	n/a	n/a	1

SIGMA T

SVA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	25.316	.1809	25.559	25.014	11	266.6	17.22	295.4	243.5	11
10	25.304	.1943	25.559	25.003	11	267.9	18.51	296.5	243.6	11
20	25.313	.1849	25.559	25.048	11	267.2	17.54	292.5	243.8	11
30	25.330	.1747	25.564	25.056	11	265.8	16.66	291.9	243.4	11
50	25.374	.1870	25.615	25.064	11	261.8	17.88	291.4	238.8	11
75	25.535	.2735	26.089	25.088	11	246.9	26.08	289.6	194.2	11
100	26.003	.2858	26.301	25.479	11	202.8	27.19	252.6	174.5	11
125	26.295	.1368	26.458	26.073	11	175.4	12.96	196.4	160.0	11
150	26.483	.0647	26.563	26.369	11	157.9	6.18	168.9	150.3	11
175	26.579	.0463	26.646	26.513	11	149.2	4.47	155.4	142.6	11
200	26.641	.0427	26.716	26.582	11	143.5	4.16	149.2	136.2	11
225	26.689	.0365	26.755	26.635	11	139.2	3.57	144.5	132.6	11
250	26.728	.0335	26.791	26.684	11	135.7	3.27	140.0	129.6	11
300	26.806	.0332	26.870	26.755	11	128.7	3.26	133.9	122.5	11
400	26.932	.0245	26.971	26.891	10	117.5	2.46	121.6	113.8	10
500	27.042	.0223	27.076	27.002	9	107.7	2.23	111.9	104.5	9
600	27.133	.0202	27.163	27.099	9	99.7	1.96	102.9	96.2	8
700	27.215	.0203	27.238	27.180	9	92.5	1.95	95.8	90.2	8
800	27.283	.0216	27.310	27.247	9	86.4	2.00	89.9	83.6	8
900	27.345	.0205	27.375	27.315	9	81.0	1.97	83.9	78.2	8
1000	27.403	.0299	27.449	27.380	9	75.9	1.99	78.1	71.6	8
1200	27.489	.0233	27.544	27.466	9	68.3	2.17	70.4	63.0	8
1500	27.579	.0047	27.587	27.570	8	59.7	1.54	60.6	59.1	8
2000	27.683	.0150	27.694	27.672	8	50.2	1.70	51.4	49.0	8
2500	27.721	n/a	n/a	n/a	1	47.5	n/a	n/a	n/a	1

THETA

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.85	.979	9.66	6.67	11	266.6	17.22	295.4	243.5	11
10	7.99	1.005	9.67	6.67	11	267.8	18.50	296.4	243.5	11
20	7.89	.981	9.67	6.67	11	266.9	17.52	292.1	243.5	11
50	7.82	.982	9.67	6.59	11	265.3	16.60	291.3	243.0	11
75	7.68	1.003	9.63	6.58	11	261.1	17.79	290.5	238.1	11
100	7.47	.929	9.45	6.34	11	245.7	26.01	288.2	193.0	11
125	7.54	.505	8.76	6.93	11	201.1	27.17	251.0	172.9	11
150	7.31	.343	8.11	6.94	11	173.4	12.99	194.5	157.9	11
175	6.82	.282	7.31	6.31	11	155.5	6.13	166.4	148.0	11
200	6.54	.280	7.03	6.14	11	146.4	4.39	152.6	140.6	11
225	6.32	.264	6.75	5.94	11	140.5	4.04	146.1	133.4	11
250	6.16	.270	6.58	5.73	11	135.9	3.46	141.0	129.7	11
300	5.67	.258	6.20	5.33	11	132.2	3.16	136.3	126.2	11
400	5.01	.266	5.46	4.66	10	124.8	3.15	129.6	118.7	10
500	4.96	.268	4.92	4.23	9	112.8	2.35	116.7	109.0	10
600	4.23	.145	4.47	3.96	9	102.8	2.14	106.1	99.0	9
700	3.97	.115	4.11	3.72	9	95.6	1.94	96.8	90.7	8
800	3.71	.072	3.82	3.55	9	85.3	1.93	89.1	83.6	8
900	3.50	.054	3.57	3.38	9	79.3	2.04	82.7	76.7	8
1000	3.36	.076	3.43	3.16	9	73.4	1.97	76.2	70.5	8
1200	2.88	.044	2.93	2.81	9	67.8	1.98	70.0	63.5	8
1500	2.93	.049	2.89	2.75	9	59.6	2.17	61.8	54.4	8
2000	1.79	.057	1.83	1.75	9	41.0	1.56	51.9	50.3	8
2500	1.56	n/a	n/a	n/a	1	37.2	1.41	42.0	n/a	1

STATION MP08 APRIL 1956 to 1990

DELTA D						POT. ENERGY				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	11	.00	.000	.00	.00	11
10	.267	.0174	.290	.240	11	.01	.004	.02	.01	11
20	.496	.0356	.590	.490	11	.05	.005	.06	.05	11
50	.802	.0533	.880	.730	11	.12	.008	.13	.11	11
100	1.334	.0862	1.460	1.220	11	.34	.022	.37	.31	11
125	1.973	.1332	2.190	1.820	11	.75	.050	.83	.68	11
150	2.553	.1867	2.860	2.290	11	1.478	.106	1.43	1.08	11
175	3.005	.2352	3.410	2.710	11	2.36	.160	2.06	1.56	11
200	3.418	.2552	3.860	3.100	11	3.00	.189	2.69	2.10	11
225	3.799	.2653	4.260	3.460	11	3.69	.208	3.36	2.70	11
250	4.165	.2746	4.640	3.810	11	4.46	.223	4.08	3.37	11
300	4.522	.2817	5.010	4.160	11	5.29	.254	5.72	4.92	11
400	5.525	.2985	6.040	5.140	11	7.14	.290	7.63	6.74	11
500	6.789	.3175	7.320	6.350	10	11.57	.364	12.19	11.04	10
600	7.897	.3516	8.490	7.450	10	16.70	.475	17.53	16.12	10
700	8.931	.3665	9.560	8.470	10	22.50	.583	23.52	21.79	10
800	9.891	.3827	10.550	9.410	10	28.87	.702	30.10	27.99	10
900	10.787	.3999	11.480	10.290	10	35.70	.849	37.19	34.64	10
1000	11.622	.4168	12.350	11.110	10	42.94	1.024	44.74	41.65	10
1200	12.406	.4285	13.150	11.890	10	50.53	1.184	52.54	49.01	10
1500	13.847	.4508	14.640	13.330	10	66.65	1.543	69.14	64.42	10
2000	15.799	.4929	16.600	15.230	10	93.32	1.682	96.04	91.02	10
2500	18.570	.7212	19.080	18.060	10	141.94	3.811	144.64	139.25	10
	21.550	n/a	n/a	n/a	1	201.24	n/a	n/a	n/a	1
OXYGEN						SOUND				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1479	3.6	1486	1475	11
10	n/a	n/a	n/a	n/a	0	1479	3.8	1486	1475	11
20	n/a	n/a	n/a	n/a	0	1479	3.7	1486	1475	11
50	n/a	n/a	n/a	n/a	0	1479	3.9	1486	1475	11
75	n/a	n/a	n/a	n/a	0	1479	3.4	1487	1475	11
100	n/a	n/a	n/a	n/a	0	1479	1.9	1486	1475	11
125	n/a	n/a	n/a	n/a	0	1481	1.1	1483	1479	11
150	n/a	n/a	n/a	n/a	0	1480	1.3	1482	1478	11
175	n/a	n/a	n/a	n/a	0	1479	1.0	1481	1478	11
200	n/a	n/a	n/a	n/a	0	1479	1.1	1480	1477	11
225	n/a	n/a	n/a	n/a	0	1478	1.0	1480	1477	11
250	n/a	n/a	n/a	n/a	0	1477	1.1	1480	1476	11
300	n/a	n/a	n/a	n/a	0	1476	1.0	1478	1475	11
400	n/a	n/a	n/a	n/a	0	1476	0.9	1478	1475	11
500	n/a	n/a	n/a	n/a	0	1477	0.9	1478	1475	11
600	n/a	n/a	n/a	n/a	0	1477	0.7	1478	1476	11
700	n/a	n/a	n/a	n/a	0	1478	0.5	1479	1477	11
800	n/a	n/a	n/a	n/a	0	1479	0.5	1479	1478	11
900	n/a	n/a	n/a	n/a	0	1480	0.5	1480	1479	11
1000	n/a	n/a	n/a	n/a	0	1482	0.5	1482	1481	11
1200	n/a	n/a	n/a	n/a	0	1484	0.6	1484	1484	11
1500	n/a	n/a	n/a	n/a	0	1491	0.7	1491	1490	11
2000	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0					1
DELTA DH										
PRESS	MEAN	S.D.	MAX	MIN	N					
0	12.407	.4298	13.155	11.889	9					
10	12.138	.4150	12.869	11.627	9					
20	11.868	.4014	12.567	11.362	9					
30	11.600	.3888	12.275	11.101	9					
50	11.070	.3608	11.692	10.606	9					
75	10.426	.3169	10.966	10.045	9					
100	9.866	.2526	10.295	9.528	9					
125	9.391	.2056	9.743	9.107	9					
150	8.976	.1863	9.294	8.713	8					
175	8.593	.1770	8.891	8.342	8					
200	8.228	.1695	8.514	7.989	8					
225	7.873	.1633	8.149	7.646	7					
250	7.530	.1580	7.796	7.312	7					
300	6.867	.1456	7.114	6.667	6					
400	5.636	.1297	5.835	5.472	5					
500	4.511	.0978	4.669	4.382	4					
600	3.475	.0776	3.599	3.370	3					
700	2.514	.0590	2.696	2.430	2					
800	1.620	.0398	1.678	1.557	1					
900	1.784	.0190	.806	.749	1					
1000	1.000	.0000	.000	.000	1					
1200	-1.438	.0404	-1.343	-1.481	2					
1500	-3.372	.0415	-3.319	-3.440	2					
2000	-6.120	.1223	-6.034	-6.207	2					
2500	-8.677	n/a	n/a	n/a	1					

STATION MP08 M A Y 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N
0	9.60	.831	11.20	7.69	35
10	9.44	.792	11.00	7.50	35
20	9.25	.889	10.95	6.97	35
30	8.96	.913	10.85	6.92	35
50	8.23	.892	10.71	6.70	35
75	7.72	.668	9.11	6.36	35
100	7.38	.528	8.61	6.36	35
125	7.18	.354	8.06	6.54	35
150	7.00	.313	7.86	6.41	35
175	6.76	.290	7.63	6.20	35
200	6.50	.308	7.34	6.90	35
225	6.24	.300	7.04	6.65	35
250	5.97	.315	6.80	6.28	35
300	5.51	.293	6.50	4.98	35
400	4.89	.277	5.62	4.42	34
500	4.47	.197	4.91	4.12	31
600	4.22	.129	4.52	4.01	30
700	4.00	.163	4.29	3.83	30
800	3.78	.110	4.06	3.57	30
900	3.55	.084	3.69	3.38	30
1000	3.36	.064	3.49	3.21	30
1200	2.96	.069	3.12	2.83	27
1500	2.44	.060	2.59	2.33	22
2000	1.94	.022	1.97	1.91	7
2500	1.76	n/a	n/a	n/a	1

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N
0	32.326	.2224	32.675	31.623	35
10	32.330	.1966	32.679	31.887	35
20	32.381	.1555	32.684	31.976	35
30	32.412	.1431	32.696	32.043	35
50	32.505	.1007	32.775	32.256	35
75	32.653	.1488	32.993	32.413	35
100	32.629	.2892	33.572	32.486	35
125	32.459	.1969	33.789	32.898	35
150	32.714	.1035	33.878	32.445	35
175	32.824	.0543	34.910	32.686	35
200	32.875	.0399	34.977	32.786	35
225	32.901	.0331	34.971	32.829	35
250	32.915	.0320	34.970	32.849	35
300	32.941	.0317	34.996	32.865	35
400	32.609	.0283	34.945	32.924	31
500	32.093	.0295	34.151	34.006	30
600	32.174	.0279	34.225	34.106	30
700	32.245	.0280	34.314	34.187	30
800	32.306	.0258	34.362	34.245	30
900	32.353	.0211	34.393	34.301	30
1000	32.394	.0200	34.423	34.336	27
1200	32.455	.0178	34.483	34.409	27
1500	32.520	.0164	34.546	34.484	22
2000	32.592	.0122	34.603	34.567	22
2500	32.635	n/a	n/a	n/a	1

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N
0	24.952	.2386	25.365	24.267	35
10	24.982	.2065	25.392	24.597	35
20	24.056	.1861	25.496	24.609	35
30	25.120	.1873	25.518	24.653	35
50	25.303	.1495	25.570	24.928	35
75	25.494	.1590	25.816	25.147	35
100	25.838	.2461	26.284	25.369	35
125	26.204	.1652	26.465	25.697	35
150	26.428	.0834	26.570	26.227	35
175	26.547	.0504	26.642	26.459	35
200	26.622	.0366	26.684	26.548	35
225	26.676	.0294	26.724	26.613	35
250	26.721	.0297	26.784	26.653	35
300	26.799	.0279	26.869	26.744	35
400	26.925	.0304	27.000	26.859	34
500	27.039	.0283	27.110	26.977	31
600	27.129	.0246	27.183	27.076	30
700	27.298	.0233	27.271	27.164	30
800	27.280	.0224	27.334	27.239	30
900	27.339	.0181	27.375	27.303	30
1000	27.391	.0160	27.417	27.354	29
1200	27.476	.0150	27.505	27.446	27
1500	27.574	.0137	27.593	27.547	22
2000	27.672	.0092	27.682	27.654	7
2500	27.720	n/a	n/a	n/a	1

SVA

PRESS	MEAN	S.D.	MAX	MIN	N
0	301.3	22.72	366.5	261.9	35
10	298.6	19.64	335.2	259.5	35
20	292.2	17.73	334.3	249.8	35
30	285.7	17.86	330.3	247.8	35
50	268.6	14.28	304.5	243.0	35
75	250.7	15.18	283.9	220.1	35
100	218.4	23.39	263.0	176.1	35
125	184.1	15.70	232.2	159.3	35
150	163.1	7.92	182.1	149.7	35
175	152.1	4.84	160.6	143.0	35
200	145.3	3.55	152.7	139.3	35
225	140.4	2.88	146.8	135.7	35
250	136.3	2.95	143.2	130.2	35
300	129.3	2.77	135.0	122.4	35
400	118.0	3.06	124.2	110.5	34
500	107.8	2.79	113.5	100.7	31
600	99.9	2.39	104.9	94.7	30
700	93.0	2.25	97.3	87.0	30
800	86.8	2.18	91.0	81.5	30
900	81.5	1.76	85.1	78.2	30
1000	77.0	1.54	80.2	74.4	30
1200	69.4	1.45	72.6	66.3	27
1500	60.3	1.37	65.2	58.5	22
2000	51.3	.80	52.8	50.3	7
2500	47.7	n/a	n/a	n/a	1

THETA

PRESS	MEAN	S.D.	MAX	MIN	N
0	9.60	.831	11.20	7.69	35
10	9.44	.792	11.00	7.50	35
20	9.25	.889	10.95	6.97	35
30	8.96	.913	10.85	6.92	35
50	8.23	.892	10.71	6.70	35
75	7.71	.668	9.10	6.35	35
100	7.37	.528	8.60	6.35	35
125	7.17	.355	8.05	6.35	35
150	6.99	.313	7.84	6.39	35
175	6.75	.290	7.62	6.19	35
200	6.48	.308	7.32	5.88	35
225	6.29	.300	7.02	5.63	35
250	5.95	.315	6.78	5.26	35
300	5.49	.290	6.27	4.96	35
400	4.86	.277	5.59	4.39	34
500	4.43	.196	4.87	4.08	31
600	4.17	.128	4.47	3.97	30
700	3.94	.102	4.24	3.78	30
800	3.72	.110	4.00	3.51	30
900	3.48	.082	3.62	3.32	30
1000	3.28	.064	3.42	3.14	30
1200	2.87	.066	3.03	2.75	27
1500	2.34	.059	2.49	2.23	22
2000	1.80	.023	1.83	1.77	7
2500	1.59	n/a	n/a	n/a	1

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N
0	301.3	22.72	366.5	261.9	35
10	298.4	19.64	335.0	259.4	35
20	291.9	17.70	333.8	249.5	35
30	285.2	17.81	329.7	247.4	35
50	267.7	14.21	303.4	242.4	35
75	249.5	15.13	282.6	218.9	35
100	216.9	23.37	261.4	174.5	35
125	182.1	15.70	230.2	157.2	35
150	160.7	7.91	179.0	147.3	35
175	149.4	4.77	157.8	140.4	35
200	142.3	3.46	149.3	136.4	35
225	137.2	2.76	143.1	132.7	35
250	132.6	2.82	139.3	126.9	35
300	125.5	2.63	130.6	118.8	34
400	113.5	2.86	119.7	106.4	34
500	102.6	2.66	108.5	95.9	31
600	94.0	2.32	99.0	88.9	30
700	86.4	2.21	90.0	80.5	30
800	79.6	2.10	83.5	74.5	30
900	73.9	1.72	77.4	70.6	30
1000	69.0	1.52	72.5	66.5	29
1200	60.8	1.41	63.7	58.1	27
1500	51.5	1.32	54.0	49.7	22
2000	42.0	.86	43.7	41.1	7
2500	37.2	n/a	n/a	n/a	1

STATION MP08 M A Y 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	35	.00	.000	.00	.00	35
10	.301	.0218	.360	.260	35	.02	.005	.02	.01	35
20	.597	.0383	.670	.520	35	.06	.004	.07	.05	35
30	.885	.0542	1.000	.770	35	.13	.007	.15	.12	35
40	1.440	.0791	1.630	1.270	35	.36	.020	.41	.32	35
50	2.093	.1033	2.350	1.860	35	.78	.037	.87	.70	35
75	2.679	.1292	3.040	2.410	35	1.30	.073	1.49	1.18	35
100	3.186	.1618	3.600	2.880	35	1.87	.122	2.14	1.66	35
125	3.612	.1859	4.060	3.270	35	2.47	.160	2.83	2.20	35
150	4.004	.1972	4.460	3.640	35	3.12	.181	3.52	2.80	35
200	4.375	.2055	4.840	4.000	35	3.83	.195	4.26	3.47	35
225	4.731	.2103	5.200	4.350	35	4.60	.208	5.04	4.22	35
250	5.077	.2152	5.540	4.680	35	5.44	.219	5.89	5.03	35
300	5.741	.2240	6.210	5.330	35	7.30	.248	7.78	6.85	35
400	6.972	.2465	7.480	6.510	34	11.70	.331	12.31	11.09	34
500	8.093	.2757	8.640	7.570	31	16.84	.449	17.77	15.91	31
600	9.125	.2957	9.710	8.550	30	22.65	.585	23.88	21.41	30
700	10.090	.3135	10.710	9.470	30	29.03	.722	30.52	27.51	30
800	10.988	.3264	11.630	10.340	30	35.89	.865	37.56	34.14	30
900	11.828	.3384	12.490	11.150	30	43.17	1.015	45.01	41.09	30
1000	12.620	.3507	13.300	11.910	30	50.85	1.152	52.90	48.52	30
1200	14.067	.3615	14.700	13.320	27	67.16	1.461	69.75	64.30	27
1500	15.991	.4255	16.680	15.200	22	93.74	2.113	97.71	90.24	22
2000	18.817	.5254	19.550	18.170	7	142.89	2.411	147.94	140.59	7
2500	21.670	n/a	n/a	n/a	1	198.90	n/a	n/a	n/a	1

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.82	.092	6.88	6.75	2	1485	3.0	1491	1478	35
10	6.88	.035	6.90	6.85	2	1485	3.0	1491	1478	35
20	6.76	.205	6.90	6.51	2	1485	3.4	1491	1476	35
30	6.67	.304	6.89	6.46	2	1484	3.4	1490	1476	35
40	6.31	.785	6.86	5.75	2	1481	3.1	1491	1475	35
50	6.24	.806	6.81	5.67	2	1480	2.6	1485	1475	35
75	4.84	.955	5.51	4.16	2	1480	2.1	1484	1475	35
100	4.52	.608	4.95	4.09	2	1480	1.4	1484	1477	35
125	4.24	.368	4.50	3.98	2	1480	1.3	1483	1477	35
150	4.10	.078	4.15	4.04	2	1479	1.2	1483	1477	35
175	3.88	.233	4.04	3.71	2	1479	1.2	1482	1476	35
200	3.35	.481	3.69	3.01	2	1478	1.2	1481	1476	35
225	2.97	.714	3.47	2.46	2	1478	1.3	1481	1475	35
300	2.31	.495	2.66	1.96	2	1476	1.2	1480	1474	34
400	1.26	.615	1.69	.82	2	1476	1.2	1479	1474	34
500	.69	.262	.88	.51	2	1476	.9	1478	1474	31
600	.41	.156	.52	.30	2	1477	.6	1478	1476	30
700	.36	.078	.42	.31	2	1477	.4	1478	1477	30
800	.33	.007	.33	.32	2	1478	.6	1479	1477	30
900	.36	.042	.39	.33	2	1479	.4	1479	1478	30
1000	.41	.071	.46	.36	2	1480	.4	1480	1479	30
1200	.50	.000	.50	.50	2	1481	.5	1482	1481	27
1500	.77	.014	.78	.76	2	1484	.4	1485	1484	22
2000	1.52	n/a	n/a	n/a	1	1490	.5	1491	1490	7
2500	n/a	n/a	n/a	n/a	0	1498	n/a	n/a	n/a	1

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.620	.3503	13.300	11.914	30
10	12.321	.3446	12.995	11.652	30
20	12.026	.3382	12.689	11.395	30
30	11.738	.3307	12.383	11.101	30
50	11.187	.3138	11.784	10.560	30
75	10.536	.2894	11.118	9.960	30
100	9.947	.2511	10.450	9.457	30
125	9.444	.2166	9.864	9.021	30
150	9.013	.1992	9.403	8.602	30
175	8.622	.1888	9.000	8.225	30
200	8.251	.1814	8.609	7.866	30
225	7.896	.1750	8.235	7.524	30
250	7.552	.1697	7.873	7.191	30
300	6.889	.1573	7.182	6.557	30
400	6.658	.1294	5.911	5.401	30
500	4.534	.1032	4.735	4.322	30
600	4.495	.0785	3.649	3.321	30
700	2.531	.0569	2.639	2.404	30
800	1.633	.0358	1.701	1.563	30
900	.792	.0160	.824	.766	30
1000	.000	.000	.000	.000	30
1200	-1.459	.0300	-1.402	-1.520	27
1500	-3.399	.0733	-3.289	-3.556	27
2000	-6.165	.0833	-6.108	-6.350	27
2500	-8.575	n/a	n/a	n/a	1

STATION MP08 J U N E 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.38	1.139	14.10	10.20	20	32.140	.1972	32.474	31.670	20
10	12.16	1.074	13.75	10.12	20	32.161	.1656	32.474	31.787	20
20	11.76	1.036	13.01	9.89	20	32.237	.1774	32.470	31.787	20
30	10.92	1.130	12.94	8.81	20	32.315	.1855	32.502	31.785	20
50	8.74	.759	9.94	7.44	20	32.457	.1069	32.640	32.223	20
75	7.73	.705	9.32	6.65	20	32.628	.1424	32.890	32.458	20
100	7.38	.507	8.21	6.49	20	32.602	.2334	33.336	32.642	20
125	7.27	.483	7.92	6.62	20	32.432	.1943	33.651	33.023	20
150	7.12	.379	7.75	6.48	20	32.709	.1144	34.831	34.468	20
175	6.93	.344	7.42	6.37	19	32.826	.0753	33.912	33.670	19
200	6.70	.327	7.18	6.20	19	32.880	.0546	33.960	33.770	19
225	6.39	.355	6.94	5.87	18	32.903	.0482	34.000	33.798	18
250	6.11	.366	6.70	5.60	18	32.916	.0464	34.010	33.819	18
300	5.62	.385	6.31	4.95	18	32.942	.0312	34.010	33.896	18
400	4.99	.314	5.52	4.55	17	32.408	.0323	34.068	33.968	17
500	4.51	.192	4.88	4.20	16	32.482	.0359	34.155	34.029	16
600	4.20	.107	4.35	4.00	16	32.517	.0382	34.230	34.092	16
700	3.99	.082	4.10	3.79	16	32.420	.0316	34.297	34.192	16
800	3.76	.076	3.89	3.64	16	32.293	.0296	34.351	34.250	16
900	3.55	.068	3.65	4.42	16	32.446	.0252	34.400	34.316	16
1000	3.34	.086	3.48	3.17	16	32.386	.0229	34.432	34.359	16
1200	2.94	.069	3.04	2.76	16	32.446	.0256	34.493	34.410	16
1500	2.43	.036	2.50	2.37	12	32.451	.0253	34.557	34.467	12
2000	1.98	.021	1.99	1.96	12	32.459	.0092	34.596	34.590	12
2500	1.74	n/a	n/a	n/a	1	32.632	n/a	n/a	n/a	1
PRESS	SIGMA T					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.317	.2688	24.720	23.725	20	361.8	25.62	418.1	323.3	20
10	24.375	.2221	24.738	23.941	20	356.4	21.17	397.8	321.8	20
20	24.509	.2613	24.915	23.943	20	343.8	24.90	397.8	305.2	20
30	24.719	.2855	25.106	23.942	20	324.1	27.24	398.2	287.6	20
50	25.191	.1633	25.463	24.907	20	279.3	15.59	306.4	253.3	20
75	25.474	.1697	25.739	25.103	20	252.7	16.19	288.1	227.4	20
100	25.816	.1896	26.118	25.452	20	220.5	18.03	355.2	191.8	20
125	26.169	.1496	26.407	25.821	20	187.3	14.18	220.4	164.7	20
150	26.407	.0963	26.563	26.193	20	165.1	9.17	185.5	150.2	20
175	26.525	.0711	26.648	26.353	19	154.3	.79	170.7	142.5	19
200	26.600	.0530	26.704	26.472	19	147.5	.08	159.7	137.4	19
225	26.658	.0440	26.753	26.556	19	142.2	4.26	151.9	132.9	19
250	26.705	.0395	26.799	26.625	18	137.9	.87	145.6	128.8	18
300	26.785	.0361	26.880	26.730	18	130.6	.66	136.4	121.2	18
400	26.913	.0370	26.997	26.846	17	119.2	.70	126.0	111.6	17
500	27.026	.0387	27.100	26.942	16	109.1	3.80	117.4	101.9	16
600	27.118	.0292	27.175	27.063	16	101.0	2.76	106.2	95.5	16
700	27.197	.0254	27.257	27.163	16	94.0	2.43	97.4	88.4	16
800	27.270	.0222	27.320	27.239	16	87.6	2.04	90.5	82.9	16
900	27.334	.0187	27.378	27.313	16	82.0	1.78	84.0	77.8	16
1000	27.386	.0168	27.417	27.364	16	77.4	1.58	79.6	74.6	16
1200	27.471	.0201	27.502	27.439	16	69.8	1.88	73.0	67.0	16
1500	27.573	.0204	27.602	27.527	12	60.3	1.90	64.8	57.7	12
2000	27.670	.0073	27.674	27.667	12	51.6	.57	52.0	51.2	12
2500	27.719	n/a	n/a	n/a	1	47.7	n/a	n/a	n/a	1
PRESS	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.38	1.139	14.10	10.20	20	361.8	25.62	418.1	323.3	20
10	12.16	1.074	13.75	10.12	20	356.2	21.15	397.5	321.6	20
20	11.76	1.036	13.01	9.89	20	343.4	24.88	397.3	304.7	20
30	10.92	1.130	12.94	8.81	20	323.4	27.20	397.4	286.5	20
50	8.73	.756	9.93	7.44	20	278.5	15.53	305.4	252.6	20
75	7.72	.705	9.31	6.64	20	251.5	16.12	286.7	226.3	20
100	7.37	.507	8.20	6.48	20	218.9	18.03	253.5	190.2	20
125	7.26	.382	7.91	6.61	20	185.3	14.19	218.4	162.8	20
150	7.11	.379	7.72	6.47	20	162.7	9.13	183.0	148.6	20
175	6.92	.345	7.41	6.35	19	151.5	6.72	167.8	139.9	19
200	6.68	.327	7.17	6.18	19	144.4	5.01	156.5	134.5	19
225	6.37	.335	6.92	5.85	19	138.9	4.15	148.5	129.9	19
250	6.08	.365	6.68	5.58	18	134.4	3.74	142.0	125.5	18
300	5.60	.385	6.28	4.92	18	126.7	4.41	132.0	117.8	18
400	4.96	.314	5.49	4.52	17	114.6	3.48	120.9	106.6	17
500	4.47	.192	4.84	4.16	16	103.8	3.65	111.7	96.8	16
600	4.15	.106	4.31	3.96	16	95.1	2.75	100.3	89.7	16
700	3.94	.080	4.05	3.74	16	87.5	2.43	90.7	81.8	16
800	3.70	.076	3.83	3.58	16	80.5	2.08	83.5	75.8	16
900	3.48	.066	3.58	3.36	16	74.4	1.81	76.4	70.2	16
1000	3.27	.086	3.40	3.10	16	69.4	1.58	71.5	66.5	16
1200	2.95	.067	2.95	2.68	12	61.3	1.88	64.3	58.3	12
1500	2.33	.055	2.69	2.27	12	51.6	1.96	56.0	48.8	12
2000	1.84	.021	1.85	1.82	1	42.1	n/a	42.5	41.8	1
2500	1.57	n/a	n/a	n/a	1	37.3	n/a	n/a	n/a	1

STATION MP08 J U N E 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	20	.00	.000	.00	.00	20
10	.361	.0238	.410	.320	20	.02	.000	.02	.02	20
20	.714	.0439	.810	.640	20	.07	.005	.08	.07	20
30	1.050	.0652	1.210	.970	20	.16	.012	.19	.14	20
50	1.649	.0965	1.920	1.520	20	.40	.026	.47	.37	20
75	2.315	.1234	2.650	2.160	20	.83	.046	.94	.77	20
100	3.904	.1524	3.280	2.720	20	1.35	.075	1.50	1.27	20
125	3.414	.1751	3.790	3.190	20	1.93	.112	2.10	1.78	20
150	3.852	.1915	4.220	3.580	20	2.55	.141	3.79	2.33	20
175	4.251	.2112	4.620	3.950	19	3.20	.176	3.53	2.93	19
200	4.628	.2221	5.000	4.300	19	3.92	.199	4.32	3.62	19
225	4.989	.2299	5.370	4.650	19	4.71	.219	5.16	4.37	19
250	5.348	.2389	5.720	4.990	18	5.56	.241	6.06	5.18	18
300	6.019	.2498	6.400	5.640	18	7.45	.279	8.02	6.93	18
400	7.272	.2750	7.680	6.820	17	11.89	.390	12.58	11.04	17
500	8.424	.3046	8.850	7.890	16	17.13	.560	17.97	15.93	16
600	9.471	.3257	9.900	8.860	16	23.00	.724	24.02	21.41	16
700	10.447	.3408	10.890	9.780	16	29.46	.877	30.73	27.47	16
800	11.354	.3552	11.810	10.640	16	36.39	1.025	37.87	34.01	16
900	12.201	.3666	12.670	11.440	16	43.73	1.170	45.36	40.95	16
1000	12.998	.3767	13.470	12.200	16	51.44	1.311	53.21	48.33	16
1200	14.468	.3949	14.930	13.620	16	67.92	1.633	70.05	64.23	16
1500	16.354	.4684	16.880	15.510	12	94.29	2.426	97.91	90.19	12
2000	19.100	.6223	19.540	18.660	2	142.58	1.888	143.92	141.25	2
2500	22.000	n/a	n/a	n/a	1	200.49	n/a	n/a	n/a	1

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1495	4.0	1501	1487	20
10	n/a	n/a	n/a	n/a	0	1495	3.0	1500	1487	20
20	n/a	n/a	n/a	n/a	0	1493	3.5	1498	1487	20
30	n/a	n/a	n/a	n/a	0	1491	4.0	1497	1483	20
50	n/a	n/a	n/a	n/a	0	1483	2.9	1488	1478	20
75	n/a	n/a	n/a	n/a	0	1480	2.7	1486	1476	20
100	n/a	n/a	n/a	n/a	0	1479	2.0	1483	1476	20
125	n/a	n/a	n/a	n/a	0	1480	1.6	1483	1477	20
150	n/a	n/a	n/a	n/a	0	1480	1.5	1483	1478	20
175	n/a	n/a	n/a	n/a	0	1480	1.4	1482	1478	19
200	n/a	n/a	n/a	n/a	0	1480	1.3	1482	1478	19
225	n/a	n/a	n/a	n/a	0	1479	1.4	1481	1477	19
250	n/a	n/a	n/a	n/a	0	1478	1.5	1481	1476	18
300	n/a	n/a	n/a	n/a	0	1477	1.7	1480	1474	18
400	n/a	n/a	n/a	n/a	0	1476	1.3	1478	1474	17
500	n/a	n/a	n/a	n/a	0	1476	.7	1477	1475	16
600	n/a	n/a	n/a	n/a	0	1476	.6	1477	1475	16
700	n/a	n/a	n/a	n/a	0	1477	.5	1478	1476	16
800	n/a	n/a	n/a	n/a	0	1478	.4	1479	1477	16
900	n/a	n/a	n/a	n/a	0	1479	.4	1479	1478	16
1000	n/a	n/a	n/a	n/a	0	1480	.5	1480	1479	16
1200	n/a	n/a	n/a	n/a	0	1481	.5	1482	1480	16
1500	n/a	n/a	n/a	n/a	0	1484	.6	1484	1484	12
2000	n/a	n/a	n/a	n/a	0	1491	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0	1498	n/a	n/a	n/a	1

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.997	.3769	13.467	12.200	16
10	12.636	.3619	13.076	11.876	16
20	12.282	.3506	12.739	11.952	16
30	11.944	.3441	12.421	11.229	16
50	11.337	.3431	11.809	10.570	16
75	10.664	.3262	11.133	9.916	16
100	10.073	.2962	10.494	9.396	16
125	9.561	.2698	9.927	8.946	16
150	9.121	.2501	9.489	8.538	16
175	8.723	.2340	9.086	8.174	16
200	8.346	.2226	8.702	7.824	16
225	7.984	.2127	8.327	7.487	16
250	7.635	.2041	7.965	7.159	16
300	6.964	.1872	7.268	6.533	15
400	5.717	.1505	5.957	5.379	16
500	4.574	.1135	4.742	4.314	16
600	3.526	.0813	3.624	3.335	16
700	2.551	.0569	2.621	2.420	16
800	1.643	.0353	1.587	1.564	16
900	.796	.0163	.818	.763	16
1000	.000	.0000	.000	.000	16
1200	-1.470	.0350	-1.413	-1.523	16
1500	-3.408	.0933	-3.267	-3.590	12
2000	-6.135	.0545	-6.097	-6.174	12
2500	-8.642	n/a	n/a	n/a	1

STATION MP08 J U L Y 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	13.80	.884	15.49	12.50	12	32.244	.0998	32.397	32.115	12
10	13.74	.914	15.48	12.49	12	32.244	.1022	32.399	32.115	12
20	13.16	1.233	15.44	10.85	12	32.314	.1133	32.465	32.154	12
30	11.83	1.742	15.40	8.55	12	32.407	.1175	32.604	32.166	12
50	9.24	.896	10.53	7.26	12	32.504	.0766	32.692	32.400	12
75	7.99	.759	9.95	6.43	12	32.603	.0916	32.779	32.463	12
100	7.65	.574	8.43	6.48	12	32.908	.1973	33.216	32.564	12
125	7.42	.507	7.01	6.46	12	33.337	.2095	33.589	32.907	12
150	7.17	.461	7.82	6.61	12	33.631	.1392	33.812	33.310	12
175	6.91	.488	7.57	6.33	12	33.786	.0670	33.895	33.619	12
200	6.64	.476	7.24	5.95	12	33.859	.0466	33.908	33.775	12
225	6.38	.492	7.07	5.53	12	33.893	.0406	33.940	33.810	12
250	6.09	.518	6.77	5.24	12	33.910	.0427	33.969	33.827	12
300	5.65	.478	6.33	4.84	12	33.936	.0422	34.009	33.869	12
400	4.98	.383	5.52	4.31	12	34.000	.0346	34.071	33.944	12
500	4.56	.252	4.95	4.18	10	34.088	.0371	34.173	34.046	10
600	4.25	.290	4.49	3.92	10	34.165	.0347	34.235	34.119	10
700	4.03	.161	4.19	3.71	10	34.233	.0326	34.288	34.190	10
800	3.79	.121	3.99	3.61	10	34.292	.0268	34.335	34.258	10
900	3.56	.067	3.64	3.46	9	34.337	.0266	34.378	34.303	9
1000	3.34	.059	3.42	3.22	9	34.380	.0204	34.417	34.356	9
1200	2.96	.071	3.07	2.85	7	34.447	.0212	34.476	34.420	7
1500	2.45	.052	2.50	2.25	5	34.512	.0116	34.528	34.497	5
2000	1.88	.021	1.90	1.87	5	34.602	.0050	34.602	34.601	5
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.121	.2422	24.475	23.688	12	380.4	.23.10	421.7	346.7	12
10	24.133	.2450	24.475	23.697	12	379.5	.23.37	421.1	346.9	12
20	24.300	.3155	24.818	23.714	12	363.9	.30.10	419.8	344.4	12
30	24.618	.3884	25.216	23.728	12	333.7	.37.08	418.7	376.6	12
50	25.148	.1482	25.441	24.905	12	283.5	.14.17	306.7	255.4	12
75	25.416	.1383	25.689	25.228	12	258.3	.13.24	276.2	232.1	12
100	25.704	.2925	26.931	25.323	12	231.2	.19.31	267.5	199.9	12
125	26.074	.1779	26.312	25.692	12	196.4	.16.91	232.7	173.7	12
150	26.339	.1057	26.513	26.136	12	171.7	.10.05	190.7	155.1	12
175	26.495	.0682	26.630	26.393	12	157.1	.6.58	167.1	144.2	12
200	26.590	.0493	26.581	26.504	12	148.4	.4.84	156.8	139.6	12
225	26.651	.0444	26.733	26.581	12	142.8	.4.42	149.8	134.8	12
250	26.701	.0430	26.779	26.636	12	138.3	.4.31	144.8	130.6	12
300	26.778	.0340	26.825	26.730	12	131.4	.3.51	136.4	126.6	12
400	26.907	.0366	26.956	26.842	12	119.8	.3.72	126.4	114.8	12
500	27.024	.0398	27.098	26.969	10	109.3	.4.00	115.0	102.2	10
600	27.118	.0347	27.177	27.081	10	101.0	.3.40	104.8	95.5	10
700	27.196	.0285	27.241	27.166	10	94.2	.2.81	97.0	90.0	10
800	27.267	.0241	27.302	27.241	10	88.6	.2.36	90.4	84.7	10
900	27.326	.0214	27.362	27.302	10	82.8	.2.04	85.2	79.4	10
1000	27.381	.0180	27.414	27.360	10	77.8	.1.78	79.9	74.7	10
1200	27.469	.0175	27.496	27.447	10	70.0	.1.72	72.1	67.4	10
1500	27.566	.0119	27.580	27.550	10	60.9	.1.21	62.7	59.7	10
2000	27.684	.0000	27.685	27.683	2	49.9	.21	50.1	49.8	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

THETA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	13.80	.884	15.49	12.50	12	380.4	.23.10	421.7	346.7	12
10	13.74	.914	15.48	12.49	12	379.2	.23.35	420.8	346.7	12
20	13.16	1.233	15.44	10.85	12	363.4	.30.07	419.2	313.9	12
30	11.83	1.742	15.39	8.55	12	333.0	.36.99	417.8	276.0	12
50	9.23	.893	16.52	7.26	12	282.5	.14.10	305.6	254.7	12
75	7.98	.759	9.04	6.42	12	257.0	.13.13	274.8	231.1	12
100	7.64	.574	8.42	6.47	12	229.5	.19.25	265.8	198.5	12
125	7.40	.506	8.00	6.45	12	194.4	.16.90	230.7	171.8	12
150	7.16	.461	7.80	6.60	12	169.2	.10.05	188.5	152.7	12
175	6.90	.489	7.56	6.32	12	154.3	.6.46	164.0	141.5	12
200	6.62	.476	7.22	5.93	12	145.3	.4.66	153.5	136.7	12
225	6.36	.492	7.05	5.91	12	139.5	.4.20	146.1	131.7	12
250	6.07	.519	6.75	5.22	12	134.7	.4.65	140.9	127.4	12
300	5.62	.475	6.30	4.82	12	127.5	.3.23	132.0	123.0	12
400	4.95	.381	5.49	4.29	12	115.2	.3.44	121.3	110.5	12
500	4.52	.250	4.91	4.15	10	104.0	.3.80	109.2	96.9	10
600	4.21	.198	4.45	3.88	10	95.0	.3.24	98.5	89.5	10
700	3.98	.161	4.14	3.66	10	87.6	.2.68	90.4	83.3	10
800	3.73	.121	3.93	3.55	10	80.8	.2.26	83.3	77.5	10
900	3.49	.064	3.57	3.40	10	75.2	.2.03	77.4	71.8	10
1000	3.26	.059	3.35	3.15	10	69.1	.1.71	71.9	66.8	10
1200	3.288	.071	2.99	2.77	10	61.5	.1.69	63.6	58.8	10
1500	3.34	.051	2.40	2.28	10	52.2	.1.11	53.7	50.9	10
2000	1.75	.021	1.76	1.53	6	40.9	.1.14	41.0	40.0	6
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP08 J U L Y 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	12	.00	.000	.00	.00	12
10	.381	.0219	.420	.350	12	.02	.000	.02	.02	12
20	.757	.0474	.840	.690	12	.08	.007	.09	.07	12
30	1.107	.0766	1.260	1.020	12	.17	.012	.19	.15	12
50	1.723	.1249	2.000	1.550	12	.42	.032	.49	.37	12
75	2.399	.1435	2.680	2.180	12	.85	.045	.92	.77	12
100	0.099	.1702	3.10	2.750	12	1.39	.077	1.48	1.27	12
125	.543	.2037	3.870	3.260	12	2.00	.122	2.20	1.81	12
150	3.999	.2290	4.350	3.670	12	2.64	.165	2.93	2.38	12
175	4.410	.2430	4.790	4.060	12	3.32	.192	4.40	3.72	12
200	4.791	.2503	5.190	4.430	12	4.05	.208	5.19	4.47	12
225	5.154	.2582	5.580	4.780	12	4.83	.221	6.04	5.27	12
250	5.504	.2632	5.940	5.120	12	5.68	.239	7.97	7.08	12
300	6.179	.2755	6.630	5.770	12	7.57	.277	12.04	11.38	12
400	7.434	.2946	7.910	6.980	10	12.37	.374	12.50	11.38	12
500	8.622	.3112	9.090	8.090	10	17.25	.534	18.01	16.40	10
600	9.671	.3318	10.160	9.100	10	23.71	.723	24.09	22.05	10
700	10.647	.3554	11.160	10.040	10	29.71	.924	30.79	28.26	10
800	11.560	.3726	12.090	10.920	10	36.68	1.116	37.93	34.97	10
900	12.416	.4109	12.950	11.740	9	44.20	.1278	45.44	42.11	9
1000	13.218	.4230	13.760	12.520	9	51.97	.1436	53.29	49.62	9
1200	14.653	.4852	15.250	13.940	7	68.33	.1.968	70.13	65.57	7
1500	16.406	.4471	16.570	15.840	5	94.58	2.659	97.43	91.66	5
2000	18.725	.1909	18.860	18.590	6	140.83	.444	141.15	140.52	6
2500	n/a	n/a	n/a	n/a	6	n/a	n/a	n/a	n/a	6

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.27	.050	6.30	6.23	2	1500	2.7	1505	1496	12
10	6.30	.099	6.37	6.23	2	1500	3.0	1506	1496	12
20	6.49	.120	6.57	6.48	2	1498	4.2	1506	1490	12
30	6.74	.346	6.99	6.50	2	1494	6.1	1506	1482	12
50	6.84	.304	7.05	6.62	2	1485	3.4	1490	1478	12
75	6.68	.290	6.89	6.48	2	1480	2.9	1485	1475	12
100	5.28	.233	5.45	5.12	2	1481	2.1	1483	1476	12
125	4.00	.488	4.35	3.66	2	1480	1.9	1483	1477	12
150	3.24	.148	3.34	2.76	2	1480	1.8	1483	1478	12
175	2.95	.262	3.13	2.76	2	1480	1.8	1483	1478	12
200	2.70	.368	2.96	2.44	2	1480	2.0	1482	1477	12
225	2.45	.325	2.68	2.22	2	1479	2.0	1482	1475	12
250	2.24	.283	2.43	2.03	2	1478	2.0	1481	1475	12
300	1.88	.339	2.12	1.64	2	1477	2.0	1480	1474	12
400	1.41	.509	1.77	1.05	2	1476	1.6	1478	1473	12
500	.76	.382	1.03	.49	2	1476	1.2	1478	1475	10
600	.53	.226	.69	.37	2	1477	1.0	1478	1475	10
700	.47	.269	.66	.28	2	1477	.8	1478	1476	10
800	.44	.269	.63	.25	2	1478	.7	1479	1477	10
900	.42	.191	.55	.28	2	1479	.3	1479	1478	9
1000	.39	.120	.48	.31	2	1480	.4	1480	1479	9
1200	.52	.148	.63	.42	2	1481	.5	1482	1481	5
1500	.79	.134	.89	.70	2	1484	.6	1484	1484	5
2000	1.51	n/a	n/a	n/a	1	1490	n/a	1490	1490	0
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.218	.4237	13.761	12.517	9
10	12.836	.4092	13.339	12.156	9
20	12.462	.3923	12.919	11.799	9
30	12.116	.3698	12.553	11.463	9
50	11.508	.3458	11.939	10.869	9
75	10.832	.3321	11.236	10.206	9
100	10.217	.3012	10.555	9.653	9
125	9.673	.2736	9.936	9.183	9
150	9.214	.2612	9.499	8.773	9
175	8.801	.2501	9.079	8.397	9
200	8.419	.2415	8.687	8.041	9
225	8.054	.2318	8.310	7.696	9
250	7.702	.2237	7.948	7.345	9
300	7.025	.2054	7.241	6.682	9
400	5.762	.1713	5.932	5.462	9
500	4.607	.1296	4.725	4.373	9
600	3.552	.0927	3.643	3.391	9
700	2.574	.0639	2.639	2.464	9
800	1.657	.0395	1.701	1.590	9
900	.802	.0180	.822	.771	9
1000	.000	.0000	.000	.000	9
1200	-1.473	.0391	-1.419	-1.513	5
1500	-3.419	.0894	-3.321	-3.521	5
2000	-6.084	.0198	-6.070	-6.098	5
2500	n/a	n/a	n/a	n/a	0

STATION MP08 A U G U S T 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	15.62	.801	17.18	14.07	26	32.029	.2652	32.425	31.224	26	
10	15.41	.867	17.03	13.98	26	32.044	.2497	32.428	31.212	26	
20	14.58	1.235	16.93	12.08	26	32.125	.1703	32.438	31.731	26	
30	12.92	1.744	15.89	9.62	26	32.217	.1763	32.471	31.885	26	
50	9.54	1.099	12.41	7.89	26	32.429	.1146	32.610	32.059	26	
75	8.04	.731	9.42	6.86	26	32.611	.1136	32.860	32.418	26	
100	7.60	.514	8.42	6.86	26	32.972	.2030	33.437	32.645	26	
125	7.43	.316	7.95	6.93	26	33.424	.1702	33.740	32.977	26	
150	7.25	.294	7.89	6.51	26	33.816	.0609	33.894	33.660	26	
175	7.01	.321	7.63	6.51	26	33.880	.0420	33.936	33.780	26	
200	6.75	.331	7.36	6.27	26	33.907	.0353	33.953	33.826	26	
225	6.48	.355	7.14	5.97	26	33.927	.0359	33.977	33.830	26	
250	6.23	.359	7.05	5.57	26	33.953	.0318	34.002	33.867	26	
300	5.76	.351	6.70	5.16	26	34.010	.0321	34.076	33.967	25	
400	5.06	.302	5.87	4.59	25	34.082	.0292	34.153	34.038	22	
500	4.59	.237	5.31	4.23	22	34.162	.0304	34.224	34.089	22	
600	4.30	.136	4.56	4.08	22	34.231	.0294	34.284	34.164	22	
700	4.02	.104	4.25	3.82	22	34.292	.0257	34.331	34.238	22	
800	3.79	.079	3.95	3.66	22	34.343	.0238	34.380	34.296	22	
900	3.57	.072	3.69	3.40	22	34.387	.0218	34.435	34.345	22	
1000	3.37	.067	3.59	3.26	22	34.450	.0212	34.495	34.412	22	
1200	2.97	.066	3.07	2.86	22	34.520	.0123	34.540	34.503	12	
1500	2.46	.052	2.55	2.37	12	34.594	.0158	34.606	34.566	6	
2000	1.95	.021	1.98	1.93	6	34.650	n/a	n/a	n/a	1	
2500	1.76	n/a	n/a	n/a	1						

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	23.572	.2757	24.067	22.940	26	432.8	.2632	493.1	385.6	26
10	23.628	.2353	24.068	23.166	26	427.7	.2245	471.7	385.7	26
20	23.864	.2200	24.296	23.370	26	405.4	.2178	452.6	364.1	26
30	24.264	.3481	24.788	23.599	26	367.5	.3325	431.0	317.4	26
50	25.039	.2322	25.333	24.255	26	293.9	.2218	368.7	265.8	26
75	25.414	.1572	25.735	25.056	26	258.4	.1504	292.7	227.8	26
100	25.763	.1855	26.089	25.406	26	225.6	.1767	259.6	194.5	26
125	26.141	.1435	26.375	25.718	26	190.1	.1363	230.3	167.8	26
150	26.373	.0847	26.543	26.168	26	168.4	.808	188.0	152.2	26
175	26.507	.0612	26.614	26.378	26	156.0	.587	168.4	145.7	26
200	26.593	.0528	26.682	26.430	26	148.2	.511	163.8	139.6	26
225	26.650	.0449	26.730	26.500	26	143.0	.438	157.4	135.2	26
250	26.697	.0419	26.773	26.565	26	138.7	.4.13	151.6	131.3	26
300	26.778	.0347	26.852	26.677	26	131.4	.3.47	141.6	124.2	26
400	26.907	.0391	26.968	26.797	25	119.8	.3.89	130.8	113.9	25
500	27.016	.0391	27.076	26.900	22	110.1	.3.91	121.8	104.6	22
600	27.112	.0331	27.159	27.025	22	101.7	.3.26	110.2	97.1	22
700	27.195	.0275	27.235	27.118	22	94.3	.2.68	101.9	90.5	22
800	27.267	.0243	27.299	27.208	22	88.0	.2.36	93.8	84.9	22
900	27.329	.0206	27.361	27.288	22	82.5	.2.01	86.5	79.5	22
1000	27.384	.0200	27.425	27.345	22	77.7	.1.95	81.4	73.9	22
1200	27.471	.0189	27.508	27.435	22	69.8	.1.82	73.4	66.1	22
1500	27.572	.0127	27.595	27.553	12	60.5	.1.31	62.5	58.0	12
2000	27.672	.0132	27.684	27.651	6	51.4	.1.16	53.2	50.2	6
2500	27.732	n/a	n/a	n/a	1	46.7	n/a	n/a	n/a	1

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	15.62	.801	17.18	14.07	26	432.8	.2632	493.1	385.6	26
10	15.41	.867	17.03	13.98	26	427.4	.2246	471.5	385.4	26
20	14.58	1.235	16.93	12.08	26	404.9	.2176	452.0	363.6	26
30	12.92	1.744	15.89	9.62	26	366.7	.3316	430.1	316.8	26
50	9.54	1.099	12.40	7.09	26	292.9	.2209	367.5	264.9	26
75	8.04	.732	9.41	6.84	26	257.2	.14.95	291.2	226.6	26
100	7.59	.514	8.41	6.85	26	224.0	.17.63	257.9	193.0	26
125	7.42	.316	7.94	6.92	26	188.0	.13.62	228.2	165.8	26
150	7.24	.295	7.79	6.81	26	166.0	.8.04	185.4	149.9	26
175	6.99	.320	7.61	6.49	26	153.2	.5.81	165.5	143.0	26
200	6.74	.400	7.34	6.26	26	145.1	.5.00	160.5	136.6	26
225	6.46	.355	7.12	5.95	26	139.6	.4.26	153.8	132.0	26
250	6.21	.358	7.03	5.55	26	135.1	.3.98	147.7	127.9	26
300	5.73	.450	6.67	5.13	26	127.5	.3.27	137.0	120.5	26
400	5.02	.401	5.84	4.56	25	115.2	.3.70	125.5	109.3	25
500	4.55	.236	5.27	4.19	22	104.8	.3.70	115.7	99.1	22
600	4.25	.135	4.52	4.04	22	95.6	.3.12	103.8	89.2	22
700	3.97	.104	4.20	3.77	22	87.7	.2.60	94.9	83.9	22
800	3.73	.079	3.89	3.60	22	80.8	.2.29	86.4	77.8	22
900	3.51	.071	3.63	3.34	22	74.9	.1.96	78.8	71.9	22
1000	3.30	.069	3.43	1.19	22	69.6	.1.90	73.3	65.8	22
1200	2.88	.064	2.98	2.78	12	61.3	.1.76	64.7	57.8	22
1500	2.35	.051	2.44	2.27	6	51.7	.1.17	53.4	49.5	12
2000	1.81	.020	1.84	1.79	6	42.0	1.21	44.0	40.9	6
2500	1.58	n/a	n/a	n/a	1	36.1	n/a	n/a	n/a	1

STATION MP08 A U G U S T 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	26	.00	.000	.00	.00	26
10	.433	.0255	.490	.390	26	.02	.002	.03	.02	26
20	.852	.0417	.920	.770	26	.09	.005	.09	.08	26
30	1.240	.0519	1.350	1.140	26	.19	.010	.21	.17	26
50	1.903	.0957	2.110	1.750	26	.45	.032	.53	.41	26
75	2.592	.1343	2.920	2.370	26	.89	.057	1.05	.81	26
100	3.193	.1690	3.610	2.890	26	1.43	.087	1.66	1.28	26
125	3.713	.2003	4.230	3.350	26	2.02	.126	2.37	1.80	26
150	4.160	.2200	4.750	3.740	26	2.65	.157	3.09	2.35	26
175	4.565	.2288	5.180	4.110	26	3.32	.177	.81	2.96	26
200	4.943	.2337	5.580	4.470	26	4.04	.192	4.58	3.64	26
225	5.307	.2402	5.960	4.810	26	4.83	.207	5.40	4.39	26
250	5.659	.2433	6.320	5.150	26	5.68	.221	6.27	5.21	26
300	6.334	.2506	7.000	5.800	26	7.57	.253	8.18	7.03	26
400	7.562	.2321	7.970	7.000	25	12.02	.313	12.57	11.31	25
500	8.697	.2607	9.120	8.090	25	17.28	.474	18.16	16.29	25
600	9.754	.2781	10.180	9.100	25	23.20	.639	24.54	21.94	22
700	10.733	.2937	11.160	10.030	25	29.68	.808	31.56	28.13	22
800	11.644	.3112	12.080	10.910	25	36.64	.983	39.02	34.82	22
900	12.496	.3266	12.940	11.730	22	44.02	1.154	46.79	41.98	22
1000	13.296	.3411	13.740	12.510	22	51.77	1.327	54.84	49.47	22
1200	14.770	.3680	15.240	13.950	22	68.28	1.682	71.99	65.57	22
1500	16.663	.4192	17.150	15.860	12	94.93	2.423	99.49	91.68	12
2000	19.493	.4242	19.960	18.830	6	144.55	2.980	149.26	140.78	6
2500	21.270	n/a	n/a	n/a	1	196.66	n/a	n/a	n/a	1

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.06	.334	6.43	5.78	3	1506	2.5	1511	1501	26
10	6.03	.266	6.32	5.80	3	1505	2.8	1510	1500	26
20	6.15	.138	6.25	5.99	16	1503	4.2	1510	1494	26
30	6.39	.340	6.78	6.16	16	1498	6.0	1508	1486	26
50	6.36	.575	6.80	5.71	16	1486	4.0	1496	1480	26
75	6.20	.234	6.37	5.93	16	1481	2.8	1486	1476	26
100	5.30	.105	5.41	5.20	16	1480	2.1	1483	1477	26
125	4.20	.214	4.36	3.96	16	1481	1.2	1483	1479	26
150	3.91	.300	4.22	3.62	16	1480	1.3	1483	1478	26
175	3.80	.408	4.26	3.48	16	1480	1.4	1482	1478	26
200	3.70	.526	4.25	3.20	16	1479	1.5	1482	1477	26
225	3.39	.445	3.87	3.99	16	1479	1.5	1482	1476	26
250	2.87	.624	3.53	2.29	16	1478	1.4	1481	1475	26
300	2.36	.562	2.95	1.83	16	1476	1.0	1480	1474	25
400	1.57	.530	2.15	1.11	16	1477	.7	1478	1476	22
500	1.11	.426	1.57	.73	16	1477	.5	1478	1477	22
600	.73	.320	1.10	.51	16	1478	.4	1479	1478	22
700	.56	.093	.67	.50	16	1479	.3	1479	1478	22
800	.38	.087	.48	.33	16	1480	.4	1480	1479	22
900	.38	.064	.45	.34	16	1480	.3	1479	1478	22
1000	.37	.036	.41	.34	16	1481	.5	1482	1481	22
1200	.43	.010	.44	.42	16	1484	.4	1485	1484	12
1500	.79	.085	.85	.73	16	1491	.5	1491	1490	1
2000	1.50	.049	1.53	1.46	22	1498	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0					

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.296	.3416	13.745	12.507	22
10	12.864	.3303	13.310	12.121	22
20	12.445	.3210	12.879	11.732	22
30	12.061	.3102	12.448	11.363	22
50	11.411	.2919	11.854	10.753	22
75	10.728	.2753	11.222	10.135	22
100	10.128	.2563	10.658	9.616	22
125	9.616	.2499	10.175	9.162	22
150	9.174	.2439	9.737	8.770	22
175	8.772	.2367	9.334	8.394	22
200	8.393	.2284	8.947	8.038	22
225	8.031	.2204	8.577	7.694	22
250	7.679	.2125	8.219	7.358	22
300	7.004	.1965	7.523	6.706	22
400	5.748	.1611	6.182	5.506	22
500	4.599	.1256	4.928	4.419	22
600	3.541	.0932	3.766	3.411	22
700	2.563	.0658	2.705	2.474	22
800	1.653	.0414	1.737	1.593	22
900	.801	.0206	.845	.766	22
1000	.000	.0000	.000	.000	22
1200	-1.473	.0371	-1.402	-1.531	22
1500	-3.423	.0874	-3.269	-3.563	12
2000	-6.230	.1369	-6.073	-6.463	6
2500	-8.513	n/a	n/a	n/a	1

STATION MP08 S E P T E M B E R 1956 to 1990

TEMPERATURE

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	15.05	1.049	17.30	12.84	22	32.117	.1697	32.470	31.750	22
10	14.95	1.019	17.21	12.63	22	32.110	.1623	32.460	31.770	22
20	14.56	1.053	16.41	12.29	22	32.133	.1455	32.469	31.930	22
30	13.04	1.756	15.13	9.77	22	32.255	.1675	32.600	31.980	22
50	9.20	.970	11.45	9.54	22	32.532	.1136	32.760	32.246	22
75	7.76	.541	9.02	6.70	22	32.715	.1976	32.250	32.470	22
100	7.39	.405	8.23	6.72	22	33.024	.2796	32.600	32.589	22
125	7.28	.266	7.71	6.73	22	33.418	.2279	32.770	32.950	22
150	7.15	.310	7.58	6.59	22	33.691	.1482	32.862	32.397	22
175	6.94	.336	7.53	6.35	22	33.826	.0787	32.955	32.676	22
200	6.67	.330	7.27	6.13	22	33.879	.0524	32.990	32.788	22
225	6.39	.326	7.06	5.89	22	33.905	.0438	32.000	32.826	22
250	6.12	.338	6.87	5.59	22	33.918	.0392	32.009	32.834	22
300	5.67	.329	6.43	5.15	21	33.941	.0378	32.000	32.862	21
400	5.02	.264	5.53	4.59	20	34.011	.0352	32.064	32.939	20
500	4.59	.228	5.02	4.13	19	34.084	.0314	32.134	32.014	19
600	4.28	.168	4.63	3.95	19	34.164	.0291	32.206	32.114	19
700	4.02	.128	4.31	3.75	19	34.233	.0250	32.277	32.180	19
800	3.81	.102	4.01	3.59	18	34.294	.0246	32.338	32.248	18
900	3.60	.083	3.74	3.35	18	34.346	.0214	32.382	32.307	18
1000	3.39	.081	3.52	3.16	18	34.389	.0157	32.416	32.365	18
1200	3.29	.058	3.11	2.85	18	34.450	.0171	32.489	32.428	18
1500	2.47	.044	2.57	2.42	10	34.514	.0176	32.549	32.494	10
2000	1.95	.012	1.96	1.93	6	34.586	.0088	32.597	32.574	6
2500	1.77	n/a	n/a	n/a	1	34.639	n/a	n/a	n/a	1

SIGMA T

SVA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	23.761	.2694	24.196	23.154	22	414.7	25.71	472.7	373.2	22
10	23.776	.2539	24.237	23.175	22	413.6	24.24	471.0	369.6	22
20	23.876	.2295	24.379	23.488	22	404.3	21.89	441.3	356.3	22
30	24.271	.4086	25.079	23.650	22	366.8	.39.02	426.2	289.7	22
50	25.176	.2016	25.508	24.577	22	280.8	.19.26	338.0	249.2	22
75	25.538	.1798	26.004	25.246	22	246.6	.17.11	274.5	202.3	22
100	25.833	.2164	26.248	25.456	22	218.9	.20.53	254.8	179.6	22
125	26.158	.1706	26.423	25.819	22	188.4	.16.16	220.6	163.4	22
150	26.389	.1122	26.546	26.136	22	166.8	.10.63	191.0	151.9	22
175	26.525	.0697	26.677	26.336	22	154.3	.6.66	172.4	139.7	22
200	26.602	.0556	26.745	26.459	22	147.2	.5.35	161.0	133.5	22
225	26.660	.0465	26.783	26.559	22	142.0	.4.50	151.7	130.1	22
250	26.705	.0426	26.820	26.630	22	137.9	.4.17	145.4	126.7	22
300	26.780	.0351	26.873	26.704	21	131.2	.3.46	138.9	122.1	21
400	26.912	.0354	26.996	26.863	20	119.3	.3.49	124.2	111.0	20
500	27.018	.0251	27.072	26.979	19	109.9	.2.51	113.6	104.4	19
600	27.115	.0216	27.164	27.081	19	101.3	.2.13	105.0	96.4	19
700	27.196	.0225	27.243	27.156	19	94.2	.2.21	98.4	89.3	19
800	27.266	.0220	27.314	27.227	18	88.1	.2.14	92.1	83.2	18
900	27.329	.0197	27.362	27.299	18	82.6	.1.93	85.7	79.0	18
1000	27.383	.0153	27.409	27.360	18	77.8	.1.57	80.1	75.1	18
1200	27.470	.0152	27.502	27.448	18	69.9	.1.47	72.2	67.0	18
1500	27.567	.0165	27.598	27.542	10	61.1	.1.65	63.7	57.9	10
2000	27.666	.0072	27.674	27.657	6	52.0	.64	52.8	51.2	6
2500	27.722	n/a	n/a	n/a	1	47.6	n/a	n/a	n/a	1

THETA

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	15.05	1.049	17.30	12.84	22	414.7	25.71	472.7	373.2	22
10	14.95	1.020	17.21	12.63	22	413.3	24.23	470.7	369.3	22
20	14.56	1.053	16.41	12.28	22	403.7	21.86	440.7	355.8	22
30	13.04	1.756	15.13	9.77	22	366.1	.38.93	425.3	289.1	22
50	9.19	.969	11.45	7.53	22	279.9	.19.19	336.9	248.3	22
75	7.75	.541	9.01	6.69	22	245.4	.17.09	273.1	201.1	22
100	7.38	.405	8.22	6.71	22	217.3	.20.55	253.1	177.9	22
125	7.27	.267	7.70	6.71	22	186.5	.16.19	218.6	161.3	22
150	7.14	.308	7.56	6.58	22	164.4	.10.65	188.5	149.6	22
175	6.92	.337	7.51	6.33	22	151.5	.6.60	169.4	137.1	22
200	6.65	.329	7.25	6.11	22	144.1	.5.26	157.7	130.6	22
225	6.37	.326	7.04	5.87	22	138.7	.4.40	148.2	127.0	22
250	6.09	.337	6.85	5.57	22	134.4	.4.02	141.4	123.5	22
300	5.64	.327	6.40	5.13	21	127.3	.3.31	134.4	118.5	21
400	4.99	.263	5.49	4.56	20	114.7	.3.31	119.3	106.7	20
500	4.55	.225	4.97	4.10	19	104.5	.2.36	108.2	99.4	19
600	4.23	.166	4.59	3.91	19	95.3	.2.05	98.5	90.7	19
700	3.97	.129	4.26	3.70	19	87.6	.2.14	91.3	83.1	19
800	3.75	.162	4.95	3.53	18	80.8	.2.07	84.5	76.4	18
900	3.53	.084	3.67	2.28	18	74.9	.1.87	77.7	71.8	18
1000	3.32	.081	3.45	3.09	18	69.7	.1.45	71.9	67.3	18
1200	2.99	.056	3.02	2.77	18	61.4	.1.43	63.9	58.4	18
1500	2.37	.044	2.47	2.32	10	52.2	.1.55	54.5	49.2	10
2000	1.81	.012	1.82	1.79	6	42.6	.67	43.4	41.6	6
2500	1.59	n/a	n/a	n/a	1	37.0	n/a	n/a	n/a	1

STATION MP08 S E P T E M B E R 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	22	.00	.000	.00	.00	22
10	.415	.0272	.480	.370	22	.02	.000	.02	.02	22
20	.825	.0451	.910	.740	22	.08	.005	.09	.08	22
30	1.217	.0605	1.320	1.060	22	.18	.010	.20	.16	22
50	1.855	.0891	2.000	1.600	22	.44	.029	.49	.37	22
75	2.510	.1164	2.690	2.170	22	.86	.049	.97	.73	22
100	3.090	.1520	3.330	2.640	22	1.37	.086	1.54	1.15	22
125	3.599	.1866	3.920	3.070	22	1.96	.133	2.21	1.64	22
150	4.041	.2122	4.430	3.460	22	2.58	.175	2.93	2.20	22
175	4.440	.2285	4.880	3.840	22	3.24	.205	3.67	3.02	22
200	4.817	.2381	5.300	4.210	22	3.96	.226	4.47	3.52	22
225	5.178	.2483	5.690	4.560	22	4.74	.245	5.31	4.29	22
250	5.528	.2543	6.960	4.910	22	5.58	.263	6.21	5.13	22
300	6.211	.2675	6.760	5.570	21	7.49	.298	8.17	6.91	21
400	7.456	.2967	8.040	6.790	20	11.93	.403	12.75	11.04	20
500	8.605	.3257	9.240	7.920	19	17.20	.522	18.20	15.98	19
600	9.660	.3426	10.320	8.960	19	23.12	.636	24.25	21.60	19
700	10.636	.3588	11.320	9.910	18	29.58	.758	30.90	27.76	19
800	11.548	.3867	12.260	10.780	18	36.55	.938	38.10	34.33	18
900	12.403	.4012	13.140	11.610	18	43.93	1.091	45.70	41.37	18
1000	13.204	.4134	13.970	12.390	18	51.71	1.238	53.73	48.84	18
1200	14.679	.4326	15.480	13.850	18	68.22	1.516	70.61	64.87	18
1500	16.738	.4390	17.450	15.960	16	95.58	1.901	97.82	92.34	16
2000	19.572	.4322	19.940	18.810	6	146.20	2.134	149.20	143.64	6
2500	21.830	n/a	n/a	n/a	1	201.84	n/a	n/a	n/a	1

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	5.82	.391	6.12	5.38	33	1504	.3.3	1511	1497	22
10	5.62	.743	6.13	4.77	33	1504	.4.4	1511	1496	22
20	5.38	1.186	6.13	4.01	33	1503	.6	1509	1495	22
30	5.54	1.137	6.36	4.24	33	1498	.9	1505	1487	22
50	5.36	1.669	6.63	3.47	33	1485	.6	1493	1479	22
75	5.30	1.625	6.43	3.44	33	1480	.7	1485	1476	22
100	4.30	.869	4.97	3.32	32	1480	1.2	1482	1477	22
125	3.57	.831	4.38	2.72	32	1480	1.3	1482	1478	22
150	2.90	.765	4.78	2.37	32	1480	1.4	1482	1478	22
175	2.83	.692	6.62	2.35	32	1480	1.3	1482	1477	22
200	2.92	.909	3.96	2.28	32	1479	1.4	1482	1477	22
225	2.81	.809	3.73	2.22	32	1478	1.4	1481	1476	22
250	2.64	.755	3.51	2.16	32	1477	1.3	1480	1475	21
300	2.38	.438	2.69	2.07	32	1476	1.2	1478	1474	20
400	1.53	.000	1.53	1.53	32	1476	1.1	1478	1474	19
500	.84	.021	.85	.82	32	1477	.8	1478	1475	19
600	.57	.099	.64	.50	32	1477	.7	1479	1476	19
700	.46	.042	.49	.43	32	1478	.5	1479	1477	18
800	.38	.014	.39	.37	32	1479	.4	1480	1478	18
900	.38	.042	.41	.35	32	1480	.2	1480	1479	18
1000	.38	.095	.44	.31	32	1481	.3	1482	1481	18
1200	.42	.035	.45	.40	32	1484	.3	1485	1484	16
1500	.73	.064	.78	.69	32	1491	.4	1491	1490	6
2000	1.48	.085	1.54	1.42	32	1498	n/a	n/a	n/a	1

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.205	.4142	13.969	12.389	18
10	12.787	.4124	13.576	12.017	18
20	12.376	.4079	13.184	11.636	18
30	11.987	.3906	12.790	11.250	18
50	11.357	.3445	12.031	10.665	18
75	10.699	.3117	11.275	10.025	18
100	10.117	.2773	10.634	9.471	18
125	9.605	.2450	10.045	9.001	18
150	9.161	.2261	9.537	8.591	18
175	8.761	.2118	9.115	8.229	18
200	8.384	.2001	8.729	7.888	18
225	8.023	.1891	8.352	7.559	18
250	7.673	.1794	7.985	7.238	18
300	7.000	.1607	7.272	6.615	18
400	5.748	.1260	5.959	5.457	18
500	4.599	.0990	4.776	4.378	18
600	3.543	.0778	3.687	3.376	18
700	2.567	.0584	2.671	2.444	18
800	1.656	.0364	1.717	1.585	18
900	.803	.0175	.830	.772	18
1000	.000	.0000	.000	.000	18
1200	-1.473	.0303	-1.424	-1.513	18
1500	-3.444	.0695	-3.299	-3.535	10
2000	-6.285	.0964	-6.171	-6.448	6
2500	-8.705	n/a	n/a	n/a	1

STATION MP08 OCTOBER 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	13.08	1.404	14.90	10.60	9	32.197	.1545	32.510	32.005	9	
10	13.07	1.490	14.89	10.23	9	32.200	.1530	32.495	32.003	9	
20	12.98	1.412	14.33	10.19	9	32.210	.1420	32.488	32.003	9	
30	12.15	1.025	13.42	10.17	9	32.277	.1289	32.508	32.074	9	
50	8.45	.556	9.45	7.81	9	32.581	.1035	32.801	32.466	9	
75	7.57	.357	8.07	6.98	9	32.818	.1909	33.216	32.614	9	
100	7.35	.343	7.81	6.73	9	32.208	.2368	33.618	32.908	9	
125	7.31	.258	7.72	6.88	9	33.587	.1304	33.801	33.398	9	
150	7.15	.199	7.46	6.89	9	33.805	.0569	33.870	33.693	9	
175	6.92	.162	7.19	6.63	9	33.888	.0471	33.961	33.794	9	
200	6.67	.168	6.85	6.34	9	33.928	.0324	33.998	33.885	9	
225	6.41	.150	6.65	6.19	9	33.950	.0405	34.037	33.898	9	
250	6.17	.140	6.39	5.95	9	33.961	.0380	34.040	33.906	9	
300	5.82	.149	6.04	5.50	9	33.992	.0476	34.089	33.915	9	
400	5.10	.217	5.35	4.77	9	34.039	.0275	34.209	34.068	9	
500	4.67	.142	4.91	4.44	9	34.114	.0430	34.249	34.117	9	
600	4.30	.131	4.52	4.09	9	34.181	.0393	34.351	34.304	9	
700	4.05	.105	4.25	3.94	9	34.249	.0301	34.365	34.269	9	
800	3.82	.094	3.99	3.65	9	34.363	.0258	34.420	34.337	9	
900	3.60	.123	3.77	3.38	9	34.398	.0234	34.447	34.366	9	
1000	3.38	.110	3.53	3.18	9	34.457	.0200	34.496	34.436	9	
1200	2.96	.099	3.07	2.78	9	34.514	.0105	34.524	34.500	9	
1500	2.43	.054	2.48	2.34	5	34.593	.0059	34.597	34.587	5	
2000	1.94	.029	1.96	1.90	4	34.629	n/a	n/a	n/a	1	
2500	1.78	n/a	n/a	n/a	1					1	
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
SIGMA T						SVA					
0	24.222	.3084	24.627	23.853	9	370.7	.29.43	406.0	332.1	9	
10	24.228	.3202	24.699	23.850	9	370.5	.30.54	406.5	325.5	9	
20	24.253	.2938	24.709	23.910	9	368.3	.28.04	401.0	324.7	9	
30	24.467	.1662	24.715	24.226	9	348.1	.15.85	371.1	324.4	9	
50	25.332	.1403	25.569	25.089	9	265.8	.13.41	289.1	243.3	9	
75	25.646	.1740	25.976	25.423	9	236.4	.16.55	257.6	205.0	9	
100	25.983	.1800	26.284	25.725	9	204.7	.17.07	229.2	176.1	9	
125	26.285	.1089	26.449	26.108	9	176.4	.10.35	193.2	160.8	9	
150	26.480	.0619	26.541	26.348	9	158.3	.5.90	170.8	152.4	9	
175	26.576	.0473	26.653	26.483	9	149.5	.4.55	158.4	142.1	9	
200	26.642	.0426	26.740	26.586	9	143.5	.4.08	148.9	134.1	9	
225	26.693	.0416	26.789	26.644	9	138.0	.3.97	143.5	129.7	9	
250	26.733	.0364	26.815	26.694	9	135.3	.5.49	139.0	127.5	9	
300	26.801	.0329	26.878	26.762	9	129.1	.1.12	133.1	122.0	9	
400	26.924	.0252	27.002	26.882	9	118.0	.4.49	122.4	110.6	9	
500	27.033	.0322	27.094	26.993	9	108.0	.0.01	112.6	103.1	9	
600	27.126	.0285	27.171	27.087	9	100.3	.2.70	104.0	96.2	9	
700	27.207	.0343	27.261	27.163	9	93.2	.3.33	97.7	88.0	9	
800	27.277	.0286	27.324	27.237	9	87.1	.2.81	91.2	82.7	9	
900	27.342	.0252	27.380	27.305	9	81.4	.2.51	85.2	78.0	9	
1000	27.392	.0195	27.421	27.360	9	77.0	.1.97	80.2	74.5	9	
1200	27.477	.0203	27.510	27.451	9	69.3	.2.03	72.0	65.7	9	
1500	27.570	.0086	27.578	27.558	9	60.6	.3.87	61.6	59.7	9	
2000	27.673	.0035	27.676	27.668	4	51.2	.36	51.5	50.7	4	
2500	27.713	n/a	n/a	n/a	1	48.4	n/a	n/a	n/a	1	
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
THETA						SVA (THETA)					
0	13.08	1.404	14.90	10.60	9	370.7	.29.43	406.0	332.1	9	
10	13.07	1.490	14.89	10.23	9	370.2	.30.52	406.2	325.3	9	
20	12.98	1.412	14.33	10.19	9	367.8	.28.00	400.4	324.3	9	
30	12.15	1.024	13.42	10.17	9	347.4	.15.83	370.3	323.7	9	
50	8.44	.554	9.44	7.81	9	265.0	.13.33	288.1	242.5	9	
75	7.56	.357	8.06	6.97	9	235.2	.16.52	256.3	203.8	9	
100	7.34	.343	7.80	6.72	9	203.1	.17.09	227.6	174.5	9	
125	7.30	.258	7.71	6.87	9	174.3	.10.33	191.1	158.8	9	
150	7.13	.202	7.45	6.87	9	155.8	.5.86	168.3	150.0	9	
175	6.90	.159	7.17	6.62	9	146.7	.4.50	155.5	139.3	9	
200	6.65	.166	6.83	6.33	9	140.4	.4.82	145.7	131.1	9	
225	6.39	.150	6.63	6.17	9	135.5	.4.95	140.2	126.4	9	
250	6.15	.140	6.37	5.93	9	131.7	.3.45	135.5	124.0	9	
300	5.79	.146	6.01	5.48	9	125.2	.3.14	128.9	117.9	9	
400	5.07	.217	5.32	4.74	9	113.5	.3.35	117.5	106.1	9	
500	4.63	.139	4.87	4.41	9	103.2	.0.03	106.9	97.4	9	
600	4.26	.130	4.47	4.05	9	94.0	.2.72	98.0	90.0	9	
700	4.00	.105	4.20	3.89	9	86.0	.3.24	90.7	81.5	9	
800	3.76	.093	3.93	3.59	9	79.0	.2.71	83.6	75.4	9	
900	3.53	.120	3.70	3.32	9	73.6	.2.37	77.1	70.0	9	
1000	3.31	.110	3.46	3.11	9	68.0	.1.87	71.9	66.1	9	
1200	2.88	.094	2.98	2.70	4	60.0	.1.87	63.2	57.7	4	
1500	2.33	.051	2.37	2.24	4	51.0	.78	52.9	51.1	4	
2000	1.80	.029	1.82	1.76	4	41.9	.26	42.3	41.7	4	
2500	1.60	n/a	n/a	n/a	1	37.8	n/a	n/a	n/a	1	

STATION MP08 OCTOBER 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	9	.00	.000	.00	.00	9
10	.371	.0302	.410	.330	9	.02	.000	.02	.02	9
20	.740	.0587	.810	.650	9	.08	.005	.08	.07	9
30	1.103	.0784	1.190	.990	9	.17	.012	.18	.15	9
50	1.720	.0840	1.830	1.560	9	.42	.017	.44	.38	9
75	2.351	.1143	2.510	2.120	9	.82	.038	.87	.74	9
100	2.899	.1511	3.110	2.590	9	1.31	.078	1.41	1.16	9
125	3.374	.1791	3.610	3.010	9	1.85	.116	2.00	1.64	9
150	3.789	.1942	4.040	3.400	9	2.43	.137	2.60	2.19	9
175	4.173	.2032	4.430	3.770	9	3.07	.153	3.26	2.81	9
200	4.538	.2093	4.800	4.130	9	3.76	.165	4.00	3.50	9
225	4.891	.2151	5.160	4.480	9	4.53	.180	4.79	4.25	9
250	5.233	.2187	5.510	4.820	9	5.36	.193	5.64	5.07	9
300	5.896	.2294	6.180	5.470	9	7.21	.220	7.53	6.89	9
400	7.145	.2515	7.420	6.690	9	11.62	.298	11.96	11.13	9
500	8.279	.2651	8.570	7.820	9	16.81	.405	17.14	16.00	9
600	9.322	.2786	9.620	8.850	9	22.65	.529	23.14	21.56	9
700	10.288	.2892	10.590	9.800	9	29.06	.678	29.82	27.71	9
800	11.189	.3031	11.500	10.690	9	35.94	.898	37.07	34.23	9
900	12.034	.3161	12.330	11.530	9	43.25	1.096	44.72	41.21	9
1000	12.824	.3294	13.120	12.300	9	50.90	1.304	52.75	48.57	9
1200	14.286	.3453	14.560	13.720	9	67.27	1.676	69.65	64.40	9
1500	16.340	.3592	16.550	15.700	9	94.99	1.735	97.23	92.93	9
2000	19.078	.3920	19.290	18.490	4	144.07	1.751	146.37	142.60	4
2500	21.770	n/a	n/a	n/a	1	201.34	n/a	n/a	n/a	1

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1498	4.9	1504	1489	9
10	n/a	n/a	n/a	n/a	0	1498	5.1	1504	1488	9
20	n/a	n/a	n/a	n/a	0	1498	4.9	1502	1488	9
30	n/a	n/a	n/a	n/a	0	1495	3.5	1499	1488	9
50	n/a	n/a	n/a	n/a	0	1482	2.1	1486	1480	9
75	n/a	n/a	n/a	n/a	0	1480	1.4	1481	1477	9
100	n/a	n/a	n/a	n/a	0	1480	1.4	1481	1477	9
125	n/a	n/a	n/a	n/a	0	1480	1.0	1482	1479	9
150	n/a	n/a	n/a	n/a	0	1481	.9	1482	1480	9
175	n/a	n/a	n/a	n/a	0	1480	.6	1481	1479	9
200	n/a	n/a	n/a	n/a	0	1479	.7	1480	1478	9
225	n/a	n/a	n/a	n/a	0	1478	.5	1479	1478	9
250	n/a	n/a	n/a	n/a	0	1478	.5	1479	1477	9
300	n/a	n/a	n/a	n/a	0	1477	1.2	1478	1475	9
400	n/a	n/a	n/a	n/a	0	1477	.7	1478	1476	9
500	n/a	n/a	n/a	n/a	0	1477	.6	1478	1476	9
600	n/a	n/a	n/a	n/a	0	1477	.4	1478	1477	9
700	n/a	n/a	n/a	n/a	0	1478	.6	1479	1478	9
800	n/a	n/a	n/a	n/a	0	1479	.6	1480	1478	9
900	n/a	n/a	n/a	n/a	0	1480	.5	1480	1479	9
1000	n/a	n/a	n/a	n/a	0	1482	.6	1482	1481	9
1200	n/a	n/a	n/a	n/a	0	1484	.6	1484	1484	9
1500	n/a	n/a	n/a	n/a	0	1491	.6	1491	1490	9
2000	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0					

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.824	.3281	13.120	12.303	8
10	12.449	.3050	12.719	11.959	8
20	12.074	.2811	12.318	11.615	8
30	11.709	.2643	11.940	11.270	8
50	11.096	.2532	11.309	10.652	8
75	10.465	.2356	10.695	10.029	8
100	9.912	.2293	10.168	9.461	8
125	9.437	.2211	9.723	8.977	8
150	9.020	.2313	9.523	8.563	8
175	8.637	.2264	8.944	8.198	8
200	8.271	.2199	8.579	7.854	8
225	7.918	.2122	8.222	7.525	8
250	7.575	.2056	7.875	7.204	8
300	6.914	.1918	7.197	6.577	8
400	5.677	.1652	5.920	5.403	8
500	4.545	.1354	4.748	4.341	8
600	3.502	.1084	3.669	3.348	8
700	2.535	.0807	2.659	2.420	8
800	1.634	.0489	1.711	1.566	8
900	.791	.0237	.827	.761	8
1000	.000	.0000	.000	.000	4
1200	-1.460	.0361	-1.413	-1.510	4
1500	-3.438	.0632	-3.376	-3.520	4
2000	-6.209	.0770	-6.126	-6.305	4
2500	-8.709	n/a	n/a	n/a	1

STATION MP08 NOVEMBER 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.58	.936	11.67	8.91	8	32.373	.0777	32.449	32.210	8	
10	10.53	.903	11.67	8.91	8	32.372	.0832	32.449	32.193	8	
20	10.53	.901	11.66	8.91	8	32.373	.0827	32.450	32.194	8	
30	10.52	.899	11.66	8.91	8	32.373	.0787	32.452	32.207	8	
50	10.01	1.099	11.64	8.46	8	32.457	.1186	32.637	32.318	8	
75	7.87	.380	8.76	7.52	8	32.863	.3073	32.397	32.607	8	
100	7.49	.305	8.14	7.09	8	32.192	.3562	32.708	32.812	8	
125	7.25	.255	7.67	6.79	8	32.524	.2432	32.848	32.188	8	
150	7.05	.221	7.31	6.76	8	32.748	.1038	32.903	32.592	8	
175	6.85	.228	7.11	6.46	8	32.849	.0579	32.939	32.761	8	
200	6.56	.189	6.79	6.21	8	32.896	.0299	32.935	32.845	8	
225	6.30	.170	6.49	5.94	8	32.921	.0241	32.965	32.895	8	
250	6.06	.175	6.24	5.72	8	32.934	.0250	32.980	32.912	8	
300	5.61	.164	5.79	5.32	8	32.955	.0311	32.998	32.900	8	
400	5.03	.117	5.19	4.92	8	32.035	.0280	32.667	32.992	8	
500	4.57	.138	4.80	4.31	8	32.101	.0274	32.146	32.072	8	
600	4.30	.121	4.51	4.14	8	32.184	.0213	32.215	32.153	8	
700	4.03	.096	4.14	3.85	8	32.250	.0285	32.281	32.199	8	
800	3.78	.032	3.82	3.73	8	32.402	.0170	32.329	32.275	8	
900	3.56	.050	3.65	3.50	8	32.351	.0214	32.377	32.325	8	
1000	3.45	.049	3.45	3.29	8	32.394	.0227	32.422	32.367	8	
1200	2.98	.068	3.06	2.88	8	32.456	.0208	32.481	32.428	8	
1500	2.46	.052	2.51	2.37	8	32.521	.0186	32.550	32.498	8	
2000	1.93	.026	1.95	1.90	3	32.593	.0082	32.599	32.582	3	
2500	n/a	n/a	n/a	n/a	0	32.593	n/a	n/a	n/a	0	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.825	.2040	25.161	24.558	8	313.3	19.41	338.7	281.4	8	
10	24.833	.1953	25.161	24.597	8	312.8	18.60	335.3	281.6	8	
20	24.833	.1957	25.161	24.596	8	312.9	18.64	335.5	281.7	8	
30	24.836	.1924	25.163	24.618	8	312.9	18.35	333.6	281.7	8	
50	24.984	.2575	25.336	24.654	8	299.1	24.61	330.7	265.5	8	
75	25.639	.2674	26.059	25.311	8	237.0	25.43	268.4	197.2	8	
100	25.952	.2793	26.347	25.679	8	207.7	26.48	233.5	170.2	8	
125	26.245	.1920	26.497	25.988	8	180.1	18.18	204.5	156.3	8	
150	26.449	.0948	26.566	26.322	8	161.1	8.99	173.2	150.1	8	
175	26.558	.0650	26.647	26.481	8	151.1	6.22	158.5	142.6	8	
200	26.631	.0406	26.693	26.576	8	144.5	3.90	149.8	138.4	8	
225	26.684	.0285	26.731	26.640	8	139.7	2.76	143.9	135.0	8	
250	26.726	.0228	26.763	26.688	8	145.9	2.20	139.6	132.3	8	
300	26.797	.0243	26.831	26.768	8	129.5	2.33	132.4	126.3	8	
400	26.929	.0158	26.953	26.907	8	117.7	1.41	119.7	115.5	8	
500	27.034	.0173	27.066	27.016	8	108.4	1.64	110.0	105.4	8	
600	27.129	.0145	27.153	27.113	8	100.0	1.47	101.6	97.8	8	
700	27.210	.0154	27.228	27.186	8	92.9	1.39	95.2	91.4	8	
800	27.276	.0147	27.294	27.252	8	87.2	1.37	89.4	85.5	8	
900	27.337	.0172	27.363	27.314	8	81.8	1.64	83.9	79.2	8	
1000	27.391	.0182	27.419	27.367	8	77.0	1.72	79.2	74.2	8	
1200	27.476	.0164	27.504	27.454	8	69.4	1.57	71.5	66.6	8	
1500	27.573	.0195	27.604	27.551	8	60.4	2.00	62.6	57.2	8	
2000	27.673	.0091	27.680	27.663	3	51.1	.92	52.1	50.3	3	
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.58	.936	11.67	8.91	8	313.3	19.41	338.7	281.4	8	
10	10.53	.903	11.67	8.91	8	312.6	18.58	335.0	281.4	8	
20	10.53	.900	11.66	8.91	8	312.5	18.62	335.1	281.3	8	
30	10.52	.899	11.66	8.91	8	312.3	18.32	333.0	281.1	8	
50	10.00	1.098	11.63	8.45	8	298.1	24.50	329.5	264.6	8	
75	7.86	.3800	8.75	7.51	8	235.8	25.42	267.0	195.9	8	
100	7.48	.305	8.13	7.08	8	206.0	26.53	231.9	168.5	8	
125	7.24	.255	7.66	6.78	8	178.1	18.22	202.5	154.2	8	
150	7.03	.222	7.30	6.75	8	158.7	9.01	170.8	147.6	8	
175	6.81	.229	7.09	6.44	8	148.4	6.17	155.7	140.0	8	
200	6.54	.189	6.77	6.19	8	141.5	3.82	146.7	135.6	8	
225	6.28	.170	6.47	5.92	8	136.4	2.72	140.6	131.9	8	
250	6.04	.177	6.22	5.70	8	132.4	2.16	136.0	128.9	8	
300	5.59	.162	5.77	5.30	8	125.6	2.31	128.4	122.4	8	
400	5.00	.117	5.16	4.89	8	113.0	1.44	115.1	110.8	8	
500	4.53	.138	4.76	4.27	8	103.0	1.65	104.7	100.0	8	
600	4.26	.121	4.46	4.09	8	94.0	1.42	95.5	91.7	8	
700	3.97	.097	4.09	3.89	8	86.3	1.50	88.6	84.6	8	
800	3.72	.032	3.76	3.67	8	80.0	1.35	82.2	78.3	8	
900	3.49	.047	3.58	3.44	8	74.1	1.64	76.3	71.7	8	
1000	3.28	.049	3.38	3.22	8	69.0	1.73	71.2	66.3	8	
1200	2.88	.064	2.97	2.66	8	60.0	1.56	62.9	58.2	8	
1500	2.35	.054	2.40	2.26	8	51.5	1.81	54.6	48.7	8	
2000	1.79	.026	1.81	1.76	3	41.9	.83	42.8	41.2	3	
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

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PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	8	.00	.000	.00	.00	8
10	.314	.0200	.340	.280	8	.02	.004	.02	.01	8
20	.624	.0378	.670	.560	8	.06	.005	.07	.06	8
30	.939	.0569	1.010	.840	8	.14	.007	.15	.13	8
50	1.561	.0954	1.670	1.410	8	.40	.025	.43	.36	8
75	2.228	.1454	2.410	2.000	8	.82	.061	.91	.73	8
100	2.785	.1996	3.040	2.470	8	1.31	.113	1.46	1.15	8
125	3.270	.2470	3.560	2.880	8	1.87	.175	2.05	1.62	8
150	3.692	.2730	4.000	3.270	8	2.46	.218	2.68	2.16	8
175	4.080	.2911	4.400	3.630	8	3.10	.245	3.35	2.77	8
200	4.449	.3010	4.770	3.980	8	3.81	.267	4.07	3.44	8
225	4.805	.3063	5.130	4.330	8	4.58	.284	4.86	4.18	8
250	5.150	.3138	5.480	4.660	8	5.41	.296	5.70	4.99	8
300	5.810	.3203	6.150	5.310	8	7.27	.322	7.61	6.80	8
400	7.048	.3354	7.420	6.520	8	11.67	.374	12.08	11.12	8
500	8.179	.3408	8.560	7.630	8	16.85	.404	17.34	16.21	8
600	9.217	.3437	9.610	8.640	8	22.68	.440	23.24	21.89	8
700	10.181	.3490	10.590	9.590	8	29.06	.511	29.75	28.14	8
800	11.080	.3610	11.510	10.470	8	35.93	.605	36.81	34.92	8
900	11.925	.3646	12.370	11.310	8	43.25	.706	44.31	42.17	8
1000	12.719	.3719	13.180	12.100	8	50.93	.839	52.20	49.77	8
1200	14.181	.3766	14.660	13.570	8	67.29	1.102	69.05	66.12	8
1500	16.040	.3971	16.580	15.500	8	93.91	1.872	96.58	91.53	8
2000	19.037	.4801	19.450	18.510	8	145.14	2.771	147.60	142.14	8
2500	n/a	n/a	n/a	n/a	8	n/a	n/a	n/a	n/a	8

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.39	.113	6.47	6.31	2	1489	3.3	1493	1483	8
10	6.46	.021	6.48	6.45	2	1489	3.2	1493	1483	8
20	6.46	.021	6.48	6.45	2	1489	3.1	1493	1483	8
30	6.45	.042	6.48	6.42	2	1490	4.1	1493	1484	8
50	6.37	.184	6.50	6.24	2	1488	4.1	1494	1482	8
75	6.22	.453	6.54	5.90	2	1480	1.5	1484	1480	8
100	5.15	.686	5.64	4.67	2	1480	1.15	1483	1478	8
125	4.46	.686	4.95	3.98	2	1480	1.10	1482	1478	8
150	4.06	.042	4.09	4.03	2	1480	1.1	1481	1479	8
175	3.80	.028	3.82	3.78	2	1479	1.7	1480	1478	8
200	3.57	.028	3.59	3.55	2	1479	1.8	1479	1477	8
225	3.16	.297	3.37	2.95	2	1478	1.8	1479	1477	8
250	2.94	.212	2.99	2.79	2	1477	1.8	1478	1476	8
300	2.36	.347	2.53	2.18	2	1476	1.8	1477	1476	8
400	1.33	.368	1.59	1.07	2	1476	1.8	1477	1475	8
500	.83	.042	.86	.80	2	1477	1.8	1478	1476	8
600	.51	.007	.52	.51	2	1477	1.8	1478	1476	8
700	.37	.000	.37	.37	2	1477	1.8	1478	1477	8
800	.37	.099	.44	.30	2	1478	1.8	1479	1478	8
900	.43	.198	.57	.29	2	1479	1.8	1479	1479	8
1000	.50	.262	.68	.31	2	1480	1.8	1480	1479	8
1200	.64	.332	.87	.40	2	1482	1.8	1482	1481	8
1500	.91	.283	1.11	.71	2	1484	1.8	1484	1484	8
2000	1.43	.021	1.44	1.41	2	1490	1.6	1491	1490	8
2500	n/a	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	8

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.719	.3720	13.179	12.098	8
10	12.406	.3611	12.852	11.816	8
20	12.093	.3505	12.524	11.535	8
30	11.786	.3409	12.196	11.253	8
50	11.158	.3174	11.540	10.687	8
75	10.490	.2634	10.855	10.098	8
100	9.934	.2044	10.256	9.628	8
125	9.450	.1560	9.706	9.215	8
150	9.027	.1320	9.241	8.830	8
175	8.638	.1189	8.828	8.465	8
200	8.269	.1117	8.444	8.114	8
225	7.914	.1064	8.077	7.773	8
250	7.570	.1019	7.724	7.439	8
300	6.907	.0931	7.042	6.791	8
400	5.672	.0821	5.789	5.561	8
500	4.542	.0703	4.640	4.439	8
600	3.501	.0588	3.586	3.415	8
700	2.538	.0461	2.605	2.472	8
800	1.639	.0319	1.681	1.589	8
900	.793	.0169	.815	.766	8
1000	.000	.0000	.000	.000	8
1200	-1.459	.0365	-1.406	-1.503	8
1500	-3.412	.0936	-3.257	-3.509	8
2000	-6.285	.1255	-6.142	-6.378	8
2500	n/a	n/a	n/a	n/a	8

STATION MP08 D E C E M B E R 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	9.94	.961	11.50	8.24	17	32.352	.0817	32.450	32.119	17
10	9.92	.977	11.59	8.24	17	32.359	.0683	32.450	32.208	17
20	9.92	.982	11.60	8.20	17	32.362	.0683	32.450	32.213	17
30	9.92	.984	11.60	8.18	17	32.364	.0673	32.450	32.223	17
50	9.66	1.146	11.60	7.23	17	32.419	.0789	32.600	32.250	17
75	7.84	.530	9.00	6.53	17	32.758	.1762	32.596	32.562	17
100	7.26	.379	7.66	6.18	17	33.099	.2178	33.505	32.717	17
125	7.08	.201	7.41	6.80	17	33.481	.1598	33.667	33.099	17
150	6.94	.188	7.23	6.68	17	33.720	.0924	33.832	33.466	17
175	6.76	.188	7.04	6.45	17	33.840	.0461	33.905	33.750	17
200	6.55	.220	6.86	6.12	17	33.887	.0334	33.948	33.837	17
225	6.30	.241	6.62	5.81	17	33.910	.0297	33.980	33.868	17
250	6.03	.223	6.29	5.56	17	33.925	.0297	33.999	33.879	17
300	5.60	.254	5.96	4.99	17	33.948	.0323	34.029	33.889	17
400	4.99	.176	5.38	4.70	17	34.019	.0337	34.078	34.060	17
500	4.61	.140	4.55	4.37	17	34.103	.0314	34.149	34.058	17
600	4.31	.113	4.55	4.09	17	34.179	.0222	34.210	34.148	17
700	4.04	.088	4.28	3.89	17	34.242	.0257	34.280	34.211	17
800	3.81	.069	4.00	3.72	17	34.295	.0197	34.330	34.270	17
900	3.60	.060	3.71	3.51	17	34.348	.0171	34.376	34.324	17
1000	3.37	.060	3.48	3.27	17	34.387	.0148	34.410	34.364	17
1200	2.98	.052	3.05	2.90	16	34.449	.0198	34.490	34.416	16
1500	2.45	.034	2.50	2.39	10	34.510	.0199	34.535	34.480	10
2000	1.93	.038	1.96	1.89	3	34.592	.0115	34.600	34.577	3
2500	1.69	n/a	n/a	n/a	1	34.637	n/a	n/a	n/a	1
PRESS	SIGMA T					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.916	.1647	25.231	24.702	17	304.7	15.68	325.0	274.7	17
10	24.924	.1599	25.231	24.687	17	304.1	15.25	326.7	274.8	17
20	24.927	.1591	25.237	24.697	17	304.0	15.19	326.0	274.4	17
30	24.929	.1606	25.248	24.697	17	304.0	15.35	326.2	273.5	17
50	25.012	.1954	25.523	24.722	17	296.5	18.69	324.2	247.6	17
75	25.560	.1871	25.927	25.235	17	244.5	17.82	275.6	209.6	17
100	25.910	.1650	26.233	25.642	17	211.5	15.65	236.9	180.9	17
125	26.235	.1217	26.414	25.954	17	181.1	11.51	207.6	164.1	17
150	26.441	.0735	26.530	26.241	17	161.8	6.97	180.8	153.3	17
175	26.559	.0448	26.618	26.461	17	151.0	4.26	160.3	145.3	17
200	26.625	.0332	26.591	26.563	17	145.0	3.21	151.0	138.6	17
225	26.676	.0312	26.738	26.617	17	140.5	3.02	146.2	134.3	17
250	26.723	.0253	26.769	26.681	17	136.2	2.46	140.3	131.6	17
300	26.794	.0272	26.850	26.743	17	129.8	2.69	134.8	124.1	17
400	26.921	.0279	26.975	26.883	17	118.4	2.70	122.1	113.3	17
500	27.031	.0249	27.072	26.990	17	108.7	2.42	112.7	104.8	17
600	27.124	.0200	27.158	27.090	17	100.6	1.95	103.8	97.1	17
700	27.202	.0195	27.239	27.169	17	93.7	1.85	96.9	90.1	17
800	27.267	.0175	27.301	27.241	17	88.0	1.71	90.6	84.7	17
900	27.330	.0143	27.353	27.312	17	82.5	1.40	84.2	80.3	17
1000	27.383	.0109	27.402	27.366	17	77.7	1.12	79.3	75.9	17
1200	27.470	.0158	27.500	27.448	16	69.9	1.45	71.8	67.0	16
1500	27.564	.0147	27.584	27.540	10	61.2	1.29	63.4	59.3	10
2000	27.672	.0084	27.677	27.663	3	51.2	.49	51.8	50.9	3
2500	27.727	n/a	n/a	n/a	1	46.6	n/a	n/a	n/a	1
PRESS	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	9.94	.961	11.50	8.24	17	304.7	15.68	325.0	274.7	17
10	9.92	.977	11.59	8.24	17	303.9	15.21	326.4	274.7	17
20	9.92	.982	11.60	8.20	17	303.6	15.13	325.5	274.1	17
30	9.91	.984	11.60	8.18	17	303.4	15.29	325.5	273.0	17
50	9.65	1.144	11.59	7.23	17	295.5	18.59	323.0	246.8	17
75	7.83	.530	8.99	6.82	17	243.3	17.78	274.2	208.4	17
100	7.25	.379	7.65	6.17	17	210.0	15.70	235.5	179.3	17
125	7.07	.201	7.40	6.79	17	179.2	11.55	205.8	162.2	17
150	6.93	.188	7.22	6.67	17	159.5	6.97	178.5	151.1	17
175	6.75	.187	7.02	6.43	17	148.2	4.24	159.6	142.7	17
200	6.53	.220	6.84	6.10	17	142.0	3.16	147.9	135.7	17
225	6.28	.241	6.60	5.79	17	137.2	2.93	142.7	131.3	17
250	6.01	.223	6.27	5.54	17	132.7	2.38	136.7	128.4	17
300	5.57	.252	5.93	4.97	17	125.9	2.59	130.8	120.6	17
400	4.96	.176	5.35	4.67	17	113.8	2.65	117.4	108.7	17
500	4.57	.140	4.81	4.33	17	103.4	2.35	107.2	99.5	17
600	4.26	.115	4.51	4.04	17	94.5	1.88	97.7	91.2	17
700	3.99	.087	4.23	3.84	17	87.0	1.85	90.1	83.5	17
800	3.75	.068	3.94	3.66	17	80.7	1.65	83.2	77.6	17
900	3.54	.061	3.64	3.44	17	74.7	1.36	76.5	72.6	17
1000	3.30	.053	3.41	3.20	17	69.7	1.10	71.3	67.9	17
1200	2.89	.053	2.97	2.81	16	61.4	1.46	63.5	58.6	16
1500	2.355	.038	1.82	1.75	3	52.4	1.38	54.7	50.5	10
2000	1.79	1.51	n/a	n/a	1	42.0	.69	42.8	41.6	1
2500						36.6	n/a	n/a	n/a	1

STATION MP08 D E C E M B E R 1956 to 1990

DELTA D

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	17	.00	.000	.00	.00	17
10	.306	.0150	.330	.280	17	.02	.004	.02	.01	17
20	.608	.0311	.650	.550	17	.06	.004	.07	.06	17
30	.914	.0447	.980	.830	17	.14	.007	.15	.13	17
50	1.520	.0751	1.630	1.370	17	.39	.020	.42	.35	17
75	2.201	.0882	2.340	2.030	17	.82	.034	.87	.75	17
100	2.769	.1170	2.940	2.560	17	1.32	.066	1.41	1.17	17
125	3.258	.1466	3.490	3.100	17	1.88	.100	2.03	1.66	17
150	3.684	.1644	3.980	3.410	17	2.48	.128	2.71	2.22	17
175	4.074	.1733	4.400	3.790	17	3.12	.144	3.41	2.84	17
200	4.444	.1798	4.790	4.150	17	3.83	.156	4.15	3.53	17
225	4.798	.1854	5.160	4.500	17	4.60	.170	4.95	4.29	17
250	5.145	.1910	5.520	4.840	17	5.44	.182	5.82	5.12	17
300	5.810	.1995	6.200	5.500	17	7.30	.213	7.74	6.96	17
400	7.046	.2197	7.470	6.700	17	11.70	.300	12.27	11.17	17
500	8.182	.2404	8.650	7.800	17	16.91	.404	17.66	16.17	17
600	9.228	.2575	9.730	8.810	17	22.77	.506	23.71	21.90	17
700	10.198	.2715	10.740	9.750	17	29.20	.616	30.36	28.21	17
800	11.106	.2817	11.670	10.630	17	36.14	.726	37.48	34.95	17
900	11.959	.2894	12.530	11.460	17	43.52	.833	44.99	42.10	17
1000	12.759	.2946	13.340	12.250	17	51.27	.915	52.79	49.72	17
1200	14.224	.3068	14.820	13.730	16	67.75	1.099	69.39	65.74	16
1500	16.177	.3239	16.780	15.690	16	95.00	1.187	96.36	93.28	10
2000	18.863	.1305	19.010	18.760	3	143.93	1.240	145.28	142.84	3
2500	21.190	n/a	n/a	n/a	1	198.65	n/a	n/a	n/a	1

OXYGEN

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1487	3.6	1492	1480	17
10	n/a	n/a	n/a	n/a	0	1487	3.6	1493	1481	17
20	n/a	n/a	n/a	n/a	0	1487	3.6	1493	1481	17
30	n/a	n/a	n/a	n/a	0	1487	3.6	1493	1481	17
50	n/a	n/a	n/a	n/a	0	1487	4.2	1494	1478	17
75	n/a	n/a	n/a	n/a	0	1481	2.0	1485	1477	17
100	n/a	n/a	n/a	n/a	0	1479	1.6	1481	1475	17
125	n/a	n/a	n/a	n/a	0	1479	1.9	1481	1478	17
150	n/a	n/a	n/a	n/a	0	1480	1.9	1481	1478	17
175	n/a	n/a	n/a	n/a	0	1479	1.9	1481	1478	17
200	n/a	n/a	n/a	n/a	0	1479	1.9	1480	1477	17
225	n/a	n/a	n/a	n/a	0	1479	1.9	1480	1477	17
250	n/a	n/a	n/a	n/a	0	1478	1.0	1479	1476	17
300	n/a	n/a	n/a	n/a	0	1477	1.2	1479	1474	17
400	n/a	n/a	n/a	n/a	0	1476	.7	1478	1475	17
500	n/a	n/a	n/a	n/a	0	1477	.6	1478	1476	17
600	n/a	n/a	n/a	n/a	0	1477	.6	1479	1477	17
700	n/a	n/a	n/a	n/a	0	1478	.3	1479	1478	17
800	n/a	n/a	n/a	n/a	0	1479	.3	1479	1479	17
900	n/a	n/a	n/a	n/a	0	1480	.4	1480	1479	17
1000	n/a	n/a	n/a	n/a	0	1481	.5	1482	1481	16
1200	n/a	n/a	n/a	n/a	0	1484	.5	1485	1484	10
1500	n/a	n/a	n/a	n/a	0	1491	n/a	1491	1490	1
2000	n/a	n/a	n/a	n/a	0	1498	n/a	n/a	n/a	1

DELTA DH

PRESS	MEAN	S.D.	MAX	MIN	N
0	12.759	.2952	13.340	12.247	17
10	12.455	.2860	13.014	11.971	17
20	12.151	.2774	12.588	11.697	17
30	11.847	.2692	12.362	11.419	17
50	11.240	.2539	11.709	10.831	17
75	10.558	.2336	11.000	10.155	17
100	9.991	.2056	10.401	9.631	17
125	9.502	.1814	9.848	9.178	17
150	9.075	.1655	9.363	8.772	17
175	8.686	.1561	8.939	8.396	17
200	8.317	.1484	8.552	8.042	17
225	7.960	.1419	8.182	7.702	17
250	7.615	.1360	7.823	7.369	17
300	6.951	.1261	7.140	6.733	17
400	5.713	.1016	5.865	5.525	17
500	4.577	.0792	4.690	4.425	17
600	3.531	.0599	3.610	3.413	17
700	2.561	.0433	2.609	2.477	17
800	1.653	.0267	1.685	1.605	17
900	.801	.0122	.817	.781	17
1000	.000	.0000	.000	.000	17
1200	-1.474	.0264	-1.422	-1.505	16
1500	-3.457	.0480	-3.369	-3.524	16
2000	-6.221	.0711	-6.156	-6.297	13
2500	-8.593	n/a	n/a	n/a	1

Table 22. As in Table 14, for Station 5 (P08).

Table 22 : STATION MP08 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

TEMPERATURE						SALINITY						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.40	15.87	.905	16.84	13.83	10	31.908	.2367	32.166	31.398	10		
23.60	15.39	.665	16.37	13.30	21	32.024	.1697	32.296	31.527	21		
23.80	14.65	.653	15.93	12.84	54	32.077	.1636	32.416	31.638	54		
24.00	13.94	.644	15.11	12.43	52	32.148	.1679	32.449	31.736	52		
24.20	13.14	.603	14.53	11.63	64	32.209	.1493	32.544	31.840	64		
24.40	12.36	.613	13.77	10.06	79	32.258	.1474	32.603	31.740	79		
24.60	11.50	.561	12.80	9.51	87	32.324	.1268	32.615	31.864	87		
24.80	10.56	.544	11.83	9.04	109	32.361	.1191	32.631	32.030	109		
25.00	9.69	.481	10.84	7.95	129	32.421	.1009	32.656	32.073	129		
25.20	8.85	.442	10.27	7.61	166	32.500	.0886	32.784	32.256	166		
25.40	8.09	.484	10.29	7.08	195	32.607	.0947	32.045	32.418	195		
25.60	7.64	.564	10.11	6.04	208	32.780	.1059	32.264	32.501	208		
25.80	7.45	.518	9.75	6.26	208	33.001	.0954	32.443	32.791	208		
26.00	7.36	.428	9.25	6.45	208	33.237	.0782	32.594	32.076	208		
26.20	7.28	.379	8.84	6.46	208	33.476	.0682	32.767	33.331	208		
26.40	7.13	.321	8.16	6.42	208	33.703	.0567	33.890	33.580	208		
26.60	6.68	.227	7.30	6.15	207	33.879	.0389	33.985	33.789	207		
26.80	5.59	.231	6.25	4.93	203	33.957	.0356	34.060	33.857	203		
27.00	4.66	.175	5.05	4.16	185	34.072	.0246	34.128	34.003	185		
27.10	4.34	.143	4.78	3.88	184	34.153	.0194	34.214	34.093	184		
27.20	4.02	.111	4.29	3.62	184	34.238	.0148	34.273	34.186	184		
27.30	3.69	.090	3.90	3.58	183	34.322	.0119	34.349	34.283	183		
27.40	3.30	.089	3.56	3.07	179	34.400	.0104	34.430	34.373	179		
27.50	2.83	.097	3.14	2.56	157	34.471	.0104	34.506	34.441	157		
27.60	2.31	.074	2.54	2.13	53	34.542	.0068	34.563	34.525	53		
DEPTH						SVA						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.40	12	5.4	25	6	10	449.4	.20	449.9	449.2	10		
23.60	18	5.9	30	7	21	430.5	.20	430.9	430.1	21		
23.80	22	8.6	45	3	54	411.5	.25	412.1	411.1	34		
24.00	26	8.6	47	6	52	392.5	.20	393.0	392.0	52		
24.20	27	9.0	49	2	64	373.4	.23	373.9	372.9	64		
24.40	29	9.3	55	1	79	354.3	.22	354.9	353.8	79		
24.60	34	9.3	59	9	87	335.5	.21	335.9	334.7	87		
24.80	36	11.9	64	0	109	316.3	.25	317.0	315.7	109		
25.00	43	12.2	73	2	129	297.4	.25	298.0	296.7	129		
25.20	53	15.9	120	14	166	278.5	.30	280.0	277.8	166		
25.40	68	18.7	135	11	195	259.6	.34	261.3	258.8	195		
25.60	83	16.2	146	47	208	240.8	.31	242.4	240.2	208		
25.80	95	16.2	158	50	208	221.9	.30	223.6	221.3	208		
26.00	107	17.4	180	63	208	203.1	.31	205.0	202.5	208		
26.20	122	18.8	206	73	208	184.4	.36	186.3	183.7	208		
26.40	145	20.6	248	90	208	165.8	.41	167.8	165.0	208		
26.60	193	25.5	322	136	207	147.4	.47	149.5	146.5	207		
26.80	308	33.1	456	233	203	129.3	.47	131.7	128.6	203		
27.00	473	34.4	609	396	185	111.4	.42	113.2	110.5	185		
27.10	573	34.9	702	487	184	102.6	.36	103.7	101.6	184		
27.20	695	36.2	830	591	184	93.8	.31	94.8	93.1	184		
27.30	838	38.2	964	737	183	85.1	.28	85.9	84.4	183		
27.40	1020	40.8	1147	926	179	76.2	.24	77.0	75.6	179		
27.50	1262	51.0	1408	1089	157	67.2	.20	67.8	66.6	157		
27.60	1600	66.5	1721	1417	53	58.1	.25	58.6	57.1	53		
SIGMA -T.	THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.40	15.87	.904	16.84	13.83	10	446.9	2.55	449.0	442.2	10		
23.60	15.39	.663	16.36	13.30	21	428.3	2.10	430.0	422.6	21		
23.80	14.65	.652	15.92	12.84	54	409.3	1.65	410.9	405.1	54		
24.00	13.94	.644	15.11	12.42	52	390.0	2.01	391.9	384.4	52		
24.20	13.13	.603	14.53	11.63	64	370.1	2.75	372.7	361.7	64		
24.40	12.29	.613	13.77	10.06	79	351.1	2.00	353.7	341.1	79		
24.60	11.50	.561	12.80	9.51	87	332.1	2.84	334.7	322.6	87		
24.80	10.56	.543	11.82	9.03	109	313.7	2.18	315.7	305.6	109		
25.00	9.69	.480	10.84	7.95	129	295.4	1.59	296.6	288.9	129		
25.20	8.85	.441	10.26	7.61	166	276.7	1.07	277.6	272.0	166		
25.40	8.08	.483	10.27	7.08	195	258.0	.75	258.6	255.0	195		
25.60	7.63	.563	10.09	6.03	208	238.9	.72	239.5	236.2	208		
25.80	7.44	.517	9.73	6.26	208	219.9	.60	220.5	216.7	208		
26.00	7.35	.427	9.23	6.45	208	201.1	.45	201.5	199.0	208		
26.20	7.27	.378	8.82	6.45	208	182.2	.23	182.5	181.4	208		
26.40	7.12	.320	8.13	6.41	208	163.3	.12	163.5	162.9	208		
26.60	6.67	.256	7.29	6.13	207	144.3	.08	144.4	143.7	207		
26.80	5.57	.230	6.23	4.91	203	125.2	.15	125.4	124.7	203		
27.00	4.62	.173	5.01	4.12	185	106.2	.10	106.4	105.9	185		
27.10	4.28	.143	4.73	3.84	184	96.7	.06	96.8	96.5	184		
27.20	3.97	.111	4.24	3.57	184	87.2	.05	87.2	87.0	184		
27.30	3.63	.092	3.85	3.32	183	77.6	.05	77.7	77.5	183		
27.40	3.23	.091	3.49	2.99	179	68.0	.08	68.1	67.8	179		
27.50	2.74	.099	3.06	2.46	157	58.5	.11	58.6	58.1	157		
27.60	2.20	.077	2.44	2.01	53	48.7	.14	49.1	48.4	53		

STATION MP08 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

DELTA D						POT. ENERGY				
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	.566	.2455	1.150	.300	10	.04	.041	.15	.01	10
23.60	.787	.2587	1.300	.320	21	.08	.050	.20	.01	21
23.80	.970	.3636	1.920	.140	54	.13	.093	.44	.00	34
24.00	1.077	.3586	2.900	.240	52	.15	.095	.48	.01	52
24.20	1.125	.3828	2.080	.090	64	.17	.104	.52	.00	64
24.40	1.175	.3947	2.290	.040	79	.19	.112	.64	.00	79
24.60	1.274	.3916	2.420	.340	87	.22	.120	.71	.02	87
24.80	1.341	.4724	2.600	.000	109	.27	.147	.82	.00	109
25.00	1.524	.4643	2.860	.060	129	.35	.173	1.01	.00	129
25.20	1.761	.5494	3.530	.420	166	.50	.311	2.18	.03	166
25.40	2.121	.5964	3.920	.290	195	.76	.396	2.70	.02	195
25.60	2.474	.5477	4.190	1.260	208	1.03	.418	3.09	.30	208
25.80	2.754	.5585	4.470	1.370	208	1.29	.457	3.53	.34	208
26.00	3.004	.5831	4.950	1.650	208	1.56	.528	4.35	.51	208
26.20	3.291	.6091	5.460	1.820	208	1.90	.626	5.37	.66	208
26.40	3.692	.6337	6.200	2.110	208	2.45	.773	7.09	.91	208
26.60	4.444	.6797	7.390	2.850	207	3.77	1.108	10.55	1.77	207
26.80	6.029	.7448	9.260	4.350	203	4.87	1.835	18.02	4.48	203
27.00	8.027	.7477	11.060	6.290	185	15.85	2.573	28.06	10.75	185
27.10	9.113	.7478	12.060	7.480	184	21.69	2.950	34.92	15.45	184
27.20	10.317	.7522	13.220	8.790	184	29.54	3.453	44.23	22.92	184
27.30	11.611	.7663	14.460	9.990	183	39.75	4.060	55.52	30.53	183
27.40	13.082	.7750	15.930	11.480	179	53.87	4.800	71.78	44.48	179
27.50	14.789	.7516	16.670	12.950	157	74.24	6.059	92.61	56.80	157
27.60	16.847	.7876	18.500	15.270	53	105.02	8.230	121.75	85.22	53
DELTA DH						ACC. POT.				
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	12.715	.2163	13.910	12.459	99	13.296	.2619	13.725	12.869	9
23.60	12.629	.2770	13.295	12.262	19	13.396	.2565	13.740	12.849	19
23.80	12.410	.3605	13.217	11.569	29	13.291	.3232	13.730	12.459	29
24.00	12.280	.3464	13.226	11.450	43	13.238	.3238	13.969	12.415	43
24.20	12.149	.3341	13.147	11.368	53	13.151	.3342	13.891	12.366	53
24.40	12.048	.3362	13.070	11.296	56	13.065	.3284	13.803	12.313	56
24.60	11.928	.3632	12.917	11.044	72	12.997	.3217	13.710	12.256	72
24.80	11.741	.3865	12.598	10.672	91	12.875	.3442	13.610	12.018	91
25.00	11.520	.3853	12.630	10.553	110	12.800	.3339	13.499	11.989	110
25.20	11.237	.3860	12.362	10.347	144	12.739	.4133	14.709	11.939	144
25.40	10.779	.3683	11.738	9.851	172	12.573	.3986	14.469	11.760	172
25.60	10.380	.2976	11.589	9.690	182	12.409	.3781	14.202	11.652	182
25.80	10.102	.2896	11.508	9.532	182	12.239	.3563	13.917	11.533	182
26.00	9.858	.2908	11.229	9.298	182	12.047	.3346	13.599	11.397	182
26.20	9.574	.2851	10.805	8.988	182	11.832	.3121	13.238	11.232	182
26.40	9.175	.2661	10.363	8.530	182	11.586	.2870	12.828	11.007	182
26.60	8.422	.2536	9.419	7.449	182	11.282	.2563	12.325	10.740	182
26.80	6.825	.2875	7.564	5.575	183	10.840	.2104	11.649	10.376	183
27.00	4.829	.2712	5.465	3.725	182	10.142	.1497	10.675	9.807	182
27.10	3.742	.2700	4.439	2.706	182	9.677	.1176	10.059	9.410	182
27.20	2.538	.2809	3.337	1.452	182	9.120	.0856	9.380	8.896	182
27.30	1.242	.2983	2.029	1.228	182	8.443	.0522	8.593	8.314	182
27.40	-0.235	.3212	0.483	-1.269	179	7.617	.0203	7.676	7.563	179
27.50	-1.981	.3926	-0.593	-3.116	157	6.583	.0431	6.678	6.428	157
27.60	-4.093	.4705	-2.840	-5.007	53	5.307	.0717	5.444	5.155	53
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
OXYGEN						SOUND				
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	5.83	n/a	n/a	n/a	1	1506	3.2	1510	1499	10
23.60	6.00	.049	6.04	5.97	12	1505	2.5	1509	1498	21
23.80	6.14	.105	6.29	6.01	55	1503	2.5	1508	1496	34
24.00	6.01	.666	6.46	4.54	7	1501	2.4	1505	1495	52
24.20	6.04	.798	6.62	4.31	7	1498	2.2	1503	1493	64
24.40	6.09	.859	6.79	4.10	8	1496	2.3	1501	1487	79
24.60	6.12	.895	6.85	3.89	10	1493	2.2	1498	1485	87
24.80	6.18	.943	6.95	3.70	10	1490	2.2	1494	1484	109
25.00	6.17	.948	7.02	3.52	14	1487	2.0	1491	1479	129
25.20	6.17	.962	7.02	3.30	14	1484	1.9	1491	1478	166
25.40	6.07	.969	6.86	3.07	17	1481	2.1	1491	1477	195
25.60	5.62	.811	6.45	2.85	18	1480	2.4	1491	1473	208
25.80	5.09	.637	6.04	2.27	18	1480	2.2	1490	1475	208
26.00	4.64	.517	5.65	2.51	18	1480	1.9	1489	1476	208
26.20	4.16	.543	5.29	2.18	18	1480	1.6	1488	1477	208
26.40	3.73	.663	4.99	2.66	18	1480	1.5	1486	1477	208
26.60	3.38	.707	4.34	2.29	18	1479	1.1	1484	1477	207
26.80	2.09	.426	3.16	1.58	17	1477	1.2	1482	1474	203
27.00	.97	.251	1.60	.56	17	1476	1.0	1480	1474	185
27.10	.61	.164	1.09	.31	17	1477	.9	1479	1474	184
27.20	.46	.096	.65	.32	17	1477	.7	1479	1476	184
27.30	.39	.087	.57	.24	17	1479	.7	1480	1477	183
27.40	.43	.121	.75	.30	16	1480	.6	1482	1479	179
27.50	.60	.142	.99	.43	14	1482	.6	1483	1481	157
27.60	1.05	.122	1.23	.85	12	1486	.9	1487	1484	53

Table 23. As in Table 15, for Station 5 (P08).

Table 23: STATION MP08 J A N U A R Y 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	9.86	.305	9.12	8.29	8	32.439	.0635	32.546	32.380	8	
25.20	8.66	.295	8.77	7.57	15	32.456	.0590	32.735	32.503	15	
25.40	8.05	.409	8.31	6.96	17	32.597	.0803	32.923	32.678	17	
25.60	7.63	.417	7.96	6.82	17	32.782	.0799	33.099	32.882	17	
25.80	7.40	.368	7.70	6.74	17	32.995	.0672	33.297	33.125	17	
26.00	7.25	.375	7.78	6.55	17	33.217	.0663	33.562	33.348	17	
26.20	7.15	.331	7.83	6.54	17	33.453	.0586	33.827	33.600	17	
26.40	7.02	.299	7.13	6.24	17	33.683	.0356	33.956	33.804	17	
26.60	6.67	.252	5.90	5.03	18	33.875	.0385	34.003	33.872	18	
26.80	5.58	.222	4.92	4.20	16	34.075	.0311	34.111	34.009	16	
27.00	4.68	.166	4.57	3.88	16	34.158	.0214	34.185	34.093	16	
27.10	4.36	.142	4.21	3.62	16	34.239	.0186	34.263	34.186	16	
27.20	4.02	.113	3.85	3.38	16	34.321	.0147	34.342	34.283	16	
27.30	3.69	.115	3.43	3.10	16	34.399	.0130	34.415	34.376	16	
27.40	3.29	.131	3.04	2.56	14	34.469	.0143	34.494	34.441	14	
27.50	2.81	.031	2.35	2.28	4	34.543	.0050	34.548	34.541	4	
27.60	2.30										

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	66	n/a	n/a	n/a	1	297.9	n/a	n/a	n/a	1	
25.20	63	14.9	75	30	8	278.6	.24	278.9	278.1	8	
25.40	72	15.6	96	48	15	259.7	.25	260.1	259.3	15	
25.60	80	15.7	104	54	17	240.7	.24	241.0	240.3	17	
25.80	89	18.3	117	61	17	221.8	.26	222.1	221.3	17	
26.00	100	21	131	67	17	203.0	.26	203.3	202.5	17	
26.20	114	23.5	153	75	17	184.2	.29	184.7	183.7	17	
26.40	137	22.1	172	92	17	165.6	.31	166.0	165.0	17	
26.60	184	27.8	261	136	17	147.2	.45	148.6	146.5	17	
26.80	306	42.5	420	257	18	129.3	.60	131.0	128.7	18	
27.00	483	38.2	563	434	16	111.6	.54	112.7	110.9	16	
27.10	586	35	652	540	16	102.8	.44	103.7	101.9	16	
27.20	711	32.5	779	665	16	94.0	.39	94.8	93.2	16	
27.30	855	36.6	927	809	16	85.2	.33	85.9	84.5	16	
27.40	1035	39.6	1118	974	16	76.3	.25	77.0	75.8	16	
27.50	1279	57.9	1408	1199	14	67.2	.18	67.7	67.0	14	
27.60	1622	16.6	1635	1598	4	58.3	.17	58.5	58.1	4	

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	9.85	.306	9.12	8.28	8	296.4	n/a	n/a	n/a	1	
25.20	8.65	.294	8.76	7.57	15	277.2	.52	277.6	276.0	8	
25.40	8.04	.408	8.30	6.95	17	258.0	.77	258.5	256.0	15	
25.60	7.62	.417	7.95	6.81	17	238.5	1.09	239.5	236.2	17	
25.80	7.39	.369	7.69	6.73	17	219.6	.94	220.5	217.3	17	
26.00	7.24	.377	7.77	6.54	17	201.1	.51	201.5	199.4	17	
26.20	7.14	.377	7.82	6.53	17	182.3	.22	182.5	181.6	17	
26.40	7.01	.332	7.11	6.22	17	163.4	.13	163.5	162.9	17	
26.60	6.65	.208	5.86	5.01	18	144.4	.05	144.4	144.2	17	
26.80	5.55	.250	4.87	4.16	16	125.3	.11	125.4	124.9	18	
27.00	4.64	.221	4.52	3.84	16	106.2	.13	106.3	105.9	16	
27.10	4.32	.158	4.16	3.57	16	96.6	.07	96.8	96.5	16	
27.20	3.97	.142	4.16	3.57	16	87.1	.06	87.2	87.0	16	
27.30	3.63	.115	3.79	3.32	16	77.6	.04	77.7	77.5	16	
27.40	3.22	.135	3.35	3.03	16	68.0	.08	68.1	67.9	16	
27.50	2.72	.135	2.95	2.46	14	58.4	.11	58.5	58.1	14	
27.60	2.20	.031	2.24	2.17	4	48.6	.05	48.7	48.6	4	

STATION MP08 J A N U A R Y 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	2.070	n/a	2.240	n/a	1	.70	n/a	n/a	n/a	0	
25.20	1.821	.4462	2.590	1.290	15	.62	.240	.83	.13	18	
25.40	2.013	.4460	2.800	1.440	17	.78	.311	1.28	.32	15	
25.60	2.183	.4593	3.150	1.590	17	.92	.343	1.49	.46	17	
25.80	2.402	.5236	3.490	1.720	17	1.12	.435	1.78	.49	17	
26.00	2.635	.5874	3.900	1.880	17	1.36	.550	2.18	.58	17	
26.20	2.918	.6267	4.340	2.180	17	1.67	.658	2.78	.69	17	
26.40	3.306	.5991	4.700	2.850	17	2.17	.701	3.37	.95	17	
26.60	4.050	.6004	5.050	2.850	18	3.41	.992	5.92	1.77	17	
26.80	5.736	.6963	7.300	4.520	18	7.71	2.154	13.78	5.11	18	
27.00	7.916	.6481	9.170	6.760	16	16.42	2.729	22.59	13.06	16	
27.10	9.027	.6208	10.370	7.970	16	22.51	2.956	28.60	18.74	16	
27.20	10.271	.5774	11.670	9.450	16	30.78	3.145	37.28	26.79	16	
27.30	11.570	.6222	13.010	10.630	16	41.26	3.831	49.05	36.29	16	
27.40	13.031	.6247	14.570	11.970	16	55.45	4.522	65.38	48.55	16	
27.50	14.822	.7337	16.670	13.880	14	76.69	6.541	92.61	69.07	14	
27.60	16.737	.4353	17.150	16.140	4	107.30	3.027	109.99	103.17	4	
DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	11.478	n/a	n/a	n/a	1	13.465	n/a	n/a	n/a	1	
25.20	10.974	.4513	11.642	10.347	8	12.733	.3031	13.331	12.451	8	
25.40	10.719	.4337	11.512	10.108	15	12.603	.3015	13.188	12.033	15	
25.60	10.457	.3944	11.408	9.901	16	12.417	.3231	13.030	11.852	16	
25.80	10.238	.4140	11.322	9.699	16	12.254	.3118	12.858	11.727	16	
26.00	10.006	.4431	11.087	9.419	16	12.074	.2995	12.719	11.597	16	
26.20	9.731	.4646	10.805	9.166	16	11.871	.2868	12.555	11.456	16	
26.40	9.343	.4280	10.363	8.928	16	11.636	.2783	12.357	11.288	16	
26.60	8.594	.3344	9.419	8.115	16	11.345	.2652	12.025	11.069	16	
26.80	6.889	.4206	7.564	5.860	17	10.910	.2108	11.408	10.648	17	
27.00	4.766	.3132	5.161	4.111	16	10.206	.1523	10.511	10.013	16	
27.10	3.654	.2810	4.007	3.148	16	9.731	.1148	9.960	9.582	16	
27.20	2.412	.2514	2.773	1.878	16	9.159	.0847	9.325	9.041	16	
27.30	1.111	.2850	1.480	0.535	16	8.465	.0509	8.579	8.391	16	
27.40	-0.348	.3145	1.124	-1.018	16	7.624	.0217	7.676	7.577	16	
27.50	-2.123	.4431	-1.525	-3.116	14	6.563	.0590	6.640	6.428	14	
27.60	-4.235	.1344	-4.043	-4.352	4	5.318	.0383	5.359	5.272	4	
OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	6.51	n/a	n/a	n/a	1	14.88	n/a	n/a	n/a	1	
25.20	6.05	n/a	n/a	n/a	1	14.83	1.23	14.85	14.82	8	
25.40	5.55	n/a	n/a	n/a	1	14.81	1.22	14.84	14.79	17	
25.60	5.08	n/a	n/a	n/a	1	14.80	1.7	14.83	14.77	17	
25.80	4.65	n/a	n/a	n/a	1	14.79	1.08	14.82	14.77	17	
26.00	4.48	n/a	n/a	n/a	1	14.80	1.05	14.82	14.77	17	
26.20	4.19	n/a	n/a	n/a	1	14.80	1.4	14.83	14.78	17	
26.40	3.21	n/a	n/a	n/a	1	14.79	1.1	14.82	14.77	17	
26.60	1.81	n/a	n/a	n/a	1	14.77	1.4	14.80	14.77	17	
27.00	.93	n/a	n/a	n/a	1	14.76	1.3	14.79	14.74	18	
27.10	.64	n/a	n/a	n/a	1	14.77	0.8	14.79	14.75	16	
27.20	.48	n/a	n/a	n/a	1	14.78	0.7	14.79	14.76	16	
27.30	.42	n/a	n/a	n/a	1	14.79	0.5	14.80	14.77	16	
27.40	.44	n/a	n/a	n/a	1	14.80	0.5	14.81	14.79	16	
27.50	.67	n/a	n/a	n/a	1	14.82	0.6	14.83	14.82	14	
27.60	1.14	n/a	n/a	n/a	1	14.86	0.6	14.86	14.86	4	

STATION MP08 FEBRUARY 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	8.84	.156	8.95	8.73	22	32.231	.0326	32.254	32.208	22	
25.20	8.82	.007	8.82	8.81	22	32.482	.0000	32.483	32.481	22	
25.40	8.16	.437	8.54	7.15	8	32.617	.0822	32.685	32.430	8	
25.60	.58	.602	8.22	6.04	14	32.768	.1090	32.892	32.501	14	
25.80	7.48	.450	7.92	6.28	14	33.004	.0800	33.084	32.795	14	
26.00	7.33	.349	7.91	6.48	14	33.232	.0620	33.333	33.080	14	
26.20	7.20	.324	7.91	6.55	14	33.461	.0577	33.588	33.348	14	
26.40	7.08	.300	7.68	6.62	14	33.693	.0528	33.799	33.613	14	
26.60	6.67	.201	7.01	6.24	14	33.877	.0342	33.935	33.804	14	
26.80	5.59	.225	5.91	5.17	14	33.956	.0348	34.005	33.892	14	
27.00	4.68	.210	4.93	4.25	13	34.075	.0297	34.110	34.016	13	
27.10	4.36	.187	4.57	4.03	13	34.156	.0254	34.184	34.113	13	
27.20	4.05	.127	4.18	3.85	13	34.241	.0172	34.259	34.215	13	
27.30	3.72	.096	3.87	3.54	13	34.325	.0129	34.343	34.302	13	
27.40	3.31	.120	3.54	3.12	13	34.401	.0143	34.428	34.378	13	
27.50	2.83	.134	3.05	2.60	11	34.471	.0142	34.495	34.445	11	
27.60	2.39	.087	2.49	2.33	3	34.550	.0050	34.558	34.544	3	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	31	17.7	4.3	18	22	297.1	.29	297.1	296.9	22	
25.00	64	5.7	6.8	6.0	8	278.7	.12	278.8	278.6	8	
25.20	69	27.1	100	14	8	259.6	.43	260.1	258.8	8	
25.40	83	13.6	105	60	14	240.8	.25	241.2	240.4	14	
25.60	900	14.1	110	66	14	221.9	.25	222.4	221.5	14	
26.00	100	15.6	121	69	14	203.6	.27	203.5	202.6	14	
26.20	112	17.7	141	73	14	184.2	.29	184.9	183.7	14	
26.40	136	22.1	182	90	14	165.6	.37	166.0	165.0	14	
26.60	184	25.8	251	147	14	147.2	.40	148.5	146.7	14	
26.80	297	29.4	351	244	14	129.2	.36	129.7	128.6	14	
27.00	468	29.5	520	412	13	111.4	.38	112.0	110.7	13	
27.10	567	24.9	595	522	13	102.6	.33	103.1	101.9	13	
27.20	694	28.2	732	642	13	93.9	.34	94.4	93.2	13	
27.30	839	36.3	903	787	13	85.1	.31	85.6	84.6	13	
27.40	1019	44.4	1090	939	13	76.2	.25	76.7	75.8	13	
27.50	1260	62.0	1377	1189	11	67.2	.16	67.5	66.9	11	
27.60	1544	45.6	1571	1491	3	58.1	.06	58.1	58.0	3	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	8.84	.163	8.95	8.72	22	296.6	.06	296.6	296.5	22	
25.00	8.81	.014	8.82	8.80	22	277.5	.00	277.5	277.5	22	
25.20	8.15	.434	8.53	7.15	14	258.1	.82	258.6	256.1	14	
25.40	7.57	.603	8.21	6.03	14	239.1	.60	239.5	236.4	14	
25.60	7.47	.449	7.91	6.27	14	220.1	.50	220.4	218.7	14	
25.80	7.32	.349	7.90	6.47	14	201.1	.41	201.5	200.3	14	
26.00	7.19	.325	7.90	6.54	14	182.3	.15	182.4	181.9	14	
26.40	7.06	.298	7.66	6.61	14	163.3	.13	163.4	163.0	14	
26.60	6.66	.201	6.99	6.22	14	144.4	.04	144.4	144.3	14	
26.80	5.57	.226	5.88	5.14	14	125.3	.08	125.4	125.1	14	
27.00	4.64	.211	4.89	4.21	13	106.2	.06	106.3	106.1	13	
27.10	4.31	.184	4.52	3.99	13	96.7	.05	96.8	96.6	13	
27.20	4.00	.127	4.13	3.80	13	87.2	.05	87.2	87.1	13	
27.30	3.66	.095	3.81	3.48	13	77.6	.06	77.7	77.5	13	
27.40	3.24	.124	3.47	3.04	13	68.1	.04	68.1	68.0	13	
27.50	2.74	.136	2.96	2.50	11	58.5	.08	58.6	58.3	11	
27.60	2.28	.087	2.38	2.22	3	48.8	.17	49.0	48.7	3	

STATION MP08 FEBRUARY 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	0.935	5.28	1.540	5.50	22	1.7	1.70	2.29	0.95	22	
25.20	1.910	2263	2.070	1.750	8	.62	.127	.71	.53	8	
25.40	1.904	7663	2.710	1.360	8	.76	.444	1.40	.03	8	
25.50	2.196	3944	2.830	1.530	14	.95	.310	1.52	.46	14	
25.80	2.366	4104	2.970	1.680	14	1.11	.343	1.66	.56	14	
26.00	2.566	4435	3.330	1.750	14	1.30	.398	1.91	.61	14	
26.20	2.812	4862	3.710	1.820	14	1.58	.474	2.43	.66	14	
26.40	2.225	5642	4.440	2.110	14	2.12	.667	3.63	.91	14	
26.60	0.981	6177	5.540	3.130	14	3.37	.998	6.06	2.09	14	
26.80	5.539	6198	6.950	4.460	14	7.22	1.445	10.40	4.75	14	
27.00	7.620	6193	9.010	6.480	13	15.32	2.065	19.58	11.53	13	
27.10	8.688	5250	9.800	7.670	13	21.00	1.995	24.14	17.20	13	
27.20	9.944	5167	10.950	8.860	13	29.14	2.477	32.11	24.32	13	
27.30	11.255	6154	12.580	10.200	13	39.49	3.599	45.26	34.24	13	
27.40	12.721	6715	14.150	11.730	13	53.49	4.746	61.14	45.30	13	
27.50	14.453	7829	15.680	13.260	13	73.95	7.263	87.09	65.23	11	
27.60	15.923	2325	16.100	15.660	13	97.80	3.613	100.52	93.70	13	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	12.096	0.098	12.097	12.083	22	12.996	.5515	13.386	12.606	22	
25.20	11.113	3507	11.561	10.865	13	12.912	.5127	13.275	12.550	13	
25.40	10.705	5587	11.709	9.921	13	12.502	.3373	13.134	12.074	13	
25.60	10.300	3079	10.799	9.799	13	12.304	.3221	12.972	11.721	13	
26.00	10.127	2816	10.590	9.679	13	12.140	.3066	12.792	11.586	13	
26.20	9.922	2729	10.335	9.510	13	11.960	.2889	12.579	11.438	13	
26.40	9.670	2749	10.250	9.194	13	11.760	.2697	12.337	11.277	13	
26.60	9.255	3087	9.959	8.786	13	11.531	.2462	12.041	11.096	13	
26.80	8.486	2767	8.888	7.897	13	11.241	.2182	11.650	10.863	13	
27.00	6.918	2484	7.358	6.489	13	10.811	.1732	11.077	10.513	13	
27.10	4.876	2325	5.334	4.429	13	10.133	.1240	10.308	9.908	13	
27.20	3.805	1824	4.152	3.561	13	9.673	.0995	9.827	9.486	13	
27.30	2.550	2128	2.961	2.292	13	9.123	.0792	9.261	8.969	13	
27.40	1.238	2833	1.625	1.726	13	8.447	.0534	8.533	8.342	13	
27.50	-0.226	3480	1.393	-0.787	13	7.617	.0242	7.652	7.573	13	
27.60	-1.971	4752	-1.445	-2.863	11	6.575	.0613	6.665	6.472	11	
	-3.688	2694	-3.377	-3.847	13	5.373	.0092	5.381	5.363	13	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	1483	.0	1483	1483	22	
25.00	6.57	2	.	n/a	0	1484	.0	1484	1484	22	
25.20	6.26	2	.	n/a	1	1482	1.9	1483	1477	22	
25.40	5.83	2	.	n/a	1	1480	2.6	1482	1473	14	
25.60	5.44	2	.	n/a	1	1480	1.9	1482	1475	14	
26.00	4.72	2	.	n/a	1	1480	1.5	1482	1476	14	
26.20	4.17	2	.	n/a	1	1480	1.4	1483	1477	14	
26.40	3.89	2	.	n/a	1	1480	1.4	1483	1478	14	
26.80	1.80	2	.	n/a	1	1479	1.0	1481	1477	14	
27.00	1.23	2	.	n/a	1	1477	1.1	1478	1475	14	
27.10	.53	2	.	n/a	1	1477	.9	1478	1475	13	
27.20	.45	2	.	n/a	1	1478	.8	1479	1476	13	
27.30	.42	2	.	n/a	0	1479	.5	1480	1477	13	
27.40	n/a	n/a	n/a	n/a	0	1480	.5	1481	1479	13	
27.50	n/a	n/a	n/a	n/a	0	1482	.7	1483	1481	11	
27.60	n/a	n/a	n/a	n/a	0	1485	.0	1485	1485	13	

STATION MP08 MARCH 1956 to 1990

TEMPERATURE						SALINITY						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
25.00	7.95	1.009	10.27	7.80	18	32.073	.42546	32.784	32.291	8		
25.20	9.16	1.009	10.29	7.42	16	32.656	.1995	32.045	32.485	16		
25.40	8.34	1.009	10.11	7.26	17	32.882	.1821	33.264	32.710	17		
25.60	8.15	0.940	9.75	7.12	17	33.106	.1595	33.443	32.946	17		
25.80	7.98	0.844	9.25	7.01	17	33.320	.1340	33.594	34.189	17		
26.00	7.78	0.720	8.84	6.88	17	33.538	.1138	33.767	33.408	17		
26.20	7.61	0.619	8.16	6.65	17	33.736	.0876	33.890	33.619	17		
26.40	7.32	0.492	7.30	6.38	17	33.900	.0566	33.985	33.827	17		
26.60	6.86	0.324	6.25	5.38	17	33.978	.0398	34.060	33.923	17		
26.80	5.73	0.253	4.98	4.41	16	34.082	.0249	34.118	34.037	16		
27.00	4.73	0.177	4.15	4.16	16	34.153	.0158	34.187	34.130	16		
27.10	4.33	0.115	4.58	3.77	16	34.237	.0154	34.269	34.207	16		
27.20	4.01	0.122	4.26	3.56	16	34.321	.0130	34.349	34.306	16		
27.30	3.69	0.097	3.90	3.21	16	34.399	.0077	34.418	34.390	16		
27.40	3.29	0.067	3.45	2.74	11	34.471	.0062	34.480	34.460	11		
27.50	2.83	0.061	2.92	2.28	4	34.542	.0000	34.544	34.541	4		
27.60	2.30	.023	2.32	2.28	4							
SIGMA	DEPTH						SVA					
-T.	MEAN	S.D.	MAX	MIN	N		MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
25.00	24	39.3	120	31	8	297.0	.85	280.0	278.1	8		
25.20	72	39.3	135	14	16	278.9	.75	261.3	258.8	16		
25.40	74	35.3	146	47	17	259.8	.70	242.4	240.2	17		
25.60	88	30.1	158	50	17	241.0	.70	223.6	221.3	17		
25.80	96	31.1	180	63	17	222.1	.75	205.0	202.5	17		
26.00	107	35.0	206	77	17	184.5	.84	186.3	183.8	17		
26.20	124	40.9	248	98	17	165.9	.90	167.8	165.1	17		
26.40	150	47.9	322	141	17	147.6	.95	149.5	146.8	17		
26.60	206	58.2	456	235	17	129.7	.96	131.7	128.6	17		
26.80	328	68.9	609	397	16	111.7	.71	113.2	110.9	16		
27.00	490	65.3	702	518	16	102.7	.50	103.7	102.3	16		
27.10	588	63.3	830	591	16	93.9	.48	94.7	93.3	16		
27.20	704	70.2	964	739	16	85.1	.44	85.9	84.6	16		
27.30	846	68.4	1147	939	16	76.3	.41	77.0	75.8	16		
27.40	1028	65.7	1345	1192	11	67.1	.17	67.4	66.9	11		
27.50	1250	48.7	1673	1522	4	58.2	.31	58.4	57.7	4		
SIGMA	THETA						SVA (THETA)					
-T.	MEAN	S.D.	MAX	MIN	N		MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0		n/a	n/a	n/a	n/a	0	
25.00	7.95	1.006	10.26	7.80	18	295.7	.22	277.6	276.9	8		
25.20	9.09	0.965	10.27	7.41	16	277.3	.49	258.5	256.7	16		
25.40	8.33	1.006	10.09	7.25	17	258.1	.04	239.5	236.3	17		
25.60	8.14	0.935	9.73	7.11	17	238.7	.99	220.4	216.7	17		
25.80	7.97	0.842	9.23	7.00	17	219.6	.67	201.4	199.0	17		
26.00	7.77	0.716	8.82	6.87	17	182.1	.30	182.4	181.4	17		
26.20	7.60	0.615	8.13	6.64	17	163.3	.12	163.5	163.1	17		
26.40	7.30	0.486	7.29	6.37	17	144.2	.22	144.4	143.7	17		
26.60	6.78	0.319	6.23	5.35	17	125.2	.17	125.3	124.8	17		
26.80	5.70	0.250	4.93	4.37	16	106.2	.08	106.3	106.0	16		
27.00	4.69	0.173	4.54	4.11	16	96.6	.06	96.7	96.5	16		
27.10	4.28	0.118	4.21	3.71	16	87.1	.07	87.2	87.0	16		
27.20	3.96	0.125	3.85	3.49	16	77.6	.07	77.7	77.5	16		
27.30	3.63	0.100	3.38	3.13	11	68.0	.09	68.1	67.8	16		
27.40	3.22	0.068	2.83	2.64	11	58.5	.11	58.6	58.3	11		
27.50	2.74	0.062	2.83	2.64	11	48.6	.17	48.9	48.5	4		
27.60	2.19	.028	2.22	2.16	4							

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	.7600	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.20	2.079	1.1595	3.530	.870	8	.97	.899	2.18	.14	8	
25.40	2.065	1.078	3.920	.370	16	.95	.840	2.70	.03	16	
25.60	2.406	.9053	4.190	1.290	17	1.00	.859	3.09	.30	17	
25.80	2.604	.9252	4.470	1.370	17	1.39	.943	3.53	.34	17	
26.00	2.844	1.0158	4.950	1.650	17	1.67	1.155	4.35	.51	17	
26.20	3.160	1.1243	5.460	1.930	17	2.08	1.476	5.37	.73	17	
26.40	3.629	1.2496	6.200	2.250	17	2.79	1.951	7.09	1.04	17	
26.60	4.501	1.4070	7.390	2.900	17	4.47	2.829	10.55	1.84	17	
26.80	6.194	1.5302	9.260	4.350	17	9.19	4.286	18.02	4.48	17	
27.00	8.166	1.5142	11.060	6.290	16	17.43	5.514	28.06	10.75	16	
27.10	9.222	1.4862	12.060	7.590	16	23.26	6.078	34.92	16.85	16	
27.20	10.370	1.5296	13.220	8.800	16	30.92	7.266	44.23	22.92	16	
27.30	11.652	1.5290	14.460	10.090	16	41.11	8.095	55.52	32.01	16	
27.40	13.129	1.5088	15.930	11.480	16	55.34	8.945	71.78	45.72	16	
27.50	14.250	1.8221	15.860	13.230	11	72.43	6.706	85.29	65.28	11	
27.60	16.137	.7722	17.150	15.270	4	104.22	8.096	113.34	93.81	4	
DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	11.867	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	0	
25.20	11.450	.5540	12.362	10.642	18	12.590	.9658	14.709	12.537	18	
25.40	10.826	.5254	11.738	9.851	15	13.462	.8991	14.469	11.760	15	
25.60	10.414	4.457	11.589	9.705	16	12.768	.8537	14.202	11.652	16	
25.80	10.218	4.491	11.508	9.571	16	12.547	.8044	13.917	11.533	16	
26.00	9.987	4.029	11.229	9.450	16	12.373	.7517	13.599	11.397	16	
26.20	9.677	3.517	10.779	9.278	16	12.181	.6901	13.238	11.238	16	
26.40	9.207	3.565	10.012	8.636	16	11.714	.6133	12.828	11.052	16	
26.60	8.331	4.769	9.004	7.449	16	11.397	.5203	12.325	10.800	16	
26.80	6.627	6.034	7.407	5.575	16	10.923	.4073	11.649	10.446	16	
27.00	4.663	5.108	5.465	3.725	16	10.186	.2756	10.675	9.875	16	
27.10	3.608	4.796	4.166	2.706	16	9.701	.2122	10.059	9.410	16	
27.20	2.460	5.501	3.337	1.452	16	9.127	.1508	9.380	8.896	16	
27.30	1.179	5.409	2.006	1.228	16	8.445	.0885	8.593	8.321	16	
27.40	-0.300	5.269	3.91	-1.269	16	7.612	.0242	7.658	7.580	16	
27.50	-1.883	3.881	-1.433	-2.627	11	6.596	.0399	6.641	6.528	11	
27.60	-4.121	.4493	-3.518	-4.585	4	5.346	.0301	5.366	5.301	4	
OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	5.80	n/a	n/a	n/a	0	14.79	n/a	n/a	n/a	1	
25.20	6.22	1.015	6.86	5.65	3	14.85	4.6	14.91	14.79	8	
25.40	5.78	.847	6.45	4.54	4	14.82	4.5	14.91	14.78	17	
25.60	5.24	.838	6.04	4.07	4	14.82	4.1	14.91	14.78	17	
26.00	4.79	.753	5.65	3.83	4	14.82	3.9	14.90	14.78	17	
26.20	4.24	.839	5.29	3.24	4	14.81	3.0	14.88	14.78	17	
26.40	3.78	.896	4.99	2.83	4	14.80	2.6	14.86	14.78	17	
26.60	3.42	.853	4.34	2.43	4	14.78	2.0	14.84	14.78	17	
26.80	2.04	.363	2.46	1.64	4	14.77	1.4	14.80	14.76	17	
27.00	.98	.078	1.08	.91	4	14.77	.9	14.78	14.76	16	
27.10	.64	.081	.74	.55	4	14.78	1.0	14.79	14.76	16	
27.20	.48	.071	.58	.43	4	14.79	1.0	14.80	14.77	16	
27.30	.41	.089	.50	.32	4	14.80	1.1	14.82	14.79	16	
27.40	.45	.147	.59	.30	4	14.82	.7	14.83	14.81	11	
27.50	.55	.112	.67	.45	3	14.86	1.3	14.87	14.84	4	
27.60	.99	.150	1.15	.85	3						

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.20	8.65	.417	9.24	8.26	4	32.454	.0883	32.580	32.375	4	
25.40	7.92	.515	8.89	7.26	7	32.576	.0982	32.760	32.449	7	
25.60	7.27	.676	8.66	6.45	11	32.715	.1251	32.975	32.567	11	
25.80	7.24	.595	8.47	6.42	11	32.966	.1102	33.197	32.818	11	
26.00	7.31	.484	8.28	6.71	11	33.229	.0881	33.404	33.120	11	
26.20	7.42	.315	7.95	6.93	11	33.498	.0575	33.595	33.411	11	
26.40	7.20	.174	7.50	6.93	11	33.713	.0318	33.769	33.665	11	
26.60	6.74	.149	7.01	6.51	11	33.887	.0258	33.934	33.848	11	
26.80	5.71	.167	5.97	5.39	11	34.975	.0269	34.018	33.925	11	
27.00	4.73	.204	4.99	4.36	9	34.082	.0286	34.119	34.031	9	
27.10	4.38	.159	4.59	4.06	9	34.159	.0220	34.188	34.116	9	
27.20	4.06	.125	4.19	3.79	9	34.243	.0162	34.260	34.208	9	
27.30	3.72	.107	3.85	3.50	9	34.325	.0131	34.341	34.298	9	
27.40	3.37	.096	3.48	3.20	9	34.408	.0113	34.421	34.388	9	
27.50	2.90	.110	3.14	2.77	9	34.479	.0120	34.506	34.465	9	
27.60	2.32	.064	2.37	2.28	2	34.544	.0096	34.548	34.540	2	

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	n/a	n/a	n/a	n/a	0	278.5	.31	279.0	278.3	4	
25.20	5.88	16.2	81	45	4	259.6	.39	260.1	259.0	7	
25.40	6.68	24.0	95	28	7	240.7	.32	241.3	240.2	11	
25.60	7.99	17.7	105	49	11	221.8	.26	222.3	221.4	11	
25.80	8.99	14.7	113	62	11	203.0	.28	203.6	202.6	11	
26.00	11.66	14.6	121	72	11	184.3	.23	184.7	183.9	11	
26.20	13.4	14.0	151	86	11	165.6	.21	166.0	165.3	11	
26.40	12.7	12.7	154	114	11	147.2	.26	147.6	146.8	11	
26.60	18.3	16.0	207	158	11	129.3	.31	129.9	128.8	11	
26.80	29.59	22.2	331	254	9	111.4	.30	112.0	111.1	9	
27.00	45.99	21.8	494	423	9	102.5	.27	103.0	102.2	2	
27.10	55.9	24.4	596	523	9	93.8	.23	94.1	93.4	2	
27.20	67.7	26.8	723	645	9	85.0	.17	85.2	84.7	2	
27.30	81.9	31.6	832	779	9	76.2	.21	76.5	75.9	2	
27.40	98.7	35.9	1035	926	2	67.2	.13	67.3	67.0	2	
27.50	121.9	35.9	1279	1089	2	58.0	.07	58.1	58.0	2	
27.60	157.7	31.1	1599	1555	2						

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	8.64	.414	9.23	8.26	4	277.2	.50	277.6	276.5	4	
25.20	7.91	.513	8.88	7.26	7	257.9	.56	258.5	257.1	7	
25.40	6.72	.675	6.65	6.44	11	239.1	.57	239.5	237.7	11	
25.60	7.27	.592	8.45	6.42	11	219.9	.75	220.4	218.2	11	
25.80	7.24	.592	8.45	6.42	11	201.1	.65	201.4	199.3	11	
26.00	7.30	.485	7.27	6.70	11	182.3	.16	182.4	182.0	11	
26.20	7.41	.316	7.94	6.92	11	163.4	.07	163.4	163.2	11	
26.40	7.10	.173	7.49	6.92	11	144.4	.04	144.4	144.3	11	
26.60	6.72	.148	6.99	6.49	11	125.2	.15	125.4	125.0	11	
26.80	5.69	.168	5.94	5.36	9	106.2	.09	106.3	106.0	9	
27.00	4.69	.200	4.95	4.33	9	96.7	.05	96.7	96.6	6	
27.10	4.30	.161	4.54	4.01	9	87.2	.05	87.2	87.1	5	
27.20	4.01	.125	4.14	3.74	9	77.6	.07	77.7	77.5	5	
27.30	3.66	.107	3.79	3.44	9	68.1	.04	68.1	68.0	5	
27.40	3.30	.098	4.41	3.13	9	58.5	.10	58.6	58.5	5	
27.50	2.82	.113	2.06	2.68	2	48.8	.07	48.8	48.7	2	
27.60	2.22	.064	2.26	2.17	2						

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	1.652	.4877	2.360	1.280	4	.51	.311	.97	.29	4	
25.20	1.904	.7319	2.650	1.730	7	.74	.454	1.28	.10	7	
25.40	2.095	.5365	2.960	1.260	11	.88	.393	1.53	.31	11	
25.60	2.325	.4862	3.140	1.570	11	1.07	.388	1.74	.49	11	
26.00	2.525	.4827	3.300	1.790	11	1.26	.420	1.96	.64	11	
26.20	2.765	.4866	3.540	2.060	11	1.51	.454	2.22	.86	11	
26.40	3.175	.4441	3.940	2.550	11	2.02	.452	2.81	1.36	11	
26.60	3.938	.4675	4.690	3.240	11	3.26	.612	4.18	2.32	11	
26.80	5.484	.5536	6.480	4.660	11	7.06	1.124	9.05	1.05	9	
27.00	7.487	.5511	8.470	6.850	9	14.71	1.546	17.43	12.42	9	
27.10	8.567	.5862	9.570	7.820	9	20.36	1.964	23.58	17.64	9	
27.20	9.737	.6156	10.830	9.050	9	27.78	2.454	32.14	24.85	9	
27.30	11.016	.6591	12.180	10.320	9	57.65	3.197	43.23	33.69	9	
27.40	12.384	.6591	15.500	11.640	9	50.36	3.880	56.13	44.62	9	
27.50	14.066	.7416	15.270	12.950	9	69.47	5.935	77.22	56.80	9	
27.60	16.375	.8556	16.980	15.770	2	101.80	5.805	105.90	97.69	2	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	11.204	.3728	11.523	10.794	3	12.891	.1435	13.055	12.790	3	
25.20	10.577	.3909	11.164	10.154	6	12.383	.4119	12.892	11.882	6	
25.40	10.300	.2891	10.792	9.914	6	12.209	.3000	12.706	11.807	6	
25.60	10.065	.2019	10.351	9.717	6	12.049	.2729	12.502	11.701	6	
25.80	9.863	.1816	10.996	9.540	6	11.872	.2470	12.285	11.547	6	
26.00	9.624	.1663	9.891	9.377	6	11.677	.2208	12.050	11.368	6	
26.20	9.221	.1156	9.406	9.010	6	11.450	.1959	11.783	11.175	6	
26.40	8.460	.1043	8.652	8.246	6	11.167	.1785	11.466	10.914	6	
26.80	6.880	.1063	7.611	6.676	6	10.744	.1524	11.005	10.537	6	
27.00	4.922	.1478	5.172	4.689	6	10.071	.1175	10.271	9.921	6	
27.10	3.841	.1717	4.098	3.589	6	9.619	.0953	9.768	9.490	6	
27.20	2.672	.1960	2.896	2.326	6	9.074	.0723	9.187	8.972	6	
27.30	1.390	.2416	1.687	0.973	6	8.413	.0447	8.475	8.344	6	
27.40	-0.022	.2725	0.483	-0.343	2	7.614	.0248	7.654	7.580	2	
27.50	-1.658	.4113	-0.693	-2.117	2	6.613	.0348	6.678	6.570	2	
27.60	-3.924	.2538	-3.744	-4.103	2	5.332	.0728	5.384	5.281	2	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	n/a	n/a	n/a	n/a	0	1483	2.2	1486	1481	4	
25.20	n/a	n/a	n/a	n/a	0	1481	2.5	1485	1477	7	
25.40	n/a	n/a	n/a	n/a	0	1479	2.1	1485	1475	11	
25.60	n/a	n/a	n/a	n/a	0	1479	2.5	1484	1475	11	
25.80	n/a	n/a	n/a	n/a	0	1479	2.2	1484	1477	11	
26.00	n/a	n/a	n/a	n/a	0	1481	1.4	1483	1479	11	
26.20	n/a	n/a	n/a	n/a	0	1480	0.8	1482	1479	11	
26.40	n/a	n/a	n/a	n/a	0	1479	0.8	1481	1478	11	
26.60	n/a	n/a	n/a	n/a	0	1477	0.8	1479	1476	11	
26.80	n/a	n/a	n/a	n/a	0	1476	1.1	1478	1475	9	
27.00	n/a	n/a	n/a	n/a	0	1476	0.9	1478	1475	9	
27.10	n/a	n/a	n/a	n/a	0	1477	0.7	1478	1476	9	
27.20	n/a	n/a	n/a	n/a	0	1478	0.5	1479	1478	9	
27.30	n/a	n/a	n/a	n/a	0	1480	0.4	1482	1481	9	
27.40	n/a	n/a	n/a	n/a	0	1482	0.7	1486	1485	9	
27.50	n/a	n/a	n/a	n/a	0					0	
27.60	n/a	n/a	n/a	n/a	0					0	

STATION MP08 M A Y 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	10.06	n/a	n/a	n/a	1	31.740	n/a	n/a	n/a	1	
24.60	10.25	1.047	10.99	9.51	2	32.017	.2164	32.170	31.864	12	
24.80	9.85	.488	10.58	9.18	12	32.191	.1026	32.341	32.050	17	
25.00	9.36	.503	10.33	8.31	17	32.333	.1031	32.539	32.129	32	
25.20	8.69	.490	9.81	7.61	32	32.464	.0961	32.686	32.256	32	
25.40	7.91	.443	8.95	7.08	35	32.571	.0837	32.793	32.418	35	
25.60	7.54	.491	8.70	6.59	35	32.761	.0893	32.979	32.595	35	
25.80	7.36	.484	8.41	6.32	35	32.985	.0869	33.191	32.802	35	
26.00	7.25	.412	8.15	6.45	35	33.218	.0730	33.378	33.076	35	
26.20	7.15	.339	8.11	6.58	35	33.453	.0609	33.628	33.351	35	
26.40	7.03	.211	7.87	6.47	35	33.686	.0545	33.836	33.588	35	
26.60	6.60	.215	7.10	6.15	35	33.864	.0364	33.950	33.789	34	
26.80	5.51	.209	5.98	5.13	34	33.944	.0322	34.018	33.886	34	
27.00	4.58	.162	4.90	4.26	31	34.062	.0231	34.108	34.017	31	
27.10	4.28	.124	4.51	4.05	30	34.147	.0167	34.177	34.115	30	
27.20	4.02	.069	4.22	3.79	30	34.237	.0136	34.263	34.208	30	
27.30	3.70	.099	3.86	3.51	30	34.322	.0129	34.343	34.298	30	
27.40	3.31	.083	3.42	3.10	29	34.401	.0104	34.413	34.376	29	
27.50	2.83	.083	2.97	2.61	26	34.471	.0093	34.486	34.446	26	
27.60	2.29	.083	2.38	2.13	8	34.540	.0088	34.548	34.525	8	
DEPTH						SVA					
SIGMA-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	353.9	.08	335.0	334.9	1	
24.40	11.2	.8	13	9	2	334.9	.08	335.0	315.7	12	
24.60	17.1	13.1	38	22	17	316.0	.22	316.3	296.7	17	
24.80	28.0	15.8	54	22	17	297.1	.28	297.7	277.8	32	
25.00	40.0	14.1	81	14	32	278.3	.23	278.9	258.8	32	
25.20	65.6	21.8	103	11	35	259.6	.26	240.8	241.4	35	
25.40	84.0	15.6	121	56	35	240.8	.23	222.5	221.6	35	
25.60	96.0	12.7	128	74	35	221.9	.22	203.6	202.7	35	
26.00	108.0	12.2	139	85	35	203.1	.21	184.7	183.9	35	
26.20	122.0	12.2	147	95	35	184.4	.22	166.0	165.3	35	
26.40	143.0	12.9	166	115	35	165.7	.24	147.3	146.9	35	
26.60	190.0	14.7	219	159	35	147.3	.24	129.2	130.1	34	
26.80	300.0	20.7	343	259	34	129.2	.32	111.2	112.0	34	
27.00	460.0	25.1	518	397	31	102.4	.34	103.1	101.6	30	
27.10	562.0	29.8	619	487	30	93.7	.27	94.5	93.3	30	
27.20	684.0	29.4	738	621	30	85.0	.27	85.5	84.4	30	
27.30	824.0	34.4	889	737	30	76.2	.19	76.7	75.9	29	
27.40	1010.0	33.9	1079	953	29	67.2	.24	67.8	66.7	26	
27.50	1255.0	40.9	1341	1173	26	57.9	.36	58.2	57.1	8	
SIGMA-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	351.5	.08	334.7	333.7	1	
24.20	10.06	n/a	n/a	n/a	1	334.2	.71	334.7	313.3	12	
24.40	10.25	1.047	10.99	9.51	2	314.9	.73	315.7	296.6	17	
24.60	9.85	.488	10.58	9.18	12	295.0	.03	296.6	274.4	17	
24.80	8.69	.501	10.32	8.31	17	277.1	.67	277.6	258.5	32	
25.00	8.36	.501	10.32	8.31	17	258.2	.51	258.5	256.3	32	
25.20	8.68	.490	9.81	7.61	32	239.0	.62	239.5	237.1	32	
25.40	7.91	.442	8.94	7.08	35	201.1	.52	201.4	199.5	32	
25.60	7.53	.486	8.69	6.58	35	182.2	.26	182.4	181.5	32	
25.80	7.35	.482	8.40	6.32	35	163.3	.13	163.4	163.0	32	
26.00	7.24	.411	8.14	6.45	35	144.4	.05	144.4	144.2	32	
26.20	7.14	.339	8.10	6.57	35	125.2	.12	125.4	124.8	32	
26.40	7.02	.311	7.86	6.46	35	106.2	.11	106.4	106.0	30	
26.60	6.58	.215	7.07	6.13	35	96.7	.07	96.8	96.5	30	
26.80	5.48	.207	5.94	5.10	34	87.2	.04	87.2	87.1	30	
27.00	4.55	.162	4.86	4.23	31	77.6	.05	77.7	77.6	30	
27.10	4.24	.123	4.46	4.01	30	68.1	.08	68.1	67.9	29	
27.20	3.97	.098	4.16	3.74	30	58.5	.11	58.6	58.2	26	
27.30	3.64	.100	3.81	3.44	30	48.8	.16	49.1	48.6	8	
27.40	3.24	.085	3.45	3.02	29						
27.50	2.74	.084	2.88	2.52	26						
27.60	2.18	.084	2.27	2.01	8						

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	.240	n/a	n/a	n/a	0	.01	n/a	n/a	n/a	0	
24.60	.385	.0636	.430	.340	12	.02	.007	.03	.02	12	
24.80	.547	.4309	1.240	.000	12	.07	.090	.24	.00	17	
25.00	.873	.5031	1.670	.060	17	.16	.156	.47	.00	35	
25.20	1.198	.4458	2.530	.420	32	.27	.212	1.01	.03	35	
25.40	1.848	.6291	3.030	.290	35	.66	.399	1.50	.02	35	
25.60	2.333	.4613	3.320	1.420	35	1.00	.389	2.01	.40	35	
25.80	2.626	.3773	4.70	2.000	35	1.26	.462	2.53	.91	35	
26.00	2.873	.3637	7.710	2.220	35	1.52	.379	2.76	1.10	31	
26.20	3.157	.3629	3.950	2.420	35	1.86	.454	3.30	1.47	35	
26.40	3.522	.3746	4.310	2.770	35	1.59	.570	4.62	2.43	34	
26.60	4.246	.3869	4.910	3.450	34	1.43	1.030	9.61	5.55	31	
26.80	5.772	.4515	6.600	4.860	34	1.694	1.694	19.06	11.07	30	
27.00	7.699	.5016	8.750	6.510	31	20.73	2.248	25.47	15.45	30	
27.10	8.795	.5477	9.850	7.480	30	28.43	.591	32.99	22.95	30	
27.20	9.998	.5431	11.030	8.790	30	58.25	.304	44.16	30.53	30	
27.30	11.263	.5658	12.130	9.990	30	52.42	.821	59.78	45.73	29	
27.40	12.751	.5500	13.810	11.630	29	73.02	.130	83.88	63.10	26	
27.50	14.528	.6065	15.650	13.220	26	102.94	7.627	119.46	93.15	8	
27.60	16.579	.7422	18.050	15.610	8						

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	12.840	n/a	n/a	n/a	1	
24.40	12.612	n/a	n/a	n/a	1	12.959	.1895	13.093	12.825	2	
24.60	12.589	.1163	12.667	12.511	22	12.590	.3195	13.032	12.018	16	
24.80	11.998	.3411	12.415	11.449	10	12.622	.3273	13.260	11.989	14	
25.00	11.830	.4240	12.630	11.145	14	12.598	.3074	13.174	11.939	27	
25.20	11.505	.3706	12.040	10.565	27	12.466	.3019	13.050	11.863	30	
25.40	10.794	.4189	11.622	10.066	30	12.323	.2706	12.851	11.762	30	
25.60	10.273	.2568	10.882	9.690	30	12.149	.2504	12.638	11.621	30	
25.80	9.974	.2204	10.634	9.532	30	11.955	.2346	12.405	11.462	30	
26.00	9.739	.2227	10.322	9.298	30	11.737	.2200	12.150	11.288	30	
26.20	9.469	.2008	10.033	9.105	30	11.491	.2047	11.893	11.079	30	
26.40	9.114	.1929	9.724	8.779	30	11.193	.1869	11.563	10.797	30	
26.60	8.405	.1746	8.769	8.073	30	10.762	.1655	11.070	10.409	30	
26.80	8.882	.1467	7.111	6.572	30	10.085	.1252	10.331	9.826	30	
27.00	4.934	.1830	5.405	4.443	30	9.634	.1023	9.821	9.420	30	
27.10	3.825	.2303	4.439	3.344	30	9.090	.0755	9.233	8.917	30	
27.20	2.622	.2220	3.120	2.214	30	8.424	.0492	8.510	8.314	30	
27.30	1.357	.2666	2.029	845	26	7.615	.0174	7.661	7.586	26	
27.40	-0.154	.2653	.286	-0.698	26	6.588	.0401	6.642	6.463	26	
27.50	-1.922	.3183	-1.303	-2.605	26	5.300	.0816	5.397	5.168	8	
27.60	-3.988	.4118	-3.463	-4.851	8						

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	1487	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	1488	4.2	1491	1485	22	
24.40	n/a	n/a	n/a	n/a	0	1487	1.9	1490	1484	12	
24.60	6.82	n/a	n/a	n/a	1	1485	2.0	1489	1481	17	
24.80	6.61	n/a	n/a	n/a	1	1483	2.0	1487	1478	32	
25.00	6.60	.417	6.89	6.30	2	1481	2.0	1485	1477	35	
25.20	6.28	.587	6.69	5.86	2	1480	2.1	1484	1475	35	
25.40	5.87	.212	6.02	5.72	2	1479	1.8	1484	1475	35	
25.60	5.43	.092	5.50	5.37	2	1479	1.4	1483	1476	35	
25.80	5.02	.304	5.24	4.81	2	1479	1.0	1483	1477	35	
26.00	4.66	.495	5.01	4.31	2	1479	1.0	1483	1477	35	
26.20	4.39	.396	4.67	4.11	2	1479	1.0	1482	1477	35	
26.40	4.11	.113	4.19	4.03	2	1477	1.0	1479	1475	34	
26.60	2.55	.863	3.16	1.94	2	1476	1.0	1478	1474	31	
27.00	.99	.608	1.42	.56	2	1476	.8	1478	1474	31	
27.10	.54	.325	.77	.31	2	1477	.7	1479	1476	30	
27.20	.39	.166	.47	.32	2	1478	.6	1479	1477	30	
27.30	.35	.028	.37	.33	2	1480	.5	1481	1479	29	
27.40	.45	.028	.44	.40	2	1482	.5	1483	1481	26	
27.50	.56	.085	.62	.50	2	1486	.9	1487	1484	8	
27.60	.97	n/a	n/a	n/a	1						

STATION MP08 J U N E 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	13.38	n/a	n/a	n/a	1	31.794	.0417	31.828	31.769	1	
24.00	12.57	.198	12.71	12.43	2	31.798	.0417	31.828	31.769	2	
24.20	12.68	.585	13.28	11.97	6	32.092	.1302	32.217	31.944	6	
24.40	12.07	.522	12.91	11.14	13	32.185	.1177	32.374	31.954	13	
24.60	11.48	.524	12.28	10.42	16	32.397	.1098	32.484	32.060	16	
24.80	10.55	.496	11.22	9.04	20	32.350	.1067	32.491	32.030	20	
25.00	9.68	.437	10.29	8.38	20	32.409	.0897	32.543	32.160	20	
25.20	8.73	.351	9.35	7.85	20	32.476	.0676	32.593	32.321	20	
25.40	7.96	.398	8.70	7.31	20	32.585	.0768	32.742	32.457	20	
25.60	7.48	.527	8.33	6.40	20	32.749	.0955	32.910	32.559	20	
25.80	7.34	.490	8.06	6.53	20	32.977	.0875	33.112	32.839	20	
26.00	7.32	.384	8.02	6.74	20	33.229	.0682	33.352	33.132	20	
26.20	7.26	.368	7.93	6.55	20	33.472	.0649	33.590	33.346	20	
26.40	7.15	.337	7.73	6.52	20	33.705	.0588	33.809	33.598	20	
26.60	6.69	.263	7.14	6.17	19	33.879	.0450	33.957	33.792	19	
26.80	5.54	.226	6.01	5.25	17	33.949	.0342	34.020	34.906	17	
27.00	4.57	.124	4.81	4.39	16	34.060	.0172	34.093	34.034	16	
27.10	4.25	.128	4.51	4.01	16	34.142	.0173	34.177	34.110	16	
27.20	3.98	.099	4.21	3.76	16	34.232	.0134	34.264	34.204	16	
27.30	3.67	.102	3.90	3.50	16	34.319	.0131	34.348	34.298	16	
27.40	3.26	.105	3.51	3.07	16	34.395	.0116	34.424	34.373	16	
27.50	2.79	.121	3.01	2.60	14	34.467	.0135	34.491	34.447	14	
27.60	2.39	.070	2.46	2.32	3	34.549	.0074	34.555	34.543	3	

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	19	17.7	31	6	1	411.1	.35	392.5	392.0	2	
24.00	15	11.4	35	2	6	392.3	.18	373.3	372.9	6	
24.20	21	10.3	40	1	13	373.1	.19	354.4	353.8	13	
24.40	26	9.5	44	11	16	354.2	.15	335.4	334.9	16	
24.60	33	8.8	48	16	20	335.2	.15	316.6	316.0	20	
24.80	40	9.5	58	24	20	316.3	.16	297.6	297.1	20	
25.00	52	13.1	79	36	20	297.3	.20	278.9	278.2	20	
25.20	66	14.3	94	47	20	278.5	.24	260.0	259.2	20	
25.40	85	12.9	110	68	20	259.6	.23	241.2	240.5	20	
25.60	99	12.2	123	79	20	240.8	.22	222.4	221.6	20	
25.80	111	11.5	133	93	20	222.0	.17	203.5	202.9	20	
26.00	126	10.9	150	107	20	203.2	.19	184.8	184.1	20	
26.20	149	13.6	182	124	20	184.4	.25	166.4	165.3	20	
26.40	197	20.7	239	158	19	165.8	.31	147.9	146.8	19	
26.60	311	26.5	358	249	17	147.4	.42	130.1	128.7	17	
27.00	474	35.3	543	400	16	129.4	.36	111.9	110.7	16	
27.10	572	35.0	628	496	16	111.4	.29	102.9	101.9	16	
27.20	697	32.6	736	622	16	102.5	.22	94.1	93.3	16	
27.30	837	31.8	871	761	16	93.8	.19	85.3	84.6	16	
27.40	1025	40.1	1081	954	16	85.0	.23	76.5	75.8	16	
27.50	1272	64.1	1397	1183	14	76.2	.19	67.3	66.7	14	
27.60	1530	49.0	1571	1476	3	67.1	.10	58.1	57.9	3	

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	13.38	n/a	n/a	n/a	1	405.1	.35	389.9	389.4	1	
24.00	12.57	.191	12.70	12.43	2	389.6	.2	372.7	366.7	6	
24.20	12.68	.585	13.27	11.96	6	370.2	.52	353.7	346.6	13	
24.40	12.07	.522	12.91	11.14	13	352.4	.96	334.6	328.9	16	
24.60	11.48	.524	12.28	10.42	16	333.1	.92	315.6	310.5	20	
24.80	10.55	.497	11.22	9.03	20	314.3	.40	296.5	291.9	20	
25.00	9.67	.438	10.29	8.37	20	295.9	.03	277.5	274.1	20	
25.20	8.72	.350	9.34	7.85	20	276.7	.98	257.8	255.3	20	
25.40	7.96	.397	8.69	7.30	20	257.8	.02	239.5	237.9	20	
25.60	7.47	.528	8.32	6.39	20	239.1	.45	220.1	219.1	20	
25.80	7.32	.491	8.06	6.52	20	220.1	.43	201.4	200.0	20	
26.00	7.31	.385	8.01	6.73	20	201.1	.41	182.4	181.7	20	
26.20	7.25	.369	7.92	6.54	20	182.3	.21	163.4	163.0	20	
26.40	7.13	.345	7.72	6.51	20	163.3	.12	144.4	144.2	19	
26.60	6.67	.263	7.12	6.15	19	144.3	.04	125.4	124.8	17	
26.80	5.51	.223	5.98	5.23	17	125.2	.15	106.2	106.0	16	
27.00	4.54	.123	4.77	4.36	16	106.2	.10	96.8	96.6	16	
27.10	4.20	.128	4.47	3.97	16	96.7	.06	87.2	87.1	16	
27.20	3.92	.100	4.16	3.71	16	87.2	.05	77.7	77.6	16	
27.30	3.61	.103	3.84	3.44	16	77.6	.03	68.1	68.0	16	
27.40	3.19	.108	3.44	2.99	16	68.1	.05	58.6	58.3	14	
27.50	2.70	.125	2.93	2.51	14	58.5	.10	49.0	48.8	3	
27.60	2.28	.075	2.36	2.21	3	48.9	.12				

STATION MP08 JUNE 1956 to 1990

DELTA D						POT. ENERGY						
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.80	140	n/a	n/a	n/a	1	.00	.134	.20	.01	12		
24.00	750	.7212	1.260	.240	2	.11	.097	.26	.00	6		
24.20	608	.4626	1.420	.090	13	.07	.085	.31	.00	13		
24.40	798	.3911	1.570	.040	16	.10	.098	.38	.00	20		
24.60	940	.5636	1.720	.590	20	.14	.098	.44	.04	20		
24.80	1.149	.3294	1.850	.550	20	.20	.107	.60	.10	20		
25.00	1.377	.3492	2.160	.800	20	.29	.136	.60	.10	20		
25.20	1.710	.4464	2.640	1.180	20	.46	.236	.81	.21	20		
25.40	2.166	.4581	2.890	1.550	20	.74	.306	1.02	.35	20		
25.60	2.585	.4043	3.250	2.100	20	1.07	.325	1.29	.71	20		
25.80	2.896	.3815	3.560	2.380	20	1.36	.345	2.07	.91	20		
26.00	3.155	.3584	3.760	2.610	20	1.63	.351	2.34	1.14	20		
26.20	3.447	.3387	4.090	2.890	20	1.99	.364	2.81	1.43	20		
26.40	3.855	.3908	4.660	3.180	20	2.57	.481	3.77	1.77	20		
26.60	4.612	.4807	5.560	3.770	19	3.92	.783	5.72	2.60	19		
26.80	6.209	.5152	6.920	4.050	17	15.99	1.298	20.23	5.20	17		
27.00	8.181	.6197	9.080	4.850	16	21.68	2.718	26.26	11.17	16		
27.10	9.241	.6173	9.990	7.880	16	29.73	2.966	33.74	15.92	16		
27.20	10.478	.5881	11.090	9.130	16	39.69	3.270	43.02	21.85	16		
27.30	11.744	.5724	12.350	10.370	16	54.31	4.392	60.02	45.58	16		
27.40	13.269	.5935	13.860	11.930	16	75.36	7.411	89.23	63.82	14		
27.50	15.033	.7530	16.080	13.590	14	96.74	6.209	102.69	90.30	3		
27.60	16.397	.8129	17.280	15.680	3							
SIGMA	DELTA DH						ACC. POT.					
-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.80	13.217	.7962	13.226	12.100	2	13.360	.0905	13.460	13.332	2		
24.00	12.663	.4759	13.147	11.939	10	14.396	.3607	13.447	12.556	5		
24.20	12.510	.4204	13.070	11.731	10	15.041	.3453	13.430	12.459	10		
24.40	12.236	.4309	12.917	11.426	10	15.006	.3001	13.408	12.443	13		
24.60	12.106	.4309	12.917	11.426	10	12.881	.3452	13.375	12.158	16		
24.80	11.816	.4829	12.434	10.672	16	12.812	.3459	13.300	12.065	16		
25.00	11.581	.4401	12.217	10.553	16	12.721	.3421	13.209	11.962	16		
25.20	11.217	.4376	11.762	10.379	16	12.603	.3322	13.078	11.848	16		
25.40	10.749	.3367	11.242	10.218	16	12.455	.3142	12.892	11.724	16		
25.60	10.366	.2659	10.923	10.024	16	12.279	.2975	12.668	11.586	16		
25.80	10.063	.2638	10.656	9.748	16	12.080	.2833	12.442	11.423	16		
26.00	9.812	.2478	10.395	9.511	16	11.858	.2700	12.234	11.232	16		
26.20	9.518	.2258	9.965	9.191	16	11.602	.2550	11.979	11.007	16		
26.40	9.103	.2030	9.438	8.810	16	11.289	.2312	11.655	10.740	16		
26.60	8.357	.2095	8.809	7.904	16	10.839	.1982	11.154	10.376	16		
26.80	6.785	.1965	7.151	6.441	16	10.133	.1385	10.322	9.807	16		
27.00	4.817	.2870	5.348	4.192	16	9.668	.1051	9.792	9.410	16		
27.10	3.756	.2775	4.316	3.277	16	9.113	.0727	9.197	8.929	16		
27.20	2.519	.2497	3.073	2.200	16	8.436	.0409	8.483	8.333	16		
27.30	1.255	.2441	1.834	.997	16	7.611	.0202	7.637	7.573	16		
27.40	-0.270	.3128	-1.275	-0.710	14	6.569	.0499	6.650	6.501	14		
27.50	-2.053	.4876	-1.584	-3.005	14	5.365	.0662	5.414	5.290	3		
SIGMA	OXYGEN						SOUND					
-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0		
23.60	n/a	n/a	n/a	n/a	0	1498	n/a	n/a	n/a	0		
23.80	n/a	n/a	n/a	n/a	0	1496	.7	1496	1495	2		
24.00	n/a	n/a	n/a	n/a	0	1496	2.0	1498	1494	5		
24.20	n/a	n/a	n/a	n/a	0	1495	1.0	1498	1491	13		
24.40	n/a	n/a	n/a	n/a	0	1493	2.0	1495	1488	16		
24.60	n/a	n/a	n/a	n/a	0	1490	1.9	1492	1484	20		
24.80	n/a	n/a	n/a	n/a	0	1487	1.8	1489	1481	20		
25.00	n/a	n/a	n/a	n/a	0	1483	1.4	1486	1480	20		
25.20	n/a	n/a	n/a	n/a	0	1481	1.8	1484	1478	20		
25.40	n/a	n/a	n/a	n/a	0	1479	2.2	1483	1475	20		
25.60	n/a	n/a	n/a	n/a	0	1479	2.0	1482	1476	20		
25.80	n/a	n/a	n/a	n/a	0	1480	1.7	1482	1477	20		
26.00	n/a	n/a	n/a	n/a	0	1480	1.5	1485	1477	20		
26.20	n/a	n/a	n/a	n/a	0	1480	1.5	1483	1478	20		
26.40	n/a	n/a	n/a	n/a	0	1479	1.0	1481	1478	19		
26.60	n/a	n/a	n/a	n/a	0	1477	1.2	1479	1476	17		
26.80	n/a	n/a	n/a	n/a	0	1476	.8	1477	1475	16		
27.00	n/a	n/a	n/a	n/a	0	1477	.5	1478	1476	16		
27.10	n/a	n/a	n/a	n/a	0	1479	.5	1479	1478	16		
27.20	n/a	n/a	n/a	n/a	0	1480	.8	1481	1479	16		
27.30	n/a	n/a	n/a	n/a	0	1482	.7	1483	1481	14		
27.40	n/a	n/a	n/a	n/a	0	1485	.6	1485	1484	3		

STATION MP08 J U L Y 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	1	
23.80	15.14	n/a	n/a	n/a	1	32.194	.0697	32.264	32.132	4	
24.00	14.21	.281	14.47	13.95	4	32.203	.0660	32.348	32.189	6	
24.20	13.47	.271	13.81	13.16	6	32.265	.0518	32.449	32.276	11	
24.40	12.71	.267	13.21	12.30	11	32.342	.0603	32.512	32.330	12	
24.60	11.86	.326	12.40	11.32	12	32.395	.0734	32.599	32.339	12	
24.80	10.95	.384	11.72	10.33	12	32.442	.0714	32.647	32.392	12	
25.00	9.95	.351	10.61	9.45	12	32.479	.0684	32.682	32.425	12	
25.20	8.97	.349	9.71	8.45	12	32.521	.0631	32.745	32.493	12	
25.40	8.07	.331	8.77	7.49	12	32.583	.0946	32.889	32.559	12	
25.60	7.66	.526	8.22	6.40	12	33.011	.0914	33.119	32.826	12	
25.80	7.51	.505	8.07	6.48	12	33.242	.0932	33.372	33.102	12	
26.00	7.39	.505	8.10	6.61	12	33.473	.0894	33.589	33.331	12	
26.20	7.26	.502	7.92	6.46	12	33.696	.0735	33.794	33.588	12	
26.40	7.09	.418	7.64	6.47	12	33.869	.0527	33.929	33.793	12	
26.60	6.63	.312	6.98	6.17	12	33.944	.0454	34.005	33.857	12	
26.80	5.51	.294	5.91	4.93	12	34.069	.0274	34.108	34.033	10	
27.00	4.63	.192	4.89	4.38	10	34.149	.0223	34.174	34.114	10	
27.10	4.30	.164	4.49	4.03	10	34.236	.0196	34.255	34.197	10	
27.20	4.01	.144	4.15	3.71	10	34.317	.0124	34.333	34.301	10	
27.30	3.66	.101	3.79	3.53	10	34.396	.0092	34.407	34.382	8	
27.40	3.26	.078	3.36	3.15	8	34.468	.0098	34.479	34.456	8	
27.50	2.80	.078	2.91	2.68	7	34.542	.0076	34.544	34.540	2	
27.60	2.30	.028	2.32	2.28	2						

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	1	411.9	.25	392.8	392.3	4	
23.80	36	n/a	n/a	n/a	1	392.5	.25	373.8	373.2	6	
24.00	24	10.5	38	14	4	373.3	.18	354.6	354.1	11	
24.20	24	10.1	40	13	6	354.3	.16	335.6	335.1	12	
24.40	25	8.8	42	14	11	335.3	.14	316.6	316.1	12	
24.60	29	8.1	43	18	12	316.3	.17	297.6	297.0	12	
24.80	34	8.1	47	20	12	297.4	.20	278.9	278.1	12	
25.00	42	7.4	53	25	12	278.5	.28	260.3	259.2	12	
25.20	54	10.9	72	36	12	259.7	.27	241.4	240.5	12	
25.40	75	16.7	109	45	12	240.9	.26	222.5	221.6	12	
25.60	92	14.3	121	69	12	222.1	.25	203.5	202.9	12	
25.80	105	12.7	129	83	12	203.3	.25	184.9	184.2	12	
26.00	118	12.1	140	97	12	184.6	.28	166.4	165.5	12	
26.20	134	12.7	155	113	12	165.9	.49	148.0	147.0	12	
26.40	157	13.1	175	134	12	147.5	.49	130.1	128.6	12	
26.60	203	18.7	230	168	12	129.4	.45	112.2	110.9	10	
26.80	316	27.8	359	271	12	102.6	.45	103.1	101.9	10	
27.00	477	31.8	524	431	10	93.9	.40	94.3	93.4	10	
27.10	575	41.2	616	497	10	85.0	.25	85.4	84.6	10	
27.20	700	39.4	743	631	10	76.2	.21	76.4	75.9	10	
27.30	845	38.7	889	789	10	67.2	.18	67.4	66.9	7	
27.40	1027	38.6	1074	964	8	58.0	.00	58.0	58.0	2	
27.50	1274	48.2	1330	1198	7						
27.60	1587	11.3	1595	1579	2						

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	1	410.4	.72	391.7	390.0	4	
23.80	15.13	n/a	n/a	n/a	1	391.0	.45	372.1	371.3	6	
24.00	14.20	.278	14.46	13.95	4	352.3	1.47	353.7	349.2	11	
24.20	13.47	.270	13.81	13.16	6	333.1	1.96	344.6	328.3	12	
24.40	12.71	.267	13.21	12.30	11	314.1	1.86	315.5	309.6	12	
24.60	11.86	.324	12.39	11.32	12	295.0	1.66	296.6	292.0	12	
24.80	10.95	.383	11.71	10.34	12	276.9	.59	277.5	275.9	12	
25.00	9.95	.350	10.61	9.45	12	258.0	.57	258.5	256.7	12	
25.20	8.96	.350	9.70	8.44	12	239.0	.48	239.5	238.1	12	
25.40	8.07	.328	8.76	7.49	13	220.0	.51	220.5	218.9	12	
25.60	7.66	.526	8.21	6.39	12	201.2	.39	201.5	200.1	12	
25.80	7.50	.505	8.06	6.47	12	182.3	.23	182.4	181.7	12	
26.00	7.38	.505	8.09	6.60	12	163.2	.11	163.4	163.0	12	
26.20	7.25	.500	7.91	6.45	12	144.3	.07	144.4	144.2	12	
26.40	7.08	.415	7.62	6.46	12	125.3	.19	125.4	124.9	12	
26.60	6.61	.310	6.96	6.16	12	106.2	.14	106.3	105.9	10	
26.80	5.48	.291	5.88	4.91	12	96.7	.06	96.8	96.6	10	
27.00	4.59	.190	4.85	4.35	10	87.1	.08	87.2	87.0	10	
27.10	4.25	.166	4.46	3.99	10	77.6	.05	77.7	77.6	10	
27.20	3.95	.141	4.10	3.66	10	68.0	.09	68.1	67.9	10	
27.30	3.59	.103	3.73	3.46	8	58.4	.14	58.6	58.2	7	
27.40	3.19	.083	3.29	3.07	8	48.7	.01	48.7	48.7	2	
27.50	2.71	.080	2.82	2.59	7						
27.60	2.19	.028	2.21	2.17	2						

STATION MP08 J U L Y 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	1.540	.4695	1.620	.560	4	.14	.128	.32	.04	4	
24.00	.980	.4480	1.690	.480	6	.14	.119	.35	.03	6	
24.20	.958	.4480	1.740	.510	11	.14	.099	.37	.04	11	
24.40	.959	.3780	1.740	.650	12	.17	.103	.39	.06	12	
24.60	1.098	.3498	1.790	.720	12	.22	.111	.41	.07	12	
24.80	1.252	.3422	1.840	.870	12	.31	.115	.51	.11	12	
25.00	1.490	.3198	2.010	1.010	12	.51	.184	.83	.15	12	
25.20	1.861	.3967	2.390	1.430	12	.89	.376	1.72	.30	12	
25.40	2.410	.5277	3.310	2.440	12	1.25	.395	2.09	.70	12	
25.60	2.842	.4664	3.620	2.120	12	1.57	.393	2.33	.94	12	
25.80	3.159	.4322	3.810	2.750	12	1.87	.403	2.66	1.23	12	
26.00	3.422	.4157	4.050	3.060	12	2.26	.447	3.09	1.56	12	
26.20	3.730	.4207	4.330	3.430	12	2.87	.489	3.56	2.04	12	
26.40	4.136	.4249	4.810	4.030	12	4.20	.708	5.33	2.89	12	
26.60	4.853	.4669	5.670	4.400	12	8.37	1.396	10.47	6.06	12	
26.80	6.417	.5586	7.100	5.440	10	16.39	2.188	19.57	13.16	10	
27.00	8.418	.5856	9.080	7.420	10	22.13	3.067	25.45	16.98	10	
27.10	9.471	.6858	10.300	8.400	10	30.22	3.510	34.02	24.58	10	
27.20	10.710	.6712	11.460	9.620	10	40.58	3.958	45.08	35.00	10	
27.30	12.015	.6480	12.780	10.930	10	54.81	4.508	59.34	47.78	8	
27.40	13.451	.6654	14.180	12.410	8	75.99	6.202	82.15	66.37	7	
27.50	15.253	.7590	15.940	14.000	7	101.65	1.379	102.63	100.68	2	
27.60	16.590	.2545	16.770	16.410	2						
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
-T.											
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	12.220	.4320	12.923	12.143	3	13.730	.0966	13.659	13.457	3	
24.00	12.640	.3066	12.753	12.074	4	13.557	.1533	13.583	13.225	4	
24.20	12.508	.2561	12.710	11.891	9	13.435	.3746	13.614	12.511	9	
24.40	12.333	.2844	12.526	11.640	9	13.153	.3643	13.559	12.468	9	
24.60	12.198	.3175	12.408	11.478	9	13.050	.3561	13.497	12.417	9	
24.80	12.048	.3223	12.093	11.168	9	12.985	.3505	13.425	12.353	9	
25.00	11.787	.3560	11.928	10.845	9	12.896	.3430	13.324	12.269	9	
25.20	11.382	.3893	11.513	10.313	9	12.775	.3267	13.155	12.159	9	
25.40	10.793	.2921	10.726	9.877	9	12.612	.3084	12.934	12.020	9	
25.60	10.328	.2437	10.340	9.598	9	12.420	.2921	12.697	11.861	9	
25.80	10.002	.2614	10.128	9.410	9	12.204	.2792	12.462	11.683	9	
26.00	9.761	.2829	9.936	9.020	9	11.966	.2699	12.238	11.481	9	
26.20	9.466	.2399	9.307	8.530	9	11.695	.2620	11.987	11.248	9	
26.40	9.044	.8327	8.581	7.925	9	11.366	.2461	11.640	10.970	9	
26.60	8.327	.2095	7.076	6.423	9	10.904	.2116	11.128	10.563	9	
26.80	6.719	.2221	5.101	4.408	9	10.177	.1567	10.329	9.905	9	
27.00	4.771	.3247	4.360	3.404	9	9.704	.1255	9.815	9.478	9	
27.10	3.711	.3063	3.049	2.167	9	9.144	.0858	9.225	8.998	9	
27.20	2.470	.2898	1.619	.846	9	8.452	.0437	8.504	8.379	9	
27.30	1.155	.3015	.200	-.661	8	7.612	.0185	7.636	7.586	8	
27.40	-0.284	.3756	-1.487	-2.508	7	6.573	.0365	6.625	6.533	7	
27.50	-2.072	.0778	-3.892	-4.002	2	5.364	.0191	5.378	5.351	2	
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
-T.											
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	1505	.2/0	1503	1501	4	
23.80	n/a	n/a	n/a	n/a	0	1502	1.2	1500	1498	6	
24.00	6.46	.304	6.74	6.31	2	1499	1.0	1499	1495	11	
24.20	6.61	.361	6.85	6.40	2	1494	1.2	1496	1492	12	
24.40	6.52	.318	6.95	6.50	2	1491	1.4	1494	1489	12	
24.60	6.63	.318	6.85	6.40	2	1488	1.3	1490	1486	12	
24.80	6.72	.325	7.02	6.56	2	1484	1.5	1487	1482	12	
25.00	6.79	.339	6.68	6.53	2	1481	1.7	1484	1478	12	
25.20	6.82	.346	6.06	5.58	2	1480	2.2	1482	1475	12	
25.40	6.61	.346	5.27	4.78	2	1480	2.1	1483	1476	12	
25.60	5.93	.198	4.48	4.20	2	1480	2.2	1483	1477	12	
26.00	4.34	.021	3.66	3.63	2	1480	1.9	1483	1478	12	
26.20	3.65	.191	2.13	2.86	2	1479	1.5	1481	1477	12	
26.40	3.00	.205	2.64	2.35	2	1477	1.6	1479	1474	12	
26.60	2.50	.148	1.89	1.68	2	1476	1.3	1478	1474	12	
26.80	1.78	.057	.92	.84	2	1477	1.8	1478	1475	10	
27.00	.88	.057	.68	.48	2	1477	1.7	1478	1476	10	
27.10	.58	.141	.65	.35	2	1478	.7	1479	1477	10	
27.20	.49	.226	.57	.24	2	1480	.5	1480	1479	8	
27.30	.40	.233	.53	.30	2	1482	.7	1483	1481	7	
27.40	.41	.163	.74	.43	2	1485	.0	1485	1485	2	
27.50	.59	.219	n/a	n/a	1						
27.60	.90	n/a	n/a	n/a	1						

STATION MP08 AUGUST 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	15.89	1.018	16.84	13.83	8	31.912	.2622	32.166	31.398	8	
23.60	15.36	.715	16.36	13.30	17	32.013	.1834	32.296	31.527	17	
23.80	14.64	.737	15.93	12.84	20	32.073	.1887	32.416	31.638	20	
24.00	13.96	.731	15.08	12.43	24	32.152	.1933	32.449	31.736	24	
24.20	13.09	.705	14.14	11.63	24	32.199	.1800	32.472	31.840	26	
24.40	12.21	.675	13.25	10.95	26	32.240	.1688	32.493	31.929	26	
24.60	11.57	.604	12.26	10.08	26	32.296	.1406	32.512	31.997	26	
24.80	10.52	.500	11.40	9.54	26	32.356	.1097	32.530	32.118	26	
25.00	9.67	.559	10.29	9.09	26	32.417	.0769	32.538	32.284	26	
25.20	8.81	.518	9.47	8.32	26	32.494	.0663	32.638	32.386	26	
25.40	8.12	.426	8.85	7.35	26	32.613	.0807	32.767	32.465	26	
25.60	7.72	.496	8.50	6.85	26	32.794	.0912	32.933	32.633	26	
25.80	7.55	.425	8.31	6.88	26	33.011	.0775	33.152	32.894	26	
26.00	7.45	.337	8.11	6.95	26	33.254	.0606	33.371	33.168	26	
26.20	7.38	.295	7.95	6.85	26	33.492	.0524	33.594	33.398	26	
26.40	7.22	.261	7.75	6.77	26	33.718	.0464	33.813	33.638	26	
26.60	6.72	.204	7.10	6.20	26	33.884	.0351	33.950	33.797	26	
26.80	5.60	.200	5.96	5.12	22	33.959	.0306	34.012	33.885	26	
27.00	4.64	.139	4.90	4.36	22	34.069	.0194	34.107	34.031	22	
27.10	4.32	.097	4.54	4.17	22	34.152	.0135	34.184	34.130	22	
27.20	4.01	.084	4.20	3.86	22	34.236	.0115	34.262	34.216	22	
27.30	3.68	.074	3.81	3.50	22	34.320	.0103	34.357	34.299	22	
27.40	3.29	.073	3.42	3.16	22	34.399	.0086	34.414	34.385	22	
27.50	2.83	.077	2.99	2.72	19	34.472	.0064	34.489	34.462	19	
27.60	2.33	.102	2.54	2.22	7	34.545	.0074	34.563	34.536	7	

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	12	6.1	25	6	8	449.5	.21	449.9	449.2	8	
23.60	17	6.1	30	7	17	430.5	.20	430.9	430.1	17	
23.80	22	8.7	45	11	20	411.5	.26	412.1	411.2	20	
24.00	26	8.4	47	12	24	392.5	.20	393.0	392.2	24	
24.20	29	7.7	49	18	26	373.4	.19	373.9	373.1	26	
24.40	33	7.8	55	22	26	354.4	.19	354.9	354.1	26	
24.60	37	7.8	59	25	26	335.4	.20	335.9	334.9	26	
24.80	42	7.3	64	30	26	316.4	.21	317.0	315.9	26	
25.00	49	8.5	73	36	26	297.5	.21	298.0	297.0	26	
25.20	59	11.2	84	44	26	278.6	.21	279.0	278.2	26	
25.40	74	12.2	99	54	26	259.7	.24	260.2	259.4	26	
25.60	89	11.0	117	66	26	240.9	.22	241.4	240.5	26	
25.80	102	10.8	129	80	26	222.1	.21	222.6	221.7	26	
26.00	114	10.6	138	93	26	203.2	.21	203.8	202.9	26	
26.20	129	11.5	152	109	26	184.5	.22	185.0	184.1	26	
26.40	153	13.1	183	126	26	165.9	.23	166.5	165.4	26	
26.60	202	19.7	264	169	26	147.5	.33	148.4	147.0	26	
26.80	317	27.7	399	265	26	129.5	.42	130.6	128.9	26	
27.00	481	33.4	574	425	22	111.5	.39	112.6	110.9	22	
27.10	583	35.3	676	529	22	102.7	.36	103.5	102.0	22	
27.20	700	34.8	784	644	22	93.9	.28	94.5	93.4	22	
27.30	844	34.7	923	797	22	85.1	.25	85.5	84.7	22	
27.40	1026	40.1	1089	951	22	76.2	.20	76.6	76.0	22	
27.50	1261	47.4	1350	1171	19	67.2	.22	67.6	66.8	19	
27.60	1593	92.9	1719	1417	7	58.1	.19	58.4	57.8	7	

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	15.89	1.017	16.84	13.83	8	447.2	2.13	449.0	442.8	8	
23.60	15.36	.715	16.36	13.30	17	428.5	1.81	430.0	423.1	17	
23.80	14.64	.737	15.92	12.84	20	409.5	1.34	410.7	406.5	20	
24.00	13.96	.731	15.08	12.42	24	390.1	1.70	391.8	386.2	24	
24.20	13.09	.704	14.13	11.63	26	370.1	2.44	372.6	363.6	26	
24.40	12.20	.674	13.24	10.95	26	350.8	3.07	353.7	343.9	26	
24.60	11.36	.604	12.26	10.08	26	331.9	2.96	334.7	324.4	26	
24.80	10.52	.498	11.39	9.54	26	295.3	2.31	315.5	305.6	26	
25.00	9.66	.358	10.20	9.09	26	276.5	1.76	296.6	289.0	26	
25.20	8.80	.317	9.47	8.31	26	257.9	1.24	277.5	273.0	26	
25.40	8.11	.424	8.84	7.34	26	238.9	.58	258.5	256.7	26	
25.60	7.71	.496	8.49	6.84	26	220.0	.51	239.5	238.0	26	
25.80	7.51	.424	8.30	6.88	26	201.0	.39	220.4	219.0	26	
26.00	7.44	.336	8.10	6.94	26	182.2	.37	201.4	200.3	26	
26.20	7.36	.295	7.94	6.84	26	163.3	.20	182.4	181.8	26	
26.40	7.20	.262	7.74	6.75	26	144.3	.10	163.4	163.1	26	
26.60	6.70	.204	7.08	6.18	26	144.3	.04	144.4	144.3	26	
26.80	5.58	.198	5.92	5.10	26	125.1	.18	125.3	124.7	26	
27.00	4.69	.136	4.87	4.33	22	106.2	.10	106.3	106.0	22	
27.10	4.28	.096	4.50	4.12	22	96.6	.07	96.7	96.5	22	
27.20	3.96	.084	4.15	3.80	22	87.1	.05	87.2	87.1	22	
27.30	3.62	.074	3.75	3.44	22	77.6	.04	77.7	77.6	22	
27.40	3.21	.075	3.35	3.09	22	68.0	.08	68.1	67.9	22	
27.50	2.74	.078	2.91	2.63	19	58.4	.13	58.6	58.2	19	
27.60	2.22	.109	2.44	2.10	7	48.7	.16	49.0	48.5	7	

STATION MP08 AUGUST 1956 to 1990

DELTA D					POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	.560	.2778	1.150	.300	8	.04	.046	.15	.01	8
23.60	.754	.2708	1.300	.320	17	.07	.053	.20	.01	17
23.80	.958	.3685	1.920	.490	20	.12	.103	.44	.03	20
24.00	1.104	.3595	2.000	.480	24	.16	.111	.48	.03	24
24.20	1.231	.3271	2.080	.780	26	.19	.109	.52	.07	26
24.40	1.365	.3298	2.290	.900	26	.24	.122	.64	.10	26
24.60	1.507	.3247	2.420	1.040	26	.29	.128	.71	.13	26
24.80	1.680	.3077	2.600	1.260	26	.36	.136	.82	.18	26
25.00	1.893	.3446	2.860	1.420	26	.46	.172	1.01	.24	26
25.20	2.185	.4246	3.190	1.610	26	.63	.246	1.27	.34	26
25.40	2.573	.4493	3.590	1.860	26	.90	.312	1.65	.48	26
25.60	2.961	.4099	4.060	2.150	26	1.22	.323	2.17	.66	26
25.80	3.260	.4006	4.350	2.470	26	1.51	.345	2.53	.90	26
26.00	3.511	.3803	4.530	2.770	26	1.79	.355	2.78	1.16	26
26.20	3.810	.3807	4.750	3.080	26	2.16	.396	3.09	1.48	26
26.40	4.234	.3885	5.160	3.380	26	2.78	.473	3.78	1.84	26
26.60	5.001	.4353	6.000	4.030	26	4.19	.756	6.61	2.83	26
26.80	6.582	.5121	7.780	5.610	26	8.41	1.410	12.60	5.99	26
27.00	8.533	.5505	9.620	7.330	22	16.52	2.320	23.14	12.68	22
27.10	9.631	.5690	10.730	8.430	22	22.52	2.800	30.23	18.09	22
27.20	10.797	.5674	11.800	9.570	22	30.20	3.169	38.31	24.95	22
27.30	12.090	.5731	12.820	10.940	22	40.44	3.612	47.37	35.09	22
27.40	13.575	.6168	14.410	12.370	22	54.72	4.515	63.24	47.22	22
27.50	15.243	.6478	16.170	14.170	19	74.63	5.749	84.78	64.67	19
27.60	17.264	.9232	18.500	15.710	7	104.84	11.189	121.46	85.22	7

DELTA DH					ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	12.727	.2307	13.010	12.459	7	13.311	.2877	13.725	12.869	7
23.60	12.686	.2818	13.295	12.265	15	13.421	.2705	13.740	12.849	15
23.80	12.540	.3024	13.128	12.068	16	13.384	.2506	13.675	12.818	16
24.00	12.299	.2905	12.959	11.617	20	13.257	.2820	13.614	12.759	20
24.20	12.126	.3226	12.844	11.500	22	13.170	.3060	13.551	12.480	22
24.40	11.998	.3174	12.720	11.405	22	13.050	.3021	13.499	12.429	22
24.60	11.858	.3091	12.579	11.322	22	12.978	.2983	13.453	12.374	22
24.80	11.682	.3006	12.348	11.149	22	12.895	.2951	13.397	12.309	22
25.00	11.466	.3041	12.172	10.937	22	12.795	.2853	13.328	12.234	22
25.20	11.171	.3175	12.008	10.695	22	12.672	.2751	13.249	12.150	22
25.40	10.770	.3101	11.622	10.274	22	12.519	.2659	13.027	11.942	22
25.60	10.388	.2673	11.139	10.068	22	12.341	.2582	12.869	11.805	22
25.80	10.097	.2752	10.885	9.801	22	12.140	.2532	12.690	11.642	22
26.00	9.851	.2952	10.607	9.416	22	11.916	.2509	12.483	11.453	22
26.20	9.552	.2998	10.242	8.988	22	11.657	.2467	12.227	11.229	22
26.40	9.131	.2570	9.785	8.611	22	11.339	.2326	11.901	10.968	22
26.60	8.346	.2287	8.731	7.624	22	10.881	.1991	11.404	10.573	22
26.80	6.758	.2409	7.145	5.933	22	10.166	.1420	10.518	9.938	22
27.00	4.763	.2644	5.182	3.998	22	9.697	.1135	9.951	9.516	22
27.10	3.664	.2780	4.077	2.894	22	9.130	.0787	9.288	9.010	22
27.20	2.499	.2715	2.938	1.817	22	8.448	.0475	8.537	8.374	22
27.30	1.207	.2717	1.567	1.572	22	7.617	.0158	7.642	7.595	22
27.40	-0.277	.3150	-0.303	-0.785	22	6.584	.0351	6.650	6.528	22
27.50	-1.979	.3685	-1.290	-2.680	19	5.312	.0957	5.444	5.155	7
27.60	-4.057	.6652	-2.840	-5.004	7					

OXYGEN					SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	5.83	n/a	n/a	n/a	1	1506	3.6	1510	1499	8
23.60	6.00	.049	6.04	5.97	1	1505	2.5	1509	1498	17
23.80	6.19	.100	6.29	6.09	1	1503	2.8	1508	1496	20
24.00	6.29	.110	6.42	6.22	1	1501	2.7	1505	1495	24
24.20	6.38	.245	6.62	6.13	1	1498	2.6	1502	1493	26
24.40	6.44	.402	6.79	6.00	1	1495	2.5	1499	1490	26
24.60	6.41	.451	6.69	5.89	1	1492	2.4	1496	1487	26
24.80	6.39	.516	6.76	5.71	1	1490	1.9	1493	1486	26
25.00	6.31	.526	6.69	5.71	1	1487	1.4	1489	1484	26
25.20	6.14	.307	6.43	5.82	1	1484	1.3	1486	1482	26
25.40	5.89	.180	6.06	5.70	1	1482	1.9	1484	1478	26
25.60	5.47	.140	5.57	5.31	1	1480	2.1	1484	1477	26
25.80	4.98	.050	5.03	4.93	1	1480	1.9	1483	1477	26
26.00	4.48	.146	4.58	4.31	1	1481	1.2	1483	1478	26
26.20	4.10	.258	4.27	3.80	1	1481	1.2	1483	1479	26
26.40	3.89	.308	4.23	3.63	1	1481	1.2	1483	1479	26
26.60	3.66	.477	4.16	3.21	1	1480	1.0	1482	1478	26
26.80	2.12	.579	2.73	1.58	1	1477	1.1	1480	1475	22
27.00	1.10	.455	1.60	.50	1	1477	.8	1478	1475	22
27.10	.74	.312	1.09	.50	1	1478	.7	1479	1476	22
27.20	.54	.082	.63	.47	1	1477	.6	1478	1475	22
27.30	.37	.075	.46	.33	1	1479	.5	1479	1478	22
27.40	.39	.030	.42	.36	1	1480	.6	1481	1479	22
27.50	.59	.007	.60	.59	1	1482	.6	1483	1481	19
27.60	1.11	.049	1.14	1.07	1	1486	1.0	1487	1484	7

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TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	15.76	.297	15.97	15.55	2	31.892	.1498	31.998	31.786	2	
23.60	15.53	.421	15.89	15.08	4	32.070	.0964	32.154	31.965	4	
23.80	14.73	.401	15.52	14.17	12	32.096	.0994	32.302	31.922	12	
24.00	14.00	.473	15.11	13.28	19	32.172	.1203	32.440	31.965	19	
24.20	13.22	.527	14.53	12.39	22	32.242	.1253	32.544	32.030	22	
24.40	12.40	.507	13.77	11.61	22	32.298	.1197	32.603	32.085	22	
24.60	11.57	.467	12.80	10.86	22	32.354	.1042	32.615	32.163	22	
24.80	10.74	.447	11.83	10.00	22	32.410	.0924	32.631	32.276	22	
25.00	9.89	.419	10.84	9.20	22	32.468	.0823	32.656	32.328	22	
25.20	9.01	.416	9.87	8.21	22	32.534	.0792	32.698	32.374	22	
25.40	8.15	.419	8.96	7.38	22	32.618	.0819	32.767	32.470	22	
25.60	7.59	.487	8.22	6.71	22	32.770	.0886	32.889	32.609	22	
25.80	7.39	.428	7.98	6.70	22	32.988	.0757	33.090	32.864	22	
26.00	7.30	.288	7.74	6.62	22	33.226	.0529	33.309	33.105	22	
26.20	7.28	.311	7.75	6.55	22	33.475	.0545	33.558	33.348	22	
26.40	7.17	.337	7.59	6.42	22	33.709	.0587	33.783	33.580	22	
26.60	6.67	.237	7.18	6.17	22	33.877	.0404	33.964	33.793	22	
26.80	5.56	.238	5.90	5.13	20	33.953	.0362	34.005	33.889	20	
27.00	4.64	.190	5.05	4.16	19	34.069	.0265	34.128	34.003	19	
27.10	4.33	.162	4.66	3.97	19	34.153	.0218	34.198	34.105	19	
27.20	4.01	.108	4.26	3.83	19	34.246	.0146	34.269	34.213	19	
27.30	3.70	.078	3.83	3.59	18	34.323	.0109	34.340	34.308	18	
27.40	3.31	.067	3.42	3.18	18	34.402	.0070	34.413	34.385	18	
27.50	2.81	.082	2.98	2.70	16	34.469	.0085	34.487	34.458	16	
27.60	2.30	.062	2.41	2.22	7	34.542	.0047	34.550	34.534	7	
DEPTH						SVA					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	13	.7	13	12	2	449.4	.16	449.5	449.3	2	
23.60	21	4.0	24	15	4	430.6	.23	430.7	430.2	4	
23.80	24	6.1	31	12	12	411.5	.20	411.8	411.1	12	
24.00	27	6.6	39	14	19	392.4	.20	392.8	392.0	19	
24.20	29	8.0	44	6	22	373.3	.25	373.9	373.0	22	
24.40	32	6.7	47	20	22	354.5	.26	354.8	353.8	22	
24.60	35	6.6	50	23	22	335.2	.26	335.8	334.7	22	
24.80	39	6.9	55	25	22	316.3	.21	316.7	315.9	22	
25.00	44	7.0	61	28	22	297.4	.18	297.7	297.0	22	
25.20	52	8.0	71	34	22	278.5	.17	278.8	278.1	22	
25.40	65	12.8	93	45	22	259.6	.21	260.1	259.3	22	
25.60	83	14.7	107	56	22	240.8	.21	241.2	240.5	22	
25.80	98	15.5	123	65	22	222.0	.21	222.4	221.6	22	
26.00	111	15.8	136	74	22	203.2	.22	203.7	202.7	22	
26.20	126	15.7	156	91	22	184.4	.22	185.0	184.0	22	
26.40	149	15.6	186	120	22	165.8	.25	166.5	165.4	22	
26.60	198	18.6	235	158	22	147.4	.30	148.0	146.8	22	
26.80	313	26.6	357	235	20	129.4	.35	130.1	128.6	20	
27.00	478	27.1	514	402	19	111.5	.35	112.1	110.7	19	
27.10	580	24.8	620	523	19	102.7	.31	103.3	102.0	19	
27.20	701	28.0	759	648	19	93.9	.30	94.5	93.1	19	
27.30	844	33.6	895	770	18	85.1	.26	85.6	84.4	18	
27.40	1026	31.0	1067	974	18	76.3	.25	76.7	75.6	18	
27.50	1277	44.4	1341	1184	16	67.2	.21	67.6	66.9	16	
27.60	1620	76.1	1721	1488	7	58.2	.28	58.6	57.7	7	
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
THETA						SVA (THETA)					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	15.76	.297	15.97	15.55	2	445.5	4.67	448.8	442.2	2	
23.60	15.52	.422	15.89	15.07	4	427.6	3.33	429.6	422.6	4	
23.80	14.73	.402	15.52	14.17	12	409.4	1.81	410.9	405.4	12	
24.00	14.00	.473	15.11	13.28	19	389.3	2.54	391.9	384.4	19	
24.20	13.21	.528	14.53	12.38	22	369.2	3.34	372.7	361.7	22	
24.40	12.40	.507	13.77	11.60	22	350.0	3.84	353.5	341.1	22	
24.60	11.56	.469	12.80	10.85	22	331.0	2.28	334.5	322.6	22	
24.80	10.74	.447	11.82	10.00	22	312.9	2.67	315.6	306.1	22	
25.00	9.88	.419	10.84	9.20	22	294.9	1.68	296.6	290.7	22	
25.20	9.00	.417	9.87	8.21	22	276.6	1.16	277.5	273.7	22	
25.40	8.18	.418	8.95	7.38	22	258.0	.70	258.5	256.2	22	
25.60	7.58	.486	8.21	6.70	22	239.0	.43	239.5	237.9	22	
25.80	7.38	.428	7.98	6.70	22	220.0	.47	220.5	218.9	22	
26.00	7.29	.290	7.73	6.60	22	201.1	.37	201.5	200.4	22	
26.20	7.27	.310	7.74	6.54	22	182.2	.25	182.4	181.7	22	
26.40	7.15	.335	7.57	6.41	22	163.3	.12	163.4	163.0	22	
26.60	6.65	.237	7.16	6.15	22	144.3	.04	144.4	144.3	22	
26.80	5.54	.237	5.87	5.10	20	125.2	.18	125.3	124.7	20	
27.00	4.60	.189	5.01	4.12	19	106.2	.08	106.3	106.0	19	
27.10	4.28	.161	4.61	3.93	19	96.7	.05	96.8	96.6	19	
27.20	3.95	.107	4.20	3.79	18	87.2	.05	87.2	87.1	18	
27.30	3.64	.080	3.77	3.52	18	77.6	.05	77.7	77.5	18	
27.40	3.24	.068	3.54	3.11	18	68.0	.08	68.1	67.9	18	
27.50	2.72	.084	2.89	2.60	16	58.4	.11	58.6	58.2	16	
27.60	2.19	.068	2.31	2.10	7	48.7	.19	49.0	48.4	7	

STATION MP08 S E P T E M B E R 1956 to 1990

SIGMA -T.	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	.590	.0283	.610	.570	2	.04	.000	.04	.04	2
23.60	.927	.1500	1.060	.720	4	.10	.032	.13	.06	4
23.80	1.012	.2602	1.330	.530	12	.13	.063	.21	.03	12
24.00	1.130	.2616	1.550	.580	19	.16	.071	.31	.04	19
24.20	1.204	.3267	1.730	.210	22	.19	.088	.39	.01	22
24.40	1.317	.2688	1.860	.780	22	.22	.091	.45	.08	22
24.60	1.416	.2632	1.950	.860	22	.26	.096	.49	.10	22
24.80	1.532	.2666	2.100	.930	22	.30	.104	.57	.12	22
25.00	1.686	.2695	2.300	1.020	22	.37	.119	.70	.14	22
25.20	1.910	.3118	2.590	1.170	22	.48	.161	.89	.19	22
25.40	2.274	.4112	3.090	1.470	22	.71	.265	1.33	.31	22
25.60	2.715	.4468	3.520	1.740	22	1.05	.350	1.73	.45	22
25.80	3.063	.4530	3.900	1.960	22	1.37	.404	2.18	.59	22
26.00	3.345	.4614	4.160	2.160	22	1.68	.453	2.53	.73	22
26.20	3.650	.4616	4.560	2.490	22	2.05	.508	3.13	1.01	22
26.40	4.040	.4576	5.090	2.990	22	2.59	.572	4.05	1.55	22
26.60	4.809	.4739	5.860	3.990	22	3.96	.738	5.71	2.64	22
26.80	6.406	.5592	7.260	5.060	26	8.15	1.303	10.33	4.74	20
27.00	8.405	.5768	9.440	7.070	19	16.23	1.892	19.24	11.26	19
27.10	9.505	.5586	10.440	8.370	19	22.20	2.075	25.52	17.47	19
27.20	10.710	.5916	11.840	9.590	19	22.20	2.621	35.28	24.83	19
27.30	12.001	.6514	13.160	10.690	18	40.40	3.432	45.91	32.75	18
27.40	13.483	.6012	14.440	12.390	18	54.63	.620	60.00	48.06	18
27.50	15.355	.6098	16.220	14.360	16	76.30	5.230	83.64	66.25	16
27.60	17.523	.6975	18.340	16.450	7	108.73	9.261	121.75	92.72	7

SIGMA -T.	DELTA DH					ACC. POT.				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	12.673	.2248	12.832	12.514	2	13.244	.2121	13.394	13.094	2
23.60	12.415	.1115	12.599	12.262	4	13.301	.1957	13.533	13.067	4
23.80	12.165	.2550	12.472	11.569	11	13.109	.3582	13.598	12.459	11
24.00	12.161	.3216	12.767	11.450	15	13.185	.3995	13.969	12.415	15
24.20	12.035	.2306	12.311	11.368	18	13.097	.3963	13.891	12.366	18
24.40	11.914	.2297	12.238	11.296	18	13.039	.3851	13.803	12.313	18
24.60	11.814	.2326	12.169	11.222	18	12.976	.3745	13.710	12.256	18
24.80	11.703	.2327	12.064	11.144	18	12.907	.3640	13.610	12.195	18
25.00	11.543	.2147	11.809	11.048	18	12.831	.3531	13.499	12.130	18
25.20	11.312	.2304	11.605	10.782	18	12.743	.3412	13.375	12.055	18
25.40	10.924	.2595	11.307	10.376	18	12.634	.3256	13.227	11.957	18
25.60	10.467	.2535	10.904	10.061	18	12.493	.3062	13.043	11.830	18
25.80	10.112	.2343	10.568	9.697	18	12.320	.2851	12.825	11.677	18
26.00	9.839	.2496	10.503	9.414	18	12.121	.2645	12.582	11.501	18
26.20	9.541	.2603	10.664	9.147	18	11.897	.2448	12.310	11.301	18
26.40	9.154	.2413	9.634	8.760	18	11.641	.2283	11.997	11.066	18
26.60	8.386	.1614	8.591	8.032	18	11.328	.2085	11.683	10.792	18
26.80	6.794	.2094	7.411	6.475	18	10.877	.1695	11.152	10.451	18
27.00	4.790	.2173	5.403	4.533	18	10.169	.1194	10.381	9.883	18
27.10	3.696	.1891	4.094	3.421	18	9.700	.0963	9.884	9.475	18
27.20	2.492	.2172	2.870	2.042	18	9.136	.0758	9.274	8.955	18
27.30	1.204	.2618	1.781	8.06	18	8.457	.0468	8.534	8.335	18
27.40	-0.277	.2429	-0.125	-0.603	16	7.626	.0217	7.660	7.563	18
27.50	-2.098	.3438	-1.397	-2.587	16	6.578	.0336	6.634	6.524	16
27.60	-4.258	.5399	-3.324	-5.007	7	5.273	.0652	5.362	5.191	7

SIGMA -T.	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	n/a	n/a	n/a	n/a	0	1506	1.4	1507	1505	2
23.60	n/a	n/a	n/a	n/a	0	1506	1.5	1507	1504	4
23.80	6.08	.092	6.14	6.01	2	1503	1.4	1506	1501	12
24.00	5.58	.903	6.19	4.54	2	1501	1.7	1505	1498	19
24.20	5.51	1.050	6.24	4.31	2	1499	1.9	1503	1495	22
24.40	5.46	1.187	6.29	4.10	2	1496	1.9	1501	1493	22
24.60	5.40	1.319	6.39	3.89	2	1493	1.9	1498	1490	22
24.80	5.36	1.449	6.59	3.70	2	1490	1.7	1494	1488	22
25.00	5.34	1.597	6.62	5.52	2	1487	1.7	1491	1485	22
25.20	5.32	1.773	6.62	3.30	2	1485	1.7	1488	1481	22
25.40	5.23	1.880	6.84	0.07	2	1482	1.7	1485	1478	22
25.60	4.79	1.682	5.84	0.85	2	1480	2.0	1482	1476	22
25.80	4.39	1.029	5.29	0.27	2	1480	1.7	1482	1477	22
26.00	4.22	6.17	4.65	5.51	2	1480	1.2	1482	1477	22
26.20	3.81	5.69	4.28	1.18	2	1480	1.4	1482	1478	22
26.40	3.69	6.49	3.84	2.66	2	1480	1.4	1482	1478	22
26.60	2.88	9.22	3.93	2.20	2	1479	1.0	1481	1477	22
26.80	1.99	3.54	2.24	1.74	2	1477	1.1	1479	1475	20
27.00	0.99	0.00	0.80	0.80	2	1476	1.1	1478	1474	19
27.10	0.55	0.078	0.41	0.40	2	1477	0.8	1478	1475	19
27.20	0.41	0.07	0.41	0.40	2	1478	0.8	1479	1476	19
27.30	0.38	0.35	0.40	0.35	2	1479	0.7	1480	1477	18
27.40	0.39	0.42	0.42	0.36	2	1480	0.5	1481	1479	18
27.50	0.56	0.49	0.60	0.53	2	1482	0.6	1483	1481	16
27.60	1.04	1.77	1.17	0.92	2	1486	1.0	1487	1484	7

STATION MP08 OCTOBER 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	32.128	.1274	32.247	31.994	0	
23.60	n/a	n/a	n/a	n/a	0	32.187	.0976	32.278	32.051	4	
23.80	n/a	n/a	n/a	n/a	0	32.279	.0740	32.341	32.137	6	
24.00	13.95	.471	14.40	13.46	4	32.349	.1058	32.538	32.190	3	
24.20	13.17	.396	13.55	12.63	6	32.382	.1197	32.582	32.200	6	
24.40	12.42	.316	12.64	11.81	6	32.442	.1092	32.601	32.209	4	
24.60	11.59	.473	12.53	11.03	6	32.525	.0717	32.619	32.364	3	
24.80	10.57	.539	11.64	9.86	6	32.610	.0525	32.695	32.516	6	
25.00	9.69	.485	10.49	8.72	6	32.768	.0645	32.839	32.665	4	
25.20	8.91	.339	9.41	8.17	6	32.989	.0635	33.064	32.880	3	
25.40	8.11	.238	8.37	7.64	6	33.236	.0585	33.315	33.131	4	
25.60	7.59	.350	7.97	7.04	6	33.488	.0526	33.553	33.398	3	
25.80	7.34	.344	7.84	6.80	6	33.722	.0328	33.776	33.667	4	
26.00	7.21	.221	7.77	6.76	6	33.903	.0189	33.923	33.862	3	
26.20	7.25	.288	7.73	6.86	6	33.991	.0302	34.040	33.933	4	
26.40	7.83	.182	7.55	6.93	6	34.089	.0134	34.103	34.070	3	
26.60	6.83	.110	6.95	6.59	6	34.164	.0261	34.214	34.130	4	
26.80	5.81	.196	6.13	5.43	6	34.246	.0102	34.266	34.229	3	
27.00	4.77	.093	4.88	4.64	6	34.329	.0087	34.341	34.317	4	
27.10	4.41	.194	4.78	4.16	6	34.405	.0124	34.430	34.388	3	
27.20	4.09	.081	4.23	3.96	6	34.471	.0099	34.495	34.459	4	
27.30	3.75	.061	3.84	3.66	6	34.540	.0024	34.544	34.535	4	
27.40	3.34	.110	3.56	3.21	6						
27.50	2.83	.100	3.05	2.73	6						
27.60	2.28	.042	2.32	2.23	4						

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	392.4	.00	392.5	392.4	0	
23.60	n/a	n/a	n/a	n/a	0	373.4	.09	373.5	373.4	4	
23.80	n/a	n/a	n/a	n/a	0	354.4	.13	354.6	354.3	6	
24.00	22.1	.25	24	19	4	335.4	.21	335.6	335.0	6	
24.20	26.7	.28	24	28	6	316.2	.17	316.5	315.9	4	
24.40	31.8	.35	28	28	6	297.3	.19	297.5	297.0	3	
24.60	36.3	.40	29	29	6	278.3	.16	278.5	278.0	4	
24.80	36.6	.42	32	32	6	259.4	.19	259.7	259.1	3	
25.00	42.2	.45	37	37	6	240.6	.20	241.0	240.4	4	
25.20	47.5	.57	41	41	6	221.8	.20	222.1	221.5	3	
25.40	57.7	.73	46	46	6	203.0	.19	203.3	202.7	3	
25.60	73.3	.94	52	52	6	184.3	.21	184.6	184.0	4	
25.80	87.8	1.03	64	64	6	165.7	.19	166.0	165.4	3	
26.00	100.0	1.15	77	77	6	147.2	.21	147.6	146.9	3	
26.20	115.6	1.34	93	93	6	129.4	.29	129.8	128.7	3	
26.40	136.1	1.58	117	117	6	111.5	.35	112.0	110.8	3	
26.60	181.2	2.04	158	158	6	102.6	.24	103.2	102.4	3	
26.80	296.2	3.29	233	233	6	93.9	.31	94.5	93.5	3	
27.00	465.3	5.02	396	396	6	85.1	.33	85.6	84.6	3	
27.10	566.4	6.09	503	503	6	76.2	.34	76.7	75.6	3	
27.20	690.4	7.53	637	637	6	67.2	.29	67.4	66.6	3	
27.30	827.41	8.85	761	761	6	58.1	.26	58.3	57.7	4	
27.40	1006.43	10.67	936	936	6						
27.50	1256.55	13.25	1169	1169	4						
27.60	1614.26	16.49	1588	1588	4						

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	391.6	.33	391.8	391.2	0	
23.60	n/a	n/a	n/a	n/a	0	372.9	.50	372.7	371.5	4	
23.80	n/a	n/a	n/a	n/a	0	351.6	.05	353.1	347.7	6	
24.00	13.95	.471	14.40	13.46	6	331.8	.33	334.7	325.3	3	
24.20	13.16	.400	13.55	12.62	6	312.2	.84	315.3	305.9	4	
24.40	12.42	.315	12.64	11.81	6	295.7	.68	296.6	288.9	3	
24.60	11.59	.471	12.52	11.03	6	275.7	.87	277.5	272.0	3	
24.80	10.57	.538	11.63	9.86	6	258.0	.09	258.5	255.2	3	
25.00	9.68	.485	10.48	8.16	6	239.1	.42	239.5	238.4	3	
25.20	8.91	.339	9.40	8.16	6	220.0	.61	220.4	218.5	3	
25.40	8.11	.242	8.37	7.63	6	201.0	.31	201.4	200.7	3	
25.60	7.58	.447	7.96	7.03	6	182.2	.27	182.4	181.7	3	
25.80	7.38	.444	7.83	6.79	6	163.3	.11	163.4	163.1	3	
26.00	7.35	.444	7.76	6.75	6	144.4	.01	144.4	144.3	3	
26.20	7.35	.212	7.72	6.84	6	125.2	.12	125.4	125.0	3	
26.40	7.23	.290	7.54	6.92	6	106.1	.12	106.3	106.0	3	
26.60	6.81	.107	6.93	6.58	6	96.6	.08	96.7	96.5	3	
26.80	5.79	.199	6.11	5.40	6	87.1	.05	87.2	87.1	3	
27.00	4.74	.093	4.84	4.60	6	77.6	.05	77.7	77.6	3	
27.10	4.36	.194	4.73	4.11	6	68.0	.09	68.1	67.9	3	
27.20	4.03	.083	4.18	3.90	6	58.4	.13	58.6	58.3	3	
27.30	3.69	.112	3.79	3.60	6	48.7	.05	48.7	48.6	4	
27.40	3.27	.112	3.49	3.13	6						
27.50	2.74	.100	2.96	2.64	6						
27.60	2.17	.041	2.20	2.12	4						

STATION MP08 OCTOBER 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	.880	.1114	1.000	.780	34668	.10	.026	.150	.08	46668	
24.20	1.032	.0665	1.130	.980	1013013	.13	.017	.16	.12	46668	
24.40	1.197	.0887	1.280	1.070	1324000	.19	.032	.23	.15	46668	
24.60	1.317	.0899	1.420	1.130	2405000	.24	.036	.28	.17	46668	
24.80	1.388	.1524	1.560	1.050	2705000	.27	.050	.31	.17	46668	
25.00	1.490	.1407	1.690	1.200	3104000	.31	.049	.37	.22	46668	
25.20	1.648	.2073	2.040	1.330	3805000	.38	.089	.55	.33	46668	
25.40	1.906	.3131	2.400	1.460	5305000	.53	.173	.83	.41	46668	
25.60	2.313	.4013	2.900	1.600	8105000	.81	.272	1.50	.58	46668	
25.80	2.647	.3863	3.110	1.890	1.0805000	1.08	.291	1.74	.77	46668	
26.00	3.916	.3880	3.340	2.160	1.3405000	1.34	.330	2.19	1.04	46668	
26.20	3.211	.3845	3.680	2.470	1.6605000	1.66	.370	2.83	1.49	46668	
26.40	3.581	.3622	4.110	2.890	2.1405000	2.14	.390	4.16	2.65	46668	
26.60	4.274	.3648	4.820	3.740	3.2605000	3.26	.485	8.48	4.71	46668	
26.80	5.871	.4953	6.320	4.900	7.1805000	7.18	1.128	17.45	11.08	46668	
27.00	7.939	.5275	8.350	6.890	15.1905000	15.19	1.983	24.02	16.39	46668	
27.10	9.032	.5333	9.510	8.040	20.9705000	20.97	2.449	32.07	24.11	46668	
27.20	10.251	.5728	10.940	9.360	28.8605000	28.86	3.329	44.21	32.11	46668	
27.30	11.491	.5767	12.150	10.470	38.5205000	38.52	4.905	59.12	44.48	46668	
27.40	12.951	.5851	13.640	11.890	52.2805000	52.28	4.755	82.16	63.97	46668	
27.50	14.755	.6600	15.510	13.680	73.2905000	6.529	106.8605000	4.069	112.36	103.71	4
27.60	17.060	.4753	17.460	16.380	4	106.86	4.069	112.36	103.71	4	
DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	12.123	.0742	12.200	12.052	12.9790500	12.979	.1118	13.100	12.880	46668	
24.20	11.976	.0378	12.922	11.931	12.9490500	12.949	.0936	13.049	12.836	46668	
24.40	11.800	.1161	11.958	11.601	12.9080500	12.908	.0854	13.004	12.787	46668	
24.60	11.583	.2669	11.898	11.044	12.7630500	12.763	.2298	12.937	12.272	46668	
24.80	11.442	.2561	11.779	10.925	12.6410500	12.641	.2594	12.863	12.198	46668	
25.00	11.336	.2449	11.648	10.857	12.5650500	12.565	.2581	12.782	12.119	46668	
25.20	11.169	.2417	11.526	10.793	12.4830500	12.483	.2554	12.696	12.036	46668	
25.40	10.896	.2796	11.320	10.512	12.3870500	12.387	.2499	12.606	11.949	46668	
25.60	10.479	.3311	10.878	9.980	12.2630500	12.263	.2403	12.495	11.833	46668	
25.80	10.153	.3495	10.579	9.602	12.1090500	12.109	.2345	12.356	11.676	46668	
26.00	9.881	.3409	10.300	9.346	11.9320500	11.932	.2319	12.193	11.488	46668	
26.20	9.587	.3390	10.045	9.064	11.7300500	11.730	.2309	12.008	11.279	46668	
26.40	9.226	.3090	9.690	8.763	11.4960500	11.496	.2313	11.792	11.039	46668	
26.60	8.529	.2254	8.883	8.237	11.2100500	11.210	.2286	11.520	10.765	46668	
26.80	6.931	.2340	7.399	6.659	10.7910500	10.791	.2029	11.084	10.421	46668	
27.00	4.885	.2362	5.415	4.645	10.1100500	10.110	.1632	10.348	9.835	46668	
27.10	3.793	.2432	4.265	3.483	9.6530500	9.653	.1275	9.857	9.466	46668	
27.20	2.572	.3055	2.945	2.088	7.1030500	7.103	.1010	9.264	8.963	46668	
27.30	1.333	.3143	1.832	0.884	4.4340500	4.434	.0670	8.535	8.343	46668	
27.40	-0.126	.3411	-1.413	-0.602	7.6180500	7.618	.0294	7.662	7.563	46668	
27.50	-1.930	.4208	-1.289	-2.477	6.5850500	6.585	.0411	6.669	6.539	46668	
27.60	-4.194	.2165	-3.994	-4.483	5.2820500	5.282	.0449	5.329	5.223	4	
OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	1501	1.5	1502	1499	46668	
24.00	n/a	n/a	n/a	n/a	0	1498	1.7	1500	1496	46668	
24.20	n/a	n/a	n/a	n/a	0	1496	1.2	1497	1494	46668	
24.40	n/a	n/a	n/a	n/a	0	1493	1.9	1497	1491	46668	
24.60	n/a	n/a	n/a	n/a	0	1490	2.1	1494	1487	46668	
24.80	n/a	n/a	n/a	n/a	0	1487	1.9	1490	1483	46668	
25.00	n/a	n/a	n/a	n/a	0	1484	1.3	1486	1481	46668	
25.20	n/a	n/a	n/a	n/a	0	1481	1.1	1482	1479	46668	
25.40	n/a	n/a	n/a	n/a	0	1480	1.6	1481	1477	46668	
25.60	n/a	n/a	n/a	n/a	0	1479	1.4	1481	1477	46668	
25.80	n/a	n/a	n/a	n/a	0	1480	1.5	1482	1478	46668	
26.00	n/a	n/a	n/a	n/a	0	1480	1.4	1482	1478	46668	
26.20	n/a	n/a	n/a	n/a	0	1480	0.9	1482	1479	46668	
26.40	n/a	n/a	n/a	n/a	0	1480	0.6	1481	1479	46668	
26.60	n/a	n/a	n/a	n/a	0	1478	0.7	1478	1476	46668	
26.80	n/a	n/a	n/a	n/a	0	1477	0.9	1478	1475	46668	
27.00	n/a	n/a	n/a	n/a	0	1477	0.7	1478	1476	46668	
27.20	n/a	n/a	n/a	n/a	0	1478	0.7	1479	1477	46668	
27.30	n/a	n/a	n/a	n/a	0	1479	0.8	1480	1478	46668	
27.40	n/a	n/a	n/a	n/a	0	1480	0.6	1481	1479	46668	
27.50	n/a	n/a	n/a	n/a	0	1482	0.5	1486	1485	46668	
27.60	n/a	n/a	n/a	n/a	0	1486	0.5	1486	1485	4	

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SIGMA -T.	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	11.11	0.88	10.93	10.49	4	32.197	0.440	32.420	32.316	147
24.80	10.74	0.88	10.93	10.49	4	32.374	0.445	32.538	32.402	80
25.00	9.86	0.211	10.29	9.68	8	32.450	0.561	32.665	32.486	80
25.20	9.02	0.291	9.68	8.76	8	32.542	0.815	32.837	32.587	80
25.40	8.33	0.362	9.10	7.98	8	32.662	0.912	32.992	32.709	80
25.60	7.86	0.423	8.59	7.29	8	32.825	0.730	33.134	32.909	80
25.80	7.63	0.388	8.12	6.96	8	32.934	0.623	33.329	33.131	80
26.00	7.48	0.348	7.88	6.78	8	33.256	0.467	33.560	33.398	80
26.20	7.38	0.255	7.72	6.85	8	33.711	0.326	33.760	33.651	80
26.40	7.18	0.185	7.44	6.84	8	34.881	0.224	33.925	33.849	80
26.60	6.70	0.131	6.95	6.51	8	35.956	0.256	33.996	33.909	80
26.80	5.59	0.171	5.86	5.29	8	34.078	0.209	34.108	34.048	80
27.00	4.70	0.148	4.95	4.48	8	34.158	0.183	34.263	34.132	80
27.10	4.37	0.136	4.95	4.18	8	34.243	0.148	34.338	34.312	80
27.20	4.06	0.115	4.21	3.85	8	34.323	0.104	34.417	34.388	80
27.30	3.70	0.076	3.83	3.62	8	34.401	0.094	34.484	34.463	80
27.40	3.31	0.091	3.44	3.18	8	34.474	0.088	34.550	34.537	80
27.50	2.84	0.077	2.93	2.73	7					74
27.60	2.30	0.069	2.40	2.24	4	34.542	0.062			

SIGMA -T.	DEPTH					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	28	0.51	64	37	4	335.3	0.22	317.6	316.5	147
24.80	51	11.5	64	37	4	316.7	0.19	297.8	297.2	80
25.00	52	11.6	67	50	8	297.5	0.15	278.8	278.3	80
25.20	56	8.9	69	43	8	278.5	0.18	259.9	259.4	80
25.40	65	10.0	82	54	8	259.6	0.24	241.1	240.4	80
25.60	78	13.6	93	60	8	240.7	0.27	222.2	221.5	80
25.80	91	17.6	109	67	8	221.9	0.28	203.4	202.7	80
26.00	102	20.5	125	73	8	203.1	0.29	184.6	183.9	80
26.20	116	19.9	137	86	8	184.3	0.28	166.0	165.3	80
26.40	138	19.9	160	107	8	165.7	0.24	147.6	146.9	80
26.60	184	18.6	208	159	8	147.2	0.17	129.4	128.9	80
26.80	300	17.1	322	278	8	129.2	0.17	111.6	111.1	80
27.00	465	11.9	482	448	8	111.4	0.17	103.0	102.1	80
27.10	563	16.8	580	533	8	102.6	0.17	94.0	93.5	80
27.20	681	23.5	716	652	8	93.8	0.10	85.2	84.9	80
27.30	835	24.1	869	805	8	85.1	0.18	76.4	75.9	80
27.40	1011	39.6	1061	950	8	76.2	0.24	67.4	66.9	80
27.50	1257	52.0	1323	1183	7	67.2	0.33	58.3	57.6	74
27.60	1606	101.7	1695	1468	4	58.0				

SIGMA -T.	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	11.10	0.88	10.92	10.48	4	334.7	0.180	315.6	315.2	147
24.80	10.73	0.187	10.28	9.68	8	315.4	0.98	296.5	293.9	80
25.00	9.86	0.210	9.67	8.76	8	295.7	1.43	277.4	273.6	80
25.20	9.02	0.289	9.67	8.76	8	276.1	1.13	258.4	255.4	80
25.40	8.32	0.365	9.10	7.97	8	257.2	1.28	239.4	236.2	80
25.60	7.85	0.422	8.58	7.28	8	238.5	0.44	220.2	219.0	80
25.80	7.62	0.388	8.11	6.95	8	219.7	0.16	201.4	200.9	80
26.00	7.47	0.348	7.87	6.77	8	201.2	0.23	182.4	181.8	80
26.20	7.37	0.255	7.71	6.84	8	182.1	0.11	163.4	163.1	80
26.40	7.17	0.184	7.43	6.83	8	163.3	0.04	144.4	144.3	80
26.60	6.68	0.131	6.94	6.50	8	144.4	0.11	125.3	125.0	80
26.80	5.56	0.170	5.83	5.26	8	125.2	0.08	106.3	106.0	80
27.00	4.66	0.147	4.88	4.45	8	96.7	0.04	96.7	96.6	80
27.10	4.33	0.136	4.51	4.14	8	87.2	0.05	87.2	87.1	80
27.20	4.01	0.115	4.16	3.80	8	77.6	0.05	77.7	77.6	80
27.30	3.64	0.079	3.77	3.55	8	68.0	0.08	68.1	67.9	80
27.40	3.24	0.090	3.57	3.11	7	58.4	0.15	58.6	58.2	74
27.50	2.76	0.078	2.84	2.64	7	48.7	0.19	49.0	48.6	74
27.60	2.19	0.077	2.30	2.12	4					

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	.960	n/a	n/a	n/a	0	.14	n/a	n/a	n/a	0	
24.80	1.695	.3818	2.100	1.200	4	.46	.191	.68	.23	4	
25.00	1.649	.4105	2.190	.900	7	.45	.192	.75	.14	7	
25.20	1.769	.3501	2.260	1.270	8	.52	.175	.79	.28	8	
25.40	2.002	.3737	2.610	1.520	6	.67	.218	1.06	.42	6	
25.60	2.320	.4440	2.880	1.690	5	.91	.312	1.31	.52	5	
25.80	2.617	.5243	3.120	1.840	1	1.18	.425	1.60	.61	1	
26.00	2.873	.5823	3.470	2.020	1	1.44	.526	2.00	.74	1	
26.20	3.130	.5764	3.730	2.300	1	1.73	.565	2.32	.96	1	
26.40	3.510	.5723	4.090	2.680	1	2.22	.643	2.95	1.32	1	
26.60	4.240	.5556	4.810	3.420	1	3.42	.766	4.35	2.41	1	
26.80	5.836	.5113	6.470	5.060	1	7.36	.969	8.56	6.06	1	
27.00	7.840	.4090	8.320	7.110	1	15.18	.904	16.57	13.67	1	
27.10	8.899	.4393	9.440	8.020	1	28.77	.287	22.30	18.26	1	
27.20	10.060	.5099	10.760	9.200	1	28.23	2.007	31.27	25.43	1	
27.30	11.446	.5010	12.120	10.690	1	39.02	2.355	42.56	36.64	1	
27.40	12.881	.5569	13.620	12.120	1	52.66	3.849	58.02	47.31	1	
27.50	14.596	.5732	15.510	13.950	1	73.29	5.691	81.12	65.69	1	
27.60	16.948	.8434	17.870	16.100	4	106.14	12.355	117.80	90.14	4	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	11.853	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	0	
24.80	11.131	.0541	11.185	11.082	4	12.809	n/a	n/a	n/a	1	
25.00	11.159	.2859	11.575	10.856	7	12.762	.3162	13.110	12.353	4	
25.20	10.949	.1961	11.264	10.756	8	12.699	.2707	13.023	12.265	7	
25.40	10.715	.1668	11.020	10.574	8	12.530	.3009	12.919	12.078	8	
25.60	10.399	.1604	10.580	10.107	8	12.415	.2878	12.798	11.982	8	
25.80	10.102	.1961	10.341	9.816	8	12.281	.2700	12.655	11.872	8	
26.00	9.847	.2495	10.218	9.468	8	12.121	.2438	12.474	11.752	8	
26.20	9.589	.2411	9.965	9.208	8	11.939	.2103	12.249	11.618	8	
26.40	9.208	.2383	9.596	8.846	8	11.734	.1764	12.001	11.462	8	
26.60	8.479	.2258	8.767	8.130	8	11.500	.1462	11.727	11.276	8	
26.80	6.883	.1845	7.136	6.643	8	11.209	.1196	11.395	11.032	8	
27.00	4.880	.0721	4.991	4.793	8	10.783	.0951	10.922	10.656	8	
27.10	3.823	.1325	4.079	3.642	8	10.107	.0784	10.213	9.986	8	
27.20	2.659	.1800	2.901	2.395	8	9.650	.0690	9.740	9.531	8	
27.30	1.272	.1830	1.486	1.008	8	9.102	.0526	9.181	9.014	8	
27.40	-0.162	.3061	.306	-0.551	8	8.438	.0324	8.480	8.393	8	
27.50	-1.941	.4033	-1.371	-2.444	4	7.615	.0155	7.638	7.589	7	
27.60	-4.151	.7394	-3.166	-4.803	4	6.600	.0337	6.641	6.549	7	
						5.279	.0897	5.385	5.199	4	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	6.44	n/a	n/a	n/a	1	14.91	n/a	n/a	n/a	1	
24.80	6.25	n/a	n/a	n/a	1	14.91	n/a	n/a	n/a	1	
25.00	6.36	.212	6.51	6.21	2	14.87	.1.8	14.89	14.87	4	
25.20	6.40	.325	6.63	6.17	2	14.85	1.1	14.87	14.84	4	
25.40	6.44	.424	6.74	6.14	2	14.82	1.4	14.85	14.81	4	
25.60	6.02	.057	6.06	5.98	2	14.81	1.8	14.84	14.79	4	
25.80	5.33	.191	5.47	5.20	2	14.80	1.6	14.83	14.78	4	
26.00	4.74	.233	4.91	4.58	2	14.80	1.2	14.82	14.78	4	
26.20	4.18	.177	4.30	4.05	2	14.81	.9	14.82	14.79	4	
26.40	4.00	.156	4.11	3.89	2	14.80	.7	14.81	14.79	4	
26.60	3.65	.198	3.79	3.51	2	14.80	.5	14.80	14.79	4	
26.80	2.36	.064	2.40	2.31	2	14.77	.8	14.78	14.76	4	
27.00	.92	.014	.93	.91	2	14.76	.7	14.77	14.75	4	
27.10	.55	.028	.57	.53	2	14.77	.9	14.78	14.75	4	
27.20	.36	.035	.39	.34	2	14.77	.5	14.78	14.77	4	
27.30	.41	.148	.51	.40	2	14.79	.5	14.79	14.78	4	
27.40	.54	.297	.75	.33	2	14.80	.5	14.80	14.79	4	
27.50	.75	.339	.99	.51	2	14.82	.5	14.83	14.81	4	
27.60	1.14	.127	1.23	1.05	2	14.86	1.5	14.87	14.84	4	

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	10.72	.649	11.26	9.78	4	32.379	.1301	32.495	32.193	4	
25.00	9.89	.436	10.58	9.22	12	32.455	.0869	32.595	32.313	12	
25.20	9.91	.395	9.76	8.45	15	32.532	.0757	32.684	32.413	15	
25.40	8.23	.363	8.97	7.70	17	32.632	.0709	32.768	32.527	17	
25.60	7.64	.389	8.15	7.02	17	32.781	.0742	32.867	32.663	17	
25.80	7.32	.418	7.80	6.26	17	32.973	.0733	33.056	32.791	17	
26.00	7.21	.293	7.60	6.47	17	33.211	.0527	33.275	33.083	17	
26.20	7.13	.201	7.49	6.76	17	33.447	.0349	33.511	33.384	17	
26.40	7.01	.173	7.34	6.70	17	33.681	.0304	33.739	33.627	17	
26.60	6.66	.158	6.94	6.37	17	33.873	.0268	33.922	33.826	17	
26.80	5.56	.199	6.03	5.20	17	33.951	.0304	34.024	33.896	17	
27.00	4.70	.138	4.93	4.45	17	34.078	.0203	34.113	34.042	17	
27.10	4.38	.114	4.56	4.16	17	34.160	.0157	34.186	34.129	17	
27.20	4.04	.100	4.29	3.89	17	34.241	.0136	34.273	34.220	17	
27.30	3.76	.061	3.60	3.62	17	34.323	.0086	34.335	34.312	17	
27.40	3.30	.070	3.39	3.18	16	34.399	.0082	34.410	34.386	16	
27.50	2.82	.094	3.02	2.70	15	34.470	.0104	34.492	34.456	15	
27.60	2.25	.084	2.35	2.17	5	34.537	.0094	34.548	34.529	5	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	38.54	21.4	53	46	4	316.44	.44	316.8	315.8	4	
25.00	54	5.00	61	42	12	297.6	.14	297.0	297.0	12	
25.20	61	6.8	72	45	15	278.6	.13	278.8	278.3	15	
25.40	68	7.9	83	48	17	259.6	.15	259.9	259.3	17	
25.60	79	11.4	96	53	17	240.7	.18	241.0	240.3	17	
25.80	92	12.0	112	68	17	221.9	.18	222.1	221.5	17	
26.00	105	12.7	128	79	17	203.1	.18	203.3	202.7	17	
26.20	120	12.0	146	95	17	184.3	.17	184.6	184.0	17	
26.40	142	10.6	165	122	17	165.7	.17	166.0	165.3	17	
26.60	188	13.3	214	170	17	147.3	.21	147.7	147.0	17	
26.80	302	19.1	329	264	17	129.2	.25	129.6	128.7	17	
27.00	468	24.3	507	422	17	111.5	.26	111.9	111.1	17	
27.10	569	23.3	509	528	17	102.6	.25	103.1	102.2	17	
27.20	692	24.5	731	646	17	93.8	.19	94.2	93.5	17	
27.30	843	25.7	872	791	17	85.1	.19	85.4	84.8	17	
27.40	1027	27.5	1066	986	16	76.3	.17	76.5	75.9	16	
27.50	1269	44.9	1338	1188	15	67.2	.13	67.4	67.0	15	
27.60	1656	50.2	1704	1602	5	58.2	.12	58.4	58.1	5	
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	10.72	.648	11.26	9.78	4	315.0	.92	315.5	313.6	4	
25.00	9.89	.436	10.58	9.22	12	295.9	.69	296.5	294.4	12	
25.20	9.90	.392	9.75	8.45	15	276.6	.65	277.5	274.4	15	
25.40	8.22	.362	8.96	7.69	17	257.9	.88	258.5	255.0	17	
25.60	7.64	.388	8.14	7.01	17	238.9	.81	239.5	236.5	17	
25.80	7.31	.417	7.80	6.26	17	220.2	.33	220.5	219.4	17	
26.00	7.20	.293	7.59	6.46	17	201.1	.40	201.4	200.2	17	
26.20	7.12	.199	7.48	6.75	17	182.3	.13	182.5	182.1	17	
26.40	7.06	.174	7.33	6.69	17	163.3	.14	163.4	162.9	17	
26.60	6.64	.157	6.92	6.36	17	144.4	.04	144.4	144.3	17	
26.80	5.53	.198	6.00	5.17	17	125.3	.09	125.4	125.1	17	
27.00	4.67	.139	4.89	4.41	17	106.2	.10	106.3	106.0	17	
27.10	4.34	.113	4.52	4.12	17	96.7	.07	96.8	96.5	17	
27.20	3.99	.100	4.24	3.84	17	87.2	.04	87.2	87.1	17	
27.30	3.64	.061	3.74	3.55	17	77.6	.04	77.7	77.6	17	
27.40	3.22	.070	3.32	3.11	16	68.1	.07	68.1	67.9	16	
27.50	2.73	.096	2.93	2.60	15	58.4	.10	58.6	58.3	15	
27.60	2.14	.086	2.24	2.05	5	48.6	.06	48.7	48.6	5	

STATION MP08 D E C E M B E R 1956 to 1990

DELTA D						POT. ENERGY				
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.80	1.233	.6970	1.730	.200	4	.30	.198	.47	.01	4
25.00	1.701	.1534	1.910	1.330	12	.48	.081	.60	.29	12
25.20	1.868	.1926	2.160	1.410	15	.59	.120	.79	.32	15
25.40	2.041	.2390	2.500	1.490	17	.71	.156	1.05	.36	17
25.60	2.306	.3374	2.810	1.600	17	.92	.244	1.29	.42	17
25.80	2.612	.3530	3.200	1.970	17	1.18	.296	1.69	.64	17
26.00	2.889	.3663	3.560	2.200	17	1.47	.345	2.12	.82	17
26.20	3.180	.3515	3.910	2.500	17	1.80	.366	2.62	1.09	17
26.40	3.573	.3235	4.250	2.990	17	2.32	.374	3.15	1.63	17
26.60	4.285	.3402	5.020	3.800	17	3.53	.511	4.64	2.86	17
26.80	5.871	.4037	6.610	5.190	17	7.52	.931	9.04	5.76	17
27.00	7.871	.4765	8.770	7.100	17	15.40	1.623	18.27	12.38	17
27.10	8.962	.4613	9.870	8.130	17	21.21	1.835	24.59	18.05	17
27.20	10.181	.4634	11.100	9.360	17	29.09	2.196	34.00	25.37	17
27.30	11.548	.4477	12.290	10.740	17	39.87	2.555	42.75	34.96	17
27.40	13.033	.4289	13.680	12.350	16	54.20	2.955	58.27	49.48	16
27.50	14.775	.4694	15.500	13.940	15	74.91	4.757	81.85	65.74	15
27.60	17.266	.5172	17.820	16.680	5	111.80	6.517	118.35	104.58	5

DELTA DH						ACC. POT.				
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.80	11.825	.5341	12.598	11.378	14	13.029	.2316	13.291	12.800	4
25.00	11.154	.2681	11.538	10.601	12	12.781	.2721	13.188	12.310	12
25.20	10.937	.2487	11.448	10.510	15	12.640	.2478	13.078	12.198	15
25.40	10.718	.2315	11.121	10.408	15	12.495	.2430	12.958	12.079	17
25.60	10.452	.2039	10.834	10.128	17	12.356	.2325	12.807	11.956	17
25.80	10.148	.1820	10.493	9.837	17	12.195	.2159	12.615	11.817	17
26.00	9.871	.1756	10.243	9.547	17	12.009	.1984	12.389	11.656	17
26.20	9.579	.1667	9.937	9.269	17	11.799	.1818	12.132	11.469	17
26.40	9.188	.1383	9.452	8.941	17	11.555	.1680	11.843	11.244	17
26.60	8.474	.1282	8.695	8.237	17	11.259	.1548	11.504	10.967	17
26.80	6.889	.1245	7.211	6.665	17	10.826	.1320	11.014	10.583	17
27.00	4.889	.1939	5.275	4.571	17	10.143	.0946	10.277	9.961	17
27.10	3.797	.1859	4.118	3.468	17	9.685	.0749	9.789	9.528	17
27.20	2.580	.1935	2.921	2.244	17	9.129	.0546	9.193	9.013	17
27.30	-1.213	.2033	1.622	0.984	16	8.454	.0342	8.493	8.390	17
27.40	-0.283	.2150	0.632	-0.593	16	7.622	.0157	7.650	7.593	16
27.50	-2.039	.3405	-1.422	-2.558	15	6.578	.0382	6.632	6.527	15
27.60	-4.485	.3575	-4.079	-4.833	5	5.256	.0765	5.350	5.182	5

OXYGEN						SOUND				
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	n/a	n/a	n/a	n/a	0	1490	3.0	1493	1486	4
25.00	n/a	n/a	n/a	n/a	0	1488	1.8	1490	1485	12
25.20	n/a	n/a	n/a	n/a	0	1484	1.5	1487	1482	15
25.40	n/a	n/a	n/a	n/a	0	1482	1.6	1485	1479	17
25.60	n/a	n/a	n/a	n/a	0	1480	1.7	1482	1477	17
25.80	n/a	n/a	n/a	n/a	0	1479	1.3	1481	1475	17
26.00	n/a	n/a	n/a	n/a	0	1479	1.9	1481	1476	17
26.20	n/a	n/a	n/a	n/a	0	1480	1.8	1481	1478	17
26.40	n/a	n/a	n/a	n/a	0	1479	1.7	1480	1478	17
26.60	n/a	n/a	n/a	n/a	0	1477	1.0	1479	1475	17
26.80	n/a	n/a	n/a	n/a	0	1476	1.7	1477	1475	17
27.00	n/a	n/a	n/a	n/a	0	1477	1.5	1478	1475	17
27.10	n/a	n/a	n/a	n/a	0	1477	1.7	1478	1475	17
27.20	n/a	n/a	n/a	n/a	0	1479	1.5	1479	1478	17
27.30	n/a	n/a	n/a	n/a	0	1480	1.4	1481	1479	16
27.40	n/a	n/a	n/a	n/a	0	1482	1.5	1483	1481	15
27.50	n/a	n/a	n/a	n/a	0	1487	1.5	1486	1486	5

Table 24. As in Table 12, for Station 6 (P12).

Table 24 : STATION MP12 ALL DATA (JANUARY-DECEMBER) 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	11.14	3.144	18.40	5.56	214	32.418	.1663	32.770	31.748	214	
10	11.02	.080	17.83	5.54	214	32.421	.1588	32.760	31.756	214	
20	10.80	2.951	17.51	5.54	214	32.437	.1399	32.770	31.945	214	
30	10.28	2.536	16.26	5.54	214	32.457	.1281	32.770	31.997	214	
50	8.78	1.431	14.20	5.55	214	32.525	.1069	33.141	32.206	214	
75	7.74	.821	10.90	5.66	214	32.647	.1528	33.770	32.407	214	
100	7.21	.543	8.74	5.86	214	32.934	.2515	33.839	32.510	214	
125	6.91	.401	8.24	5.92	214	33.337	.2349	33.877	32.694	213	
150	6.75	.359	8.14	6.03	214	33.639	.1448	33.936	33.128	213	
175	6.57	.348	7.86	5.72	214	33.793	.0743	34.040	33.530	212	
200	6.33	.349	7.69	5.51	214	33.860	.0481	34.070	33.693	212	
225	6.06	.358	7.45	5.30	214	33.883	.0438	34.080	33.766	212	
250	5.79	.353	7.22	4.98	214	33.897	.0429	34.089	33.798	212	
300	5.31	.341	7.01	4.50	214	33.922	.0427	34.100	33.820	212	
400	4.68	.289	6.20	4.06	206	33.991	.0408	34.154	33.883	206	
500	4.32	.227	5.33	3.87	205	34.076	.0405	34.300	33.977	205	
600	4.05	.174	4.70	3.74	203	34.156	.0365	34.325	34.023	203	
700	3.83	.140	4.42	3.58	202	34.226	.0303	34.357	34.139	202	
800	3.62	.122	4.10	3.38	202	34.286	.0273	34.376	34.197	202	
900	3.43	.104	3.82	3.22	202	34.337	.0253	34.427	34.196	202	
1000	3.24	.090	3.54	3.02	202	34.379	.0248	34.469	34.219	202	
1200	2.86	.071	3.08	2.69	190	34.444	.0232	34.546	34.325	190	
1500	2.40	.055	2.72	2.29	132	34.511	.0197	34.567	34.447	132	
2000	1.96	.089	2.28	1.89	29	34.583	.0199	34.607	34.537	29	
2500	1.80	.124	1.98	1.72	4	34.626	.0229	34.644	34.592	4	
SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.717	.6472	25.675	23.015	214	323.6	61.65	486.0	232.5	214	
10	24.742	.6273	25.652	23.153	214	321.5	59.80	473.1	234.8	214	
20	24.796	.5922	25.654	23.236	214	316.5	56.50	465.4	234.7	214	
50	24.912	.4949	25.665	23.560	214	305.6	47.26	434.8	233.8	214	
75	25.230	.2629	25.751	24.206	214	275.6	25.13	373.6	226.0	214	
100	25.486	.1778	26.269	24.957	214	251.5	16.98	302.3	177.4	214	
125	25.787	.2157	26.353	25.513	214	223.2	20.51	268.5	169.5	214	
150	26.144	.1839	26.527	25.551	214	189.7	17.45	246.1	153.3	213	
175	26.403	.1166	26.654	26.007	213	165.4	11.07	202.9	141.4	213	
200	26.548	.0700	26.724	26.360	212	152.0	6.70	169.9	135.0	212	
225	26.632	.0509	26.768	26.480	212	144.3	4.91	159.2	131.5	212	
250	26.685	.0459	26.818	26.522	212	139.4	4.47	155.6	126.9	212	
300	26.730	.0419	26.858	26.584	212	135.3	4.09	149.9	123.4	212	
400	26.807	.0381	26.913	26.636	212	128.3	3.75	145.6	118.6	212	
500	26.934	.0350	27.061	26.775	206	117.0	3.45	133.3	105.0	206	
600	27.041	.0331	27.225	26.893	205	107.5	3.24	122.5	90.1	205	
700	27.132	.0298	27.268	27.011	203	99.4	2.88	111.6	86.6	203	
800	27.211	.0248	27.303	27.136	202	92.5	2.41	99.9	83.8	202	
900	27.279	.0232	27.351	27.208	202	86.5	2.26	93.2	79.9	202	
1000	27.339	.0217	27.406	27.221	202	81.3	2.13	92.4	75.1	202	
1200	27.390	.0213	27.455	27.254	202	76.8	2.08	89.7	71.0	202	
1500	27.476	.0204	27.551	27.371	190	69.0	1.97	79.1	62.3	190	
2000	27.569	.0177	27.618	27.505	132	60.5	1.74	67.6	55.9	132	
2500	27.662	.0213	27.683	27.601	29	52.3	2.31	59.5	50.1	29	
	27.710	.0278	27.730	27.669	4	48.8	3.26	53.6	46.5	4	
THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	11.14	3.144	18.40	5.56	214	323.6	61.65	486.0	232.5	214	
10	11.02	.080	17.82	5.54	214	321.2	59.75	472.7	234.6	214	
20	10.80	2.951	17.51	5.54	214	316.1	56.39	464.7	234.4	214	
50	10.28	2.536	16.26	5.54	214	305.0	47.12	433.9	233.4	214	
75	8.77	1.428	14.19	5.55	214	274.7	25.00	372.2	225.1	214	
100	7.73	.821	10.89	5.65	214	250.3	16.90	300.6	175.9	214	
125	7.20	.543	8.73	5.86	213	221.7	20.50	266.7	167.9	214	
150	6.90	.400	8.23	5.91	213	187.8	17.47	244.1	151.4	213	
175	6.74	.358	8.12	5.02	213	163.1	11.07	200.8	139.4	213	
200	6.55	.348	7.85	5.71	212	149.3	6.64	167.2	132.7	212	
225	6.31	.348	7.67	5.50	212	141.3	4.81	155.7	128.5	212	
250	6.04	.357	7.43	5.28	212	136.3	4.34	151.8	123.6	212	
300	5.77	.353	7.20	4.96	212	132.0	3.96	145.8	119.8	212	
400	5.28	.340	6.98	4.47	212	124.7	3.60	140.8	114.7	212	
500	4.65	.288	6.16	4.03	206	112.6	3.30	127.6	100.6	206	
600	4.28	.226	5.29	3.83	205	102.5	2.13	116.3	85.0	205	
700	4.01	.173	4.65	3.70	203	93.8	2.81	105.1	80.8	203	
800	3.78	.140	4.36	3.53	202	86.2	2.35	93.3	77.4	202	
900	3.56	.121	4.04	3.32	202	79.7	2.19	86.5	72.9	202	
1000	3.17	.104	3.76	3.15	202	74.0	2.02	82.0	67.6	202	
1200	2.78	.071	2.99	2.61	190	60.8	1.91	70.8	53.7	190	
1500	2.30	.055	2.61	2.19	132	51.9	1.67	58.0	47.3	132	
2000	1.82	.087	2.13	1.75	29	42.9	2.00	48.7	41.0	29	
2500	1.61	.124	1.80	1.54	4	38.1	2.63	42.0	36.2	4	

STATION MP12 ALL DATA (JANUARY-DECEMBER) 1956 to 1990

DELTA D

POT. ENERGY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	214	.00	.000	.00	.00	214
10	.324	.0607	.480	.230	214	.02	.005	.02	.01	214
20	.644	.1195	.950	.470	214	.07	.013	.10	.05	214
30	.956	.1705	1.400	.700	214	.15	.025	.21	.11	214
50	1.537	.2290	2.140	1.170	214	.38	.050	.52	.30	214
75	2.197	.2532	2.910	1.750	214	.60	.069	1.03	.66	214
100	2.789	.2731	3.590	2.190	214	1.33	.096	1.65	1.04	214
125	3.305	.3018	4.200	2.600	213	1.92	.141	2.34	1.52	213
150	3.746	.3243	4.750	3.990	213	2.54	.182	3.11	2.07	213
175	4.145	.3343	5.170	3.360	212	3.19	.209	3.81	2.69	212
200	4.514	.3419	5.540	3.730	212	3.90	.228	4.56	3.35	212
225	4.868	.3471	5.890	4.090	212	4.67	.245	5.37	4.08	212
250	5.211	.3532	6.240	4.430	212	5.50	.263	6.23	4.86	212
300	5.870	.3620	6.890	5.100	212	7.34	.302	8.11	6.61	212
400	7.099	.3738	8.120	6.290	206	11.71	.387	12.59	10.70	206
500	8.222	.3902	9.260	7.340	205	16.85	.505	18.16	15.51	205
600	9.257	.4018	10.330	8.290	203	22.65	.631	24.71	20.87	203
700	10.217	.4151	11.330	9.190	202	29.00	.770	31.70	26.77	202
800	11.112	.4258	12.260	10.010	202	35.84	.909	39.02	33.04	202
900	11.951	.4366	13.120	10.780	202	43.10	1.063	46.73	39.74	202
1000	12.740	.4469	13.920	11.510	202	50.75	1.229	54.89	46.79	202
1200	14.185	.4720	15.440	12.860	190	66.99	1.550	72.82	61.93	190
1500	16.119	.5228	17.420	15.070	132	93.71	2.238	102.56	89.08	132
2000	19.107	.6318	20.350	17.960	29	144.59	4.130	155.21	139.20	29
2500	21.330	.9487	22.670	20.450	4	202.40	9.013	215.60	195.54	4

OXYGEN

SOUND

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.37	.661	7.39	4.80	23	1491	11.0	1514	1470	214
10	6.39	.732	7.33	4.13	23	1490	10.8	1513	1470	214
20	6.45	.627	7.38	4.47	23	1490	10.3	1512	1470	214
30	6.59	.651	7.62	4.31	23	1488	9.0	1509	1470	214
50	6.64	.593	7.31	4.56	23	1483	5.3	1502	1471	214
75	6.44	.462	6.98	5.06	23	1480	4.2	1492	1472	214
100	5.72	.548	6.45	4.33	23	1479	2.1	1484	1473	214
125	4.81	.512	5.80	3.91	23	1479	1.7	1484	1474	213
150	4.17	.438	4.91	3.40	23	1479	1.5	1484	1476	213
175	3.83	.440	4.61	3.73	23	1479	1.4	1484	1475	212
200	3.56	.441	4.21	2.30	23	1478	1.5	1484	1475	212
225	2.28	.373	3.89	2.40	23	1478	1.5	1483	1474	212
250	2.999	.348	3.59	2.37	23	1477	1.5	1483	1473	212
300	2.36	.342	2.95	1.83	23	1476	1.5	1483	1472	212
400	1.48	.241	1.96	1.13	22	1475	1.3	1481	1472	206
500	.99	.175	1.34	.70	22	1475	1.0	1479	1473	205
600	.72	.128	1.05	.47	20	1476	.8	1478	1474	203
700	.54	.097	.74	.39	20	1477	.6	1479	1475	202
800	.42	.090	.63	.23	20	1477	.5	1479	1476	202
900	.39	.083	.55	.21	20	1478	.5	1480	1477	202
1000	.39	.086	.56	.22	20	1479	.4	1480	1478	202
1200	.48	.082	.62	.33	19	1481	.3	1482	1480	190
1500	.79	.084	.94	.57	17	1484	.2	1485	1484	132
2000	1.37	.216	1.60	.97	8	1490	.6	1492	1490	29
2500	1.97	.028	1.99	1.95	2	1498	.5	1499	1498	4

DELTA DH

PRESS	MEAN	S.D.	MAX	MIN	N
0	12.741	.4472	13.924	11.509	202
10	12.417	.4075	13.460	11.265	202
20	12.096	.3740	13.007	11.022	202
30	11.783	.3468	12.595	10.778	202
50	11.201	.3148	11.988	10.291	202
75	10.539	.2911	11.228	9.686	202
100	9.946	.2661	10.703	9.127	202
125	9.428	.2392	10.285	8.684	202
150	8.986	.2200	9.879	8.296	202
175	8.590	.2081	9.482	7.938	202
200	8.221	.1991	9.095	7.606	202
225	7.866	.1910	8.717	7.282	202
250	7.523	.1831	8.343	6.970	202
300	6.863	.1681	7.604	6.368	202
400	5.639	.1384	6.200	5.220	202
500	4.516	.1115	4.917	4.171	202
600	3.482	.0869	3.761	3.214	202
700	2.524	.0639	2.784	2.323	202
800	1.629	.0423	1.847	1.498	202
900	.790	.0212	.918	.728	202
1000	.000	.0000	.000	.000	202
1200	-1.453	.0396	-1.350	-1.686	190
1500	-3.395	.0941	-3.109	-3.853	192
2000	-6.256	.2101	-5.986	-6.828	29
2500	-8.807	.4224	-8.501	-9.430	4

Table 25. As in Table 13, for Station 6 (P12).

Table 25 : STATION MP12 J A N U A R Y 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.50	.836	9.89	7.38	16	32.503	.0887	32.770	32.395	16
10	8.49	.825	9.89	7.38	16	32.498	.0896	32.760	32.397	16
20	8.49	.824	9.89	7.38	16	32.499	.0916	32.770	32.396	16
30	8.49	.824	9.89	7.37	16	32.499	.0918	32.770	32.394	16
50	8.46	.794	9.91	7.36	16	32.503	.0929	32.780	32.397	16
75	7.66	.642	8.75	6.29	16	32.598	.1139	32.780	32.446	16
100	7.03	.625	7.89	5.86	16	32.874	.1966	33.318	32.525	16
125	6.68	.496	7.23	6.92	16	33.286	.1945	33.770	33.026	16
150	6.57	.288	7.24	6.10	16	33.591	.1184	33.871	33.370	16
175	6.43	.266	7.07	6.10	16	33.763	.0777	33.910	33.597	16
200	6.23	.250	6.73	5.84	16	33.848	.0515	33.967	33.762	16
225	5.95	.243	6.41	5.53	16	33.876	.0521	34.001	33.797	16
250	5.66	.210	6.08	5.27	16	33.890	.0538	34.028	32.828	16
300	5.20	.214	5.55	4.78	16	33.913	.0551	34.051	32.860	16
400	4.57	.226	5.11	4.27	16	33.977	.0368	34.068	33.937	16
500	4.24	.200	4.74	3.98	16	34.066	.0416	34.156	34.008	16
600	4.01	.149	4.39	3.82	16	34.148	.0361	34.228	34.095	16
700	3.80	.108	4.09	3.67	16	34.223	.0269	34.280	34.176	16
800	3.59	.103	3.83	3.43	16	34.284	.0206	34.324	34.257	16
900	3.42	.111	3.60	3.22	16	34.335	.0207	34.371	34.305	16
1000	3.25	.111	3.43	3.02	16	34.378	.0222	34.418	34.340	16
1200	2.87	.096	3.05	2.74	14	34.441	.0226	34.476	34.397	14
1500	2.42	.104	2.72	2.32	11	34.511	.0193	34.537	34.463	11
2000	2.12	.233	2.28	1.95	2	34.554	.0266	34.572	34.537	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	SIGMA T					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	25.261	1.596	25.495	25.005	16	271.9	15.18	296.2	249.6	16
10	25.259	1.582	25.495	24.998	16	272.1	15.06	297.1	249.7	16
20	25.260	1.595	25.495	24.997	16	272.3	15.16	297.3	249.9	16
30	25.260	1.595	25.496	24.997	16	272.4	15.21	297.6	249.9	16
50	25.268	1.520	25.497	24.995	16	272.0	14.51	298.0	250.1	16
75	25.460	1.495	25.733	25.276	16	275.0	14.29	271.5	227.8	16
100	25.763	1.789	26.104	25.424	16	275.4	17.04	257.7	193.1	16
125	26.134	1.335	26.498	25.950	16	190.5	12.62	207.9	156.1	16
150	26.389	.0902	26.618	26.251	16	166.6	8.55	179.8	145.0	16
175	26.543	.0700	26.700	26.403	16	152.4	6.68	165.8	137.4	16
200	26.635	.0444	26.745	26.582	16	143.9	4.27	149.2	133.3	16
225	26.694	.0389	26.788	26.649	16	138.5	3.71	142.7	129.5	16
250	26.741	.0372	26.831	26.703	16	134.3	3.52	137.8	125.9	16
300	26.814	.0343	26.907	26.764	16	127.7	3.22	132.4	119.0	16
400	26.935	.0253	26.984	26.897	16	116.7	2.45	126.8	112.3	16
500	27.041	.0290	27.095	26.988	16	107.3	2.79	112.4	102.5	16
600	27.131	.0250	27.184	27.089	16	99.5	2.38	103.6	94.6	16
700	27.212	.0193	27.255	27.182	16	92.3	1.84	95.3	88.4	16
800	27.281	.0168	27.315	27.254	16	86.3	1.63	89.3	83.1	16
900	27.337	.0180	27.367	27.312	16	81.4	1.83	84.1	78.5	16
1000	27.388	.0200	27.417	27.357	16	77.0	2.00	79.9	73.8	16
1200	27.472	.0214	27.495	27.429	14	69.4	2.12	74.0	67.1	14
1500	27.568	.0236	27.590	27.505	11	60.7	2.51	67.6	58.7	11
2000	27.628	.0382	27.655	27.601	2	56.2	4.67	59.5	52.9	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	8.50	.836	9.89	7.38	16	271.9	15.18	296.2	249.6	16
10	8.49	.825	9.89	7.38	16	272.0	15.06	296.9	249.6	16
20	8.49	.825	9.89	7.38	16	271.9	15.14	296.9	249.6	16
30	8.49	.824	9.89	7.37	16	271.8	15.15	296.9	249.5	16
50	8.46	.792	9.90	7.36	16	271.1	14.44	297.0	249.3	16
75	7.65	.642	8.75	6.28	16	252.8	14.21	270.3	226.9	16
100	7.02	.624	7.88	6.11	16	223.9	17.00	256.2	191.6	16
125	6.67	.405	7.21	5.91	16	188.7	12.70	206.2	154.1	16
150	6.56	.290	7.22	5.86	16	164.4	8.55	177.5	142.8	16
175	6.41	.265	7.05	6.08	16	149.8	6.63	163.1	135.0	16
200	6.22	.249	6.71	5.83	16	141.1	4.22	146.1	130.6	16
225	5.93	.243	6.39	5.51	16	135.4	3.67	139.7	126.6	16
250	5.64	.209	6.06	5.25	16	131.0	3.50	134.6	122.5	16
300	5.18	.213	5.52	4.76	16	124.1	3.26	128.8	115.2	16
400	4.54	.225	5.08	4.24	16	112.5	2.59	116.1	107.9	16
500	4.20	.200	4.70	3.94	16	102.4	2.77	107.5	97.3	16
600	3.96	.148	4.34	3.77	16	93.9	2.38	97.8	88.8	16
700	3.74	.108	4.04	3.62	16	86.1	1.83	88.9	82.1	16
800	3.53	.101	3.77	3.38	16	79.5	1.57	82.0	76.3	16
900	3.35	.111	3.53	3.15	16	74.1	1.73	76.5	71.3	16
1000	3.18	.111	3.36	2.95	16	69.3	1.87	72.2	66.5	16
1200	2.79	.096	2.97	2.65	14	61.2	1.99	65.3	59.1	14
1500	2.32	.103	2.61	2.21	11	52.0	2.21	58.0	50.0	11
2000	1.97	.226	2.13	1.81	2	46.1	3.61	48.7	43.6	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP12 J A N U A R Y 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	16	.00	.00	.00	.00	16
10	.272	.0152	.300	.250	16	.01	.004	.02	.01	16
20	.544	.0296	.590	.500	16	.05	.005	.06	.05	16
30	.819	.0460	.890	.750	16	.12	.010	.14	.11	16
50	1.364	.0772	1.490	1.250	16	.35	.019	.38	.32	16
75	2.027	.0894	2.190	1.870	16	.77	.029	.83	.72	16
100	2.632	.0925	2.790	2.490	16	1.31	.045	1.39	1.22	16
125	3.153	.1111	3.350	3.000	16	1.90	.073	2.01	1.80	16
150	3.597	.1248	3.810	3.420	16	2.52	.099	2.65	2.32	16
175	3.993	.1345	4.210	3.770	16	3.18	.126	3.35	3.00	16
200	4.362	.1424	4.590	4.110	16	3.89	.145	4.08	3.54	16
225	4.714	.1481	4.950	4.440	16	4.65	.160	4.85	4.26	16
250	5.055	.1547	5.300	4.750	16	5.48	.176	5.69	5.03	16
300	5.710	.1624	5.960	5.380	16	7.31	.211	7.58	6.77	16
400	6.929	.1713	7.160	6.570	16	11.65	.261	12.02	11.02	16
500	8.049	.1849	8.270	7.660	16	16.78	.351	17.37	16.04	16
600	9.082	.1994	9.350	8.670	16	22.57	.475	23.43	21.67	16
700	10.039	.2111	10.340	9.600	16	28.92	.601	30.01	27.84	16
800	10.932	.2223	11.250	10.470	16	35.74	.705	36.98	34.51	16
900	11.772	.2338	12.110	11.290	16	43.01	.821	44.36	41.57	16
1000	12.562	.2469	12.910	12.050	16	50.67	.971	52.16	48.98	16
1200	13.994	.2777	14.360	13.460	14	66.95	1.350	68.81	64.72	14
1500	15.854	.3160	16.480	15.350	11	93.19	2.108	97.60	90.75	11
2000	19.335	.4455	19.650	19.020	2	150.81	4.582	154.05	147.57	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1482	3.3	1487	1477	16
10	n/a	n/a	n/a	n/a	0	1482	3.1	1487	1478	16
20	n/a	n/a	n/a	n/a	0	1482	3.1	1487	1478	16
30	n/a	n/a	n/a	n/a	0	1482	3.0	1488	1478	16
50	n/a	n/a	n/a	n/a	0	1480	2.5	1484	1474	16
75	n/a	n/a	n/a	n/a	0	1478	2.6	1481	1473	16
100	n/a	n/a	n/a	n/a	0	1478	1.8	1480	1474	16
125	n/a	n/a	n/a	n/a	0	1478	1.4	1481	1476	16
150	n/a	n/a	n/a	n/a	0	1478	1.1	1481	1477	16
175	n/a	n/a	n/a	n/a	0	1478	1.1	1480	1476	16
200	n/a	n/a	n/a	n/a	0	1477	1.1	1479	1475	16
225	n/a	n/a	n/a	n/a	0	1477	1.0	1478	1475	16
250	n/a	n/a	n/a	n/a	0	1475	1.9	1477	1474	16
300	n/a	n/a	n/a	n/a	0	1474	1.1	1477	1473	16
400	n/a	n/a	n/a	n/a	0	1475	1.9	1477	1474	16
500	n/a	n/a	n/a	n/a	0	1475	1.6	1477	1475	16
600	n/a	n/a	n/a	n/a	0	1476	1.6	1478	1476	16
700	n/a	n/a	n/a	n/a	0	1477	1.4	1478	1477	16
800	n/a	n/a	n/a	n/a	0	1478	1.6	1479	1477	16
900	n/a	n/a	n/a	n/a	0	1479	1.6	1480	1478	16
1000	n/a	n/a	n/a	n/a	0	1481	1.6	1482	1480	14
1200	n/a	n/a	n/a	n/a	0	1482	1.3	1485	1484	11
1500	n/a	n/a	n/a	n/a	0	1492	1.7	1492	1491	11
2000	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.563	.2468	12.912	12.053	16
10	12.290	.2408	12.646	11.784	16
20	12.018	.2353	12.380	11.514	16
30	11.745	.2309	12.114	11.244	16
50	11.199	.2248	11.582	10.705	16
75	10.534	.2280	10.918	10.008	16
100	9.931	.2128	10.260	9.442	16
125	9.411	.1968	9.709	9.007	16
150	8.967	.1729	9.241	8.636	16
175	8.570	.1623	8.826	8.283	16
200	8.201	.1558	8.450	7.941	16
225	7.848	.1507	8.087	7.579	16
250	7.508	.1460	7.737	7.234	16
300	6.853	.1366	7.068	6.583	16
400	5.634	.1155	5.819	5.403	16
500	4.514	.0914	4.657	4.330	16
600	3.481	.0696	3.592	3.346	16
700	2.523	.0514	2.606	2.431	16
800	1.630	.0359	1.684	1.574	16
900	1.791	.0191	.817	.765	16
1000	1.000	.0000	.000	.000	16
1200	-1.462	.0389	-1.403	-1.532	14
1500	-3.391	.1084	-3.298	-3.656	11
2000	-6.611	.3069	-6.394	-6.828	12
2500	n/a	n/a	n/a	n/a	0

STATION MP12 FEBRUARY 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.45	.935	9.21	5.56	15	32.531	.0577	32.610	32.400	15
10	7.47	.937	9.21	5.54	15	32.524	.0566	32.610	32.400	15
20	7.46	.940	9.22	5.54	15	32.524	.0563	32.610	32.400	15
30	7.45	.942	9.23	5.54	15	32.524	.0570	32.616	32.400	15
50	7.45	.928	9.17	5.55	15	32.530	.0501	32.620	32.443	15
75	7.39	.625	7.98	6.66	15	32.622	.1517	33.100	32.478	15
100	7.25	.365	7.95	6.70	15	33.011	.3420	33.638	32.557	15
125	6.97	.311	7.66	6.38	15	33.419	.2262	33.769	33.111	15
150	6.83	.318	7.61	6.16	15	33.689	.1183	33.878	33.431	15
175	6.59	.333	7.42	6.97	14	33.807	.0679	33.940	33.664	14
200	6.32	.337	7.19	7.73	14	33.869	.0407	33.973	33.787	14
225	6.04	.387	7.00	6.41	14	33.887	.0396	33.990	33.806	14
250	5.79	.379	6.73	6.22	14	33.903	.0410	34.007	33.821	14
300	5.33	.387	6.29	4.83	14	33.925	.0481	34.045	33.835	14
400	4.74	.323	5.37	4.35	14	33.996	.0486	34.107	33.918	14
500	4.37	.316	5.00	4.04	14	34.070	.0455	34.164	33.981	14
600	4.08	.297	4.69	3.80	14	34.145	.0333	34.209	34.079	14
700	3.88	.212	4.42	3.59	14	34.221	.0303	34.277	34.170	14
800	3.66	.182	4.10	3.44	14	34.286	.0348	34.359	34.240	14
900	3.46	.139	3.82	3.29	14	34.338	.0317	34.398	34.299	14
1000	3.26	.117	3.54	3.09	14	34.378	.0315	34.436	34.344	14
1200	2.86	.090	3.01	2.71	13	34.444	.0322	34.500	34.396	13
1500	2.40	.039	2.46	2.35	9	34.504	.0282	34.546	34.449	9
2000	1.97	.028	1.99	1.95	2	34.595	.0000	34.599	34.591	2
2500	1.72	n/a	n/a	n/a	1	34.644	n/a	n/a	n/a	1
PRESS	SIGMA T					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	25.434	.1415	25.675	25.075	15	255.3	13.46	289.5	232.5	15
10	25.427	.1368	25.651	25.075	15	256.2	13.04	289.7	234.8	15
20	25.427	.1373	25.651	25.074	15	256.3	13.09	289.9	234.9	15
30	25.428	.1370	25.646	25.073	15	256.4	13.08	290.2	235.5	15
50	25.434	.1335	25.656	25.115	15	256.1	12.77	286.6	234.8	15
75	25.517	.1655	26.004	25.357	15	248.5	15.78	263.8	202.2	15
100	25.843	.2940	26.353	25.388	15	218.0	27.94	261.2	169.5	15
125	26.201	.1892	26.465	25.923	15	184.3	17.96	210.8	159.3	15
150	26.432	.1110	26.575	26.193	15	162.7	10.58	185.4	149.1	15
175	26.557	.0781	26.668	26.410	14	151.1	7.51	165.4	140.6	14
200	26.641	.0594	26.728	26.502	14	143.4	5.75	157.0	135.2	14
225	26.690	.0602	26.773	26.551	14	139.0	5.85	152.6	131.1	14
250	26.734	.0553	26.812	26.604	14	135.0	5.38	147.8	127.7	14
300	26.807	.0479	26.873	26.693	14	128.4	4.70	139.8	122.3	14
400	26.931	.0345	26.989	26.854	14	117.2	3.40	125.1	111.8	14
500	27.031	.0379	27.087	26.955	14	108.5	3.76	116.1	103.2	14
600	27.120	.0321	27.176	27.079	14	100.6	3.23	104.8	95.0	14
700	27.202	.0332	27.251	27.142	14	93.4	3.35	99.9	88.7	14
800	27.275	.0347	27.347	27.224	14	87.0	3.45	92.6	80.0	14
900	27.336	.0306	27.401	27.296	14	81.6	3.05	86.2	75.2	14
1000	27.387	.0278	27.444	27.356	14	77.1	2.74	80.3	71.4	14
1200	27.476	.0297	27.525	27.436	13	69.1	2.93	72.9	64.1	13
1500	27.565	.0227	27.595	27.522	9	60.9	2.10	64.9	58.3	9
2000	27.672	.0094	27.677	27.667	2	51.5	.78	52.0	50.9	2
2500	27.730	n/a	n/a	n/a	1	46.5	n/a	n/a	n/a	1
PRESS	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.45	.935	9.21	5.56	15	255.3	13.46	289.5	232.5	15
10	7.47	.937	9.21	5.54	15	256.1	13.01	289.5	234.7	15
20	7.46	.940	9.22	5.54	15	256.0	13.06	289.6	234.7	15
50	7.45	.941	9.22	5.54	15	255.9	13.04	289.7	235.2	15
75	7.44	.927	9.17	5.55	15	255.5	12.68	285.6	234.2	15
100	7.38	.626	7.97	6.65	15	247.4	15.73	262.6	201.1	15
125	7.24	.365	7.94	6.69	15	216.4	27.94	259.6	167.9	15
150	6.96	.311	7.65	6.37	15	182.4	17.96	208.8	157.3	15
175	6.82	.320	7.60	6.14	15	160.4	10.54	183.1	146.8	15
200	6.57	.335	7.41	5.96	14	148.5	7.42	162.4	137.9	14
225	6.30	.337	7.17	5.71	14	140.5	5.62	153.7	132.3	14
250	6.02	.386	6.98	5.39	14	135.9	5.68	149.0	128.0	14
300	5.77	.379	6.71	5.20	14	131.6	5.23	144.0	124.3	14
400	5.31	.385	6.26	4.80	14	124.7	4.52	135.4	118.4	14
500	4.70	.320	5.33	4.32	14	112.9	3.25	120.1	107.4	14
600	4.33	.314	4.96	4.00	14	103.4	3.57	110.5	98.0	14
700	4.04	.254	4.64	4.76	14	94.9	3.02	98.7	89.6	14
800	3.83	.209	4.36	5.54	14	87.1	2.11	92.6	82.4	14
900	3.60	.181	4.04	3.99	14	80.1	2.29	84.9	73.2	14
1000	3.39	.139	3.76	3.22	14	74.2	2.89	78.0	68.1	14
1200	3.19	.117	3.47	3.02	14	69.4	2.63	72.3	64.0	14
1500	2.78	.089	2.93	2.63	13	60.9	2.81	64.7	56.3	13
2000	2.38	.039	2.36	2.25	9	52.4	2.12	56.4	49.5	9
2500	1.83	.028	1.85	1.81	2	42.0	.64	42.5	41.6	2

STATION MP12 FEBRUARY 1956 to 1990

DELTA D

POT. ENERGY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	15	.00	.00	.00	.00	15
10	.256	.0118	.290	.240	15	.01	.000	.01	.01	15
20	.513	.0260	.580	.470	15	.05	.003	.06	.05	15
30	.770	.0378	.870	.710	15	.12	.006	.13	.11	15
50	1.282	.0646	1.450	1.180	15	.33	.017	.37	.30	15
75	1.921	.0910	2.120	1.750	15	.73	.032	.79	.66	15
100	2.505	.1329	2.690	2.190	15	1.25	.079	1.35	1.05	15
125	3.007	.1818	3.250	2.600	15	1.83	.140	2.03	1.52	15
150	3.438	.2077	3.710	2.990	15	2.43	.180	2.68	2.07	15
175	3.851	.2100	4.110	3.360	14	3.09	.201	3.37	2.69	14
200	4.219	.2192	4.480	3.730	14	3.80	.221	4.09	3.39	14
225	4.570	.2256	4.830	4.090	14	4.56	.243	4.88	4.16	14
250	4.912	.2357	5.180	4.430	14	5.39	.268	5.74	5.00	14
300	5.571	.2487	5.860	5.110	14	7.23	.322	7.75	6.81	14
400	6.796	.2758	7.180	6.350	14	11.59	.441	12.44	10.98	14
500	7.925	.2996	8.380	7.510	14	16.77	.581	17.95	15.90	14
600	8.969	.3204	9.480	8.550	14	22.61	.743	24.13	21.47	14
700	9.937	.3317	10.440	9.480	14	29.03	.861	30.48	27.61	14
800	10.839	.3395	11.280	10.350	14	35.93	.979	36.97	34.27	14
900	11.681	.3459	12.050	11.170	14	43.22	1.142	44.51	41.39	14
1000	12.474	.3550	12.860	11.950	14	50.89	1.342	52.48	48.75	14
1200	13.905	.3823	14.390	13.370	13	67.15	1.905	69.61	64.28	13
1500	15.830	.4569	16.460	15.270	9	94.21	2.802	98.00	89.97	13
2000	18.350	.4808	18.690	18.010	2	142.81	4.398	145.92	139.70	2
2500	20.450	n/a	n/a	n/a	1	195.54	n/a	n/a	n/a	1

OXYGEN

SOUND

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.69	n/a	n/a	n/a	1	1477	3.7	1484	1470	15
10	6.70	n/a	n/a	n/a	1	1478	3.7	1484	1470	15
20	6.65	n/a	n/a	n/a	1	1478	3.7	1484	1470	15
30	6.67	n/a	n/a	n/a	1	1478	3.9	1485	1470	15
50	6.69	n/a	n/a	n/a	1	1478	3.6	1485	1471	15
75	6.28	n/a	n/a	n/a	1	1479	2.4	1481	1472	15
100	4.33	n/a	n/a	n/a	1	1479	1.3	1481	1477	15
125	5.91	n/a	n/a	n/a	1	1479	1.3	1482	1477	15
150	5.54	n/a	n/a	n/a	1	1479	1.4	1482	1476	14
175	3.34	n/a	n/a	n/a	1	1479	1.3	1482	1476	14
200	3.04	n/a	n/a	n/a	1	1478	1.4	1482	1476	14
225	2.72	n/a	n/a	n/a	1	1478	1.4	1481	1475	14
250	2.42	n/a	n/a	n/a	1	1477	1.6	1481	1475	14
300	1.90	n/a	n/a	n/a	1	1476	1.7	1480	1474	14
400	1.18	n/a	n/a	n/a	1	1475	1.4	1478	1473	14
500	.77	n/a	n/a	n/a	1	1475	1.4	1478	1474	14
600	.59	n/a	n/a	n/a	1	1476	1.0	1478	1475	14
700	.46	n/a	n/a	n/a	1	1477	.9	1479	1476	14
800	.41	n/a	n/a	n/a	1	1477	.8	1479	1477	14
900	.37	n/a	n/a	n/a	1	1478	.6	1480	1478	14
1000	.40	n/a	n/a	n/a	1	1479	.4	1480	1479	14
1200	.51	n/a	n/a	n/a	1	1481	.5	1482	1480	13
1500	.84	n/a	n/a	n/a	1	1484	.0	1484	1484	13
2000	1.46	n/a	n/a	n/a	1	1491	.0	1491	1491	2
2500	1.95	n/a	n/a	n/a	1	1498	n/a	n/a	n/a	1

DELTA DH

PRESS	MEAN	S.D.	MAX	MIN	N
0	12.474	.3567	12.863	11.948	14
10	12.216	.3513	12.602	11.688	14
20	11.958	.3466	12.344	11.427	14
30	11.700	.3414	12.086	11.166	14
50	11.184	.3334	11.577	10.644	14
75	10.542	.3285	10.941	9.973	14
99	9.953	.2942	10.305	9.455	14
125	9.447	.2561	9.738	9.032	14
150	9.014	.2340	9.282	8.647	14
175	8.623	.2193	8.866	8.282	14
200	8.256	.2085	8.483	7.929	14
225	7.903	.1991	8.119	7.590	14
250	7.561	.1903	7.768	7.263	14
300	6.903	.1763	7.095	6.626	14
400	5.679	.1573	5.888	5.437	14
500	4.549	.1401	4.771	4.342	14
600	3.506	.1226	3.709	3.299	14
700	2.536	.0965	2.690	2.339	14
800	1.634	.0629	1.725	1.498	14
900	.793	.0292	.832	.731	14
1000	.000	.0000	.000	.000	14
1200	-1.457	.0552	-1.357	-1.528	13
1500	-3.421	.1104	-3.259	-3.593	9
2000	-6.172	.1534	-6.063	-6.280	2
2500	-8.501	n/a	n/a	n/a	1

STATION MP12 MARCH 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.72	.633	8.87	6.79	15	32.516	.1017	32.720	32.340	15
10	7.72	.610	8.86	6.76	15	32.514	.0975	32.720	32.349	15
20	7.68	.585	8.81	6.76	15	32.523	.0886	32.720	32.390	15
30	7.67	.578	8.79	6.76	15	32.526	.0862	32.720	32.390	15
50	7.64	.564	8.78	6.76	15	32.531	.0838	32.720	32.397	15
75	7.53	.537	8.73	6.71	15	32.615	.1437	32.970	32.464	15
100	7.23	.409	8.03	6.63	15	33.073	.2822	33.633	32.669	15
125	6.99	.373	7.56	6.37	15	33.503	.1890	33.824	32.150	15
150	6.81	.349	7.43	6.14	15	33.748	.0849	33.936	33.658	15
175	6.62	.331	7.15	5.96	15	33.851	.0694	34.040	33.778	15
200	6.38	.343	6.88	5.71	15	33.893	.0584	34.070	33.839	15
225	6.11	.372	6.68	5.45	15	33.911	.0575	34.080	33.854	15
250	5.86	.387	6.53	5.25	15	33.927	.0561	34.089	33.865	15
300	5.39	.335	5.97	4.92	15	33.959	.0513	34.100	33.890	15
400	4.76	.203	5.19	4.46	14	34.030	.0543	34.154	33.966	14
500	4.35	.189	4.80	4.09	14	34.112	.0688	34.300	34.037	14
600	4.09	.160	4.38	3.43	13	34.175	.0386	34.249	34.117	13
700	3.86	.155	4.20	3.61	13	34.238	.0376	34.318	34.173	13
800	3.64	.125	3.90	3.43	13	34.298	.0361	34.376	34.236	13
900	3.44	.127	3.69	3.23	13	34.352	.0323	34.427	34.306	13
1000	3.26	.121	3.46	3.05	13	34.392	.0295	34.469	34.358	13
1200	2.86	.093	3.00	2.69	12	34.455	.0270	34.518	34.418	12
1500	2.41	.048	2.46	2.33	7	34.514	.0134	34.527	34.491	7
2000	1.92	.028	1.94	1.90	2	34.576	.0376	34.602	34.549	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	SIGMA T					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	25.387	.1527	25.560	25.082	15	259.9	14.51	288.9	243.4	15
10	25.387	.1460	25.560	25.090	15	260.0	13.90	288.3	243.5	15
20	25.399	.1336	25.560	25.149	15	259.1	12.71	282.8	243.7	15
30	25.402	.1298	25.562	25.168	15	258.8	12.36	281.1	243.6	15
50	25.411	.1242	25.569	25.185	15	258.3	11.85	279.9	243.3	15
75	25.493	.1506	25.811	25.210	15	258.0	14.36	277.9	220.6	15
100	25.894	.2359	26.284	25.500	15	213.1	22.40	250.5	176.2	15
125	26.264	.1626	26.441	25.913	15	178.3	15.44	211.7	161.7	15
150	26.481	.0734	26.598	26.352	15	158.0	7.01	170.4	147.1	15
175	26.588	.0585	26.713	26.488	15	148.3	5.59	157.9	136.5	15
200	26.651	.0521	26.768	26.565	15	142.5	5.01	150.8	131.5	15
225	26.700	.0508	26.818	26.614	15	138.0	4.92	146.5	126.9	15
250	26.744	.0516	26.858	26.648	15	134.1	5.00	143.5	123.4	15
300	26.826	.0448	26.913	26.742	15	126.6	4.37	135.0	118.6	15
400	26.956	.0417	27.061	26.903	14	114.9	3.97	120.1	105.0	14
500	27.066	.0569	27.225	27.010	14	105.1	4.40	110.5	90.1	14
600	27.143	.0313	27.200	27.097	13	98.4	3.01	102.9	93.1	13
700	27.217	.0310	27.287	27.168	13	92.0	3.04	96.6	85.3	13
800	27.286	.0297	27.351	27.236	13	85.9	2.84	90.7	79.9	13
900	27.349	.0273	27.406	27.313	13	80.4	2.66	83.8	75.1	13
1000	27.399	.0229	27.455	27.370	13	76.0	2.20	78.7	71.0	13
1200	27.485	.0218	27.530	27.450	12	68.2	2.08	71.7	64.3	12
1500	27.571	.0130	27.587	27.550	12	60.4	1.37	62.5	58.6	12
2000	27.660	.0322	27.683	27.637	2	52.3	3.04	54.4	50.1	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.72	.633	8.87	6.79	15	259.9	14.51	288.9	243.4	15
10	7.72	.610	8.86	6.76	15	259.9	13.90	288.1	243.3	15
20	7.68	.585	8.81	6.76	15	258.7	12.70	282.5	243.3	15
30	7.67	.578	8.79	6.76	15	258.3	12.35	280.6	243.1	15
50	7.63	.561	8.77	6.76	15	257.7	11.79	279.0	242.5	15
75	7.52	.538	8.72	6.70	15	249.7	14.30	276.5	219.5	15
100	7.22	.409	8.02	6.62	15	211.5	22.41	248.9	174.5	15
125	6.98	.374	7.55	6.36	15	155.7	15.43	209.7	159.5	15
150	6.79	.347	7.41	6.13	15	6.98	168.0	144.6	133.7	15
175	6.60	.330	7.13	5.94	15	45.6	5.54	155.0	133.7	15
200	6.37	.342	6.86	5.70	15	139.6	4.94	147.7	128.5	15
225	6.09	.370	6.66	5.43	15	134.9	4.82	143.0	123.6	15
250	5.84	.386	6.51	5.23	15	130.7	4.89	139.7	119.8	15
300	5.37	.334	5.94	4.90	15	122.9	4.25	130.9	114.7	15
400	4.73	.202	5.16	4.43	14	110.5	3.93	115.5	100.6	14
500	4.31	.189	4.76	4.05	14	100.1	5.37	105.3	85.0	14
600	4.05	.157	4.33	3.75	13	92.6	3.94	97.0	87.3	13
700	3.81	.156	4.15	3.56	13	85.6	2.95	90.3	79.0	13
800	3.58	.125	3.84	3.37	13	79.0	2.81	83.8	72.9	13
900	3.38	.123	3.62	3.17	13	73.0	2.57	76.4	67.6	13
1000	3.18	.121	3.39	2.98	12	68.3	2.18	71.0	62.9	13
1200	2.77	.092	2.91	2.61	7	60.0	2.06	63.0	55.7	7
1500	2.31	.048	2.36	2.23	7	51.8	1.28	53.0	50.3	7
2000	1.78	.028	1.80	1.76	2	43.1	3.04	45.0	41.0	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP12 MARCH 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	15	.00	.000	.00	.00	15
10	.261	.0155	.290	.240	15	.01	.000	.01	.01	15
20	.520	.0270	.570	.490	15	.05	.005	.06	.05	15
30	.780	.0409	.860	.730	15	.12	.008	.13	.11	15
50	1.296	.0632	1.420	1.220	15	.33	.016	.36	.31	15
75	1.942	.0922	2.120	1.820	15	.74	.033	.80	.70	15
100	2.522	1.316	2.790	2.360	15	1.26	.073	1.41	1.14	15
125	3.009	1.734	3.310	2.790	15	1.81	.123	2.02	1.62	15
150	3.424	1.950	3.730	3.180	15	2.40	.154	2.67	2.18	15
175	3.807	2.063	4.140	3.560	15	3.03	.175	3.35	2.80	15
200	4.171	2.155	4.520	3.900	15	3.72	.194	4.08	3.47	15
225	4.520	2.234	4.890	4.230	15	4.48	.216	4.89	4.17	15
250	4.860	2.344	5.260	4.540	15	5.31	.240	5.76	4.93	15
300	5.512	2.505	5.950	5.140	15	7.13	.297	7.71	6.61	15
400	6.733	2.814	7.210	6.290	14	11.44	.418	12.20	10.70	14
500	7.833	3.117	8.360	7.340	14	16.49	.589	17.48	15.51	14
600	8.880	3.369	9.430	8.290	14	22.29	.727	23.46	20.87	13
700	9.831	3.586	10.420	9.190	13	28.58	.913	30.03	26.77	13
800	10.719	3.840	11.360	10.910	13	35.37	1.137	37.20	33.04	13
900	11.552	4.095	12.240	10.780	13	42.57	1.366	44.76	39.74	13
1000	12.331	4.254	13.030	11.510	13	50.13	1.570	52.45	46.79	13
1200	13.762	4.751	14.500	12.860	12	66.36	2.032	69.06	61.93	12
1500	15.686	4.255	16.490	15.230	12	93.01	2.292	96.43	90.71	12
2000	18.105	2.050	18.250	17.960	12	140.54	1.902	141.89	139.20	12
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.85	.130	6.98	6.67	4	1479	2.4	1483	1475	15
10	6.87	.168	7.08	6.67	4	1479	2.3	1483	1475	15
20	6.88	.156	7.08	6.70	4	1479	2.3	1483	1475	15
30	6.97	.110	7.08	6.87	4	1479	2.2	1483	1475	15
50	6.90	.138	7.07	6.74	4	1479	2.1	1483	1476	15
75	6.73	.158	6.95	6.59	4	1479	2.1	1484	1476	15
100	5.43	.436	5.94	5.06	4	1479	1.6	1482	1477	15
125	4.70	.282	4.88	4.28	4	1479	1.55	1482	1477	15
150	4.06	.382	4.62	3.77	4	1479	1.55	1482	1476	15
175	3.75	.358	4.26	3.43	4	1479	1.55	1481	1476	15
200	3.55	.180	3.81	3.43	4	1478	1.20	1480	1476	15
225	3.34	.123	3.48	3.21	4	1478	1.6	1480	1475	15
250	3.09	.218	3.41	2.93	4	1477	1.3	1478	1475	15
300	2.34	.123	2.43	2.16	4	1476	1.9	1477	1474	15
400	1.50	.092	1.58	1.40	4	1475	1.9	1477	1474	14
500	1.01	.035	1.03	.97	4	1475	1.6	1477	1474	14
600	.72	.134	.81	.62	4	1476	1.6	1477	1475	13
700	.57	.085	.63	.51	4	1477	1.6	1478	1476	13
800	.46	.057	.50	.42	4	1478	1.7	1479	1477	13
900	.41	.042	.44	.38	2	1478	1.6	1479	1477	13
1000	.38	.049	.41	.34	2	1479	1.7	1479	1477	13
1200	.46	.099	.53	.39	2	1481	1.5	1482	1480	12
1500	.74	.057	.78	.70	2	1484	1.0	1484	1484	12
2000	.97	n/a	n/a	n/a	1	1490	n/a	1490	n/a	0
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.331	4.249	13.029	11.509	13
10	12.069	4.134	12.752	11.265	13
20	11.808	4.029	12.478	10.922	13
30	11.547	3.933	12.206	10.778	13
50	11.029	3.771	11.665	10.291	13
75	10.381	3.596	10.997	9.686	13
100	9.795	3.370	10.343	9.127	13
125	9.304	3.039	9.765	8.684	13
150	8.885	2.815	9.296	8.296	13
175	8.503	2.681	8.889	7.938	13
200	8.139	2.546	8.506	7.606	13
225	7.788	2.421	8.135	7.282	13
250	7.447	2.291	7.772	6.970	13
300	6.794	2.040	7.077	6.368	13
400	5.583	1.688	5.819	5.220	13
500	4.474	1.400	4.669	4.171	13
600	3.451	1.079	3.597	3.214	13
700	2.500	0.799	2.605	2.323	13
800	1.611	0.506	1.677	1.501	13
900	.780	.0235	.811	.728	13
1000	.000	.0000	.000	.000	13
1200	-1.442	.0402	-1.351	-1.495	12
1500	-3.373	.0841	-3.290	-3.502	12
2000	-6.090	1.025	-6.017	-6.162	12
2500	n/a	n/a	n/a	n/a	0

STATION MP12 APRIL 1956 to 1990

TEMPERATURE

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.49	.979	9.20	6.37	13	32.479	.1440	32.650	32.075	13
10	7.46	.905	9.02	6.36	13	32.478	.1427	32.641	32.089	13
20	7.41	.895	9.02	6.36	13	32.512	.0768	32.630	32.369	13
30	7.38	.900	9.01	6.33	13	32.515	.0759	32.630	32.368	13
50	7.29	.883	8.92	6.26	13	32.539	.0642	32.630	32.459	13
75	7.14	.749	8.33	6.00	13	32.616	.1090	32.860	32.476	13
100	6.99	.490	7.86	6.17	13	33.082	.2512	33.578	32.694	13
125	6.82	.308	7.27	6.29	13	33.506	.1575	33.726	33.197	13
150	6.72	.370	7.27	6.03	13	33.731	.1010	33.837	33.505	13
175	6.48	.347	6.91	5.72	13	33.834	.0537	33.909	33.728	13
200	6.19	.299	6.61	5.55	13	33.878	.0535	33.975	33.780	13
225	5.94	.290	6.32	5.40	13	33.895	.0482	33.973	33.787	13
250	5.72	.295	6.08	5.27	13	33.905	.0490	33.973	33.807	13
300	5.26	.334	5.71	4.71	13	33.934	.0449	34.007	33.843	13
400	4.74	.285	5.10	4.15	12	33.997	.0507	34.061	33.883	12
500	4.41	.234	4.62	3.93	12	34.096	.0336	34.144	34.050	12
600	4.15	.150	4.31	3.85	12	34.177	.0217	34.220	34.139	12
700	3.92	.132	4.06	3.63	12	34.244	.0219	34.281	34.208	12
800	3.70	.112	3.86	3.48	12	34.301	.0219	34.332	34.265	12
900	3.47	.086	3.57	3.30	12	34.348	.0156	34.373	34.325	12
1000	2.26	.067	3.35	3.13	12	34.388	.0136	34.408	34.366	12
1200	2.06	.047	2.94	2.77	12	34.448	.0098	34.462	34.434	12
1500	2.39	.033	2.44	2.31	12	34.517	.0137	34.537	34.485	12
2000	1.95	n/a	n/a	n/a	1	34.597	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	25.388	.2180	25.659	24.975	13	259.7	.2071	299.0	234.0	13
10	25.392	.2100	25.652	25.008	13	259.9	.1998	296.1	234.8	13
20	25.426	.1705	25.654	25.136	13	256.5	.1625	284.1	234.7	13
30	25.436	.1694	25.665	25.145	13	255.9	.1615	283.4	233.8	13
50	25.466	.1592	25.673	25.178	13	253.8	.1522	280.6	233.3	13
75	25.546	.1475	25.807	25.275	13	245.8	.1410	271.6	220.8	13
100	25.934	.2086	26.306	25.509	13	209.3	.1981	249.8	174.0	13
125	26.280	.1279	26.514	26.088	13	175.9	.1216	195.0	154.4	13
150	26.480	.0821	26.654	26.349	13	158.2	.780	170.4	141.4	13
175	26.592	.0497	26.724	26.531	13	147.8	.4780	153.7	135.0	13
200	26.664	.0436	26.754	26.616	13	141.1	.4190	145.6	132.3	13
225	26.711	.0360	26.780	26.663	13	137.0	.345	141.3	130.4	13
250	26.745	.0374	26.812	26.698	13	133.9	.359	138.3	127.6	13
300	26.823	.0364	26.899	26.781	13	126.9	.356	131.0	119.5	13
400	26.934	.0336	26.994	26.860	12	117.1	.325	123.8	110.9	12
500	27.047	.0273	27.094	26.993	12	106.9	.2700	112.2	102.1	12
600	27.139	.0206	27.183	27.107	12	98.9	.205	101.9	94.4	12
700	27.216	.0157	27.246	27.197	12	92.2	.153	94.2	89.1	12
800	27.28	.0157	27.308	27.264	12	86.3	.152	88.2	83.7	12
900	27.345	.0095	27.361	27.327	12	81.0	.96	82.5	79.0	12
1000	27.395	.0098	27.416	27.379	12	76.4	.97	78.0	74.4	12
1200	27.480	.0089	27.496	27.464	12	68.7	.87	70.4	67.0	12
1500	27.576	.0112	27.593	27.552	12	59.9	1.04	61.9	58.3	12
2000	27.675	n/a	n/a	n/a	1	51.1	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

THETA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.49	.979	9.20	6.37	13	259.7	.2071	299.0	234.0	13
10	7.46	.905	9.02	6.36	13	259.4	.1998	295.9	234.6	13
20	7.41	.895	9.02	6.36	13	256.2	.1624	283.7	234.4	13
30	7.37	.901	9.01	6.33	13	255.5	.1610	282.8	233.4	13
50	7.28	.881	8.91	6.26	13	252.5	.1513	279.7	232.6	13
75	7.13	.747	8.32	6.00	13	244.7	.1402	270.4	219.8	13
100	6.98	.489	7.85	6.16	13	207.8	.1982	248.2	172.4	13
125	6.81	.308	7.26	6.28	13	174.0	.1216	193.1	152.6	13
150	6.70	.369	7.26	6.02	13	155.9	.777	168.3	139.4	13
175	6.47	.347	6.89	5.71	13	145.2	.471	151.0	132.7	13
200	6.17	.300	6.59	5.53	13	138.4	.413	142.9	129.8	13
225	5.92	.290	6.30	5.38	13	133.9	.340	138.4	127.3	13
250	5.70	.295	6.06	5.25	13	130.6	.351	135.1	124.3	13
300	5.24	.351	5.68	4.69	13	123.2	.342	127.2	116.0	12
400	4.70	.283	5.07	4.12	12	112.7	.1919	119.7	106.9	12
500	4.37	.232	4.58	3.90	12	101.8	.256	106.9	97.4	12
600	4.11	.149	4.27	3.81	12	93.1	.195	96.1	88.9	12
700	3.86	.132	4.01	3.58	12	85.7	.148	87.5	82.9	12
800	3.64	.112	3.80	3.42	12	79.3	.145	81.1	77.0	12
900	3.40	.085	3.51	3.24	12	73.5	.94	75.1	71.9	12
1000	3.19	.065	2.28	2.06	12	68.6	.95	70.1	66.7	12
1200	2.78	.047	2.86	2.69	12	60.5	.82	62.0	59.0	12
1500	2.28	.033	2.34	2.20	11	41.7	1.05	53.5	49.7	11
2000	1.82	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	0
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SVA (THETA)

STATION MP12 APRIL 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	13	.00	.00	.00	.00	13
10	.262	.0203	.300	.230	13	.01	.003	.02	.01	13
20	.519	.0366	.580	.470	13	.05	.005	.06	.05	13
30	.775	.0536	.860	.700	13	.12	.008	.13	.11	13
50	1.286	.0833	1.420	1.170	13	.33	.021	.36	.30	13
75	1.915	.1181	2.100	1.750	13	.73	.045	.80	.67	13
100	2.482	.1444	2.720	2.270	13	1.23	.072	1.37	1.10	13
125	2.965	.1735	2.250	2.690	13	1.79	.108	2.00	1.58	13
150	3.380	.1944	3.740	3.080	13	2.37	.140	2.64	2.13	13
175	3.763	.2056	4.150	3.450	13	3.00	.162	3.32	2.74	13
200	4.124	.2113	4.520	3.810	13	3.69	.172	4.02	3.40	13
225	4.469	.2147	4.870	4.150	13	4.44	.186	4.79	4.11	13
250	4.808	.2188	5.220	4.480	13	5.26	.199	5.63	4.89	13
300	5.461	.2281	5.890	5.100	13	7.08	.233	7.50	6.65	13
400	6.711	.2293	7.130	6.370	13	11.47	.277	11.93	11.00	12
500	7.831	.2528	8.260	7.430	13	16.60	.380	17.13	15.89	12
600	8.857	.2719	9.310	8.410	13	22.36	.499	23.13	21.38	12
700	9.813	.2867	10.280	9.330	13	28.68	.604	29.60	27.45	12
800	10.706	.2971	11.180	10.200	13	35.51	.688	36.57	34.11	12
900	11.540	.3086	12.030	11.010	13	42.74	.790	43.89	41.09	12
1000	12.327	.3154	12.830	11.780	13	50.35	.857	51.58	48.56	12
1200	13.775	.3296	14.290	13.190	13	66.58	1.032	67.92	64.41	12
1500	15.703	.3529	16.230	15.070	13	93.04	1.377	94.92	90.12	12
2000	18.540	n/a	n/a	n/a	1	142.76	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1477	3.8	1484	1473	13
10	n/a	n/a	n/a	n/a	0	1478	3.4	1484	1473	13
20	n/a	n/a	n/a	n/a	0	1478	4.4	1484	1474	13
30	n/a	n/a	n/a	n/a	0	1478	4.4	1484	1474	13
50	n/a	n/a	n/a	n/a	0	1478	4.4	1484	1474	13
75	n/a	n/a	n/a	n/a	0	1478	4.4	1483	1473	13
100	n/a	n/a	n/a	n/a	0	1478	4.0	1483	1473	13
125	n/a	n/a	n/a	n/a	0	1478	4.2	1480	1476	13
150	n/a	n/a	n/a	n/a	0	1479	1.5	1481	1476	13
175	n/a	n/a	n/a	n/a	0	1478	1.6	1480	1475	13
200	n/a	n/a	n/a	n/a	0	1478	1.2	1479	1475	13
225	n/a	n/a	n/a	n/a	0	1477	1.2	1479	1475	13
250	n/a	n/a	n/a	n/a	0	1477	1.3	1478	1475	13
300	n/a	n/a	n/a	n/a	0	1476	1.3	1477	1473	13
400	n/a	n/a	n/a	n/a	0	1475	1.0	1477	1473	12
500	n/a	n/a	n/a	n/a	0	1475	1.0	1476	1473	12
600	n/a	n/a	n/a	n/a	0	1476	.88	1477	1476	13
700	n/a	n/a	n/a	n/a	0	1477	.88	1478	1476	13
800	n/a	n/a	n/a	n/a	0	1478	.55	1478	1477	12
900	n/a	n/a	n/a	n/a	0	1479	.55	1480	1479	12
1000	n/a	n/a	n/a	n/a	0	1481	.60	1481	1481	12
1200	n/a	n/a	n/a	n/a	0	1484	.60	1484	1484	12
1500	n/a	n/a	n/a	n/a	0	1491	n/a	n/a	n/a	0
2000	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.327	.3153	12.825	11.778	12
10	12.065	.2997	12.543	11.540	12
20	11.804	.2859	12.261	11.299	13
30	11.545	.2727	11.981	11.064	13
50	11.032	.2489	11.425	10.589	13
75	10.399	.2197	10.743	9.996	13
100	9.832	.1864	10.101	9.454	13
125	9.347	.1550	9.572	9.023	13
150	8.927	.1393	9.143	8.625	13
175	8.541	.1334	8.757	8.248	13
200	8.179	.1322	8.397	7.887	13
225	7.830	.1301	8.045	7.539	13
250	7.491	.1273	7.700	7.208	13
300	6.838	.1195	7.027	6.579	13
400	5.617	.0986	5.772	5.411	13
500	4.497	.0740	4.606	4.345	12
600	3.469	.0513	3.530	3.364	12
700	2.514	.0347	2.552	2.449	12
800	1.621	.0222	1.652	1.577	13
900	.786	.0091	.803	.770	12
1000	.000	.0000	.000	.000	12
1200	-1.447	.0190	-1.414	-1.473	13
1500	-3.374	.0429	-3.287	-3.433	12
2000	-6.147	n/a	n/a	n/a	11
2500	n/a	n/a	n/a	n/a	0

STATION MP12 M A Y 1956 to 1990

TEMPERATURE

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	9.02	1.011	11.10	7.54	37	32.494	.1347	32.652	31.920	37
10	8.86	.958	11.09	7.33	37	32.488	.1203	32.650	32.019	37
20	8.69	.978	10.72	6.68	37	32.502	.0923	32.650	32.298	37
30	8.46	.898	10.16	6.43	37	32.511	.0830	32.650	32.312	37
50	7.90	.796	9.41	6.37	37	32.567	.1240	33.141	32.336	37
75	7.45	.716	8.70	6.14	37	32.674	.2315	33.770	32.407	37
100	7.06	.537	8.23	6.04	37	32.957	.2740	33.839	32.549	37
125	6.80	.427	8.03	6.06	37	33.372	.2238	33.877	32.904	37
150	6.71	.402	7.81	6.07	37	33.662	.1346	33.905	33.387	37
175	6.55	.369	7.61	5.83	37	33.810	.0636	33.932	33.669	37
200	6.31	.385	7.41	5.51	37	33.870	.0442	33.960	33.798	37
225	6.03	.404	7.30	5.30	37	33.887	.0424	33.980	33.800	37
250	5.75	.424	7.22	4.98	37	33.898	.0398	33.988	33.817	37
300	5.25	.451	7.01	4.50	37	33.919	.0349	33.990	33.858	37
400	4.65	.387	6.20	4.06	37	33.991	.0335	34.076	33.906	37
500	4.29	.275	5.33	3.87	36	34.076	.0326	34.128	33.977	36
600	4.01	.192	4.70	3.74	36	34.155	.0329	34.216	34.055	36
700	3.80	.139	4.15	3.58	36	34.224	.0271	34.273	34.162	36
800	3.61	.126	3.84	3.38	36	34.286	.0261	34.335	34.214	36
900	3.43	.116	3.72	3.27	36	34.341	.0205	34.373	34.297	36
1000	3.23	.096	3.46	3.06	36	34.383	.0183	34.411	34.340	36
1200	2.87	.078	3.07	2.69	34	34.446	.0160	34.478	34.405	34
1500	2.41	.058	2.55	2.29	23	34.515	.0171	34.537	34.460	23
2000	1.94	.020	1.96	1.92	3	34.594	.0081	34.600	34.588	3
2500	1.74	.000	1.74	1.74	2	34.634	.0000	34.637	34.631	2

SIGMA T

SVA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	25.173	.2086	25.504	24.607	37	280.2	19.85	334.1	248.7	37
10	25.195	.1969	25.512	24.758	37	278.3	18.75	319.9	248.1	37
20	25.230	.1810	25.581	24.822	37	275.1	17.25	314.0	241.7	37
30	25.273	.1548	25.621	24.973	37	271.2	14.77	299.8	238.0	37
50	25.400	.1480	25.751	25.176	37	259.3	14.12	280.7	226.0	37
75	25.548	.1950	26.269	25.224	37	245.6	18.55	276.5	177.4	37
100	25.825	.1985	26.350	25.506	37	219.6	18.83	250.0	170.0	37
125	26.186	.1522	26.527	25.858	37	185.7	14.39	216.6	153.3	37
150	26.426	.0997	26.594	26.142	37	163.2	9.45	190.4	147.3	37
175	26.564	.0591	26.683	26.415	37	150.4	5.68	164.6	139.1	37
200	26.642	.0430	26.721	26.541	37	143.3	4.19	153.0	135.6	37
225	26.692	.0399	26.766	26.577	37	138.8	3.92	150.3	131.4	37
250	26.735	.0400	26.803	26.593	37	134.9	3.98	149.1	128.2	37
300	26.811	.0433	26.903	26.636	37	127.9	4.36	145.6	118.7	37
400	26.937	.0422	27.024	26.775	37	116.6	4.28	133.3	107.9	37
500	27.044	.0377	27.112	26.893	36	107.1	3.80	122.5	100.3	36
600	27.136	.0351	27.202	27.011	36	99.0	3.47	111.6	92.4	36
700	27.212	.0279	27.261	27.146	36	92.3	2.77	99.1	87.5	36
800	27.280	.0266	27.336	27.217	36	86.4	2.65	92.4	80.9	36
900	27.341	.0213	27.371	27.283	36	81.1	2.16	87.2	78.0	36
1000	27.394	.0191	27.427	27.338	36	76.5	1.94	82.1	72.9	34
1200	27.477	.0151	27.504	27.432	34	69.0	1.55	73.6	66.0	34
1500	27.573	.0146	27.591	27.529	23	60.2	1.47	64.3	58.4	23
2000	27.674	.0065	27.680	27.669	3	51.1	.55	51.5	50.5	2
2500	27.720	.0000	27.723	27.718	2	47.5	.28	47.7	47.3	2

THETA

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	9.02	1.011	11.10	7.54	37	280.2	19.85	334.1	248.7	37
10	8.86	.958	11.09	7.33	37	278.1	18.74	319.7	247.9	37
20	8.69	.978	10.72	6.68	37	274.7	17.21	313.6	241.4	37
50	8.46	.898	10.16	6.43	37	270.7	14.72	299.2	237.6	37
75	7.89	.794	9.40	6.36	37	258.5	14.07	279.8	225.1	37
100	7.44	.715	8.69	6.13	37	244.5	18.54	275.2	175.9	37
125	7.05	.537	8.22	6.03	37	218.1	18.87	248.5	168.2	37
150	6.79	.427	8.02	6.05	37	183.8	14.45	214.9	151.4	37
175	6.70	.401	7.79	5.85	37	160.9	9.46	187.9	145.1	37
200	6.53	.369	7.60	5.82	37	147.8	5.60	161.9	136.6	37
225	6.30	.383	7.39	5.50	37	140.4	4.07	150.0	133.0	37
250	6.01	.403	7.28	5.28	37	135.7	3.77	146.5	128.6	37
300	5.73	.424	7.20	4.96	37	131.6	3.77	144.9	125.1	37
400	5.23	.449	6.98	4.47	37	124.3	4.08	140.8	115.6	37
500	4.62	.385	6.16	4.03	37	112.3	3.98	127.6	104.1	37
600	4.25	.274	5.29	3.83	36	102.2	3.56	116.3	95.7	36
700	3.97	.191	4.65	3.70	36	93.3	3.30	105.1	87.1	36
800	3.75	.139	4.10	3.53	36	86.1	2.63	92.3	81.5	36
900	3.55	.125	3.78	3.32	36	79.6	2.52	85.6	74.3	36
1000	3.37	.116	3.66	3.20	36	73.8	2.01	79.3	71.0	36
1200	2.78	.077	2.98	2.61	34	68.7	1.79	73.9	65.6	34
1500	2.30	.058	2.44	2.19	23	60.8	1.42	65.0	58.4	23
2000	1.80	.015	1.82	1.79	3	51.6	1.40	55.8	49.9	23
2500	1.56	.000	1.56	1.56	2	37.2	.35	37.4	36.9	2

STATION MP12 M A Y 1956 to 1990

DELTA D

POT. ENERGY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	37	.00	.00	.00	.00	37
10	.280	.0191	.330	.250	37	.01	.004	.02	.01	37
20	.558	.0371	.640	.500	37	.06	.005	.07	.05	37
30	.831	.0521	.950	.740	37	.13	.008	.14	.11	37
50	1.364	.0744	1.520	1.220	37	.34	.017	.38	.31	37
75	1.997	.0979	2.210	1.810	37	.75	.040	.83	.66	37
100	2.578	.1210	2.920	2.350	37	1.26	.071	1.37	1.04	37
125	3.084	.1405	3.320	2.770	37	1.85	.108	2.02	1.52	37
150	3.517	.1567	3.790	3.180	37	2.45	.139	2.72	2.09	37
175	3.908	.1696	4.240	3.540	37	3.10	.162	3.46	2.69	37
200	4.274	.1775	4.640	3.880	37	3.80	.176	4.22	3.35	37
225	4.628	.1808	5.010	4.220	37	4.56	.187	5.03	4.08	37
250	4.968	.1854	5.370	4.540	37	5.39	.199	5.90	4.86	37
300	5.629	.1927	6.060	5.170	37	7.23	.230	7.83	6.63	37
400	6.845	.2110	7.310	6.370	36	11.58	.336	12.30	10.88	37
500	7.963	.2362	8.460	7.470	36	16.69	.497	18.16	15.77	36
600	8.992	.2569	9.500	8.480	36	22.46	.675	24.71	21.17	36
700	9.948	.2773	10.470	9.390	36	28.79	.861	31.70	27.18	36
800	10.842	.2972	11.370	10.240	36	35.62	1.053	39.02	33.65	36
900	11.680	.3146	12.250	11.040	36	42.87	1.241	46.73	40.49	36
1000	12.466	.3309	13.100	11.820	36	50.50	1.426	54.89	47.76	36
1200	13.893	.3512	14.660	13.210	34	66.57	1.591	70.92	63.24	34
1500	15.812	.4142	16.700	15.090	33	93.14	2.330	98.97	89.08	23
2000	18.673	.4557	18.810	18.520	33	142.17	.670	142.68	141.41	33
2500	21.100	.1556	21.210	20.990	2	199.23	1.513	200.30	198.16	2

OXYGEN

SOUND

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	7.09	.225	7.39	6.86	4	1483	3.8	1491	1478	37
10	7.12	.219	7.33	6.87	4	1483	3.6	1491	1477	37
20	7.12	.201	7.38	6.91	4	1483	3.4	1490	1475	37
30	7.19	.302	7.62	6.93	4	1482	2.2	1488	1474	37
50	7.11	.184	7.31	6.90	4	1480	2.2	1486	1474	37
75	6.80	.145	6.98	6.63	4	1479	2.0	1484	1474	37
100	6.03	.260	6.34	5.72	4	1478	2.0	1484	1475	37
125	5.10	.401	5.54	4.75	4	1478	1.7	1483	1476	37
150	4.46	.440	4.85	3.92	4	1479	1.5	1483	1476	37
175	4.07	.373	4.47	3.58	4	1479	1.6	1483	1475	37
200	3.85	.418	4.21	3.27	4	1478	1.7	1483	1474	37
225	3.49	.458	3.89	2.94	4	1477	1.8	1483	1473	37
250	3.14	.492	3.59	2.62	4	1477	1.9	1483	1472	37
300	2.51	.402	2.85	2.03	4	1475	1.7	1481	1472	37
400	1.52	.186	1.73	1.34	4	1475	1.2	1479	1473	36
500	1.01	.130	1.19	.90	4	1475	0.8	1478	1474	36
600	.82	.159	1.05	.71	4	1476	0.6	1478	1475	36
700	.59	.153	.74	.42	4	1476	0.5	1478	1476	36
800	.46	.142	.63	.33	4	1477	0.4	1478	1476	36
900	.42	.162	.51	.32	4	1478	0.4	1480	1478	36
1000	.41	.087	.51	.33	4	1479	0.4	1480	1478	36
1200	.51	.097	.62	.41	4	1481	0.4	1482	1480	34
1500	.86	.066	.94	.80	4	1484	0.6	1485	1484	23
2000	1.44	n/a	n/a	n/a	1	1490	0.6	1491	1490	2
2500	1.99	n/a	n/a	n/a	1	1498	0	1498	1498	2

DELTA DH

PRESS	MEAN	S.D.	MAX	MIN	N
0	12.467	.3313	13.096	11.817	36
10	12.187	.3249	12.822	11.569	36
20	11.911	.3188	12.548	11.285	36
30	11.638	.3115	12.273	11.019	36
50	11.105	.2987	11.718	10.502	36
75	10.471	.2886	11.136	9.943	36
100	9.889	.2822	10.703	9.428	36
125	9.381	.2759	10.285	8.905	36
150	8.948	.2672	9.879	8.460	36
175	8.557	.2573	9.482	8.073	36
200	8.191	.2487	9.095	7.714	36
225	7.839	.2408	8.717	7.369	36
250	7.497	.2321	8.343	7.037	36
300	6.840	.2129	7.604	6.417	36
400	5.621	.1715	6.200	5.296	36
500	4.504	.1334	4.917	4.259	36
600	3.474	.1006	3.747	3.295	36
700	2.519	.0711	2.692	2.387	36
800	1.625	.0438	1.738	1.540	36
900	.787	.0208	.843	.751	36
1000	.000	.0000	.000	.000	36
1200	-1.446	.0360	-1.381	-1.565	34
1500	-3.384	.0799	-3.262	-3.607	23
2000	-6.150	.0141	-6.135	-6.163	23
2500	-8.648	.0538	-8.610	-8.686	2

STATION MP12 J U N E 1956 to 1990

PRESS	TEMPERATURE					SALINITY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.02	1.186	14.70	10.20	19	32.382	.1775	32.580	31.945	19
10	11.77	.903	12.90	9.99	19	32.407	.1604	32.590	31.941	19
20	11.48	.884	12.84	9.71	19	32.422	.1490	32.590	31.945	19
30	10.72	.969	12.78	9.95	19	32.463	.1512	32.630	31.997	19
50	8.65	.863	10.02	6.95	19	32.549	.0810	32.777	32.445	19
75	7.69	.739	9.11	6.38	19	32.631	.0878	32.790	32.480	19
100	7.17	.591	8.55	6.46	19	32.865	.1800	33.202	32.574	19
125	6.83	.571	7.40	6.34	19	33.268	.1473	33.514	33.041	19
150	6.71	.547	7.34	6.16	19	33.605	.0871	33.740	33.422	19
175	6.55	.558	7.21	5.97	19	33.779	.0607	33.879	33.627	19
200	6.34	.550	6.92	5.67	19	33.852	.0491	33.950	33.761	19
225	6.07	.530	6.65	5.46	19	33.874	.0386	33.940	33.814	19
250	5.77	.510	6.41	5.17	19	33.885	.0361	33.940	33.820	19
300	5.23	.291	5.83	4.68	19	33.901	.0349	33.950	33.820	19
400	4.59	.227	5.22	4.25	17	33.979	.0360	34.057	33.906	17
500	4.30	.215	4.63	4.00	17	34.067	.0329	34.110	34.009	17
600	4.04	.153	4.32	3.76	17	34.163	.0498	34.325	34.110	17
700	3.82	.126	4.04	3.61	17	34.230	.0383	34.337	34.159	17
800	3.58	.099	3.87	3.45	17	34.286	.0269	34.347	34.244	17
900	3.41	.0999	3.65	3.26	17	34.336	.0221	34.373	34.290	17
1000	3.25	.068	3.41	3.15	17	34.380	.0219	34.410	34.337	17
1200	2.87	.069	2.99	2.74	17	34.444	.0207	34.485	34.404	17
1500	2.41	.054	2.50	2.35	14	34.510	.0215	34.567	34.471	14
2000	1.97	n/a	n/a	n/a	1	34.600	n/a	n/a	n/a	0
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	SIGMA T					SVA				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.571	.2912	24.919	23.784	19	337.5	27.75	412.5	304.3	19
10	24.640	.2091	24.945	24.296	19	331.2	19.93	364.0	302.0	19
20	24.705	.1985	24.982	24.301	19	325.4	18.94	363.7	298.7	19
30	24.869	.2144	25.139	24.361	19	309.7	20.47	358.2	284.0	19
50	25.274	.1319	25.476	25.029	19	271.4	12.59	294.8	252.1	19
75	25.480	.1290	25.727	25.154	19	252.1	12.35	283.3	228.5	19
100	25.738	.1832	26.085	25.313	19	227.9	17.47	268.5	194.8	19
125	26.101	.1367	26.329	25.923	19	193.7	13.02	210.8	172.0	19
150	26.382	.0899	26.512	26.189	19	167.4	8.61	185.8	154.9	19
175	26.540	.0673	26.634	26.360	19	152.8	6.47	169.9	143.6	19
200	26.625	.0478	26.694	26.502	19	144.9	4.64	156.8	138.2	19
225	26.676	.0408	26.741	26.575	19	140.3	3.97	150.1	133.8	19
250	26.723	.0374	26.790	26.652	19	136.0	3.66	142.9	129.4	19
300	26.801	.0336	26.864	26.719	19	128.9	3.29	137.0	122.7	19
400	26.934	.0301	26.983	26.868	17	116.8	2.94	123.7	112.4	17
500	27.036	.0271	27.079	26.962	17	107.8	2.69	115.2	103.6	17
600	27.140	.0410	27.268	27.071	17	98.6	3.92	105.5	86.6	17
700	27.215	.0336	27.303	27.136	17	92.1	3.26	99.9	83.8	17
800	27.283	.0260	27.333	27.225	17	86.1	2.55	92.0	81.4	17
900	27.340	.0228	27.376	27.290	17	81.2	2.28	86.4	77.7	17
1000	27.390	.0207	27.415	27.341	17	76.8	2.06	81.8	74.4	17
1200	27.476	.0196	27.520	27.445	17	69.1	1.90	71.9	64.6	17
1500	27.568	.0191	27.618	27.543	14	60.7	1.86	62.8	55.9	14
2000	27.676	n/a	n/a	n/a	1	51.1	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	THETA					SVA (THETA)				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	12.02	1.186	14.70	10.20	19	337.5	27.75	412.5	304.3	19
10	11.77	.903	12.90	9.99	19	330.9	19.92	363.7	301.8	19
20	11.48	.884	12.84	9.71	19	324.7	18.91	363.2	298.3	19
30	10.72	.969	12.78	9.95	19	309.1	20.42	357.5	283.4	19
50	8.65	.861	10.01	6.95	19	270.5	12.55	293.8	251.3	19
75	7.69	.738	9.10	6.38	19	250.9	12.26	281.9	227.5	19
100	7.16	.591	8.54	6.45	19	226.4	17.41	266.7	193.4	19
125	6.82	.571	7.39	6.33	19	191.9	13.00	208.8	170.2	19
150	6.70	.347	7.33	6.15	19	165.1	8.53	183.5	152.8	19
175	6.53	.357	7.19	5.95	19	150.2	6.39	167.2	141.2	19
200	6.32	.351	6.91	5.65	19	142.0	4.53	153.7	135.5	19
225	6.05	.29	6.63	5.44	19	137.2	3.85	146.7	131.0	19
250	5.75	.310	6.39	5.15	19	132.7	3.53	139.4	126.4	19
300	5.20	.291	5.81	4.65	19	125.3	3.16	133.0	119.3	19
400	4.56	.227	5.19	4.22	17	112.6	2.86	118.9	108.0	17
500	4.26	.215	4.59	3.96	17	102.8	2.58	109.9	98.8	17
600	3.99	.154	4.27	3.71	17	93.0	2.90	99.5	80.8	17
700	3.77	.125	3.99	3.56	17	85.8	3.20	93.3	77.4	17
800	3.52	.098	3.81	3.39	17	79.3	2.46	84.7	74.6	17
900	3.35	.101	3.59	3.19	17	73.9	2.15	78.6	70.5	17
1000	3.18	.066	3.33	3.08	17	69.1	1.96	73.7	66.5	17
1200	2.78	.068	2.91	2.66	17	60.9	1.81	63.8	56.7	17
1500	2.31	.054	2.40	2.25	14	52.1	1.80	54.5	47.3	14
2000	1.83	n/a	n/a	n/a	1	41.6	n/a	n/a	n/a	0
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP12 J U N E 1956 to 1990

DELTA D						POT. ENERGY				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	19	.00	.00	.00	.00	19
10	.337	.0226	.380	.310	19	.02	.00	.02	.02	19
20	.665	.0406	.730	.510	19	.07	.006	.08	.06	19
30	.983	.0573	1.100	.900	19	.15	.008	.17	.14	19
50	1.564	.0724	1.730	1.450	19	.39	.020	.43	.36	19
75	2.215	.0890	2.410	2.070	19	.80	.034	.88	.75	19
100	2.813	.1131	3.690	2.650	19	1.33	.061	1.49	1.23	19
125	3.339	.1401	3.690	1.40	19	1.94	.096	2.16	1.75	19
150	3.788	.1623	4.170	2.560	19	2.56	.131	2.84	2.32	19
175	4.186	.1753	4.580	2.940	19	3.22	.155	3.52	2.94	19
200	4.557	.1843	4.950	4.300	19	3.93	.173	4.25	3.62	19
225	4.913	.1892	5.300	4.650	19	4.70	.189	5.08	4.37	19
250	5.259	.1945	5.640	4.980	19	5.54	.205	5.97	5.19	19
300	5.919	.2058	6.290	5.610	19	7.39	.245	7.89	7.01	19
400	7.183	.2016	7.540	6.850	17	11.81	.290	12.38	11.37	17
500	8.305	.2183	8.690	7.950	17	16.95	.390	17.78	16.42	17
600	9.336	.2356	9.750	8.960	17	22.73	.516	23.97	22.11	17
700	10.290	.2521	10.740	9.900	17	29.04	.691	30.75	28.21	17
800	11.181	.2702	11.660	10.770	17	35.84	.891	38.11	34.53	17
900	12.016	.2854	12.550	11.600	17	43.09	1.074	45.83	41.50	17
1000	12.806	.2982	13.380	12.380	17	50.73	1.245	53.94	49.14	17
1200	14.262	.3256	14.920	13.800	17	57.03	1.606	71.16	64.67	17
1500	16.264	.3702	16.910	15.580	14	93.91	2.362	98.48	89.20	14
2000	18.800	n/a	n/a	n/a	0	142.00	n/a	n/a	n/a	0
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

OXYGEN						SOUND				
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.69	n/a	n/a	n/a	1	1494	4.1	1503	1488	19
10	6.98	n/a	n/a	n/a	1	1494	3.3	1498	1487	19
20	6.99	n/a	n/a	n/a	1	1493	3.1	1497	1486	19
30	7.04	n/a	n/a	n/a	1	1490	3.3	1497	1484	19
50	7.17	n/a	n/a	n/a	1	1483	3.4	1488	1476	19
75	6.57	n/a	n/a	n/a	1	1480	2.8	1485	1475	19
100	5.50	n/a	n/a	n/a	1	1478	2.2	1483	1476	19
125	4.72	n/a	n/a	n/a	1	1478	1.4	1480	1476	19
150	4.30	n/a	n/a	n/a	1	1478	1.5	1481	1476	19
175	4.06	n/a	n/a	n/a	1	1478	1.5	1481	1476	19
200	3.80	n/a	n/a	n/a	1	1478	1.6	1481	1475	19
225	3.49	n/a	n/a	n/a	1	1478	1.5	1480	1475	19
250	2.23	n/a	n/a	n/a	1	1477	1.3	1479	1474	19
300	2.95	n/a	n/a	n/a	1	1475	1.3	1478	1473	19
400	1.66	n/a	n/a	n/a	1	1474	1.1	1477	1473	17
500	1.19	n/a	n/a	n/a	1	1475	.9	1476	1474	17
600	.70	n/a	n/a	n/a	1	1476	.8	1477	1474	17
700	.55	n/a	n/a	n/a	1	1477	.5	1477	1476	17
800	.45	n/a	n/a	n/a	1	1477	.4	1478	1477	17
900	.44	n/a	n/a	n/a	1	1478	.4	1479	1478	17
1000	.44	n/a	n/a	n/a	1	1479	.3	1480	1479	17
1200	.52	n/a	n/a	n/a	0	1481	.4	1482	1480	17
1500	n/a	n/a	n/a	n/a	0	1484	.0	1484	1484	14
2000	n/a	n/a	n/a	n/a	0	1491	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

DELTA DH					
PRESS	MEAN	S.D.	MAX	MIN	N
0	12.806	.2994	13.384	12.376	17
10	12.470	.2956	13.052	12.062	17
20	12.140	.2916	12.727	11.752	17
30	11.820	.2836	12.410	11.438	17
50	11.237	.2687	11.806	10.876	17
75	10.581	.2551	11.131	10.247	17
100	9.979	.2371	10.539	9.703	17
125	9.447	.2225	10.017	9.190	17
150	8.993	.2129	9.562	8.749	17
175	8.592	.2045	9.147	8.358	17
200	8.219	.1980	8.757	7.988	17
225	8.662	.1921	8.383	7.628	17
250	7.515	.1870	8.021	7.271	17
300	6.851	.1772	7.324	6.583	17
400	5.623	.1489	6.012	5.372	17
500	4.501	.1269	4.822	4.254	17
600	3.470	.1012	3.717	3.274	17
700	2.516	.0699	2.693	2.414	17
800	1.626	.0429	1.729	1.558	17
900	.790	.0212	.839	.760	17
1000	-1.000	.0000	-1.000	-1.000	17
1200	-1.454	.0399	-1.387	-1.537	17
1500	-3.400	.0974	-3.174	-3.557	14
2000	-6.115	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0

STATION MP12 J U L Y 1956 to 1990

TEMPERATURE

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	13.38	1.182	15.58	11.80	13	32.373	.1510	32.550	32.156	13
10	13.19	1.244	15.58	11.80	13	32.370	.1478	32.553	32.160	13
20	12.66	1.467	15.54	10.70	13	32.416	.1205	32.561	32.165	13
30	11.32	1.462	14.54	9.65	13	32.454	.1144	32.640	32.264	13
50	8.80	.893	10.31	6.85	13	32.556	.0810	32.699	32.428	13
75	7.79	.611	8.53	6.39	13	32.727	.1434	32.012	32.541	13
100	7.34	.501	8.18	6.46	13	32.035	.2910	32.514	32.645	13
125	7.08	.497	8.24	6.47	12	32.484	.1688	32.768	33.173	12
150	6.88	.504	8.14	6.25	12	32.730	.0858	32.838	33.513	12
175	6.65	.488	7.86	6.01	12	32.821	.0435	32.878	33.720	12
200	6.38	.520	7.69	5.68	12	32.896	.0281	32.916	33.815	12
225	6.14	.516	7.45	5.40	12	32.913	.0323	32.962	33.829	12
250	5.88	.481	7.06	5.17	12	32.942	.0376	32.986	33.837	12
300	5.47	.448	6.56	4.81	12	33.991	.0430	34.054	33.938	12
400	4.79	.355	5.54	4.19	12	34.077	.0388	34.139	34.013	12
500	4.41	.251	4.79	4.05	12	34.155	.0302	34.201	34.103	12
600	4.11	.177	4.37	3.85	12	34.221	.0233	34.248	34.179	12
700	3.86	.133	4.05	3.64	12	34.278	.0228	34.304	34.236	12
800	3.62	.106	3.82	3.50	12	34.332	.0178	34.354	34.296	12
900	3.43	.083	3.54	3.32	12	34.374	.0160	34.395	34.339	12
1000	3.24	.065	3.34	3.12	12	34.436	.0114	34.457	34.418	10
1200	2.86	.035	2.91	2.80	10	34.500	.0191	34.518	34.460	7
1500	2.40	.031	2.44	2.35	7	34.600	n/a	n/a	n/a	1
2000	1.89	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	0
2500	n/a	n/a	n/a	n/a	0					0

SIGMA T

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.302	.2224	24.684	23.980	13	363.2	.21.20	393.8	326.7	13
10	24.337	.2192	24.685	23.981	13	360.1	.20.90	394.0	326.9	13
20	24.473	.2745	24.897	23.999	13	367.3	.26.21	392.6	306.8	13
30	24.751	.2649	25.158	24.276	13	371.0	.25.30	366.5	282.2	13
50	25.257	.1423	25.480	24.963	13	373.0	.13.61	301.1	251.6	13
75	25.542	.1447	25.741	25.365	13	374.2	.13.81	263.2	227.2	13
100	25.848	.2215	26.180	25.541	13	377.4	.21.02	246.7	185.9	13
125	26.235	.1046	26.495	26.053	12	381.1	.9.90	198.2	164.9	12
150	26.456	.0773	26.564	26.333	12	380.4	.7.43	172.0	150.2	12
175	26.559	.0608	26.650	26.432	12	381.0	.5.90	163.4	142.2	12
200	26.636	.0610	26.729	26.480	12	383.9	.5.98	159.2	134.9	12
225	26.684	.0599	26.760	26.522	12	385.6	.5.92	155.6	132.1	12
250	26.730	.0528	26.789	26.584	12	385.4	.5.24	149.9	129.6	12
300	26.803	.0463	26.853	26.669	12	388.8	.4.66	142.3	123.8	12
400	26.922	.0417	26.980	26.813	12	398.2	.4.15	129.1	112.5	12
500	27.032	.0343	27.067	26.940	12	408.4	.3.40	117.5	105.0	12
600	27.125	.0269	27.158	27.057	12	409.1	.2.66	106.9	96.9	12
700	27.204	.0218	27.234	27.153	12	409.1	.2.17	98.7	90.2	12
800	27.273	.0212	27.302	27.227	12	407.1	.2.12	91.7	84.3	12
900	27.335	.0189	27.362	27.295	12	401.7	.1.91	85.6	78.9	12
1000	27.386	.0170	27.414	27.349	12	407.2	.1.74	80.9	74.3	12
1200	27.470	.0092	27.483	27.457	10	409.6	.1.81	70.8	68.3	10
1500	27.561	.0129	27.574	27.534	7	411.3	.1.14	63.6	60.2	7
2000	27.682	n/a	n/a	n/a	1	50.1	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

THETA

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	13.38	1.182	15.58	11.80	13	363.2	.21.20	393.8	326.7	13
10	13.19	1.244	15.58	11.80	13	359.8	.20.88	393.7	326.7	13
20	12.66	1.469	15.54	10.69	13	346.8	.26.15	391.9	306.4	13
30	11.32	1.463	14.54	9.65	13	320.3	.25.22	365.6	281.6	13
50	8.79	.890	10.30	6.85	13	327.1	.13.55	300.1	250.9	13
75	7.78	.612	8.53	6.38	13	345.0	.13.76	261.9	226.1	13
100	7.33	.501	8.17	6.45	13	379.1	.21.05	245.0	184.3	13
125	7.07	.497	8.23	6.24	13	358.1	.7.31	169.8	147.9	12
150	6.87	.502	8.12	6.24	13	348.3	.5.74	160.3	139.7	12
175	6.63	.489	7.85	5.99	12	340.9	.5.76	155.7	132.2	12
200	6.36	.519	7.67	5.66	12	336.4	.5.68	151.8	129.5	12
225	6.12	.516	7.43	5.38	12	332.0	.4.97	145.8	126.5	12
250	5.86	.481	7.04	5.15	12	325.0	.4.37	137.7	120.3	12
300	5.45	.445	6.53	4.79	12	113.8	.3.94	124.0	108.3	12
400	4.76	.352	5.51	4.17	12	103.2	.2.28	112.0	99.9	12
500	4.37	.251	4.75	4.01	12	94.4	.2.53	100.8	91.3	12
600	4.07	.176	4.32	3.81	12	86.8	.2.06	91.7	84.0	12
700	3.80	.134	4.00	3.59	12	80.2	.2.00	84.6	77.6	12
800	3.56	.107	3.76	3.44	12	74.3	.1.79	78.1	71.8	12
900	3.36	.085	3.48	3.25	12	69.5	.1.64	73.0	66.8	12
1000	3.17	.066	3.27	3.05	12	61.4	.84	62.7	60.2	10
1200	2.77	.035	2.82	2.72	10	52.7	.1.27	55.3	51.5	7
1500	2.30	.033	2.34	2.24	7	41.1	n/a	n/a	n/a	1
2000	1.75	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	0
2500	n/a	n/a	n/a	n/a	0					0

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PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	13	.00	.00	.00	.00	13
10	.365	.0215	.400	.330	13	.02	.00	.02	.02	13
20	.718	.0436	.800	.650	13	.07	.005	.08	.07	13
30	1.053	.0686	1.170	.970	13	.16	.012	.18	.14	13
50	1.645	.0898	1.780	1.510	13	.40	.023	.43	.36	13
75	2.294	.0958	2.430	2.120	13	.81	.031	.86	.75	13
100	2.873	.1202	3.070	2.660	13	1.33	.065	1.42	1.23	13
125	3.363	.1548	3.620	3.130	12	1.89	.106	2.04	1.75	12
150	4.788	.1693	4.060	3.550	12	2.48	.128	2.69	2.30	12
175	4.177	.1781	4.460	3.940	12	3.12	.143	3.36	2.91	12
200	4.545	.1827	4.830	4.300	12	3.83	.155	4.07	3.57	12
225	4.897	.1880	5.190	4.640	12	4.59	.172	4.83	4.29	12
250	5.241	.1914	5.530	4.980	12	5.42	.193	5.66	5.08	12
300	5.902	.2030	6.190	5.620	12	7.28	.241	7.70	6.86	12
400	7.137	.2310	7.420	6.820	12	11.67	.375	12.50	11.05	12
500	8.268	.2550	8.640	7.910	12	16.86	.529	18.13	16.05	12
600	9.309	.2746	9.760	8.910	12	22.70	.679	24.40	21.70	12
700	10.274	.2919	10.790	9.850	12	29.08	.838	31.21	27.90	12
800	11.176	.3067	11.740	10.720	12	35.98	.982	38.48	34.56	12
900	12.020	.3215	12.630	11.540	12	43.29	1.138	46.17	41.62	12
1000	12.813	.3349	13.460	12.300	12	50.96	1.297	54.22	49.03	12
1200	14.204	.3009	14.640	13.730	10	66.98	1.069	68.33	64.98	10
1500	16.096	.3107	16.480	15.650	7	93.95	1.399	95.39	91.46	7
2000	18.420	n/a	n/a	n/a	1	140.67	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.42	.134	6.51	6.32	22	1499	4.0	1506	1494	13
10	6.42	.134	6.51	6.32	22	1498	4.1	1506	1494	13
20	6.53	.021	6.54	6.51	22	1497	4.9	1506	1490	13
30	6.76	.290	6.96	6.55	22	1492	5.1	1504	1486	13
50	6.79	.332	7.02	6.55	22	1484	3.4	1489	1476	13
75	6.54	.537	6.92	6.16	22	1480	2.3	1483	1475	13
100	5.63	.707	6.13	5.13	22	1479	2.1	1483	1475	13
125	4.955	.615	5.38	4.51	22	1479	2.1	1484	1477	12
150	4.39	.615	4.82	3.95	22	1479	1.9	1484	1477	12
175	4.06	.778	4.61	3.51	22	1479	2.0	1484	1476	12
200	3.67	.721	4.18	3.16	22	1478	2.2	1484	1475	12
225	3.18	.622	3.62	2.74	22	1478	2.0	1483	1475	12
250	2.72	.502	3.08	2.37	22	1477	2.1	1482	1474	12
300	1.99	.092	1.96	1.83	22	1477	1.9	1481	1474	12
400	1.90	.233	1.46	1.13	22	1475	1.4	1478	1473	12
500	.74	.057	.78	.70	22	1475	1.1	1477	1474	12
600	.54	.099	.61	.47	22	1476	.8	1477	1475	12
700	.44	.035	.46	.41	22	1477	.5	1477	1476	12
800	.39	.035	.42	.37	22	1478	.5	1478	1477	12
900	.40	.099	.47	.33	22	1478	.4	1479	1478	12
1000	.41	.148	.52	.31	22	1479	.4	1480	1479	12
1200	.49	.042	.52	.46	22	1481	.0	1481	1481	10
1500	.81	.028	.83	.79	20	1484	.0	1484	1484	7
2000	n/a	n/a	n/a	n/a	0	1490	n/a	n/a	n/a	0
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.813	.3340	13.458	12.303	12
10	12.448	.3258	13.092	11.944	12
20	12.091	.3191	12.738	11.582	12
30	11.754	.3115	12.406	11.229	12
50	11.165	.2960	11.798	10.628	12
75	10.521	.2828	11.139	10.010	12
100	9.945	.2738	10.610	9.504	12
125	9.449	.2723	10.153	9.059	12
150	9.025	.2631	9.722	8.668	12
175	8.637	.2509	9.306	8.302	12
200	8.269	.2369	8.903	7.957	12
225	7.915	.2218	8.509	7.624	12
250	7.572	.2088	8.128	7.296	12
300	6.911	.1848	7.396	6.662	12
400	5.677	.1459	6.049	5.487	12
500	4.545	.1106	4.819	4.397	12
600	3.503	.0827	3.699	3.388	12
700	2.539	.0587	2.671	2.452	12
800	1.637	.0386	1.720	1.580	12
900	.792	.0191	.832	.765	12
1000	.000	.0000	.000	.000	12
1200	-1.458	.0231	-1.422	-1.483	10
1500	-3.427	.0470	-3.350	-3.493	7
2000	-6.118	n/a	n/a	n/a	1
2500	n/a	n/a	n/a	n/a	0

STATION MP12 A U G U S T 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	15.53	.840	17.35	13.87	27	32.281	.2137	32.603	31.748	27	
10	15.17	1.136	17.34	11.50	27	32.293	.2096	32.590	31.756	27	
20	14.39	1.603	17.00	9.13	27	32.334	.1672	32.624	32.019	27	
30	12.81	1.722	15.91	7.97	27	32.378	.1561	32.656	32.094	27	
50	9.30	1.218	12.47	7.11	27	32.501	.1005	32.670	32.300	27	
75	7.82	.738	9.26	6.62	27	32.629	.0723	32.748	32.469	27	
100	7.34	.552	8.66	6.46	27	32.879	.1947	33.175	32.517	27	
125	7.04	.335	7.94	6.44	27	33.241	.2604	33.574	32.694	27	
150	6.78	.337	7.81	6.22	27	33.578	.1857	33.790	33.128	27	
175	6.56	.381	7.66	5.87	27	33.757	.0812	33.873	33.530	27	
200	6.34	.365	7.48	5.74	27	33.835	.0432	33.901	33.693	27	
225	6.08	.387	7.28	5.42	27	33.863	.0354	33.917	33.766	27	
250	5.80	.380	7.02	5.17	27	33.885	.0377	33.956	33.800	27	
300	4.94	.323	6.43	4.84	27	33.917	.0369	33.996	33.857	27	
400	4.73	.334	5.58	4.18	27	33.990	.0330	34.040	33.931	27	
500	4.38	.236	4.94	3.99	27	34.073	.0350	34.125	34.005	27	
600	4.12	.189	4.53	3.77	27	34.153	.0434	34.213	34.023	27	
700	3.89	.144	4.15	3.58	26	34.229	.0325	34.275	34.155	26	
800	3.69	.116	3.85	3.50	26	34.291	.0278	34.340	34.243	26	
900	3.47	.096	3.67	3.30	26	34.338	.0245	34.377	34.307	26	
1000	3.26	.086	3.50	3.15	26	34.378	.0253	34.438	34.342	26	
1200	2.88	.064	3.08	2.75	25	34.451	.0304	34.546	34.399	25	
1500	2.41	.043	2.51	2.35	18	34.517	.0207	34.560	34.472	18	
2000	1.96	.035	2.01	1.93	4	34.577	.0322	34.607	34.538	4	
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	23.784	.2728	24.131	23.243	27	412.5	26.03	464.1	379.4	27	
10	23.867	.3153	24.610	23.250	27	404.9	30.08	463.8	334.0	27	
20	24.061	.3774	25.065	23.424	27	386.6	36.91	447.5	290.9	27	
30	24.412	.4012	25.239	23.560	27	353.4	38.32	434.8	274.3	27	
50	25.133	.2369	25.461	24.511	27	284.9	22.64	344.3	253.5	27	
75	25.459	.1367	25.644	25.184	27	254.1	13.10	280.4	236.4	27	
100	25.725	.1974	25.974	25.318	27	229.1	18.80	268.0	205.4	27	
125	26.051	.2096	26.346	25.551	27	198.5	19.88	246.1	170.5	27	
150	26.351	.1425	26.586	26.007	27	170.3	13.51	202.9	147.9	27	
175	26.521	.0711	26.668	26.373	27	154.6	6.80	168.4	140.3	27	
200	26.611	.0500	26.707	26.498	27	146.2	4.84	157.5	136.9	27	
225	26.667	.0479	26.753	26.548	27	141.2	4.70	153.0	132.7	27	
250	26.719	.0406	26.799	26.616	27	136.4	4.00	146.8	128.5	27	
300	26.799	.0293	26.844	26.727	27	129.1	2.91	136.7	124.6	27	
400	26.928	.0370	26.992	26.826	27	117.5	3.72	127.9	111.2	27	
500	27.032	.0280	27.071	26.946	27	108.3	2.79	117.1	104.4	27	
600	27.123	.0309	27.161	27.046	27	100.4	2.95	108.0	96.5	27	
700	27.206	.0216	27.242	27.161	26	93.0	2.04	97.5	89.4	26	
800	27.277	.0204	27.319	27.235	26	86.9	1.94	91.1	82.8	26	
900	27.336	.0184	27.372	27.297	26	81.7	1.78	85.7	78.1	26	
1000	27.387	.0207	27.430	27.345	26	77.1	2.00	81.6	73.3	26	
1200	27.481	.0238	27.551	27.441	25	68.7	2.22	72.3	62.3	25	
1500	27.574	.0176	27.609	27.539	18	60.1	1.66	63.3	56.8	18	
2000	27.657	.0283	27.682	27.622	4	52.7	2.75	56.2	50.4	4	
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	15.53	.840	17.35	13.87	27	412.5	26.03	464.1	379.4	27	
10	15.17	1.135	17.34	11.50	27	404.6	30.07	463.5	333.8	27	
20	14.39	1.603	17.00	9.13	27	386.1	35.97	446.9	290.5	27	
30	12.81	1.723	15.91	7.97	27	352.7	38.23	433.9	273.9	27	
50	9.29	1.217	12.46	7.11	27	283.9	22.53	343.1	252.7	27	
75	7.82	.737	9.25	6.61	27	227.8	13.00	279.1	235.3	27	
100	7.33	.552	8.65	6.45	27	196.6	18.75	266.2	203.9	27	
125	7.03	.335	7.93	6.43	27	168.1	19.91	244.1	168.6	27	
150	6.77	.345	7.79	6.21	27	151.9	6.74	166.0	138.0	27	
175	6.55	.382	7.65	6.85	27	143.3	4.73	154.0	134.2	27	
200	6.32	.365	7.46	5.72	27	138.1	4.54	149.3	129.9	27	
225	6.06	.387	7.26	5.41	27	133.0	3.84	142.8	125.6	27	
250	5.78	.380	7.00	5.15	27	125.5	2.77	132.3	121.3	27	
300	5.32	.323	6.41	4.82	27	113.2	3.48	122.8	107.1	27	
400	4.70	.333	5.55	4.15	27	103.2	2.65	111.4	99.6	27	
500	4.34	.234	4.90	3.95	27	94.6	2.93	101.9	91.0	27	
600	4.08	.188	4.48	3.72	27	86.6	2.04	90.9	83.3	26	
700	3.84	.143	4.10	3.53	26	79.9	1.92	83.8	75.9	26	
800	3.63	.116	3.79	3.45	26	74.3	1.76	77.9	70.8	26	
900	3.40	.095	3.60	3.24	26	69.3	1.98	73.3	65.3	26	
1000	3.19	.085	3.42	3.08	26	60.4	2.26	64.2	53.7	25	
1200	2.79	.063	2.99	2.66	25	51.5	1.66	54.8	48.1	18	
1500	2.30	.041	2.41	2.25	18	43.4	2.69	46.7	41.0	4	
2000	1.82	.039	1.88	1.79	4	n/a	n/a	n/a	n/a	0	
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP12 AUGUST 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	27	.00	.000	.00	.00	27
10	.410	.0250	.460	.380	27	.02	.000	.02	.02	27
20	.810	.0570	.920	.690	27	.08	.006	.09	.07	27
30	1.182	.0923	1.360	.970	27	.18	.016	.21	.14	27
50	1.817	.1443	2.140	1.500	27	.44	.037	.52	.36	27
75	2.488	.1800	2.910	2.130	27	.86	.060	1.01	.76	27
100	3.092	.2047	3.590	2.690	27	1.40	.087	1.61	1.26	27
125	3.626	.2369	4.200	3.190	27	2.01	.134	2.34	1.84	27
150	4.086	.2626	4.750	3.630	27	2.65	.184	3.11	2.40	27
175	4.490	.2746	5.170	4.030	27	3.32	.214	3.81	2.99	27
200	4.865	.2808	5.540	4.400	27	4.04	.233	4.52	3.65	27
225	5.223	.2843	5.890	4.760	27	4.82	.245	5.29	4.39	27
250	5.570	.2899	6.240	5.110	27	5.66	.264	6.18	5.18	27
300	6.234	.2980	6.890	5.770	27	7.52	.299	8.11	6.98	27
400	7.464	.3176	8.120	6.970	27	11.90	.386	12.53	11.24	27
500	8.592	.3394	9.260	8.060	27	17.07	.500	18.12	16.24	27
600	9.635	.3551	10.330	9.070	27	22.92	.625	24.41	21.88	27
700	10.619	.3649	11.330	10.010	26	29.34	.748	31.14	28.12	26
800	11.519	.3762	12.260	10.900	26	36.21	.860	38.32	34.88	26
900	12.362	.3890	13.120	11.730	26	43.51	.991	45.96	41.84	26
1000	13.155	.3999	13.920	12.490	26	51.19	1.148	54.09	49.24	26
1200	14.591	.4267	15.440	13.890	25	67.43	1.515	71.17	65.66	25
1500	16.574	.4940	17.420	15.690	18	93.97	2.356	98.96	89.29	18
2000	19.490	.6345	20.350	18.920	4	144.90	4.597	149.04	139.59	4
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	5.47	.742	6.12	4.80	4	1506	2.6	1511	1500	27
10	5.30	.966	6.12	4.13	4	1505	3.7	1511	1492	27
20	5.61	.823	6.28	4.47	4	1502	5.4	1511	1484	27
30	5.88	1.078	6.74	4.31	4	1497	5.8	1507	1480	27
50	5.87	.913	6.68	4.56	4	1485	4.5	1497	1477	27
75	5.78	.605	6.46	5.06	4	1480	2.8	1486	1476	27
100	5.51	.439	5.98	4.93	4	1479	2.1	1484	1476	27
125	4.59	.275	4.84	4.29	4	1479	1.4	1483	1476	27
150	3.87	.376	4.20	3.40	4	1479	1.4	1483	1477	27
175	3.65	.745	4.36	3.73	4	1479	1.6	1483	1476	27
200	3.18	.652	3.87	2.30	4	1478	1.6	1483	1476	27
225	2.01	.464	3.52	2.40	4	1478	1.5	1482	1475	27
250	2.77	.274	3.05	2.49	4	1477	1.6	1482	1474	27
300	2.28	.209	2.57	2.08	4	1476	1.4	1480	1474	27
400	1.41	.377	1.96	1.14	4	1475	1.5	1479	1473	27
500	.99	.238	1.34	.81	4	1475	1.1	1478	1474	27
600	.70	.123	.86	.59	4	1476	.9	1478	1475	27
700	.50	.081	.57	.39	4	1477	.7	1478	1475	26
800	.34	.076	.40	.23	4	1478	.5	1478	1477	26
900	.32	.080	.38	.21	4	1478	.5	1479	1478	26
1000	.33	.091	.43	.22	4	1479	.5	1480	1479	26
1200	.46	.144	.61	.33	3	1481	.2	1482	1480	25
1500	.72	.129	.81	.57	3	1484	.2	1485	1484	18
2000	1.30	.283	1.50	1.10	2	1491	.6	1491	1490	4
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.155	.4009	13.924	12.493	26
10	12.743	.3867	13.460	12.114	26
20	12.344	.3698	13.007	11.767	26
30	11.970	.3475	12.564	11.435	26
50	11.333	.3116	11.872	10.859	26
75	10.660	.2814	11.191	10.205	26
100	10.056	.2509	10.600	9.649	26
125	9.520	.2205	10.093	9.170	26
150	9.058	.2011	9.639	8.706	26
175	8.653	.1906	9.217	8.313	26
200	8.277	.1831	8.817	7.956	26
225	7.918	.1760	8.430	7.617	26
250	7.571	.1689	8.054	7.291	26
300	6.906	.1580	7.345	6.661	26
400	5.675	.1310	6.030	5.467	26
500	4.545	.1020	4.802	4.373	26
600	3.501	.0757	3.678	3.364	26
700	2.536	.0538	2.661	2.431	26
800	1.636	.0366	1.721	1.562	26
900	.794	.0189	.840	.760	26
1000	.000	.0000	.000	.000	26
1200	-1.453	.0406	-1.350	-1.525	25
1500	-3.371	.1091	-3.109	-3.549	18
2000	-6.254	.2159	-5.986	-6.435	4
2500	n/a	n/a	n/a	n/a	0

STATION MP12 S E P T E M B E R 1956 to 1990

TEMPERATURE

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	15.26	1.167	18.40	13.74	23	32.324	.1600	32.560	32.093	23
10	15.22	1.091	17.82	13.62	23	32.328	.1628	32.603	32.058	23
20	15.00	1.149	17.51	12.95	23	32.340	.1588	32.625	32.084	23
30	13.80	1.365	16.26	11.45	23	32.400	.1431	32.638	32.100	23
50	9.36	.886	10.96	7.57	23	32.562	.1125	32.770	32.364	23
75	7.84	.616	8.78	6.81	23	32.667	.1794	32.837	32.510	23
100	7.30	.522	8.19	6.50	23	32.854	.2462	32.830	32.786	23
125	6.97	.398	7.92	6.25	23	33.246	.2520	33.900	33.360	23
150	6.78	.331	7.75	6.29	23	33.597	.1438	33.935	33.640	23
175	6.61	.325	7.65	6.19	23	33.779	.0809	33.987	33.750	23
200	6.38	.340	7.46	5.95	23	33.846	.0547	33.987	33.789	23
225	6.09	.332	7.18	5.74	23	33.874	.0482	34.009	33.798	23
250	5.84	.315	6.89	5.42	23	33.891	.0476	34.036	34.825	23
300	5.34	.293	6.32	4.98	23	33.915	.0438	34.030	34.895	22
400	4.70	.222	5.29	4.37	22	33.989	.0415	34.080	34.895	22
500	4.33	.172	4.63	4.08	22	34.080	.0382	34.159	33.985	22
600	4.07	.132	4.29	3.82	21	34.160	.0368	34.226	34.082	21
700	3.84	.124	4.03	3.64	21	34.230	.0340	34.284	34.171	21
800	3.61	.114	3.85	3.43	21	34.287	.0271	34.329	34.225	21
900	3.41	.083	3.59	3.28	21	34.339	.0242	34.370	34.278	21
1000	3.22	.081	3.43	3.11	21	34.381	.0215	34.412	34.326	21
1200	2.86	.066	3.04	2.77	21	34.446	.0184	34.474	34.397	21
1500	2.40	.030	2.46	2.36	14	34.513	.0205	34.554	34.460	14
2000	1.94	.020	1.96	1.92	5	34.588	.0058	34.595	34.579	5
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

SIGMA T

SVA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	23.872	.2746	24.314	23.015	23	404.2	.26.21	486.0	362.0	23
10	23.885	.2535	24.315	23.153	23	403.2	.24.21	473.1	362.2	23
20	23.941	.2706	24.357	23.236	23	398.1	.25.83	465.4	358.4	23
30	24.236	.2910	24.696	23.615	23	370.2	.27.79	429.5	326.2	23
50	25.174	.1754	25.461	24.769	23	281.0	.16.75	319.7	253.6	23
75	25.489	.1768	26.093	25.264	23	251.3	.16.84	272.8	193.9	23
100	25.710	.2068	26.323	25.385	23	230.5	.19.66	261.5	172.4	23
125	26.065	.1852	26.519	25.662	23	197.2	.17.55	235.5	154.1	23
150	26.366	.1019	26.609	26.162	23	168.9	.9.65	188.3	145.9	23
175	26.531	.0623	26.673	26.413	23	153.6	.5.95	164.9	140.1	23
200	26.615	.0482	26.737	26.509	23	145.9	.4.65	156.0	134.2	23
225	26.674	.0379	26.770	26.618	23	140.5	.3.68	146.1	131.3	23
250	26.718	.0298	26.801	26.664	23	136.5	.2.91	141.9	128.6	23
300	26.799	.0279	26.867	26.746	23	129.1	.2.73	134.5	122.7	23
400	26.931	.0270	26.996	26.878	22	117.3	.2.59	122.0	111.1	22
500	27.043	.0220	27.095	26.989	22	107.2	.2.66	112.1	102.2	22
600	27.133	.0215	27.166	27.088	21	99.3	.1.96	103.4	96.4	21
700	27.213	.0199	27.243	27.168	21	92.4	.1.80	96.6	89.4	21
800	27.280	.0181	27.302	27.234	21	86.4	.1.65	90.6	84.2	21
900	27.342	.0156	27.362	27.298	21	80.9	.1.44	85.0	79.1	21
1000	27.394	.0142	27.410	27.354	21	76.4	.1.33	80.0	75.0	21
1200	27.478	.0168	27.509	27.435	21	68.8	.1.61	73.0	65.8	21
1500	27.572	.0179	27.607	27.527	14	60.3	.1.69	64.5	56.9	14
2000	27.668	.0055	27.674	27.660	5	51.6	.56	52.5	51.1	5
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

THETA

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	15.26	1.167	18.40	13.74	23	404.2	.26.21	486.0	362.0	23
10	15.22	1.091	17.82	13.62	23	402.9	.24.19	472.7	361.9	23
20	15.00	1.150	17.51	12.95	23	397.5	.25.81	464.7	357.8	23
30	13.80	1.365	16.26	11.45	23	369.4	.27.73	428.6	325.5	23
50	9.35	.886	10.95	7.57	23	280.0	.16.67	318.6	252.8	23
75	7.83	.615	8.77	6.81	23	250.0	.16.79	271.4	192.7	23
100	7.29	.522	8.18	6.49	23	229.0	.19.65	259.9	170.8	23
125	6.96	.398	7.91	6.24	23	195.3	.17.61	233.6	152.1	23
150	6.77	.333	7.74	6.27	23	166.6	.9.69	186.0	143.6	23
175	6.60	.325	7.64	6.18	23	150.9	.5.92	162.2	137.5	23
200	6.36	.339	7.44	5.93	23	143.0	.4.57	153.0	131.4	23
225	6.07	.352	7.16	5.72	23	137.4	.3.57	142.6	128.3	23
250	5.82	.315	6.87	5.46	23	133.1	.2.83	138.3	125.3	23
300	5.31	.291	6.29	4.96	23	125.5	.2.63	130.4	119.0	23
400	4.67	.222	5.26	4.34	22	112.9	.2.55	117.9	106.7	22
500	4.29	.173	4.60	4.04	22	102.2	.2.07	107.0	97.3	22
600	4.03	.131	4.25	3.78	21	95.6	.2.04	97.0	90.5	21
700	3.79	.123	3.98	3.59	21	86.0	.1.91	90.3	83.2	21
800	3.56	.114	3.79	3.37	21	79.6	.1.68	83.9	77.5	21
900	3.34	.082	3.52	3.22	21	73.6	.1.49	77.9	71.8	21
1000	3.14	.081	3.36	2.94	21	68.7	.1.35	72.0	67.2	21
1200	2.77	.065	2.96	2.69	14	60.6	.1.55	64.7	57.8	21
1500	2.30	.028	2.36	2.26	14	51.7	.1.67	55.9	48.3	14
2000	1.80	.018	1.82	1.78	5	42.3	.56	43.2	41.8	5
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

STATION MP12 S E P T E M B E R 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	23	.00	.00	.00	.00	23
10	.404	.0259	.480	.360	23	.02	.00	.02	.02	23
20	.807	.0496	.950	.720	23	.08	.006	.10	.07	23
30	1.195	.0684	1.400	1.090	23	.18	.010	.21	.17	23
50	1.838	.0962	2.130	1.690	23	.44	.024	.50	.40	23
75	2.502	.1175	2.860	2.320	23	.86	.039	.96	.81	23
100	3.103	.1416	3.510	2.900	23	1.40	.072	1.555	1.22	23
125	3.638	.1673	4.070	3.300	23	2.01	.118	2.22	1.68	23
150	4.094	.1842	4.540	3.680	23	2.65	.155	2.92	2.21	23
175	4.496	.1948	4.960	4.030	23	3.31	.179	3.64	2.80	23
200	4.868	.2001	5.340	4.380	23	4.02	.196	4.40	3.45	23
225	5.226	.2050	5.700	4.710	23	4.80	.213	5.22	4.17	23
250	5.573	.2109	6.060	5.030	23	5.64	.226	6.08	4.96	23
300	6.236	.2181	6.740	5.660	23	7.50	.255	7.95	6.72	23
400	7.449	.2288	7.990	6.820	22	11.86	.327	12.29	10.86	22
500	8.571	.2430	9.130	7.910	22	17.00	.402	17.60	15.83	22
600	9.602	.2591	10.170	8.910	21	22.77	.485	23.52	21.47	21
700	10.560	.2683	11.140	9.850	21	29.12	.562	30.10	27.66	21
800	11.454	.2737	12.030	10.720	21	35.94	.644	37.21	34.34	21
900	12.290	.2789	12.880	11.540	21	43.19	.736	44.82	41.46	21
1000	13.075	.2832	13.570	12.320	21	50.79	.820	52.79	48.97	21
1200	14.524	.2982	15.140	13.740	21	67.03	.968	69.87	64.84	21
1500	16.483	.3795	17.060	15.630	14	93.62	1.834	98.30	90.79	14
2000	19.260	.4986	19.640	18.390	14	143.54	2.096	145.64	140.05	14
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	5.82	.369	6.09	5.40	3	1505	.3.6	1514	1500	23
10	5.99	.107	6.06	5.87	3	1505	.3.5	1513	1500	23
20	6.01	.108	6.09	5.89	3	1504	.3.6	1512	1498	23
30	6.31	.535	6.92	5.91	3	1501	.4.6	1509	1493	23
50	6.80	.547	7.27	6.20	3	1486	.3.2	1491	1479	23
75	6.55	.339	6.93	6.28	3	1480	.2.4	1484	1476	23
100	6.20	.187	6.40	6.03	3	1479	.1.7	1483	1476	23
125	4.96	.469	5.50	4.66	3	1479	.1.4	1483	1477	23
150	4.27	.363	4.66	3.94	3	1479	.1.4	1483	1477	23
200	3.76	.230	3.96	3.51	3	1478	.1.5	1483	1477	23
225	3.67	.281	3.94	3.38	3	1478	.1.4	1482	1476	23
250	4.40	.248	3.59	3.12	3	1477	.1.2	1481	1475	23
300	3.43	.215	3.31	2.89	3	1476	.1.3	1480	1474	23
400	1.62	.240	1.86	1.38	3	1475	.1.0	1478	1474	22
500	1.11	.180	1.29	1.93	3	1475	.0.8	1476	1474	22
600	.76	.042	.79	.73	3	1476	.0.7	1477	1475	21
700	.58	.014	.59	.57	3	1477	.0.5	1477	1476	21
800	.45	.007	.46	.45	3	1477	.0.5	1478	1477	21
900	.41	.028	.43	.39	3	1478	.0.4	1479	1478	21
1000	.39	.078	.44	.33	3	1479	.0.4	1480	1479	21
1200	.42	.028	.44	.40	3	1481	.0.2	1482	1481	21
1500	.73	.057	.77	.69	3	1484	.0.9	1484	1484	14
2000	1.43	n/a	n/a	n/a	1	1490	n/a	1491	1490	14
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.075	.2845	13.675	12.320	21
10	12.671	.2785	13.196	11.913	21
20	12.269	.2772	12.726	11.502	21
30	11.880	.2750	12.273	11.106	21
50	11.238	.2650	11.609	10.456	21
75	10.578	.2385	10.947	9.882	21
100	9.980	.1998	10.319	9.424	21
125	9.449	.1622	9.768	9.017	21
150	8.995	.1425	9.316	8.643	21
175	8.593	.1346	8.918	8.285	21
200	8.220	.1297	8.540	7.943	21
225	7.862	.1250	8.177	7.611	21
250	7.516	.1200	7.823	7.286	21
300	6.852	.1115	7.141	6.657	21
400	5.625	.0916	5.871	5.485	21
500	4.504	.0756	4.704	4.406	21
600	3.473	.0587	3.627	3.393	21
700	2.514	.0428	2.633	2.463	21
800	1.621	.0276	1.702	1.588	21
900	.785	.0133	.824	.772	21
1000	.000	.0000	.000	.000	21
1200	-1.450	.0289	-1.415	-1.524	21
1500	-3.377	.0800	-3.255	-3.593	14
2000	-6.189	.0775	-6.074	-6.287	5
2500	n/a	n/a	n/a	n/a	0

STATION MP12 OCTOBER 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	13.74	1.172	15.79	12.30	11	32.342	.1302	32.530	32.141	11	
10	13.70	1.213	15.77	12.10	11	32.342	.1322	32.530	32.144	11	
20	13.70	1.208	15.73	12.10	11	32.344	.1379	32.530	32.145	11	
30	13.66	1.229	15.71	12.10	11	32.352	.1416	32.540	32.154	11	
50	11.24	1.713	14.20	8.35	11	32.466	.1443	32.690	32.206	11	
75	8.31	1.089	10.90	6.96	11	32.689	.1756	33.178	32.514	11	
100	7.42	.669	8.71	6.35	11	32.819	.2211	33.426	32.636	11	
125	6.90	.411	7.72	6.35	11	32.828	.2503	33.713	32.884	11	
150	6.70	.283	7.05	6.35	11	33.603	.1577	33.841	33.324	11	
175	6.54	.278	6.90	6.17	11	33.781	.0731	33.888	33.608	11	
200	6.30	.289	6.69	5.89	11	33.859	.0368	33.912	33.771	11	
225	6.04	.305	6.51	5.62	11	33.879	.0324	33.934	33.813	11	
250	5.78	.275	6.22	5.44	11	33.892	.0284	33.953	33.849	11	
300	5.31	.271	5.76	4.92	11	33.916	.0273	33.982	33.869	11	
400	4.62	.198	4.89	4.33	11	33.982	.0315	34.064	33.938	11	
500	4.22	.164	4.53	3.99	11	34.061	.0331	34.136	34.016	11	
600	4.94	.128	4.24	3.78	11	34.138	.0341	34.208	34.090	11	
700	7.75	.126	4.00	3.62	11	34.214	.0267	34.270	34.179	11	
800	5.55	.109	3.75	3.44	11	34.274	.0205	34.320	34.247	11	
900	.37	.092	3.52	3.25	11	34.324	.0211	34.360	34.294	11	
1000	.19	.056	3.30	3.10	11	34.369	.0158	34.395	34.350	11	
1200	.85	.079	2.97	2.73	11	34.436	.0164	34.464	34.414	11	
1500	2.38	.026	2.42	2.36	15	34.507	.0086	34.514	34.494	15	
2000	1.9	.017	1.94	1.91	3	34.588	.0099	34.592	34.581	3	
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.206	.2560	24.414	23.675	11	372.3	24.43	422.9	352.4	11	
10	24.213	.2603	24.417	23.679	11	371.8	24.82	422.8	352.4	11	
20	24.216	.2591	24.414	23.688	11	371.8	24.75	422.3	352.9	11	
30	24.229	.2637	24.472	23.693	11	370.8	25.20	422.1	347.6	11	
50	24.771	.3658	25.324	24.206	11	319.5	34.97	373.6	266.7	11	
75	25.433	.2377	25.926	24.957	11	256.6	22.73	302.3	209.7	11	
100	25.666	.2071	26.177	25.435	11	234.7	19.74	257.0	186.2	11	
125	26.000	.2225	26.443	25.742	11	197.6	21.17	227.9	161.3	11	
150	26.382	.1480	26.571	26.117	11	167.3	14.07	192.6	149.5	11	
175	26.543	.0785	26.629	26.375	11	152.4	7.51	168.4	144.2	11	
200	26.636	.0481	26.697	26.542	11	143.9	4.63	152.9	138.0	11	
225	26.684	.0421	26.744	26.618	11	139.6	4.10	145.8	133.7	11	
250	26.727	.0356	26.780	26.671	11	135.7	3.50	141.2	130.6	11	
300	26.802	.0311	26.846	26.744	11	128.8	3.09	134.6	124.7	11	
400	26.934	.0240	26.968	26.896	11	116.9	2.34	120.7	113.9	11	
500	27.040	.0219	27.066	27.001	11	107.4	2.15	111.3	104.8	11	
600	27.129	.0224	27.169	27.094	11	99.5	2.09	102.8	95.7	11	
700	27.209	.0166	27.233	27.186	11	92.6	1.59	94.8	90.3	11	
800	27.278	.0125	27.295	27.256	11	86.5	1.19	88.8	84.7	11	
900	27.333	.0161	27.358	27.307	11	81.7	1.58	84.5	79.1	11	
1000	27.386	.0136	27.414	27.368	11	77.0	1.37	78.8	74.2	11	
1200	27.471	.0186	27.504	27.443	11	69.5	1.93	72.5	66.1	11	
1500	27.568	.0075	27.575	27.557	15	60.6	.68	61.5	59.8	15	
2000	27.669	.0064	27.674	27.663	3	51.5	.55	52.1	51.0	3	
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	13.74	1.172	15.79	12.30	11	372.3	24.43	422.9	352.4	11	
10	13.70	1.213	15.77	12.10	11	371.6	24.82	422.5	352.2	11	
20	13.69	1.207	15.73	12.10	11	371.3	24.71	421.7	352.4	11	
30	13.66	1.230	15.71	12.10	11	370.0	25.17	421.2	346.0	11	
50	11.24	1.713	14.19	8.34	11	318.3	34.81	372.2	265.8	11	
75	8.30	1.089	10.89	6.95	11	255.4	22.59	300.6	208.5	11	
100	7.41	.669	8.70	6.54	11	233.2	19.69	255.1	184.6	11	
125	6.89	.411	7.71	6.38	11	195.7	21.13	226.0	159.3	11	
150	6.68	.282	7.03	6.34	11	165.1	14.02	190.3	147.2	11	
175	6.52	.277	6.88	6.15	11	149.8	7.45	165.8	141.7	11	
200	6.28	.288	6.67	5.87	11	141.0	4.54	149.9	135.2	11	
225	6.02	.304	6.49	5.60	11	136.4	4.00	142.7	130.7	11	
250	5.76	.275	6.20	5.42	11	132.4	3.38	137.6	127.3	11	
300	5.29	.269	5.73	4.90	11	125.2	2.93	130.6	121.0	11	
400	4.59	.198	4.86	4.30	11	112.6	2.27	116.2	109.3	11	
500	4.18	.163	4.49	3.95	11	102.6	2.11	106.2	100.0	11	
600	4.90	.128	4.20	3.74	11	94.0	2.15	97.4	90.2	11	
700	7.70	.126	3.95	3.57	11	86.4	1.59	88.5	84.1	11	
800	4.49	.108	3.69	3.38	11	79.8	1.18	81.9	78.2	11	
900	.31	.089	3.45	3.03	11	74.5	1.55	77.0	72.2	11	
1000	1.12	.056	2.23	2.03	11	69.4	1.34	71.2	66.8	11	
1200	2.77	.079	2.89	2.65	11	61.3	1.76	64.0	58.2	11	
1500	2.28	.026	2.32	2.26	15	52.1	.71	53.1	51.5	15	
2000	1.79	.017	1.80	1.77	3	42.3	.56	42.9	41.0	3	
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP12 OCTOBER 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	11	.00	.000	.00	.00	11
10	.373	.0241	.420	.350	11	.02	.000	.02	.02	11
20	.745	.0501	.850	.710	11	.07	.007	.09	.07	11
30	1.118	.0732	1.270	1.060	11	.17	.012	.19	.16	11
50	.813	.0907	1.970	1.660	11	.45	.025	.50	.40	11
75	2.528	.1265	2.780	2.290	11	.91	.058	1.03	.81	11
100	1.140	.1635	3.480	2.880	11	1.45	.093	1.65	1.32	11
125	3.681	.2021	4.070	3.380	11	2.07	.140	2.33	1.82	11
150	4.136	.2392	4.590	3.780	11	2.71	.195	3.06	2.36	11
175	4.532	.2611	5.040	4.150	11	3.36	.234	3.80	2.97	11
200	4.903	.2754	5.440	4.500	11	4.07	.257	4.56	3.64	11
225	5.255	.2830	5.810	4.840	11	4.83	.277	5.37	4.38	11
250	5.599	.2920	6.170	5.170	11	5.67	.295	6.23	5.19	11
300	6.261	.3038	6.840	5.810	11	7.52	.331	8.11	6.97	11
400	7.488	.3192	8.660	7.000	11	11.90	.396	12.48	11.23	11
500	8.608	.3308	9.170	8.100	11	17.03	.461	17.55	16.24	11
600	9.643	.3377	10.180	9.110	11	22.82	.536	23.55	21.93	11
700	10.602	.3475	11.120	10.050	11	29.18	.630	30.05	28.12	11
800	11.497	.3517	11.990	10.940	11	36.02	.695	36.94	34.88	11
900	12.338	.3582	12.820	11.770	11	43.30	.763	44.37	42.09	11
1000	13.132	.3632	13.600	12.550	11	50.97	.863	52.25	49.61	11
1200	14.592	.3848	15.090	13.970	11	67.34	1.112	68.95	65.58	11
1500	16.612	.4452	16.980	15.880	15	94.47	1.660	96.13	91.85	15
2000	19.553	.1721	19.750	19.430	3	144.77	.863	145.72	144.03	3
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.22	n/a	n/a	n/a	1	1500	3.8	1506	1495	11
10	6.29	n/a	n/a	n/a	1	1500	4.3	1507	1494	11
20	6.23	n/a	n/a	n/a	1	1500	4.1	1507	1495	11
50	6.27	n/a	n/a	n/a	1	1500	4.0	1507	1495	11
75	6.29	n/a	n/a	n/a	1	1492	5.9	1502	1482	11
100	6.51	n/a	n/a	n/a	1	1482	4.2	1492	1477	11
125	5.555	n/a	n/a	n/a	1	1479	2.6	1484	1476	11
150	4.45	n/a	n/a	n/a	1	1478	1.5	1481	1476	11
175	4.42	n/a	n/a	n/a	1	1478	1.2	1480	1477	11
200	4.95	n/a	n/a	n/a	1	1478	1.2	1480	1476	11
225	4.44	n/a	n/a	n/a	1	1477	1.1	1479	1476	11
250	4.100	n/a	n/a	n/a	1	1477	1.3	1479	1475	11
300	2.645	n/a	n/a	n/a	1	1476	1.0	1478	1474	11
400	1.647	n/a	n/a	n/a	1	1474	1.0	1476	1473	11
500	1.17	n/a	n/a	n/a	1	1475	.7	1476	1474	11
600	.81	n/a	n/a	n/a	1	1475	.7	1477	1475	11
700	.66	n/a	n/a	n/a	1	1476	.5	1477	1476	11
800	.54	n/a	n/a	n/a	1	1477	.4	1478	1477	11
900	.55	n/a	n/a	n/a	1	1478	.3	1479	1478	11
1000	.56	n/a	n/a	n/a	1	1479	.0	1479	1479	11
1200	.49	n/a	n/a	n/a	1	1481	.4	1481	1480	11
1500	.866	n/a	n/a	n/a	1	1484	.0	1484	1484	15
2000	1.46	n/a	n/a	n/a	1	1490	n/a	1490	1490	0
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	13.131	.3640	13.598	12.545	11
10	12.758	.3492	13.212	12.186	11
20	12.387	.3357	12.828	11.831	11
50	12.014	.3227	12.442	11.475	11
75	11.319	.2974	11.664	10.755	11
100	10.602	.2661	10.931	10.080	11
125	9.990	.2318	10.269	9.584	11
150	9.450	.1926	9.691	9.151	11
175	8.995	.1588	9.224	8.762	11
200	8.599	.1454	8.829	8.393	11
225	8.229	.1381	8.453	8.041	11
250	7.876	.1315	8.090	7.701	11
300	7.532	.1251	7.737	7.371	11
400	6.871	.1130	7.059	6.730	11
500	5.643	.0904	5.794	5.530	11
600	4.522	.0695	4.638	4.430	11
700	3.488	.0528	3.578	3.416	11
800	2.528	.0378	2.596	2.478	11
900	1.633	.0263	1.679	1.590	11
1000	.000	.0000	.000	.000	11
1200	-1.460	.0318	-1.390	-1.491	11
1500	-3.421	.0587	-3.335	-3.474	15
2000	-6.245	.0673	-6.205	-6.323	33
2500	n/a	n/a	n/a	n/a	0

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TEMPERATURE

SALINITY

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	11.21	1.002	13.29	10.12	9	32.317	.0985	32.422	32.158	9
10	11.16	.982	13.29	10.09	9	32.330	.0770	32.420	32.173	9
20	11.16	.977	13.29	10.12	9	32.336	.0779	32.428	32.180	9
30	11.17	.981	13.30	10.11	9	32.336	.0767	32.422	32.180	9
50	10.79	.839	12.54	10.02	9	32.387	.0642	32.528	32.320	9
75	8.32	1.077	9.72	6.84	9	32.658	.1529	33.030	32.518	9
100	7.61	.630	8.74	6.60	9	32.423	.2014	32.242	32.648	9
125	7.25	.493	8.01	6.39	9	32.189	.1898	33.640	33.026	9
150	6.98	.441	7.60	6.26	9	32.718	.1281	33.841	33.422	9
175	6.74	.410	7.30	6.09	9	32.832	.0557	33.888	33.720	9
200	6.46	.417	6.91	5.77	9	32.888	.0298	33.919	33.823	9
225	6.20	.399	6.61	5.54	9	32.910	.0193	33.939	33.874	9
250	5.92	.379	6.34	5.33	9	32.919	.0150	33.949	33.894	9
300	5.48	.280	5.86	4.92	9	32.943	.0222	33.984	33.911	9
400	4.79	.212	5.08	4.52	9	34.001	.0268	34.050	33.969	9
500	4.37	.165	4.66	4.21	9	34.082	.0299	34.152	34.052	9
600	4.06	.108	4.22	3.89	9	34.154	.0215	34.196	34.128	9
700	3.81	.106	3.97	3.69	9	34.223	.0230	34.266	34.197	9
800	3.59	.114	3.77	3.44	9	34.281	.0194	34.307	34.249	9
900	3.39	.094	3.55	3.29	9	34.333	.0226	34.366	34.293	9
1000	3.19	.073	3.30	2.98	9	34.373	.0241	34.402	34.323	9
1200	2.85	.069	2.92	2.74	9	34.442	.0161	34.474	34.425	9
1500	2.42	.125	2.63	2.31	9	34.503	.0138	34.519	34.481	9
2000	2.03	.199	2.26	1.91	9	34.572	.0250	34.590	34.544	9
2500	1.98	n/a	n/a	n/a	1	34.592	n/a	n/a	n/a	1

SIGMA T

SVA

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	24.671	.2279	24.943	24.247	9	327.9	21.74	368.4	302.1	9
10	24.689	.2112	24.947	24.247	9	326.5	20.12	368.6	301.9	9
20	24.694	.2106	24.949	24.247	9	326.3	20.11	368.9	301.9	9
30	24.694	.2104	24.946	24.245	9	326.5	20.09	369.3	302.4	9
50	24.800	.1770	25.024	24.455	9	316.7	16.92	349.7	295.3	9
75	25.408	.2633	25.913	25.117	9	325.0	25.18	286.9	210.8	9
100	25.723	.2290	26.106	25.342	9	322.9	21.86	265.8	192.8	9
125	26.164	.1801	26.380	25.891	9	318.7	17.13	213.6	167.2	9
150	26.434	.1298	26.573	26.219	9	322.6	12.40	182.9	149.3	9
175	26.556	.0855	26.650	26.466	9	315.3	8.22	159.8	142.1	9
200	26.637	.0663	26.724	26.564	9	313.9	6.42	150.8	135.4	9
225	26.689	.0561	26.769	26.622	9	315.2	5.49	145.7	131.3	9
250	26.731	.0492	26.810	26.669	9	315.4	4.83	141.4	127.6	9
300	26.805	.0438	26.891	26.749	9	128.7	4.31	134.2	120.3	9
400	26.930	.0325	26.999	26.887	9	117.4	3.19	121.7	110.7	9
500	27.040	.0299	27.104	27.003	9	107.6	2.92	111.4	101.5	9
600	27.130	.0248	27.182	27.099	9	99.6	2.41	102.7	94.5	9
700	27.211	.0213	27.249	27.181	9	92.5	2.08	95.4	88.8	9
800	27.279	.0195	27.311	27.249	9	86.5	1.98	89.5	83.2	9
900	27.339	.0199	27.375	27.314	9	81.2	1.92	83.8	77.7	9
1000	27.390	.0202	27.423	27.356	9	76.7	1.98	79.7	73.3	9
1200	27.477	.0162	27.507	27.460	9	68.9	1.61	70.6	65.9	9
1500	27.562	.0215	27.584	27.526	9	61.3	2.46	65.4	58.9	9
2000	27.648	.0359	27.672	27.607	9	53.6	4.26	58.8	51.1	9
2500	27.669	n/a	n/a	n/a	1	53.6	n/a	n/a	n/a	1

THETA

SVA (THETA)

PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	11.21	1.002	13.29	10.12	9	327.9	21.74	368.4	302.1	9
10	11.16	.982	13.29	10.09	9	326.3	20.12	368.4	301.7	9
20	11.16	.977	13.29	10.12	9	325.8	20.10	368.4	301.4	9
30	11.17	.981	13.30	10.11	9	325.8	20.03	368.5	301.8	9
50	10.78	.840	12.93	10.01	9	315.6	16.85	348.5	294.3	9
75	8.31	1.077	9.71	6.83	9	315.7	25.02	285.4	209.7	9
100	7.60	.630	8.73	6.59	9	227.7	21.76	264.0	191.4	9
125	7.24	.489	7.99	6.38	9	185.8	17.11	211.8	165.4	9
150	6.97	.439	7.59	6.25	9	160.2	12.31	180.6	147.0	9
175	6.73	.410	7.28	6.07	9	148.6	8.08	157.1	139.7	9
200	6.44	.415	6.89	5.76	9	140.9	6.27	147.8	132.7	9
225	6.18	.399	6.59	5.52	9	136.0	5.31	142.3	128.4	9
250	5.90	.379	6.32	5.31	9	132.0	4.61	137.7	124.5	9
300	5.45	.280	5.84	4.99	9	124.9	4.14	130.2	116.8	9
400	4.76	.211	5.05	4.49	9	113.0	3.04	117.0	106.5	9
500	4.33	.165	4.62	4.17	9	102.5	2.81	105.9	96.4	9
600	4.02	.108	4.17	3.84	9	93.9	2.32	96.8	89.0	9
700	3.76	.106	3.92	3.64	9	86.2	1.99	89.0	82.6	9
800	3.53	.114	3.71	3.38	9	79.7	1.83	82.5	76.7	9
900	3.33	.094	4.49	3.23	9	74.0	1.85	76.3	70.6	9
1000	3.12	.073	3.23	2.01	9	69.1	1.94	72.4	66.0	9
1200	2.76	.065	2.83	2.66	9	60.8	1.51	62.4	57.9	9
1500	2.32	.125	2.53	2.21	9	52.6	2.05	56.0	50.6	9
2000	1.89	.199	2.12	1.77	9	44.2	3.36	48.1	42.0	9
2500	1.80	n/a	n/a	n/a	1	42.0	n/a	n/a	n/a	1

STATION MP12 NOVEMBER 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	99	.00	.000	.00	.00	99
10	.327	.0218	.370	.300	99	.02	.000	.02	.02	99
20	.656	.0413	.740	.600	99	.07	.007	.08	.06	99
30	.981	.0607	1.110	.910	99	.15	.009	.17	.14	99
40	1.341	.0958	1.830	1.510	99	.42	.024	.47	.39	99
50	2.347	.1210	2.540	2.190	99	.87	.048	.93	.81	99
75	2.952	.1542	3.140	2.780	99	1.41	.090	1.54	1.27	99
100	4.476	.1976	3.740	3.230	99	2.00	.149	2.23	1.78	99
125	5.021	.2826	5.370	4.670	99	2.61	.194	2.89	2.33	99
150	5.363	.2929	5.730	4.990	99	3.96	.233	3.57	2.93	99
200	6.022	.3106	6.410	5.610	99	4.73	.293	4.31	3.60	99
300	7.252	.3415	7.690	6.770	99	5.56	.324	5.96	5.10	99
500	8.379	.3619	8.840	7.830	99	7.41	.379	7.88	6.84	99
600	9.410	.3801	9.900	8.810	99	16.94	.494	12.42	10.95	99
700	10.370	.4008	10.890	9.720	99	22.74	.608	17.71	15.82	99
800	11.264	.4173	11.810	10.580	99	29.07	.744	23.65	21.29	99
900	12.101	.4369	12.670	11.380	99	35.91	.892	30.17	27.33	99
1000	12.891	.4518	13.480	12.140	99	43.17	1.035	37.23	33.92	99
1200	14.310	.5026	14.960	13.520	99	50.80	1.202	44.70	40.86	99
1500	16.254	.4506	16.750	15.860	99	66.92	1.755	69.10	63.70	99
2000	19.347	.6542	19.860	18.610	99	94.00	1.728	95.87	91.87	99
2500	22.670	n/a	n/a	n/a	1	146.01	5.250	151.24	140.74	99
						215.60	n/a	n/a	n/a	1

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	6.30	.229	6.48	6.04	3	1491	3.3	1498	1488	99
10	6.35	.132	6.47	6.21	99	1491	3.4	1499	1488	99
20	6.34	.130	6.47	6.21	99	1492	3.4	1499	1488	99
30	6.33	.135	6.47	6.20	99	1492	3.4	1499	1488	99
50	6.32	.150	6.47	6.17	99	1491	3.0	1497	1488	99
75	6.27	.293	6.49	5.94	99	1482	2.9	1487	1477	99
100	5.85	.514	6.32	5.30	99	1480	2.2	1484	1477	99
125	4.71	.979	5.80	5.91	99	1480	1.6	1483	1477	99
150	4.18	.630	4.91	4.80	99	1480	1.6	1482	1477	99
175	4.81	.369	4.23	3.53	99	1479	1.7	1482	1477	99
200	5.51	.410	3.93	3.11	99	1479	1.6	1480	1476	99
225	5.27	.397	3.64	2.85	99	1478	1.8	1480	1475	99
250	5.04	.386	3.38	2.62	99	1478	1.4	1479	1475	99
300	5.47	.464	2.89	1.97	99	1477	1.0	1478	1475	99
400	1.51	.320	1.83	1.19	99	1476	1.0	1477	1474	99
500	.96	.172	1.16	.84	99	1475	.9	1477	1475	99
600	.72	.120	.84	.60	99	1476	.4	1476	1475	99
700	.50	.074	.56	.42	99	1476	.5	1477	1476	99
800	.59	.087	.44	.29	99	1477	.5	1478	1477	99
900	.55	.072	.40	.27	99	1478	.4	1479	1478	99
1000	.54	.056	.39	.28	99	1479	.0	1479	1479	99
1200	.46	.057	.50	.42	99	1481	.4	1481	1480	99
1500	.76	.000	.76	.76	99	1484	.4	1485	1484	99
2000	1.60	n/a	n/a	n/a	1	1491	1.2	1492	1490	99
2500	n/a	n/a	n/a	n/a	0	1499	n/a	n/a	n/a	1

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.890	.4526	13.478	12.137	99
10	12.563	.4467	13.150	11.807	99
20	12.236	.4425	12.821	11.477	99
50	11.910	.4393	12.493	11.147	99
75	11.258	.4331	11.836	10.483	99
100	10.545	.3754	11.029	9.858	99
125	9.938	.3223	10.350	9.356	99
150	9.416	.2761	9.754	8.911	99
175	8.982	.2484	9.308	8.516	99
200	8.592	.2292	8.899	8.150	99
225	8.223	.2144	8.513	7.803	99
250	7.870	.2011	8.142	7.469	99
300	6.867	.1897	7.784	7.146	99
400	5.638	.1685	7.095	6.524	99
500	4.512	.1314	5.816	5.371	99
600	3.478	.1041	4.652	4.308	99
700	2.521	.0790	3.583	3.332	99
800	1.626	.0382	1.678	1.557	99
900	.788	.0187	.815	.756	99
1000	.000	.0000	.000	.000	99
1200	-1.448	.0311	-1.385	-1.482	99
1500	-3.410	.0683	-3.314	-3.503	99
2000	-6.312	.2848	-6.062	-6.622	99
2500	-9.430	n/a	n/a	n/a	1

STATION MP12 D E C E M B E R 1956 to 1990

TEMPERATURE						SALINITY					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.25	.675	11.17	8.85	16	32.465	.1095	32.670	32.300	16	
10	10.24	.693	11.17	8.85	16	32.466	.1095	32.670	32.300	16	
20	10.24	.698	11.17	8.85	16	32.467	.1116	32.679	32.300	16	
30	10.24	.696	11.18	8.85	16	32.469	.1124	32.690	32.300	16	
50	10.22	.670	11.08	8.85	16	32.477	.1142	32.725	32.300	16	
75	8.46	1.122	10.82	7.17	16	32.632	.0951	32.840	32.450	16	
100	7.06	.474	8.29	6.31	16	32.918	.2017	33.451	32.701	16	
125	6.79	.318	7.42	6.43	16	33.225	.2416	33.762	32.808	16	
150	6.71	.287	7.17	6.41	16	33.532	.1457	33.857	33.267	16	
175	6.57	.274	7.09	6.25	16	33.742	.0716	33.886	33.634	16	
200	6.37	.263	6.75	6.02	16	33.845	.0406	33.910	33.778	16	
225	6.04	.281	6.53	5.65	16	33.877	.0464	33.940	33.789	16	
250	5.74	.281	6.21	5.32	16	33.889	.0447	33.949	33.806	16	
300	5.24	.217	5.66	5.00	16	33.907	.0458	33.979	33.829	16	
400	4.61	.170	4.92	4.38	15	33.980	.0467	34.059	33.896	15	
500	4.23	.126	4.52	4.04	15	34.059	.0389	34.131	33.982	15	
600	3.98	.105	4.23	3.85	15	34.144	.0306	34.197	34.072	15	
700	3.77	.081	3.99	3.69	15	34.217	.0312	34.253	34.139	15	
800	3.58	.068	3.74	3.48	15	34.277	.0330	34.308	34.197	15	
900	3.39	.081	3.52	3.28	15	34.322	.0399	34.358	34.219	15	
1000	3.29	.082	3.33	3.08	15	34.363	.0441	34.405	34.219	15	
1200	2.86	.062	2.97	2.77	15	34.450	.0371	34.470	34.325	15	
1500	2.40	.052	2.49	2.31	7	34.496	.0271	34.527	34.447	7	
2000	1.94	.007	1.94	1.93	2	34.573	.0081	34.579	34.567	2	
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

SIGMA T						SVA					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	24.953	.1160	25.225	24.729	16	301.1	11.06	322.5	275.2	16	
10	24.957	.1168	25.225	24.738	16	301.0	11.13	321.8	275.4	16	
20	24.958	.1170	25.225	24.745	16	301.0	11.17	321.4	275.6	16	
30	24.959	.1161	25.225	24.749	16	301.1	11.10	321.2	275.7	16	
50	24.969	.1082	25.225	24.788	16	300.6	10.34	317.9	276.1	16	
75	25.366	.2052	25.603	24.962	16	263.1	19.67	301.8	240.5	16	
100	25.796	.1675	26.226	25.515	16	222.4	15.90	249.1	181.6	16	
125	26.073	.2029	26.496	25.750	16	196.4	19.25	227.1	156.3	16	
150	26.325	.1396	26.607	26.083	16	172.8	13.28	195.7	146.0	16	
175	26.508	.0835	26.657	26.365	16	155.8	7.98	169.4	141.5	16	
200	26.616	.0508	26.707	26.560	16	145.8	4.88	151.3	137.1	16	
225	26.682	.0473	26.777	26.629	16	139.7	4.56	145.0	130.6	16	
250	26.729	.0460	26.825	26.670	16	135.4	4.45	141.3	126.2	16	
300	26.804	.0405	26.876	26.739	16	128.6	3.90	135.0	121.7	16	
400	26.934	.0352	26.996	26.876	15	116.9	3.34	122.6	111.0	15	
500	27.037	.0276	27.087	26.984	15	107.7	2.61	112.9	102.9	15	
600	27.130	.0251	27.164	27.082	15	99.5	2.40	104.0	96.1	15	
700	27.209	.0255	27.239	27.155	15	92.5	2.45	97.5	89.7	15	
800	27.276	.0271	27.300	27.208	15	86.8	2.56	93.2	84.5	15	
900	27.330	.0345	27.361	27.221	15	82.0	3.31	92.4	78.9	15	
1000	27.379	.0385	27.414	27.254	15	77.7	3.70	89.7	74.2	15	
1200	27.466	.0323	27.491	27.371	13	70.0	3.08	79.1	67.5	14	
1500	27.558	.0255	27.582	27.511	7	61.5	2.47	66.2	59.1	7	
2000	27.657	.0062	27.662	27.652	2	52.6	.71	53.1	52.1	2	
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

THETA						SVA (THETA)					
PRESS	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
0	10.25	.675	11.17	8.85	16	301.1	11.06	322.5	275.2	16	
10	10.24	.693	11.17	8.85	16	300.8	11.13	321.6	275.2	16	
20	10.24	.698	11.17	8.85	16	300.6	11.16	320.9	275.2	16	
50	10.23	.694	11.17	8.85	16	299.5	11.05	320.5	275.2	16	
75	10.21	.670	11.07	8.84	16	261.8	19.50	300.2	239.2	16	
100	8.45	1.122	10.81	7.17	16	220.9	15.91	247.5	180.0	16	
125	7.05	.473	8.28	6.31	16	194.5	19.25	225.1	154.4	16	
150	6.78	.318	7.41	6.42	16	170.6	13.24	193.5	143.8	16	
175	6.70	.287	7.16	6.40	16	153.1	7.93	166.7	139.0	16	
200	6.56	.276	7.07	6.23	16	142.8	4.79	148.2	134.3	16	
225	6.02	.281	6.51	5.63	16	136.6	4.47	141.6	127.6	16	
250	5.72	.283	6.19	5.29	16	132.1	4.36	137.7	123.1	16	
300	5.22	.214	5.63	4.98	16	125.0	3.84	131.1	118.2	16	
400	4.58	.170	4.89	4.35	15	112.7	3.33	118.1	106.8	15	
500	4.20	.124	4.48	4.01	15	102.8	2.61	107.8	98.1	15	
600	3.94	.105	4.19	3.81	15	93.9	2.38	98.5	90.7	15	
700	3.72	.081	3.94	3.64	15	86.3	2.43	91.5	83.5	15	
800	3.52	.068	3.68	3.42	15	80.0	2.57	86.5	77.7	15	
900	3.33	.079	3.45	3.22	15	74.8	2.25	85.1	71.9	15	
1000	3.15	.081	3.26	3.01	15	70.1	2.65	82.0	66.9	15	
1200	2.78	.061	2.89	2.69	13	61.9	2.05	70.8	59.5	13	
1500	2.29	.050	2.38	2.21	7	53.0	2.38	57.4	50.7	7	
2000	1.79	.007	1.80	1.79	2	43.4	.71	43.9	42.9	2	
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	

STATION MP12 D E C E M B E R 1956 to 1990

PRESS	DELTA D					POT. ENERGY				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	.000	.000	.000	.000	16	.00	.00	.00	.00	16
10	.301	.0102	.320	.280	16	.02	.004	.02	.01	16
20	.603	.0250	.650	.550	16	.06	.003	.07	.06	16
30	.906	.0327	1.970	1.380	16	.14	.005	.15	.13	16
50	1.508	.0560	1.610	1.380	16	.39	.015	.41	.35	16
75	2.216	.0619	2.310	2.070	16	.84	.026	.87	.79	16
100	2.816	.0790	2.960	2.670	16	1.37	.048	1.48	1.30	16
125	3.342	.1124	3.560	3.120	16	1.97	.091	2.16	1.79	16
150	3.802	.1451	4.080	3.500	16	2.61	.144	2.89	2.32	16
175	4.213	.1672	4.530	3.860	16	3.29	.184	3.64	2.91	16
200	4.588	.1803	4.930	4.200	16	4.01	.208	4.39	3.58	16
225	4.942	.1888	5.300	4.540	16	4.78	.231	5.20	4.31	16
250	5.287	.1963	5.650	4.870	16	5.61	.254	6.06	5.11	16
300	5.946	.2120	5.340	5.10	16	7.46	.306	8.00	6.90	16
400	7.173	.2510	7.640	6.710	15	11.83	.431	12.59	11.15	15
500	8.295	.2747	8.810	7.810	15	16.97	.550	17.96	16.05	15
600	9.329	.2926	9.890	8.830	15	22.77	.669	24.03	21.63	15
700	10.289	.3102	10.890	9.780	15	29.11	.794	30.64	27.79	15
800	11.184	.3282	11.820	10.670	15	35.96	.946	37.72	34.45	15
900	12.027	.3456	12.690	11.510	15	43.27	1.137	45.26	41.62	15
1000	12.827	.3668	13.500	12.300	15	51.01	1.419	53.93	49.12	15
1200	14.342	.4290	15.010	13.720	15	67.70	2.173	72.82	64.88	15
1500	16.450	.5528	17.180	15.650	7	95.68	5.587	102.56	92.38	7
2000	19.890	.3677	20.150	19.630	2	151.55	5.176	155.21	147.89	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	OXYGEN					SOUND				
	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
0	n/a	n/a	n/a	n/a	0	1488	2.4	1491	1483	16
10	n/a	n/a	n/a	n/a	0	1488	2.7	1492	1483	16
20	n/a	n/a	n/a	n/a	0	1488	2.7	1492	1483	16
30	n/a	n/a	n/a	n/a	0	1489	2.8	1492	1483	16
50	n/a	n/a	n/a	n/a	0	1489	2.6	1492	1484	16
75	n/a	n/a	n/a	n/a	0	1489	4.2	1492	1478	16
100	n/a	n/a	n/a	n/a	0	1478	1.9	1483	1475	16
125	n/a	n/a	n/a	n/a	0	1478	1.4	1480	1476	16
150	n/a	n/a	n/a	n/a	0	1478	1.3	1480	1477	16
175	n/a	n/a	n/a	n/a	0	1479	1.1	1481	1477	16
200	n/a	n/a	n/a	n/a	0	1478	1.1	1480	1477	16
225	n/a	n/a	n/a	n/a	0	1477	1.2	1479	1476	16
250	n/a	n/a	n/a	n/a	0	1477	1.3	1479	1475	16
300	n/a	n/a	n/a	n/a	0	1475	1.0	1477	1474	16
400	n/a	n/a	n/a	n/a	0	1475	.7	1476	1474	15
500	n/a	n/a	n/a	n/a	0	1475	.6	1476	1474	15
600	n/a	n/a	n/a	n/a	0	1475	.6	1477	1475	15
700	n/a	n/a	n/a	n/a	0	1476	.4	1477	1476	15
800	n/a	n/a	n/a	n/a	0	1477	.3	1478	1477	15
900	n/a	n/a	n/a	n/a	0	1478	.4	1479	1478	15
1000	n/a	n/a	n/a	n/a	0	1479	.3	1480	1479	15
1200	n/a	n/a	n/a	n/a	0	1481	.0	1481	1481	15
1500	n/a	n/a	n/a	n/a	0	1484	.0	1484	1484	15
2000	n/a	n/a	n/a	n/a	0	1490	.0	1490	1490	2
2500	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0

PRESS	DELTA DH				
	MEAN	S.D.	MAX	MIN	N
0	12.827	.3676	13.503	12.296	15
10	12.526	.3669	13.201	12.006	15
20	12.225	.3659	12.898	11.712	15
30	11.924	.3655	12.595	11.410	15
50	11.320	.3676	11.988	10.796	15
75	10.608	.3473	11.228	10.104	15
100	10.007	.3177	10.542	9.534	15
125	9.483	.2773	9.945	9.054	15
150	9.024	.2439	9.438	8.633	15
175	8.615	.2259	9.008	8.254	15
200	8.242	.2151	8.619	7.905	15
225	7.885	.2060	8.251	7.571	15
250	7.542	.1970	7.698	7.249	15
300	6.883	.1791	7.215	6.626	15
400	5.655	.1455	5.947	5.467	15
500	4.533	.1217	4.808	4.399	15
600	3.498	.1034	3.761	3.400	15
700	2.539	.0860	2.784	2.464	15
800	1.643	.0652	1.847	1.588	15
900	.800	.0365	.918	.767	15
1000	.000	.0000	.000	.000	15
1200	-1.476	.0708	-1.406	-1.686	7
1500	-3.481	.1782	-3.333	-3.853	7
2000	-6.603	.3055	-6.387	-6.819	2
2500	n/a	n/a	n/a	n/a	0

Table 26. As in Table 14, for Station 6 (P12).

Table 26 : STATION MP12 A L L D A T A (JANUARY-DECEMBER) 1956 to 1990

TEMPERATURE						SALINITY						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.60	15.94	.247	16.34	15.70	8	32.176	.0632	32.276	32.111	8		
23.80	15.35	.442	16.35	14.55	24	32.287	.1066	32.587	32.086	24		
24.00	14.57	.557	15.68	13.23	40	32.335	.1243	32.619	32.110	40		
24.20	13.81	.567	14.84	12.47	59	32.387	.1299	32.639	32.132	59		
24.40	12.89	.539	13.88	11.41	74	32.404	.1296	32.647	32.027	74		
24.60	11.96	.499	13.08	10.63	83	32.435	.1117	32.680	32.166	83		
24.80	11.00	.499	12.03	9.16	99	32.464	.1068	32.683	32.055	99		
25.00	10.00	.493	11.08	8.07	122	32.492	.1035	32.709	32.088	122		
25.20	9.04	.430	10.35	7.93	149	32.542	.0872	32.805	32.328	149		
25.40	8.08	.392	9.52	7.24	187	32.604	.0762	32.898	32.448	187		
25.60	7.43	.458	8.71	6.31	209	32.740	.0844	32.006	32.544	209		
25.80	7.11	.483	8.56	5.69	213	32.940	.0859	32.202	32.709	213		
26.00	6.96	.427	8.54	5.86	213	33.168	.0747	33.453	32.986	213		
26.20	6.88	.390	8.49	6.03	214	33.405	.0679	33.698	32.263	214		
26.40	6.77	.358	8.07	6.05	213	33.641	.0580	33.872	32.519	213		
26.60	6.45	.253	7.36	5.83	212	33.839	.0423	33.996	33.738	212		
26.80	5.34	.260	6.35	4.74	212	33.918	.0393	34.076	33.830	212		
27.00	4.43	.217	5.16	4.02	205	34.042	.0299	34.143	33.986	205		
27.10	4.14	.177	4.65	3.78	204	34.128	.0237	34.196	34.084	204		
27.20	3.86	.142	4.32	3.62	203	34.218	.0182	34.280	34.186	203		
27.30	3.55	.115	3.85	3.18	202	34.305	.0138	34.341	34.263	202		
27.40	3.20	.095	3.49	2.87	196	34.387	.0109	34.422	34.352	196		
27.50	2.74	.090	3.10	2.50	178	34.462	.0097	34.502	34.437	178		
27.60	2.26	.075	2.44	2.13	36	34.538	.0076	34.554	34.525	36		
SIGMA -T.	DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.60	19	12.2	31	1	8	430.6	.35	430.9	430.1	8		
23.80	20	10.4	35	0	24	411.5	.24	411.8	410.9	24		
24.00	23	9.3	39	3	40	392.4	.23	392.8	391.7	40		
24.20	26	10.2	50	1	59	373.4	.26	374.1	372.6	59		
24.40	29	10.4	56	1	74	354.3	.25	354.9	353.7	74		
24.60	34	11.0	63	9	83	335.3	.25	335.9	334.7	83		
24.80	38	12.6	70	0	99	316.4	.27	317.1	315.7	99		
25.00	44	13.4	77	8	122	297.4	.28	298.2	296.8	122		
25.20	51	15.5	87	0	149	278.5	.28	279.2	277.6	149		
25.40	67	18.9	110	0	187	259.5	.31	260.3	258.6	187		
25.60	86	15.4	128	24	209	240.8	.25	241.5	239.9	209		
25.80	101	13.9	139	51	213	221.9	.23	222.5	221.2	213		
26.00	113	14.4	149	57	214	203.1	.22	203.6	202.2	213		
26.20	127	15.6	160	67	214	184.3	.24	185.0	183.4	214		
26.40	147	15.0	179	108	213	165.7	.24	166.3	165.2	213		
26.60	188	19.5	260	137	212	147.2	.32	148.6	146.4	212		
26.80	293	26.7	421	214	212	129.6	.36	131.1	128.3	212		
27.00	458	29.9	585	369	205	111.0	.37	112.7	109.9	205		
27.10	559	31.7	662	421	204	102.2	.34	103.4	101.3	204		
27.20	679	36.6	776	481	203	93.4	.34	94.8	92.3	203		
27.30	827	39.1	1068	685	202	84.7	.32	85.8	84.0	202		
27.40	1011	43.2	1246	879	196	75.9	.26	76.7	75.3	196		
27.50	1258	57.1	1466	1099	178	66.9	.25	68.1	66.3	178		
27.60	1631	118.9	1973	1407	36	58.0	.44	59.5	57.4	36		
SIGMA -T.	THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N		
23.60	15.94	.246	16.34	15.70	8	428.6	1.62	429.9	424.9	8		
23.80	15.35	.442	16.35	14.55	24	408.1	4.04	410.9	391.1	24		
24.00	14.57	.557	15.67	13.23	40	388.8	5.40	391.9	365.1	40		
24.20	13.81	.567	14.83	12.47	59	369.9	4.03	372.8	351.0	59		
24.40	12.88	.540	13.88	11.41	74	351.1	3.05	353.7	341.3	74		
24.60	11.96	.499	13.08	10.62	83	332.0	2.81	334.7	322.6	83		
24.80	10.99	.498	12.03	9.16	99	313.2	2.65	315.7	304.9	99		
25.00	10.00	.492	11.08	8.06	122	294.9	2.03	296.6	288.5	122		
25.20	9.04	.429	10.34	7.93	149	276.5	1.27	277.6	268.7	149		
25.40	8.07	.391	9.51	7.24	187	258.0	.83	258.6	250.4	187		
25.60	7.42	.458	8.71	6.50	209	239.0	.68	239.5	233.7	209		
25.80	7.10	.483	8.56	5.69	213	220.0	.61	220.5	216.7	213		
26.00	6.95	.427	8.53	5.86	213	201.0	.45	201.4	198.8	213		
26.20	6.86	.390	8.48	6.02	214	182.2	.25	182.5	181.3	214		
26.40	6.76	.348	8.06	6.04	213	163.3	.16	163.5	162.7	213		
26.60	6.43	.253	7.34	5.81	212	144.4	.05	144.5	144.2	212		
26.80	5.32	.259	6.33	4.72	212	125.3	.13	125.4	124.7	212		
27.00	4.40	.216	5.12	3.99	205	106.2	.11	106.4	105.8	205		
27.10	4.10	.177	4.60	3.74	204	96.7	.08	96.8	96.2	204		
27.20	3.81	.141	4.28	3.57	203	87.2	.06	87.3	86.8	203		
27.30	3.49	.113	3.79	3.11	202	77.6	.06	77.7	77.3	202		
27.40	3.12	.096	4.30	3.78	196	68.1	.08	68.2	67.8	196		
27.50	2.66	.093	3.03	3.41	178	58.5	.11	58.6	58.2	178		
27.60	2.15	.081	2.35	2.01	36	48.7	.15	49.0	48.4	36		

STATION MP12 ALL DATA (JANUARY-DECEMBER) 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	.854	.5610	1.400	.030	8	.11	.094	.22	.00	8	
23.80	.866	.4603	1.580	.000	24	.11	.084	.28	.00	24	
24.00	.947	.4083	1.750	.120	40	.13	.088	.34	.00	40	
24.20	.036	.4327	1.930	.020	59	.16	.104	.49	.00	59	
24.40	.137	.4321	2.170	.050	74	.19	.118	.62	.00	74	
24.60	.289	.4461	2.400	.300	83	.24	.146	.77	.01	83	
24.80	.1403	.4850	2.620	.000	99	.30	.174	.91	.00	99	
25.00	.548	.4913	2.840	.230	122	.37	.207	1.08	.01	122	
25.20	.700	.5553	3.140	.000	149	.47	.254	1.33	.00	149	
25.40	.062	.6216	3.830	.000	187	.73	.357	1.90	.00	187	
25.60	.500	.5311	4.280	.600	209	1.08	.372	2.45	.07	209	
25.80	.837	.5084	4.470	1.470	213	1.40	.397	2.71	.37	213	
26.00	.3104	.5147	4.640	1.600	213	1.69	.435	2.95	.44	213	
26.20	.363	.5361	4.800	1.650	214	2.02	.495	3.30	.56	214	
26.40	.719	.5118	5.090	2.330	213	2.51	.529	3.88	1.20	213	
26.60	.4356	.5404	5.720	2.980	212	.62	.733	6.05	1.94	212	
26.80	.811	.6106	7.350	4.110	212	7.21	1.308	13.62	3.91	212	
27.00	.7806	.6231	9.460	6.200	205	14.86	1.998	24.02	9.81	205	
27.10	.8893	.6400	10.550	6.790	204	20.55	2.397	29.41	12.14	204	
27.20	.076	.6571	11.610	7.380	203	28.09	3.029	36.93	14.87	203	
27.30	.414	.6603	14.020	9.330	202	38.42	3.748	61.24	27.67	202	
27.40	.897	.6900	15.470	10.680	196	52.47	4.614	78.57	38.84	196	
27.50	.661	.7486	16.960	12.270	178	73.25	6.551	99.29	54.95	178	
27.60	.17.146	1.1770	19.640	15.140	36	108.66	15.274	153.73	82.67	36	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	12.582	.4484	13.603	12.182	8	13.397	.4143	13.862	12.728	8	
23.80	12.359	.4121	13.447	11.653	23	13.178	.3740	13.798	12.493	23	
24.00	12.206	.3872	13.271	11.141	58	13.101	.3429	13.726	12.284	38	
24.20	12.076	.3807	13.153	11.032	56	13.043	.3151	13.647	12.225	56	
24.40	11.915	.3828	13.012	10.915	70	12.960	.3226	13.561	12.160	70	
24.60	11.747	.3795	12.943	10.747	78	12.892	.3087	13.498	12.090	78	
24.80	11.609	.4020	12.781	10.540	94	12.823	.3100	13.431	12.014	94	
25.00	11.404	.3781	12.308	10.422	114	12.734	.3091	13.464	11.932	114	
25.20	11.190	.4081	12.547	10.316	141	12.628	.2925	13.309	11.841	141	
25.40	10.752	.4521	12.577	9.777	179	12.509	.2825	13.150	11.752	179	
25.60	10.243	.3023	11.720	9.479	199	12.332	.2795	12.998	11.490	199	
25.80	.8889	.2667	11.588	9.266	202	12.150	.2643	12.820	11.333	202	
26.00	.622	.2721	11.459	9.028	202	11.946	.2500	12.638	11.157	202	
26.20	.360	.2815	11.274	8.773	203	11.719	.2364	12.512	10.961	203	
26.40	.006	.2361	10.366	8.422	202	11.463	.2236	12.355	10.751	202	
26.60	.369	.2071	8.963	7.667	202	11.158	.2067	12.058	10.499	202	
26.80	.914	.2389	7.799	5.882	202	10.729	.1754	11.442	10.175	202	
27.00	.4927	.2596	5.602	3.861	202	10.058	.1316	10.509	9.657	202	
27.10	.3837	.2358	4.484	3.019	202	9.607	.1081	9.922	9.262	202	
27.20	.2651	.2605	3.521	1.803	202	9.060	.0839	9.343	8.802	202	
27.30	.1327	.3062	2.499	-0.689	202	8.397	.0552	8.554	8.215	202	
27.40	-0.164	.3402	.826	-2.145	196	7.584	.0250	7.650	7.486	196	
27.50	-1.941	.4392	-0.759	-3.637	178	6.561	.0475	6.670	6.231	178	
27.60	-4.296	.8643	-2.735	-6.812	36	5.283	.1246	5.528	4.768	36	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	4.32	n/a	n/a	n/a	1	1507	1.0	1509	1506	8	
23.80	5.59	.847	6.22	4.39	4	1505	1.6	1509	1502	24	
24.00	5.89	.673	6.47	4.44	7	1503	1.9	1507	1498	40	
24.20	6.01	.718	6.70	4.49	7	1501	2.0	1504	1496	59	
24.40	6.07	.748	6.90	4.54	7	1498	2.0	1501	1492	74	
24.60	6.21	.590	6.92	4.63	11	1495	1.9	1499	1490	83	
24.80	6.29	.542	6.93	4.77	12	1491	1.9	1495	1484	99	
25.00	6.49	.582	7.34	4.90	15	1488	2.0	1492	1480	122	
25.20	6.53	.593	7.48	5.02	16	1485	1.8	1490	1479	149	
25.40	6.52	.449	7.18	5.74	20	1481	1.7	1487	1477	187	
25.60	6.20	.431	6.76	5.32	23	1479	2.0	1484	1474	209	
25.80	5.70	.403	6.21	4.72	23	1478	2.0	1484	1472	213	
26.00	5.20	.395	5.76	4.17	23	1478	1.8	1484	1473	213	
26.20	4.73	.393	5.41	3.88	23	1479	1.6	1484	1474	214	
26.40	4.28	.424	5.08	3.30	23	1479	1.5	1484	1476	213	
26.60	3.73	.521	4.66	2.32	23	1478	1.2	1483	1476	212	
26.80	2.48	.346	3.07	2.03	23	1476	1.2	1481	1473	212	
27.00	1.17	.236	1.78	.78	22	1475	1.1	1478	1472	205	
27.10	.82	.207	1.42	.54	21	1476	.9	1479	1473	204	
27.20	.58	.156	1.06	.33	21	1476	.8	1479	1475	203	
27.30	.41	.084	.55	.21	20	1478	.7	1480	1476	202	
27.40	.40	.078	.54	.27	20	1479	.7	1482	1478	196	
27.50	.57	.079	.68	.42	18	1482	.8	1485	1480	178	
27.60	1.00	.122	1.20	.85	8	1486	1.8	1492	1483	36	

Table 27. As in Table 15, for Station 6 (P12).

Table 27 : STATION MP12 J A N U A R Y 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	9.99	.299	9.28	8.81	14	32.447	.0355	32.580	32.500	14	
25.20	9.99	.274	8.57	7.54	14	32.534	.0530	32.689	32.497	14	
25.40	7.45	.416	8.40	6.75	16	32.582	.0770	32.912	32.616	16	
25.60	6.96	.533	7.69	6.06	16	32.744	.0969	33.049	32.759	16	
25.80	6.73	.476	7.47	5.88	16	32.917	.0829	33.272	32.986	16	
26.00	6.66	.389	7.33	6.03	16	33.127	.0657	33.482	33.263	16	
26.20	6.58	.302	7.17	6.12	16	33.608	.0515	33.710	33.530	16	
26.40	6.36	.220	6.67	5.99	16	33.824	.0367	33.876	33.763	16	
26.60	5.27	.297	5.97	4.95	16	33.907	.0449	34.014	33.860	16	
27.00	4.34	.216	4.77	4.11	16	34.029	.0301	34.087	33.997	16	
27.10	4.08	.182	4.42	3.88	16	34.120	.0244	34.166	34.093	16	
27.20	3.83	.127	4.06	3.68	16	34.213	.0160	34.245	34.193	16	
27.30	3.54	.098	3.69	3.37	16	34.302	.0117	34.322	34.283	16	
27.40	3.29	.105	3.40	3.03	16	34.387	.0115	34.411	34.368	16	
27.50	2.74	.087	2.91	2.58	14	34.461	.0097	34.480	34.443	14	
27.60	2.25	.038	2.28	2.21	3	34.536	.0022	34.537	34.534	3	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	52	3.34	n/a	n/a	1	n/a	n/a	n/a	n/a	1	
25.00	58	12.5	61	54	14	297.6	.04	278.6	278.5	14	
25.20	76	1.97	97	60	14	278.6	.19	260.1	259.4	14	
25.40	87	1.55	107	64	16	259.7	.23	241.1	240.4	16	
25.60	101	1.97	115	83	16	240.8	.20	222.2	221.5	16	
25.80	115	1.93	130	96	16	221.9	.15	203.3	202.8	16	
26.00	130	1.00	144	105	16	203.1	.13	184.6	184.1	16	
26.20	126	1.26	174	118	16	184.3	.19	166.0	165.2	16	
26.40	151	1.54	204	145	16	165.6	.22	147.5	146.6	16	
26.60	187	2.04	317	232	16	147.1	.22	129.2	128.4	16	
26.80	289	24.3	317	232	16	128.9	.32	111.7	110.5	16	
27.00	458	26.4	507	411	16	110.9	.102	102.9	101.8	16	
27.10	568	28.5	606	502	16	93.4	.29	94.0	93.1	16	
27.20	677	26.8	715	618	16	84.7	.22	85.2	84.3	16	
27.30	829	30.1	872	769	16	75.9	.33	76.4	75.3	16	
27.40	1016	43.3	1093	956	16	67.0	.43	68.1	66.4	14	
27.50	1273	75.5	1466	1196	14	58.5	.96	59.5	57.6	3	
27.60	1745	210.8	1973	1557	3						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	9.99	.214	9.28	8.80	4	296.6	.96	277.1	275.1	4	
25.00	8.99	.273	8.39	7.53	14	276.2	.75	258.5	255.8	14	
25.20	7.96	.410	8.39	7.74	16	258.1	.76	239.5	236.6	16	
25.40	7.44	.410	7.68	6.05	16	239.0	.86	220.5	217.7	16	
25.60	6.96	.533	7.68	5.87	16	219.8	.45	201.4	199.9	16	
25.80	6.72	.476	7.46	6.02	16	201.1	.26	182.4	181.7	16	
26.00	6.65	.388	7.32	6.10	16	182.2	.20	163.4	162.7	16	
26.20	6.57	.303	7.16	5.97	16	163.3	.03	144.4	144.3	16	
26.40	6.34	.220	6.65	5.97	16	144.4	.09	125.4	125.1	16	
26.60	5.24	.298	5.95	4.93	16	125.3	.11	106.3	106.0	16	
26.80	4.31	.217	4.74	4.07	16	106.2	.07	96.8	96.6	16	
27.00	4.04	.181	4.38	3.84	16	96.7	.04	87.2	87.1	16	
27.20	3.78	.127	4.02	3.62	16	87.2	.05	77.7	77.6	16	
27.30	3.48	.098	3.64	3.32	16	77.7	.06	68.1	67.9	16	
27.40	3.13	.105	3.33	2.96	16	68.1	.11	58.6	58.3	14	
27.50	2.65	.090	2.83	2.48	14	58.5	.20	48.9	48.5	3	
27.60	2.13	.036	2.16	2.09	3						
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	9.99	.214	9.28	8.80	4	296.6	.96	277.1	275.1	4	
25.00	8.99	.273	8.39	7.53	14	276.2	.75	258.5	255.8	14	
25.20	7.96	.410	8.39	7.74	16	258.1	.76	239.5	236.6	16	
25.40	7.44	.410	7.68	6.05	16	239.0	.86	220.5	217.7	16	
25.60	6.96	.533	7.68	5.87	16	219.8	.45	201.4	199.9	16	
25.80	6.72	.476	7.46	6.02	16	201.1	.26	182.4	181.7	16	
26.00	6.65	.388	7.32	6.10	16	182.2	.20	163.4	162.7	16	
26.20	6.57	.303	7.16	5.97	16	163.3	.03	144.4	144.3	16	
26.40	6.34	.220	6.65	5.97	16	144.4	.09	125.4	125.1	16	
26.60	5.24	.298	5.95	4.93	16	125.3	.11	106.3	106.0	16	
26.80	4.31	.217	4.74	4.07	16	106.2	.07	96.8	96.6	16	
27.00	4.04	.181	4.38	3.84	16	96.7	.04	87.2	87.1	16	
27.20	3.78	.127	4.02	3.62	16	87.2	.05	77.7	77.6	16	
27.30	3.48	.098	3.64	3.32	16	77.7	.06	68.1	67.9	16	
27.40	3.13	.105	3.33	2.96	16	68.1	.11	58.6	58.3	14	
27.50	2.65	.090	2.83	2.48	14	58.5	.20	48.9	48.5	3	
27.60	2.13	.036	2.16	2.09	3						

STATION MP12 J A N U A R Y 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	1.550	n/a	n/a	n/a	1	.41	n/a	n/a	n/a	0	
25.20	1.727	1.021	1.810	1.590	4	.52	.057	.56	.44	14	
25.40	2.101	.3114	2.570	1.620	14	.84	.265	1.34	.50	14	
25.60	2.347	.3388	2.840	1.710	16	1.06	.306	1.55	.56	16	
25.80	2.667	.2870	.070	2.140	16	1.35	.266	1.77	.89	16	
26.00	3.974	.2564	.330	2.550	16	1.69	.263	2.12	1.23	16	
26.20	3.260	.2482	.570	2.720	16	2.05	.289	2.51	1.41	16	
26.40	3.629	.2802	.990	2.940	16	2.59	.382	3.25	1.67	16	
26.60	4.189	.3333	4.560	3.360	16	3.56	.529	4.11	2.23	16	
26.80	5.594	.4216	6.140	4.540	16	7.00	1.035	8.40	4.50	16	
27.00	7.633	.4112	8.360	6.980	16	14.79	1.667	17.90	12.23	16	
27.10	8.724	.4467	9.470	7.940	16	20.49	2.097	24.15	16.78	16	
27.20	9.886	.4194	10.450	9.120	16	27.87	2.257	31.24	23.32	16	
27.30	11.248	.4412	11.790	10.420	16	38.41	2.822	42.67	32.95	16	
27.40	12.764	.5417	13.640	11.810	16	52.83	4.357	59.91	46.55	16	
27.50	14.589	.7695	16.360	13.570	14	74.69	8.359	95.71	66.09	14	
27.60	17.727	1.8067	19.640	16.050	3	123.44	28.172	153.73	98.02	3	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	11.275	n/a	n/a	n/a	1	12.823	n/a	n/a	n/a	1	
25.20	11.024	.1179	11.112	10.860	4	13.654	.0777	12.723	12.566	4	
25.40	10.461	.3470	11.038	9.786	14	12.456	.2255	12.859	11.966	14	
25.60	10.215	.3371	10.804	9.642	16	12.319	.2204	12.663	11.811	16	
25.80	9.896	.2167	10.278	9.503	16	12.142	.2124	12.453	11.645	16	
26.00	9.589	.1801	10.053	9.376	16	11.937	.2035	12.244	11.469	16	
26.20	9.303	.1444	9.684	9.081	16	11.707	.1921	12.007	11.281	16	
26.40	9.933	.1699	9.239	8.542	16	11.446	.1779	11.711	11.070	16	
26.60	8.373	.2024	8.586	7.868	16	11.138	.1636	11.393	10.835	16	
26.80	6.969	.2512	7.547	6.528	16	10.715	.1450	10.940	10.451	16	
27.00	4.929	.2177	5.241	4.512	16	10.051	.1092	10.243	9.838	16	
27.10	3.839	.2316	4.270	3.446	16	9.601	.0880	9.764	9.431	16	
27.20	2.676	.2048	3.132	2.379	16	9.056	.0655	9.188	8.937	16	
27.30	1.315	.2303	1.780	.977	16	8.399	.0506	8.486	8.324	16	
27.40	-0.201	.3376	.261	-0.811	16	7.588	.0302	7.634	7.525	16	
27.50	-2.057	.5764	-1.499	-6.531	14	6.557	.0424	6.628	6.464	14	
27.60	-5.148	1.5420	-3.767	-6.812	3	5.188	.1118	5.295	5.072	3	

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	14.488	n/a	n/a	n/a	1	
25.00	n/a	n/a	n/a	n/a	0	14.485	1.0	14.86	14.84	4	
25.20	n/a	n/a	n/a	n/a	0	14.81	1.1	14.83	14.79	14	
25.40	n/a	n/a	n/a	n/a	0	14.79	1.9	14.83	14.76	16	
25.60	n/a	n/a	n/a	n/a	0	14.78	2.3	14.81	14.74	16	
25.80	n/a	n/a	n/a	n/a	0	14.77	2.0	14.81	14.74	16	
26.00	n/a	n/a	n/a	n/a	0	14.78	1.5	14.80	14.75	16	
26.20	n/a	n/a	n/a	n/a	0	14.78	1.0	14.80	14.77	16	
26.40	n/a	n/a	n/a	n/a	0	14.75	1.0	14.77	14.74	16	
26.60	n/a	n/a	n/a	n/a	0	14.75	0.8	14.77	14.74	16	
26.80	n/a	n/a	n/a	n/a	0	14.76	0.6	14.78	14.76	16	
27.00	n/a	n/a	n/a	n/a	0	14.78	0.6	14.79	14.77	16	
27.10	n/a	n/a	n/a	n/a	0	14.79	0.7	14.81	14.78	16	
27.20	n/a	n/a	n/a	n/a	0	14.82	1.2	14.85	14.80	14	
27.30	n/a	n/a	n/a	n/a	0	14.88	3.6	14.92	14.85	3	

STATION MP12 FEBRUARY 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	8.97	.245	8.36	7.60	10	32.513	.0441	32.652	32.508	1	
25.20	7.87	.331	7.93	6.76	13	32.558	.0441	32.652	32.508	13	
25.40	7.51	.597	7.70	5.69	15	32.752	.0588	32.828	32.618	15	
25.60	7.05	.437	7.59	5.86	15	32.931	.0988	32.999	32.709	15	
25.80	6.95	.354	7.62	6.03	15	33.167	.0726	32.273	32.990	16	
26.00	6.90	.258	7.44	6.32	15	33.410	.0610	32.534	32.263	15	
26.20	6.88	.293	6.78	6.04	14	33.657	.0446	32.756	32.562	14	
26.40	6.47	.356	5.89	4.86	14	33.843	.0335	33.895	33.773	14	
26.60	5.38	.289	5.16	4.09	14	34.923	.0378	34.001	33.851	14	
27.00	4.48	.219	4.65	3.87	14	34.048	.0396	34.143	33.996	14	
27.10	4.13	.219	4.19	3.71	14	34.127	.0292	34.196	34.093	14	
27.20	3.87	.151	3.81	3.40	14	34.218	.0197	34.261	34.197	14	
27.30	3.57	.127	3.39	3.06	14	34.306	.0155	34.336	34.285	14	
27.40	3.29	.112	3.39	2.50	13	34.388	.0135	34.410	34.373	13	
27.50	2.74	.131	2.93	2.50	13	34.461	.0138	34.482	34.437	13	
27.60	2.29	.007	2.30	2.29	2	34.541	.0093	34.542	34.540	2	

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	58	34.3	100	70	10	278.6	.52	260.1	258.6	1	
25.20	59	12.3	112	74	13	259.5	.19	241.3	240.6	13	
25.40	91	14.9	119	66	15	240.9	.31	222.4	221.2	15	
25.60	97	17.1	128	68	15	221.9	.33	203.5	202.2	15	
25.80	107	22.2	150	70	15	203.0	.36	184.7	183.4	16	
26.00	118	18.0	171	108	15	184.2	.29	166.3	165.2	15	
26.20	141	23.0	247	155	14	165.6	.37	148.2	146.7	14	
26.40	185	53.9	558	240	14	147.2	.42	130.0	128.4	14	
26.80	290	34.5	531	408	14	129.0	.45	112.0	110.6	14	
27.00	467	34.0	609	511	14	102.3	.49	103.4	101.7	14	
27.10	570	34.0	609	511	14	93.6	.50	94.8	92.8	14	
27.20	694	41.0	765	630	14	84.8	.44	85.0	84.2	14	
27.30	832	48.5	898	742	14	75.9	.35	76.6	75.3	13	
27.40	1015	64.0	1099	889	13	66.9	.27	67.4	66.4	13	
27.50	1256	84.5	1408	1121	13	58.1	.28	58.3	57.9	2	
27.60	1608	43.8	1639	1577	2						

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	8.97	.234	8.35	7.59	10	277.5	.39	258.6	258.3	1	
25.20	7.86	.331	7.92	6.55	13	258.5	.36	239.5	238.6	13	
25.40	7.50	.594	7.69	6.69	15	239.2	.58	220.5	218.5	15	
25.60	7.04	4.33	7.57	5.86	15	201.0	.61	201.4	199.3	15	
26.00	6.94	3.54	7.61	6.02	16	182.2	.30	182.4	181.3	16	
26.20	6.89	2.57	7.42	6.31	15	163.4	.04	163.4	163.3	15	
26.40	6.87	2.00	6.76	6.03	14	144.4	.03	144.4	144.3	14	
26.60	6.46	2.55	5.87	4.84	14	125.3	.09	125.4	125.1	14	
26.80	5.35	2.86	5.12	4.06	14	106.3	.06	106.3	106.1	14	
27.00	4.45	2.19	4.60	3.82	14	96.7	.07	96.8	96.6	14	
27.10	4.09	1.49	4.13	3.65	14	87.2	.07	87.3	87.0	14	
27.20	3.82	1.25	3.74	3.33	14	77.6	.05	77.7	77.6	14	
27.30	3.51	1.25	3.32	2.99	14	68.1	.11	68.2	67.8	13	
27.40	2.13	1.16	2.85	2.41	13	58.5	.12	58.6	58.3	13	
27.50	2.65	1.33	2.85	2.41	13	48.8	.07	48.8	48.7	13	
27.60	2.19	.007	2.19	2.18	2						

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.20	1.698	.9186	2.676	0.000	10	.59	.465	1.37	.00	1	
25.40	1.585	.9186	2.676	0.000	10	.63	.465	1.37	.00	10	
25.60	2.355	.3172	2.980	1.990	15	1.11	.304	1.71	.79	13	
25.80	2.483	.4241	3.130	1.580	15	1.25	.384	1.88	.53	15	
26.00	2.697	.4750	3.330	1.610	15	1.49	.449	2.14	.56	15	
26.20	2.881	.5860	3.630	1.650	15	1.73	.600	2.67	.59	16	
26.40	3.321	.4865	3.970	2.330	14	2.28	.602	3.23	1.20	15	
26.60	4.031	.5145	4.120	3.430	14	3.47	.875	5.67	2.44	14	
26.80	5.481	.6244	6.570	4.610	14	7.03	1.579	10.47	4.84	14	
27.00	7.615	.6278	8.780	6.600	14	15.30	2.374	20.07	11.48	14	
27.10	8.714	.5893	9.600	7.710	14	21.15	2.598	24.85	16.71	14	
27.20	9.940	.5972	10.590	8.940	14	29.13	3.400	34.12	23.84	14	
27.30	11.188	.6283	11.980	10.300	14	38.93	4.245	44.52	32.72	14	
27.40	12.642	.7188	13.720	11.570	13	53.01	6.196	61.74	43.36	13	
27.50	14.387	.8712	15.950	13.100	13	73.47	9.384	90.48	59.93	13	
27.60	16.315	.7006	16.810	15.820	2	105.23	7.849	110.78	99.68	2	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.20	11.138	.9052	12.577	10.056	10	12.770	.4008	12.854	11.919	10	
25.40	10.981	.9052	12.577	10.056	10	12.532	.3244	12.709	11.777	13	
25.60	10.140	.2555	10.712	9.856	13	12.336	.2965	12.498	11.625	14	
25.80	9.947	.2598	10.614	9.682	14	12.150	.2785	12.274	11.463	14	
26.00	9.730	.2873	10.575	9.428	14	11.953	.2502	12.038	11.292	15	
26.20	9.533	.3846	10.539	9.072	15	11.741	.2385	11.765	11.097	14	
26.40	9.112	.2725	9.860	8.762	14	11.190	.2185	11.428	10.847	14	
26.60	8.442	.2808	8.963	7.667	14	10.765	.1852	10.962	10.476	14	
26.80	6.993	.3683	7.799	6.114	14	10.099	.1610	10.350	9.855	14	
27.00	4.859	.3461	5.345	4.002	14	9.637	.1477	9.913	9.422	14	
27.10	3.760	.2853	4.238	3.183	14	9.081	.1251	9.303	8.872	14	
27.20	2.534	.3061	3.614	1.993	14	8.405	.0866	8.554	8.229	14	
27.30	-1.287	.3639	1.923	.776	13	7.583	.0364	7.650	7.505	13	
27.40	-0.197	.4930	.752	-0.860	13	6.547	.0575	6.617	6.441	13	
27.50	-1.941	.6447	-0.913	-3.089	13	5.310	.0566	5.350	5.270	2	
27.60	-4.133	.3663	-3.874	-4.392	2						

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	n/a	n/a	n/a	n/a	0	1484	.1.2	1482	1478	1	
25.20	6.66	.035	6.69	6.64	2	1480	1.5	1482	1476	13	
25.40	6.07	n/a	n/a	n/a	1	1479	2.6	1481	1472	15	
25.60	5.49	n/a	n/a	n/a	1	1478	1.8	1481	1473	15	
25.80	4.455	n/a	n/a	n/a	1	1479	1.2	1482	1474	16	
26.00	4.06	n/a	n/a	n/a	1	1479	1.2	1481	1476	14	
26.20	3.49	n/a	n/a	n/a	1	1476	1.2	1478	1474	14	
26.40	2.34	n/a	n/a	n/a	1	1475	1.4	1478	1474	14	
26.60	1.11	n/a	n/a	n/a	1	1476	1.4	1479	1474	14	
26.80	.74	n/a	n/a	n/a	1	1477	1.1	1479	1475	14	
27.00	.53	n/a	n/a	n/a	1	1478	.9	1480	1477	14	
27.20	.41	n/a	n/a	n/a	1	1479	.8	1481	1478	13	
27.30	.40	n/a	n/a	n/a	1	1482	1.0	1483	1480	13	
27.40	.54	n/a	n/a	n/a	1	1486	.7	1486	1485	2	
27.50	.97	n/a	n/a	n/a	1						

STATION MP12 MARCH 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.20	8.76	.187	8.30	7.81	11	32.470	.0337	32.640	32.553	16	
25.40	8.02	.187	8.30	6.69	156	32.590	.0641	32.844	32.609	15	
25.60	7.40	.371	8.04	6.69	15	32.734	.0547	33.043	32.869	15	
25.80	7.22	.310	7.69	6.71	15	32.960	.0517	33.260	32.996	15	
26.00	7.07	.300	7.52	6.57	15	33.187	.0535	33.509	33.453	15	
26.20	7.02	.311	7.49	6.55	15	33.431	.0554	33.778	33.667	15	
26.40	6.89	.322	7.56	6.35	15	33.661	.0469	33.955	33.780	15	
26.60	6.58	.279	7.13	6.09	15	33.947	.0501	34.076	33.888	15	
26.80	5.52	.321	6.35	5.15	15	34.061	.0319	34.117	34.017	14	
27.00	4.57	.229	4.98	4.26	14	34.142	.0269	34.192	34.100	14	
27.10	4.25	.199	4.59	3.93	14	34.229	.0245	34.280	34.195	14	
27.20	3.95	.187	4.32	3.68	14	34.312	.0141	34.340	34.289	13	
27.30	3.61	.118	3.84	3.43	13	34.393	.0153	34.422	34.370	13	
27.40	3.24	.130	3.49	3.04	13	34.467	.0146	34.502	34.455	12	
27.50	2.79	.129	3.10	2.67	11	34.534	.0105	34.537	34.531	11	
27.60	2.23	.042	2.26	2.20	2					2	

DEPTH						SVA					
SIGMA-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.20	71	13.0	95	58	16	278.8	.19	260.1	259.5	16	
25.40	80	13.0	106	69	15	259.8	.20	241.1	240.6	15	
25.60	84	12.0	119	75	15	240.8	.23	222.4	221.6	15	
25.80	95	12.3	129	81	15	221.9	.23	203.5	202.7	15	
26.00	105	12.8	139	91	15	203.0	.21	184.2	184.0	15	
26.20	117	13.1	156	118	15	184.2	.21	165.9	165.2	15	
26.40	136	12.4	216	149	15	165.5	.21	147.7	146.6	15	
26.60	179	19.4	329	214	15	147.1	.31	129.6	128.5	15	
26.80	281	29.4	329	214	14	129.0	.34	111.7	110.6	14	
27.00	441	34.7	486	369	14	111.0	.31	102.7	101.5	14	
27.10	537	49.0	599	421	14	102.2	.36	94.1	92.3	14	
27.20	657	64.4	742	481	14	93.4	.47	85.2	84.2	13	
27.30	813	44.9	875	710	13	84.7	.36	76.4	75.3	13	
27.40	993	47.6	1047	879	13	75.9	.27	67.2	66.4	11	
27.50	1235	65.7	1330	1099	11	66.9	.28	58.0	57.6	2	
27.60	1606	77.1	1660	1551	2	57.8					

THETA						SVA (THETA)					
SIGMA-T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.20	8.75	.187	8.29	7.80	16	277.5	.40	258.5	257.4	16	
25.40	8.02	.187	8.03	6.68	15	258.1	.42	239.1	238.3	15	
25.60	7.39	.370	7.68	6.70	15	239.1	.71	220.5	218.3	15	
25.80	7.21	.309	7.68	6.56	15	219.8	.43	201.4	200.2	15	
26.00	7.06	.299	7.51	6.54	15	201.0	.29	182.4	181.5	15	
26.20	7.01	.310	7.48	6.54	15	182.1	.11	163.4	163.1	15	
26.40	6.88	.322	7.55	6.34	15	163.3	.04	144.4	144.3	15	
26.60	6.56	.280	7.11	6.07	15	144.4	.20	125.4	124.7	15	
26.80	5.50	.323	6.33	5.12	15	125.2	.15	106.3	105.8	14	
27.00	4.54	.228	4.95	4.23	14	106.2	.08	96.8	96.5	14	
27.10	4.21	.201	4.56	3.89	14	96.7	.06	87.3	87.1	14	
27.20	3.90	.190	4.28	3.63	14	87.2	.05	77.7	77.6	13	
27.30	3.55	.120	3.78	3.37	13	77.7	.05	68.2	67.9	13	
27.40	3.17	.131	3.43	2.97	13	68.1	.08	58.6	58.2	12	
27.50	2.70	.134	3.03	2.58	11	58.5	.13	48.8	48.8	11	
27.60	2.12	.057	2.16	2.08	2	48.8	.01				

STATION MP12 MARCH 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.20	2.010	.3905	2.690	1.560	1	.72	.299	1.31	.46	1	
25.40	2.192	.3800	2.850	1.680	15	.92	.304	1.52	.59	15	
25.60	2.187	.3801	1.150	1.890	15	1.18	.338	1.87	.72	15	
25.80	2.431	.3809	1.350	2.020	15	1.40	.366	2.13	.82	15	
26.00	2.645	.3890	1.560	2.210	15	1.68	.408	2.42	.99	15	
26.20	2.886	.3897	1.860	2.680	15	2.10	.430	2.86	1.50	15	
26.40	3.217	.4602	4.780	3.220	15	2.22	.698	4.65	2.25	15	
26.60	3.896	.5818	6.360	4.110	15	6.56	1.335	9.02	3.91	15	
26.80	5.303	.6300	8.240	6.200	14	13.70	2.142	16.89	9.90	14	
27.00	7.241	.7777	9.470	6.790	14	18.97	3.294	23.70	12.14	14	
27.10	8.278	.9073	10.880	7.380	14	26.29	4.723	33.43	14.87	14	
27.20	9.458	.7342	12.090	9.330	13	36.95	4.283	43.47	27.79	13	
27.30	10.901	.7441	13.460	10.680	13	50.43	5.121	57.12	38.84	13	
27.40	12.353	.9012	15.380	12.270	11	70.72	7.686	81.05	54.95	11	
27.50	14.121	.5798	16.450	15.630	2	102.50	7.905	108.09	96.91	2	
27.60	16.040										

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	n/a	n/a	n/a	n/a	0	12.444	.2854	12.940	12.273	1	
25.20	10.464	.3799	10.884	9.777	6	12.582	.3479	12.751	11.490	1	
25.40	10.490	.3799	10.447	9.678	1	12.172	.3351	12.540	11.333	1	
25.60	10.107	.2767	10.315	9.353	1	11.999	.3204	12.306	11.157	1	
25.80	9.854	.2881	10.183	9.146	1	11.807	.3067	12.059	10.961	1	
26.00	9.636	.2729	9.993	8.981	1	11.595	.2910	11.784	10.751	1	
26.20	9.400	.2575	9.518	8.731	1	11.073	.2701	11.457	10.499	1	
26.40	9.082	.2135	8.630	8.232	1	10.655	.2229	10.958	10.175	1	
26.60	8.395	.1357	7.398	6.667	1	10.011	.1650	10.238	9.657	1	
26.80	6.977	.1787	5.309	4.776	1	9.568	.1403	9.755	9.262	1	
27.00	5.012	.2668	4.393	3.554	1	9.036	.1058	9.160	8.802	1	
27.10	3.939	.3085	3.213	2.144	1	8.382	.0731	8.462	8.215	1	
27.20	2.712	.3085	2.181	0.935	1	7.584	.0367	7.643	7.533	1	
27.30	1.430	.3663	0.826	-0.444	11	6.578	.0440	6.670	6.521	11	
27.40	-0.022	.3614	-0.495	-2.495	11	5.368	.0212	5.383	5.353	2	
27.50	-1.772	.4945	-0.759	-4.358	2						
27.60	-4.022	.4752	-3.686	-4.358	2						

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	1484	.1	1483	1480	1	
24.60	n/a	n/a	n/a	n/a	0	1481	1.0	1482	1476	1	
24.80	6.26	.558	6.63	5.44	4	1479	1.7	1481	1477	1	
25.00	5.72	.448	5.98	5.05	4	1479	1.4	1481	1477	1	
25.20	5.20	.379	5.42	4.63	4	1479	1.4	1481	1477	1	
25.40	4.74	.364	4.98	4.20	4	1479	1.3	1481	1477	1	
25.60	4.32	.426	4.82	3.79	4	1479	1.4	1482	1477	1	
25.80	3.76	.555	4.56	3.31	4	1479	1.4	1481	1476	1	
26.00	2.62	.346	2.86	2.11	4	1476	1.2	1479	1475	1	
27.00	1.37	.367	1.78	1.08	3	1475	1.9	1477	1474	14	
27.10	1.01	.400	1.42	.62	3	1476	1.7	1477	1474	14	
27.20	.76	.290	1.06	.48	3	1476	1.7	1478	1475	14	
27.30	.44	.071	.49	.39	3	1478	1.9	1479	1477	13	
27.40	.38	.064	.42	.33	3	1479	1.9	1480	1478	13	
27.50	.53	.007	.54	.53	2	1481	1.8	1483	1480	11	
27.60	.85	n/a	n/a	n/a	1	1486	1.7	1486	1485	2	

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	8.07	n/a	n/a	n/a	0	32.088	n/a	n/a	n/a	0	
25.20	8.48	.492	8.87	7.93	1	32.431	n/a	n/a	n/a	1	
25.40	7.77	.375	8.50	7.31	1	32.547	.0768	32.496	32.346	1	
25.60	7.23	.538	8.15	6.31	1	32.710	.0700	32.677	32.458	1	
25.80	6.90	.526	7.82	6.09	1	32.905	.0988	32.879	32.544	1	
26.00	6.87	.408	7.54	6.24	1	33.154	.0962	33.077	32.764	1	
26.20	6.84	.321	7.34	6.28	1	33.400	.0723	33.264	33.044	1	
26.40	6.81	.318	7.26	6.29	1	33.647	.0556	33.483	33.304	1	
26.60	6.46	.255	6.84	6.09	1	33.840	.0540	33.724	33.558	1	
26.80	5.39	.281	5.70	4.77	1	33.925	.0426	33.905	33.779	1	
27.00	4.53	.231	4.81	4.02	1	34.056	.0418	33.971	33.834	1	
27.10	4.26	.171	4.47	3.90	1	34.144	.0320	34.096	33.986	1	
27.20	3.96	.123	4.09	3.72	1	34.229	.0228	34.172	34.096	1	
27.30	3.64	.104	3.79	3.44	1	34.315	.0165	34.247	34.198	1	
27.40	3.40	.076	3.34	3.09	1	34.392	.0132	34.334	34.291	1	
27.50	2.75	.052	2.81	2.64	12	34.463	.0082	34.404	34.375	12	
27.60	2.30	n/a	n/a	n/a	1	34.542	.0062	34.470	34.451	12	
							n/a	n/a	n/a	1	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	34.8	n/a	n/a	n/a	0	296.8	n/a	n/a	n/a	0	
25.20	34.2	18.6	53	16	1	278.1	.36	278.5	277.8	1	
25.40	27.7	.27	88	52	1	259.4	.43	259.9	258.6	1	
25.60	8.01	12.3	103	53	1	240.7	.21	241.0	240.2	1	
25.80	9.3	9.2	112	74	1	221.8	.18	222.1	221.5	1	
26.00	10.4	11.0	120	81	1	203.6	.16	203.2	202.6	1	
26.20	11.6	14.0	135	84	1	184.2	.23	184.5	183.7	1	
26.40	13.6	12.7	155	117	1	165.5	.21	165.8	165.2	1	
26.60	17.6	14.2	189	137	1	147.0	.22	147.3	146.4	1	
26.80	28.4	23.7	313	240	1	128.9	.33	129.3	128.4	1	
27.00	45.4	25.4	503	401	12	111.1	.38	111.6	110.4	12	
27.10	55.0	25.0	590	501	12	102.3	.45	102.6	101.6	12	
27.20	67.1	24.5	699	620	12	93.5	.50	93.9	92.9	12	
27.30	81.9	21.6	845	786	12	84.8	.23	85.1	84.4	12	
27.40	100.3	21.7	1036	960	12	75.9	.15	76.1	75.7	12	
27.50	125.0	25.1	1289	1203	12	66.9	.15	67.1	66.6	12	
27.60	158.7	n/a	n/a	n/a	1	58.0	n/a	n/a	n/a	1	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
25.00	8.06	n/a	n/a	n/a	0	296.2	n/a	n/a	n/a	0	
25.20	8.48	.488	8.86	7.93	1	276.6	.31	277.5	275.1	1	
25.40	7.76	.374	8.49	7.30	1	258.0	.71	258.5	256.4	1	
25.60	7.22	.538	8.14	6.30	1	238.8	.54	239.5	238.0	1	
25.80	6.89	.525	7.81	6.09	1	219.9	.72	220.5	218.6	1	
26.00	6.86	.407	7.53	6.23	1	200.9	.43	201.4	199.9	1	
26.20	6.83	.322	7.33	6.27	1	182.2	.30	182.5	181.6	1	
26.40	6.79	.317	7.25	6.28	1	163.5	.14	163.5	163.0	1	
26.60	6.44	.256	6.83	6.07	1	144.4	.06	144.4	144.2	1	
26.80	5.36	.280	5.68	4.74	1	125.3	.09	125.4	125.1	1	
27.00	4.50	.229	4.78	3.99	1	106.4	.11	106.4	106.0	1	
27.10	4.22	.168	4.43	3.86	1	96.7	.09	96.8	96.5	1	
27.20	3.90	.122	4.04	3.67	12	87.2	.04	87.2	87.1	12	
27.30	3.58	.102	3.73	3.39	12	77.6	.07	77.7	77.5	12	
27.40	3.17	.076	3.27	2.82	12	68.1	.06	68.2	68.0	12	
27.50	2.67	.053	2.72	2.55	12	58.5	.12	58.6	58.3	12	
27.60	2.19	n/a	n/a	n/a	1	48.7	n/a	n/a	n/a	1	

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DELTA D					POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
25.00	.230	.5226	1.500	.460	1	.01	.186	.40	.04	13
25.20	.950	.7690	2.430	.040	1	.47	.377	1.09	.00	108
25.40	1.412	.3700	2.820	1.310	100	.89	.272	1.47	.36	108
25.60	2.119	.3054	3.020	1.780	100	1.11	.247	1.69	.67	108
25.80	2.348	.3320	2.210	1.940	100	1.37	.292	1.91	.79	108
26.00	2.598	.4006	3.480	2.000	100	1.63	.382	2.26	.84	108
26.20	2.826	.3761	3.840	2.570	100	2.07	.412	2.80	1.44	108
26.40	3.170	.3612	4.370	2.980	100	3.07	.473	3.73	1.94	13
26.60	3.796	.4695	5.990	4.440	100	6.59	.1032	7.92	4.81	13
26.80	5.282	.4935	8.170	6.410	100	14.38	1.593	17.51	11.17	12
27.00	7.369	.4964	9.110	7.490	100	19.70	1.837	22.82	16.15	12
27.10	8.402	.4948	10.270	8.650	100	27.24	2.096	29.92	22.87	12
27.20	9.603	.4543	11.590	10.140	100	37.39	2.144	39.91	33.63	12
27.30	10.931	.4403	13.040	11.670	100	51.34	2.370	54.24	47.11	12
27.40	12.421	.4789	14.840	13.290	100	71.97	3.176	76.77	65.66	12
27.50	14.203	n/a	n/a	n/a	1	103.16	n/a	n/a	n/a	1
27.60	16.380	n/a	n/a	n/a	1					

DELTA DH					ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.80	12.308	.5373	12.073	11.081	13	12.535	.1679	12.820	12.510	13
25.00	11.696	.6586	12.352	10.393	18	12.628	.1549	12.685	12.199	88
25.20	11.091	.6828	12.596	10.062	100	12.444	.1904	12.499	11.888	10
25.40	10.285	.1559	10.179	9.725	122	12.242	.0035	12.295	11.643	12
25.60	9.961	.1559	9.964	9.506	122	11.848	.1859	12.096	11.475	12
25.80	9.704	.1399	9.903	9.277	122	11.638	.1672	11.877	11.293	12
26.00	9.471	.1629	9.330	8.916	122	11.403	.1467	11.629	11.089	12
26.20	9.115	.1341	8.745	8.200	122	11.114	.1342	11.330	10.820	12
26.40	8.464	.1590	7.596	6.663	122	10.702	.1276	10.903	10.420	12
26.60	6.975	.2443	5.370	4.526	122	10.041	.1006	10.186	9.827	12
26.80	4.959	.2118	5.293	3.581	122	9.596	.0778	9.683	9.424	12
27.00	3.927	.2029	4.293	3.581	122	9.059	.0550	9.120	8.937	12
27.10	2.724	.1932	3.127	2.500	122	8.402	.0325	8.434	8.329	12
27.20	1.396	.1668	1.636	1.202	122	7.593	.0154	7.614	7.569	12
27.30	-0.093	.1669	1.233	0.350	122	6.574	.0242	6.608	6.526	12
27.40	-1.875	.1964	-1.515	-2.172	121	5.326	n/a	n/a	n/a	1
27.50	-3.988	n/a	n/a	n/a	1					

OXYGEN					SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
24.80	n/a	n/a	n/a	n/a	0	1480	.n/a	n/a	n/a	1
25.00	n/a	n/a	n/a	n/a	0	1482	2.6	1484	1479	88
25.20	n/a	n/a	n/a	n/a	0	1480	1.7	1483	1478	10
25.40	n/a	n/a	n/a	n/a	0	1478	2.4	1482	1474	12
25.60	n/a	n/a	n/a	n/a	0	1477	2.3	1481	1474	12
25.80	n/a	n/a	n/a	n/a	0	1478	1.8	1481	1475	12
26.00	n/a	n/a	n/a	n/a	0	1479	1.5	1480	1476	12
26.20	n/a	n/a	n/a	n/a	0	1478	1.1	1480	1477	12
26.40	n/a	n/a	n/a	n/a	0	1476	1.2	1477	1473	12
26.60	n/a	n/a	n/a	n/a	0	1475	1.0	1476	1473	12
26.80	n/a	n/a	n/a	n/a	0	1476	1.0	1477	1474	12
27.00	n/a	n/a	n/a	n/a	0	1477	.9	1478	1475	12
27.10	n/a	n/a	n/a	n/a	0	1478	.4	1478	1477	12
27.20	n/a	n/a	n/a	n/a	0	1480	.5	1480	1479	12
27.30	n/a	n/a	n/a	n/a	0	1482	.5	1482	1481	12
27.40	n/a	n/a	n/a	n/a	0	1485	n/a	n/a	n/a	1
27.50	n/a	n/a	n/a	n/a	0					
27.60	n/a	n/a	n/a	n/a	0					

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TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	9.99	1.174	10.82	9.16	2	32.225	.2404	32.395	32.055	2	
25.00	9.45	.522	10.20	8.50	7	32.365	.0935	32.512	32.211	7	
25.20	8.87	.459	9.50	8.01	23	32.500	.0915	32.630	32.328	23	
25.40	7.95	.375	8.97	7.30	31	32.578	.0698	32.772	32.462	31	
25.60	7.31	.527	8.71	6.53	37	32.720	.0934	32.975	32.580	37	
25.80	7.04	.560	8.56	6.07	37	32.928	.0974	33.202	32.760	37	
26.00	6.92	.529	8.54	5.94	37	33.161	.0910	33.453	32.995	37	
26.20	6.85	.481	8.49	6.06	37	33.401	.0841	33.698	33.268	37	
26.40	6.75	.397	8.07	5.05	37	33.638	.0680	33.872	33.519	37	
26.60	6.47	.280	7.18	5.83	37	33.843	.0467	33.964	33.738	37	
26.80	5.31	.278	6.03	4.80	37	33.914	.0419	34.025	33.839	37	
27.00	4.39	.216	4.85	4.07	36	34.035	.0298	34.101	33.992	36	
27.10	4.11	.163	4.45	3.87	36	34.124	.0219	34.171	34.092	36	
27.20	3.83	.104	4.06	3.63	36	34.213	.0129	34.245	34.187	36	
27.30	3.55	.094	3.83	3.36	36	34.304	.0118	34.339	34.280	36	
27.40	3.20	.076	3.41	3.04	34	34.388	.0087	34.413	34.369	34	
27.50	2.75	.068	2.88	2.58	32	34.463	.0071	34.476	34.446	32	
27.60	2.29	.012	2.30	2.28	3	34.540	.0069	34.542	34.539	3	
DEPTH						SVA					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	14	4.2	17	11	2	315.9	.14	316.0	315.8	2	
25.00	21	8.3	32	10	7	297.0	.17	297.2	296.8	7	
25.20	31	14.0	53	30	23	278.1	.25	278.5	277.6	23	
25.40	55	20.0	89	10	31	259.4	.33	260.0	258.8	31	
25.60	79	21.0	109	24	37	240.7	.32	241.1	239.9	37	
25.80	97	14.5	122	51	37	221.9	.20	222.3	221.4	37	
26.00	110	14.7	134	57	37	203.0	.19	203.6	202.6	37	
26.20	124	15.7	156	67	37	184.3	.21	185.0	183.8	37	
26.40	144	13.7	172	110	37	165.6	.21	166.1	165.2	37	
26.60	185	19.1	260	150	37	147.2	.34	148.6	146.7	37	
26.80	291	36.5	421	246	37	129.0	.49	131.1	128.3	37	
27.00	453	36.4	585	369	36	111.0	.50	112.7	109.9	36	
27.10	554	35.0	662	474	36	102.1	.42	103.4	101.3	36	
27.20	678	41.6	778	593	36	93.4	.40	94.3	92.6	36	
27.30	824	39.2	921	750	36	84.7	.38	85.7	84.1	36	
27.40	1001	38.6	1125	938	34	75.9	.28	76.5	75.4	34	
27.50	1254	46.9	1380	1178	32	66.9	.27	67.6	66.3	32	
27.60	1596	8.5	1602	1586	3	58.0	.10	58.1	57.9	3	
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	9.99	1.174	10.82	9.16	2	314.8	.64	315.2	314.3	2	
25.00	9.45	.522	10.20	8.50	7	295.8	.22	296.6	293.2	7	
25.20	8.87	.459	9.50	8.01	23	277.0	.74	277.6	274.4	23	
25.40	7.95	.375	8.97	7.30	31	258.3	.33	258.6	257.2	31	
25.60	7.31	.527	8.71	6.52	37	239.1	.49	239.5	237.6	37	
25.80	7.03	.560	8.56	6.93	37	220.1	.40	220.5	219.2	37	
26.00	6.91	.528	8.53	6.93	37	201.0	.42	201.4	200.0	37	
26.20	6.83	.481	8.48	6.05	37	182.2	.27	182.4	181.4	37	
26.40	6.74	.398	8.06	6.04	37	163.3	.16	163.4	162.8	37	
26.60	6.46	.280	7.16	5.81	37	144.4	.05	144.4	144.2	37	
26.80	5.29	.276	5.99	4.78	37	125.3	.12	125.4	124.8	37	
27.00	4.35	.214	4.82	4.04	36	106.2	.11	106.4	106.0	36	
27.10	4.07	.162	4.40	3.83	36	96.7	.09	96.8	96.5	36	
27.20	3.78	.103	4.02	3.58	36	87.2	.05	87.3	87.1	36	
27.30	3.49	.094	3.77	3.30	36	77.6	.05	77.7	77.6	36	
27.40	3.16	.076	3.34	2.97	34	68.1	.07	68.2	67.9	34	
27.50	2.66	.070	2.80	2.48	32	58.5	.13	58.6	58.2	32	
27.60	2.18	.012	2.19	2.17	3	48.7	.06	48.8	48.7	3	

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	.445	.1202	.530	.360	2	.04	.021	.05	.02	2	
25.00	.637	.2539	1.010	.320	23	.08	.053	.16	.02	23	
25.20	.907	.4138	1.500	.000	23	.17	.119	.40	.00	23	
25.40	1.545	.5705	2.490	.260	31	.49	.302	1.13	.01	31	
25.60	2.108	.5723	2.880	.600	37	.89	.390	1.56	.07	37	
25.80	2.545	.3702	1.160	1.470	37	1.26	.339	1.91	.37	37	
26.00	2.817	.3656	1.500	1.600	37	1.54	.371	2.30	.44	37	
26.20	3.090	.3872	1.930	1.780	37	1.88	.437	2.94	.56	37	
26.40	3.441	.3534	4.200	2.590	37	2.35	.457	3.40	1.32	37	
26.60	4.078	.3732	4.960	3.200	37	3.44	.652	5.66	2.13	37	
26.80	5.548	.5099	7.170	4.520	37	7.05	1.493	13.62	4.80	37	
27.00	7.498	.5733	9.190	6.230	36	14.50	2.405	24.02	9.81	36	
27.10	8.580	.5550	10.030	7.340	36	20.09	.2685	29.41	14.65	36	
27.20	9.804	.6137	11.070	8.480	36	27.86	.3543	36.93	21.21	36	
27.30	11.121	.5983	12.510	9.930	36	38.00	.3940	48.77	30.83	36	
27.40	12.534	.5802	14.190	11.430	34	51.33	.4314	65.25	43.82	34	
27.50	14.335	.6413	15.900	13.140	32	72.36	5.801	87.21	62.41	32	
27.60	16.560	.1931	16.730	16.350	3	103.32	1.518	104.37	101.58	3	
DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	12.524	.0707	12.574	12.474	2	
24.80	12.088	.0594	12.130	12.046	2	12.522	.2592	13.036	12.353	2	
25.00	11.914	.2327	12.169	11.567	6	12.512	.2692	13.019	11.841	22	
25.20	11.640	.4503	12.547	11.006	22	12.441	.2721	13.016	11.793	30	
25.40	10.986	.5424	12.042	10.208	30	12.261	.2847	12.864	11.703	36	
25.60	10.348	.4300	11.720	9.479	36	12.092	.2711	12.730	11.595	36	
25.80	9.909	.3751	11.588	9.266	36	11.895	.2681	12.626	11.439	36	
26.00	9.642	.3992	11.459	9.628	36	11.674	.2690	12.512	11.204	36	
26.20	9.372	.4038	11.274	8.773	36	11.425	.2687	12.355	10.944	36	
26.40	9.023	.3230	10.366	8.422	36	11.127	.2583	12.058	10.643	36	
26.60	8.389	.1631	8.693	8.054	36	10.703	.2191	11.442	10.244	36	
26.80	6.921	.2450	7.347	5.882	36	10.037	.1624	10.509	9.688	36	
27.00	4.969	.2838	5.602	4.861	36	9.590	.1288	9.922	9.323	36	
27.10	3.887	.2648	4.484	3.019	36	9.049	.0985	9.275	8.858	36	
27.20	2.662	.3244	3.340	1.803	36	8.392	.0634	8.550	8.258	36	
27.30	1.346	.3024	1.895	1.590	36	7.581	.0247	7.642	7.529	34	
27.40	-0.088	.3033	.396	-1.089	34	7.572	.0362	6.618	6.451	32	
27.50	-1.902	.3643	-1.313	-2.866	32	5.324	.0021	5.326	5.322	3	
OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	14.87	4.2	14.90	14.84	2	
24.40	n/a	n/a	n/a	n/a	0	14.85	2.3	14.88	14.81	7	
24.60	n/a	n/a	n/a	n/a	0	14.84	1.9	14.86	14.80	23	
24.80	7.34	n/a	n/a	n/a	1	14.81	1.7	14.84	14.78	31	
25.00	7.18	.417	7.48	6.89	23	14.79	2.3	14.84	14.74	37	
25.20	7.01	.150	7.17	6.87	23	14.78	2.1	14.84	14.74	37	
25.40	6.53	.187	6.76	6.31	4	14.78	1.9	14.84	14.75	37	
25.60	6.03	.152	6.21	5.89	4	14.78	1.6	14.84	14.76	37	
25.80	5.50	.202	5.76	5.28	4	14.79	1.4	14.83	14.76	37	
26.00	5.03	.329	5.41	4.61	4	14.76	1.6	14.81	14.73	37	
26.20	4.58	.421	5.08	4.05	4	14.75	1.4	14.78	14.72	36	
26.40	4.07	.519	4.63	3.38	4	14.75	1.1	14.78	14.73	36	
26.60	2.64	.470	3.04	2.03	4	14.76	.9	14.78	14.75	36	
26.80	1.22	.164	1.43	1.05	4	14.76	.7	14.81	14.78	34	
27.00	.88	.167	1.12	.75	4	14.75	.5	14.83	14.80	32	
27.10	.64	.126	.82	.54	4	14.75	.3	14.86	14.85	3	
27.20	.43	.108	.53	.32	4	14.75	.1	14.86	14.85	3	
27.30	.41	.087	.51	.33	4	14.75	.0	14.86	14.85	3	
27.40	.59	.100	.68	.47	4	14.75	-.8	14.83	14.80	3	
27.50	.97	n/a	n/a	n/a	1	14.86	-.6	14.86	14.85	3	

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	32.086	n/a	n/a	n/a	0	
23.80	14.55	n/a	n/a	n/a	1	32.336	n/a	n/a	n/a	1	
24.00	13.69	n/a	n/a	n/a	1	32.475	.0372	32.502	32.448	2	
24.20	13.76	.658	14.23	13.30	2	32.315	.1954	32.521	32.027	5	
24.40	12.52	.692	13.05	11.41	5	32.397	.1156	32.559	32.166	5	
24.60	11.85	.570	12.54	10.63	8	32.454	.0993	32.630	32.248	8	
24.80	11.01	.495	11.81	9.94	15	32.501	.0973	32.702	32.321	15	
25.00	10.09	.476	11.04	9.24	19	32.538	.0868	32.769	32.404	19	
25.20	9.03	.438	10.20	8.25	19	32.593	.0784	32.780	32.448	19	
25.40	8.04	.421	9.03	7.24	19	32.724	.0882	32.850	32.571	19	
25.60	7.34	.484	8.03	6.47	19	32.929	.0750	33.042	32.808	19	
25.80	7.06	.419	7.67	6.37	19	33.152	.0560	33.243	33.067	19	
26.00	6.88	.328	7.41	6.38	19	33.384	.0579	33.491	33.312	19	
26.20	6.76	.335	7.35	6.34	19	33.626	.0518	33.719	33.554	19	
26.40	6.68	.302	7.23	6.25	19	33.833	.0442	33.920	33.765	19	
26.60	6.41	.265	6.93	6.00	19	33.902	.0330	33.961	33.830	19	
26.80	5.24	.221	5.58	4.74	19	34.034	.0253	34.071	33.991	17	
27.00	4.38	.186	4.66	4.06	17	34.127	.0216	34.163	34.094	17	
27.10	4.13	.157	4.36	3.88	17	34.219	.0190	34.262	34.188	17	
27.20	3.87	.144	4.17	3.63	17	34.303	.0120	34.336	34.286	17	
27.30	3.54	.102	3.81	3.40	17	34.388	.0082	34.404	34.374	17	
27.40	3.20	.067	3.34	3.09	17	34.461	.0092	34.472	34.439	17	
27.50	2.74	.080	2.83	2.54	17	34.546	.0113	34.552	34.540	2	
27.60	2.36	.092	2.42	2.29	2						

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	411.0	n/a	n/a	n/a	0	
23.80	300	n/a	n/a	n/a	1	391.8	n/a	n/a	n/a	1	
24.00	300	n/a	n/a	n/a	1	372.8	.14	372.9	372.7	2	
24.20	150	2.00	31	8	2	354.1	.22	354.4	353.8	5	
24.40	15	9.8	35	12	8	335.2	.12	335.4	335.0	8	
24.60	23	8.5	41	20	15	316.1	.22	316.4	315.7	15	
24.80	25	12.4	48	21	19	297.3	.15	297.6	297.1	19	
25.00	34	7.7	82	34	19	278.4	.22	279.0	278.2	19	
25.20	47	11.7	103	42	19	259.6	.25	260.2	259.2	19	
25.40	65	15.6	111	66	19	240.8	.22	241.1	240.4	19	
25.60	87	11.8	119	78	19	222.0	.21	222.3	221.5	19	
25.80	103	11.7	129	93	19	203.2	.19	203.4	202.8	19	
26.00	117	11.1	151	110	19	184.4	.23	184.8	184.0	19	
26.20	131	11.1	179	129	19	165.7	.26	166.2	165.3	19	
26.40	151	12.9	232	163	19	147.2	.28	147.7	146.7	19	
26.60	190	16.9	356	254	19	129.0	.30	129.8	128.5	19	
26.80	297	23.8	532	430	17	111.0	.35	111.8	110.5	17	
27.00	461	27	636	514	17	102.2	.32	102.9	101.7	17	
27.10	559	28.8	636	514	17	93.4	.35	94.3	92.9	17	
27.20	674	42.1	769	568	17	84.6	.35	85.5	84.0	17	
27.30	820	50.6	910	685	17	75.9	.24	76.4	75.6	17	
27.40	1012	41.6	1098	961	17	66.9	.22	67.3	66.5	17	
27.50	1262	52.9	1358	1147	17	57.7	.35	57.9	57.4	2	
27.60	1492	119.5	1576	1407	2						

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	406.5	n/a	n/a	n/a	0	
23.80	14.55	n/a	n/a	n/a	1	371.1	n/a	n/a	n/a	1	
24.00	13.69	n/a	n/a	n/a	1	362.6	9.97	369.6	355.5	2	
24.20	13.76	.658	14.23	13.30	2	350.9	3.36	353.6	345.3	5	
24.40	12.52	.690	13.04	11.41	8	332.8	1.97	334.7	329.0	8	
24.60	11.84	.573	12.54	10.62	8	314.3	1.92	315.7	309.0	15	
24.80	11.01	.496	11.81	9.94	19	295.6	1.26	296.5	291.5	19	
25.00	10.08	.475	11.03	9.24	19	276.7	1.09	277.5	273.8	19	
25.20	9.03	.438	10.20	8.25	19	258.2	.48	258.5	256.7	19	
25.40	8.03	.419	9.02	7.24	19	239.1	.56	239.5	237.5	19	
25.60	7.33	.483	8.02	6.46	19	220.1	.58	220.5	219.0	19	
25.80	7.05	.419	7.66	6.36	19	201.1	.36	201.4	200.3	19	
26.00	6.87	.328	7.40	6.37	19	182.3	.19	182.5	181.8	19	
26.20	6.75	.335	7.34	6.33	19	163.3	.15	163.4	162.8	19	
26.40	6.67	.300	7.21	6.24	19	144.4	.04	144.4	144.3	19	
26.60	6.39	.264	6.91	5.98	19	125.3	.15	125.4	124.7	19	
26.80	5.21	.219	5.55	4.72	19	106.4	.10	106.3	106.0	17	
27.00	4.35	.185	4.62	4.02	17	96.7	.14	96.8	96.2	17	
27.10	4.09	.157	4.32	3.84	17	87.1	.10	87.2	86.8	17	
27.20	3.82	.144	4.12	3.59	17	77.7	.05	77.7	77.6	17	
27.30	3.48	.101	3.76	3.35	17	68.1	.06	68.1	67.9	17	
27.40	3.13	.069	3.27	3.01	17	58.5	.08	58.6	58.3	17	
27.50	2.65	.083	2.74	2.45	17	48.9	.14	49.0	48.8	2	
27.60	2.25	.106	2.33	2.18	2						

STATION MP12 J U N E 1956 to 1990

DELTA D					POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	.000	n/a	n/a	n/a	1	.00	n/a	n/a	n/a	1
24.00	.120	n/a	n/a	n/a	1	.00	n/a	n/a	n/a	1
24.20	.120	.1414	.220	.020	5	.00	.007	.01	.00	2
24.40	.542	.3526	1.130	.290	5	.05	.072	.18	.01	5
24.60	.820	.3102	1.290	.460	8	.11	.077	.23	.03	8
24.80	.847	.4322	1.440	.000	15	.13	.094	.30	.00	15
25.00	1.132	.2678	1.650	.650	19	.21	.093	.39	.07	19
25.20	1.488	.3714	2.620	1.030	19	.37	.201	1.04	.18	19
25.40	1.965	.4701	2.200	1.300	19	.65	.318	1.59	.29	19
25.60	2.529	.3667	3.390	1.990	19	1.08	.305	1.81	.62	19
25.80	2.911	.3358	3.570	2.270	19	1.45	.317	2.02	.83	19
26.00	3.190	.3293	3.780	2.570	19	1.76	.337	2.29	1.09	19
26.20	3.469	.3346	4.060	2.910	19	2.12	.372	2.79	1.44	19
26.40	3.825	.3536	4.520	2.50	19	2.63	.450	5.62	1.86	19
26.60	4.437	.3874	5.360	3.800	19	3.71	.638	5.39	2.78	19
26.80	5.918	.4632	6.840	5.050	19	7.42	1.179	10.29	5.45	19
27.00	7.925	.4717	8.980	7.320	17	15.12	1.813	19.97	13.18	17
27.10	8.974	.4846	10.090	8.260	17	20.62	2.198	26.67	17.57	17
27.20	10.108	.5621	11.430	9.140	17	27.84	3.306	36.28	21.09	17
27.30	11.419	.6271	12.690	10.160	17	37.94	4.434	47.20	27.67	17
27.40	12.979	.5623	14.240	12.220	17	52.57	4.476	63.13	47.24	17
27.50	14.775	.6233	15.860	13.520	17	73.62	6.087	85.40	61.41	17
27.60	15.860	1.0182	16.580	15.140	2	91.99	13.188	101.32	82.67	2

DELTA DH					ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	n/a	n/a	n/a	n/a	0	12.687	n/a	n/a	n/a	0
23.80	12.678	n/a	n/a	n/a	1	12.684	n/a	n/a	n/a	1
24.00	12.571	n/a	n/a	n/a	1	12.924	.3507	13.172	12.676	2
24.20	12.812	.4829	13.153	12.470	2	12.744	.2474	13.164	12.511	5
24.40	12.218	.4806	12.885	11.621	5	12.769	.2254	13.115	12.477	7
24.60	12.011	.3179	12.458	11.465	7	12.824	.2747	13.358	12.439	14
24.80	12.045	.3932	12.781	11.319	14	12.704	.2789	13.287	12.329	17
25.00	11.642	.2621	12.034	11.183	17	12.627	.2731	13.199	12.257	17
25.20	11.273	.3381	11.893	10.555	17	12.521	.2615	12.088	12.173	17
25.40	10.779	.3245	11.264	9.976	17	12.373	.2458	12.936	12.051	17
25.60	10.214	.2212	10.793	9.780	17	12.188	.2357	12.759	11.902	17
25.80	9.849	.2439	10.492	9.481	17	11.977	.2282	12.554	11.730	17
26.00	9.566	.2432	10.182	9.216	17	11.741	.2210	12.320	11.490	17
26.20	9.286	.2335	9.882	8.941	17	11.475	.2126	12.047	11.231	17
26.40	8.921	.2044	9.379	8.437	17	11.161	.1996	11.706	10.930	17
26.60	8.300	.2005	8.597	7.849	17	10.719	.1780	11.193	10.461	17
26.80	6.815	.1993	7.114	6.338	17	10.043	.1380	10.408	9.828	17
27.00	4.882	.2404	5.188	4.344	17	9.591	.1211	9.885	9.352	17
27.10	3.831	.2086	4.151	3.289	17	9.045	.0964	9.267	8.839	17
27.20	2.698	.3237	3.521	1.957	17	8.387	.0615	8.529	8.295	17
27.30	1.387	.4035	2.499	1.677	17	7.587	.0180	7.617	7.561	17
27.40	-0.172	.3282	0.227	-0.854	17	6.563	.0499	6.613	6.437	17
27.50	-1.969	.4077	-1.116	-2.730	17	5.379	.0665	5.426	5.332	2

OXYGEN					SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0
23.80	n/a	n/a	n/a	2/a	0	1502	n/a	n/a	n/a	1
24.00	n/a	n/a	n/a	2/a	0	1500	n/a	n/a	n/a	1
24.20	n/a	n/a	n/a	2/a	0	1501	2.1	1502	1499	2
24.40	n/a	n/a	n/a	2/a	0	1496	2.5	1498	1492	5
24.60	n/a	n/a	n/a	2/a	0	1494	2.0	1496	1490	8
24.80	7.088	n/a	n/a	n/a	1	1491	1.9	1494	1487	15
25.00	7.156	n/a	n/a	n/a	1	1488	1.9	1492	1485	19
25.20	7.188	n/a	n/a	n/a	1	1484	1.9	1489	1481	19
25.40	6.666	n/a	n/a	n/a	1	1481	1.9	1485	1477	19
25.60	6.100	n/a	n/a	n/a	1	1479	2.2	1482	1475	19
25.80	5.600	n/a	n/a	n/a	1	1478	1.9	1481	1475	19
26.00	4.988	n/a	n/a	n/a	1	1478	1.5	1480	1476	19
26.20	4.455	n/a	n/a	n/a	1	1478	1.7	1481	1476	19
26.40	3.933	n/a	n/a	n/a	1	1479	1.5	1481	1476	19
26.60	3.077	n/a	n/a	n/a	1	1478	1.4	1481	1476	19
26.80	1.444	n/a	n/a	n/a	1	1475	1.1	1477	1473	19
27.00	.97	n/a	n/a	n/a	1	1475	1.0	1476	1473	17
27.10	.61	n/a	n/a	n/a	1	1476	.9	1477	1474	17
27.20	.44	n/a	n/a	n/a	1	1476	.7	1478	1475	17
27.30	.44	n/a	n/a	n/a	1	1477	.8	1479	1476	17
27.40	.54	n/a	n/a	n/a	1	1479	.6	1481	1479	17
27.50	n/a	n/a	n/a	n/a	0	1482	1.7	1483	1480	17
27.60	n/a	n/a	n/a	n/a	0	1484	1.4	1485	1483	2

STATION MP12 J U L Y 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	15.51	.021	15.53	15.50	0	32.556	.0038	32.561	32.551	0	
24.20	13.92	.850	14.79	12.88	0	32.599	.2185	32.619	32.159	2	
24.40	12.89	.562	13.88	12.30	0	32.386	.1465	32.640	32.230	0	
24.60	12.00	.480	12.89	11.31	0	32.428	.1083	32.640	32.288	0	
24.80	11.01	.449	11.85	10.23	0	32.462	.0940	32.640	32.342	0	
25.00	10.02	.421	10.72	9.29	0	32.500	.0857	32.640	32.365	0	
25.20	9.02	.400	9.59	8.28	0	32.540	.0784	32.670	32.399	0	
25.40	8.12	.400	8.75	7.28	0	32.612	.0724	32.725	32.454	0	
25.60	7.53	.515	8.47	6.93	0	32.761	.0914	32.928	32.580	0	
25.80	7.34	.516	8.43	6.39	0	32.981	.0908	33.175	32.813	0	
26.00	7.20	.468	8.22	6.56	0	33.210	.0824	33.391	33.093	0	
26.20	7.09	.524	8.35	6.51	0	33.443	.0937	33.671	33.341	0	
26.40	6.94	.435	7.96	6.45	0	33.670	.0758	33.852	33.586	0	
26.60	6.51	.238	6.96	6.11	0	33.850	.0398	33.926	33.783	0	
26.80	5.46	.252	5.74	4.95	0	33.936	.0380	33.978	33.859	0	
27.00	4.49	.229	4.76	4.14	0	34.050	.0319	34.088	34.001	0	
27.10	4.18	.176	4.40	3.93	0	34.133	.0235	34.163	34.099	0	
27.20	3.87	.119	4.03	3.67	0	34.219	.0151	34.241	34.192	0	
27.30	3.53	.069	3.65	3.44	0	34.302	.0085	34.317	34.291	0	
27.40	3.18	.032	3.22	3.10	0	34.386	.0019	34.390	34.377	1	
27.50	2.69	.047	2.74	2.58	0	34.456	.0052	34.460	34.445	0	
27.60	2.28	n/a	n/a	n/a	1	34.540	n/a	n/a	n/a	1	
DEPTH						SVA					
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	392.4	.20	392.5	392.2	0	
24.00	14	8.26	28	n/a	0	373.3	.24	373.6	373.0	0	
24.20	17	8.99	31	1	0	354.2	.21	354.5	353.8	0	
24.40	20	8.69	34	12	0	335.2	.18	335.5	334.9	0	
24.60	24	8.39	42	18	0	316.3	.14	316.6	316.0	0	
24.80	31	7.22	52	24	0	297.3	.17	297.6	297.1	0	
25.00	38	8.09	62	33	0	278.4	.17	278.7	278.1	0	
25.20	46	8.09	79	44	0	259.4	.20	259.9	259.2	0	
25.40	64	11.24	103	66	0	240.8	.21	241.1	240.4	0	
25.60	82	13.55	112	78	0	221.9	.18	222.2	221.6	0	
25.80	94	13.44	120	89	0	203.1	.16	203.2	202.8	0	
26.00	106	11.55	126	101	0	184.3	.18	184.5	184.0	0	
26.20	120	10.99	137	101	0	165.7	.28	166.3	165.3	0	
26.40	142	11.66	161	123	0	147.2	.46	148.5	146.8	0	
26.60	188	25.36	258	160	0	129.1	.46	130.3	128.5	0	
26.80	294	36.33	378	257	0	111.2	.41	112.0	110.6	0	
27.00	466	32.22	545	421	0	102.3	.37	103.1	101.9	0	
27.10	567	29.66	644	532	0	93.5	.32	94.1	93.0	0	
27.20	687	31.92	759	645	0	84.7	.29	85.2	84.3	0	
27.30	836	30.99	900	791	0	75.9	.19	76.1	75.5	0	
27.40	1017	30.11	1050	962	0	66.9	.09	67.1	66.8	0	
27.50	1284	27.8	1342	1245	0	58.0	n/a	n/a	n/a	1	
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	392.4	.20	392.5	392.2	0	
24.00	14	8.26	28	n/a	0	373.3	.24	373.6	373.0	0	
24.20	17	8.99	31	1	0	354.2	.21	354.5	353.8	0	
24.40	20	8.69	42	18	0	335.2	.18	335.5	334.9	0	
24.60	24	8.39	52	24	0	316.3	.14	316.6	316.0	0	
24.80	31	7.22	62	33	0	297.3	.17	297.6	297.1	0	
25.00	38	8.09	79	44	0	278.4	.20	278.7	278.1	0	
25.20	46	8.09	98	72	0	259.4	.21	259.9	259.2	0	
25.40	64	11.24	103	66	0	240.8	.21	241.1	240.4	0	
25.60	82	13.55	112	78	0	221.9	.18	222.2	221.6	0	
25.80	94	13.44	120	89	0	203.1	.16	203.2	202.8	0	
26.00	106	10.02	126	101	0	184.3	.18	184.5	184.0	0	
26.20	120	9.02	137	101	0	165.7	.28	166.5	165.0	0	
26.40	142	8.11	161	123	0	147.2	.25	148.5	146.8	0	
26.60	188	7.52	166	124	0	129.1	.46	130.3	128.5	0	
26.80	294	7.33	188	143	0	111.2	.41	112.0	110.6	0	
27.00	466	7.19	218	165	0	102.3	.37	103.1	101.9	0	
27.10	567	7.08	244	188	0	93.5	.32	94.1	93.0	0	
27.20	687	6.93	244	195	0	84.7	.29	85.2	84.3	0	
27.30	836	6.50	236	194	0	75.9	.19	76.1	75.5	0	
27.40	1017	5.44	250	172	0	66.9	.09	67.1	66.8	0	
27.50	1284	4.46	227	172	0	58.0	.08	58.5	58.0	0	
27.60	2.17	4.14	175	135	0	48.6	n/a	n/a	n/a	1	
SIGMA -T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	391.8	.11	391.9	391.8	0	
24.00	15.51	.021	15.53	15.50	0	372.1	.10	372.8	372.8	0	
24.20	13.92	.850	14.79	12.88	0	352.5	.26	353.7	353.7	0	
24.40	12.89	.562	13.88	12.29	0	333.1	.44	334.6	330.4	0	
24.60	11.99	.479	12.88	11.31	0	313.7	.25	315.5	309.0	0	
24.80	11.01	.449	11.85	10.23	0	294.6	.28	296.5	290.2	0	
25.00	10.02	.420	10.72	9.29	0	276.3	.18	277.5	274.1	0	
25.20	9.02	.399	9.58	8.28	0	257.9	.55	258.5	256.2	0	
25.40	8.11	.399	8.74	7.28	0	238.9	.55	239.5	237.8	0	
25.60	7.52	.316	8.47	6.52	0	219.9	.44	220.4	219.2	0	
25.80	7.33	.518	8.43	6.58	0	201.0	.47	201.4	200.0	0	
26.00	7.19	.469	8.21	6.55	0	182.2	.22	182.4	181.7	0	
26.20	7.08	.524	8.34	6.50	0	163.3	.17	163.4	162.8	0	
26.40	6.93	.454	7.95	6.44	0	144.3	.07	144.4	144.2	0	
26.60	6.50	.236	6.94	6.10	0	125.3	.06	125.4	125.2	0	
26.80	5.44	.250	5.72	4.93	0	106.2	.12	106.3	106.0	0	
27.00	4.46	.227	4.72	4.11	0	96.7	.05	96.7	96.6	0	
27.10	4.14	.175	4.35	3.88	0	87.1	.05	87.2	87.1	0	
27.20	3.82	.119	3.99	3.62	0	77.6	.05	77.7	77.6	0	
27.30	3.47	.069	3.55	3.38	0	68.0	.07	68.1	67.9	0	
27.40	2.11	.032	2.65	2.03	0	58.4	.08	58.5	58.0	0	
27.50	2.60	.047	2.65	2.49	0	48.6	n/a	n/a	n/a	0	
27.60	2.17	n/a	n/a	n/a	1					1	

STATION MP12 J U L Y 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	.565	.3323	.800	.330	0	.04	.049	.08	.01	22	
24.20	.658	.3747	1.120	.230	0	.07	.065	.16	.01	0	
24.40	.754	.3434	1.220	.050	0	.09	.060	.19	.00	0	
24.60	.872	.3275	1.300	.410	129	.12	.076	.22	.02	129	
24.80	.992	.2867	1.500	.620	130	.18	.079	.31	.06	130	
25.00	1.320	.2961	1.700	.800	131	.26	.107	.44	.09	131	
25.20	1.556	.2721	1.970	1.060	132	.36	.122	.60	.17	132	
25.40	2.032	.3342	2.540	1.440	133	.64	.205	.96	.31	133	
25.60	2.492	.3888	3.150	1.940	134	.99	.307	1.49	.62	134	
25.80	2.771	.3842	3.360	2.300	135	1.49	.342	1.72	.86	135	
26.00	3.014	.3466	3.510	2.600	136	1.80	.346	1.94	1.06	12	
26.20	3.288	.3335	3.840	2.840	137	2.33	.357	2.88	1.29	12	
26.40	3.677	.3091	4.180	2.30	138	3.58	.900	6.05	2.55	138	
26.60	4.393	.4724	5.480	3.790	139	7.21	1.531	11.49	5.38	12	
26.80	5.861	.5396	7.160	5.120	140	15.26	2.281	21.15	12.18	12	
27.00	7.933	.5701	9.200	7.080	141	21.07	2.502	27.73	18.03	12	
27.10	9.031	.5405	10.280	8.280	142	28.69	2.945	35.96	25.07	12	
27.20	10.212	.5516	11.420	9.440	143	39.14	.298	46.84	34.40	12	
27.30	11.547	.5406	12.700	10.700	144	52.83	.044	56.58	46.83	11	
27.40	12.959	.4321	13.630	12.080	145	75.52	3.275	80.91	69.83	9	
27.50	14.847	.4013	15.290	14.110	146	n/a	n/a	n/a	n/a	1	
27.60	16.370	n/a	n/a	n/a	1	102.89	n/a	n/a	n/a	1	

DELTA DH						ACC. POT.					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	12.531	.4356	12.839	12.223	22	13.090	.1103	13.168	13.012	22	
24.20	12.331	.2732	12.698	12.051	5	12.964	.1002	13.118	12.841	5	
24.40	12.047	.4329	12.899	11.497	8	12.844	.3651	13.444	12.293	8	
24.60	11.894	.3734	12.631	11.180	11	12.737	.3280	13.408	12.240	11	
24.80	11.707	.3227	12.306	11.016	12	12.695	.3121	13.353	12.174	12	
25.00	11.522	.2899	11.987	10.864	12	12.631	.3067	13.281	12.100	12	
25.20	11.292	.2472	11.665	10.722	12	12.554	.2998	13.189	12.017	12	
25.40	10.798	.3134	11.393	10.502	12	12.455	.2916	13.075	11.923	12	
25.60	10.335	.3816	11.195	9.765	12	12.315	.2821	12.944	11.809	12	
25.80	10.042	.3847	11.003	9.587	12	12.148	.2777	12.800	11.672	12	
26.00	9.799	.3587	10.755	9.424	13	11.958	.2763	12.638	11.514	12	
26.20	9.524	.3293	10.431	9.127	12	11.747	.2759	12.451	11.336	12	
26.40	9.136	.1854	9.516	8.790	12	11.503	.2716	12.215	11.127	12	
26.60	8.418	.1630	8.586	7.977	12	11.204	.2427	11.838	10.868	12	
26.80	6.953	.2422	7.211	6.303	13	10.778	.1883	11.259	10.511	12	
27.00	4.880	.2565	5.218	4.255	12	10.096	.1299	10.407	9.917	12	
27.10	3.783	.2277	4.021	3.178	12	9.638	.1019	9.876	9.497	12	
27.20	2.600	.2466	2.981	2.035	12	9.082	.0752	9.244	8.972	12	
27.30	1.264	.2383	1.599	.759	12	8.407	.0504	8.498	8.331	12	
27.40	-0.205	.2331	2.218	-0.463	11	7.587	.0187	7.605	7.549	11	
27.50	-2.125	.2123	-1.809	-2.554	9	6.552	.0218	6.583	6.515	9	
27.60	-4.068	n/a	n/a	n/a	1	5.343	n/a	n/a	n/a	1	

OXYGEN						SOUND					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	1506	.0	1506	1506	0	
24.00	n/a	n/a	n/a	n/a	0	1501	3.1	1504	1497	5	
24.20	n/a	n/a	n/a	n/a	0	1498	2.0	1501	1495	0	
24.40	6.455	.092	6.52	6.39	2	1495	2.0	1498	1492	2	
24.60	6.599	.085	6.65	6.53	2	1491	1.8	1495	1488	3	
24.80	6.72	.262	6.91	6.54	2	1488	1.7	1491	1485	3	
25.00	6.78	.311	7.00	6.56	2	1484	1.7	1487	1481	3	
25.20	6.75	.247	6.93	6.58	2	1481	1.8	1484	1478	3	
25.40	6.366	.021	6.37	6.34	2	1479	2.1	1483	1475	3	
25.60	5.88	.120	5.97	5.80	2	1479	2.2	1484	1475	2	
25.80	5.44	.311	5.66	5.22	2	1479	1.9	1483	1476	2	
26.00	5.03	.453	5.35	4.71	2	1479	2.1	1484	1477	2	
26.20	4.57	.629	5.01	4.12	2	1479	2.0	1484	1477	2	
26.40	4.06	.849	4.66	3.46	2	1479	1.4	1482	1477	2	
26.60	2.155	.028	2.17	2.13	2	1476	1.4	1479	1474	2	
26.80	.96	.028	.98	.94	2	1475	1.3	1477	1473	2	
27.00	.61	.099	.68	.54	2	1476	.9	1477	1474	2	
27.10	.45	.049	.49	.42	2	1477	.9	1478	1475	2	
27.20	.40	.057	.44	.36	2	1478	.7	1479	1477	2	
27.30	.41	.156	.52	.30	2	1479	.7	1480	1478	1	
27.40	.60	.035	.63	.58	2	1482	.3	1482	1481	9	
27.50	n/a	n/a	n/a	n/a	0	1486	n/a	n/a	n/a	1	

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	15.90	.235	16.34	15.70	7	32.167	.0620	32.276	32.111	7	
23.80	15.26	.357	15.85	14.56	14	32.266	.0702	32.393	32.154	14	
24.00	14.46	.488	15.46	13.23	20	32.306	.0982	32.540	32.119	20	
24.20	13.76	.572	14.69	12.47	27	32.373	.1278	32.590	32.132	27	
24.40	12.85	.548	13.78	11.93	27	32.395	.1226	32.604	32.149	27	
24.60	11.90	.509	12.87	10.87	27	32.422	.1113	32.622	32.166	27	
24.80	10.92	.483	11.92	9.93	27	32.452	.1034	32.647	32.219	27	
25.00	9.93	.424	10.86	9.10	27	32.485	.0939	32.657	32.299	27	
25.20	8.97	.381	9.63	8.19	27	32.529	.0771	32.665	32.370	27	
25.40	8.05	.320	8.57	7.31	27	32.600	.0588	32.700	32.470	27	
25.60	7.40	.376	8.25	6.62	27	32.736	.0702	32.895	32.595	27	
25.80	7.13	.366	8.03	6.46	27	32.942	.0645	33.098	32.827	27	
26.00	7.00	.347	7.97	6.48	27	33.175	.0619	33.349	33.080	27	
26.20	6.92	.339	7.89	6.42	27	33.413	.0583	33.583	33.329	27	
26.40	6.77	.332	7.72	6.31	27	33.642	.0568	33.808	33.563	27	
26.60	6.38	.254	7.08	5.93	27	33.827	.0422	33.946	33.755	27	
26.80	5.39	.227	5.77	4.95	27	33.915	.0344	33.983	33.859	27	
27.00	4.46	.208	4.76	4.10	27	34.045	.0285	34.087	33.995	27	
27.10	4.17	.193	4.46	3.78	27	34.132	.0255	34.170	34.084	27	
27.20	3.92	.160	4.15	3.62	26	34.225	.0203	34.254	34.187	26	
27.30	3.60	.121	3.85	3.39	26	34.310	.0151	34.341	34.285	26	
27.40	3.21	.101	3.40	3.05	25	34.389	.0115	34.411	34.371	25	
27.50	2.78	.114	3.09	2.61	23	34.466	.0118	34.502	34.449	23	
27.60	2.29	.131	2.44	2.13	6	34.540	.0117	34.554	34.525	6	
DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	17	12.2	31	1	7	430.6	.35	430.9	430.1	7	
23.80	19	10.2	35	1	14	411.4	.23	411.7	410.9	14	
24.00	22	9.6	39	3	20	392.4	.22	392.7	391.7	20	
24.20	24	9.4	44	6	27	373.3	.21	373.6	372.6	27	
24.40	29	9.0	48	8	27	354.3	.23	354.7	353.7	27	
24.60	34	9.4	53	10	27	335.3	.20	335.8	334.9	27	
24.80	39	9.6	60	14	27	316.4	.18	316.8	315.9	27	
25.00	45	10.0	67	19	27	297.4	.20	297.8	296.9	27	
25.20	54	11.8	77	28	27	278.5	.22	278.9	278.0	27	
25.40	71	17.4	110	45	27	259.7	.28	260.3	259.2	27	
25.60	89	15.9	128	68	27	240.8	.25	241.5	240.5	27	
25.80	106	14.4	139	91	27	222.0	.22	222.5	221.7	27	
26.00	120	13.8	149	101	27	203.2	.19	203.6	202.9	27	
26.20	134	13.3	160	115	27	184.5	.16	184.7	184.2	27	
26.40	153	13.3	178	127	27	165.7	.22	166.3	165.3	27	
26.60	195	19.9	243	152	27	147.3	.34	148.3	146.6	27	
26.80	299	24.7	375	249	27	129.1	.37	130.3	128.4	27	
27.00	463	29.8	548	418	27	111.1	.39	112.2	110.5	27	
27.10	570	29.7	639	528	27	102.4	.30	102.9	101.7	27	
27.20	684	27.8	739	648	26	93.6	.29	94.2	92.9	26	
27.30	832	30.7	899	776	26	84.8	.26	85.5	84.3	26	
27.40	1017	40.6	1085	950	25	76.0	.25	76.7	75.6	25	
27.50	1244	60.6	1341	1101	23	66.9	.20	67.5	66.5	23	
27.60	1591	153.3	1779	1419	6	57.9	.34	58.3	57.5	6	
THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	15.90	.236	16.34	15.70	7	428.4	1.65	429.8	424.9	7	
23.80	15.26	.357	15.85	14.56	14	407.8	5.11	410.9	391.1	14	
24.00	14.46	.489	15.46	13.23	20	388.6	5.96	391.9	365.1	20	
24.20	13.75	.573	14.69	12.47	27	369.9	4.57	372.8	351.0	27	
24.40	12.84	.547	13.77	11.93	27	351.0	3.24	353.7	341.3	27	
24.60	11.89	.509	12.87	10.87	27	331.8	2.69	334.6	325.2	27	
24.80	10.91	.483	11.92	9.93	27	312.7	2.28	315.6	307.9	27	
25.00	9.93	.423	10.85	9.09	27	294.3	1.86	296.6	291.1	27	
25.20	8.96	.381	9.62	8.19	27	276.3	1.10	277.5	273.7	27	
25.40	8.04	.320	8.56	7.30	27	257.9	.65	258.5	256.7	27	
25.60	7.40	.376	8.25	6.61	27	239.0	.45	239.5	237.7	27	
25.80	7.12	.367	8.02	6.45	27	220.1	.37	220.5	219.2	27	
26.00	6.99	.348	7.96	6.47	27	201.0	.34	201.4	200.2	27	
26.20	6.90	.338	7.88	6.41	27	182.1	.30	182.4	181.3	27	
26.40	6.76	.331	7.70	6.30	27	163.2	.14	163.4	162.9	27	
26.60	6.36	.252	7.05	5.91	27	144.3	.06	144.4	144.2	27	
26.80	5.29	.226	5.75	4.92	27	125.3	.13	125.4	124.9	27	
27.00	4.42	.207	4.72	4.06	27	106.2	.09	106.3	106.0	27	
27.10	4.13	.193	4.42	3.74	27	96.7	.08	96.8	96.5	27	
27.20	3.87	.159	4.10	3.58	26	87.2	.05	87.3	87.1	26	
27.30	3.54	.121	3.79	3.33	26	77.6	.04	77.7	77.6	26	
27.40	3.14	.102	3.33	2.97	25	68.0	.09	68.1	67.9	25	
27.50	2.69	.118	3.01	2.51	23	58.4	.13	58.6	58.2	23	
27.60	2.18	.142	2.35	2.01	6	48.8	.21	49.0	48.5	6	

STATION MP12 AUGUST 1956 to 1990

DELTA D					POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	.776	.5571	1.400	.030	7	.10	.093	.22	.00	7
23.80	.818	.4578	1.580	.050	14	.10	.087	.28	.00	14
24.00	.914	.4274	1.750	.140	20	.12	.093	.34	.00	20
24.20	.990	.4159	1.910	.220	27	.14	.100	.41	.01	27
24.40	1.155	.4010	2.060	.300	27	.18	.108	.48	.01	27
24.60	1.327	.4121	2.250	.380	27	.24	.128	.58	.02	27
24.80	1.498	.4152	2.470	.520	27	.30	.149	.71	.04	27
25.00	1.681	.4281	2.680	.650	27	.38	.173	.84	.06	27
25.20	1.949	.4761	2.900	.910	27	.52	.233	1.01	.12	27
25.40	2.396	.6101	3.830	1.360	27	.03	.418	.90	.29	27
25.60	2.864	.5425	4.280	2.130	27	1.21	.460	.45	.68	27
25.80	3.257	.4917	4.470	2.560	27	1.60	.464	.71	1.12	27
26.00	3.547	.4627	4.640	3.930	27	1.93	.474	.95	1.34	27
26.20	3.828	.4387	4.800	3.200	27	2.29	.490	.27	1.64	27
26.40	4.160	.4202	5.010	3.420	27	2.78	.510	.83	1.92	27
26.60	4.814	.4859	5.620	3.800	27	3.97	.770	.61	2.47	27
26.80	6.257	.5423	7.350	5.320	27	7.62	1.256	11.37	5.46	27
27.00	8.232	.6198	9.460	7.300	27	15.34	2.042	21.32	12.46	27
27.10	9.387	.5991	10.550	8.420	27	21.47	2.341	26.90	18.16	27
27.20	10.526	.5776	11.610	9.680	26	28.71	2.523	34.33	25.33	26
27.30	11.860	.5890	12.890	10.790	26	39.10	3.052	46.49	33.79	26
27.40	13.343	.6664	14.650	12.190	25	53.34	4.338	62.19	46.61	25
27.50	14.984	.7330	16.350	13.510	23	72.43	6.521	84.74	58.38	23
27.60	17.007	1.5271	19.200	15.310	6	103.74	18.643	126.86	84.33	6

DELTA DH					ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	12.626	.4658	13.603	12.182	7	13.373	.4413	13.862	12.728	7
23.80	12.466	.3795	13.447	12.017	14	13.246	.4169	13.798	12.493	14
24.00	12.292	.3200	13.271	11.888	20	13.146	.3635	13.726	12.488	20
24.20	12.146	.3329	12.913	11.663	26	13.069	.3579	13.647	12.480	26
24.40	11.985	.3097	12.689	11.535	26	13.018	.3484	13.561	12.467	26
24.60	11.816	.2959	12.438	11.388	26	12.958	.3383	13.498	12.439	26
24.80	11.646	.2901	12.247	11.197	26	12.889	.3273	13.431	12.389	26
25.00	11.464	.2878	12.104	11.042	26	12.809	.3168	13.356	12.326	26
25.20	11.193	.2630	11.770	10.806	26	12.716	.3045	13.271	12.248	26
25.40	10.739	.3024	11.247	10.032	26	12.598	.2836	13.150	12.151	26
25.60	10.268	.2662	10.891	9.586	26	12.445	.2584	12.998	12.019	26
25.80	9.877	.2598	10.635	9.369	26	12.260	.2391	12.820	11.861	26
26.00	9.588	.2517	10.327	9.157	26	12.045	.2241	12.628	11.678	26
26.20	9.308	.2416	9.955	8.910	26	11.805	.2116	12.400	11.462	26
26.40	8.976	.2204	9.363	8.613	26	11.536	.2004	12.125	11.188	26
26.60	8.313	.2397	8.873	7.862	26	11.218	.1866	11.761	10.883	26
26.80	6.866	.2234	7.279	6.313	26	10.776	.1655	11.239	10.500	26
27.00	4.893	.2420	5.316	4.204	26	10.094	.1205	10.401	9.887	26
27.10	3.745	.2431	4.121	3.122	26	9.636	.0910	9.841	9.456	26
27.20	2.630	.2143	2.909	2.229	26	9.083	.0686	9.248	8.943	26
27.30	1.295	.2343	1.706	.782	26	8.416	.0455	8.531	8.313	26
27.40	-0.205	.3156	-0.304	-0.757	25	7.592	.0213	7.645	7.561	25
27.50	-1.841	.4581	-0.783	-2.569	25	6.568	.0420	6.663	6.475	23
27.60	-3.979	1.0885	-2.816	-5.277	6	5.337	.1413	5.528	5.153	6

OXYGEN					SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	4.32	n/a	n/a	n/a	1	1507	1.1	1509	1506	7
23.80	5.38	.900	6.15	4.39	3	1505	1.2	1507	1503	14
24.00	5.69	.850	6.29	4.44	4	1503	2.0	1506	1498	20
24.20	5.84	.907	6.42	4.49	4	1497	2.0	1501	1494	27
24.40	5.88	.911	6.54	4.54	4	1494	1.9	1498	1491	27
24.60	5.92	.888	6.65	4.63	4	1491	1.9	1495	1487	27
24.80	5.96	.842	6.74	4.77	4	1488	1.7	1491	1484	27
25.00	5.98	.768	6.71	4.90	4	1484	1.6	1487	1481	27
25.20	5.97	.697	6.70	5.02	4	1481	1.5	1483	1478	27
25.40	6.05	.375	6.59	5.78	4	1479	1.0	1483	1476	27
25.60	5.70	.373	6.23	5.39	4	1479	1.5	1482	1476	27
25.80	5.26	.277	5.64	4.99	4	1479	1.4	1482	1476	27
26.00	4.83	.170	5.05	4.66	4	1479	1.4	1482	1476	27
26.20	4.36	.067	4.45	4.31	4	1479	1.4	1483	1477	27
26.40	3.89	.428	4.23	3.30	4	1479	1.4	1483	1477	27
26.60	3.27	.713	4.02	2.32	4	1478	1.3	1482	1476	27
26.80	2.25	.198	2.45	2.04	4	1476	1.1	1477	1474	27
27.00	1.06	.271	1.43	.78	4	1476	.9	1477	1474	27
27.10	.73	.174	.92	.57	4	1477	.7	1478	1475	26
27.20	.48	.104	.56	.33	4	1478	.6	1479	1477	26
27.30	.33	.081	.38	.21	4	1480	.6	1481	1479	25
27.40	.37	.089	.45	.27	4	1481	.7	1483	1480	23
27.50	.59	.127	.67	.44	3	1486	2.2	1488	1483	6
27.60	1.06	.205	1.20	.91	2					

STATION MP12 SEPTEMBER 1956 to 1990

TEMPERATURE					SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	16.23	n/a	n/a	n/a	1	32.241	n/a	n/a	n/a	1
23.80	15.62	.460	16.35	15.10	18	32.354	.1276	32.587	32.212	8
24.00	14.71	.543	15.68	13.88	15	32.355	.1423	32.619	32.110	15
24.20	13.86	.518	14.84	12.94	21	32.391	.1218	32.639	32.170	21
24.40	12.98	.483	13.63	12.08	23	32.435	.1120	32.647	32.234	23
24.60	12.04	.490	12.96	11.28	23	32.467	.1100	32.654	32.290	23
24.80	11.12	.469	12.02	10.32	23	32.503	.0990	32.683	32.341	23
25.00	10.14	.471	11.08	9.43	23	32.530	.0978	32.709	32.361	23
25.20	9.16	.437	9.87	8.45	23	32.565	.0881	32.710	32.417	23
25.40	8.16	.428	9.08	7.34	23	32.620	.0826	32.791	32.479	23
25.60	7.46	.464	8.42	6.67	23	32.746	.0883	32.940	32.606	23
25.80	7.15	.476	8.25	6.49	23	32.948	.0879	33.140	32.828	23
26.00	6.99	.446	8.16	6.24	23	32.172	.0802	33.379	33.043	23
26.20	6.88	.383	7.97	6.31	23	32.406	.0673	33.598	33.309	23
26.40	6.78	.341	7.80	6.24	23	32.642	.0594	33.822	33.552	23
26.60	6.49	.292	7.36	5.99	23	32.839	.0492	34.996	33.765	23
26.80	5.33	.254	6.14	4.86	23	33.917	.0383	34.042	33.850	23
27.00	4.45	.202	4.88	4.11	22	34.043	.0280	34.103	33.996	22
27.10	4.16	.165	4.52	3.90	21	34.131	.0223	34.180	34.095	21
27.20	3.88	.158	4.15	3.65	21	34.219	.0205	34.256	34.189	21
27.30	3.55	.126	3.75	3.35	21	34.304	.0154	34.329	34.280	21
27.40	3.20	.103	3.39	2.02	21	34.387	.0118	34.410	34.368	21
27.50	2.74	.081	2.85	2.55	20	34.461	.0085	34.473	34.440	20
27.60	2.27	.061	2.38	2.20	6	34.538	.0049	34.547	34.533	6

DEPTH					SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	30	n/a	n/a	n/a	1	430.9	n/a	n/a	n/a	1
23.80	28	.66	53	55	18	411.5	.22	411.8	411.1	8
24.00	25	.69	56	12	15	392.5	.19	392.8	392.2	15
24.20	29	.67	38	11	21	373.4	.21	373.8	373.1	21
24.40	33	5.2	41	22	23	354.4	.20	354.7	353.8	23
24.60	36	4.9	46	29	23	335.3	.23	335.7	334.7	23
24.80	40	4.6	51	33	23	316.3	.27	316.7	315.7	23
25.00	45	5.6	59	38	23	297.4	.23	297.7	296.9	23
25.20	53	7.99	69	41	23	278.5	.19	278.8	278.1	23
25.40	69	15.0	103	47	23	259.7	.23	260.1	259.3	23
25.60	90	14.9	120	59	23	240.8	.24	241.3	240.3	23
25.80	106	13.8	133	65	23	222.0	.23	222.4	221.3	23
26.00	119	14.66	143	71	23	203.2	.21	203.5	202.5	23
26.20	132	14.22	151	86	23	184.4	.19	184.7	183.8	23
26.40	152	13.6	172	109	23	165.7	.20	166.1	165.2	23
26.60	192	17.8	219	146	23	147.2	.28	147.9	146.7	23
26.80	298	17.99	329	248	23	129.0	.23	129.7	128.7	23
27.00	457	21.4	508	403	22	111.0	.25	111.5	110.7	22
27.10	558	24.1	609	501	21	102.2	.20	102.6	101.8	21
27.20	679	27.3	745	643	21	93.5	.20	93.8	93.1	21
27.30	823	26.6	895	791	21	84.7	.24	85.2	84.3	21
27.40	1005	31.8	1097	970	21	75.9	.20	76.4	75.5	21
27.50	1254	52.0	1397	1174	20	66.9	.22	67.5	66.6	20
27.60	1599	70.7	1668	1467	6	57.9	.25	58.2	57.5	6

THETA					SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	16.22	n/a	n/a	n/a	1	429.9	n/a	n/a	n/a	1
23.80	15.62	.460	16.35	15.10	18	408.9	1.93	410.7	405.1	8
24.00	14.71	.543	15.67	13.87	15	390.1	2.45	391.9	382.8	15
24.20	13.85	.519	14.83	12.93	21	370.4	2.68	372.8	363.0	21
24.40	12.98	.486	13.63	12.07	23	350.5	.25	353.7	342.1	23
24.60	12.03	.490	12.95	11.27	23	331.0	.72	334.6	322.6	23
24.80	11.11	.468	12.01	10.32	23	312.3	.63	315.6	304.9	23
25.00	10.13	.470	11.08	9.43	23	294.3	2.62	296.5	288.5	23
25.20	9.15	.436	9.87	8.44	23	276.4	1.21	277.5	273.4	23
25.40	8.16	.427	9.08	7.34	23	258.0	.66	258.5	256.6	23
25.60	7.45	.464	8.41	6.66	23	239.1	.80	239.5	235.6	23
25.80	7.14	.475	8.24	6.48	23	219.9	.77	220.4	216.8	23
26.00	6.98	.446	8.15	6.23	23	201.1	.43	201.4	200.0	23
26.20	6.87	.383	7.95	6.30	23	182.2	.20	182.4	181.7	23
26.40	6.76	.343	7.79	6.22	23	163.2	.15	163.4	162.9	23
26.60	6.43	.292	7.34	5.97	23	144.3	.05	144.4	144.2	23
26.80	5.31	.253	6.11	4.83	21	125.3	.11	125.4	125.0	21
27.00	4.41	.202	4.85	4.07	22	106.2	.11	106.3	106.0	22
27.10	4.12	.165	4.48	3.85	21	96.7	.06	96.8	96.6	21
27.20	3.85	.157	4.10	3.60	21	87.2	.04	87.2	87.1	21
27.30	3.49	.125	3.69	2.29	21	77.7	.06	77.7	77.5	21
27.40	3.12	.104	3.32	2.94	21	68.1	.06	68.1	67.9	21
27.50	2.65	.083	2.76	2.46	20	58.5	.09	58.6	58.3	20
27.60	2.16	.065	2.28	2.09	6	48.7	.16	49.0	48.6	6

STATION MP12 SEPTEMBER 1956 to 1990

DELTA D					POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	1.400	n/a	n/a	n/a	1	.21	n/a	n/a	n/a	18
23.80	1.001	.3790	1.520	.220	18	.13	.073	.25	.01	8
24.00	1.038	.3183	1.640	.480	15	.14	.074	.29	.03	15
24.20	1.180	.2889	1.750	.420	21	.18	.074	.33	.02	21
24.40	1.300	.2368	1.850	.840	24	.22	.071	.37	.09	23
24.60	1.427	.2262	1.950	1.090	24	.26	.077	.42	.16	23
24.80	1.557	.2129	2.040	1.230	24	.31	.078	.50	.20	23
25.00	1.708	.2424	2.370	1.390	24	.38	.102	.64	.26	23
25.20	1.924	.3003	2.700	1.500	24	.49	.147	.85	.31	23
25.40	2.374	.4662	3.310	1.670	24	.80	.324	1.53	.38	23
25.60	2.888	.4432	3.710	2.090	24	1.22	.380	2.04	.57	23
25.80	3.273	.3865	3.950	2.240	24	1.60	.375	2.44	.67	23
26.00	3.538	.3908	4.150	2.370	24	1.91	.411	2.73	.76	23
26.20	3.799	.3765	4.390	2.660	24	2.24	.433	.98	.99	23
26.40	4.147	.3607	4.770	3.660	24	2.74	.465	.559	1.39	23
26.60	4.779	.3935	5.430	3.630	24	3.87	.642	5.07	2.14	23
26.80	6.237	.4034	7.000	4.030	24	7.52	.901	8.95	4.94	23
27.00	8.139	.4343	8.870	6.890	24	14.91	1.426	18.18	11.12	22
27.10	9.226	.4410	9.960	8.210	21	20.58	1.752	24.40	16.68	21
27.20	10.425	.4382	11.190	9.380	21	28.20	2.222	32.92	24.46	21
27.30	11.717	.4241	12.640	10.700	21	38.17	2.509	45.09	34.18	21
27.40	13.189	.4595	14.270	12.220	21	52.00	3.258	61.77	48.01	21
27.50	14.969	.5733	16.450	13.820	20	72.84	5.735	89.69	65.29	20
27.60	17.110	.7382	17.770	16.140	6	104.41	8.225	113.04	90.07	6

DELTA DH					ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	12.279	n/a	n/a	n/a	1	13.566	n/a	n/a	n/a	1
23.80	12.129	.4456	12.981	11.653	7	13.073	.2445	13.505	12.785	7
24.00	12.007	.4457	12.836	11.141	13	13.013	.3264	13.439	12.284	13
24.20	11.878	.3433	12.558	11.032	19	12.986	.2867	13.372	12.225	19
24.40	11.766	.2923	12.154	10.915	21	12.936	.2725	13.306	12.160	21
24.60	11.652	.2836	12.108	10.805	21	12.870	.2710	13.237	12.090	21
24.80	11.530	.2717	11.950	10.702	21	12.798	.2695	13.164	12.014	21
25.00	11.386	.2558	11.807	10.605	21	12.717	.2673	13.086	11.932	21
25.20	11.173	.2517	11.632	10.515	21	12.627	.2624	13.002	11.846	21
25.40	10.732	.3143	11.334	10.081	21	12.516	.2514	12.893	11.752	21
25.60	10.226	.2327	10.628	9.636	21	12.367	.2322	12.728	11.645	21
25.80	9.836	.1806	10.125	9.327	21	12.183	.2104	12.528	11.528	21
26.00	9.563	.0999	9.947	9.126	21	11.972	.1885	12.307	11.399	21
26.20	9.301	.1985	9.661	8.937	21	11.737	.1668	12.066	11.255	21
26.40	8.943	.1985	9.285	8.588	21	11.473	.1501	11.801	11.072	21
26.60	8.302	.2473	8.686	7.851	21	11.160	.1151	11.007	10.504	21
26.80	6.853	.1771	7.292	6.610	21	10.721	.0869	10.259	9.913	21
27.00	4.945	.1819	5.434	4.570	21	10.046	.0708	9.763	9.495	21
27.10	3.847	.1952	4.361	3.484	21	9.599	.0504	9.179	8.973	21
27.20	2.650	.2235	2.937	2.069	21	8.389	.0328	8.457	8.335	21
27.30	1.358	.2101	1.621	.795	21	7.583	.0193	7.636	7.553	21
27.40	-0.114	.2477	1.155	-0.835	21	6.561	.0378	6.624	6.467	20
27.50	-1.906	.3927	-1.332	-3.013	20	5.313	.0514	5.373	5.246	6

OXYGEN					SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	n/a	n/a	n/a	n/a	0	1508	n/a	n/a	n/a	1
23.80	6.22	n/a	n/a	n/a	1	1507	1.5	1509	1505	8
24.00	6.16	.297	6.47	5.88	13	1504	1.8	1507	1501	15
24.20	6.24	.416	6.70	5.89	13	1501	1.8	1504	1498	21
24.40	6.32	.520	6.90	5.90	13	1498	1.7	1500	1495	23
24.60	6.33	.526	6.92	5.91	13	1495	1.8	1498	1492	23
24.80	6.533	.382	6.93	6.17	13	1492	1.8	1495	1489	23
25.00	6.69	.442	6.96	6.18	13	1488	1.8	1492	1486	23
25.20	6.70	.510	7.21	6.19	13	1485	1.8	1488	1482	23
25.40	6.56	.411	7.02	6.23	13	1482	1.7	1485	1478	23
25.60	6.29	.176	6.49	6.18	13	1479	2.0	1483	1476	23
25.80	5.77	.148	5.94	5.67	13	1479	1.9	1483	1475	23
26.00	5.22	.237	5.48	5.02	13	1479	1.8	1483	1475	23
26.20	4.66	.320	4.98	4.34	13	1479	1.6	1483	1476	23
26.40	4.17	.369	4.45	3.75	13	1479	1.4	1483	1477	23
26.60	3.62	.262	3.80	3.32	13	1478	1.3	1483	1477	23
26.80	2.45	.265	2.66	2.15	13	1476	1.0	1479	1474	23
27.00	1.23	.202	1.45	1.05	1	1475	.8	1477	1474	22
27.10	.81	.028	.83	.79	1	1476	.7	1477	1475	21
27.20	.57	.067	.58	.57	1	1477	.5	1477	1476	21
27.30	.43	.000	.43	.43	1	1478	.6	1479	1477	21
27.40	.39	.071	.44	.34	1	1479	.4	1480	1479	21
27.50	.48	.092	.55	.42	1	1482	.8	1483	1480	20
27.60	.89	n/a	n/a	n/a	1	1486	.8	1486	1484	6

STATION MP12 OCTOBER 1956 to 1990

TEMPERATURE					SALINITY					
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	n/a	n/a	n/a	n/a	0	32.247	n/a	n/a	n/a	0
23.80	15.29	n/a	n/a	n/a	1	32.262	.0727	32.313	32.211	1
24.00	14.18	.177	14.39	14.05	2	32.411	.1165	32.544	32.271	4
24.20	13.84	.638	14.52	13.15	4	32.423	.1423	32.623	32.192	9
24.40	12.97	.598	13.83	12.14	9	32.456	.1205	32.680	32.275	11
24.60	12.06	.540	13.08	11.26	11	32.510	.0978	32.680	32.384	11
24.80	11.18	.520	12.03	10.43	11	32.553	.0898	32.680	32.449	11
25.00	10.23	.485	10.93	9.61	11	32.607	.0940	32.783	32.496	11
25.20	9.30	.424	9.88	8.76	11	32.670	.0999	32.898	32.556	11
25.40	8.49	.418	9.08	7.85	11	32.774	.1146	33.006	32.623	11
25.60	7.58	.545	8.48	6.78	11	32.953	.0877	33.107	32.838	11
25.80	7.18	.476	7.91	6.54	11	33.166	.0610	33.256	33.064	11
26.00	6.96	.349	7.45	6.37	11	33.392	.0388	33.453	33.327	11
26.20	6.80	.225	7.16	6.43	11	33.627	.0386	33.679	33.569	11
26.40	6.69	.227	7.01	6.35	11	33.836	.0348	33.874	33.787	11
26.60	6.43	.210	6.66	6.14	11	33.916	.0267	33.963	33.868	11
26.80	5.32	.171	5.63	5.01	11	34.032	.0244	34.089	33.994	11
27.00	4.36	.174	4.76	4.08	11	34.112	.0205	34.165	34.086	11
27.10	4.02	.153	4.41	3.82	11	34.206	.0168	34.248	34.186	11
27.20	3.77	.134	4.09	3.62	11	34.295	.0142	34.324	34.279	11
27.30	3.47	.113	3.71	3.34	11	34.382	.0077	34.392	34.371	11
27.40	3.15	.058	3.24	2.66	11	34.457	.0043	34.464	34.449	10
27.50	2.70	.043	2.76	2.64	10	34.535	.0058	34.539	34.532	4
27.60	2.23	.030	2.26	2.19	4					

DEPTH					SVA					N
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	n/a	n/a	n/a	n/a	0	411.6	n/a	n/a	n/a	0
23.80	31	n/a	n/a	n/a	1	392.4	.14	392.5	392.3	2
24.00	33	1.4	34	32	2	373.5	.45	374.1	373.1	4
24.20	38	8.3	50	31	4	354.5	.35	354.9	353.9	9
24.40	39	13.7	56	36	9	335.6	.25	335.9	335.2	11
24.60	47	9.0	63	32	11	316.6	.18	317.0	316.4	11
24.80	51	10.2	69	35	11	297.6	.29	298.2	297.1	11
25.00	56	11.3	77	38	11	278.6	.31	279.2	278.0	11
25.20	63	12.1	87	42	11	259.7	.33	260.2	259.0	11
25.40	75	13.7	98	58	11	240.9	.31	241.3	240.2	11
25.60	93	13.7	112	68	11	222.0	.28	222.5	221.5	11
25.80	109	15.4	130	71	11	203.2	.25	203.6	202.8	11
26.00	126	16.0	139	82	11	184.4	.24	184.8	184.1	11
26.20	133	16.0	157	101	11	165.7	.27	166.1	165.3	11
26.40	149	16.9	177	119	11	147.2	.28	147.6	146.8	11
26.60	186	17.9	218	163	11	129.0	.27	129.4	128.5	11
26.80	295	20.0	323	263	11	111.0	.22	111.3	110.7	11
27.00	459	21.5	495	429	11	102.1	.20	102.4	101.8	11
27.10	562	22.5	601	529	11	93.3	.24	93.7	93.0	11
27.20	681	24.0	713	632	11	84.6	.25	85.1	84.2	11
27.30	834	23.7	876	803	11	75.8	.20	76.2	75.5	11
27.40	1022	28	1056	968	11	66.8	.22	67.1	66.4	10
27.50	1266	44.3	1312	1179	10	58.1	.13	58.2	57.9	4
27.60	1644	34.0	1682	1602	4					

THETA					SVA (THETA)					N
SIGMA	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	1
23.80	15.19	n/a	n/a	n/a	0	407.7	n/a	n/a	n/a	1
24.00	14.16	.177	14.29	14.04	2	386.0	1.76	387.2	384.7	2
24.20	13.84	.639	14.52	13.14	4	368.7	4.40	372.7	364.2	4
24.40	12.97	.598	13.82	12.14	9	351.2	3.20	353.7	345.7	9
24.60	12.05	.542	13.08	11.26	11	332.2	2.29	334.4	329.0	11
24.80	11.17	.521	12.03	10.42	11	312.9	2.31	315.1	309.3	11
25.00	10.23	.481	10.92	9.61	11	294.0	2.90	296.5	288.5	11
25.20	9.29	.424	9.87	8.75	11	275.4	2.62	277.5	268.7	11
25.40	8.39	.415	9.07	7.85	11	257.5	2.37	258.5	250.4	11
25.60	7.57	.546	8.47	6.77	11	238.7	1.70	239.5	233.7	11
25.80	7.17	.476	7.90	6.53	11	219.9	.80	220.5	218.1	11
26.00	6.95	.349	7.45	6.36	11	201.0	.49	201.4	199.9	11
26.20	6.79	.227	7.15	6.41	11	182.1	.23	182.4	181.8	11
26.40	6.68	.228	6.99	6.34	11	163.3	.19	163.4	162.8	11
26.60	6.41	.210	6.64	6.12	11	144.4	.04	144.4	144.3	11
26.80	5.30	.171	5.61	4.99	11	125.3	.10	125.4	125.1	11
27.00	4.33	.173	4.73	4.05	11	106.2	.12	106.3	106.0	11
27.10	3.98	.153	4.37	3.78	11	96.7	.08	96.8	96.6	11
27.20	3.72	.134	4.04	3.57	11	87.2	.06	87.3	87.1	11
27.30	4.41	.113	3.65	3.28	11	77.7	.05	77.7	77.6	11
27.40	3.08	.059	3.17	2.99	11	68.1	.07	68.1	67.9	11
27.50	2.61	.046	2.68	2.55	10	58.5	.13	58.6	58.3	10
27.60	2.11	.031	2.14	2.07	4	48.6	.05	48.7	48.6	4

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DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	1.330	n/a	n/a	n/a	1	.21	n/a	n/a	n/a	0	
24.00	1.380	.0707	1.430	1.330	2	.23	.021	.25	.22	2	
24.20	1.517	.3147	1.930	1.770	4	.30	.132	.49	.18	4	
24.40	1.310	.5482	2.170	2.10	9	.26	.173	.62	.01	9	
24.60	1.739	.3237	2.400	1.140	11	.43	.159	.77	.19	11	
24.80	1.873	.3592	2.620	1.250	11	.50	.194	.91	.22	11	
25.00	2.029	.3925	2.840	1.340	11	.59	.228	1.08	.26	11	
25.20	2.231	.4367	3.140	1.430	11	.72	.271	1.33	.30	11	
25.40	2.561	.4619	3.420	1.890	11	.96	.338	1.60	.53	11	
25.60	3.012	.4546	3.750	2.310	11	1.35	.378	1.94	.77	11	
25.80	3.364	.4732	4.950	2.390	11	1.72	.433	2.35	1.83	11	
26.00	3.615	.4888	4.390	2.620	11	2.01	.488	2.77	1.01	11	
26.20	3.868	.4913	4.740	3.000	11	2.34	.544	3.30	1.36	11	
26.40	4.141	.5017	5.990	3.310	11	2.74	.612	3.88	1.71	11	
26.60	4.723	.5094	5.720	3.990	11	3.74	.732	5.17	2.70	11	
26.80	6.228	.5250	6.890	5.370	11	7.44	1.065	8.81	5.69	11	
27.00	8.198	.4920	8.800	7.370	11	15.04	1.470	17.49	12.77	11	
27.10	9.306	.4906	9.900	8.470	11	20.85	1.746	23.93	18.21	11	
27.20	10.483	.5188	11.090	9.480	11	28.35	2.160	31.14	24.20	11	
27.30	11.855	.6445	12.540	11.030	11	39.03	2.246	43.13	35.69	11	
27.40	13.377	.5375	13.960	12.470	11	53.55	2.996	57.19	48.53	11	
27.50	15.085	.6179	15.830	14.190	10	74.25	5.022	79.83	65.14	10	
27.60	17.763	.2081	18.010	17.520	4	110.70	3.771	114.62	106.57	4	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	13.455	n/a	n/a	n/a	0	
23.80	12.163	n/a	n/a	n/a	1	13.441	.0686	13.489	13.392	2	
24.00	12.136	.1074	12.212	12.060	2	13.304	.2613	15.535	12.934	4	
24.20	11.879	.1906	12.101	11.669	4	13.070	.3413	13.433	12.538	9	
24.40	11.843	.5169	13.012	11.341	11	13.978	.3054	13.319	12.434	11	
24.60	11.393	.3322	11.899	10.747	11	12.884	.2991	13.198	12.333	11	
24.80	11.258	.3573	11.808	10.629	11	12.782	.2932	13.112	12.226	11	
25.00	11.103	.3570	11.668	10.519	11	12.669	.2839	13.013	12.113	11	
25.20	10.900	.3195	11.268	10.417	11	12.540	.2710	12.869	11.993	11	
25.40	10.570	.2879	10.991	10.173	11	12.383	.2559	12.672	11.869	11	
25.60	10.120	.2445	10.476	9.899	11	12.191	.2357	12.451	11.738	11	
25.80	9.766	.2120	10.154	9.543	11	11.974	.2117	12.233	11.598	11	
26.00	9.514	.2026	9.923	9.205	11	11.734	.1878	11.986	11.424	11	
26.20	9.262	.1940	9.546	8.856	11	11.469	.1663	11.710	11.216	11	
26.40	8.990	.2217	9.238	8.512	11	11.167	.1460	11.401	10.961	11	
26.60	8.408	.2095	8.512	7.874	11	10.738	.1192	10.939	10.584	11	
26.80	6.904	.1766	7.178	6.682	11	10.061	.0838	10.203	9.951	11	
27.00	4.932	.1709	5.176	4.606	11	9.606	.0646	9.719	9.513	11	
27.10	3.824	.1856	4.089	3.461	11	9.058	.0500	9.150	8.983	11	
27.20	2.648	.2031	3.083	2.410	11	8.395	.0360	8.471	8.334	11	
27.30	1.276	.1832	1.521	0.951	11	7.581	.0184	7.614	7.545	11	
27.40	-0.245	.2197	1.175	-0.508	11	6.547	.0229	6.582	6.512	10	
27.50	-2.000	.3417	-1.329	-2.355	10	5.245	.0472	5.313	5.205	4	
27.60	-4.408	.2340	-4.142	-4.673	4						

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	1505	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	1502	.7	1502	1501	2	
24.20	n/a	n/a	n/a	n/a	0	1501	2.1	1503	1499	4	
24.40	6.35	n/a	n/a	n/a	0	1498	2.1	1501	1495	9	
24.60	6.40	n/a	n/a	n/a	1	1495	2.1	1499	1492	11	
24.80	6.45	n/a	n/a	n/a	1	1492	1.8	1495	1490	11	
25.00	6.49	n/a	n/a	n/a	1	1489	1.8	1491	1487	11	
25.20	6.49	n/a	n/a	n/a	1	1486	1.5	1488	1484	11	
25.40	6.49	n/a	n/a	n/a	1	1483	1.8	1485	1480	11	
25.60	6.27	n/a	n/a	n/a	1	1480	2.2	1483	1477	11	
25.80	5.94	n/a	n/a	n/a	1	1479	2.0	1481	1476	11	
26.00	5.64	n/a	n/a	n/a	1	1478	1.4	1480	1476	11	
26.20	5.21	n/a	n/a	n/a	1	1478	.9	1480	1477	11	
26.40	4.66	n/a	n/a	n/a	1	1478	1.1	1480	1477	11	
26.60	3.99	n/a	n/a	n/a	1	1478	1.0	1479	1477	11	
26.80	2.45	n/a	n/a	n/a	1	1476	.9	1477	1474	11	
27.00	1.35	n/a	n/a	n/a	1	1475	.7	1476	1474	11	
27.10	.94	n/a	n/a	n/a	1	1475	.6	1476	1474	11	
27.20	.67	n/a	n/a	n/a	1	1476	.7	1477	1475	11	
27.30	.55	n/a	n/a	n/a	1	1478	.7	1479	1477	11	
27.40	.54	n/a	n/a	n/a	1	1479	.6	1480	1478	11	
27.50	.65	n/a	n/a	n/a	1	1482	.7	1482	1480	10	
27.60	1.12	n/a	n/a	n/a	1	1486	.5	1486	1485	4	

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TEMPERATURE						SALINITY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	32.346	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	32.343	.0753	32.396	32.290	1	
24.00	n/a	n/a	n/a	n/a	0	32.406	.0723	32.475	32.271	2	
24.20	n/a	n/a	n/a	n/a	0	32.480	.0384	32.524	32.410	3	
24.40	12.80	n/a	n/a	n/a	0	32.556	.0219	32.583	32.522	4	
24.60	11.69	.283	11.89	11.49	1	32.649	.0439	32.717	32.593	5	
24.80	10.85	.315	11.16	10.26	6	32.792	.0710	32.901	32.721	6	
25.00	10.01	.192	10.25	9.70	7	32.813	.0743	33.132	32.921	7	
25.20	9.12	.142	9.32	8.89	9	32.843	.0695	33.346	33.150	9	
25.40	8.30	.241	8.66	8.04	9	32.845	.0748	33.557	33.321	9	
25.60	7.74	.386	8.34	7.36	9	32.864	.0568	33.761	33.573	9	
25.80	7.53	.401	8.13	7.03	9	32.887	.0314	33.896	33.797	9	
26.00	7.40	.388	7.94	6.89	9	33.939	.0160	33.960	33.909	9	
26.20	7.22	.426	7.74	6.40	9	34.051	.0162	34.075	34.031	9	
26.40	7.03	.329	7.47	6.38	9	34.132	.0109	34.148	34.119	9	
26.60	6.62	.184	6.79	6.20	9	34.214	.0120	34.238	34.199	9	
26.80	5.48	.107	5.62	5.29	9	34.300	.0125	34.322	34.281	9	
27.00	4.51	.117	4.69	4.37	9	34.382	.0103	34.398	34.361	9	
27.10	4.17	.085	4.30	4.08	9	34.460	.0040	34.468	34.454	9	
27.20	3.83	.094	4.03	3.72	9	34.536	.0000	34.539	34.534	9	
27.30	3.52	.090	3.70	3.36	9						
27.40	3.25	.088	3.29	2.95	9						
27.50	2.72	.052	2.81	2.66	6						
27.60	2.24	.042	2.29	2.21	3						

DEPTH						SVA					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	354.9	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	355.3	.64	335.8	334.9	1	
24.20	n/a	n/a	n/a	n/a	0	355.7	.21	317.1	316.6	2	
24.40	48	n/a	n/a	n/a	1	356.8	.18	298.0	297.6	6	
24.60	30	.297	51	42	6	357.7	.20	279.0	278.5	6	
24.80	54	.999	70	49	6	359.8	.28	260.3	259.5	6	
25.00	59	.991	73	55	6	360.9	.28	241.4	240.5	6	
25.20	65	.999	78	58	6	362.1	.26	222.5	221.6	6	
25.40	76	14.88	103	55	6	363.2	.25	203.6	202.8	6	
25.60	90	15.69	113	62	6	364.4	.28	184.8	183.9	6	
25.80	102	15.36	120	71	6	365.7	.30	166.1	165.3	6	
26.00	114	13.1	134	92	6	367.2	.41	147.7	146.7	6	
26.20	126	13.1	148	106	6	369.1	.37	129.6	128.4	6	
26.40	145	14.6	162	128	6	371.2	.33	111.7	110.6	6	
26.60	186	24.7	214	158	6	372.2	.26	102.6	101.8	6	
26.80	293	28.9	334	242	6	373.4	.31	93.8	92.9	6	
27.00	461	27.34	493	399	6	374.6	.30	85.0	84.2	6	
27.10	560	30.3	596	492	6	375.8	.21	76.1	75.4	6	
27.20	679	30.6	721	619	6	376.9	.39	67.6	66.5	6	
27.30	829	30.88	868	778	6	378.1	1.00	59.5	57.6	3	
27.40	1012	42.92	1089	945	6						
27.50	1262	64.92	1365	1176	6						
27.60	1718	191.1	1934	1570	3						

THETA						SVA (THETA)					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	353.5	n/a	n/a	n/a	0	
24.40	12.79	n/a	n/a	n/a	1	353.9	.57	334.3	333.5	1	
24.60	11.69	.283	11.89	11.49	12	354.4	.49	315.5	314.2	6	
24.80	10.84	.313	11.16	10.26	6	355.8	.80	296.4	293.8	6	
25.00	10.00	.190	10.25	9.70	6	356.4	1.05	277.4	274.6	6	
25.20	9.11	.138	9.31	8.89	6	357.7	.78	258.5	256.1	6	
25.40	8.29	.242	8.65	8.03	6	359.3	.14	239.5	239.1	6	
25.60	7.73	.384	8.33	7.35	6	360.0	.40	220.4	219.3	6	
25.80	7.52	.398	8.12	7.02	6	361.1	.41	201.4	200.2	6	
26.00	7.38	.387	7.92	6.88	6	362.2	.21	182.4	181.0	6	
26.20	7.21	.423	7.72	6.39	6	363.3	.16	163.4	162.9	6	
26.40	7.01	.326	7.45	6.37	6	364.3	.03	144.4	144.3	6	
26.60	6.60	.183	6.77	6.18	6	365.3	.14	125.4	124.9	6	
26.80	5.45	.105	5.60	5.27	6	366.2	.12	106.4	106.0	6	
27.00	4.47	.115	4.65	4.33	6	367.7	.06	96.8	96.6	6	
27.10	4.13	.086	4.26	4.04	6	368.2	.03	87.2	87.1	6	
27.20	3.78	.094	3.98	3.67	6	369.6	.05	77.7	77.6	6	
27.30	3.46	.087	3.63	3.30	6	370.1	.09	68.1	68.1	6	
27.40	3.08	.088	3.22	2.88	6	370.4	.12	58.6	58.3	6	
27.50	2.63	.051	2.72	2.57	6	370.7	.10	48.8	48.6	6	
27.60	2.12	.025	2.15	2.10	6						

STATION MP12 NOVEMBER 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	1.760	n/a	n/a	n/a	0	.43	n/a	n/a	n/a	0	
24.60	1.090	1.1172	1.880	1.300	1	.25	.339	.49	.01	1	
24.80	1.830	.3317	2.310	1.380	1	.52	.189	.83	.29	1	
25.00	1.916	.3203	2.400	1.560	1	.58	.187	.89	.40	1	
25.20	2.106	.3329	2.540	1.690	1	.71	.214	1.000	.48	1	
25.40	2.397	.4788	2.240	1.820	1	.93	.365	1.65	.55	1	
25.60	2.756	.4556	3.490	1.990	1	1.24	.388	1.93	.62	1	
25.80	.036	.4665	3.650	2.190	1	1.52	.429	2.15	1.11	1	
26.00	3.283	.4278	3.870	2.620	1	1.79	.426	2.40	1.39	1	
26.20	5.11	.4327	4.150	2.900	1	2.07	.465	2.81	1.85	1	
26.40	3.848	.4550	4.400	3.280	1	2.54	.542	3.20	2.63	1	
26.60	4.490	.6145	5.170	3.810	1	.65	.933	4.68	4.91	1	
26.80	5.968	.6535	6.740	4.910	1	7.29	1.457	9.29	11.03	1	
27.00	7.997	.6102	8.720	6.790	1	15.11	1.897	17.42	23.65	1	
27.10	9.060	.6435	9.790	7.790	1	20.70	2.380	32.05	44.80	1	
27.20	10.230	.6615	11.140	9.030	1	28.14	3.292	42.76	52.66	1	
27.30	11.574	.6683	12.410	10.450	1	38.55	4.674	60.08	7.274	1	
27.40	13.063	.7285	13.900	11.800	1	52.66	4.674	60.08	8.92	1	
27.50	14.687	.8836	15.940	13.450	1	73.20	7.274	83.92	62.76	1	
27.60	17.913	1.6254	19.610	16.370	3	119.40	23.951	146.13	99.89	3	

DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	12.988	n/a	n/a	n/a	0	
24.40	11.290	n/a	n/a	n/a	1	12.063	.2425	13.234	12.891	1	
24.60	12.056	1.2544	12.943	11.169	1	12.859	.5058	13.400	12.074	1	
24.80	11.135	.3407	11.601	10.540	1	12.733	.4152	13.263	11.978	1	
25.00	10.974	.2423	11.327	10.422	1	12.614	.4004	13.121	11.875	1	
25.20	10.786	.2097	11.072	10.326	1	12.481	.3802	12.952	11.766	1	
25.40	10.494	.1572	10.693	10.243	1	12.325	.3522	12.743	11.652	1	
25.60	10.133	.1183	10.293	9.945	1	12.142	.3247	12.521	11.528	1	
25.80	9.854	.1388	10.096	9.668	1	11.937	.2993	12.289	11.381	1	
26.00	9.608	.1595	9.916	9.375	1	11.711	.2799	12.060	11.193	1	
26.20	9.379	.1586	9.646	9.093	1	11.459	.2586	11.797	10.976	1	
26.40	9.043	.1323	9.183	8.844	1	11.159	.2290	11.464	10.714	1	
26.60	8.401	.2277	8.753	8.073	1	10.735	.1817	10.974	10.357	1	
26.80	6.922	.2174	7.222	6.608	1	10.061	.1316	10.236	9.794	1	
27.00	4.893	.1965	5.351	4.688	1	9.606	.1051	9.742	9.399	1	
27.10	3.828	.2263	4.346	3.573	1	9.055	.0800	9.160	8.905	1	
27.20	2.659	.2293	3.109	2.334	1	8.392	.0533	8.465	8.289	1	
27.30	1.315	.2328	1.685	1.020	1	7.574	.0215	7.604	7.536	1	
27.40	-0.173	.3299	1.339	-0.780	1	6.574	.0330	6.624	6.544	1	
27.50	-1.958	1.4775	-1.308	-2.700	1	5.284	.0380	5.326	5.252	1	
27.60	-4.877	1.3274	-3.824	-6.368	1						

OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	14.98	n/a	n/a	n/a	0	
24.40	6.298	n/a	n/a	n/a	1	14.94	2.1	14.95	14.92	1	
24.60	6.26	.156	6.37	6.15	1	14.91	1.2	14.92	14.89	1	
25.00	6.32	.214	6.49	6.08	1	14.88	.9	14.89	14.87	1	
25.20	6.34	.289	6.59	6.02	1	14.85	.7	14.86	14.84	1	
25.40	6.27	.474	6.66	5.74	1	14.82	1.2	14.84	14.81	1	
25.60	5.998	.575	6.34	5.32	1	14.81	1.7	14.83	14.79	1	
25.80	5.48	.681	6.03	4.72	1	14.80	2.0	14.83	14.78	1	
26.00	4.95	.697	5.51	4.17	1	14.80	1.6	14.83	14.78	1	
26.20	4.51	.563	4.97	3.88	1	14.79	1.9	14.82	14.76	1	
26.40	4.13	.323	4.40	3.77	1	14.76	1.5	14.82	14.77	1	
26.60	3.63	.217	3.79	3.38	1	14.76	1.7	14.80	14.77	1	
26.80	2.46	.426	2.94	2.12	1	14.75	1.9	14.77	14.75	1	
27.00	1.03	.202	1.25	.85	1	14.76	1.5	14.76	14.74	1	
27.10	.78	.166	.93	.60	1	14.76	1.5	14.76	14.75	1	
27.20	.52	.114	.60	.39	1	14.76	1.7	14.77	14.75	1	
27.30	.38	.087	.43	.28	1	14.77	.5	14.78	14.77	1	
27.40	.36	.045	.40	.31	1	14.79	1.7	14.80	14.78	1	
27.50	.54	.049	.58	.51	1	14.82	.8	14.83	14.81	1	
27.60	1.07	n/a	n/a	n/a	1	14.87	3.2	14.91	14.85	1	

STATION MP12 DECEMBER 1956 to 1990

TEMPERATURE						SALINITY					
SIGMA-T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	11.03	.057	11.07	10.99	2	32.438	.0150	32.447	32.429	2	
25.00	10.02	.466	11.03	9.50	11	32.481	.0975	32.695	32.368	11	
25.20	9.21	.497	10.45	8.57	15	32.573	.0989	32.805	32.435	15	
25.40	8.36	.465	9.52	7.80	16	32.649	.0912	32.884	32.547	16	
25.60	7.49	.432	8.46	6.93	16	32.751	.0834	32.924	32.647	16	
25.80	7.00	.393	7.69	6.28	16	32.920	.0753	33.085	32.794	16	
26.00	6.89	.272	7.34	6.42	16	33.153	.0509	33.263	33.071	16	
26.20	6.79	.246	7.16	6.46	16	33.390	.0418	33.452	33.333	16	
26.40	6.68	.221	7.13	6.46	16	33.625	.0378	33.702	33.586	16	
26.60	6.49	.176	6.73	6.11	16	33.830	.0292	33.885	33.783	16	
26.80	5.24	.238	5.61	4.77	16	33.904	.0346	33.958	33.835	16	
27.00	4.36	.178	4.76	4.03	15	34.031	.0245	34.087	33.986	15	
27.10	4.07	.119	4.38	3.86	15	34.118	.0158	34.162	34.090	15	
27.20	3.79	.087	4.04	3.62	15	34.208	.0111	34.241	34.187	15	
27.30	3.50	.112	3.68	3.18	15	34.298	.0131	34.320	34.263	15	
27.40	3.13	.119	3.32	2.87	14	34.380	.0131	34.401	34.352	14	
27.50	2.71	.104	2.90	2.53	11	34.457	.0112	34.478	34.437	11	
27.60	2.15	.010	2.16	2.14	3	34.529	.0043	34.529	34.528	3	

DEPTH						SVA					
SIGMA-T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	316.7	.04	316.7	316.7	2	
24.80	51	.51	51	50	2	297.7	.22	298.1	297.5	11	
25.00	58	10.7	76	59	11	278.7	.19	279.1	278.5	15	
25.20	66	9.0	85	55	15	259.7	.19	260.1	259.5	16	
25.40	74	9.7	94	59	16	240.8	.17	241.2	240.6	16	
25.60	86	8.7	109	74	16	222.0	.20	222.4	221.6	16	
25.80	105	12.5	129	88	16	203.2	.24	203.6	202.7	16	
26.00	119	14.0	142	94	16	184.4	.27	184.9	184.0	16	
26.20	134	16.0	158	99	16	165.8	.26	166.2	165.2	16	
26.40	156	15.7	176	115	16	147.2	.27	147.6	146.7	16	
26.60	193	18.8	213	147	16	128.9	.28	129.4	128.4	16	
26.80	296	31.5	345	239	16	111.0	.22	111.4	110.6	15	
27.00	459	29.7	511	402	15	102.2	.25	102.6	101.8	15	
27.10	562	27.7	616	513	15	93.4	.23	93.7	93.1	15	
27.20	685	33.6	748	645	15	84.7	.33	85.6	84.3	15	
27.30	840	69.5	1068	793	15	75.9	.28	76.5	75.4	14	
27.40	1035	71.1	1246	971	14	66.9	.20	67.2	66.6	11	
27.50	1284	69.1	1452	1209	11	58.2	.10	58.3	58.1	3	
27.60	1742	26.8	1772	1720	3						

THETA						SVA (THETA)					
SIGMA-T	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	315.6	.08	315.6	315.6	2	
24.60	11.03	.057	11.07	10.99	2	296.0	.52	296.6	295.0	11	
24.80	10.01	.465	11.02	9.50	11	276.7	1.12	277.5	274.0	15	
25.00	9.20	.496	10.34	8.57	15	257.8	.80	258.4	256.1	16	
25.20	8.30	.463	9.51	7.79	16	239.0	.88	239.5	236.0	16	
25.40	7.48	.432	8.45	6.92	16	220.0	.97	220.4	216.7	16	
25.60	6.99	.393	7.68	6.27	16	201.1	.67	201.4	198.8	16	
25.80	6.88	.273	7.34	6.41	16	182.3	.15	182.4	181.9	16	
26.00	6.78	.248	7.15	6.44	16	163.5	.19	163.4	162.8	16	
26.20	6.67	.222	7.12	6.44	16	144.5	.07	144.5	144.2	16	
26.40	6.38	.177	6.71	6.09	16	125.5	.13	125.4	125.0	16	
26.60	5.29	.238	5.58	4.75	15	106.2	.09	106.3	106.0	15	
26.80	4.33	.176	4.72	3.99	15	96.7	.06	96.8	96.6	15	
27.00	4.02	.119	4.34	3.81	15	87.2	.04	87.2	87.1	15	
27.10	3.74	.087	3.99	3.57	15	77.6	.11	77.7	77.3	15	
27.20	3.44	.114	3.62	3.11	15	68.1	.10	68.2	67.8	14	
27.30	3.06	.122	3.25	2.78	14	58.5	.11	58.6	58.3	11	
27.40	2.62	.106	2.81	2.43	11	48.5	.12	48.6	48.4	3	
27.50	2.03	.010	2.04	2.02	3						

STATION MP12 D E C E M B E R 1956 to 1990

DELTA D						POT. ENERGY					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	1.630	.0141	1.640	1.620	22	n/a	n/a	n/a	n/a	0	
25.00	1.792	.3264	2.330	1.180	11	n/a	n/a	n/a	n/a	0	
25.20	2.011	.2683	2.580	1.650	15	n/a	n/a	n/a	n/a	0	
25.40	2.199	.2705	2.810	1.780	16	n/a	n/a	n/a	n/a	0	
25.60	2.516	.2562	2.200	2.130	16	n/a	n/a	n/a	n/a	0	
25.80	2.947	.3485	3.650	2.490	16	n/a	n/a	n/a	n/a	0	
26.00	3.256	.3652	3.880	2.600	16	n/a	n/a	n/a	n/a	0	
26.20	3.549	.4036	4.210	2.700	16	n/a	n/a	n/a	n/a	0	
26.40	3.925	.3883	4.570	2.970	16	n/a	n/a	n/a	n/a	0	
26.60	4.510	.4224	5.140	3.470	16	n/a	n/a	n/a	n/a	0	
26.80	5.928	.5897	6.970	4.970	16	n/a	n/a	n/a	n/a	0	
27.00	7.893	.5753	8.980	6.900	15	n/a	n/a	n/a	n/a	0	
27.10	8.993	.5491	10.050	8.090	15	n/a	n/a	n/a	n/a	0	
27.20	10.207	.5807	11.210	10.390	15	n/a	n/a	n/a	n/a	0	
27.30	11.603	.8505	14.020	10.780	15	n/a	n/a	n/a	n/a	0	
27.40	13.209	.8845	15.470	12.170	14	n/a	n/a	n/a	n/a	0	
27.50	15.099	.8480	16.960	14.110	11	n/a	n/a	n/a	n/a	0	
27.60	18.573	.4067	19.000	18.190	3	125.41	6.778	133.12	120.38	3	
DELTA DH						ACC. POT.					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.80	11.218	.1499	11.324	11.112	22	12.827	.1598	12.940	12.714	22	
25.00	11.072	.3880	11.898	10.439	10	12.833	.3756	13.464	12.283	10	
25.20	10.802	.2713	11.258	10.316	14	12.683	.3650	13.309	12.174	14	
25.40	10.600	.2828	11.117	10.064	15	12.549	.3424	13.139	12.050	15	
25.60	10.300	.2246	10.681	9.931	15	12.398	.3315	12.950	11.907	15	
25.80	9.880	.1498	10.188	9.652	15	12.216	.3145	12.724	11.744	15	
26.00	9.574	.1430	9.814	9.277	15	12.005	.2914	12.470	11.563	15	
26.20	9.284	.1908	9.600	8.963	15	11.767	.2671	12.209	11.354	15	
26.40	8.908	.2190	9.322	8.561	15	11.498	.2430	11.914	11.113	15	
26.60	8.332	.2016	8.821	7.978	15	11.181	.2234	11.568	10.824	15	
26.80	6.910	.2864	7.511	6.534	15	10.745	.1873	11.091	10.461	15	
27.00	4.934	.2470	5.411	4.524	15	10.071	.1352	10.357	9.891	15	
27.10	3.833	.2124	4.223	3.422	15	9.618	.1170	9.896	9.486	15	
27.20	2.621	.2418	2.928	2.116	15	9.071	.0994	9.343	8.972	15	
27.30	1.225	.5753	1.594	-6.689	15	8.401	.0547	8.541	8.341	15	
27.40	-0.356	.5904	1.145	-2.145	14	7.573	.0313	7.608	7.486	14	
27.50	-2.162	.5803	-1.587	-5.637	11	6.521	.1081	6.633	6.231	11	
27.60	-5.214	.4021	-4.943	-5.676	3	5.043	.2390	5.201	4.768	3	
OXYGEN						SOUND					
SIGMA -T.	MEAN	S.D.	MAX	MIN	N	MEAN	S.D.	MAX	MIN	N	
23.60	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
23.80	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.00	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.20	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.40	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	
24.60	n/a	n/a	n/a	n/a	0	1492	1.00	1492	1492	2	
24.80	n/a	n/a	n/a	n/a	0	1488	1.09	1492	1486	11	
25.00	n/a	n/a	n/a	n/a	0	1485	1.09	1490	1483	15	
25.20	n/a	n/a	n/a	n/a	0	1482	1.09	1487	1480	16	
25.40	n/a	n/a	n/a	n/a	0	1479	1.07	1483	1477	16	
25.60	n/a	n/a	n/a	n/a	0	1478	1.08	1481	1475	16	
25.80	n/a	n/a	n/a	n/a	0	1478	1.08	1480	1476	16	
26.00	n/a	n/a	n/a	n/a	0	1478	1.08	1480	1477	16	
26.20	n/a	n/a	n/a	n/a	0	1479	1.07	1481	1477	16	
26.40	n/a	n/a	n/a	n/a	0	1475	1.07	1477	1474	16	
26.60	n/a	n/a	n/a	n/a	0	1475	1.07	1476	1475	15	
26.80	n/a	n/a	n/a	n/a	0	1476	1.07	1477	1476	15	
27.00	n/a	n/a	n/a	n/a	0	1478	1.07	1480	1477	15	
27.10	n/a	n/a	n/a	n/a	0	1478	1.07	1480	1477	15	
27.20	n/a	n/a	n/a	n/a	0	1479	1.07	1482	1478	14	
27.30	n/a	n/a	n/a	n/a	0	1482	1.07	1484	1481	11	
27.40	n/a	n/a	n/a	n/a	0	1487	1.07	1488	1487	3	