

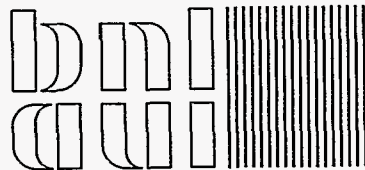
**Collaborative Research on the Northeast Water Polynya: NEWP92
Hydrographic Data Report
USCGC *Polar Sea* Cruise, July 15 - August 15, 1992**

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C. Kinder, W.O. Smith, Z. Top, and I.D. Walsh**

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Introduction

The Northeast Water Polynya (NEW) off the northeast coast of Greenland was the focus of two cruises aboard the USCGC *Polar Sea* during the summers of 1992 and 1993. The cruises were supported by the National Science Foundation Arctic Systems Science (ARCSS) program and were part of the Arctic Ocean Science Board's International Arctic Polynya Program. The *Polar Sea* cruises were designed as multidisciplinary studies to test hypotheses about the mechanisms of heat, water and carbon flow within and beyond the boundaries of the polynya. Preliminary results of the 1992 study have been described elsewhere (NEWATER, 1993). A collection of papers arising from the 1992 cruise have been published in a Special Section of the *Journal of Geophysical Research* (Overland et al., 1995).

This data report presents the hydrographic and basic chemical observations made from CTD/Rosette casts during the 1992 cruise. The station positions cruise are plotted in Figure 1. Also included in the report are selected section plots and vertical profiles. A total of 130 CTD casts were made during the cruise, measuring pressure, temperature, conductivity, dissolved oxygen, fluorescence and light transmission. Discrete samples were collected in 10-liter, rosette-mounted, Niskin bottles and analyzed, from most casts, for: salinity, dissolved nutrients, dissolved oxygen, anthropogenic halocarbons (e.g., Freon gases), pigments, particulate organic carbon and nitrogen. Suspended particulate matter was analyzed at selected stations and these data were used to calibrate the CTD-transmissometer. Samples were collected from selected stations and depths for tritium and helium analyses, carbonate chemistry, as well as for measurements of bacterial abundance.

All the data listed in this report are currently stored in a remotely-accessible database at Brookhaven National Laboratory, access to which can be arranged on request (contact: D. Wallace). In addition, the entire NEWP92 and NEWP93 dataset is to be published in CD-ROM format by the National Snow and Ice Data Center, University of Colorado, Boulder, CO. The hydrographic data will also be submitted to NOAA's National Oceanographic Data Center.

Description of Methods:

Header Data:

Ice cover refers to bridge observations made by Coast Guard personnel at or close to the time of sampling. Specifically, ice cover at any particular station has been estimated from linear interpolation of the hourly bridge observations which were initially recorded in tenths. It should be noted that the ice cover in this region was often highly variable in time, as well as in space.

CTD Data:

CTD/Rosette Sampling. CTD data were collected using a Neil Brown Instrument Systems Mark III CTD underwater unit with a model 1150 deck data terminal. The CTD was equipped with a Beckman oxygen sensor and interfaced with a SeaTech fluorometer, and a 25cm path-length SeaTech transmissometer.

All underwater instrumentation was mounted on a General Oceanics rosette multi-bottle sampler, model 1015-12. The rosette was equipped with 11 x 10-liter Niskin bottles, and a single 5-liter bottom-tripped bottle. The bottom-trip switch was triggered when a weight suspended from a lanyard one meter beneath the rosette contacted the bottom.

CTD data were collected and displayed in real-time on a PC-486 computer using Oceansoft I software from EG&G Marine Instruments.

CTD Data Processing. The raw CTD data were transferred to a MicroVAX for processing. Large spikes were removed using a gradient check and 0.1 dbar averages were calculated. For each cast, data were extrapolated to the bottom depth. Any obvious large-amplitude spikes that remained in the raw data variables (pressure, temperature, conductivity, oxygen current, oxygen temperature, fluorometer and transmissometer) were edited and replaced by interpolation. Additionally, any missing values were filled in by linear interpolation.

To reduce the spikes caused in the calculation of salinity, a three-point moving average was first performed on conductivity to create a smooth signal. A lag of .4 was then applied to conductivity to better match the conductivity sensor with the temperature sensor. After final calibrations were applied to the CTD data, derived variables (depth, potential temp, salinity, oxygen in %-saturation and $\mu\text{mole kg}^{-1}$, c_p , SPM, sigma-t, sigma-p, sigma-1000, sigma-theta, Brunt-Vaisalla frequency, integrated density, steric height and freezing point) were calculated and then averaged using a pressure-centering procedure.

CTD Data Calibration. CTD data were calibrated solely with *in situ* methods and did not employ the use of pre- or post-cruise laboratory calibrations.

1. Pressure. A pressure offset of -0.5 dbar was applied to each CTD cast in its entirety. This correction accounted for the difference between the true and actual distance measured by the CTD pressure sensor at the surface of the water.
2. Temperature. CTD temperature was calibrated based on a linear regression with two *in situ* SIS reversing thermometers. A reiterative procedure produced the following relationship:

$$\text{Corr T} = .996306 * \text{CTD T} + .002380,$$

which had a standard deviation of 0.007°C.

3. Conductivity. Final conductivity corrections were derived from a reiterative linear regression of upcast CTD conductivity and *in situ* bottle conductivity (inverted from salinity using corrected pressure and temperature). A pressure edit greater than 30 was used to eliminate bottles taken in the chlorophyll max layer. Time-series plots of water sample data minus CTD upcast conductivity differences were constructed to determine station subgroups. Three groups were identified, giving the following slope and bias terms, and their respective standard deviations:

CTD 1 - 89	Corr C =	.998553 * CTD C + .063721	Std. dev. 0.007
CTD 90 - 97	Corr C =	.953416 * CTD C + .032105	Std. dev. 0.011
CTD 98 - 130	Corr C =	.933751 * CTD C + .033966	Std. dev. 0.005

4. Oxygen. Using the corrected pressure, salinity and temperature values, CTD values of oxygen were calculated from the upcast oxygen current and oxygen temperature sensors, following the algorithm of Owens and Millard (1985). Final oxygen coefficients were derived from a reiterative linear regression of CTD upcast oxygen and *in situ* water sample oxygen, both in units of percent saturation. The same pressure edit criterion ($P > 30$) was used as stated above. Time-series plots yielded two groups, giving the following terms:

$$\text{CTD 1-100 Corr Ox\%} = .991460 * \text{CTD Ox\%} + .068328 \quad \text{Std. dev. 0.0099}$$

$$\text{CTD 101-130 Corr Ox\%} = .851967 * \text{CTD Ox\%} + .139818 \quad \text{Std. dev. 0.0097}$$

5. Transmissometer. Transmissometer data were calibrated by correlation with gravimetric analysis of suspended particulate loads. Between 1 and 10 liters of water were vacuum-filtered in-line from 10-l water bottles through pre-weighed 0.4 μm Poretics PCTE membrane filters. The filters were rinsed in a laminar flow hood ten times with distilled, deionized and 0.4 μm filtered water, then air dried in the hood. At least one filter was put through this process during each cast without exposing it to seawater to establish an average blank value for methodological corrections. On deck transmissometer voltages were monitored throughout the cruise to assure clear optical pathways. Air calibrations of the transmissometer used were made in the lab at the beginning and end of the cruise to correct for any decay of the LED beam intensity. Readings with the light path blocked and unblocked were made through the CTD electronics prior to several casts to test for any voltage losses through the CTD. Percent transmission was recorded through the CTD and converted to a total beam attenuation coefficient (c) using the equation:

$$V/5 = T = e^{-cz}, \quad (1)$$

where V is the instrument voltage output, 5 is the maximum voltage of the transmissometer output, T is percent transmission, c is the beam attenuation coefficients with units of m^{-1} , and z is the optical pathlength in meters. Thermal hysteresis was not corrected for because the thermal variability was small ($< 5^\circ\text{C}$) between the on-deck temperature and through the water column, and little or no hysteresis was apparent from comparison of up and down traces.

The beam attenuation coefficient in natural seawater is a summation of the beam attenuation coefficients for seawater (c_w), "yellow matter" (c_y), and particles (c_p) (Pak et al. 1988):

$$c = c_w + c_y + c_p. \quad (2)$$

The contribution of c_w is constant and is set at the factory to equal 0.364 m^{-1} in particle-free water for this instrument. At 660 nm, c_y is assumed constant and negligible (Bricaud et al., 1981; Gardner et al., 1993). To obtain c_p , c was calculated from the transmission values. The minimum value, c_{min} , for the cruise was subtracted from all c values to yield a pre-adjusted c_p (beam attenuation due to particles alone). Linear fits were performed between the pre-adjusted c_p values and the suspended particulate matter (SPM) concentrations obtained from the water filtered from the rosette water bottles. The data were split at a $c_p = 0.25$, essentially dividing the near surface data from the rest of the water-column. The x-intercept value from the $c_p < 25$ relationship was subtracted from the pre-adjusted c_p to obtain a c_p that was zero for a particle mass

concentration of zero. The two linear fits were then equilibrated at $c_p = 0.453$ to yield a single relationship between c_p and SPM concentration for the entire range of transmissometer data.

Bottle Data

BNL_ID: Each Niskin bottle closed during the cruise was assigned a unique identifier number that was incremented throughout the cruise; this same number was used to identify all sub-samples collected from that particular Niskin. This 'BNL_ID' number was subsequently used to merge data arising from various analytical procedures into a single database.

Dissolved Oxygen: Sub-samples for Winkler titrations were drawn into ~125 ml flasks immediately after the rosette was brought on deck and samples had been withdrawn for chlorofluorocarbon analyses. These samples were analyzed following the methodology described by Carpenter (1965). Subtle changes to methodology and calibration as described by Culberson (1991) were implemented, so that the oxygen data meet the precision and accuracy guidelines of the World Ocean Circulation Experiment (WOCE, 1991): namely accuracy < 1% and precision ~0.1%.

Dissolved Nutrients: Sub-samples of ~60 ml were drawn from the Niskin bottles within 10-20 minutes of the cast being complete. Phosphate, silicate, nitrate, nitrite and ammonium were measured as soon as possible after sample collection (usually within a few hours) using a Technicon Autoanalyzer II, following standard colorimetric methods. The methods used have been described in Whitedge et al. (1981) with the exception of the phosphate determination which used the hydrazine reductant method described in Gordon et al. (1992). Standards were analyzed with each batch of samples in order to compensate for instrument response drift. Standards were prepared in both distilled, deionized water and low-nutrient surface seawater to determine the salt-effect on colorimeter response. The wash water was distilled, deionized water.

Total Dissolved Inorganic Carbon and Total Alkalinity: Samples were collected in 500 ml ground-glass stoppered bottles, to which 200 μ l of 50%-saturated $HgCl_2$ was added. A headspace was introduced to allow for expansion, and the bottle was then tightly stoppered. The stopper was coated with Apiezon grease, and held firmly in place with elastic-bands. Samples were kept cool (~5°C) following collection and prior to analysis. Subsequently they were analyzed in the laboratory at Brookhaven National Laboratory for total dissolved inorganic carbon by coulometric titration (using a SOMMA system: Johnson and Wallace, 1992; Johnson et al., 1993). Small corrections were applied to account for the loss of CO_2 gas to the headspace, and for the dilution of the sample due to addition of $HgCl_2$. Total alkalinity analyses were performed subsequently on the same samples at the Woods Hole Oceanographic Institution (Dr. Catherine Goyet's laboratory) using potentiometric titration in a closed, glass cell.

Pigments: Subsamples (~280 ml) were filtered through Gelman GF/F glass fiber filters (~0.7 μ m nominal pore size). The filters were sonicated (on ice, in darkness) for 10 minutes in glass 15 ml centrifuge tubes together with 10 ml of 90% acetone. The samples were extracted in the dark for an additional 15 minutes and read using a Turner Designs Model 10 fluorometer before and after acidification (Smith and Nelson, 1990). The fluorometer was calibrated at the beginning and end

of the cruise using a commercially prepared chlorophyll standard.

Particulate Organic Carbon and Nitrogen: POC and PON were quantified by filtering samples onto precombusted (450°C for 2 hours) GF/F Whatman glass fiber filters, placing them in combusted glass vials, drying the filters at 60°C, and analyzing them on a Carlo-Erba model EA1108 elemental analyzer after high-temperature pyrolysis.

Tritium and Helium: For tritium analysis, 1-liter water samples were drawn from the Niskins into glass bottles, which had been previously filled with argon gas. These bottles were capped with a minimum of head-space and transferred to the laboratory. In the laboratory the samples were transferred to 1-liter Corning 1724 glass flasks in a vacuum line, degassed, sealed, and placed in a storage freezer at -20°C. After about 8 months, accumulated ³He in the flask was measured in a MAP215-50 mass-spectrometer and the tritium concentration was calculated using calibrated air aliquots as standards, and appropriate correction factors. In addition, a set of NBS standards prepared to have 1 - 2 TU were measured as a check on accuracy. The reproducibility of the NBS standards and duplicate samples was 0.007 TU. Analytical precision was ~2.5% of the measurement or ~0.007 TU, whichever was greater (1 TU = 1 ³H / 10¹⁸H). Measurements were decay-corrected to the time of sampling.

For helium analysis, 50 g water samples were sealed in refrigeration-grade copper tubes by clamping, and transferred to the laboratory. In the laboratory, water samples were processed in a vacuum line to seal the helium-neon fraction of the dissolved gas into Corning 1724 glass ampoules. These were then re-processed in the mass-spectrometer inlet line to separate helium from neon, and the helium fraction was admitted into the MAP 215-50 mass-spectrometer. ³He and ⁴He beams were measured separately, and calibrated with standard air aliquots. The ³He ratio anomaly was expressed as :

$$\delta^3\text{He} = \left[\frac{(\text{}^3\text{He}/\text{}^4\text{He})_{sx}}{(\text{}^3\text{He}/\text{}^4\text{He})_{std}} - 1 \right] \times 100$$

where sx and std refer to the sample and the atmospheric standard, respectively. ⁴He measurements were converted to concentrations by peak height comparison, and were expressed in units of nanomoles per kg (seawater). The precision in $\delta^3\text{He}$ is $\pm 0.2\%$; in ⁴He concentration, it was $\pm 1.0\%$.

Bacterial Abundance. Water samples were collected aseptically directly from the Niskin bottles immediately after arrival of the CTD on deck. Volumes of 10 ml were fixed in 0.2- μm filtered 2% formaldehyde and stored at 4°C in the dark until processed for counting. We used a dual staining procedure, reported by Deming et al. (1995), to enumerate bacteria. Samples were stained with acridine orange (AO), according to Hobbie et al. (1977), and gently filtered onto a 0.2- μm black Nucleopore filter, followed by DAPI stain (0.001%) according to Porter and Feig (1980). The slide preparations were viewed using a Zeiss epifluorescence microscope. Individual bacteria in 20 randomly selected fields (a minimum of 200 bacteria per slide) were counted routinely using standard optical filters for AO; switching to optical filters for DAPI allowed confirmation that AO-fluorescing

particles were microorganisms.

Units: All concentration data are reported in units of per kg (seawater), with the exception of bacterial abundance which is in units of cells per ml.

Acknowledgments

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Nutrient analyses were performed by Dennis Guffey (Texas A&M University) and Robert Ramirez (BNL). Oxygen analyses and other chemical sampling were performed by Craig Neill (BNL). Anne Close (Bermuda Biological Laboratory) and Shelly Carpenter (Univ. Washington) assisted with the chemical sample collection. Rick Wilke (BNL) assisted with the final nutrient data processing. Tish Yager (Univ. Washington) performed all of the inorganic carbon and alkalinity measurements. Ken Johnson provided guidance and assistance with the TCO₂ measurements. Catherine Goyet (Woods Hole Oceanographic Institution) very kindly allowed us to make the alkalinity measurements in her laboratory. Jan Gaylord and Shelly Carpenter (Univ. Washington) performed the enumeration of bacteria. Carin Ashjian and Peter Minnett (BNL) extracted the appropriate bridge ice-observations for the CTD casts. CTD operations were assisted by Dave Voegel (TAMU) and John Smithhauser (U. Alaska). Figures and final report preparation assistance from Yan Shi (BNL) is appreciated.

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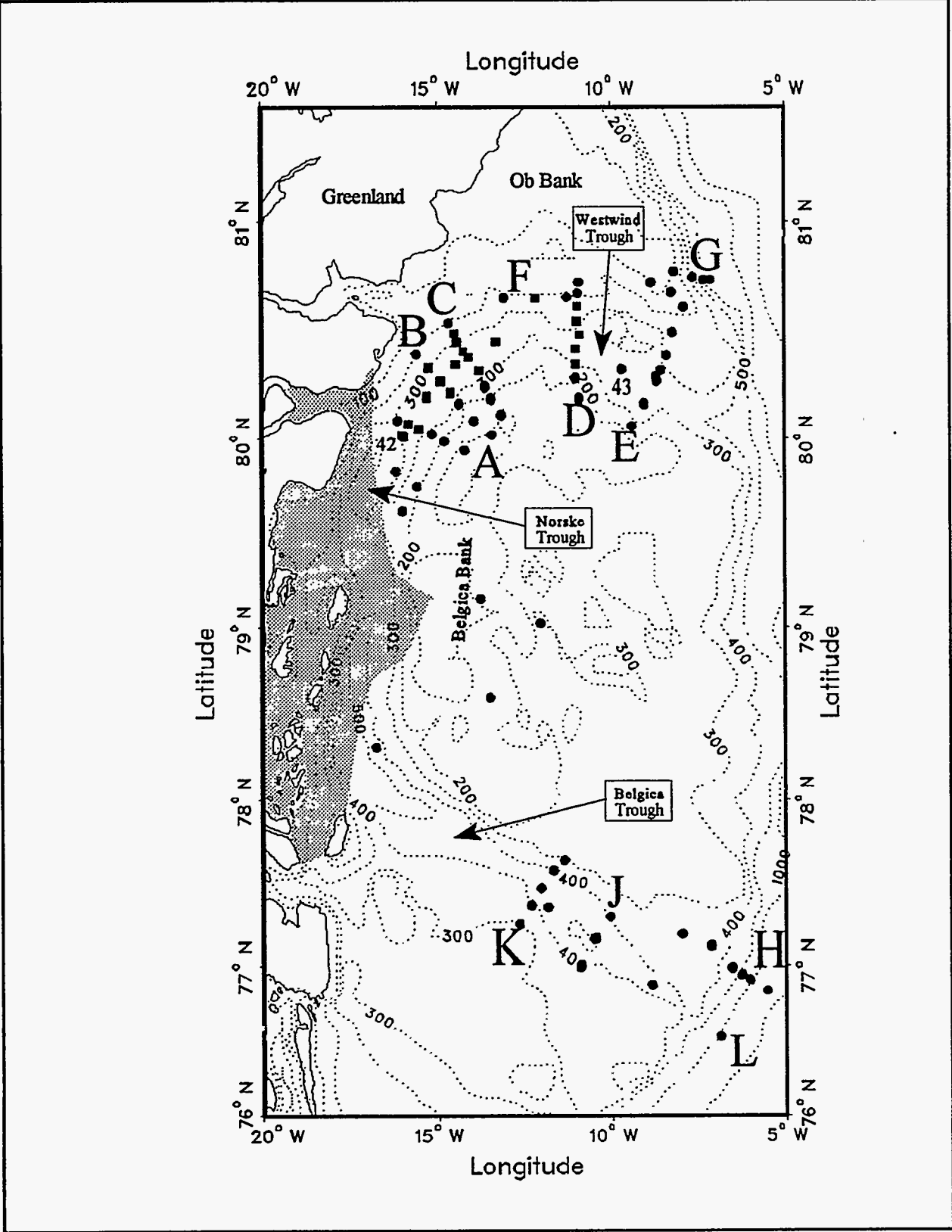
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NEWP92 STATION LIST

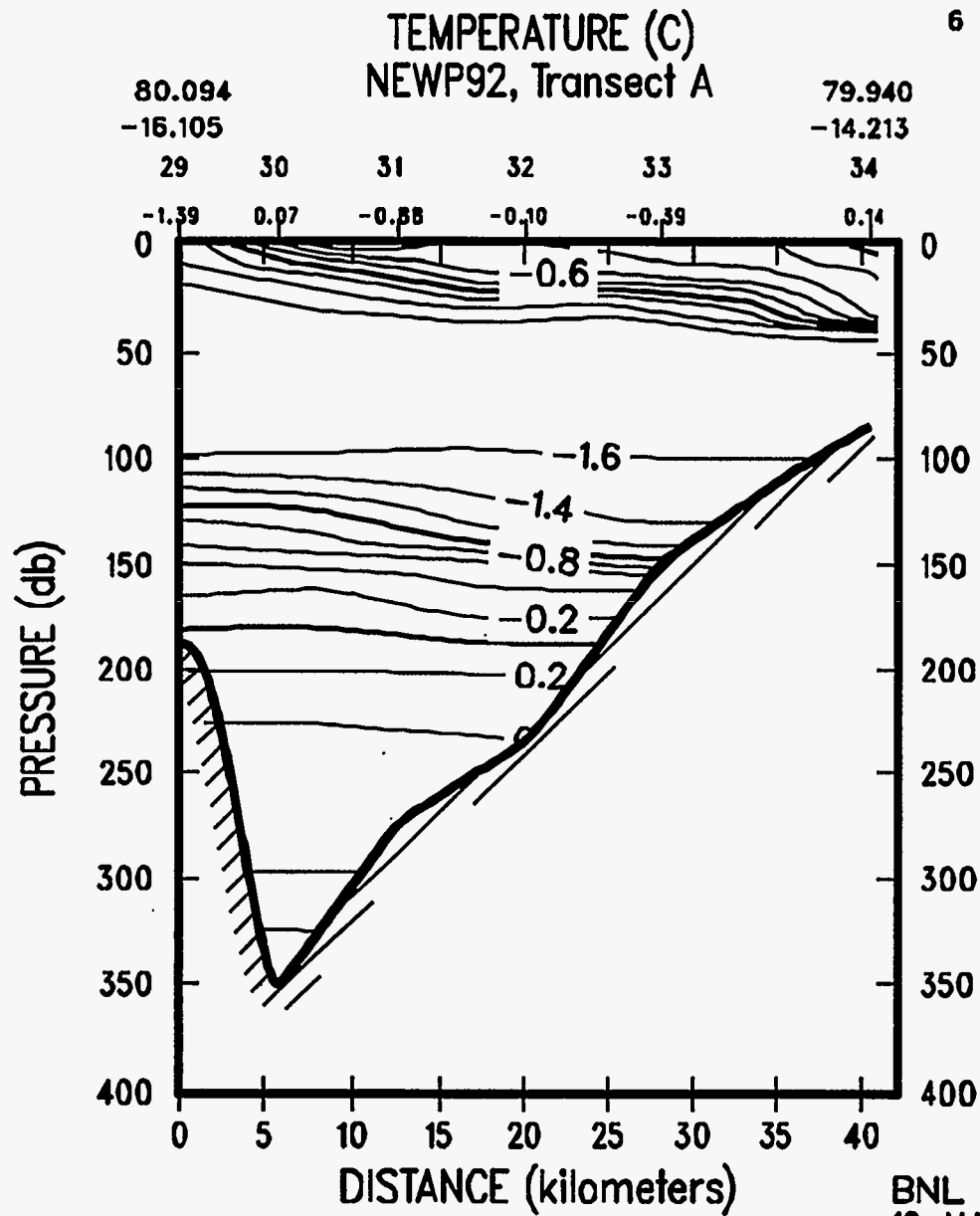
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2	4	4	7/19/92	01:49	77.160	-10.447	476
2	5	5	7/19/92	03:01	77.160	-10.406	472
2	6	6	7/19/92	11:21	77.150	-10.449	487
3	7	7	7/20/92	12:43	78.606	-13.487	142
3	8	8	7/20/92	14:17	78.609	-13.508	139
3	9	9	7/20/92	15:28	78.616	-13.528	137
3	10	10	7/20/92	19:49	78.645	-13.494	168
4	11	11	7/21/92	13:55	80.398	-14.243	337
4	12	12	7/21/92	15:11	80.410	-14.208	333
4	13	13	7/21/92	16:29	80.421	-14.156	330
5	14	14	7/22/92	13:12	80.652	-11.269	238
6	15	15	7/22/92	15:51	80.649	-12.169	260
7	16	16	7/22/92	19:57	80.648	-13.082	222
8	17	17	7/24/92	02:29	80.532	-14.661	208
9	18	18	7/24/92	05:22	80.483	-14.488	324
10	19	19	7/24/92	07:03	80.440	-14.422	301
11	20	20	7/24/92	08:16	80.369	-14.088	314
12	21	21	7/24/92	10:33	80.307	-13.797	286
13	22	22	7/24/92	12:22	80.238	-13.617	175
14	23	23	7/24/92	13:39	80.188	-13.454	185
15	24	24	7/24/92	16:01	80.119	-13.159	75
16	25	25	7/25/92	08:33	80.275	-11.029	199
17	26	26	7/25/92	11:13	80.189	-10.923	121
18	27	27	7/25/92	13:44	80.338	-11.026	253
19	28	28	7/25/92	15:31	80.409	-11.031	315
20	29	29	7/25/92	17:43	80.477	-10.897	290
21	30	30	7/25/92	19:44	80.539	-10.981	257
22	31	31	7/25/92	21:16	80.609	-10.975	267
23	32	32	7/25/92	22:17	80.671	-10.956	181
24	33	33	7/25/92	23:41	80.722	-10.938	111
25	34	34	7/26/92	08:37	80.443	-13.332	288
25	35	35	7/26/92	14:12	80.450	-13.349	306
25	36	36	7/26/92	20:58	80.455	-13.401	305
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25	38	38	7/27/92	03:51	80.458	-13.302	301
25	39	39	7/27/92	04:43	80.464	-13.272	302
25	40	40	7/27/92	09:07	80.468	-13.433	306
25	41	41	7/27/92	15:07	80.457	-13.363	302
25	42	42	7/27/92	22:20	80.452	-13.384	306
25	43	43	7/28/92	03:45	80.445	-13.355	293

26	44	44	7/28/92	12:15	80.337	-14.466	344
27	45	45	7/28/92	13:50	80.196	-15.283	271
28	46	46	7/28/92	16:49	80.014	-15.944	418
29	47	47	7/28/92	22:16	80.093	-16.105	187
30	48	48	7/29/92	00:20	80.077	-15.811	350
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34	53	53	7/29/92	13:34	79.939	-14.213	85
35	54	54	7/29/92	17:10	80.020	-13.426	83
36	55	55	7/29/92	21:26	80.092	-13.940	154
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38	57	57	7/30/92	00:51	80.214	-14.612	332
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43	67	67	7/31/92	15:42	80.311	-9.549	308
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43	73	73	8/01/92	15:26	80.319	-9.686	315
43	74	74	8/01/92	20:53	80.297	-9.426	314
43	75	75	8/01/92	21:57	80.284	-9.441	310
43	76	76	8/02/92	03:27	80.321	-9.696	316
44	77	77	8/02/92	16:21	80.744	-7.643	175
45	78	78	8/02/92	18:46	80.731	-7.326	276
46	79	79	8/02/92	22:12	80.733	-7.154	356
47	80	80	8/03/92	10:29	80.675	-8.245	69
48	81	81	8/04/92	13:42	80.720	-8.819	58
48	82	82	8/04/92	15:34	80.783	-8.825	61
49	83	83	8/05/92	10:08	80.770	-8.181	76
49	84	84	8/05/92	11:19	80.742	-8.238	75
50	85	85	8/06/92	07:56	80.606	-7.911	101
51	86	86	8/06/92	10:59	80.487	-8.219	249
52	87	87	8/06/92	12:59	80.378	-8.394	255
53	88	88	8/06/92	15:14	80.282	-8.696	292
54	89	89	8/06/92	16:50	80.167	-9.032	306
55	90	90	8/06/92	19:35	80.066	-9.377	118
55	91	91	8/06/92	20:53	80.064	-9.330	141
56	92	92	8/07/92	03:51	80.264	-8.667	288

57	93	93	8/07/92	08:49	80.309	-8.555	283
58	94	94	8/07/92	23:08	80.444	-13.316	285
58	95	95	8/08/92	00:45	80.448	-13.266	292
59	96	96	8/08/92	08:05	80.012	-15.930	425
60	97	97	8/08/92	10:33	79.833	-16.164	236
61	98	98	8/08/92	12:07	79.757	-15.574	211
62	99	99	8/08/92	15:58	79.628	-15.977	200
62	100	100	8/08/92	17:15	79.629	-15.969	196
63	101	101	8/09/92	02:41	79.157	-13.769	126
63	102	102	8/09/92	04:18	79.154	-13.807	123
64	103	103	8/09/92	12:38	79.022	-12.050	216
64	104	104	8/09/92	14:05	79.020	-12.026	219
64	105	105	8/09/92	18:16	79.008	-11.975	220
65	106	106	8/10/92	08:46	78.314	-16.743	525
65	107	107	8/10/92	11:24	78.312	-16.768	512
65	108	108	8/10/92	13:04	78.315	-16.783	515
66	109	109	8/11/92	06:44	77.635	-11.374	271
67	110	110	8/11/92	08:45	77.572	-11.688	440
68	111	111	8/11/92	10:56	77.460	-12.044	490
69	112	112	8/11/92	13:52	77.351	-12.326	321
70	113	113	8/11/92	17:05	77.235	-12.669	261
71	114	114	8/11/92	21:49	77.341	-11.854	414
72	115	115	8/12/92	01:04	77.149	-10.527	486
72	116	116	8/12/92	05:12	77.137	-10.547	490
72	117	117	8/12/92	07:04	77.153	-10.504	490
72	120	120	8/13/92	09:17	77.163	-10.535	478
72	121	121	8/13/92	11:08	77.161	-10.551	485
73	118	118	8/12/92	18:39	77.282	-10.051	350
74	119	119	8/13/92	05:41	77.001	-10.910	385
75	122	122	8/13/92	18:30	76.888	-8.848	363
75	123	123	8/13/92	20:24	76.888	-8.851	363
76	124	124	8/14/92	03:22	77.177	-7.995	287
77	125	125	8/14/92	06:45	77.109	-7.170	266
78	126	126	8/14/92	09:06	76.988	-6.576	273
79	127	127	8/14/92	10:45	76.948	-6.291	697
80	128	128	8/14/92	12:41	76.919	-6.065	1007
81	129	129	8/14/92	15:04	76.850	-5.562	1480
81	130	130	8/14/92	16:50	76.834	-5.561	1490



lnewp92.a
6 (H) X 50 (V)



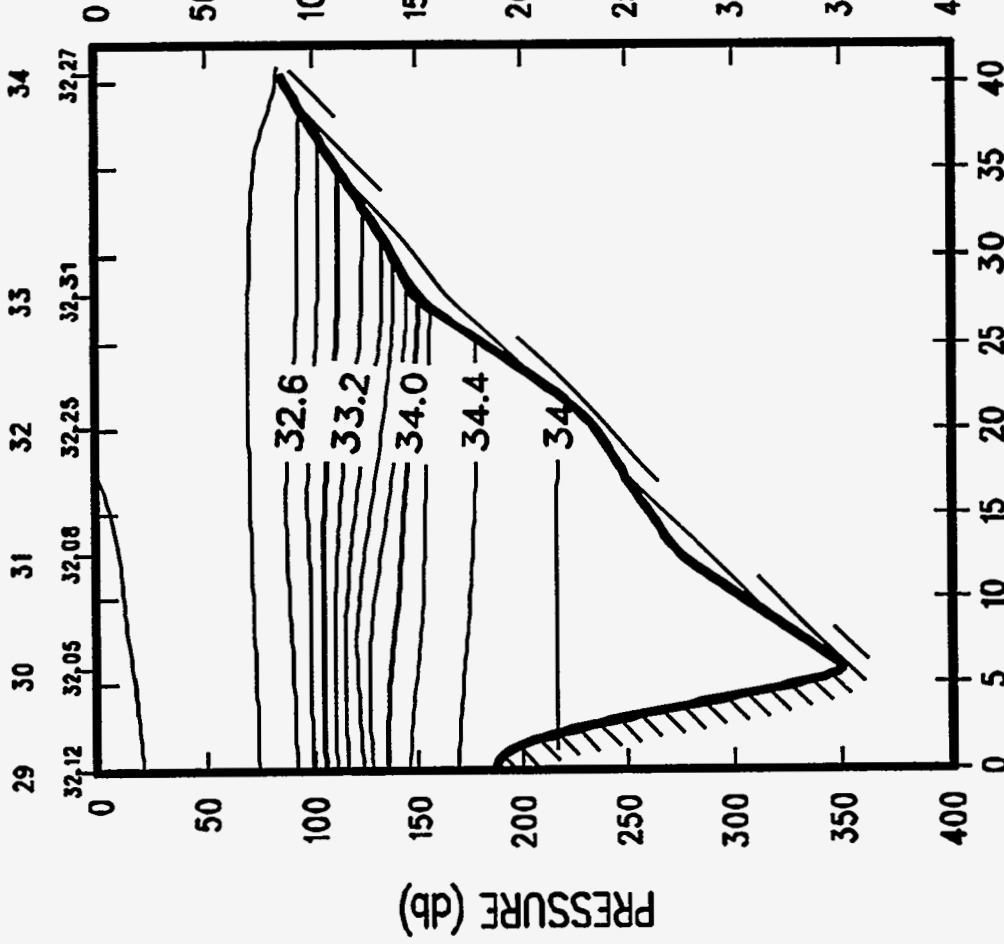
BNL
18-MAY-95 09:52:16

tnewp92.a
6 (H) X 50 (V)

SALINITY (PS78) NEWP92, Transect A

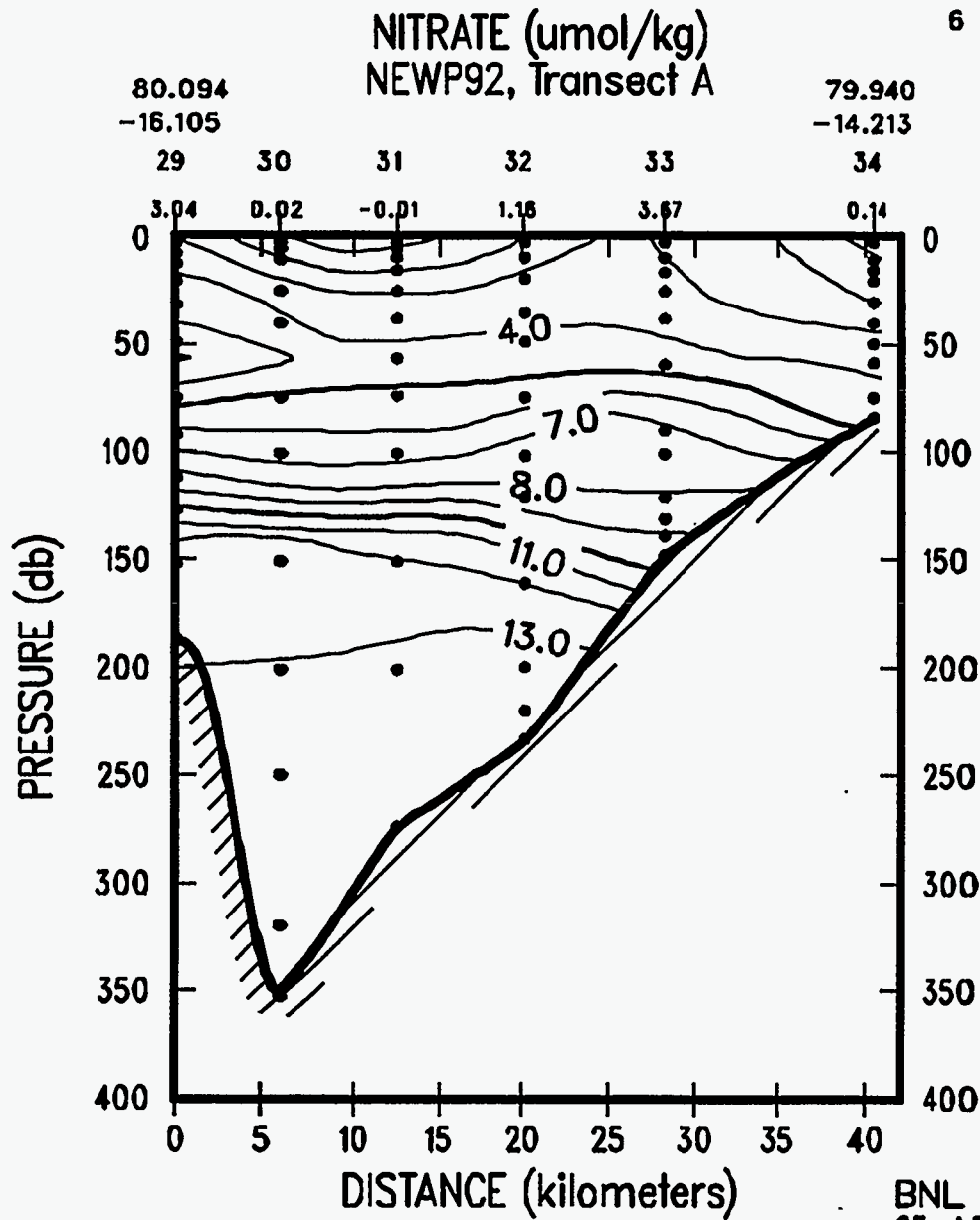
79.940
-14.213

80.094
-16.105



BNL
18-MAY-95 10:04:24

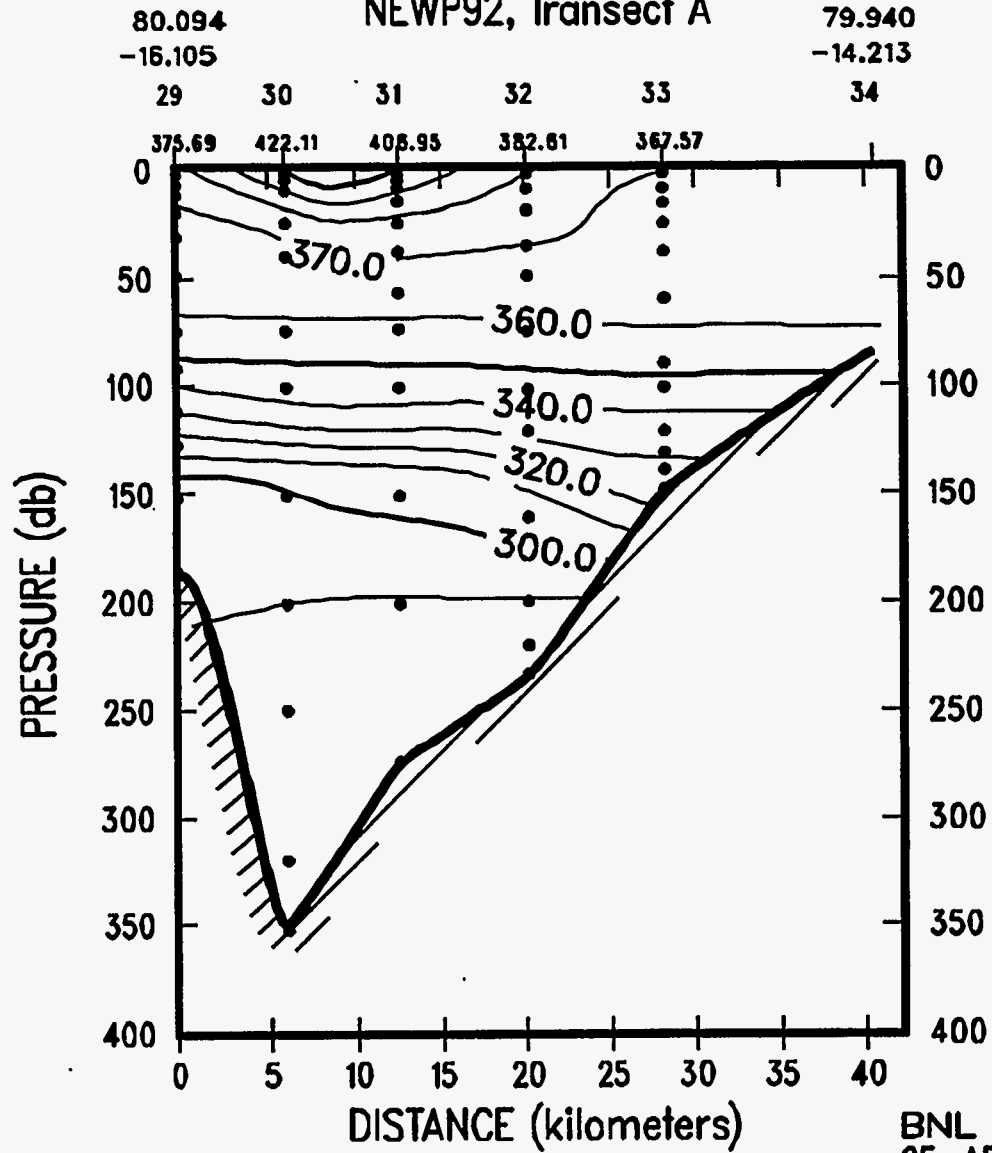
inewp92.a
6 (H) X 15 (V)



BNL
25-APR-95 14:48:19

inewp92.a
6 (H) X 15 (V)

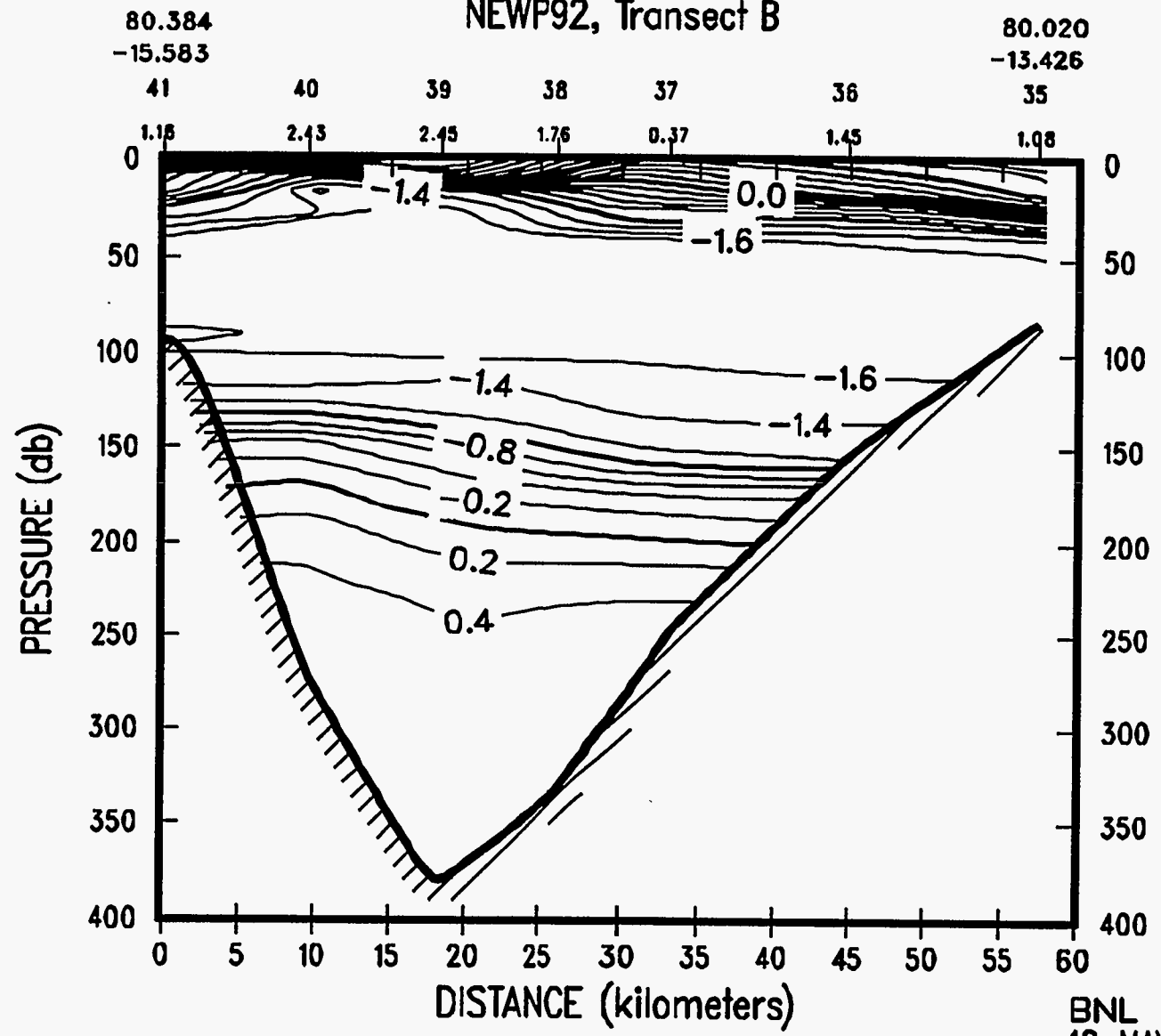
BOTTLE OXYGEN ($\mu\text{mol/kg}$) NEWP92, Transect A



BNL
25-APR-95 15:15:54

tnewp92.b
7 (H) X 50 (V)

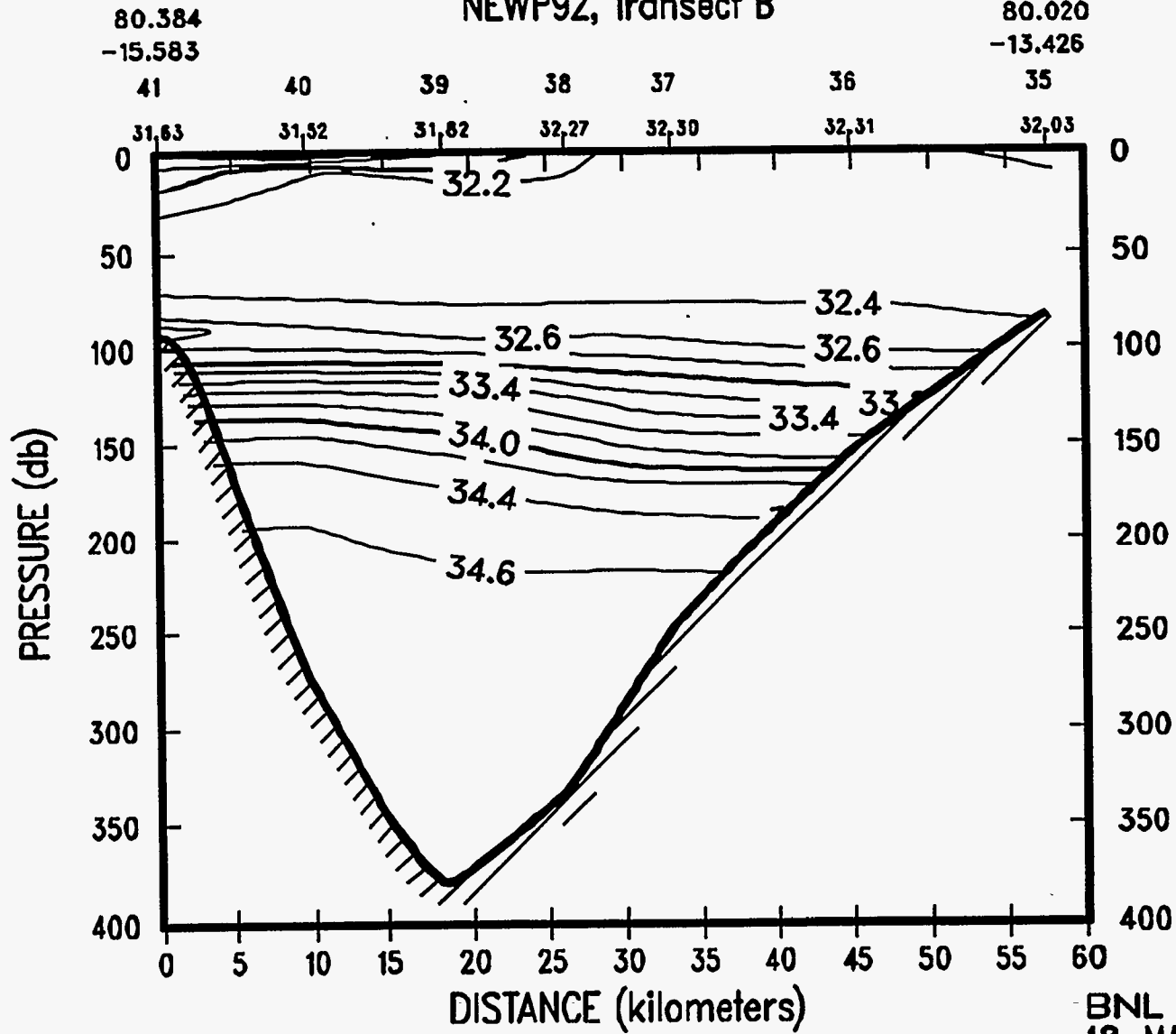
TEMPERATURE (C) NEWP92, Transect B



BNL
18-MAY-95 10:23:58

tnewp92.b
7 (H) X 50 (V)

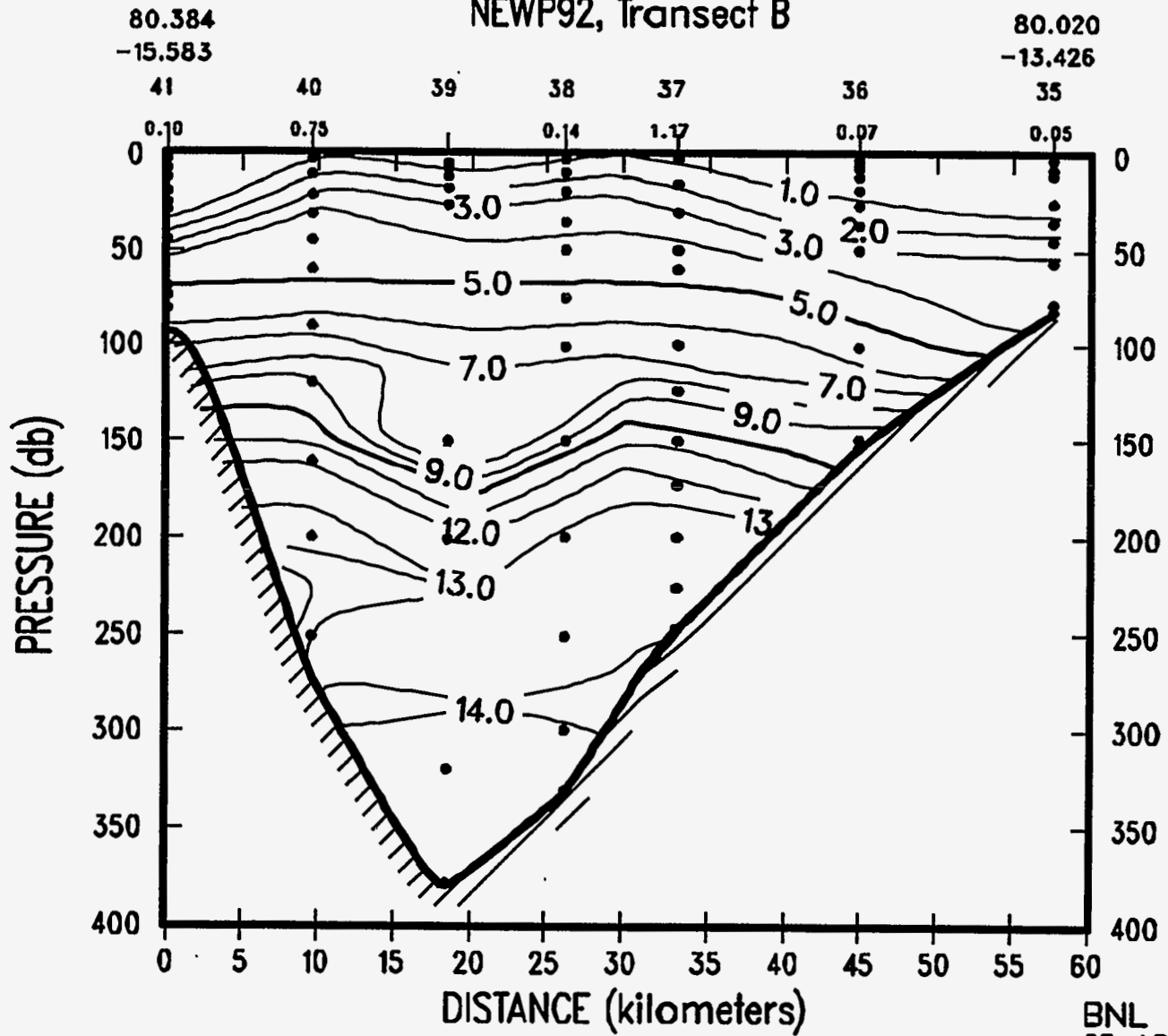
SALINITY (PS78) NEWP92, Transect B



BNL
18-MAY-95 10:36:59

out.dat
7 (H) X 15 (V)

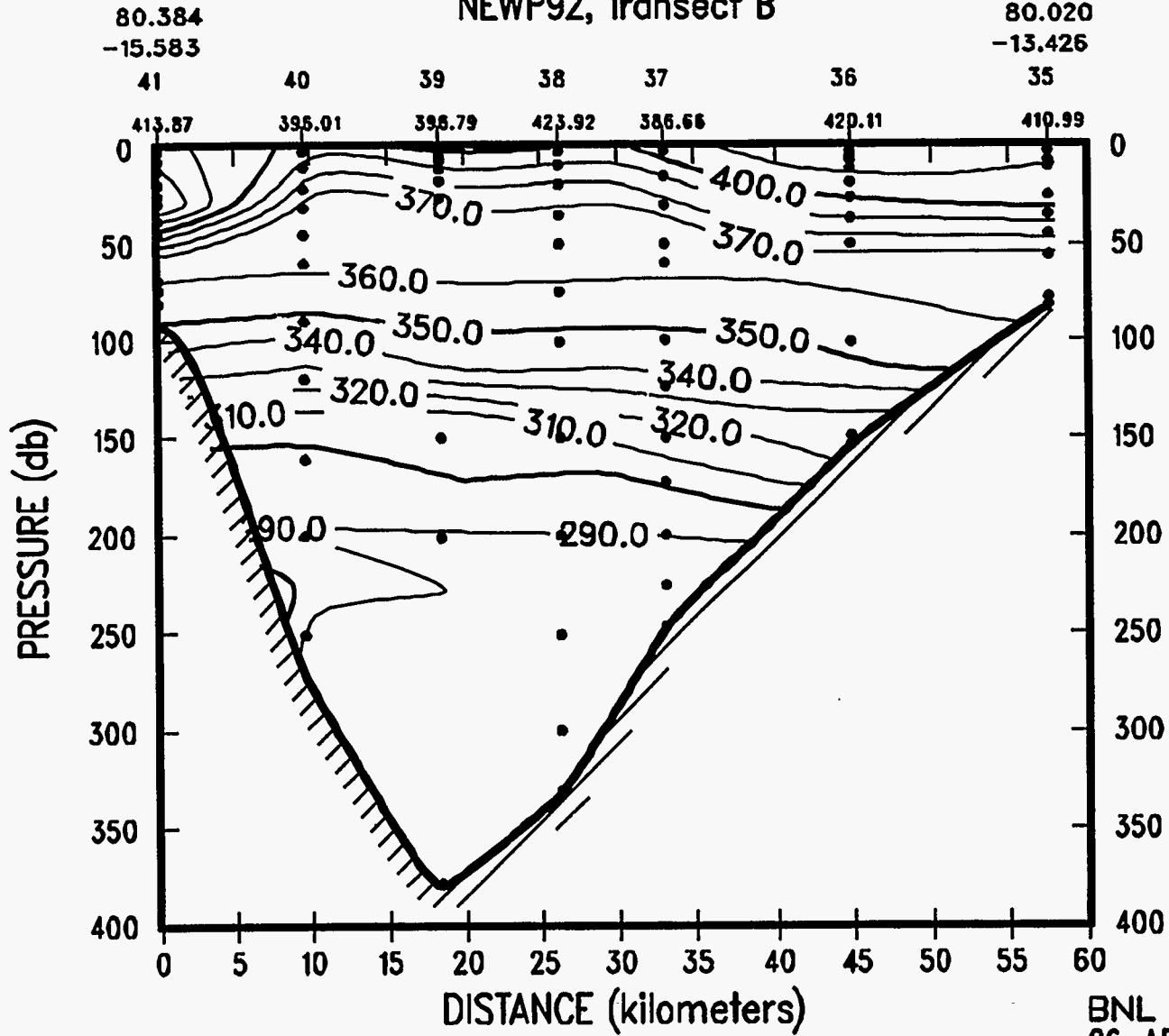
NITRATE (umol/kg) NEWP92, Transect B



BNL
25-APR-95 17:03:03

out.dat
7 (H) X 15 (V)

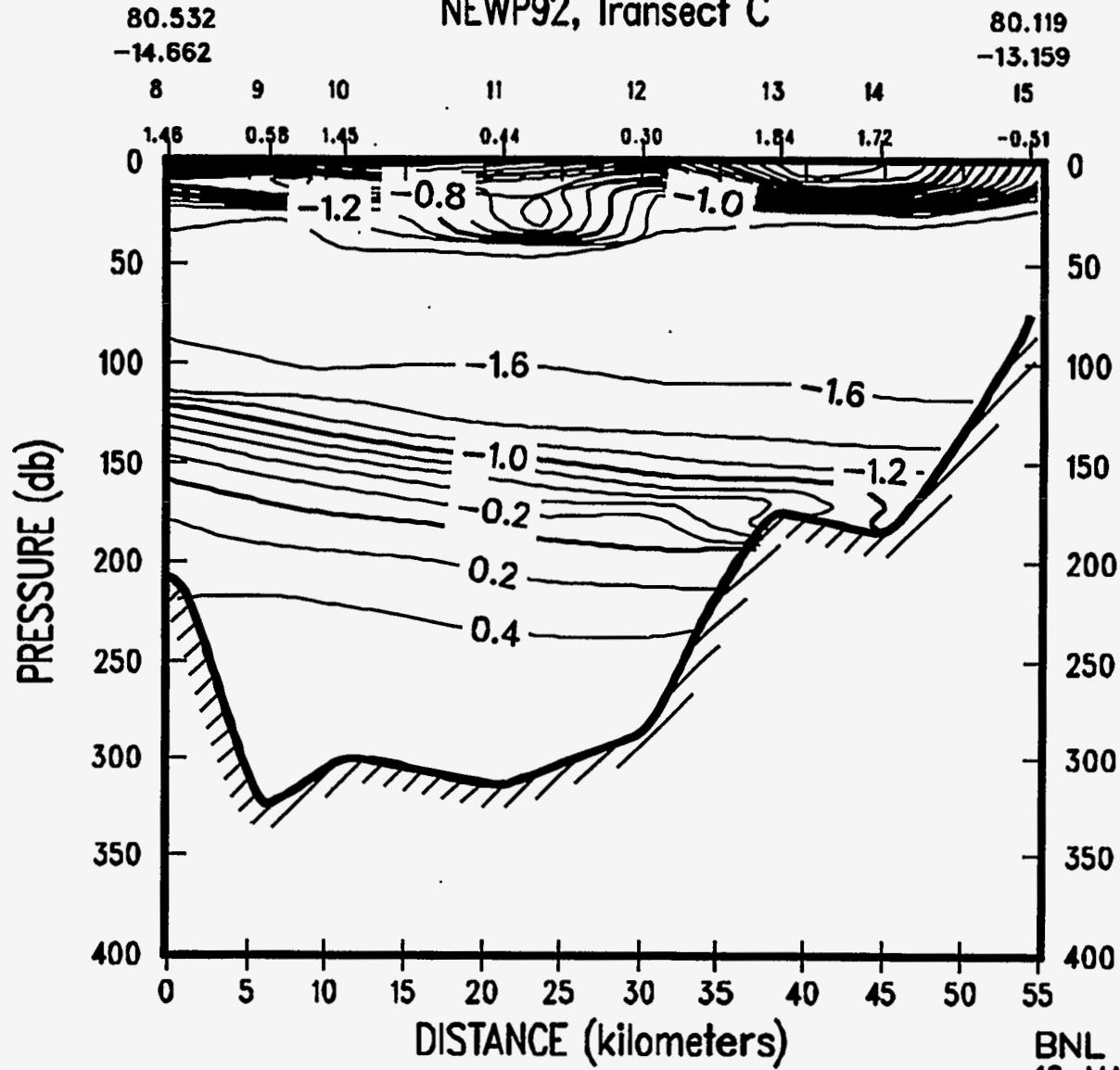
BOTTLE OXYGEN (umol/kg) NEWP92, Transect B



BNL
26-APR-95 09:11:13

inewp92.c
8 (H) X 50 (V)

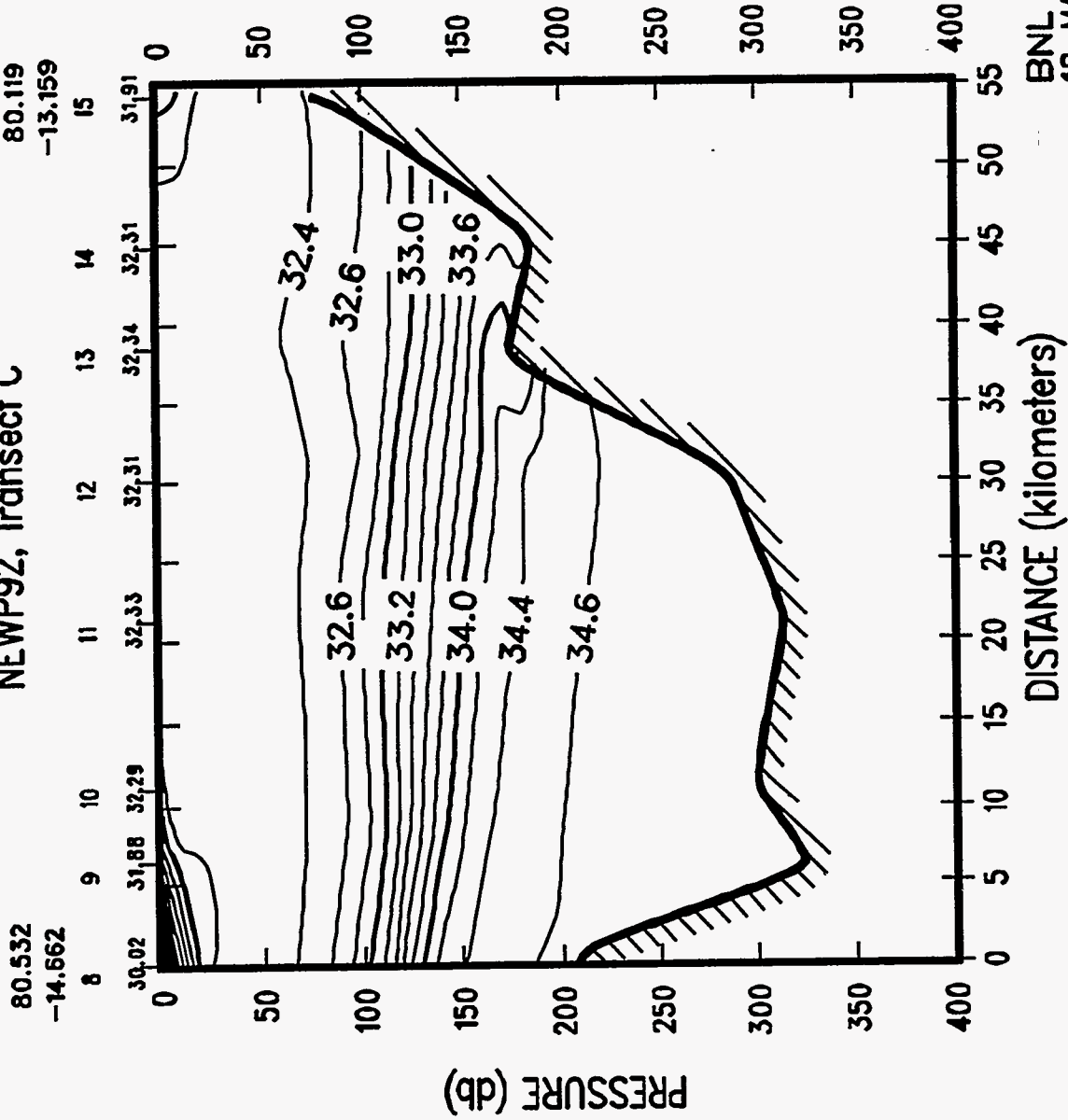
TEMPERATURE (C) NEWP92, Transect C



BNL
18-MAY-95 10:42:38

tnewp92.c
8 (H) X 50 (V)

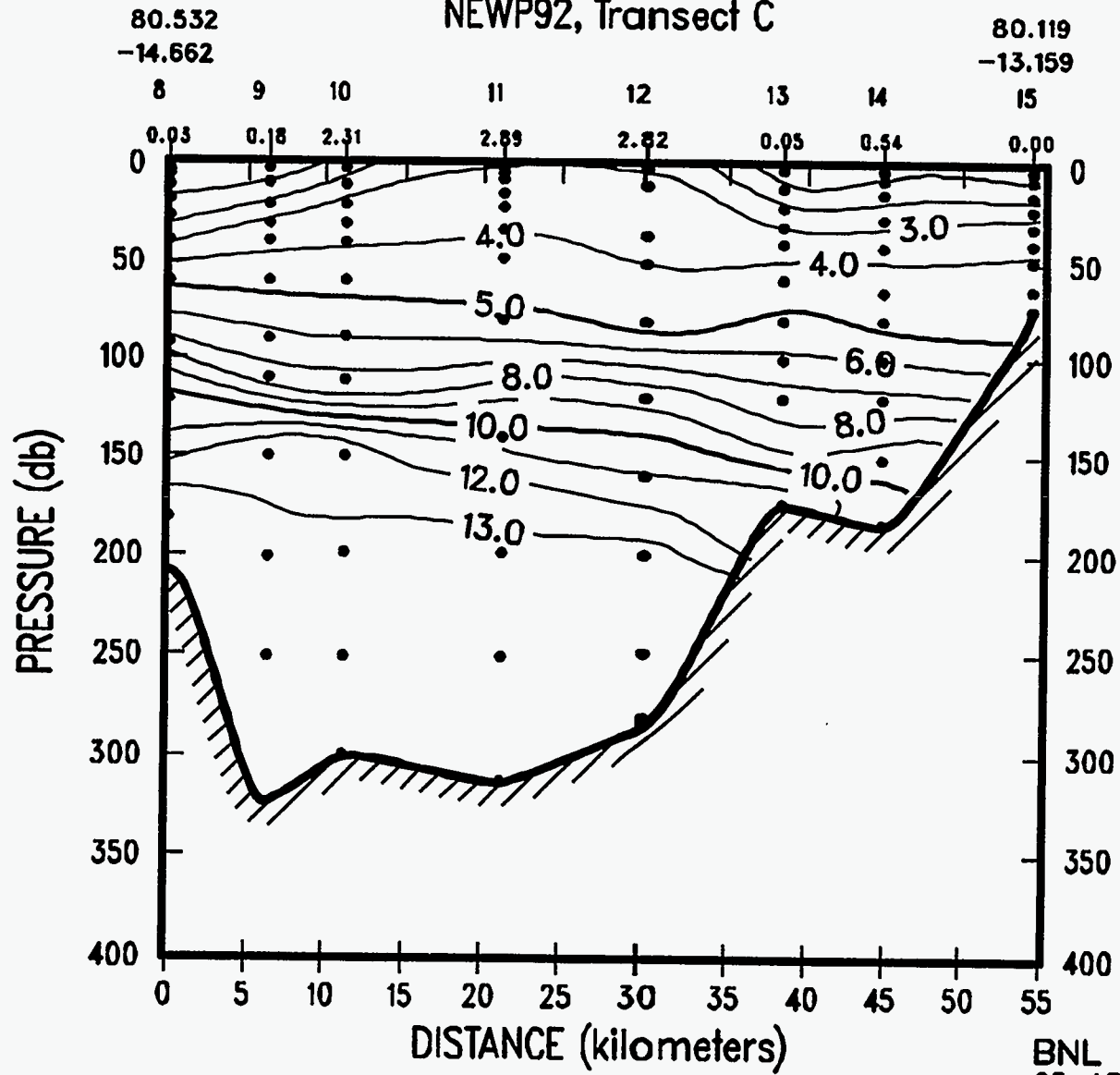
SALINITY (PS78) NEWP92, Transect C



BNL
18-MAY-95 10:46:25

tnewp92.c
B (H) X 15 (V)

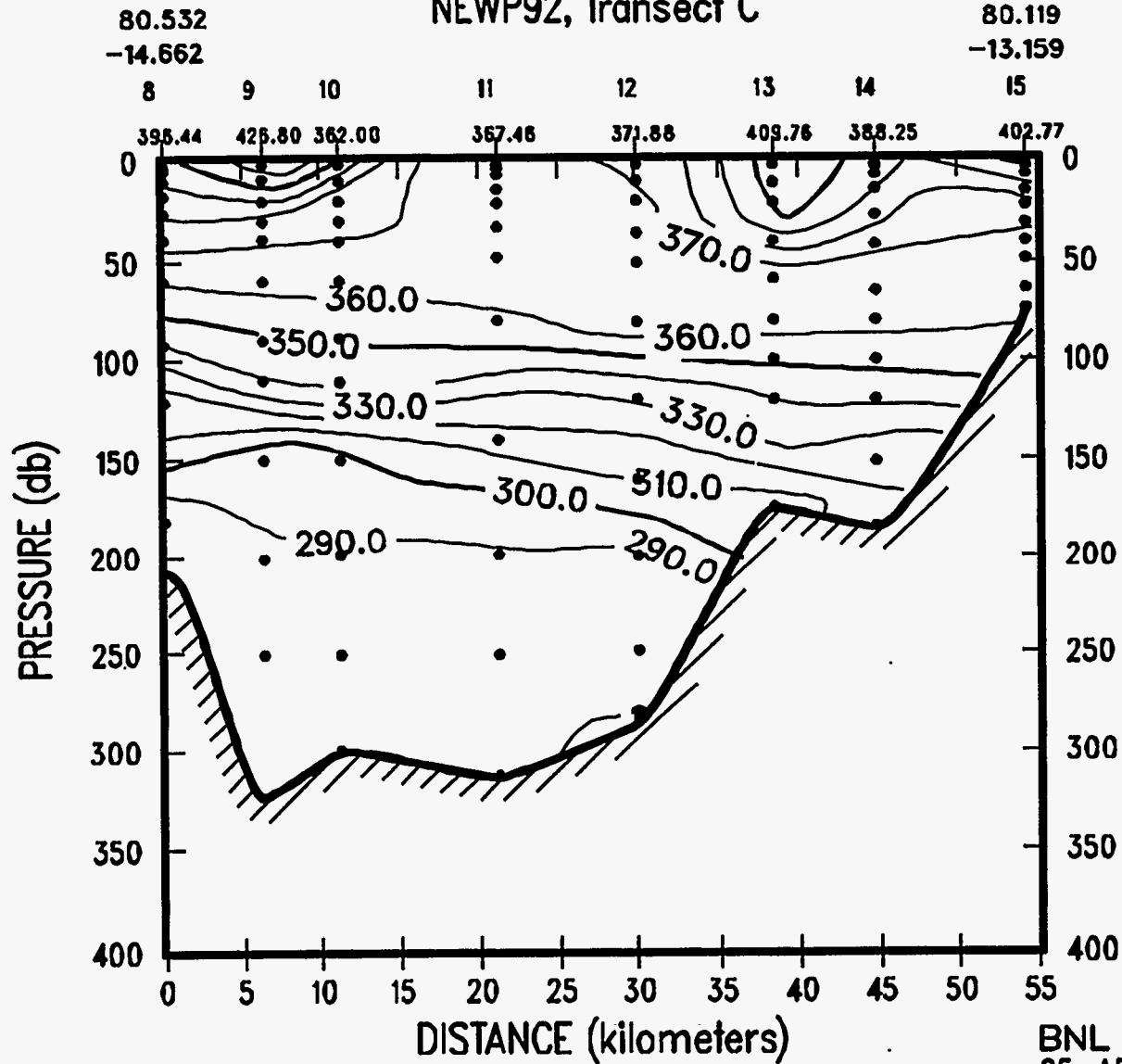
NITRATE (umol/kg) NEWP92, Transect C



BNL
25-APR-95 16:19:42

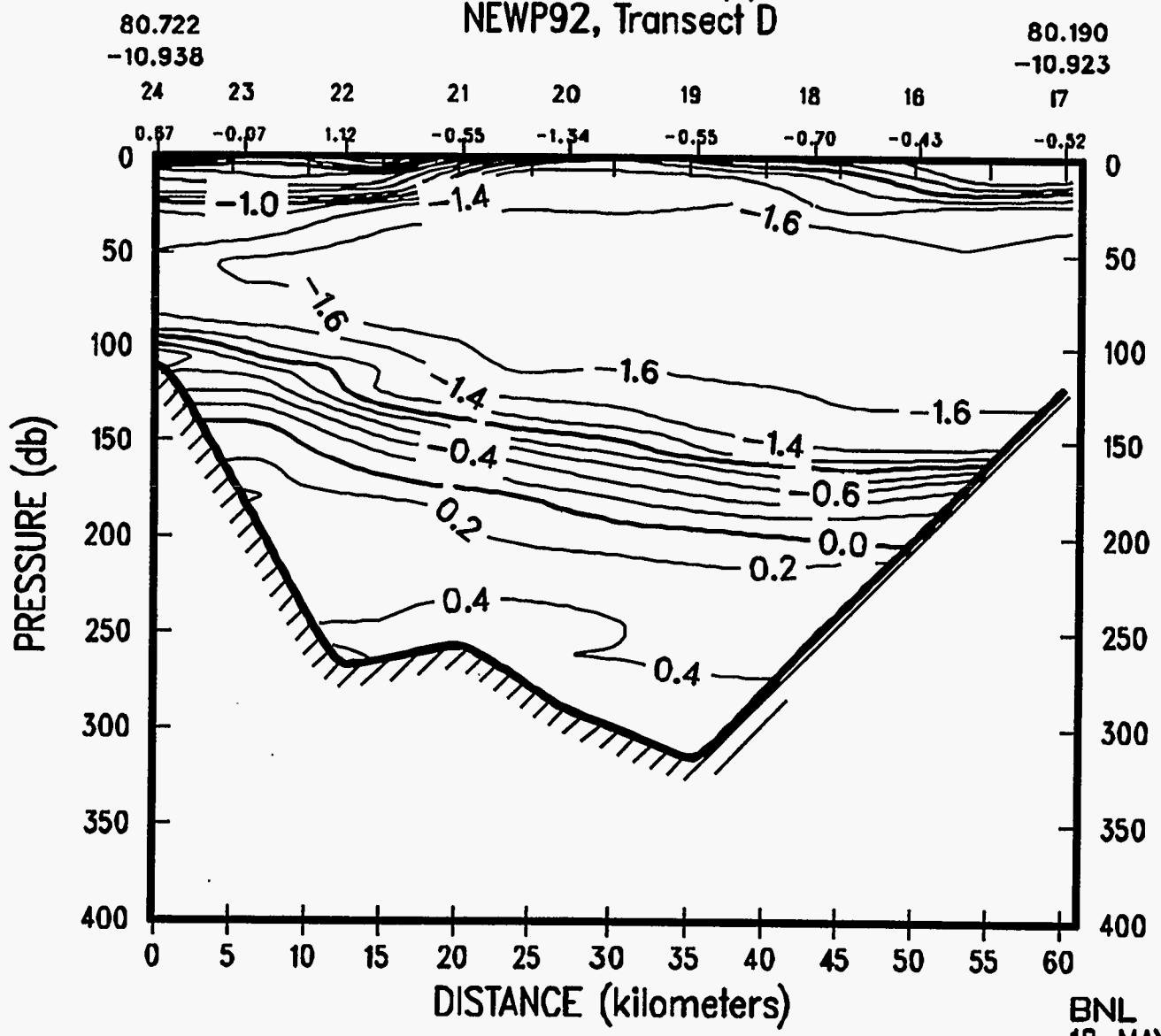
inewp92.c
8 (H) X 15 (V)

BOTTLE OXYGEN ($\mu\text{mol/kg}$) NEWP92, Transect C



tnewp92.d
9 (H) X 50 (V)

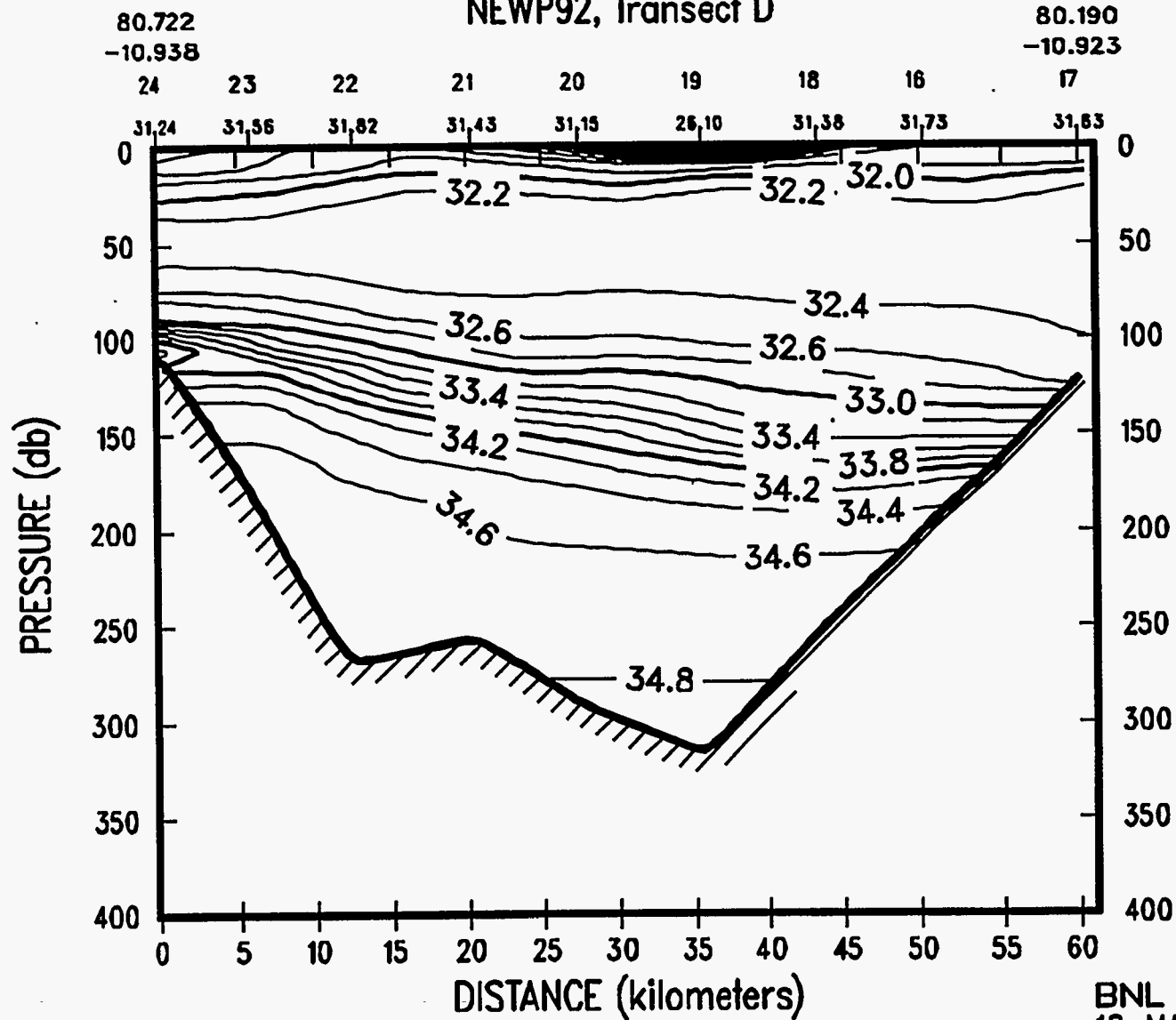
TEMPERATURE (C) NEWP92, Transect D



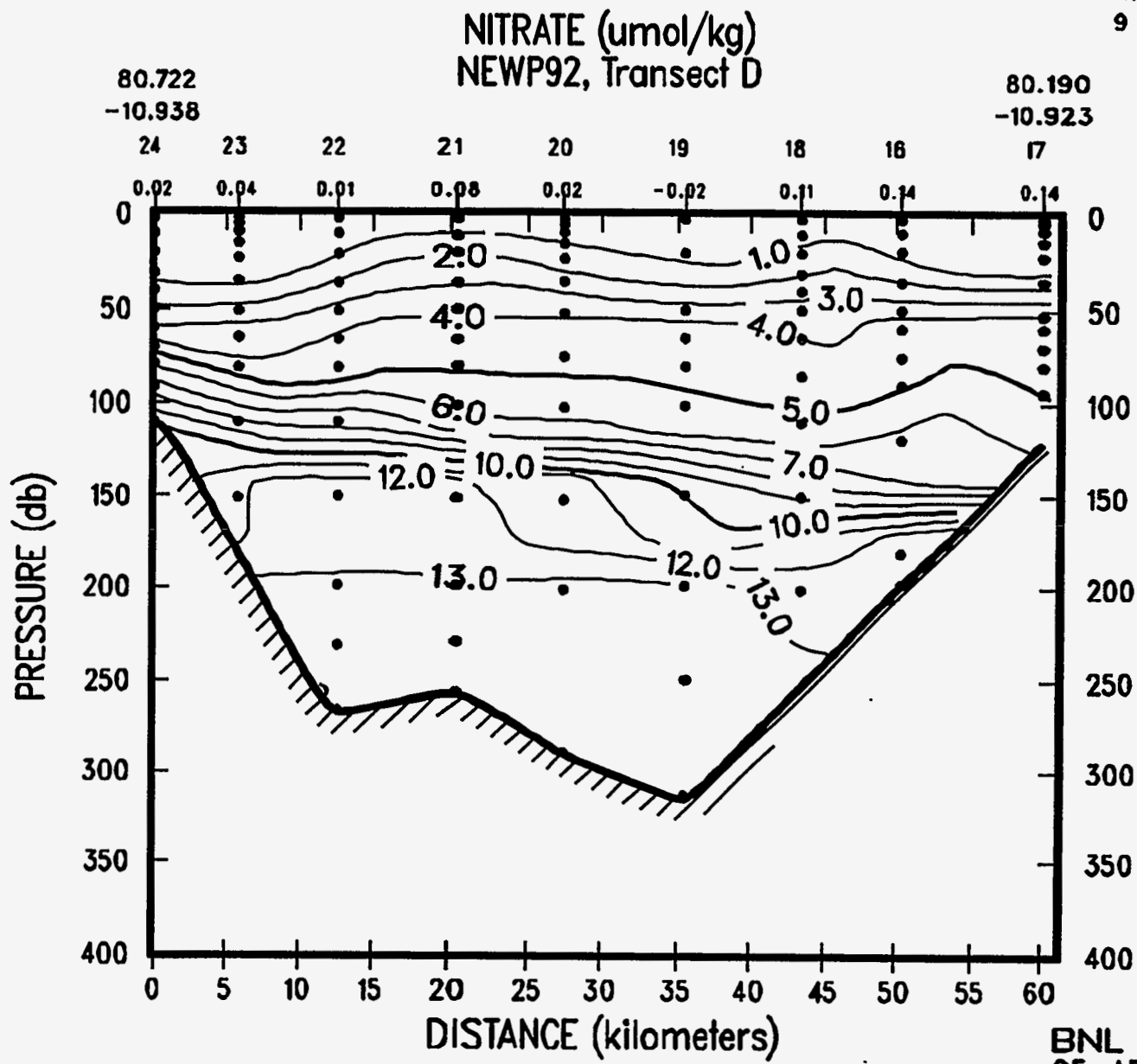
BNL
18-MAY-95 10:49:32

tnewp92.d
9 (H) X 50 (V)

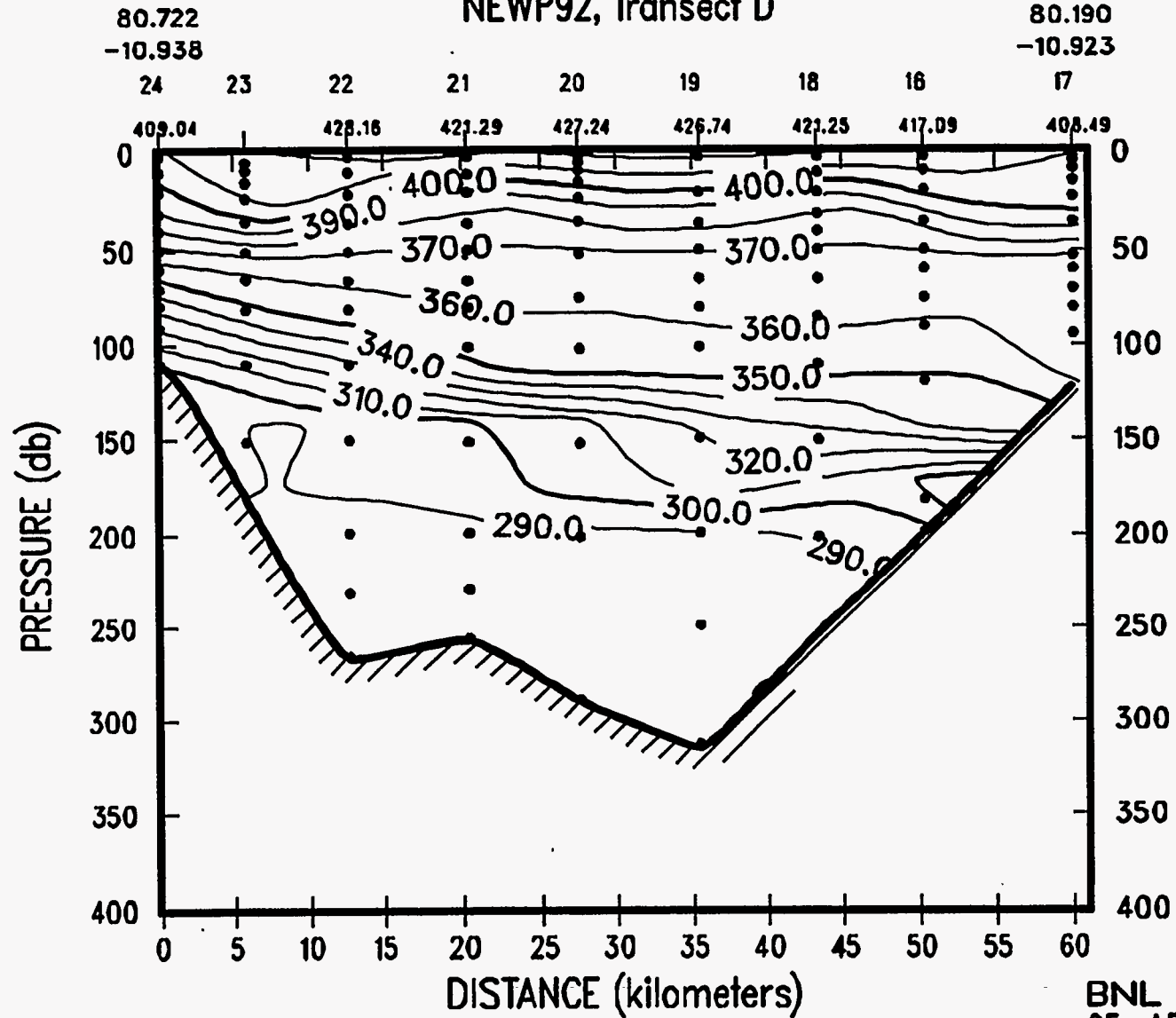
SALINITY (PS78) NEWP92, Transect D



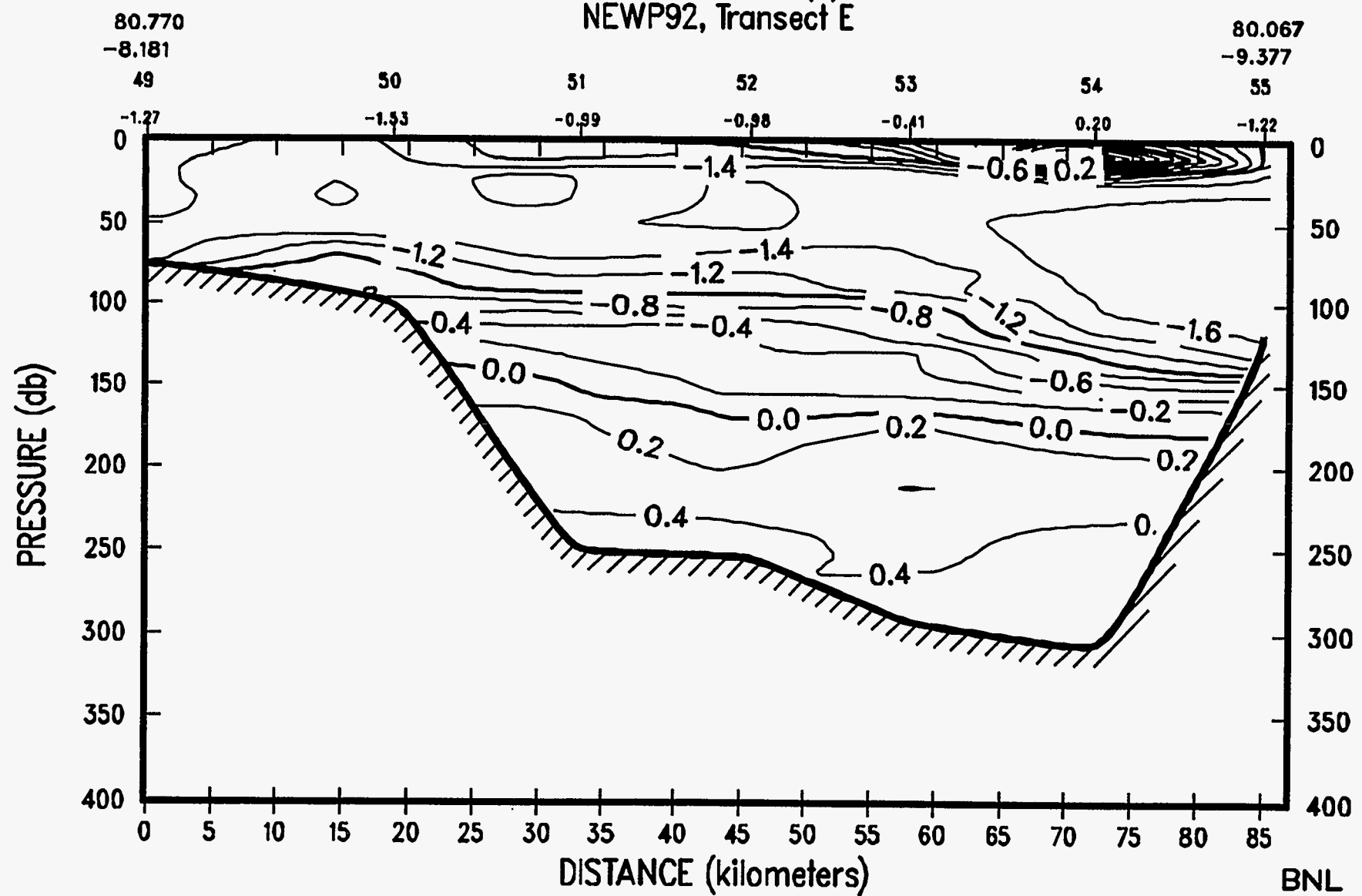
BNL
18-MAY-95 10:52:31



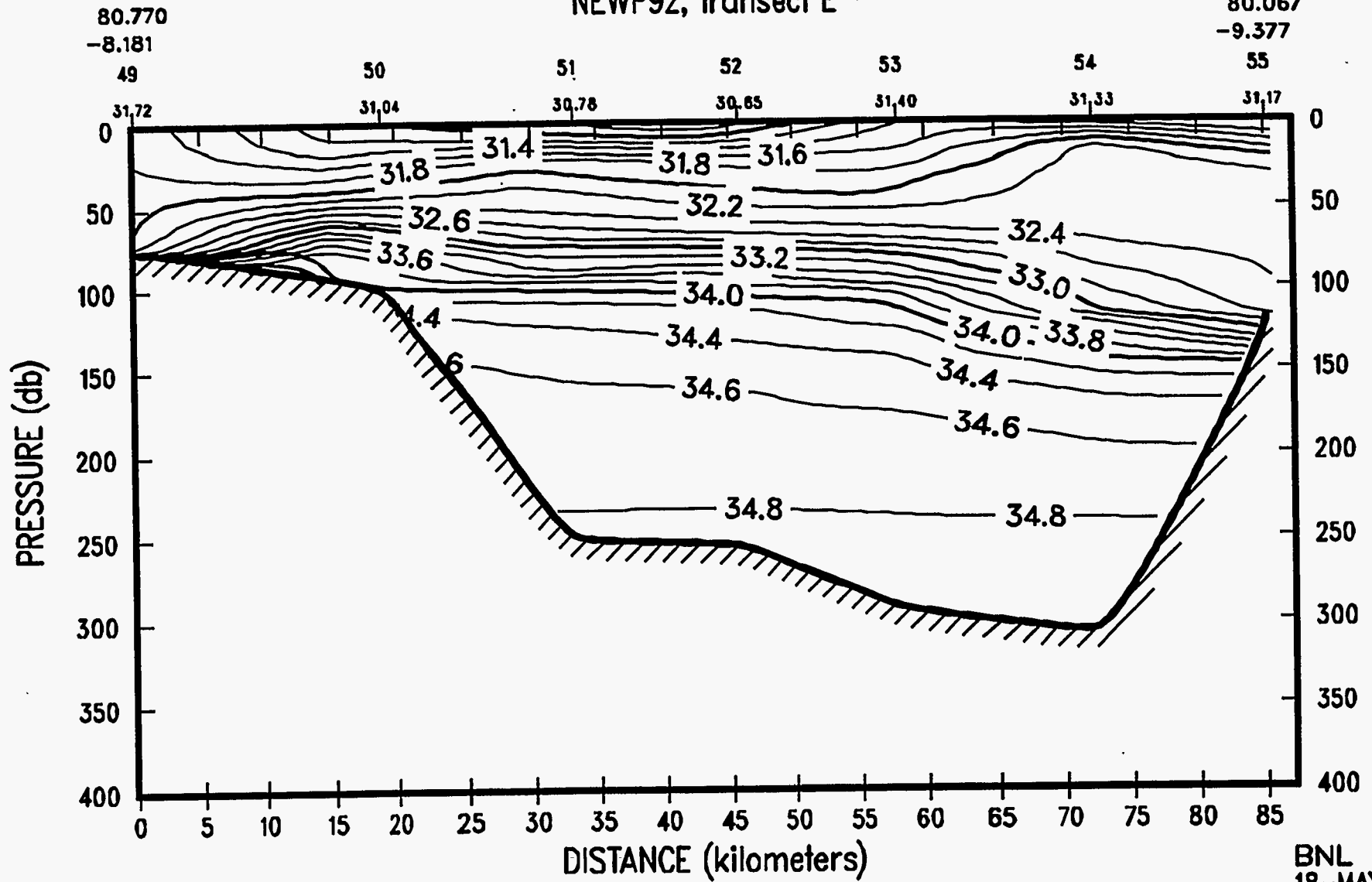
BOTTLE OXYGEN ($\mu\text{mol/kg}$) NEWP92, Transect D



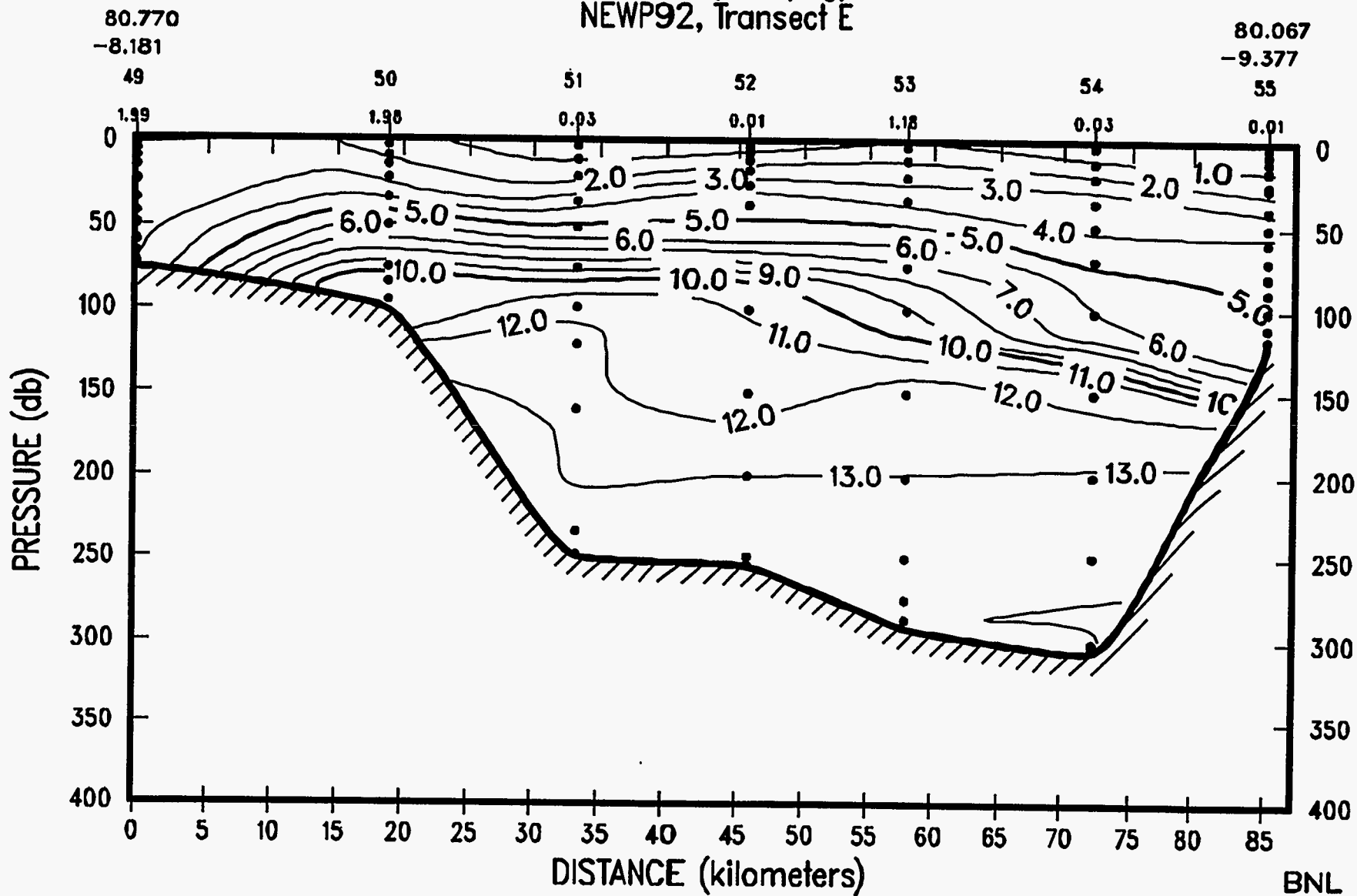
TEMPERATURE (C) NEWP92, Transect E



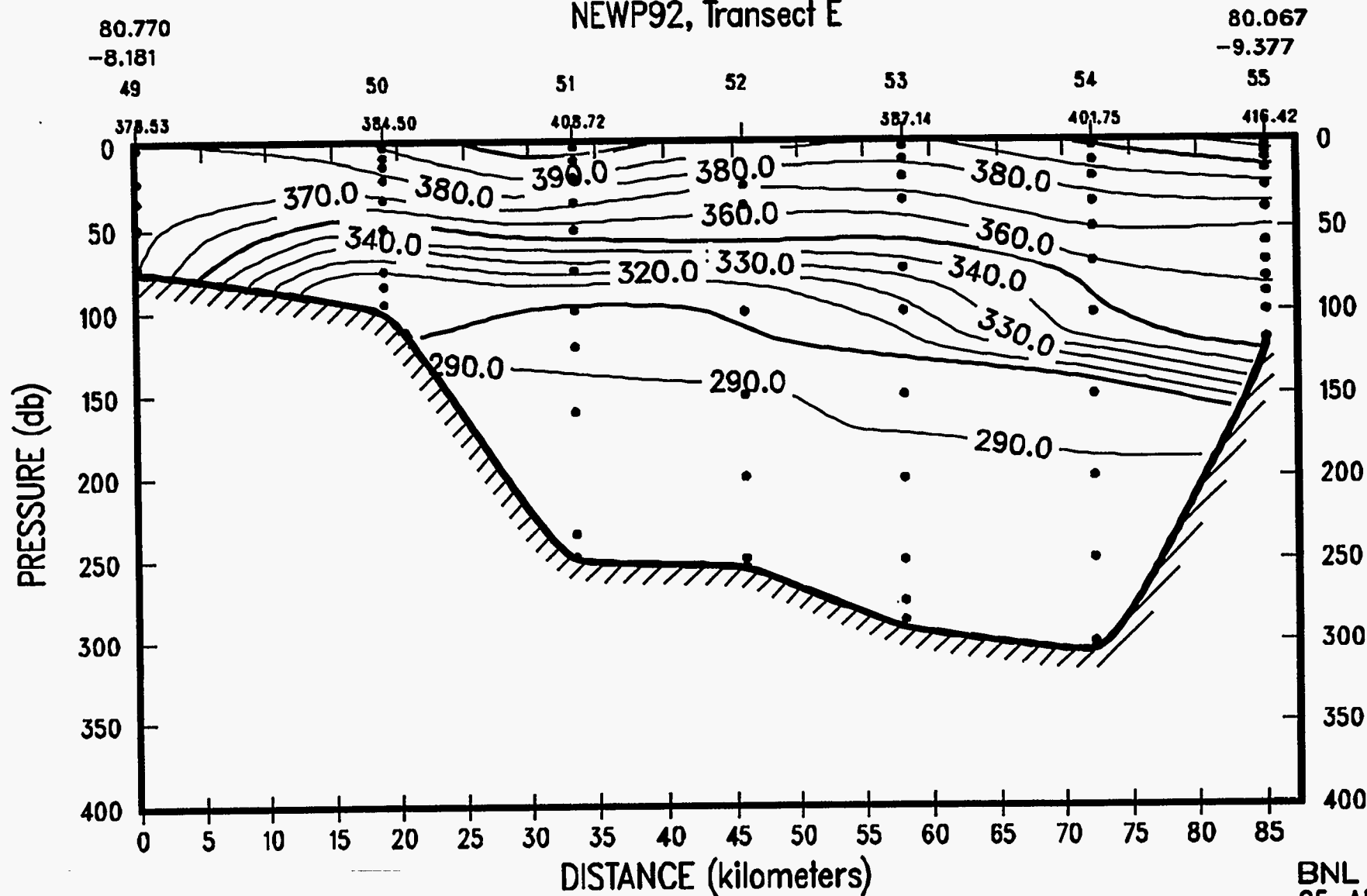
SALINITY (PS78) NEWP92, Transect E



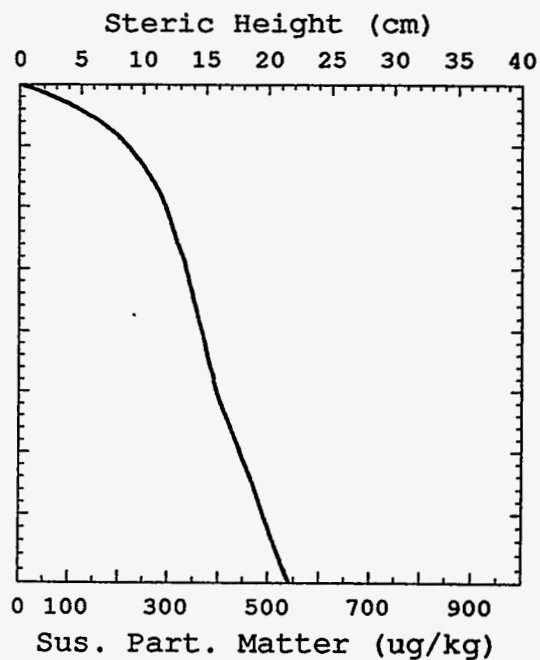
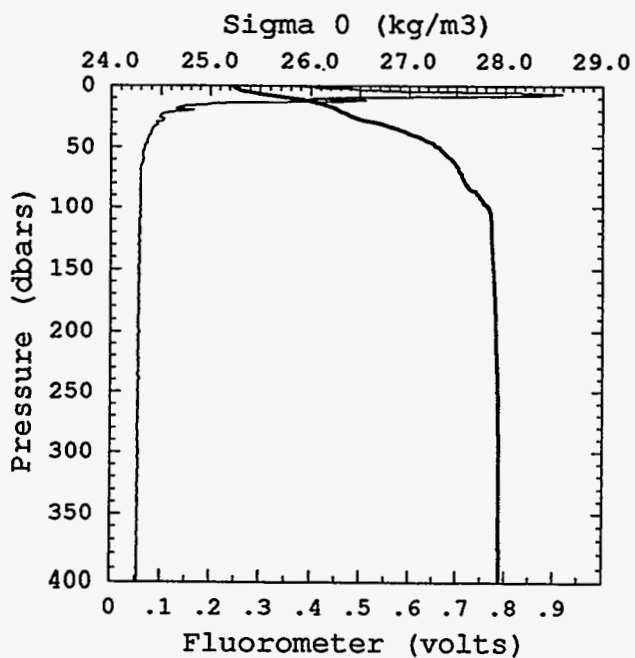
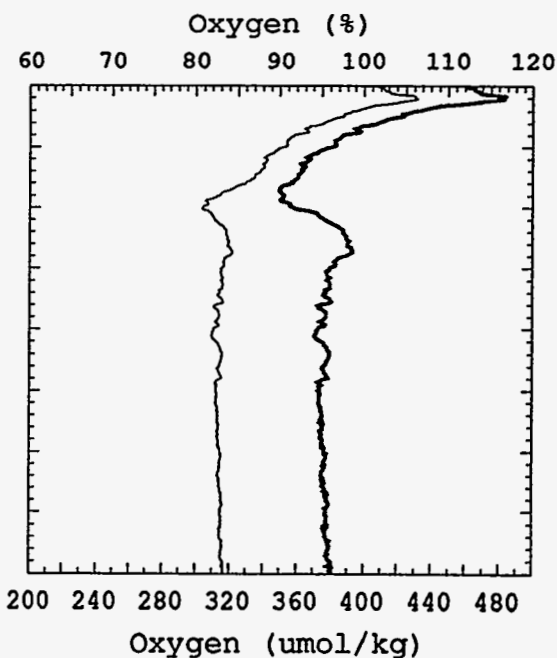
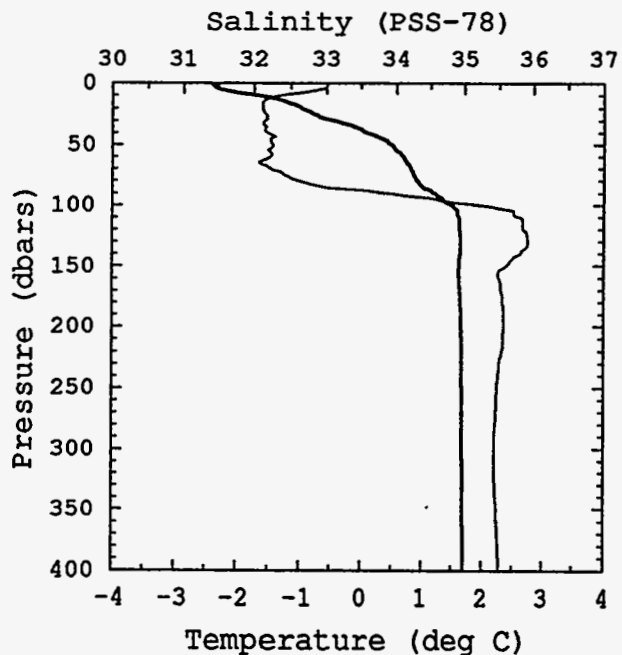
NITRATE (umol/kg) NEWP92, Transect E



BOTTLE OXYGEN (umol/kg) NEWP92, Transect E

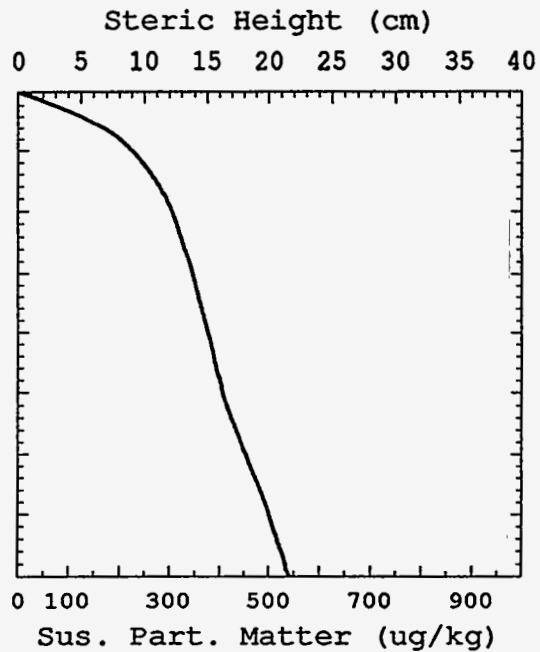
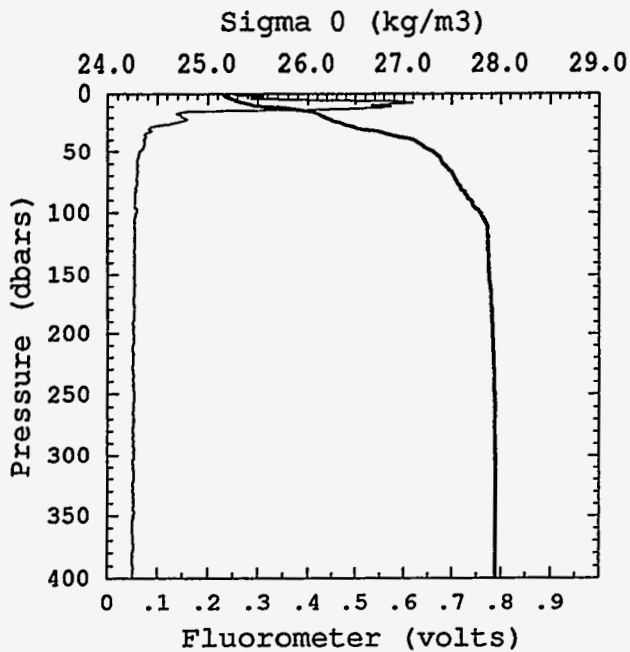
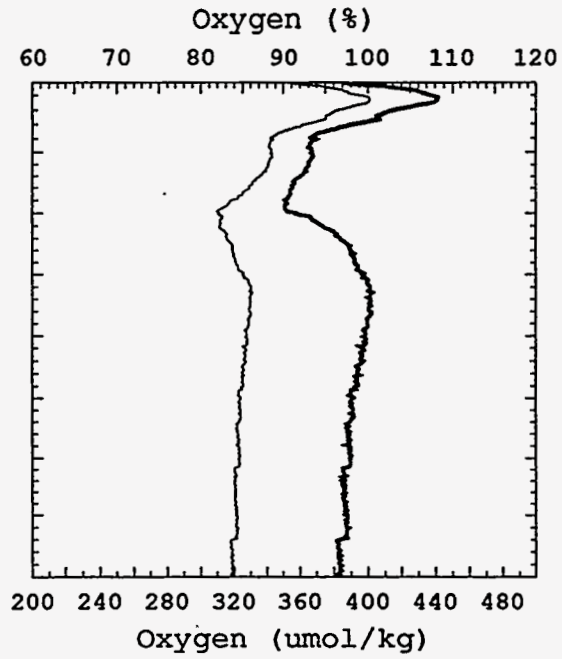
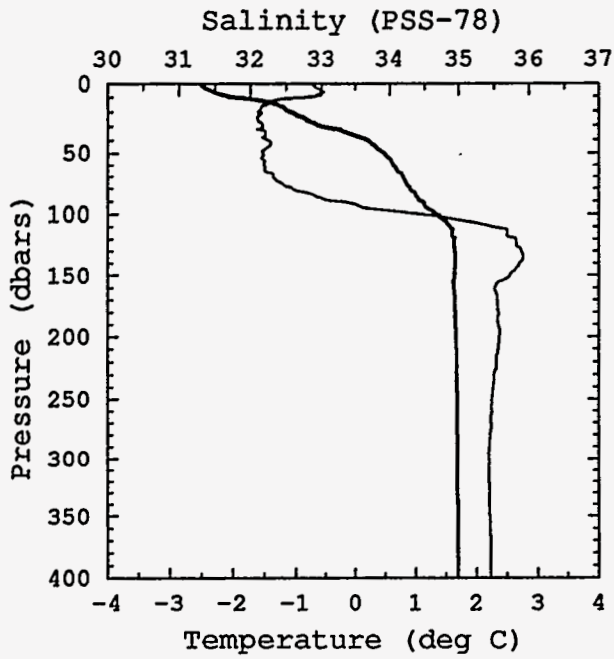


NEWP-92
STA 1 CTD 1
BOTTOM DEPTH=1343



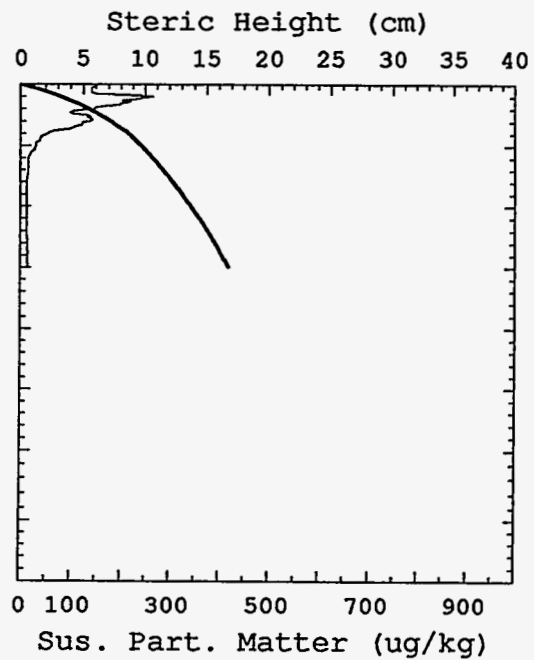
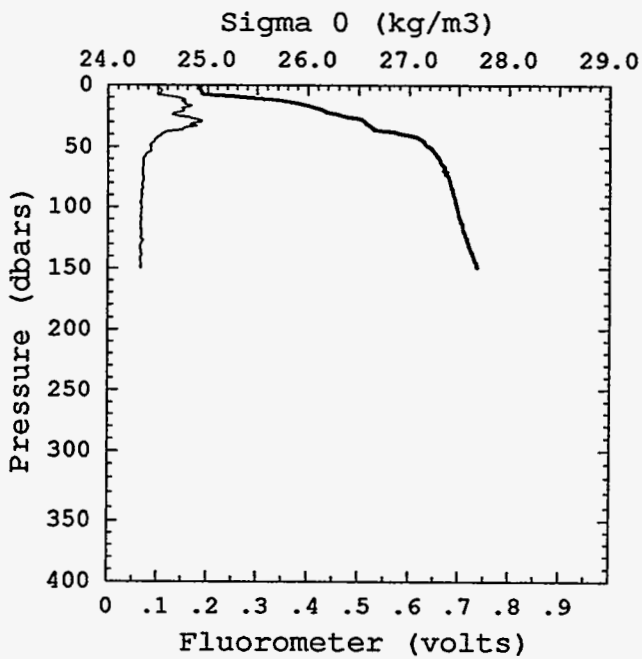
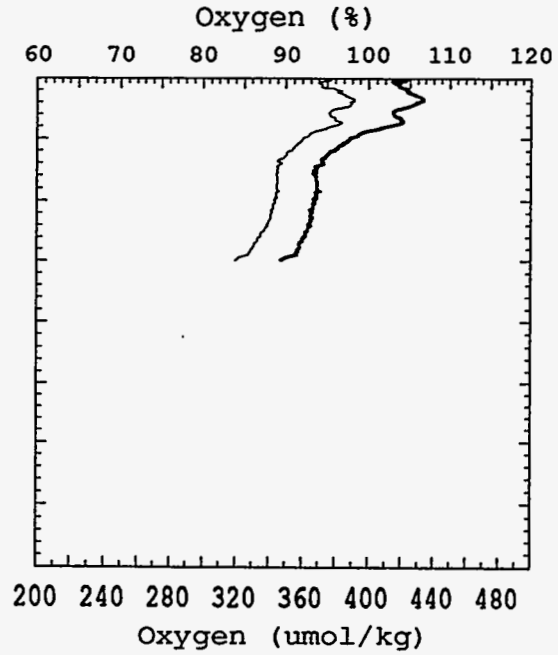
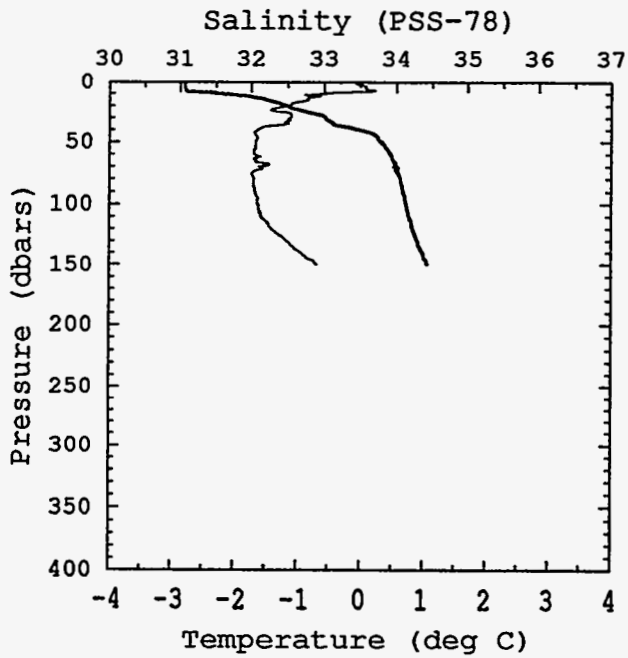
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 1 CTD 2
BOTTOM DEPTH=1304



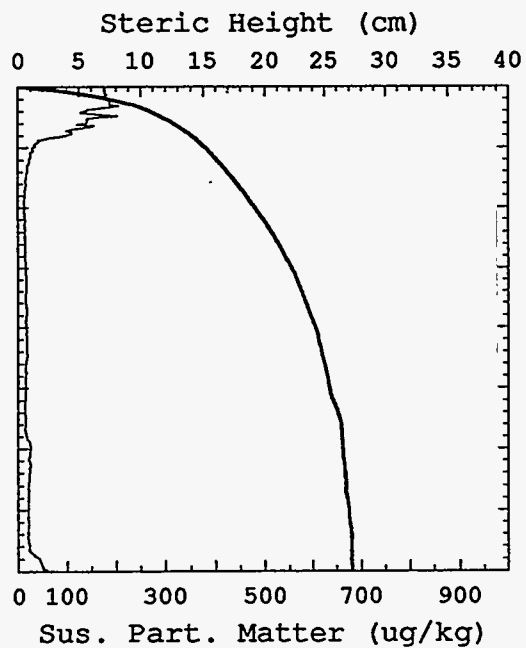
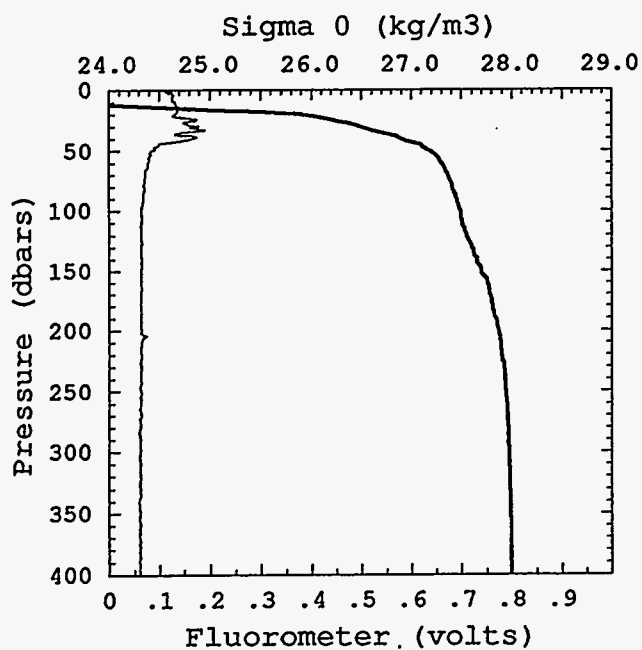
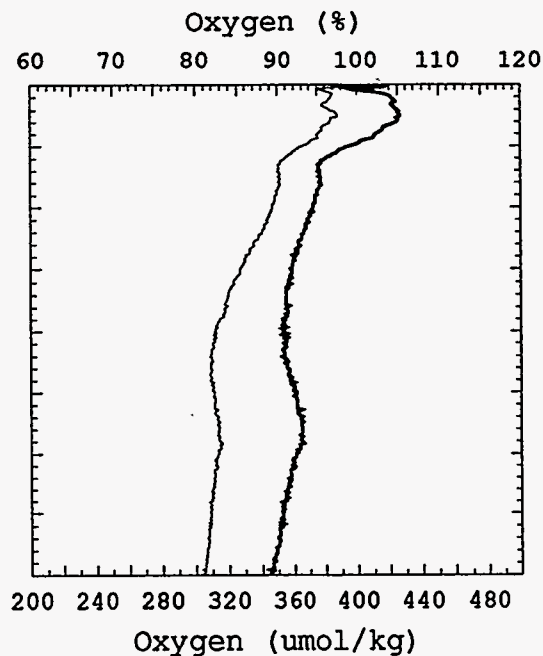
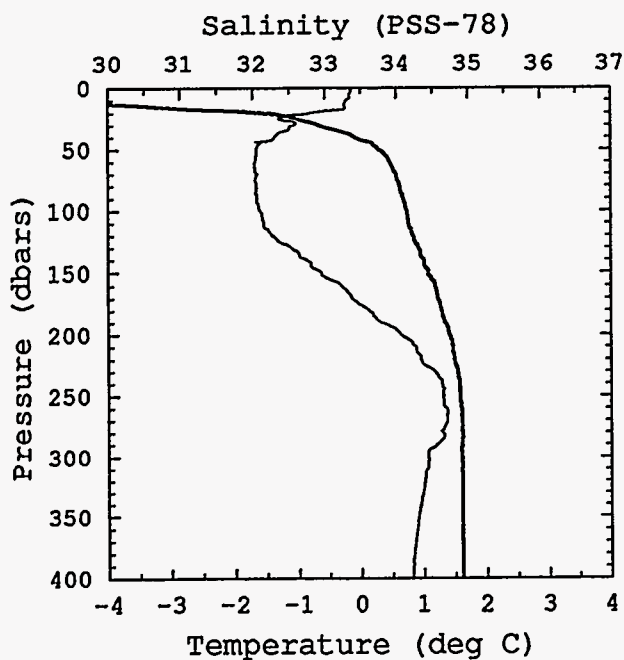
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 2 CTD 3
BOTTOM DEPTH= 150



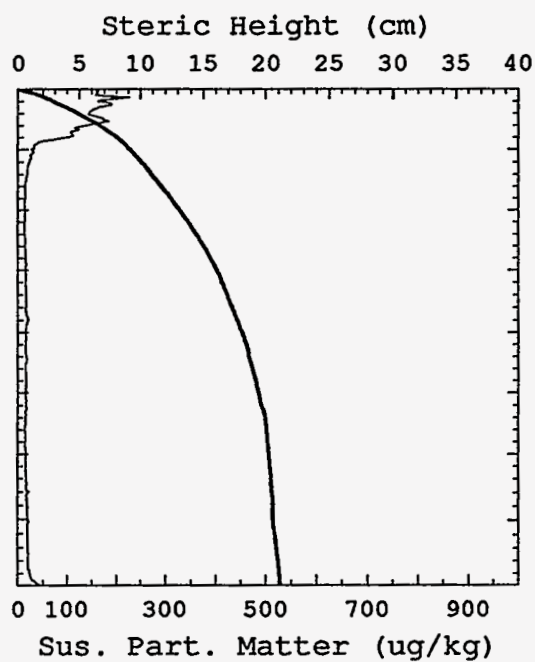
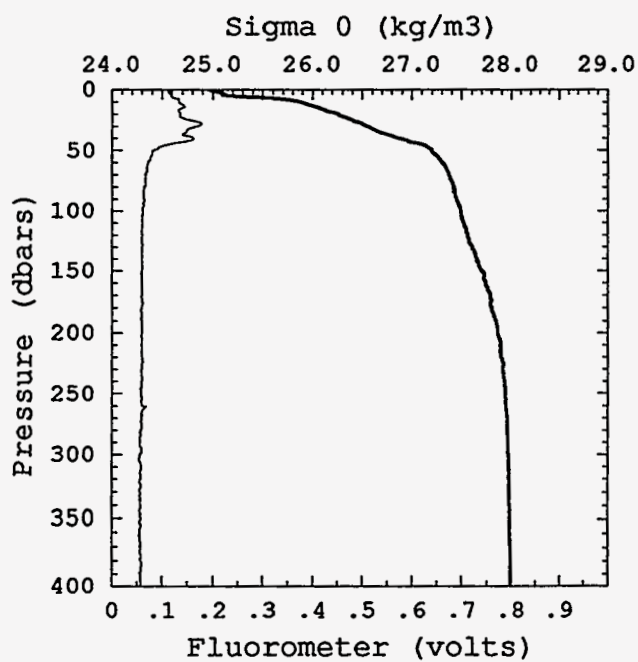
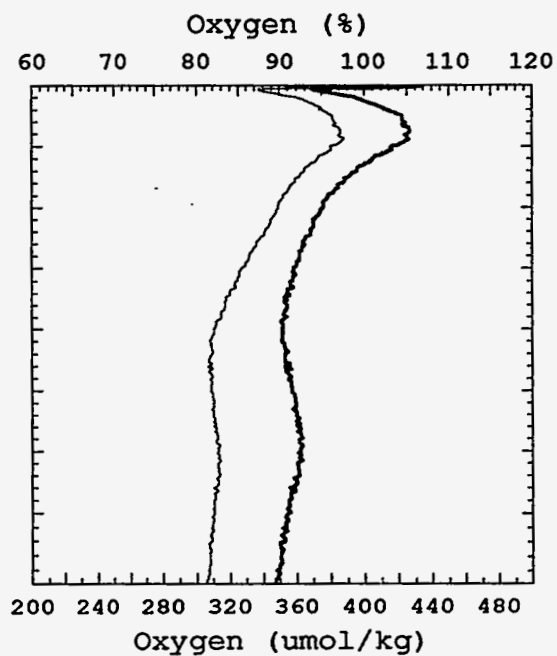
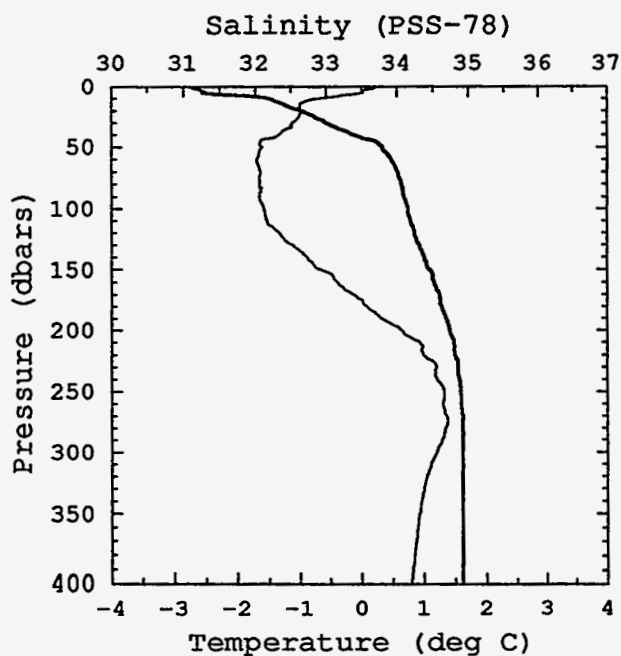
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 2 CTD 4
BOTTOM DEPTH= 476



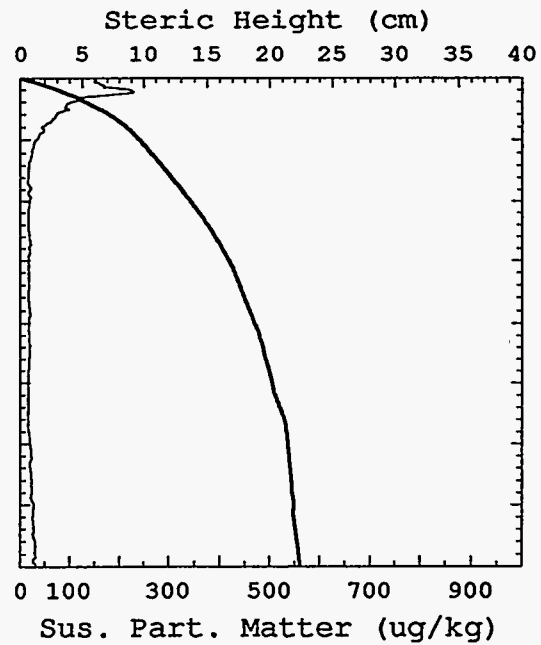
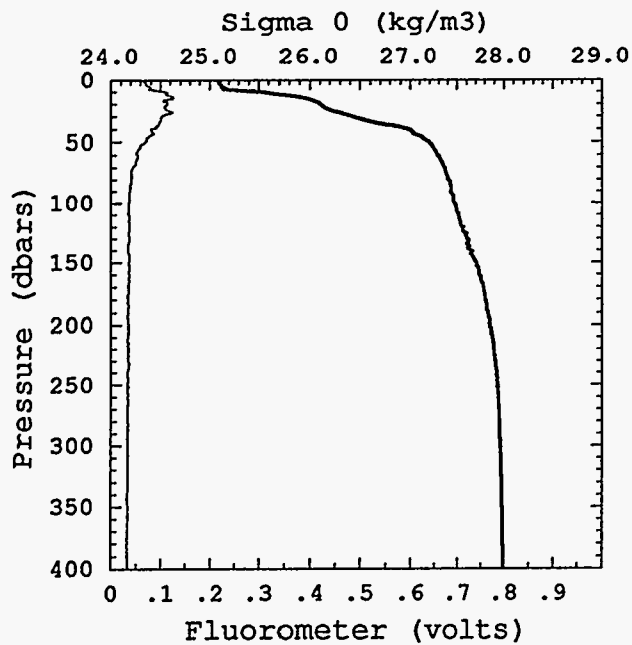
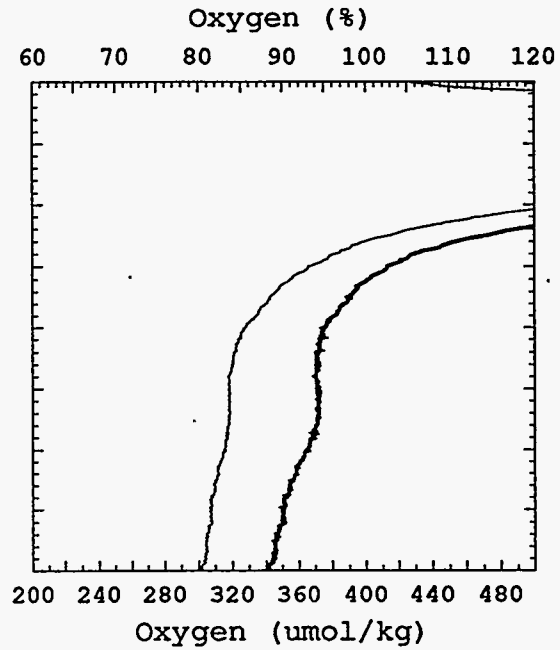
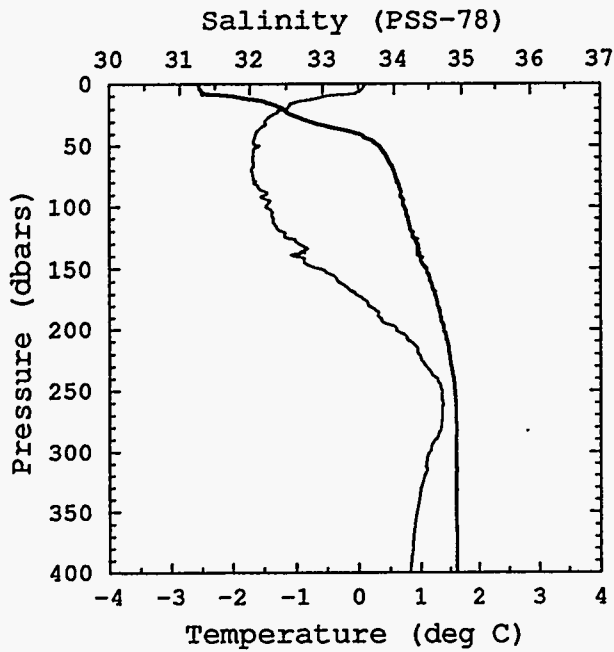
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 2 CTD 5
BOTTOM DEPTH= 472



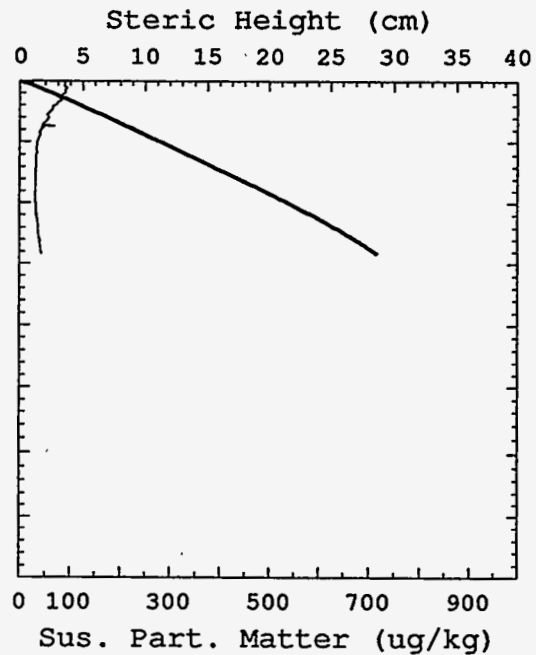
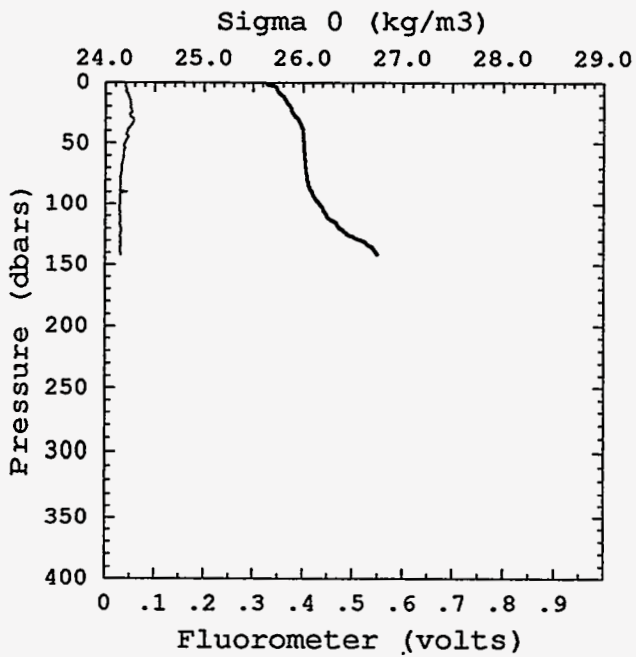
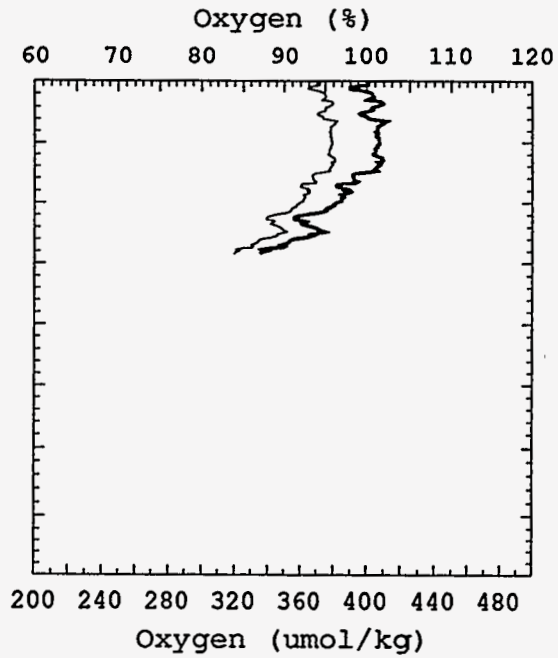
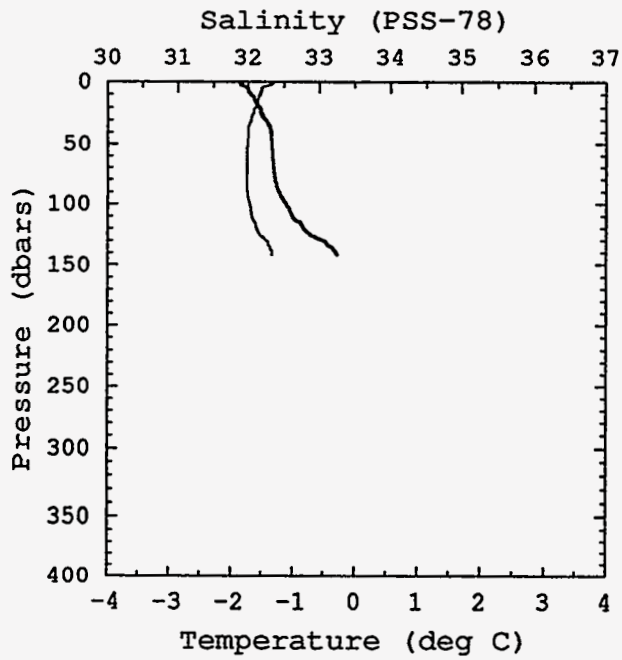
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 2 CTD 6
BOTTOM DEPTH= 433



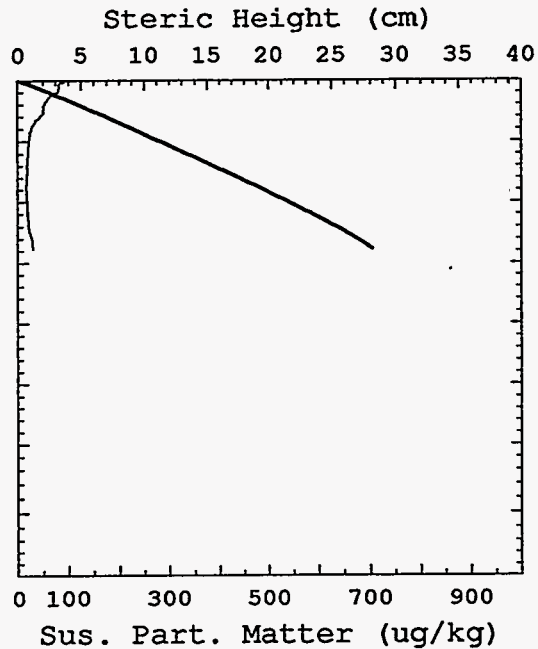
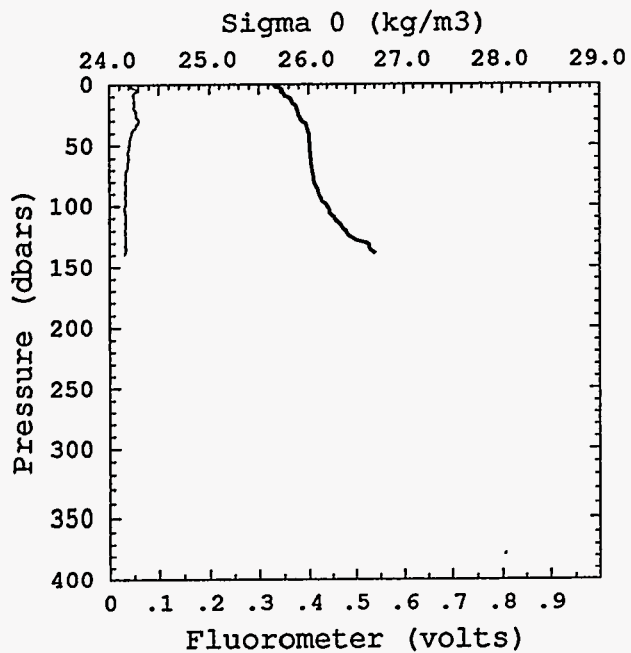
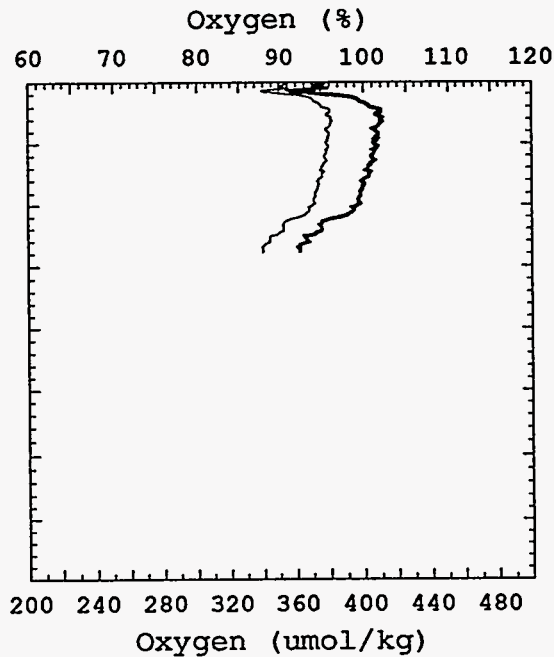
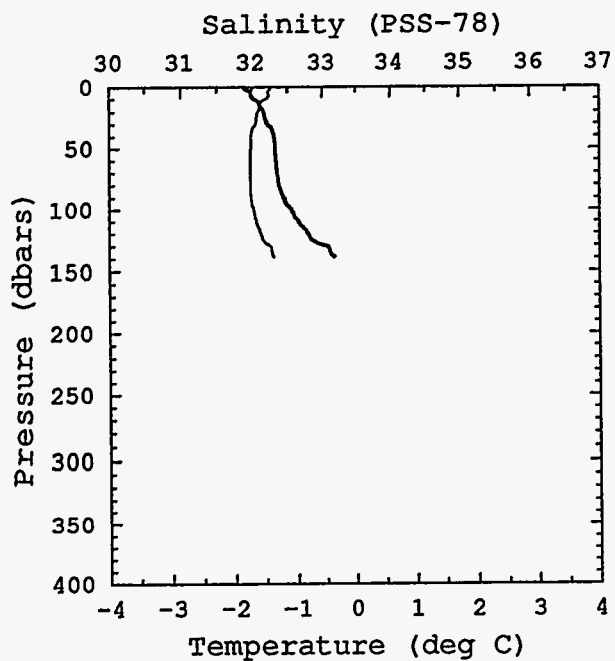
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 3 CTD 7
BOTTOM DEPTH= 142



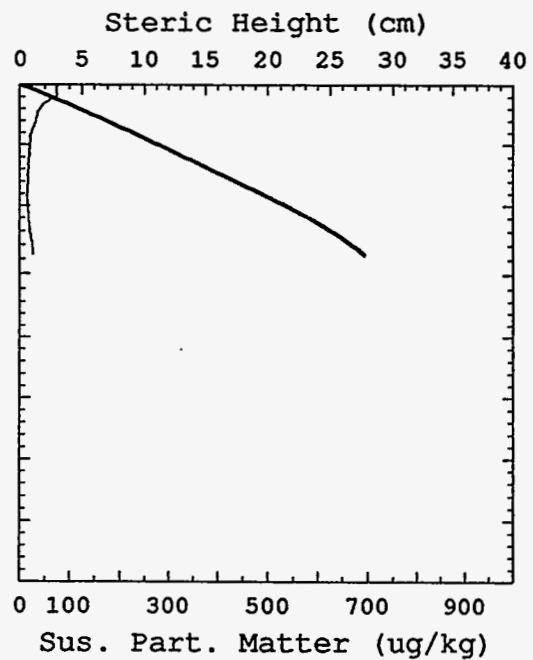
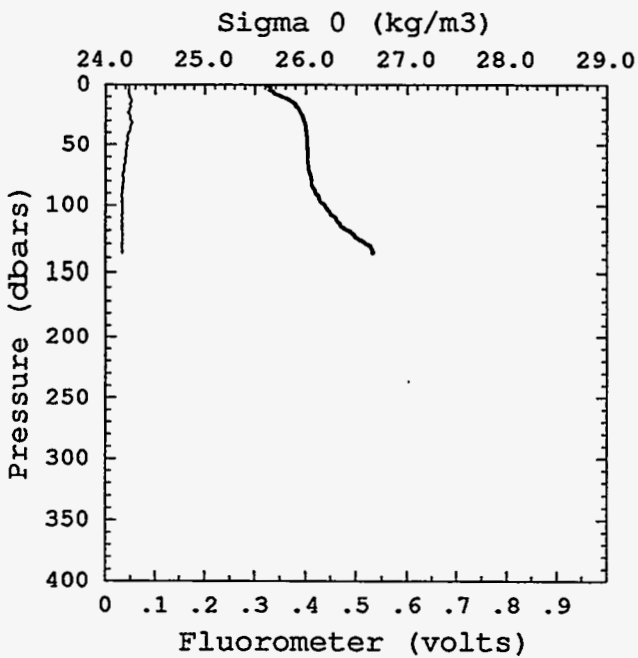
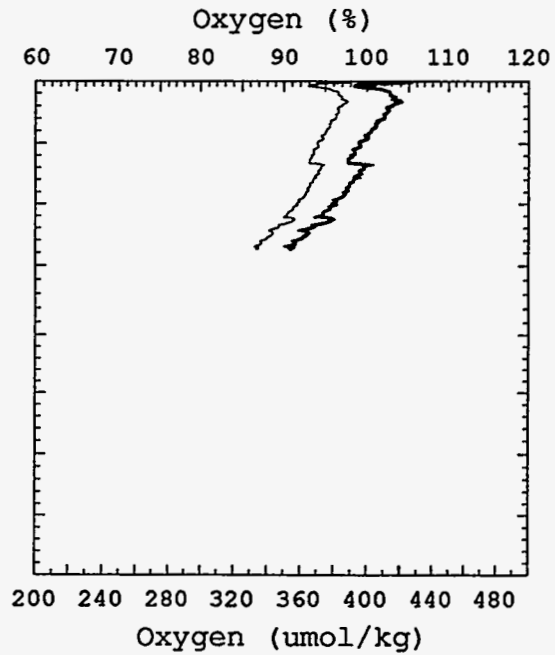
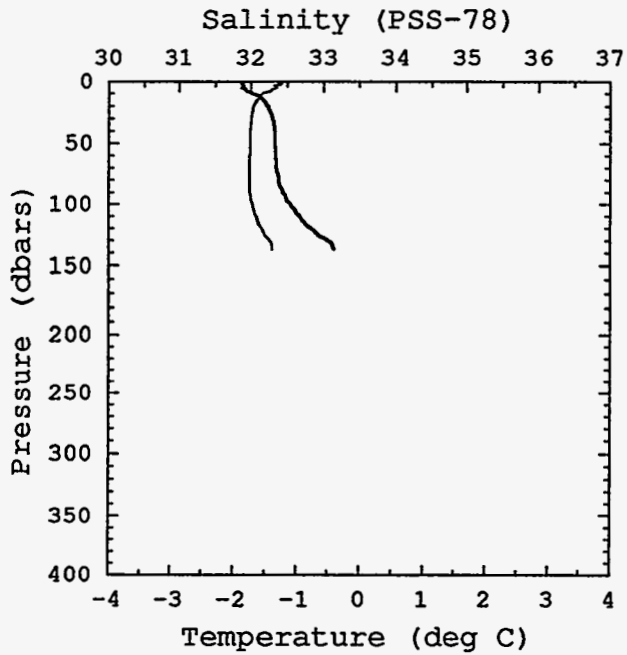
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 3 CTD 8
BOTTOM DEPTH= 139



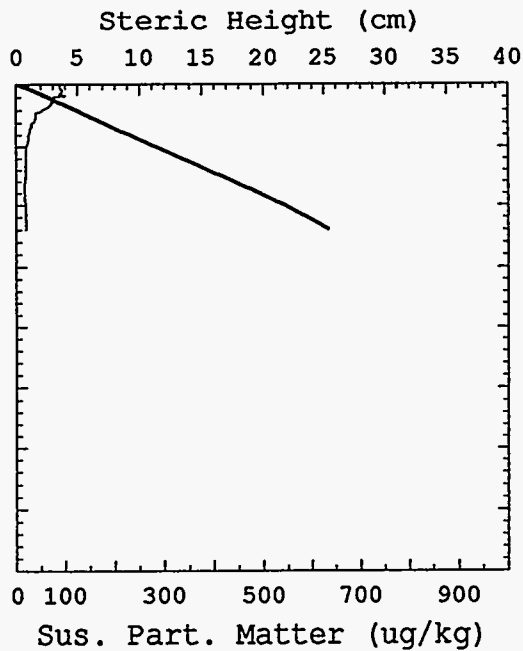
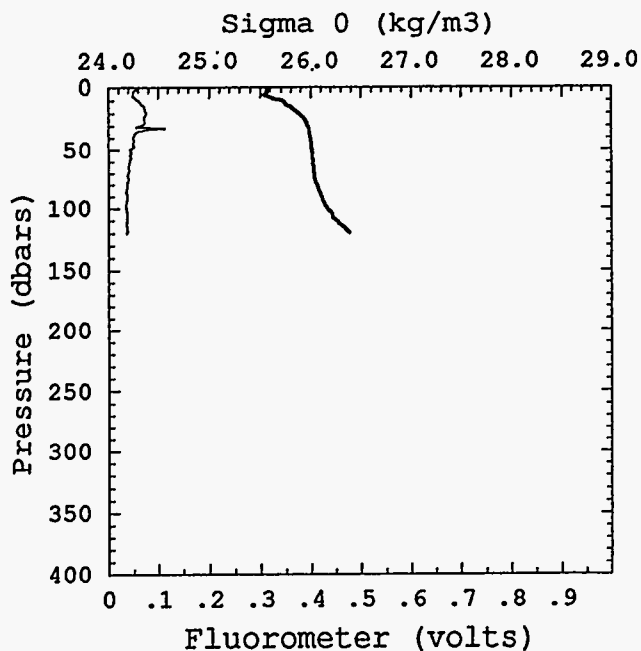
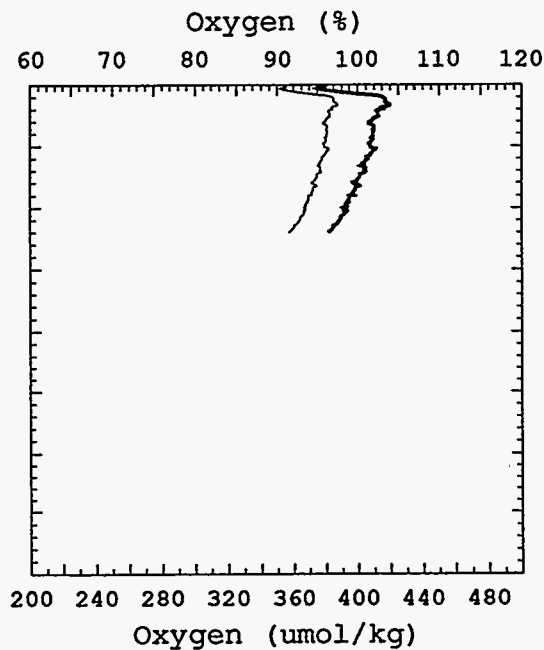
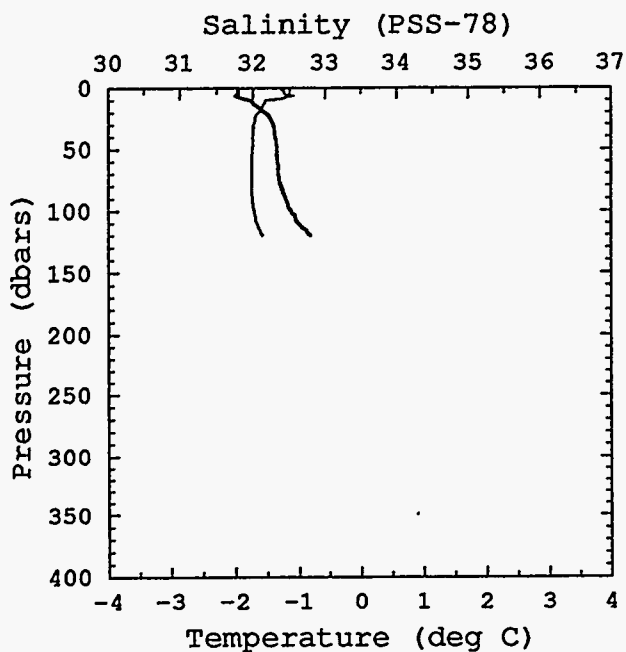
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 3 CTD 9
BOTTOM DEPTH= 137



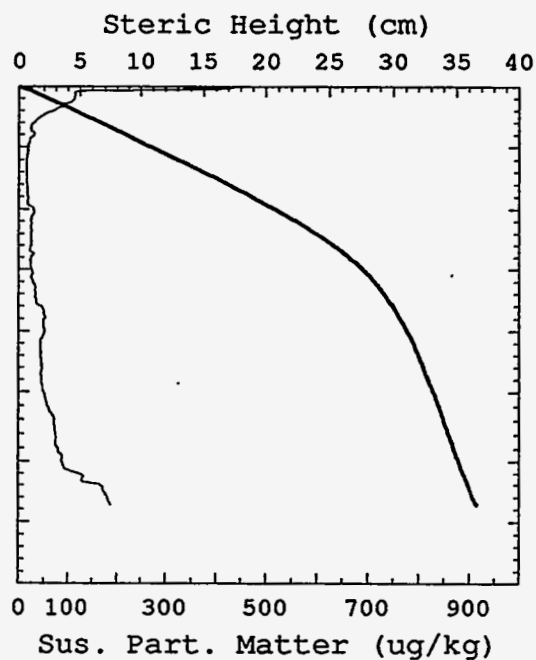
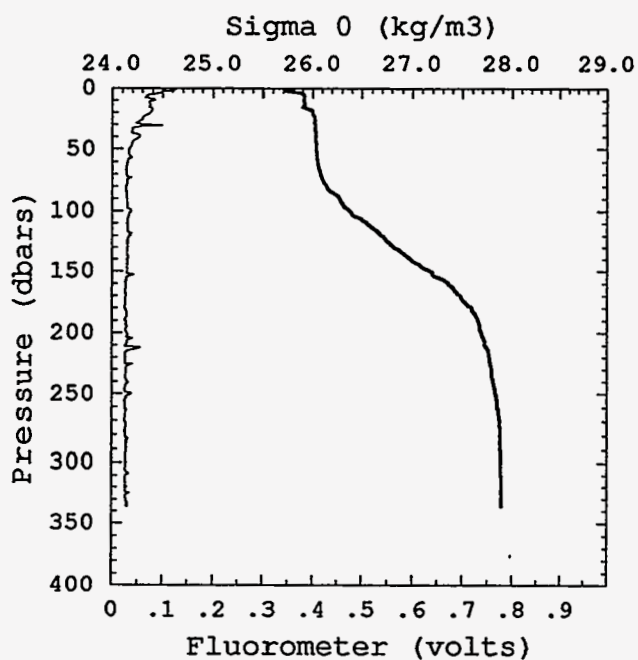
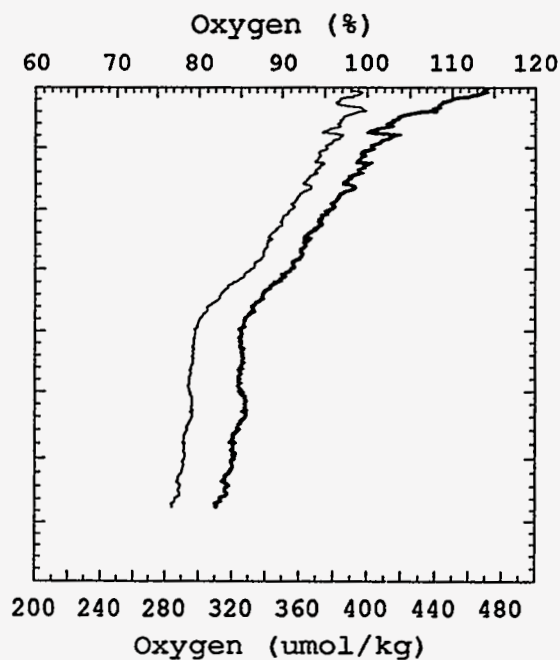
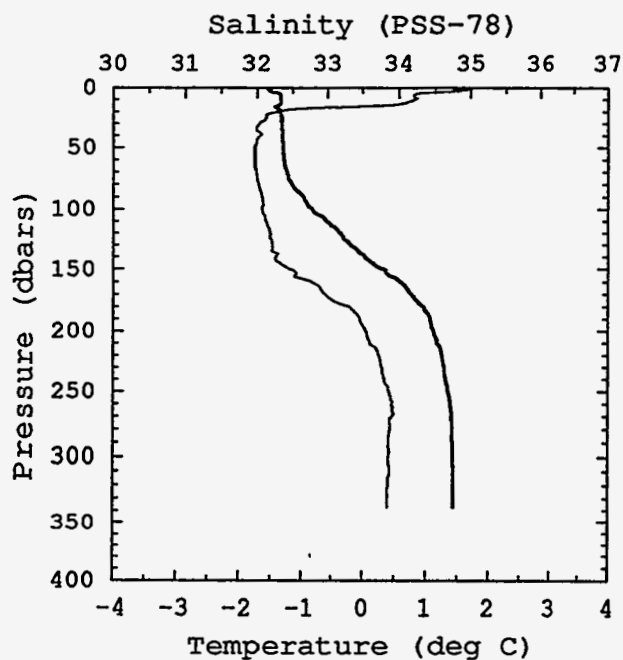
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 3 CTD 10
BOTTOM DEPTH= 120



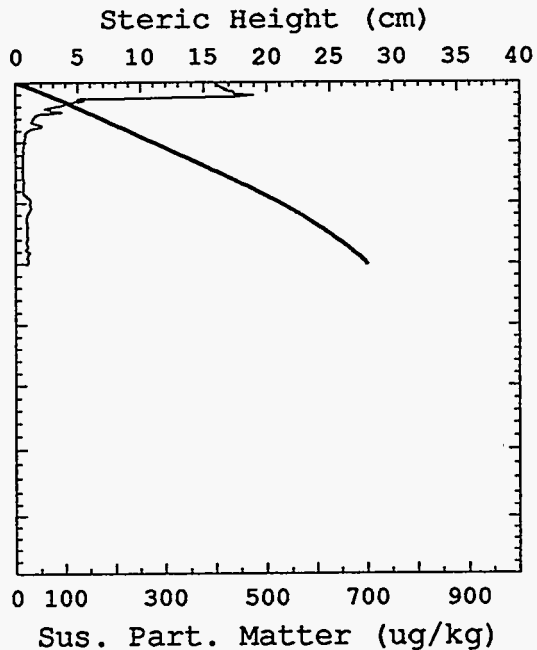
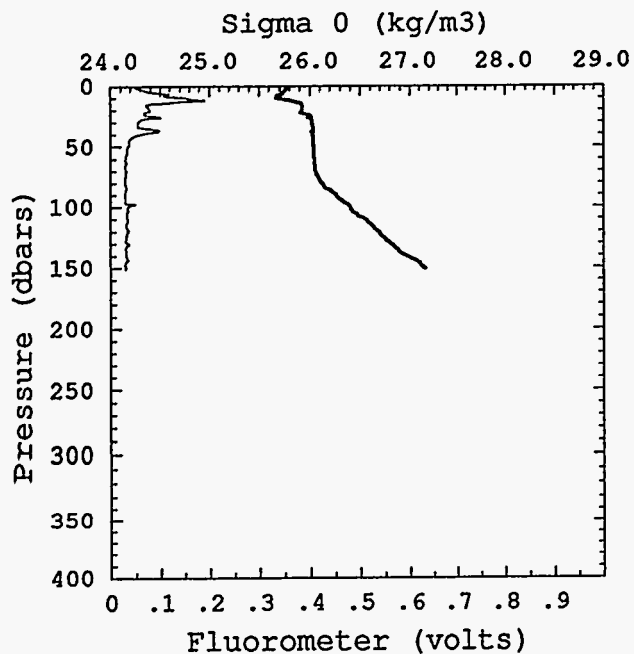
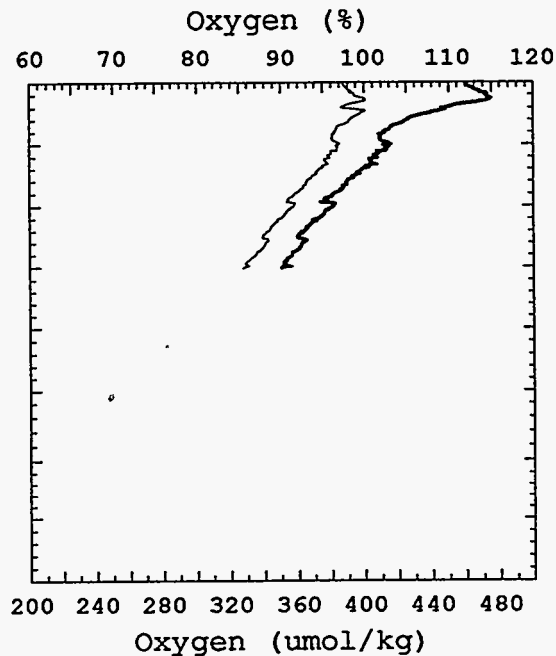
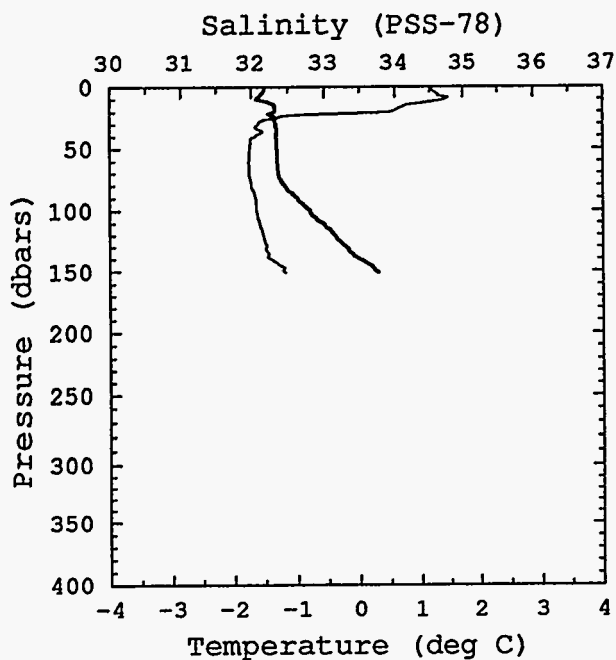
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 4 CTD 11
BOTTOM DEPTH= 337



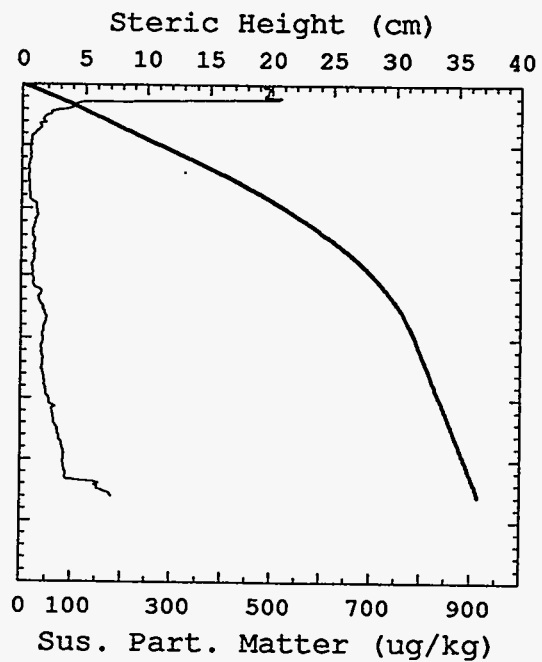
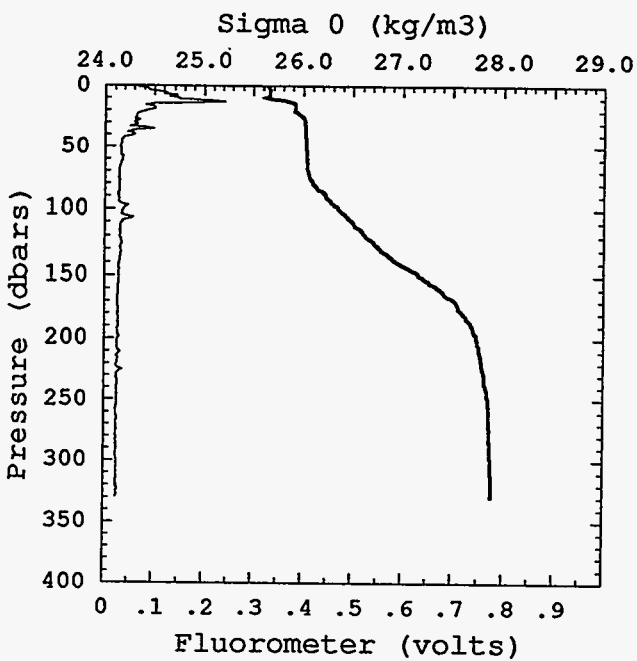
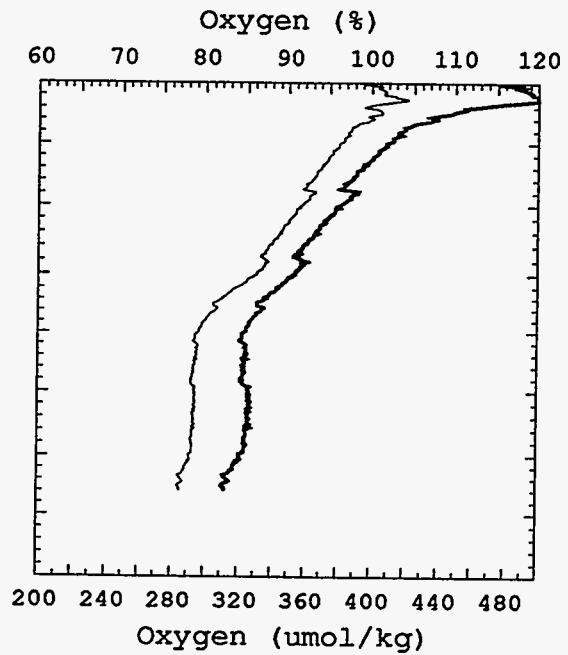
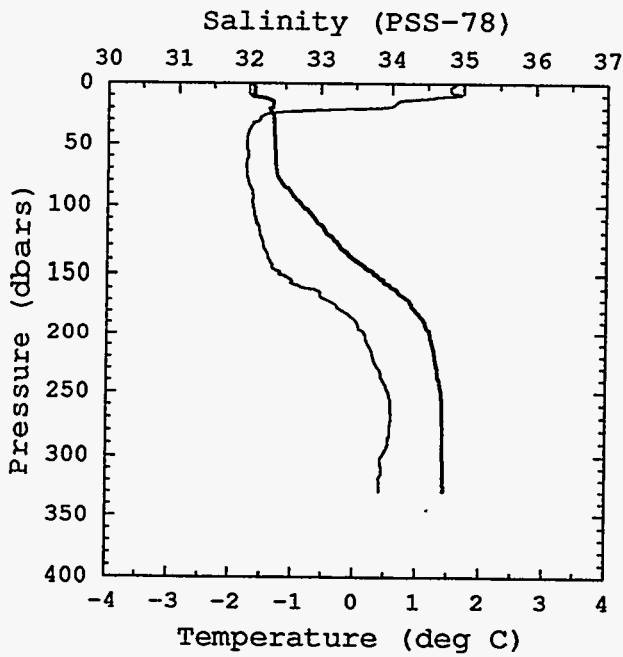
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 4 CTD 12
BOTTOM DEPTH= 151



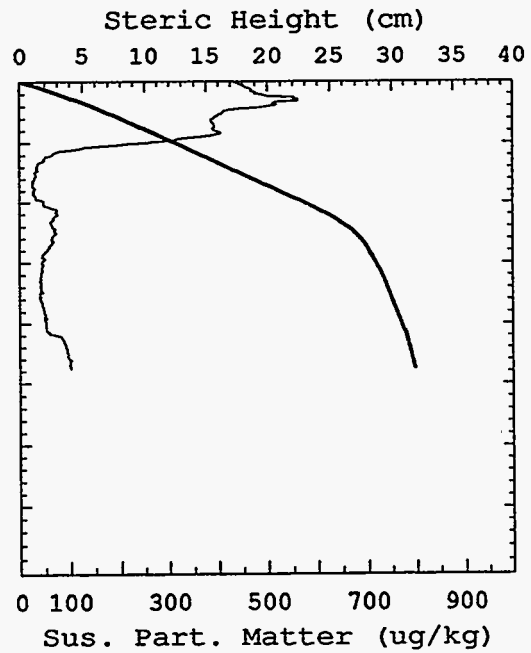
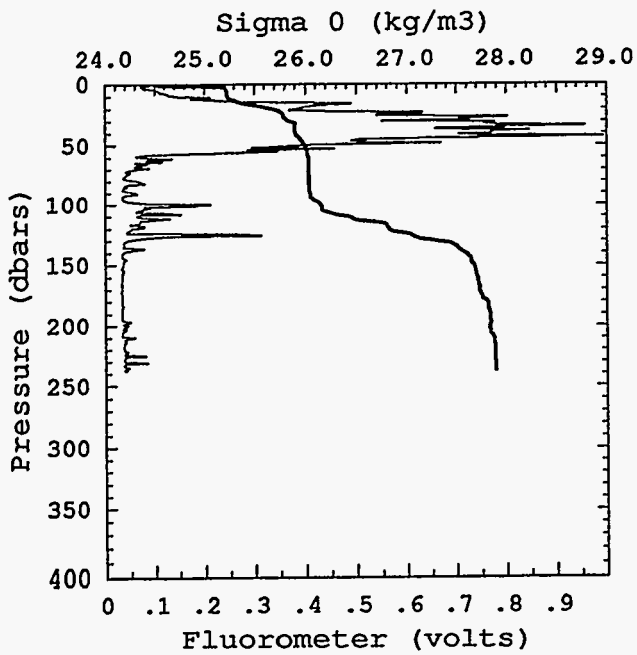
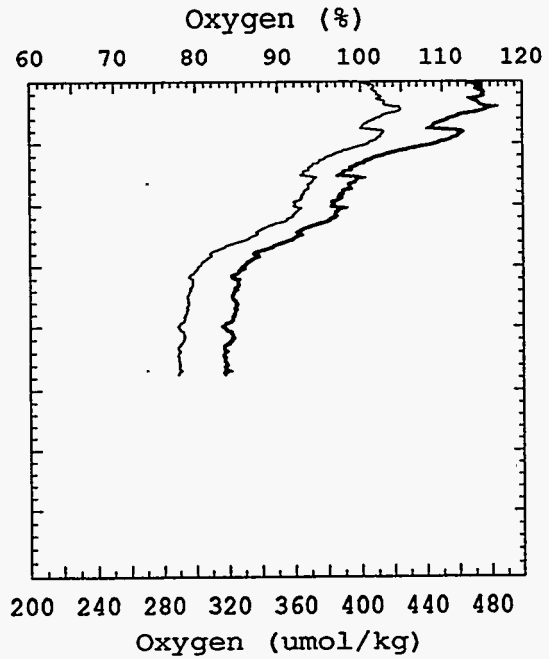
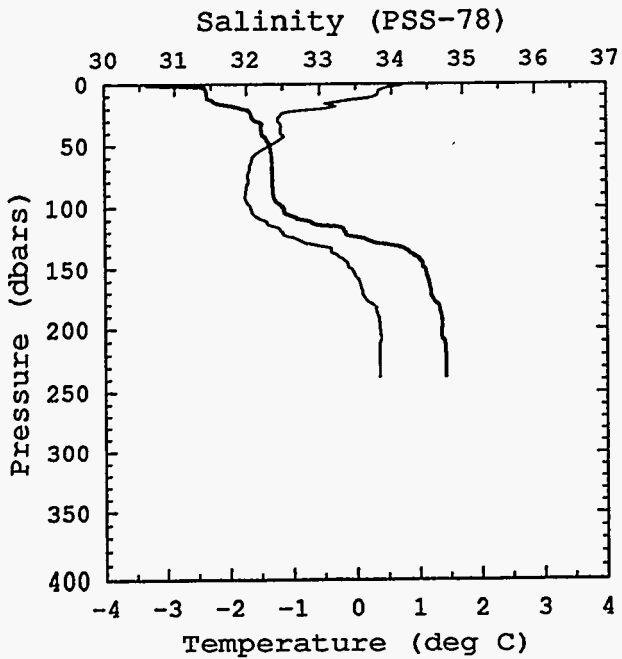
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 4 CTD 13
BOTTOM DEPTH= 330



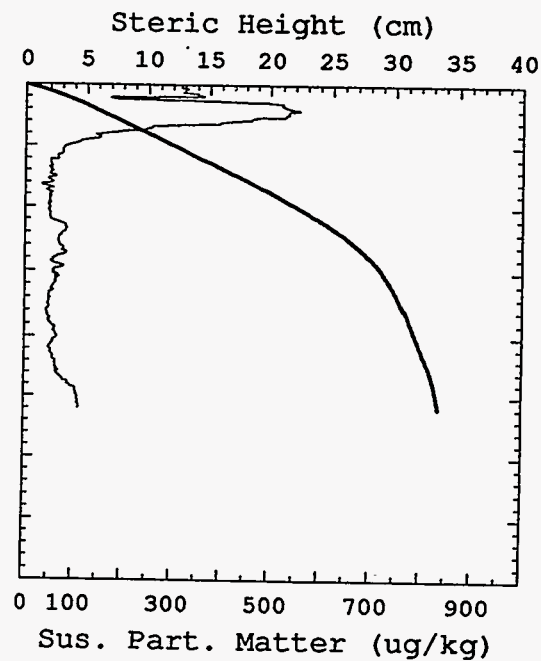
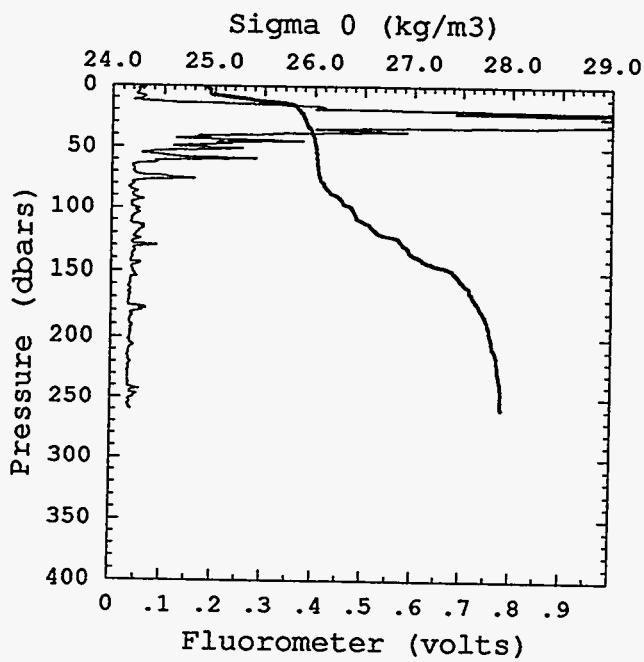
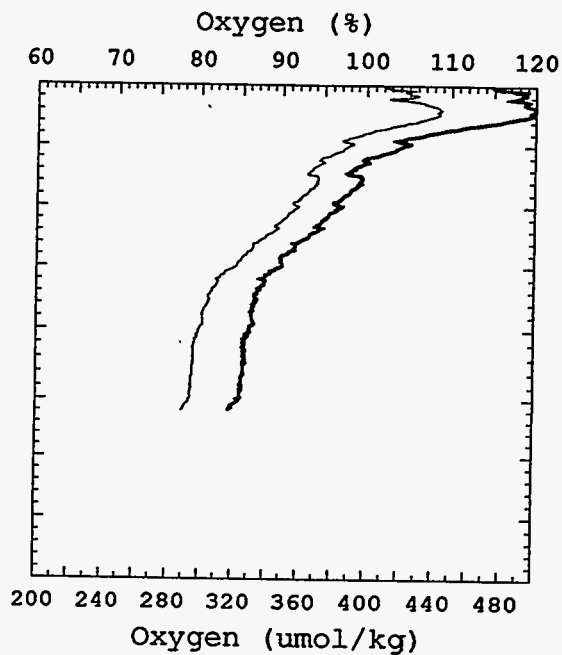
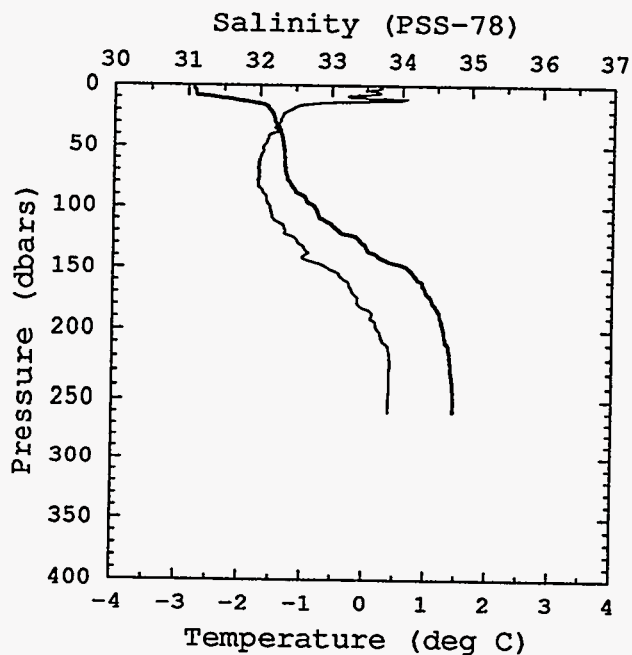
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 5 CTD 14
BOTTOM DEPTH= 238



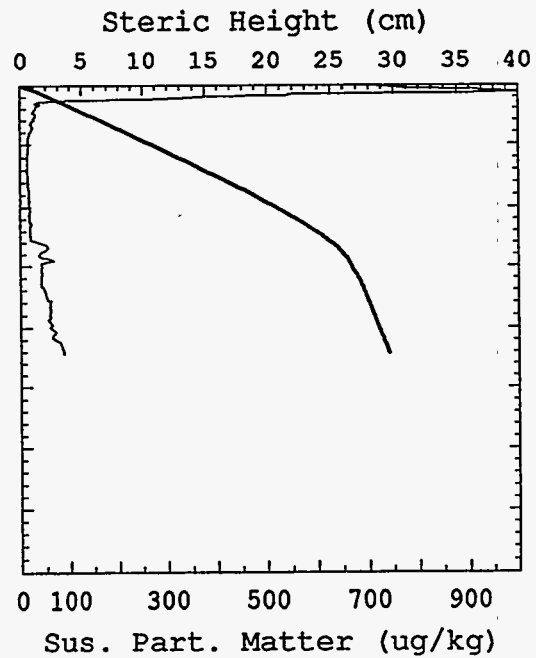
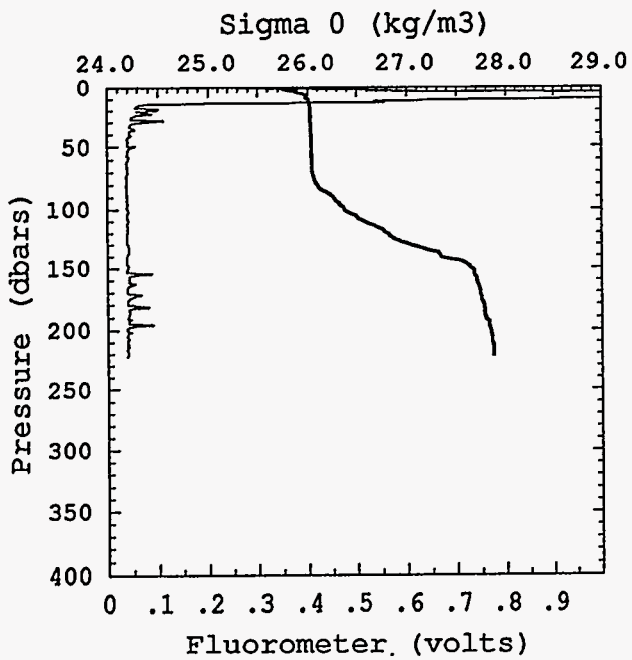
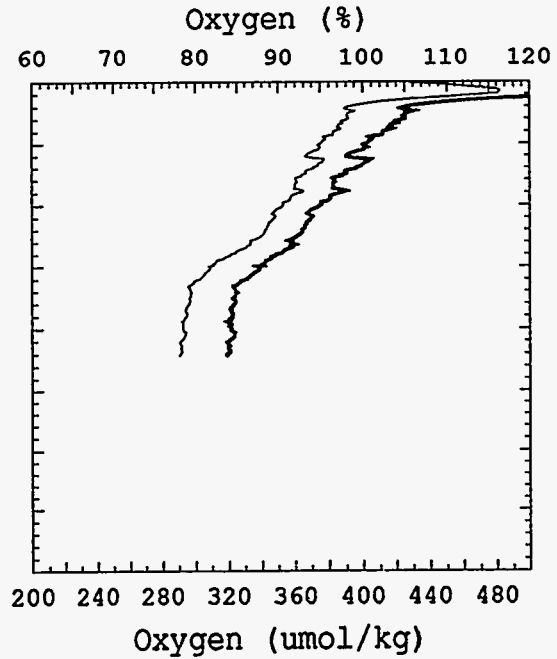
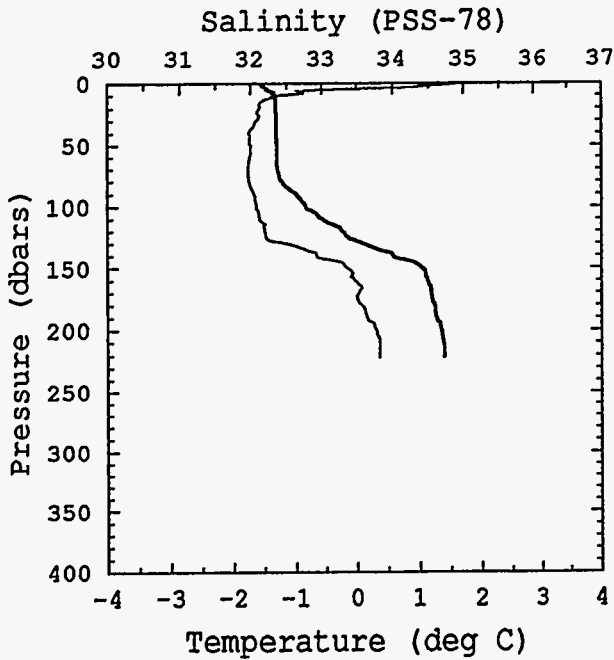
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 6 CTD 15
BOTTOM DEPTH= 260



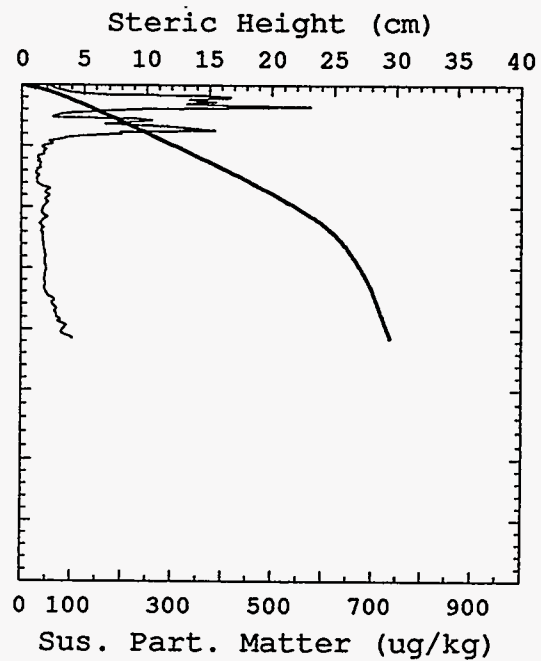
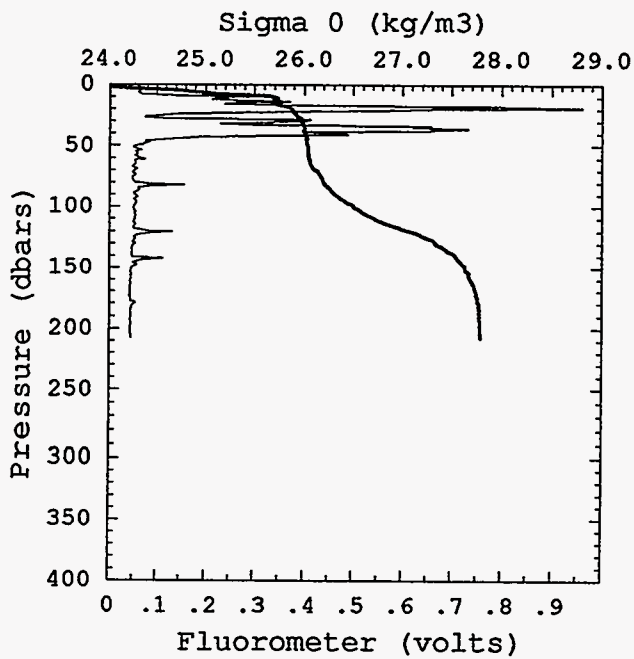
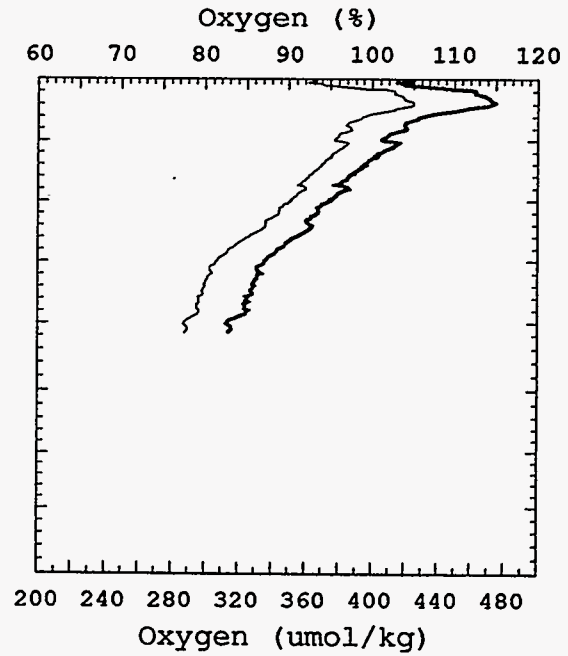
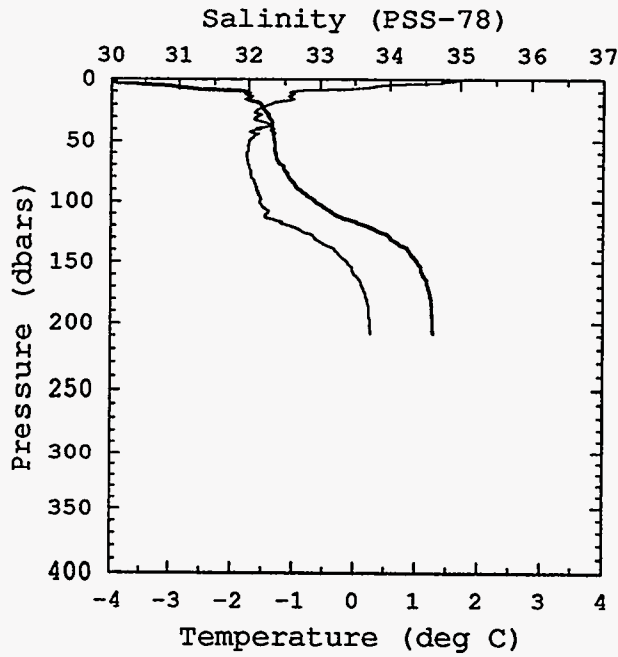
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 7 CTD 16
BOTTOM DEPTH= 222



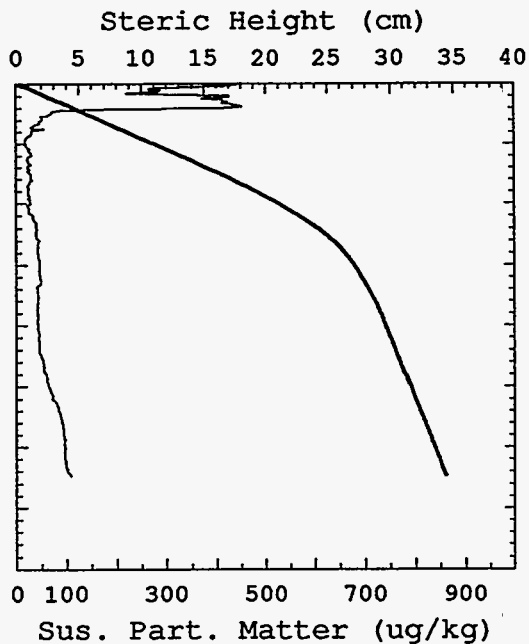
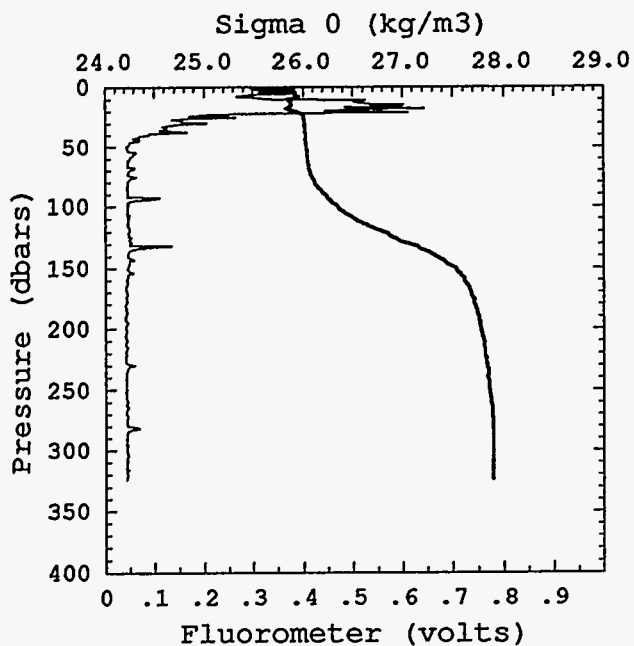
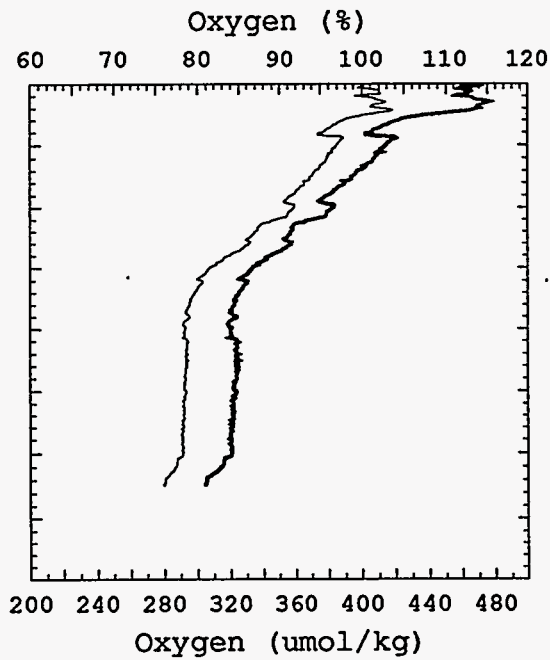
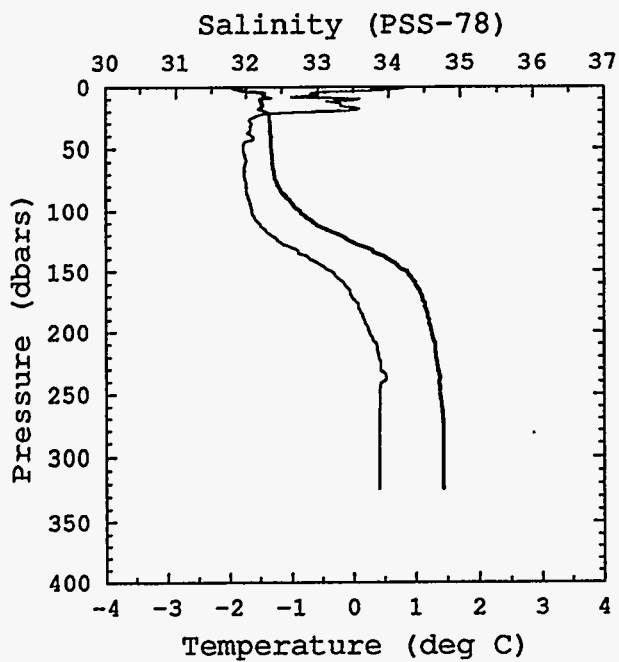
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 8 CTD 17
BOTTOM DEPTH= 208



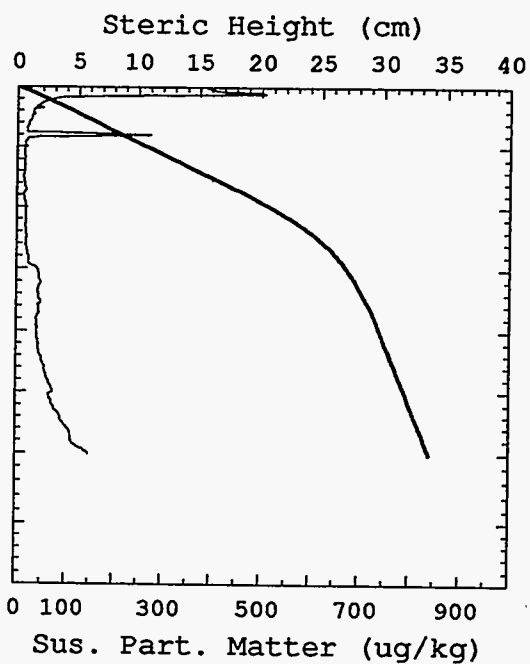
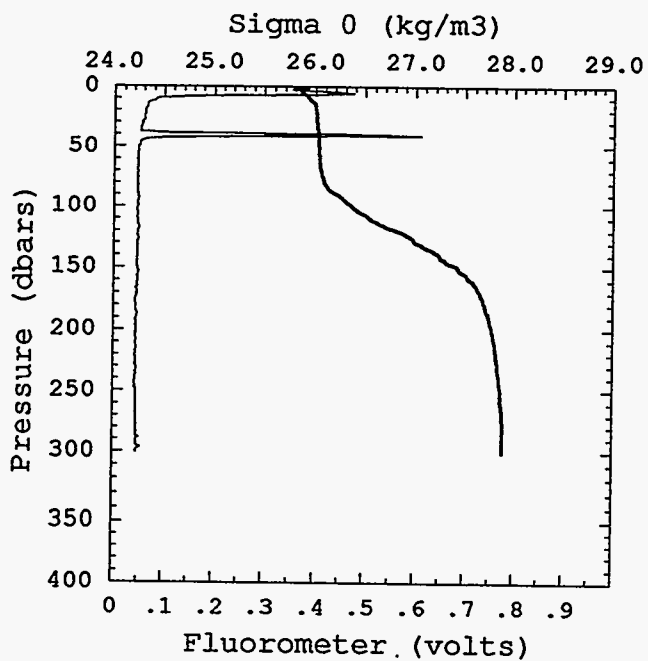
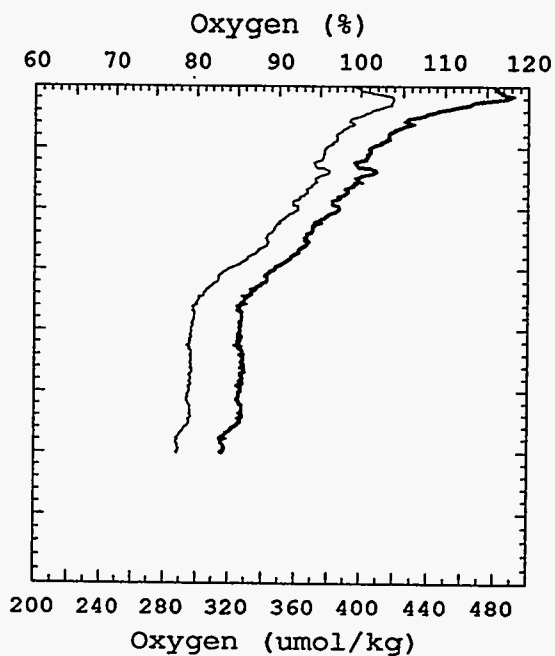
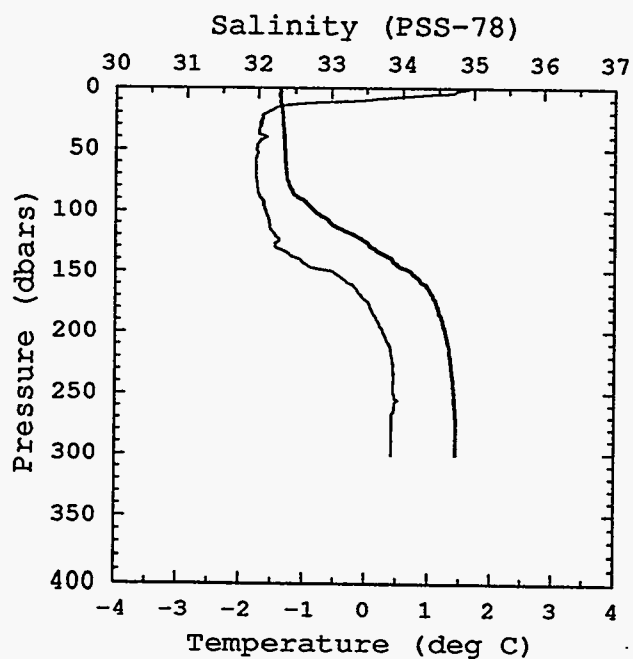
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 9 CTD 18
BOTTOM DEPTH= 324



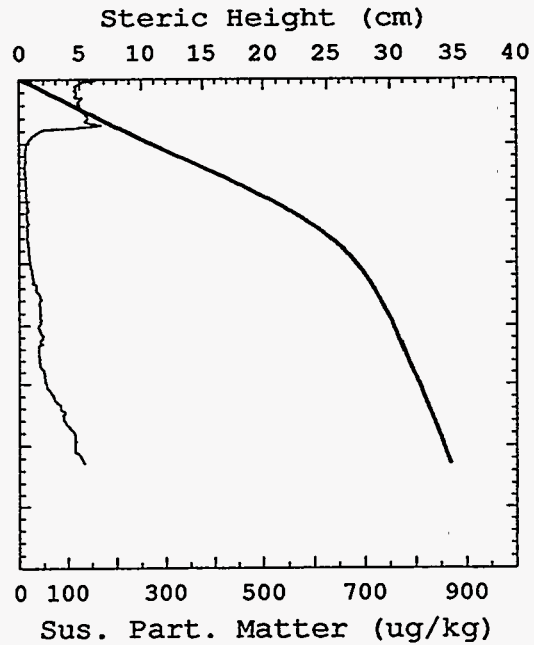
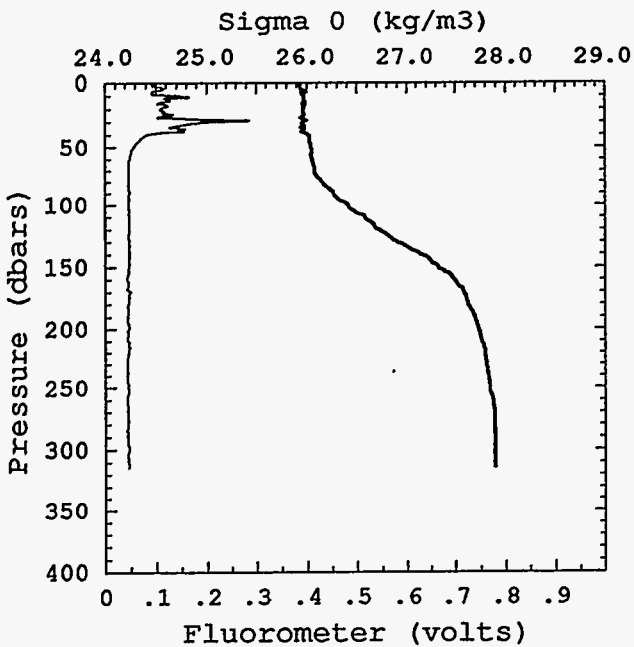
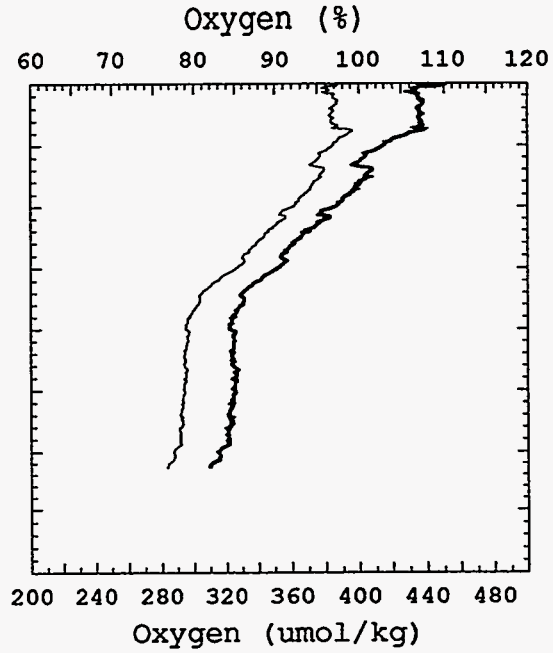
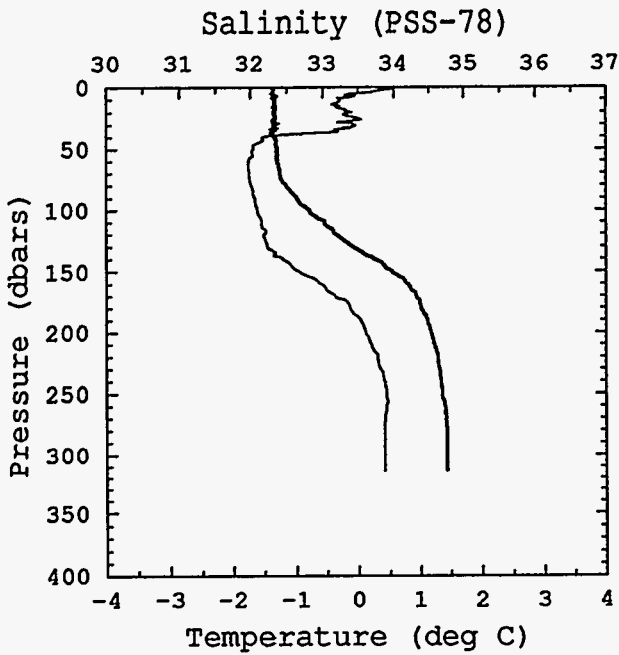
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 10 CTD 19
BOTTOM DEPTH= 301



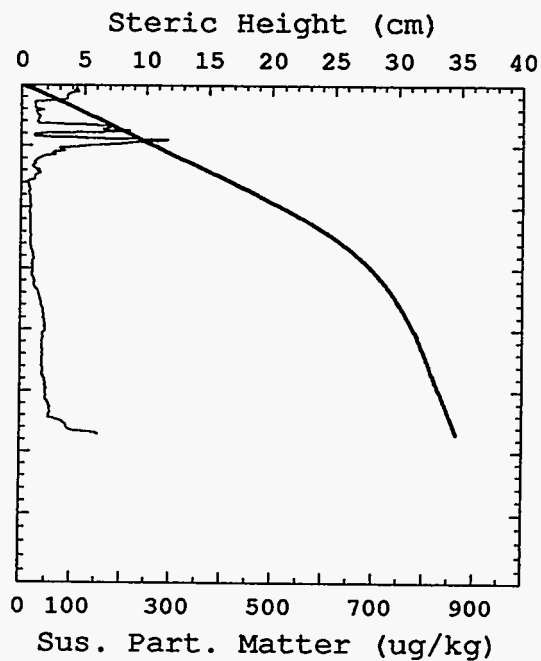
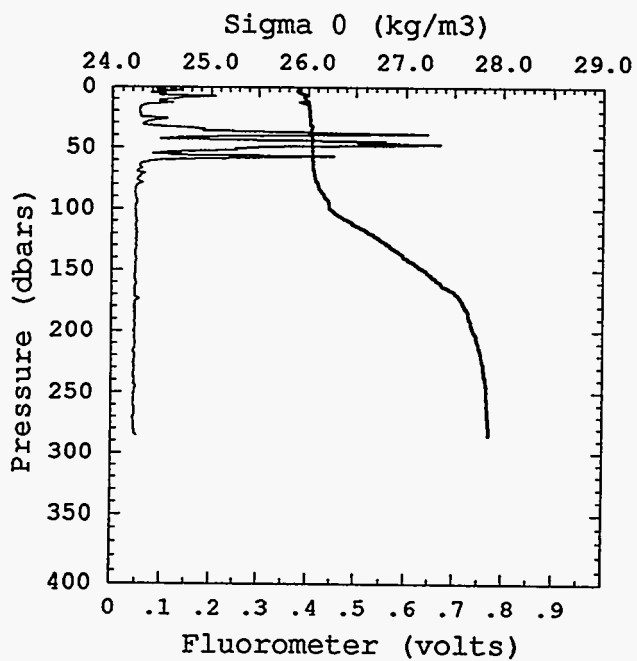
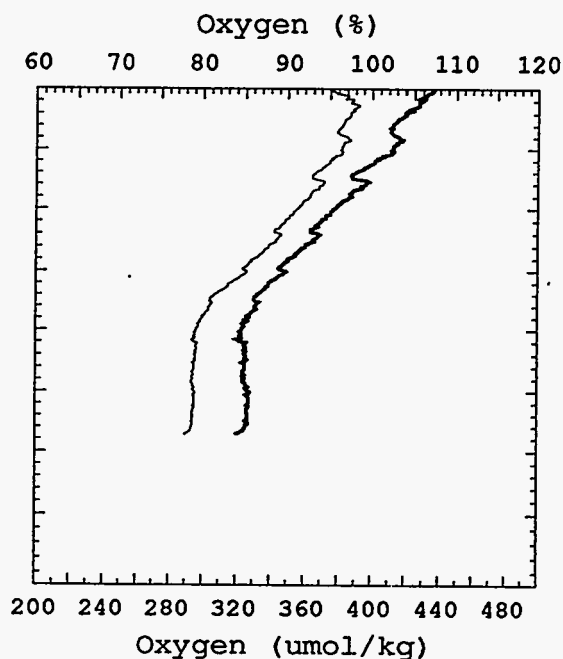
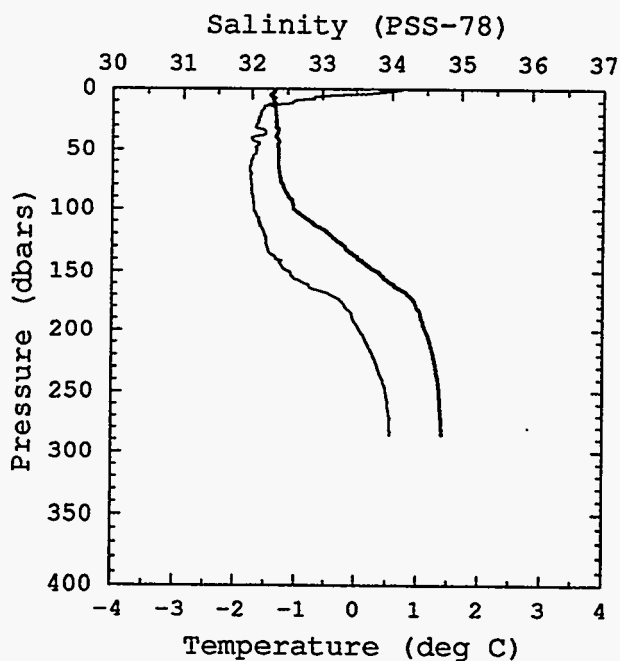
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 11 CTD 20
BOTTOM DEPTH= 314



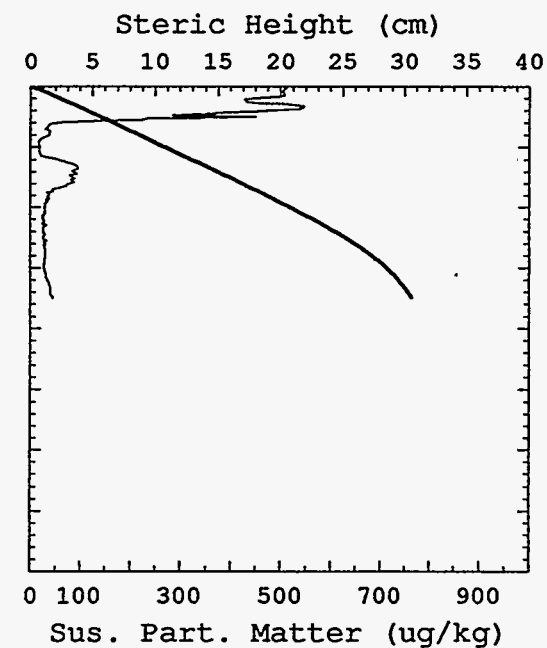
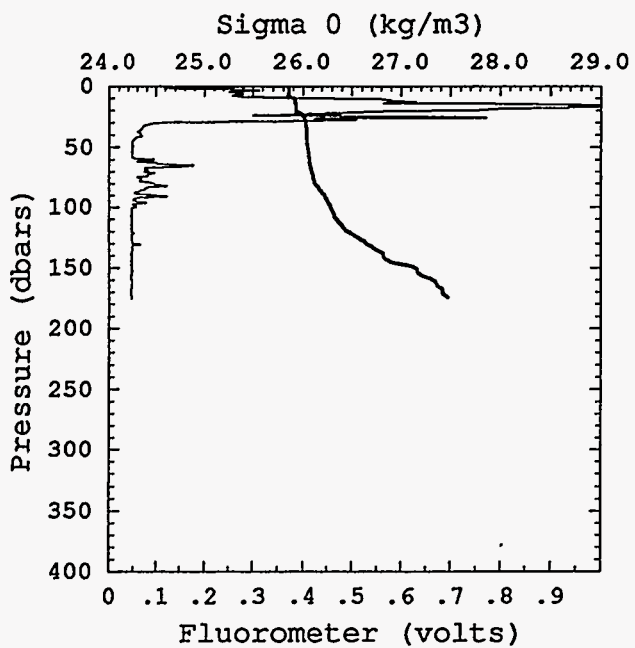
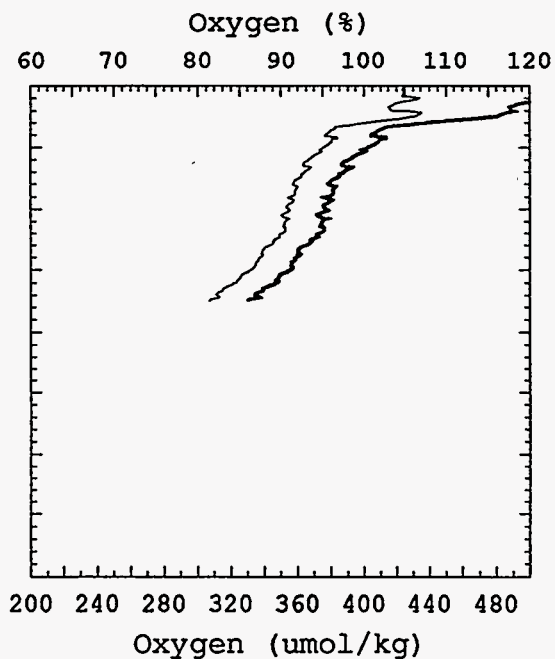
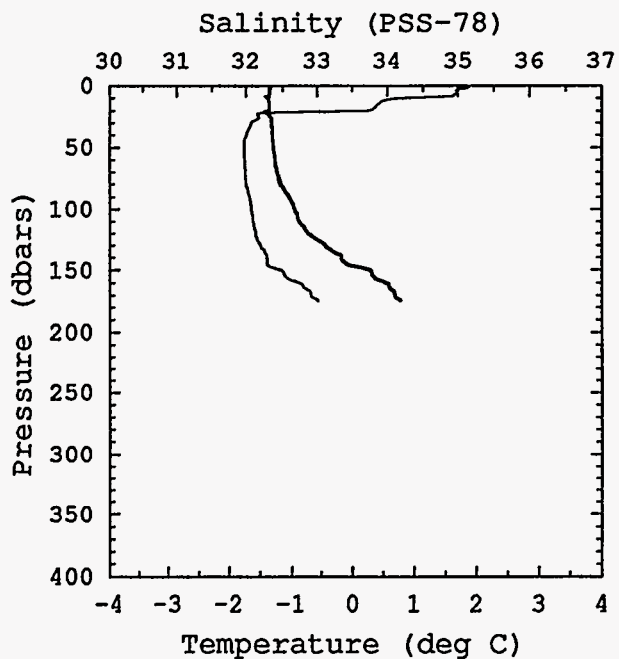
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 12 CTD 21
BOTTOM DEPTH= 286



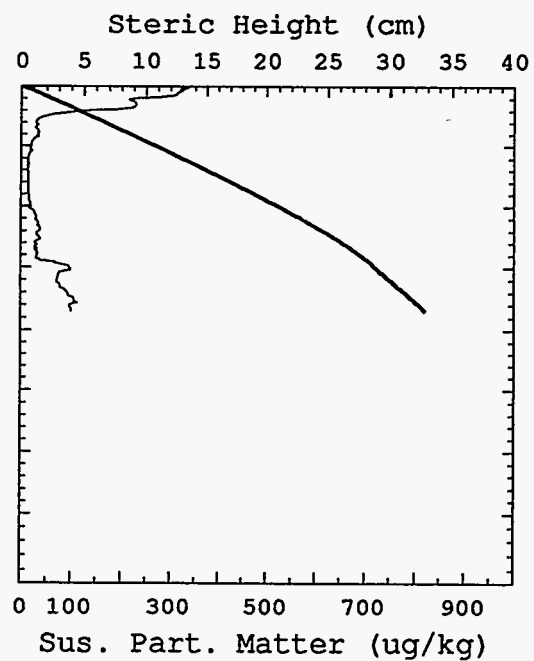
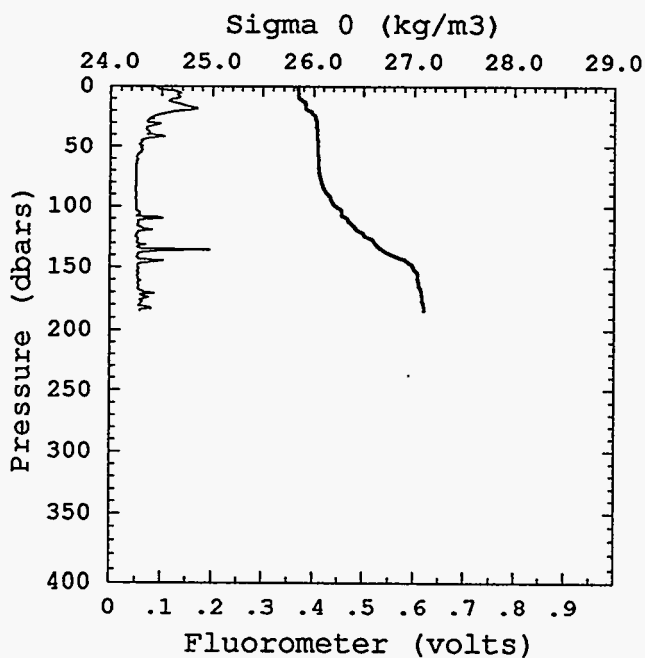
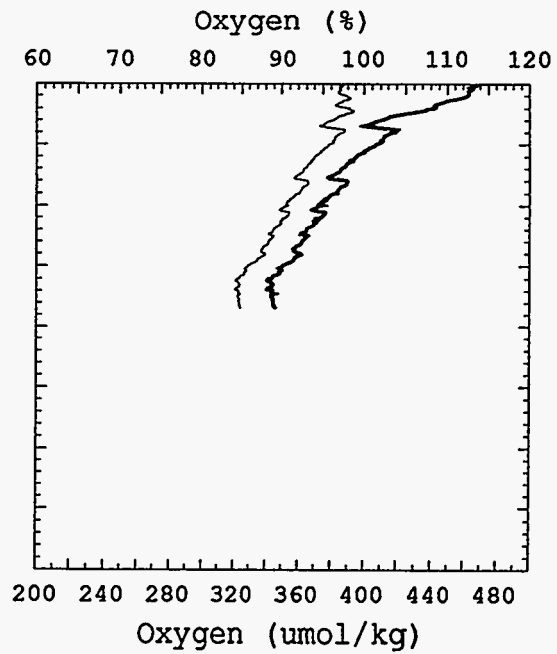
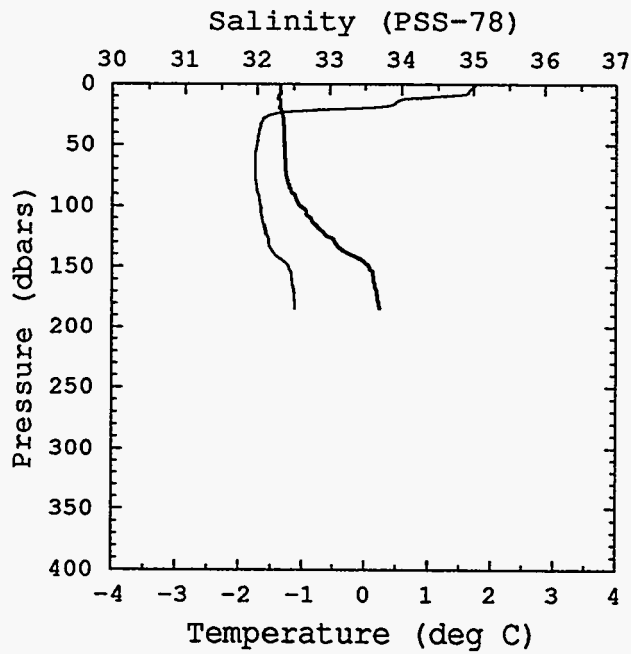
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 13 CTD 22
BOTTOM DEPTH= 175



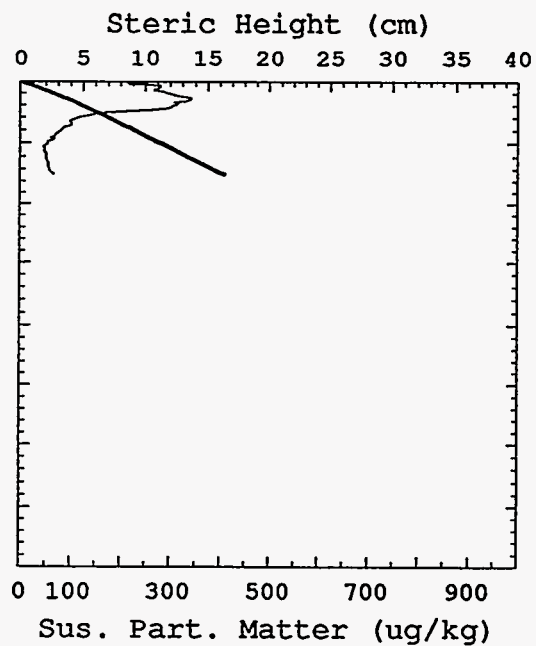
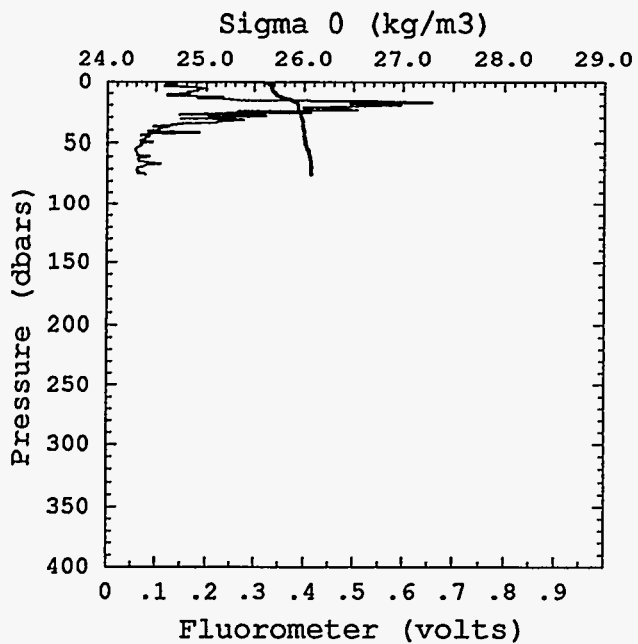
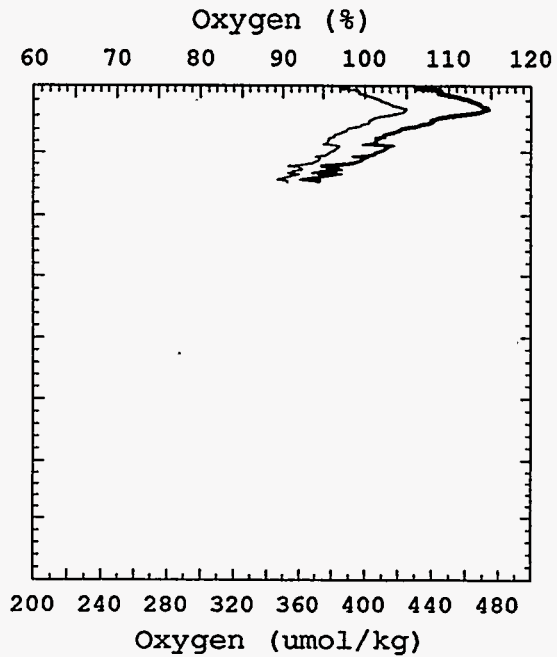
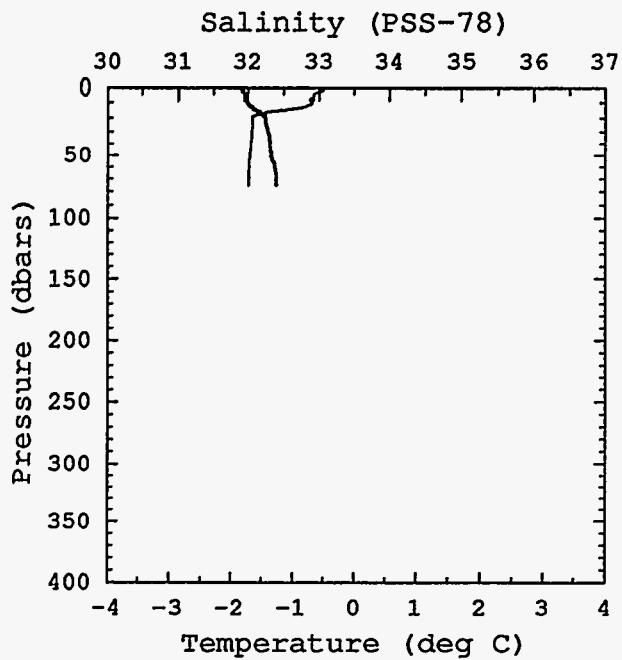
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 14 CTD 23
BOTTOM DEPTH= 185



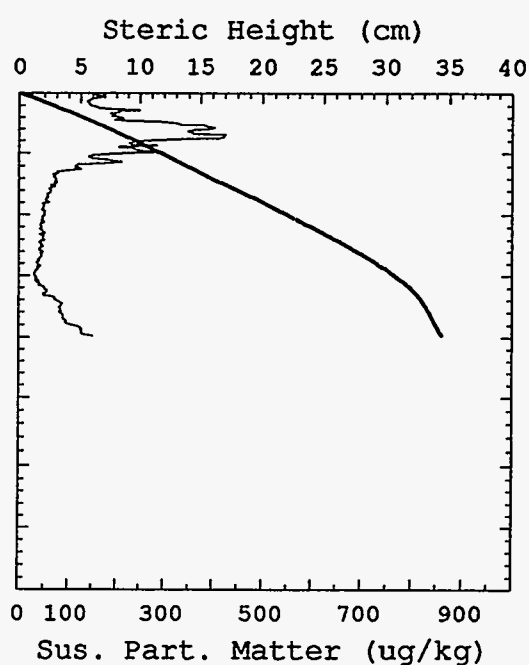
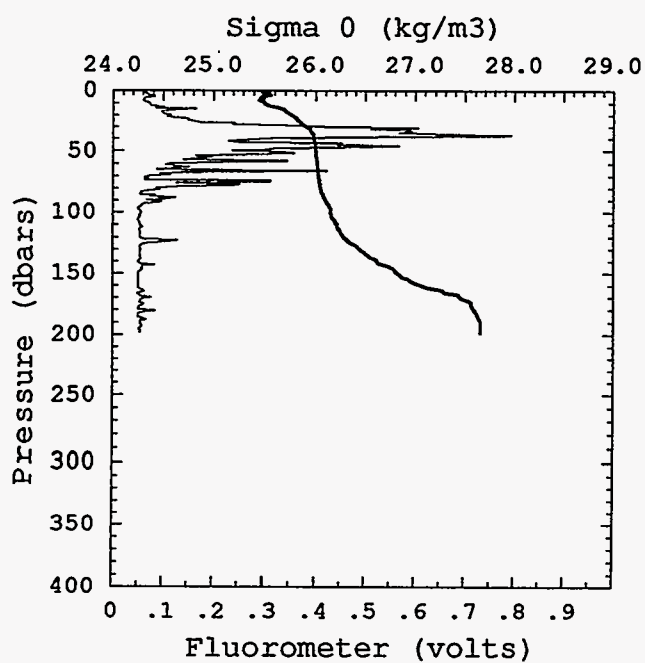
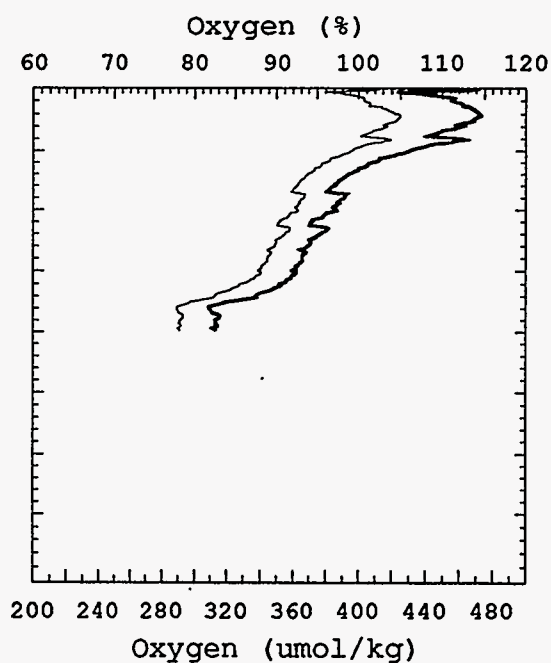
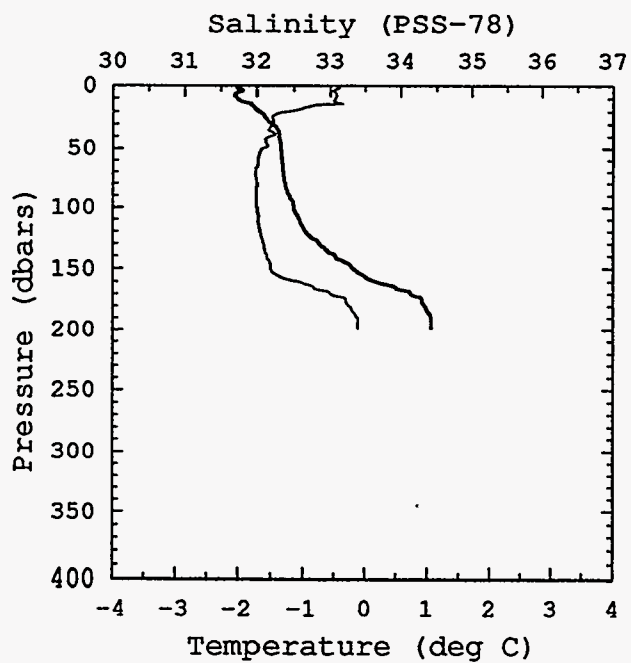
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 15 CTD 24
BOTTOM DEPTH= 75



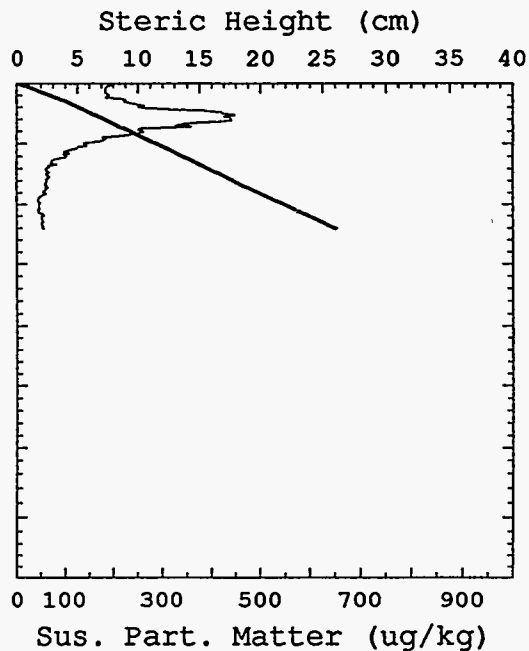
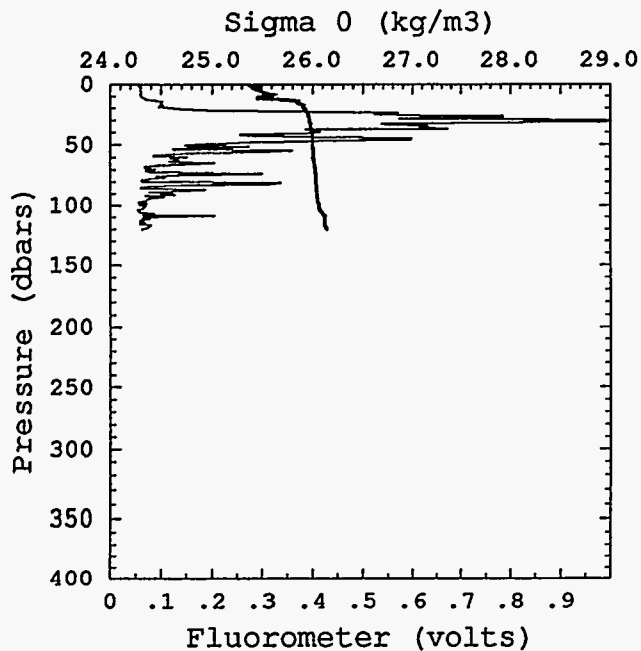
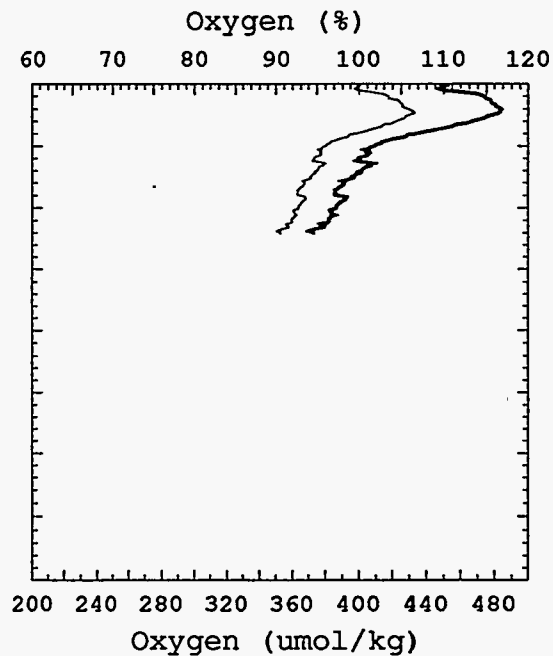
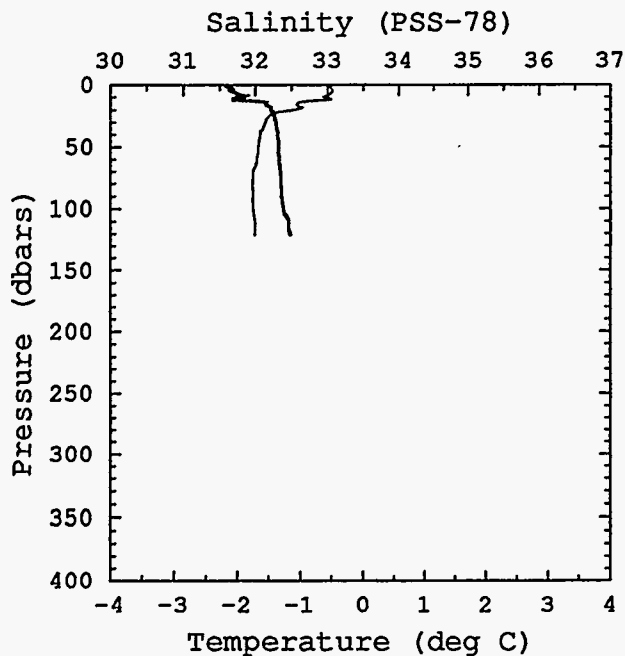
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 16 CTD 25
BOTTOM DEPTH= 199



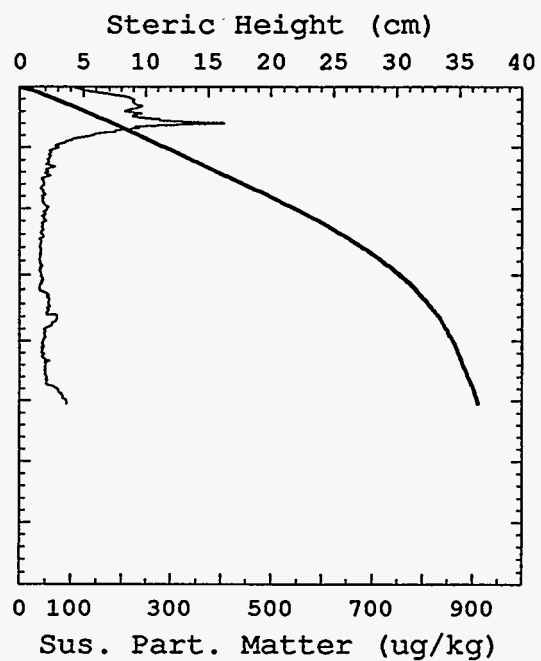
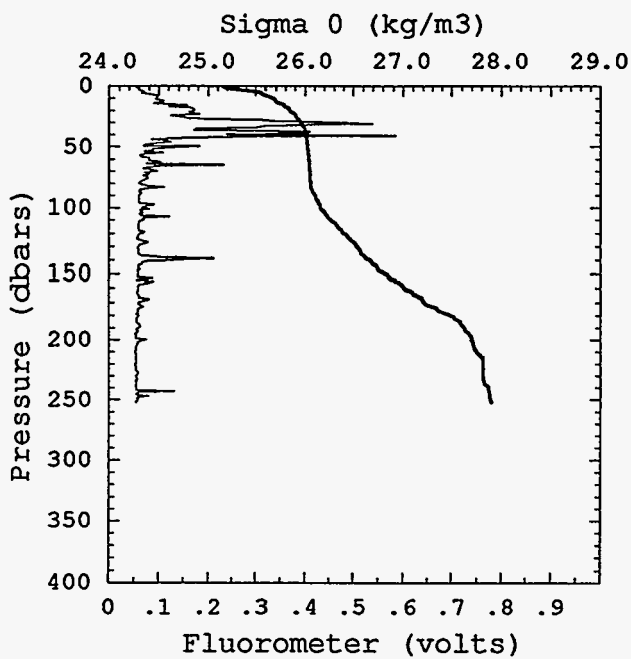
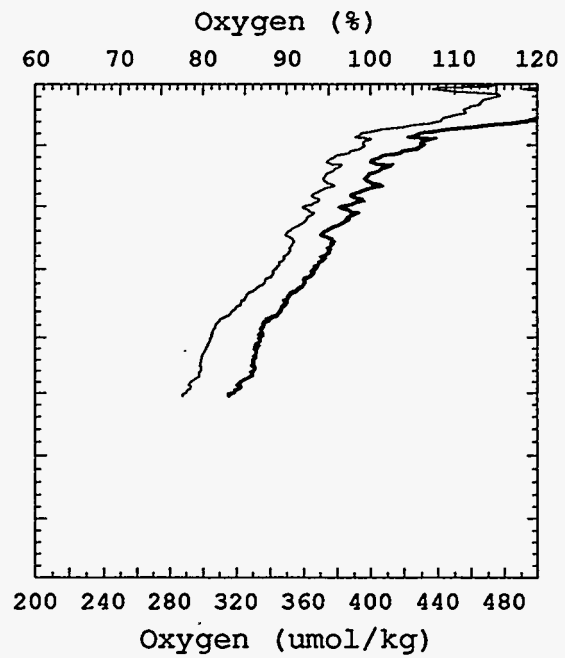
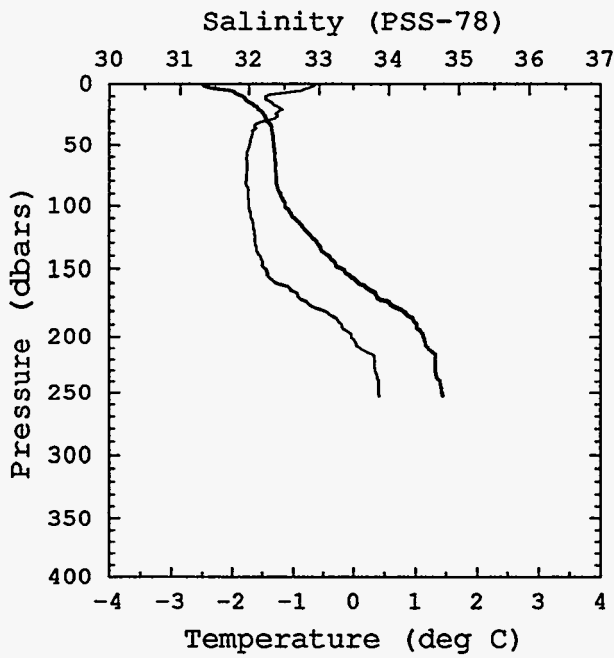
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 17 CTD 26
BOTTOM DEPTH= 121



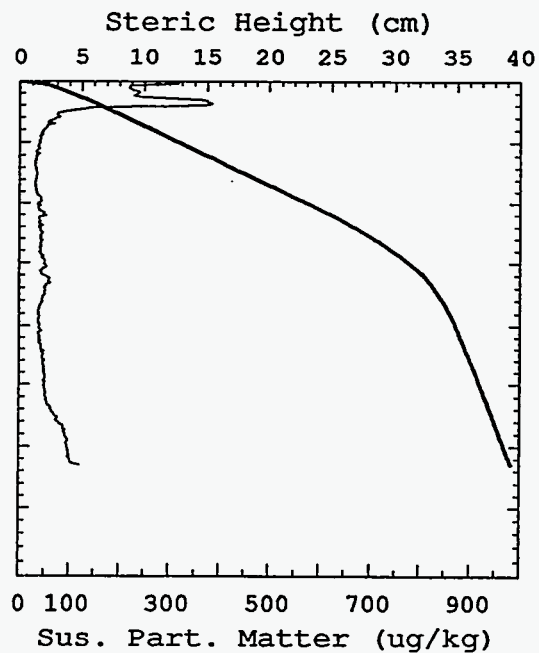
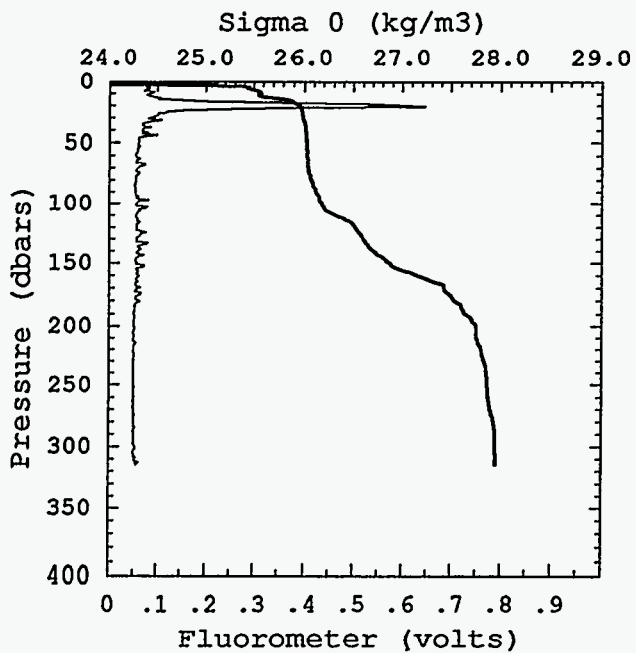
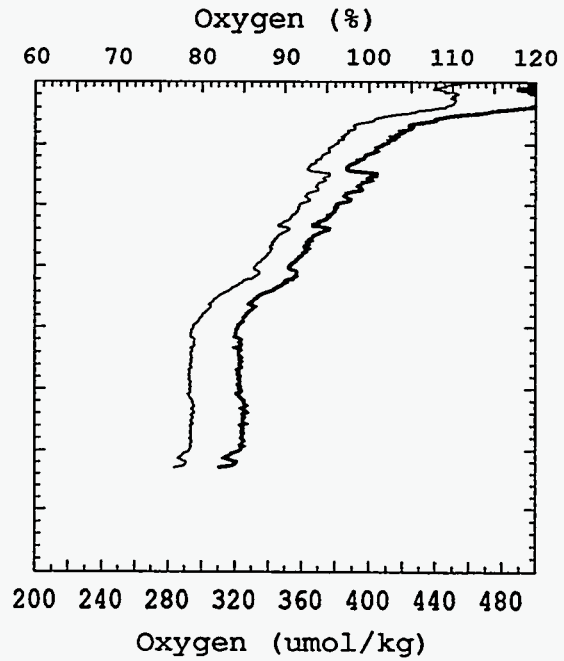
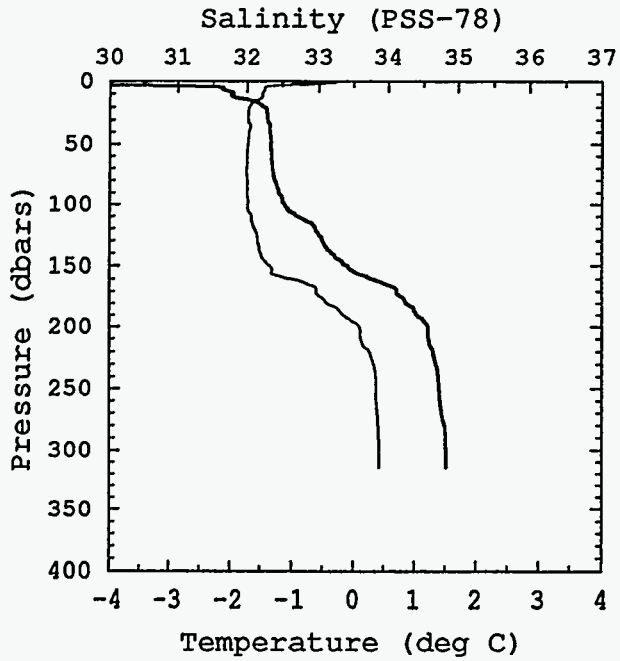
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 18 CTD 27
BOTTOM DEPTH= 253



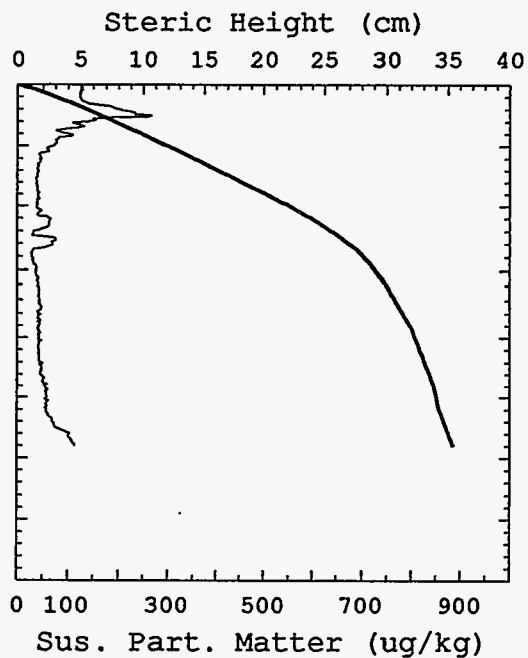
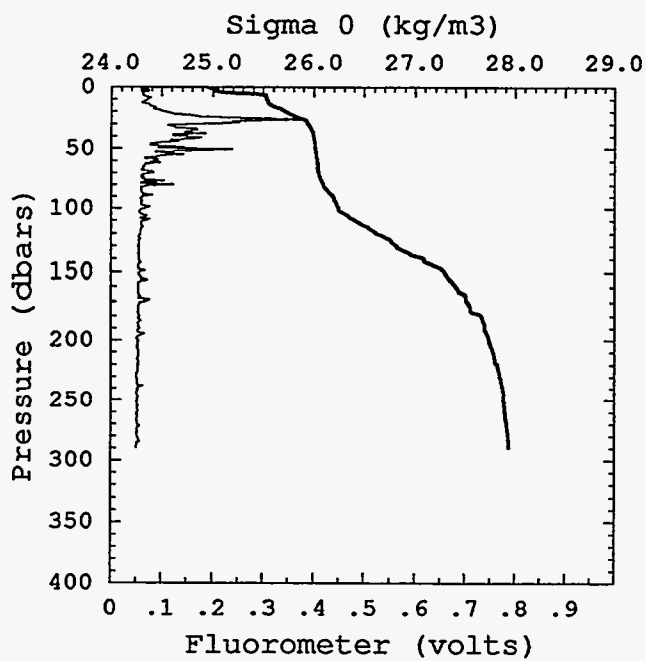
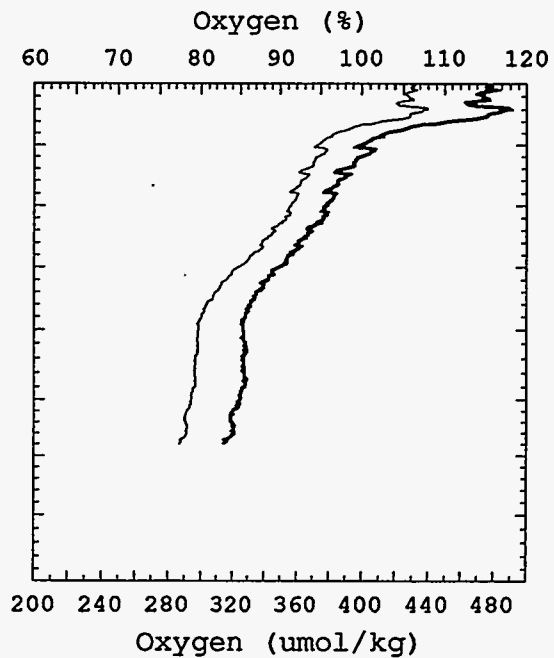
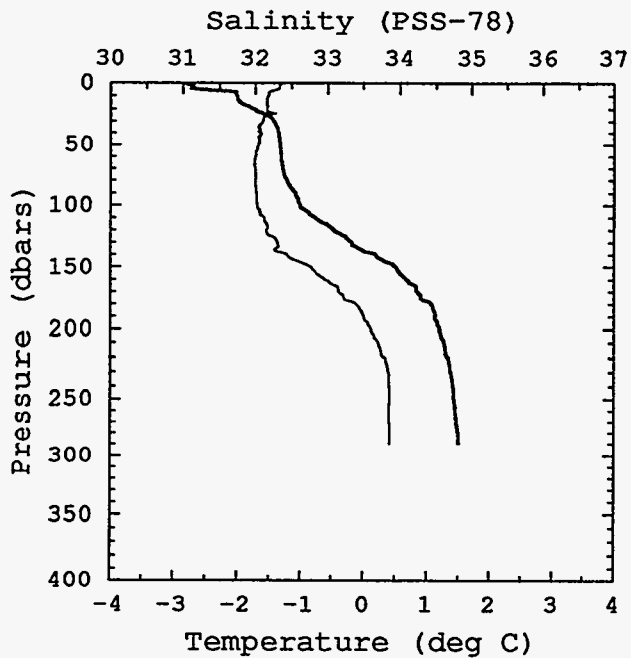
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 19 CTD 28
BOTTOM DEPTH= 315



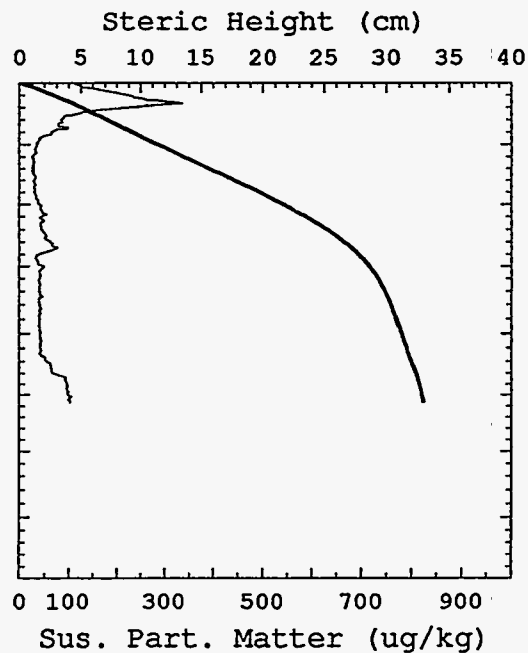
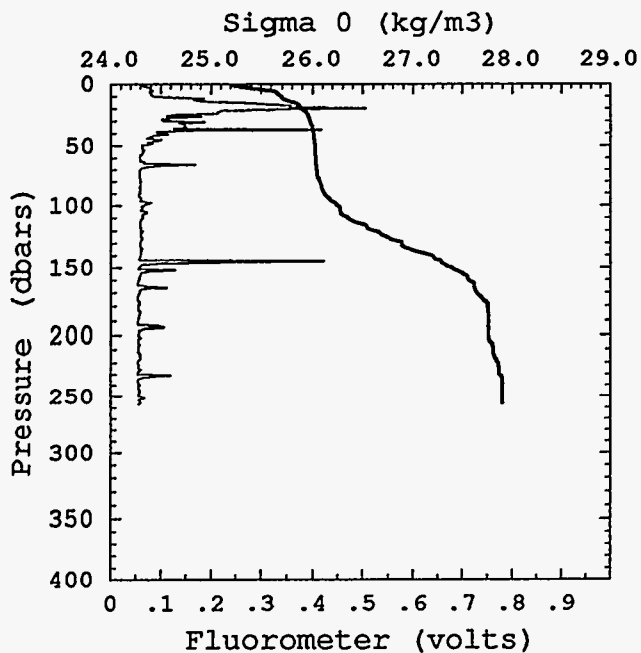
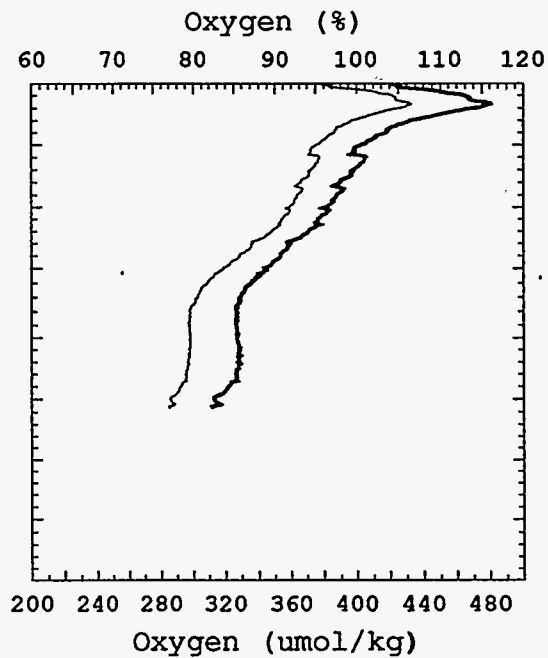
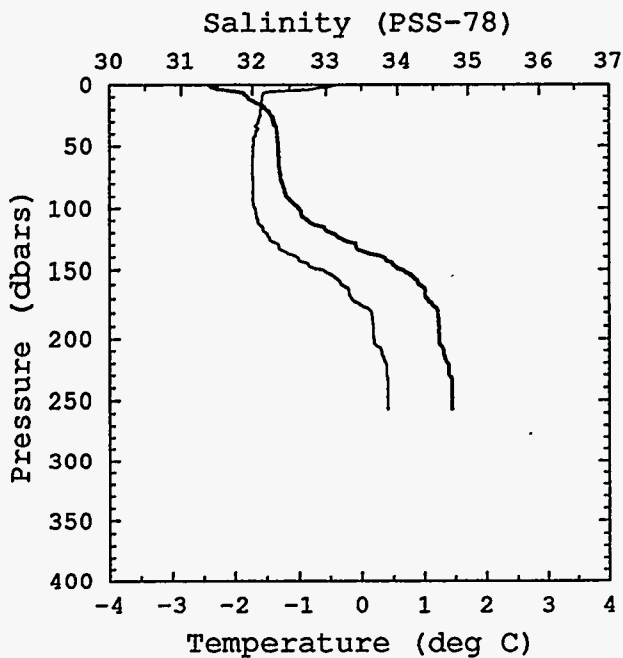
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 20 CTD 29
BOTTOM DEPTH= 290



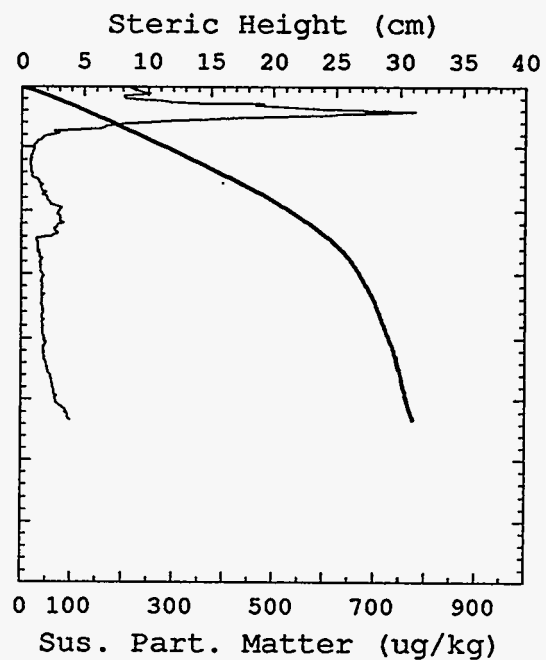
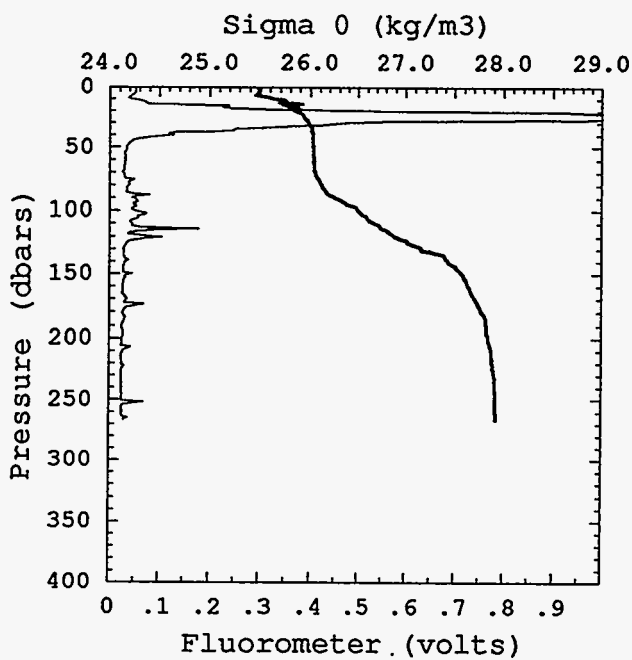
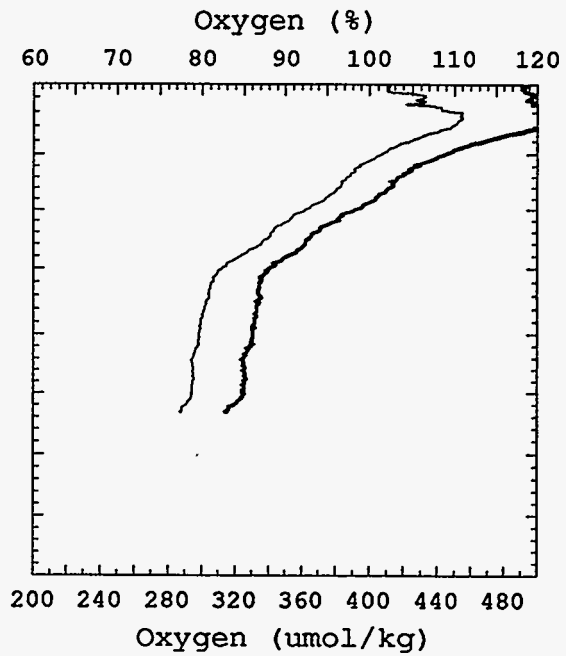
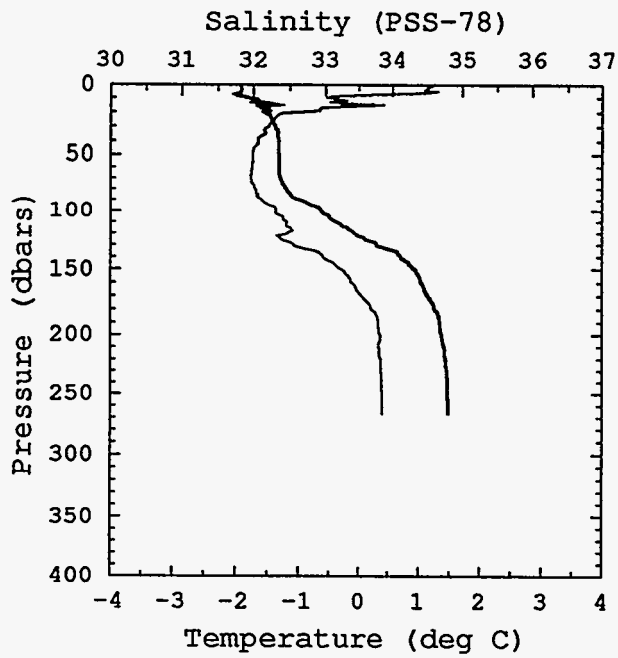
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 21 CTD 30
BOTTOM DEPTH= 257



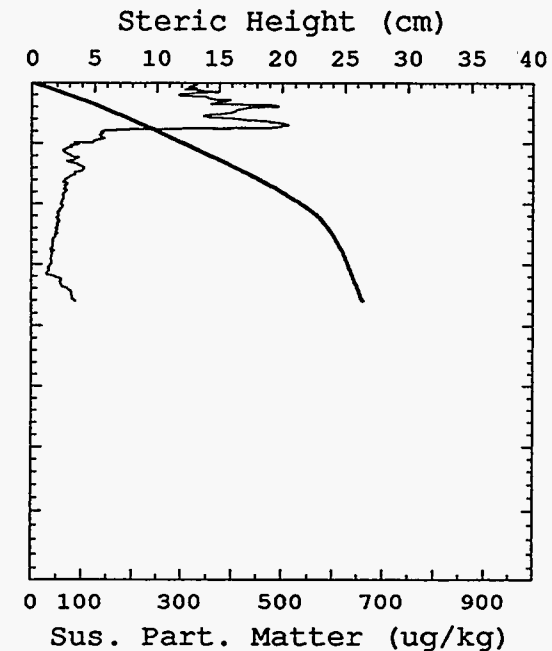
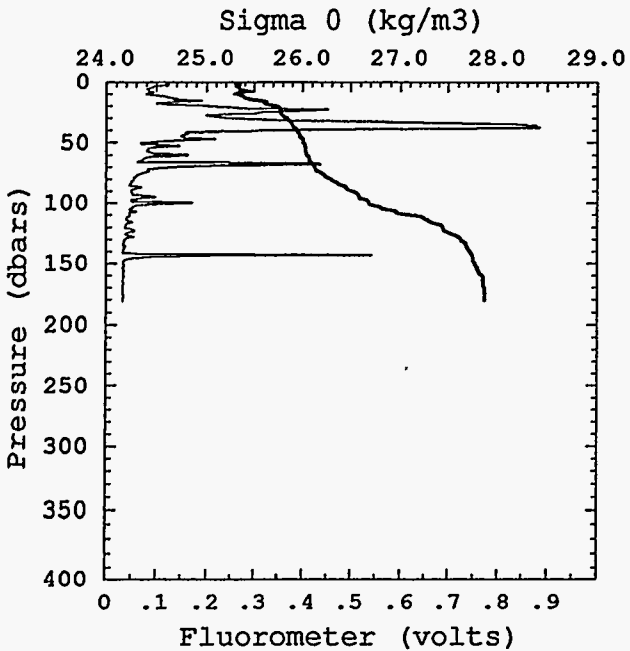
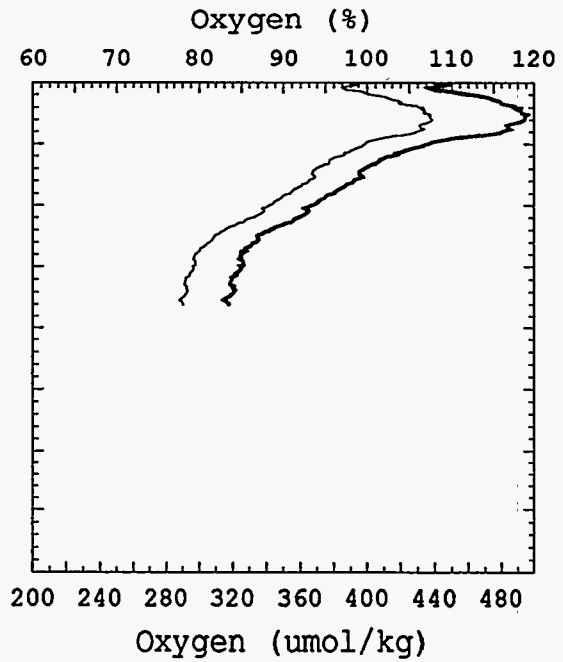
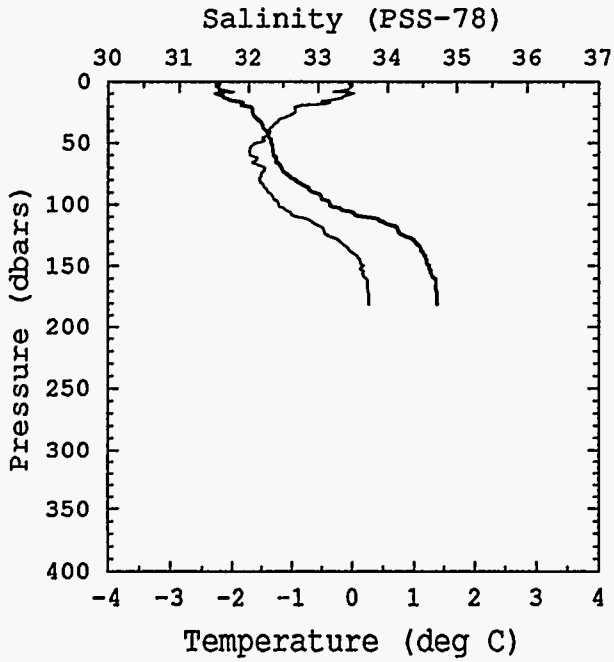
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 22 CTD 31
BOTTOM DEPTH= 267



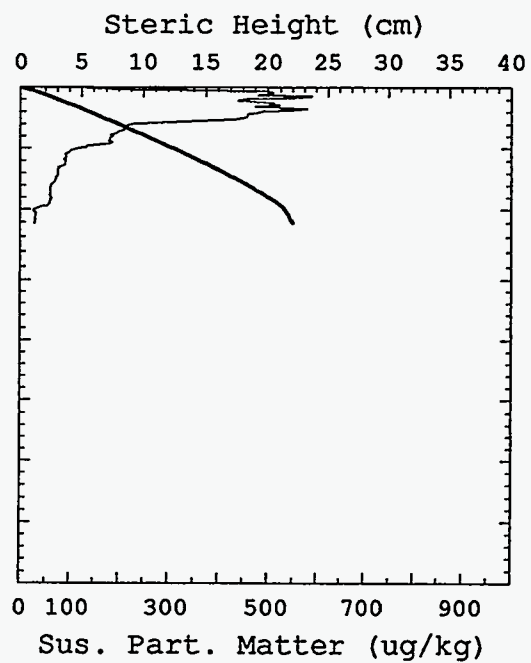
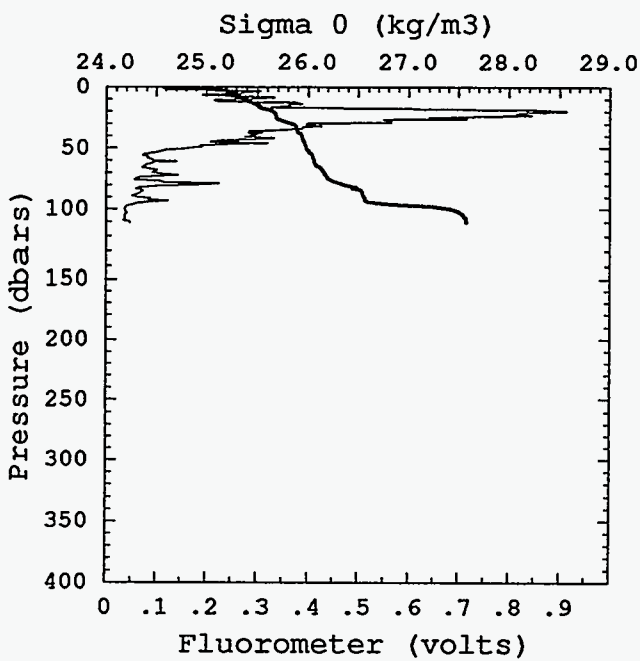
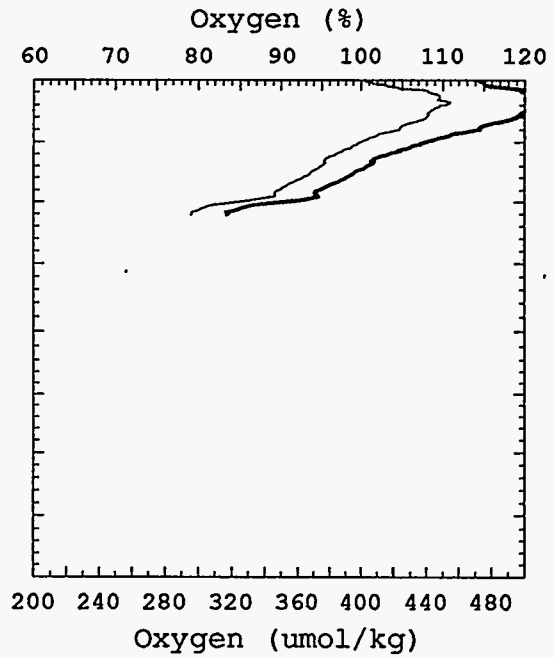
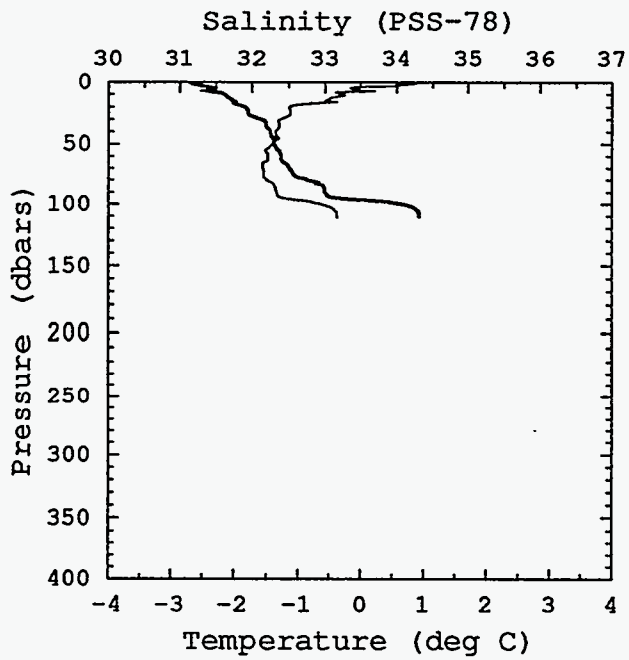
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 23 CTD 32
BOTTOM DEPTH= 181



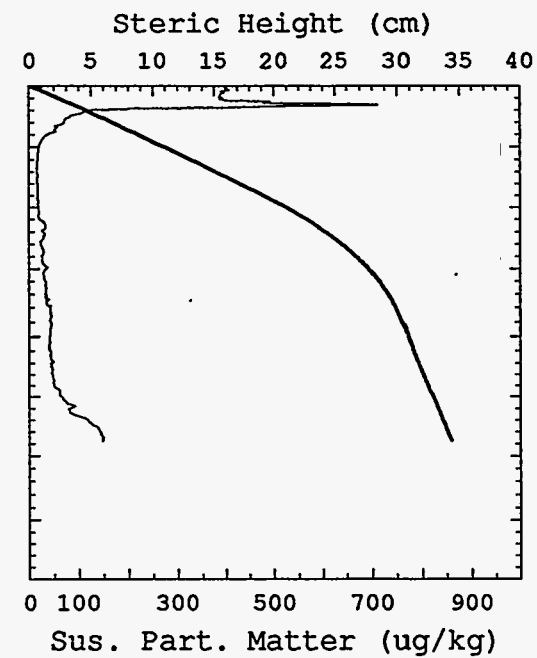
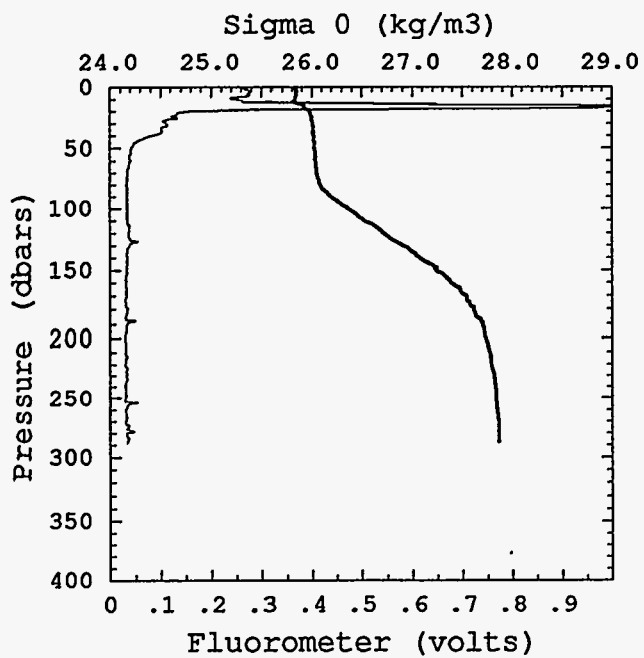
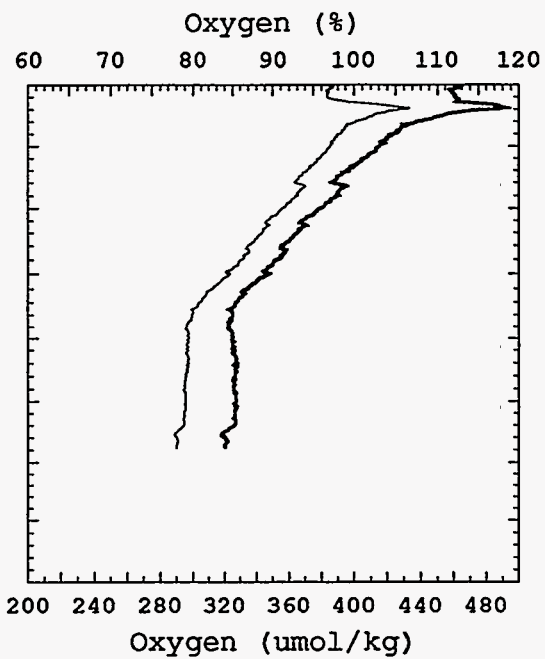
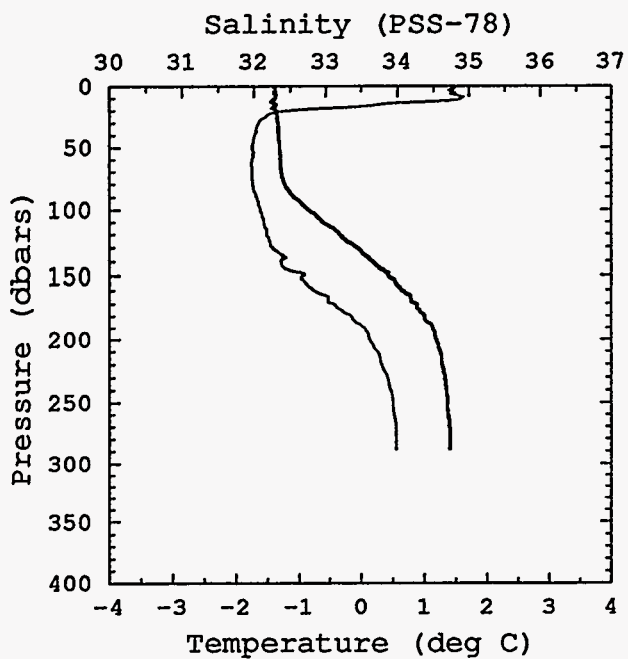
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 24 CTD 33
BOTTOM DEPTH= 111



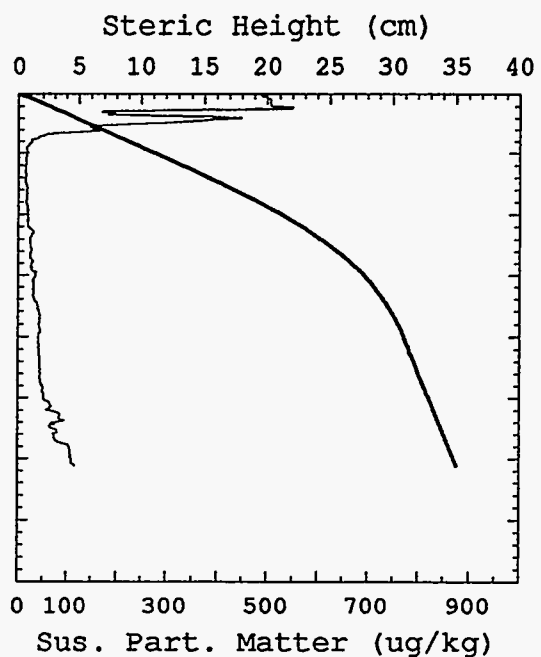
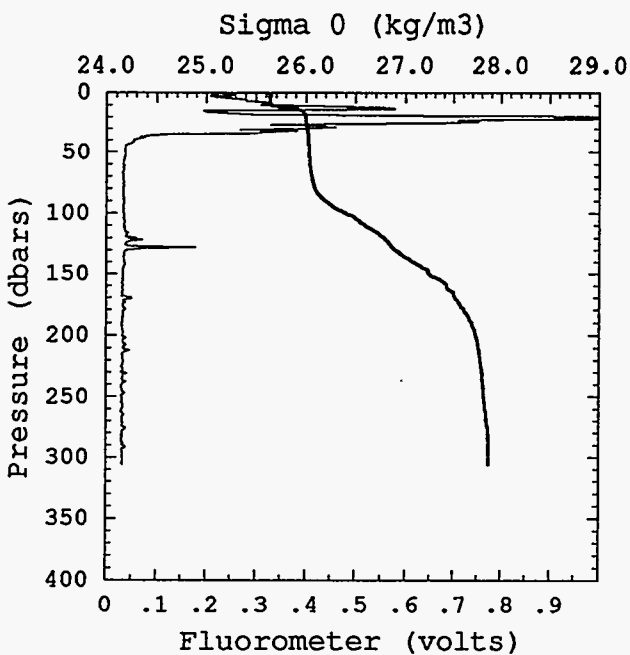
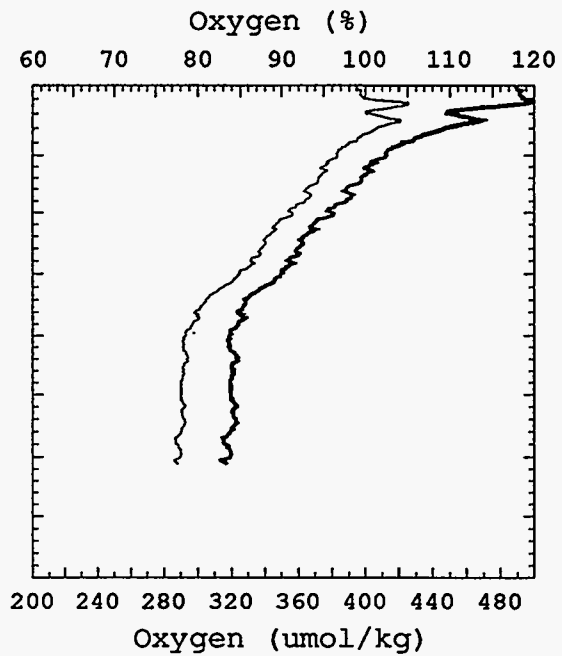
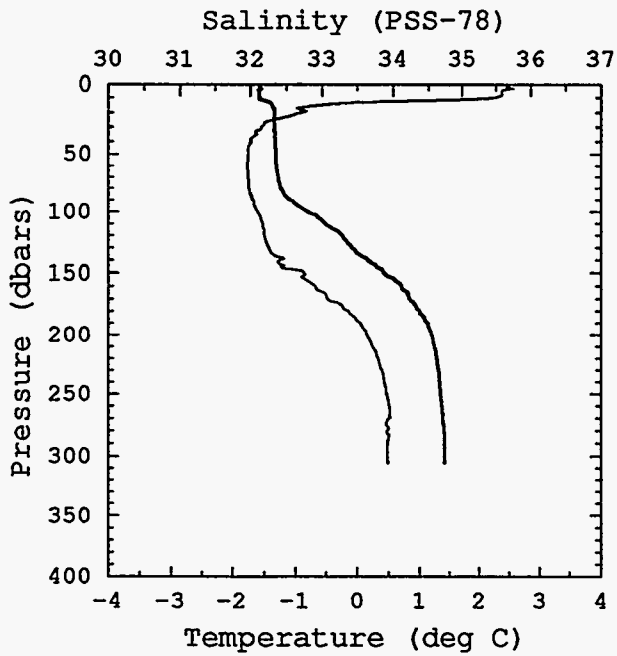
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 25 CTD 34
BOTTOM DEPTH= 288



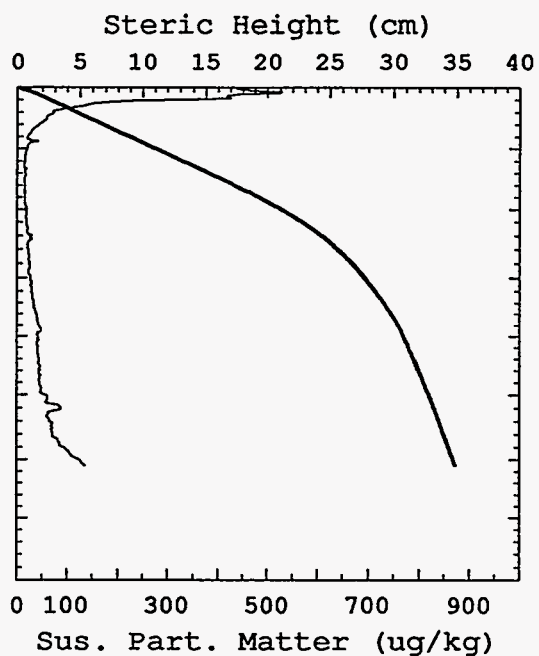
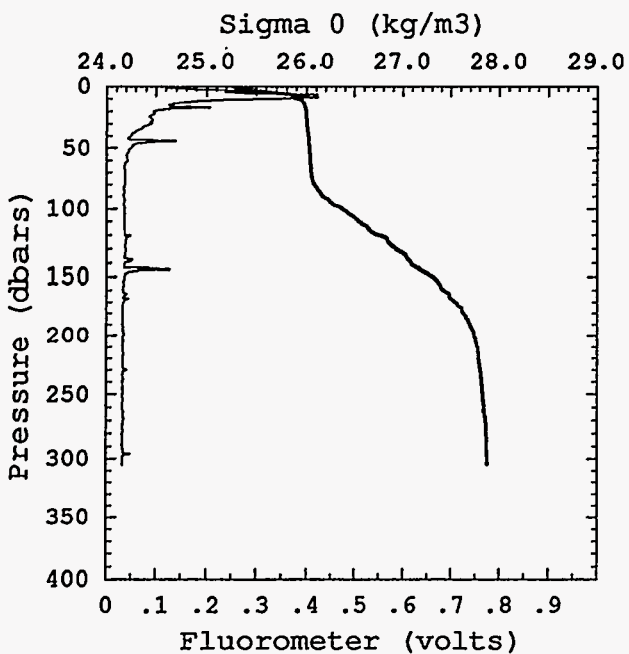
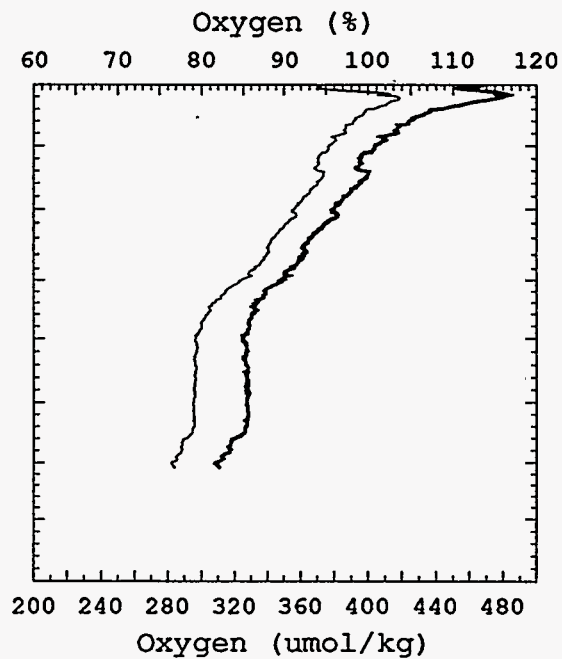
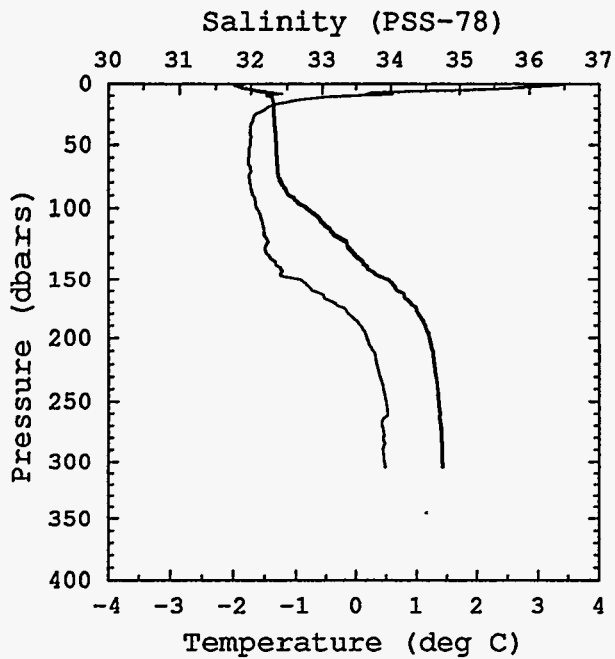
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 25 CTD 35
BOTTOM DEPTH= 306



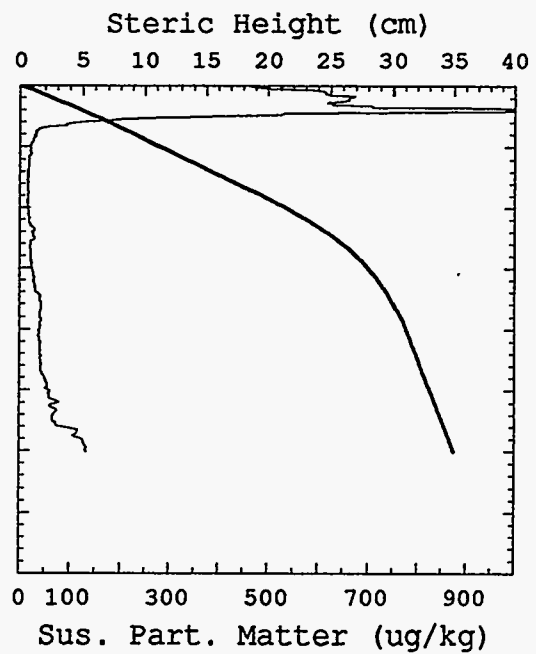
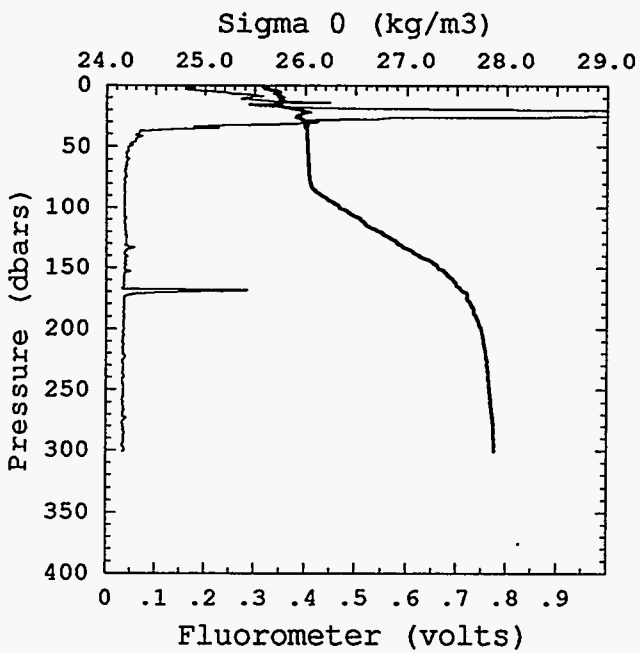
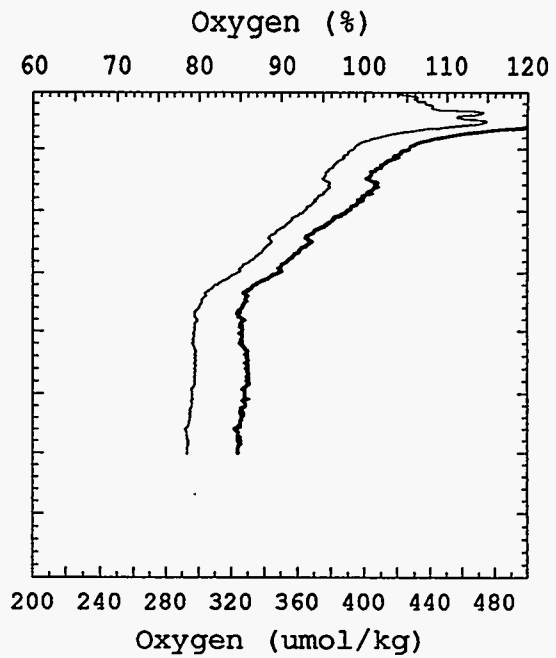
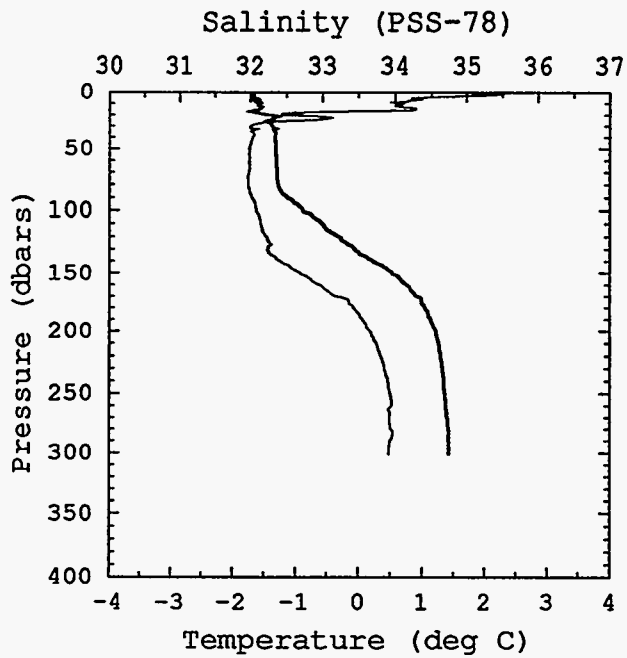
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 25 CTD 36
BOTTOM DEPTH= 305



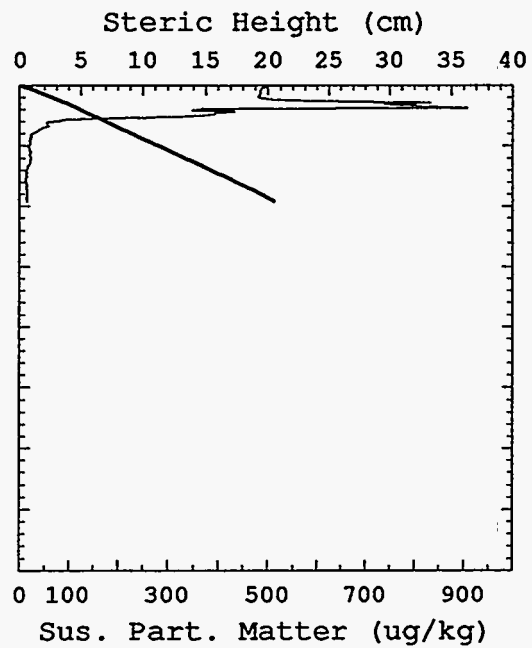
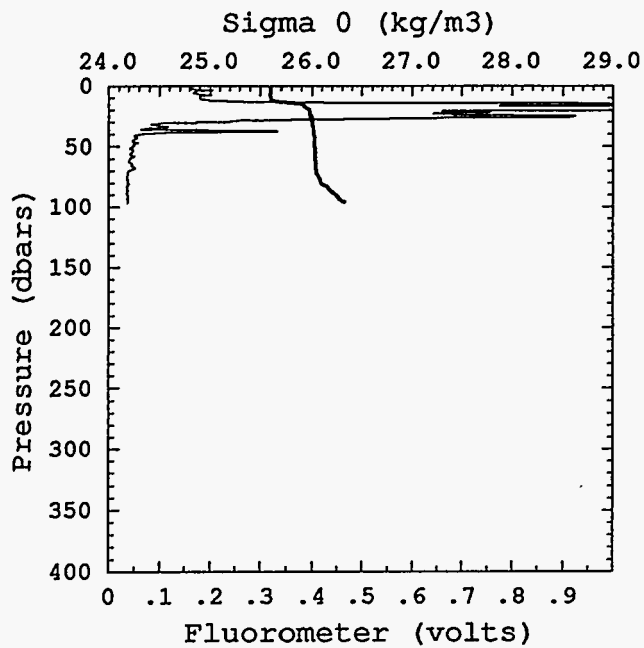
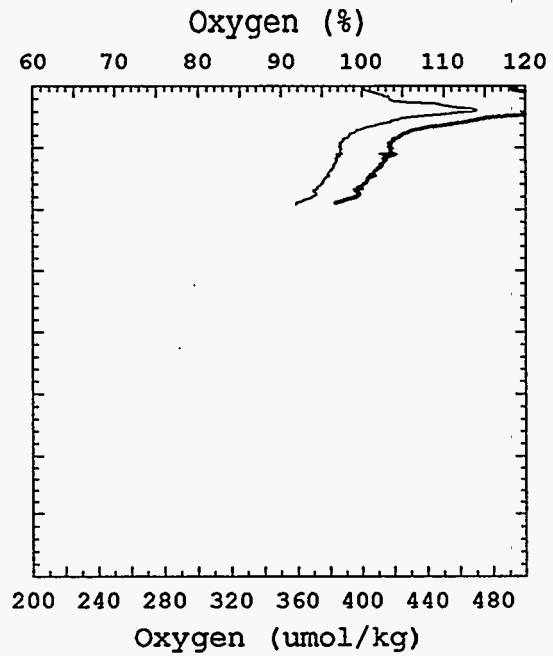
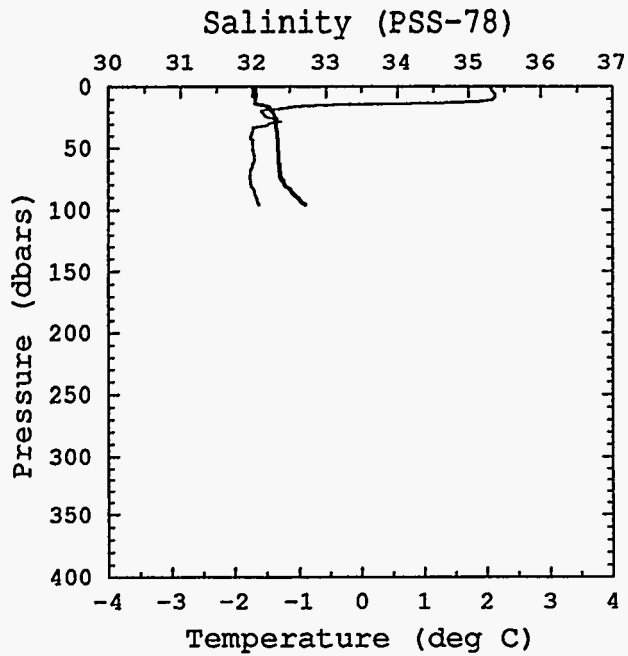
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 25 CTD 37
BOTTOM DEPTH= 301



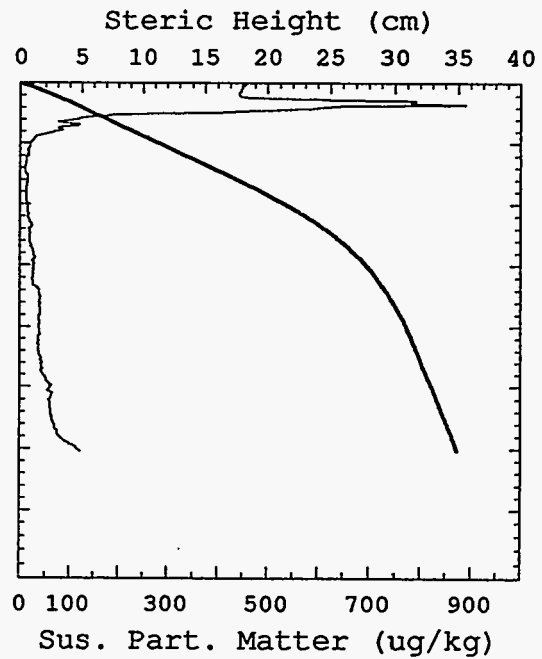
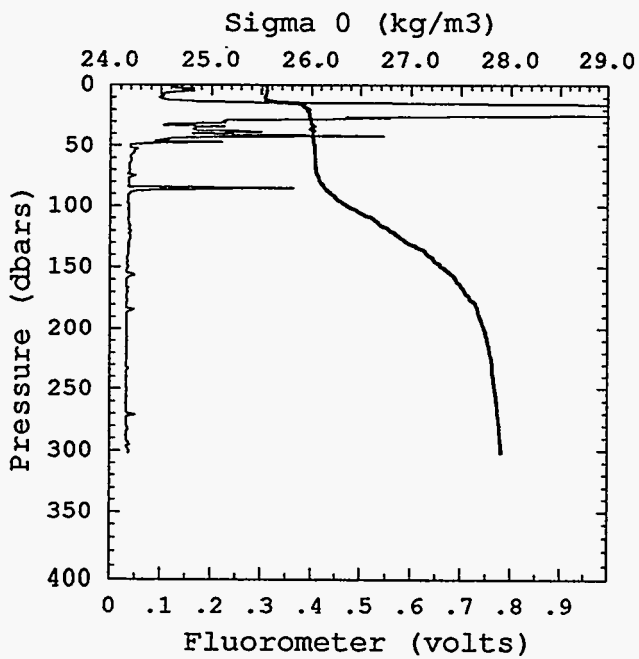
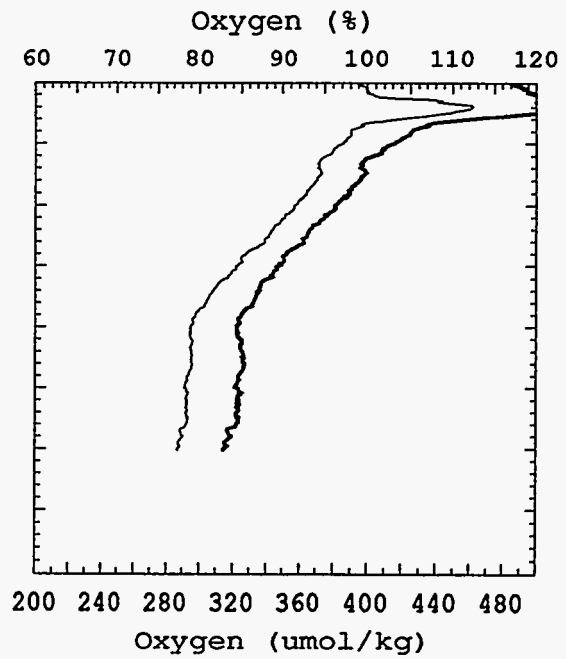
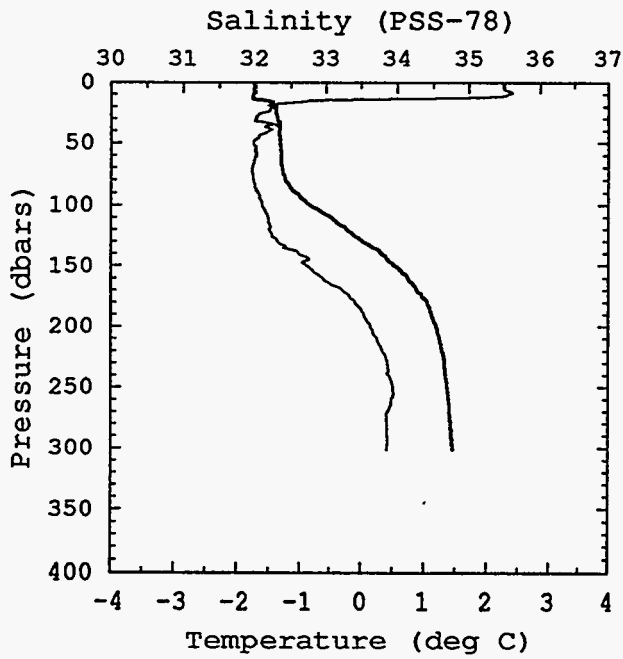
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 25 CTD 38
BOTTOM DEPTH= 96



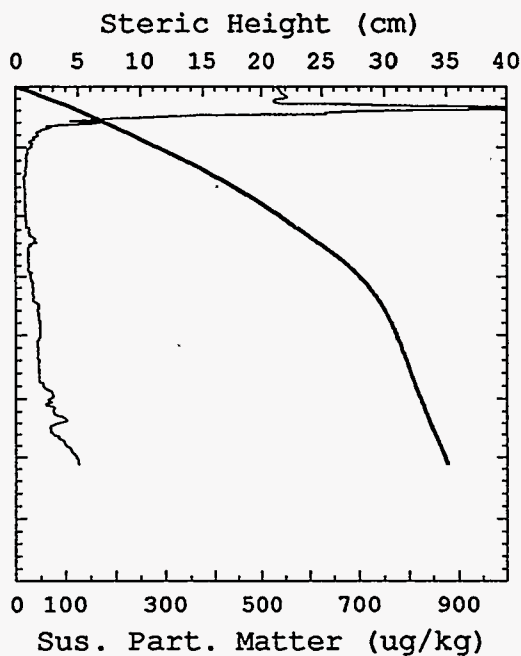
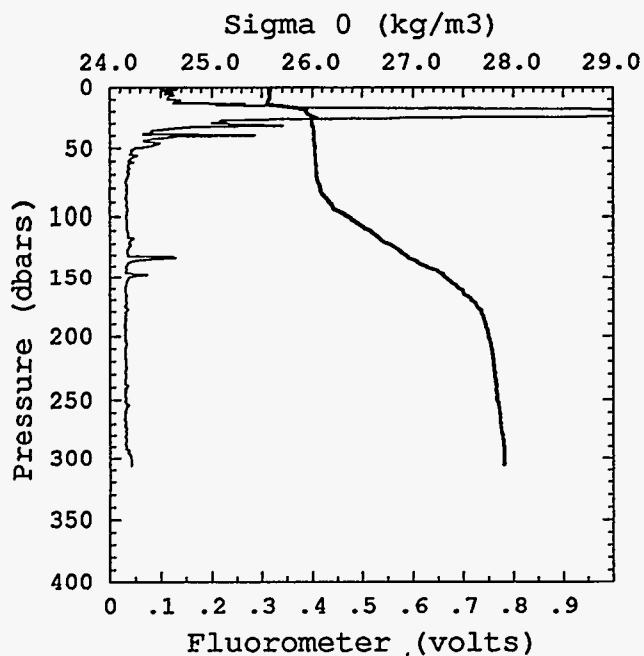
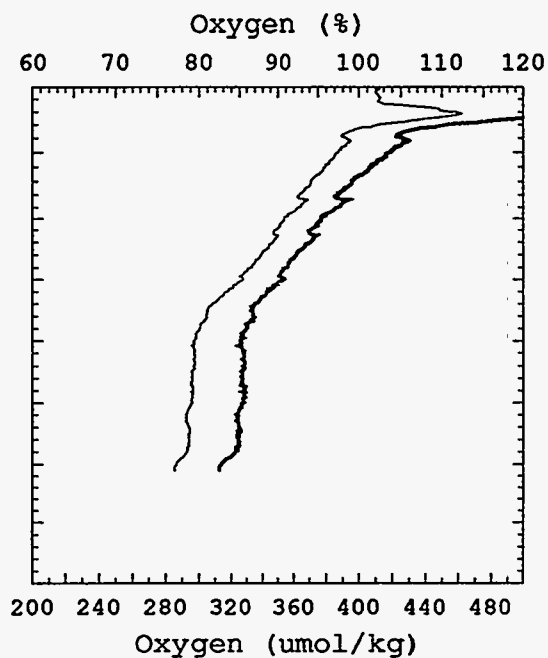
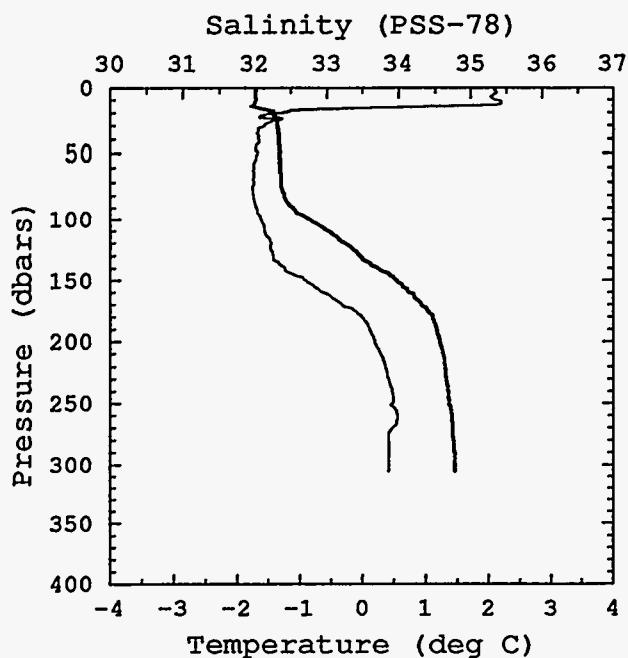
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 25 CTD 39
BOTTOM DEPTH= 302



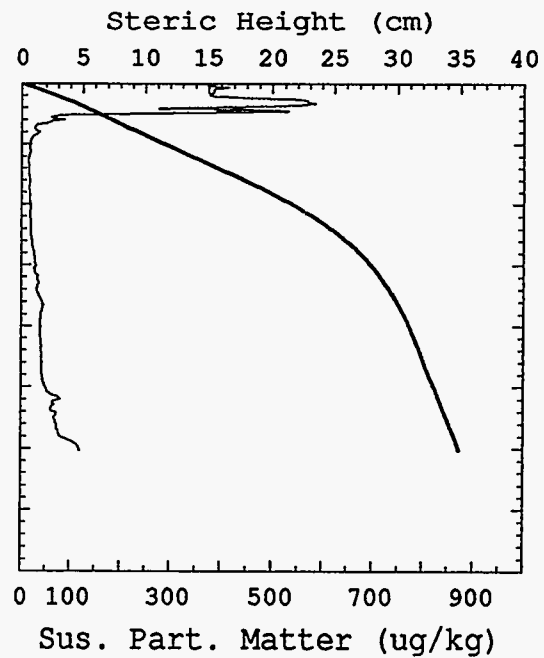
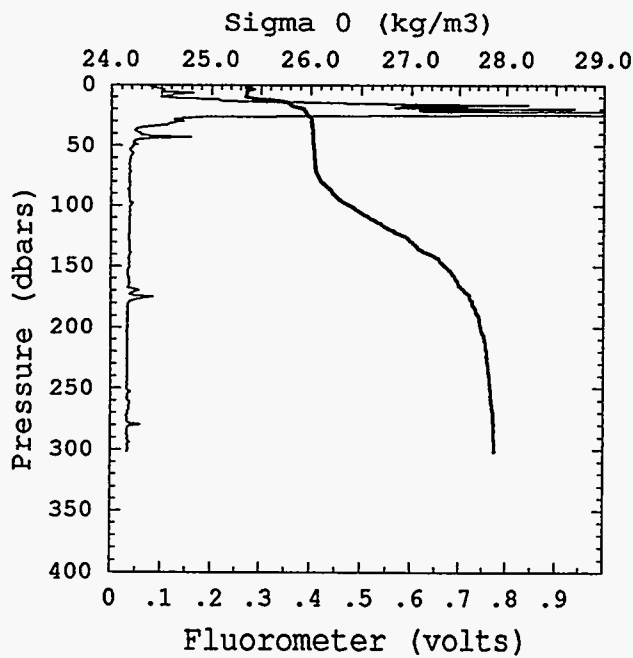
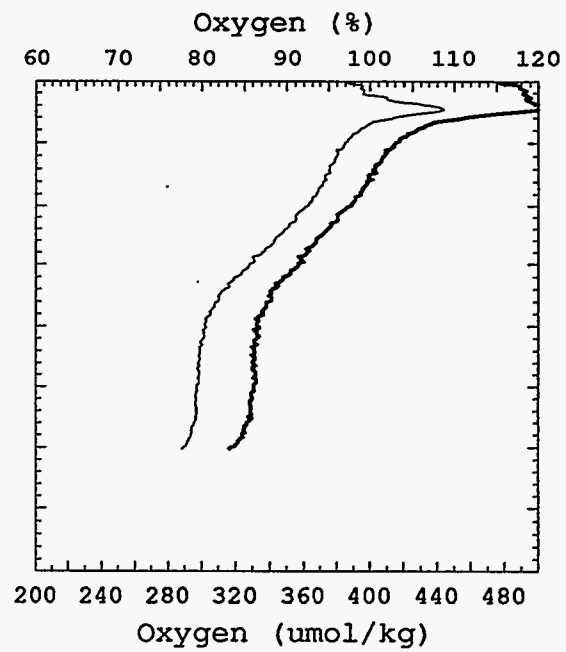
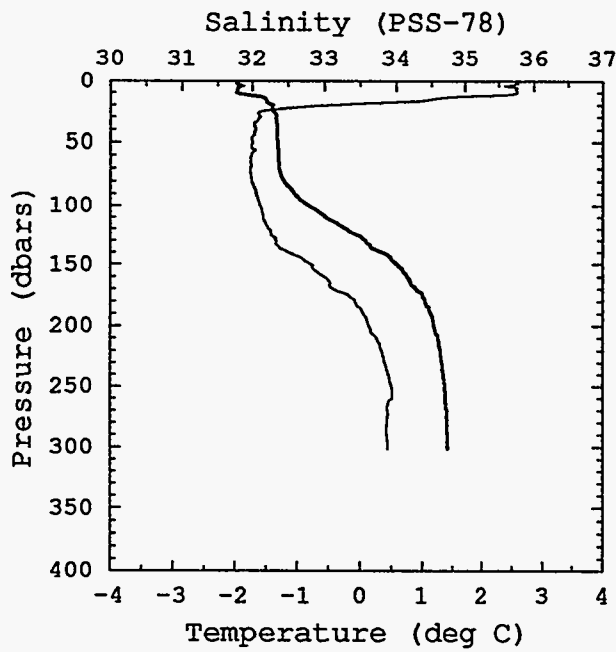
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 25 CTD 40
BOTTOM DEPTH= 306



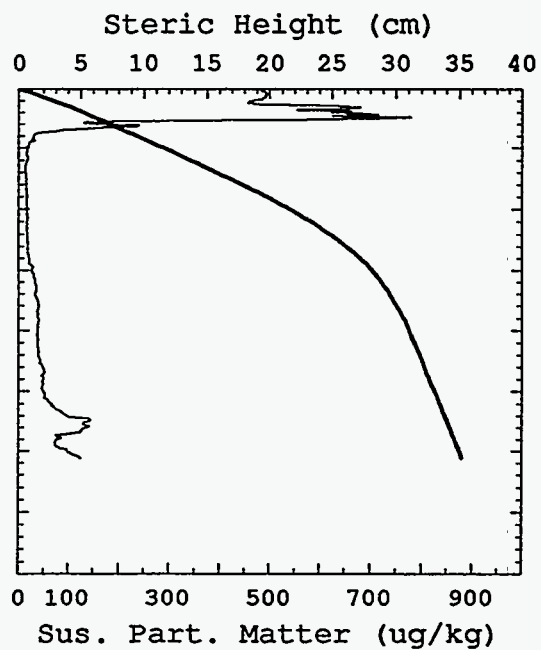
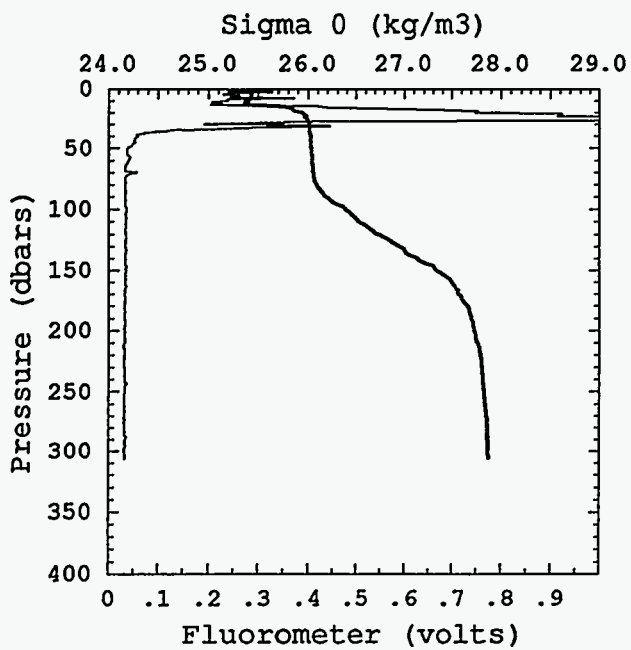
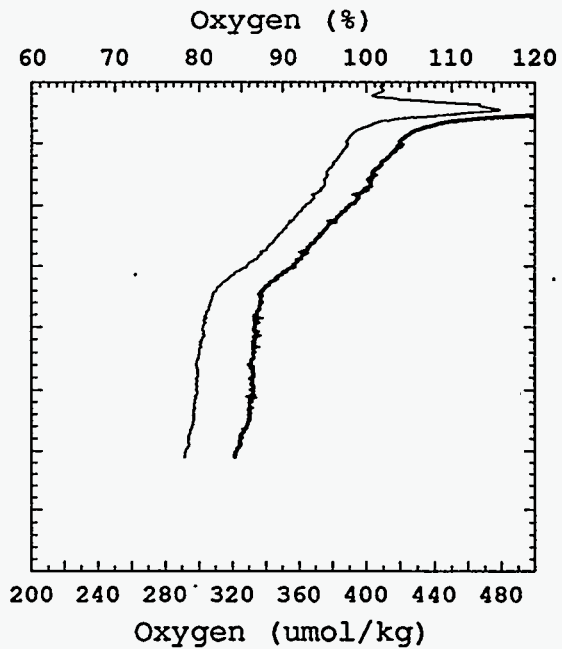
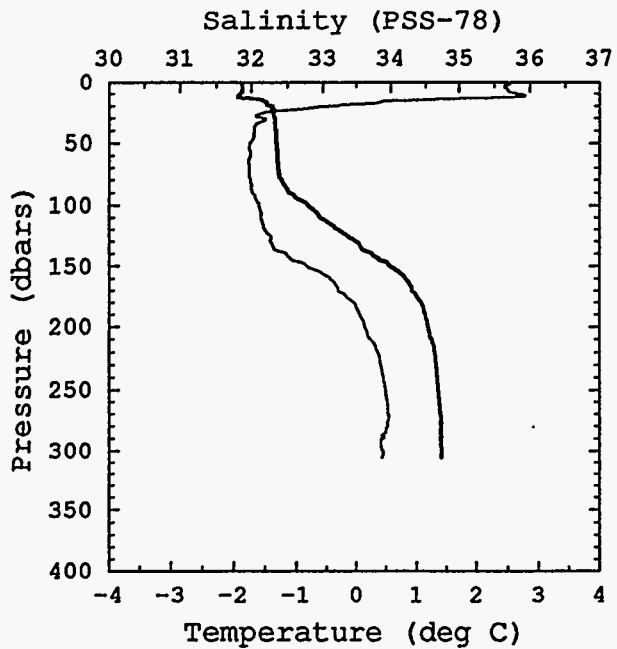
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 25 CTD 41
BOTTOM DEPTH= 302



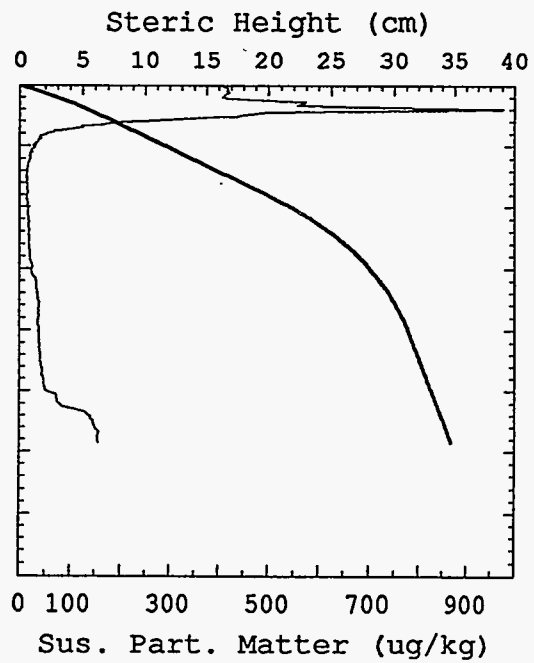
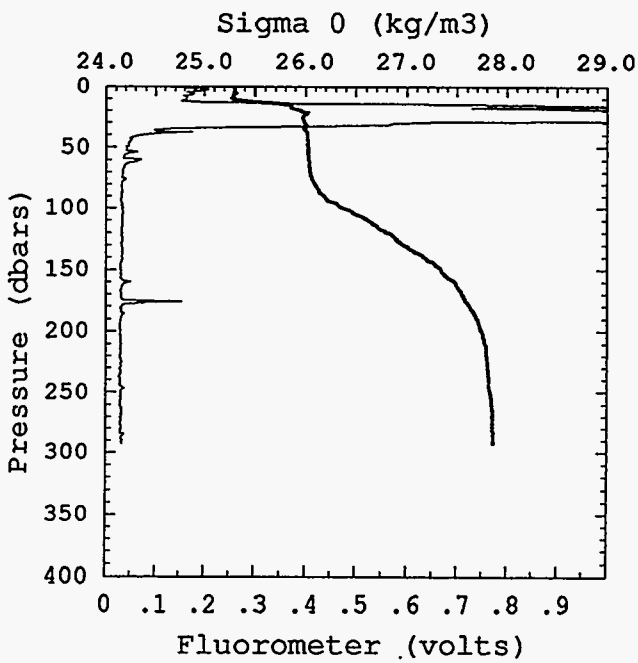
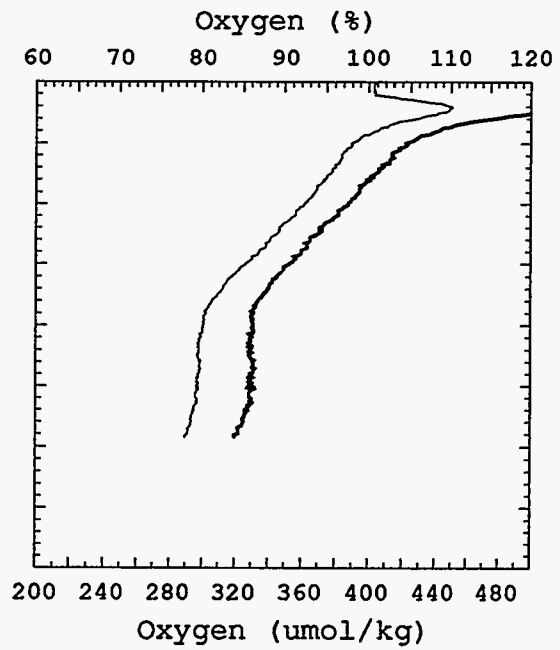
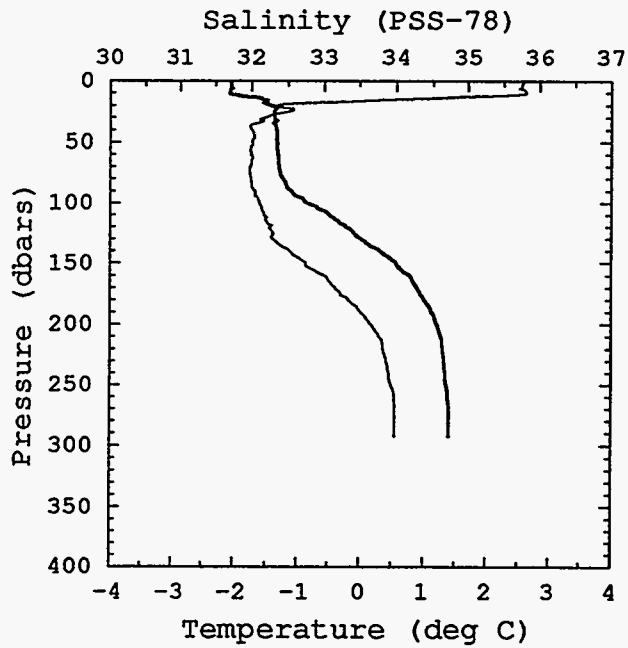
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 25 CTD 42
BOTTOM DEPTH= 306



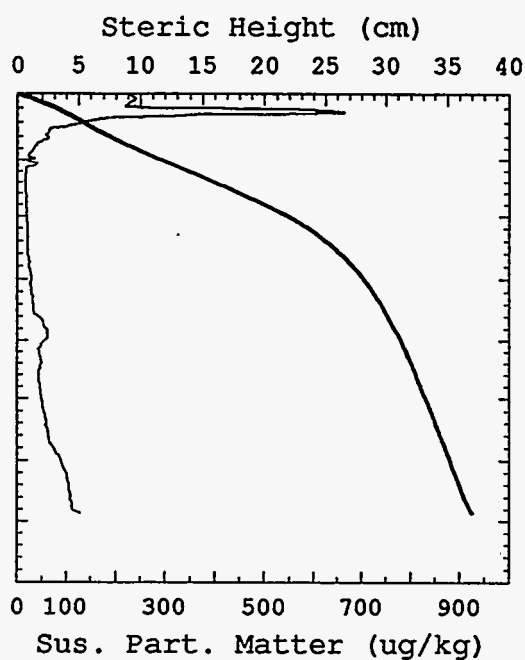
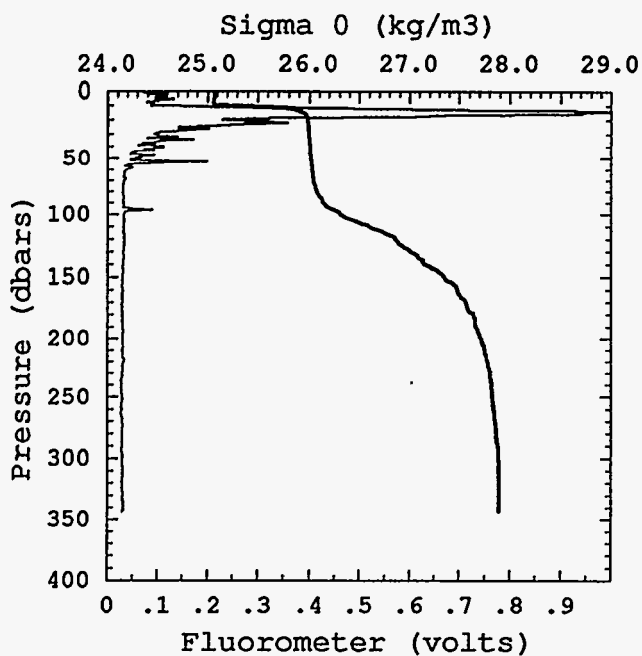
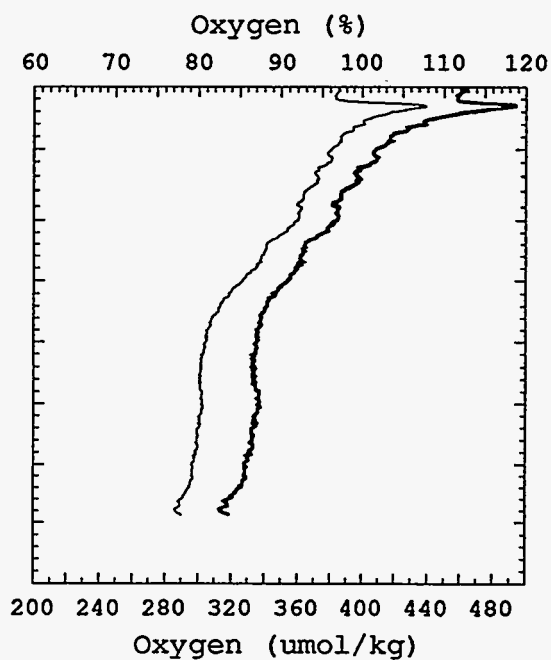
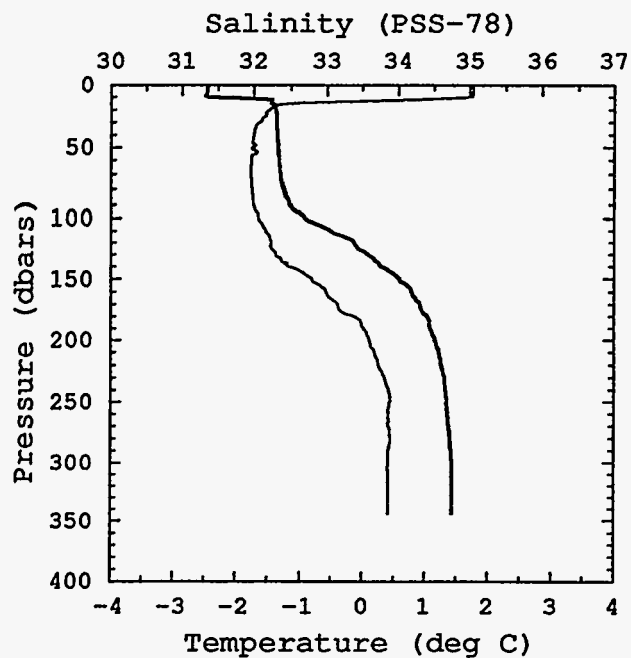
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 25 CTD 43
BOTTOM DEPTH= 293



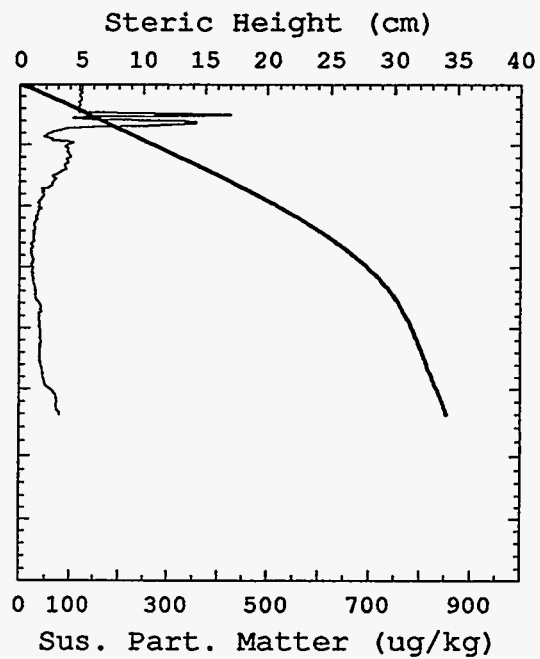
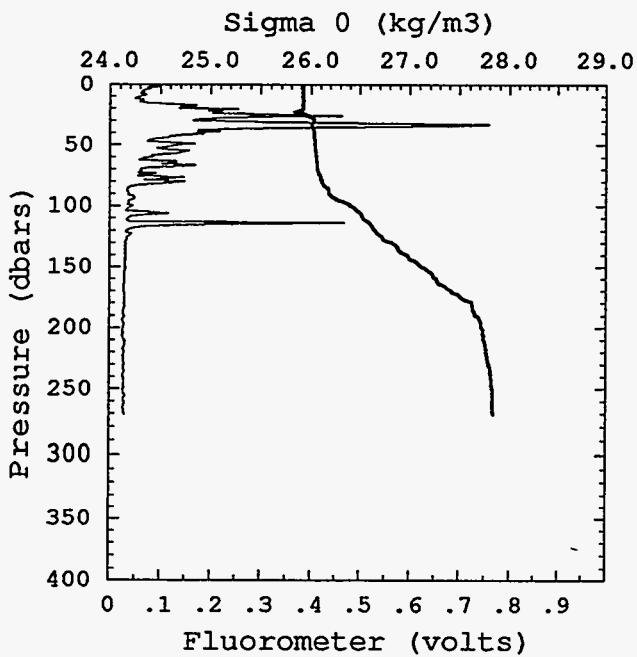
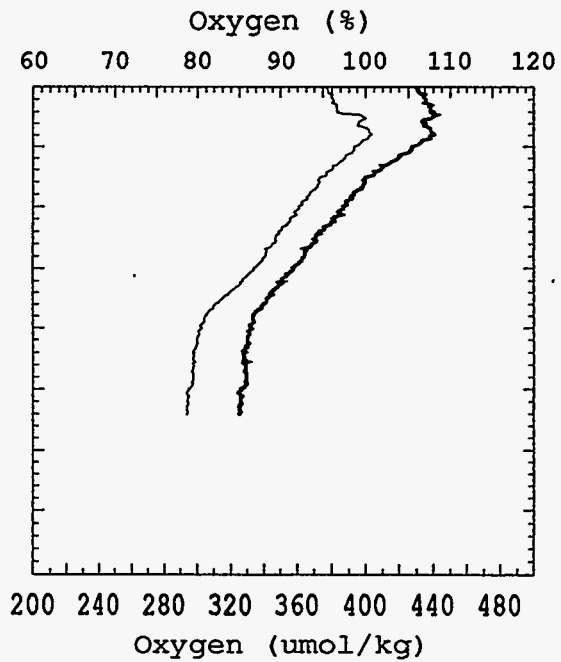
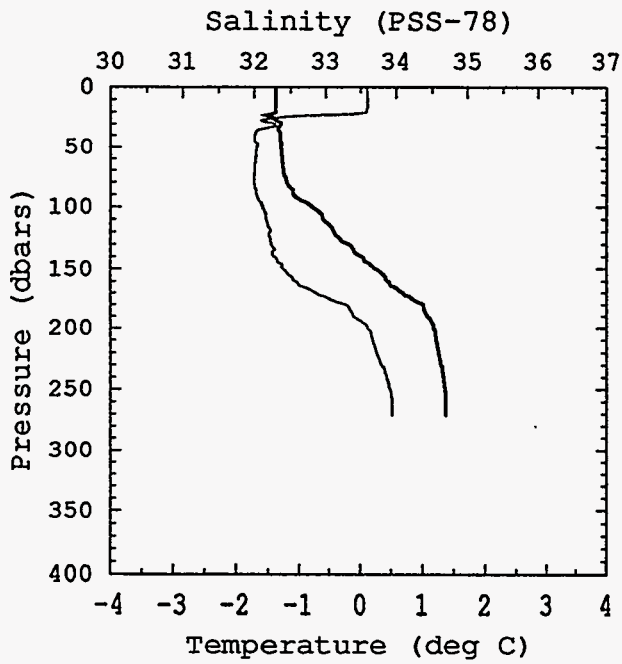
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 26 CTD 44
BOTTOM DEPTH= 344



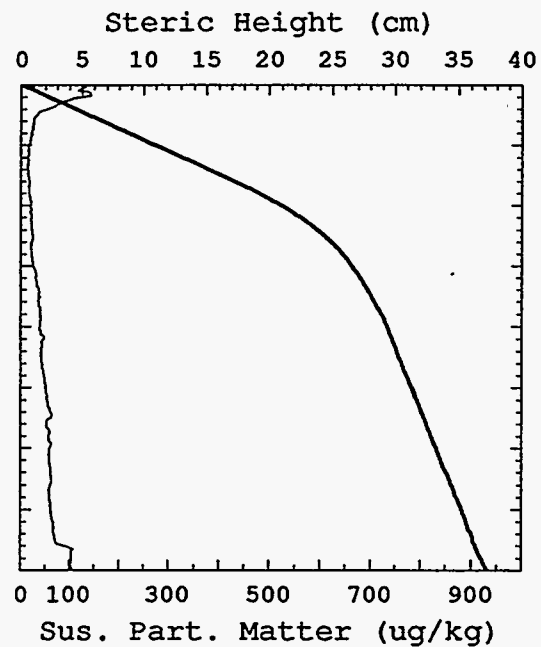
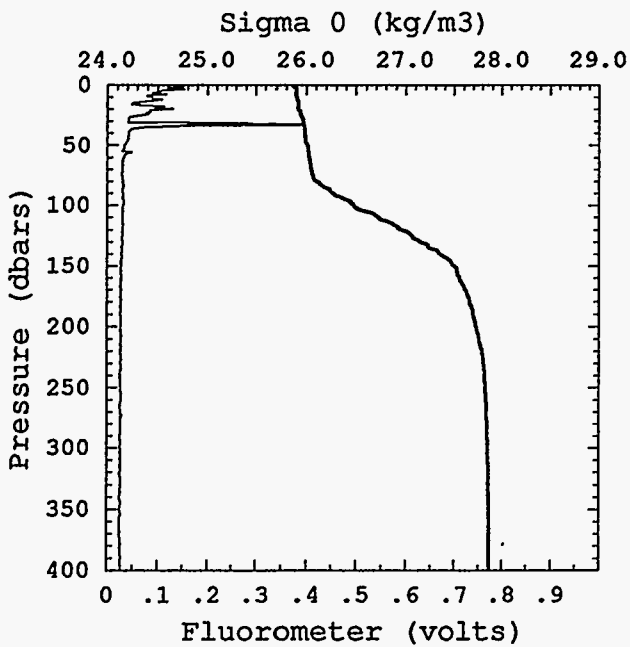
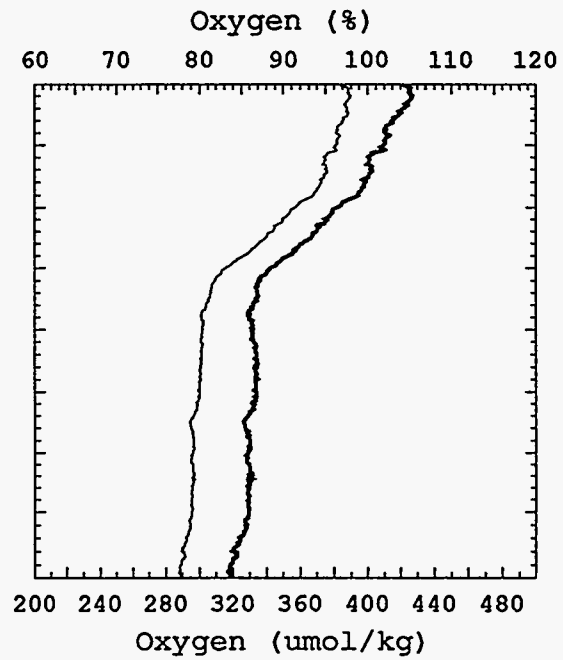
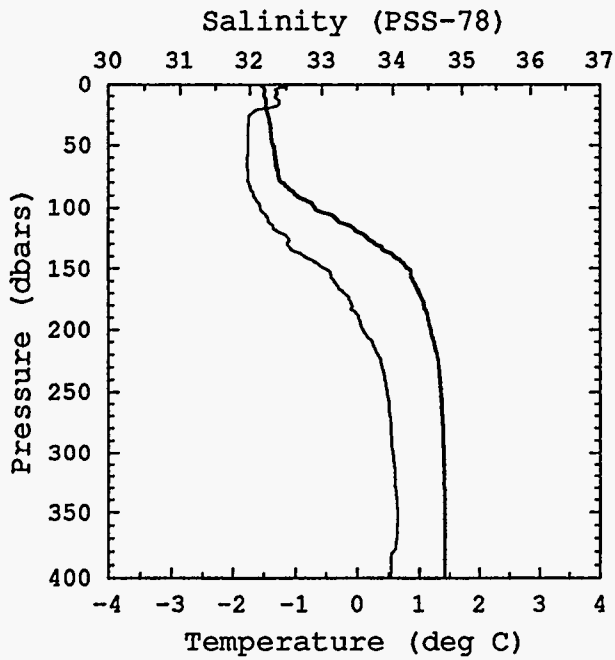
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 27 CTD 45
BOTTOM DEPTH= 271



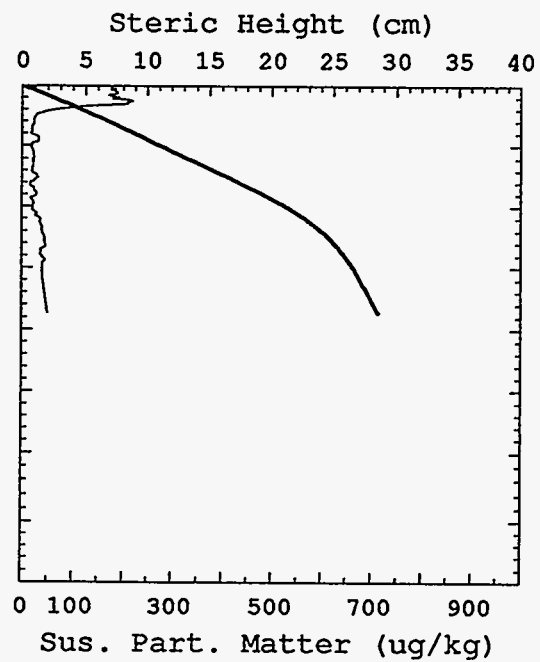
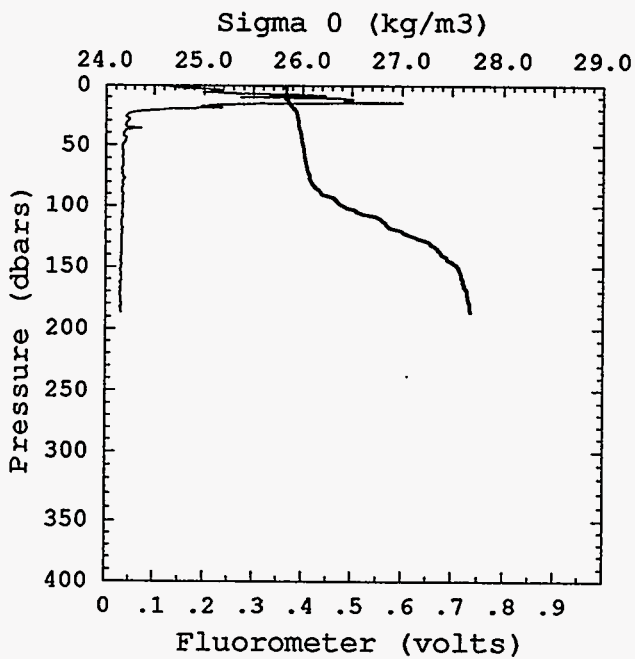
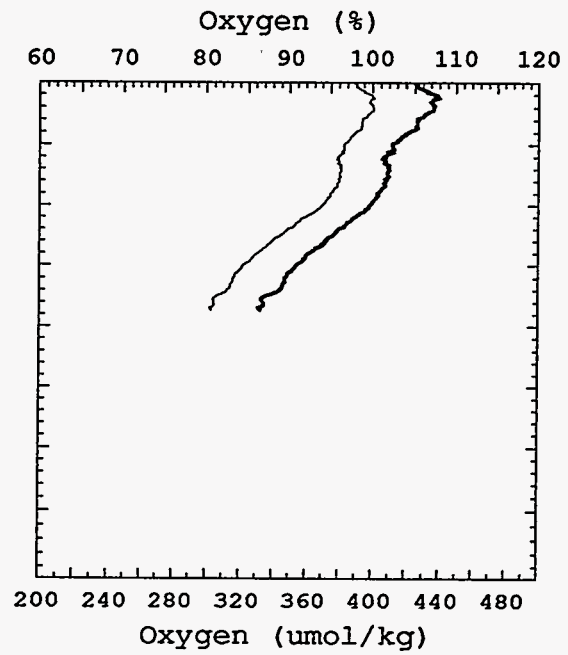
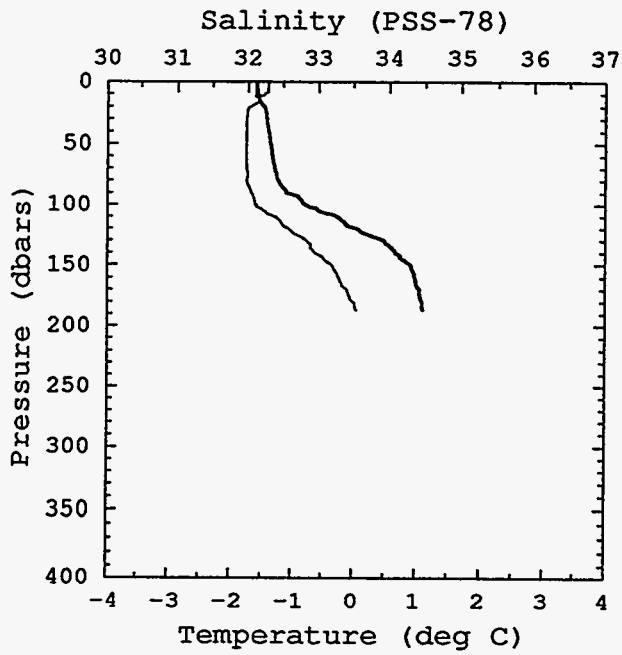
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 28 CTD 46
BOTTOM DEPTH= 418



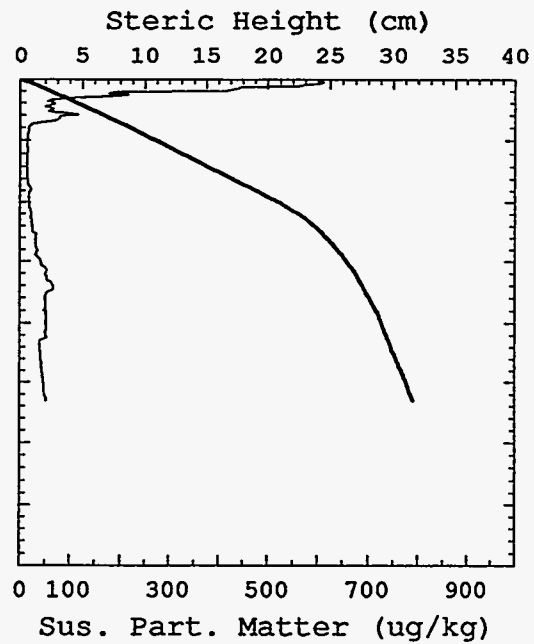
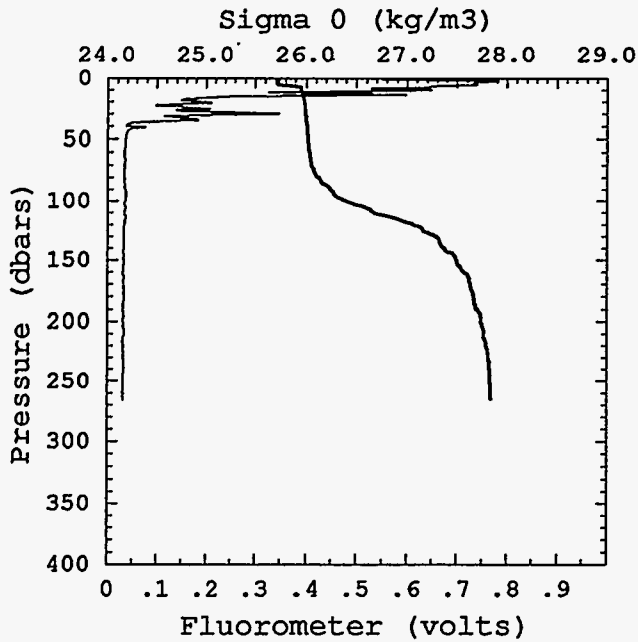
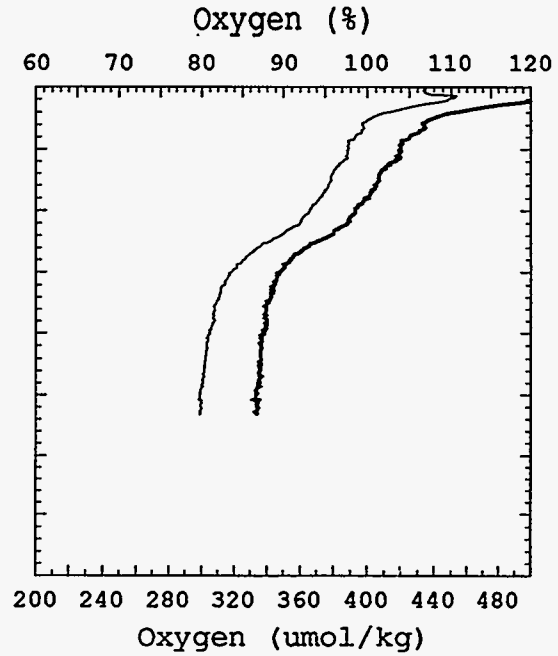
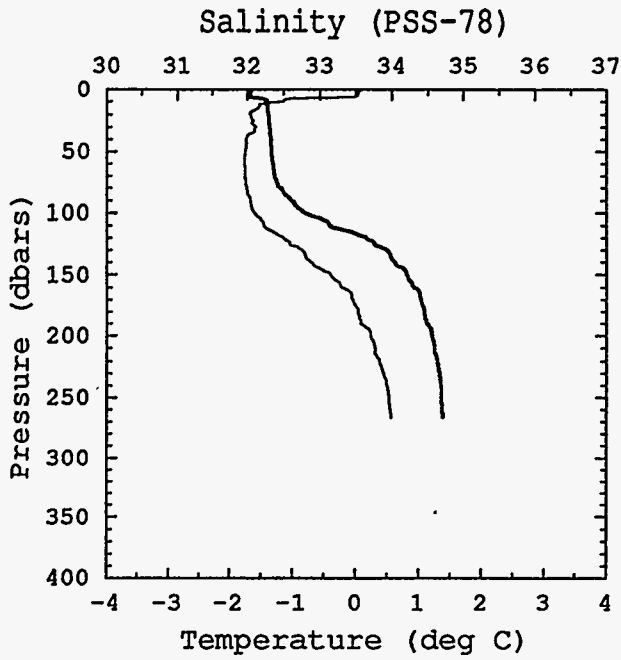
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 29 CTD 47
BOTTOM DEPTH= 187



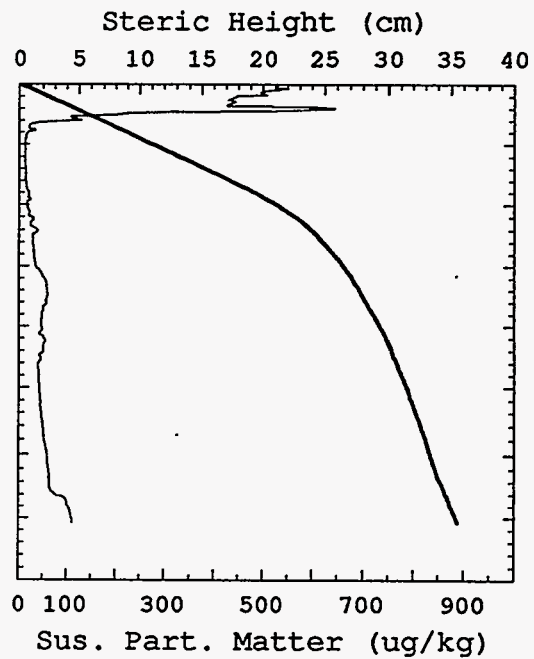
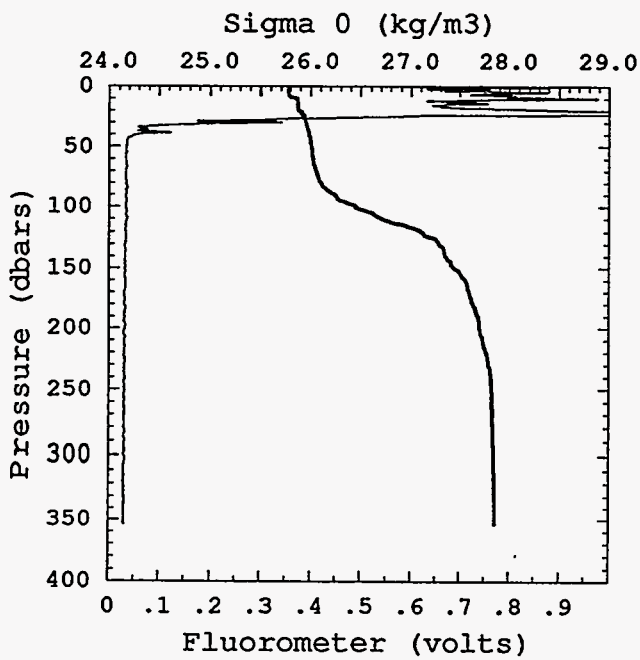
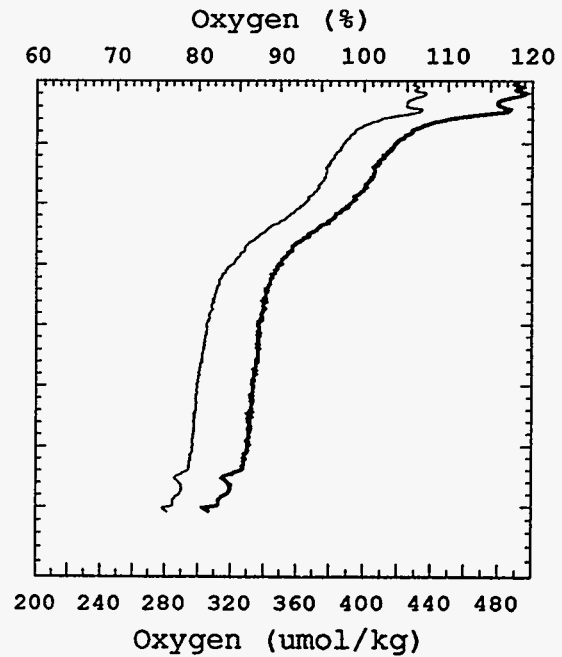
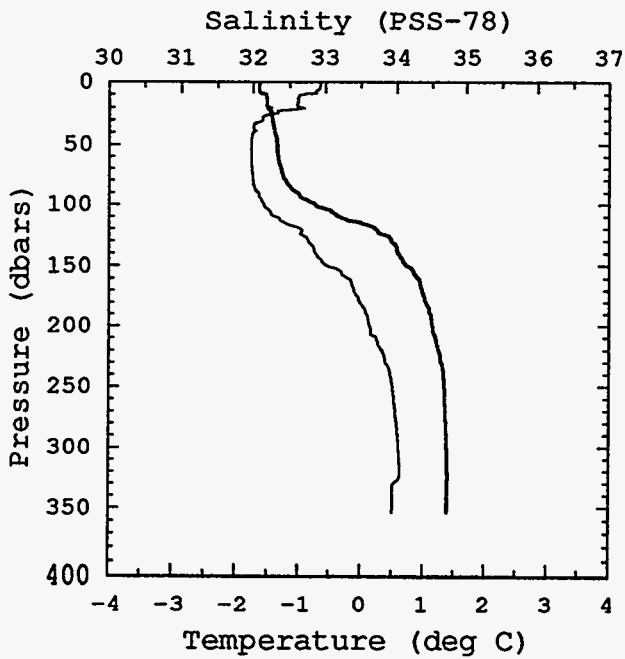
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 30 CTD 48
BOTTOM DEPTH= 266



* CURVE IN BOLD DENOTES TOP AXIS

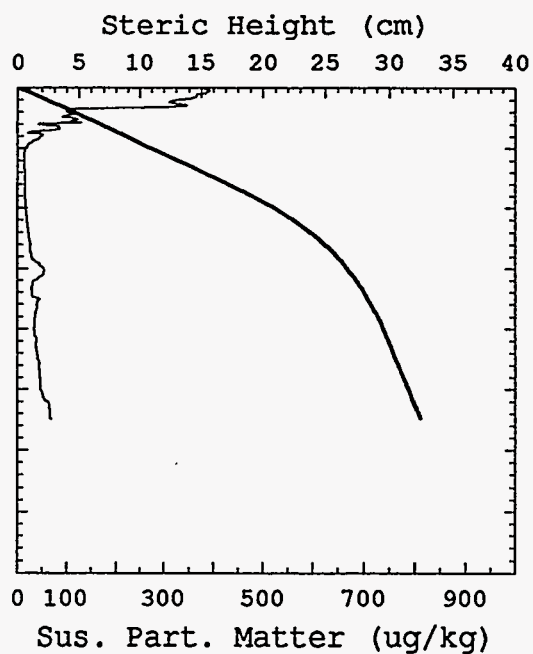
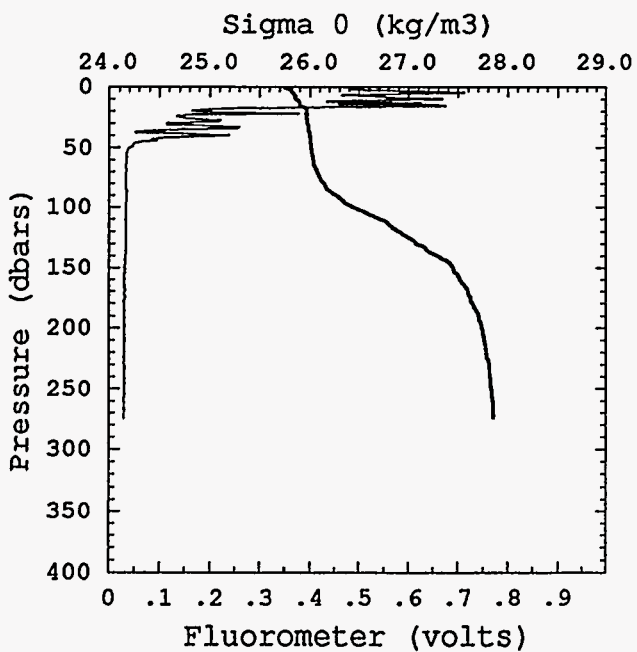
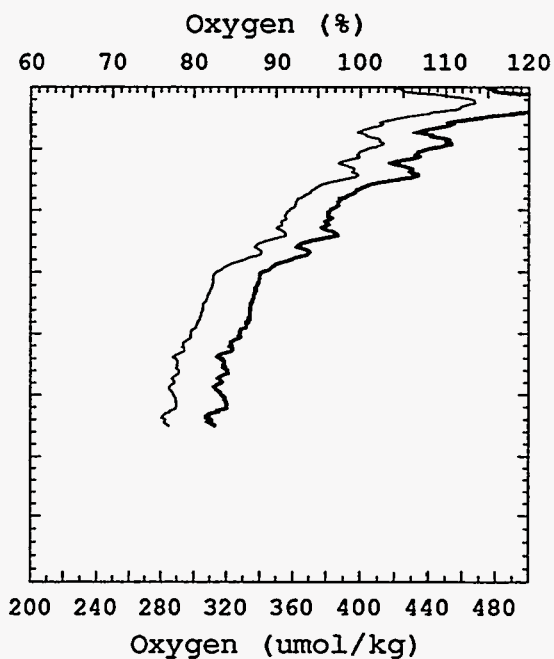
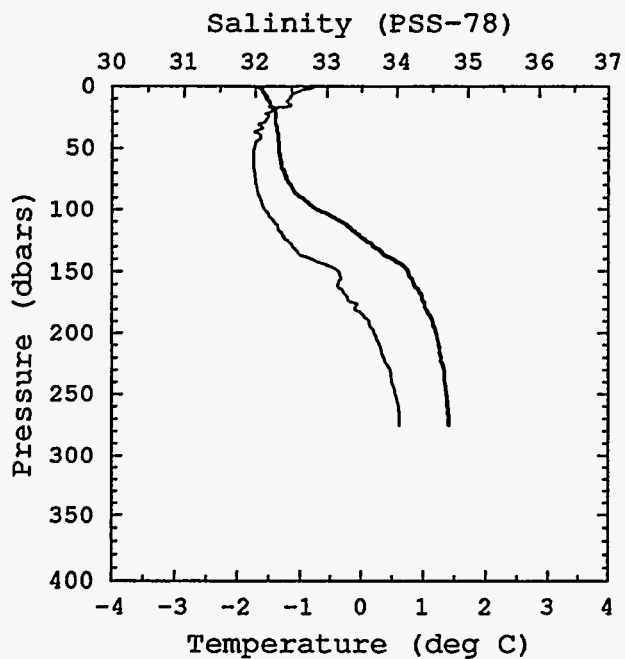
NEWP-92
STA 30 CTD 49
BOTTOM DEPTH= 354



* CURVE IN BOLD DENOTES TOP AXIS

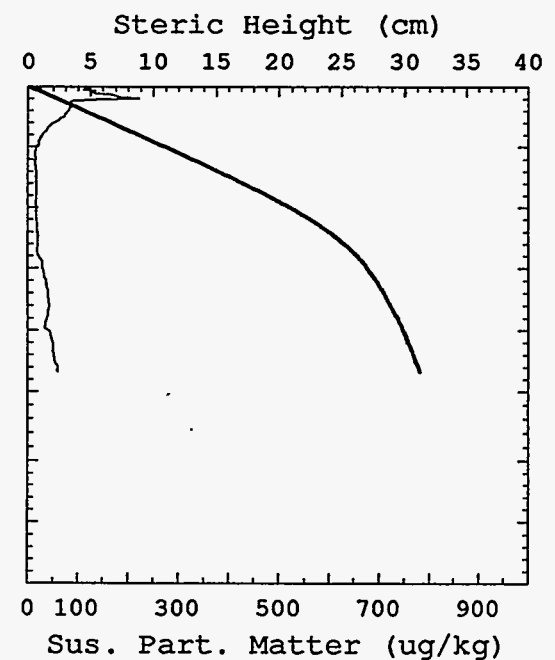
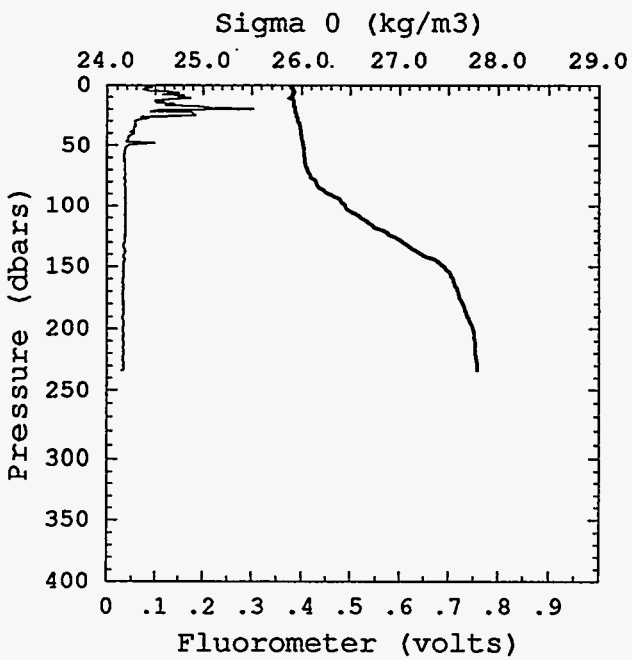
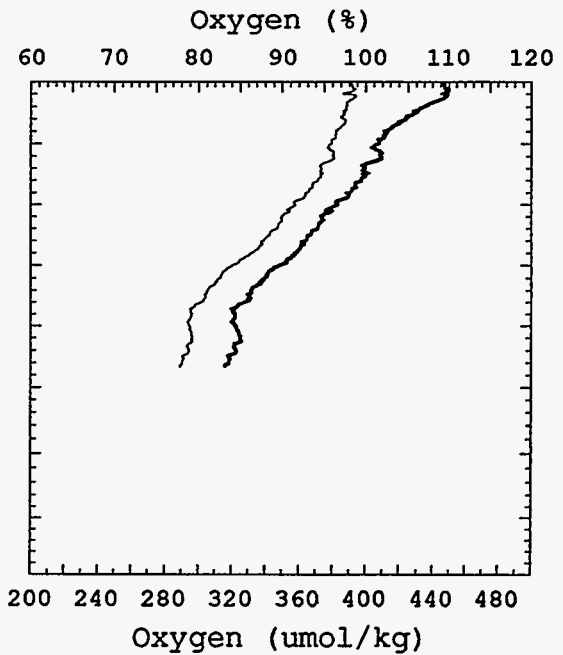
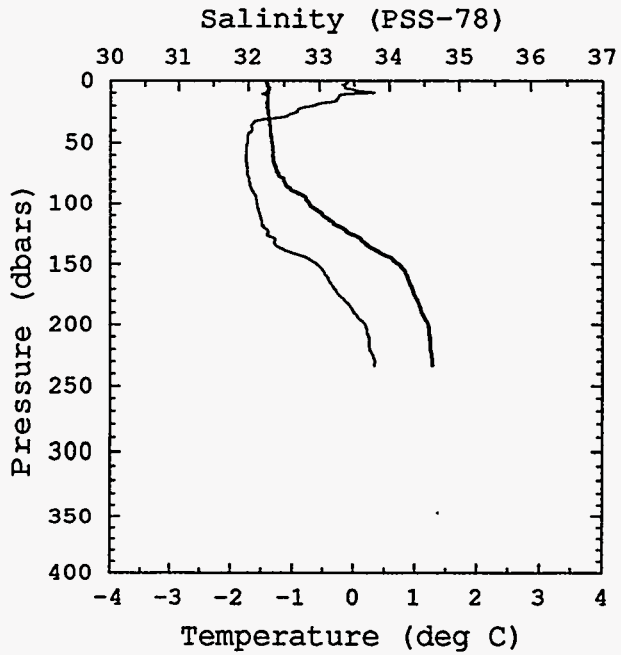
NEWP-92
STA 31 CTD 50

BOTTOM DEPTH= 275



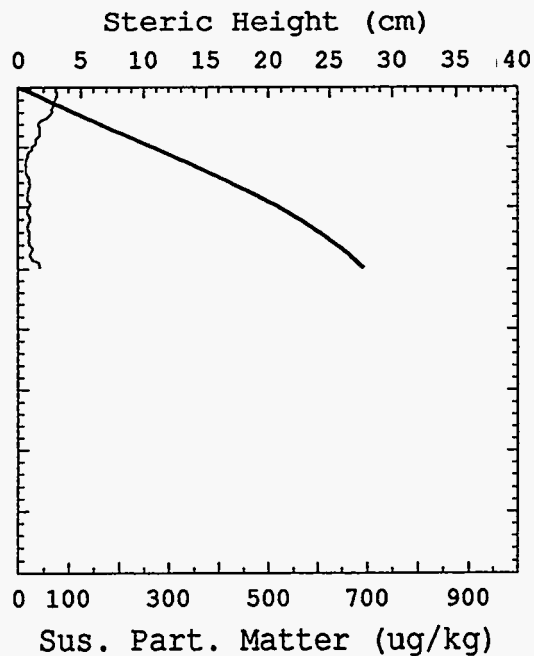
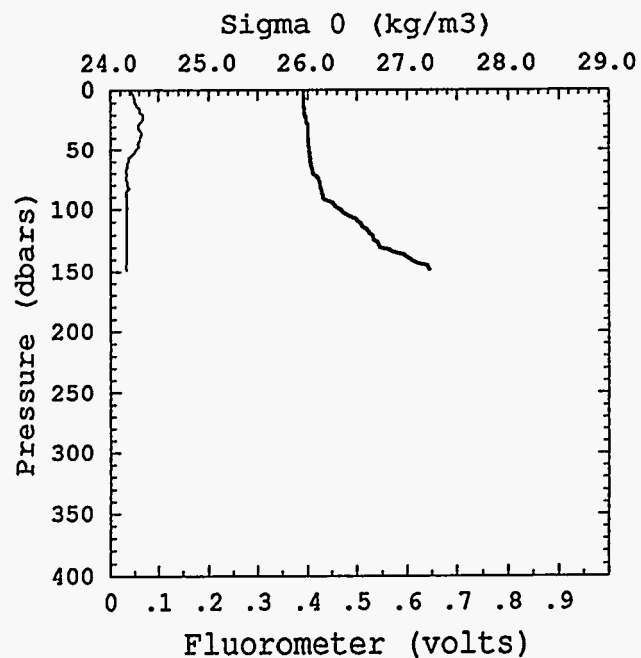
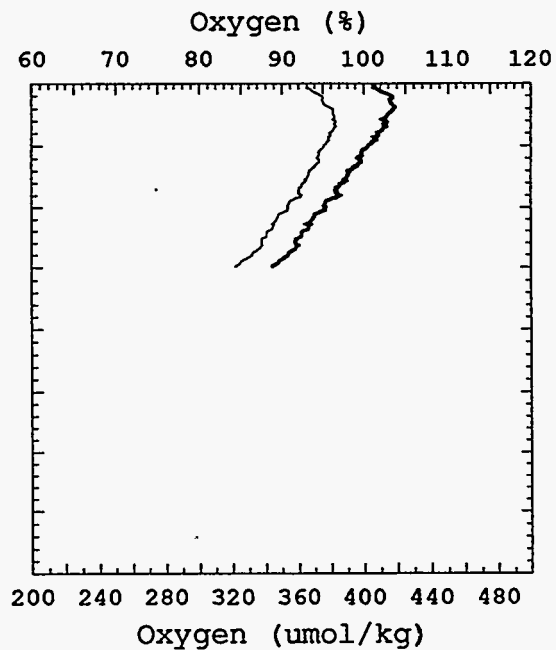
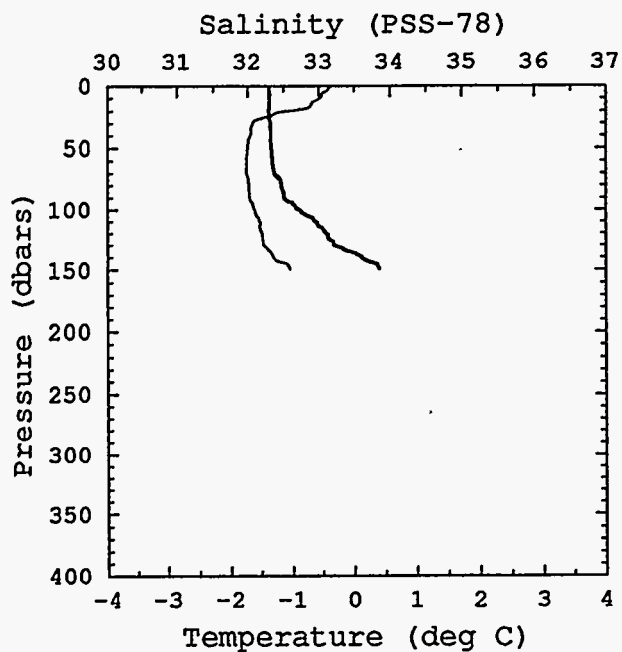
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 32 CTD 51
BOTTOM DEPTH= 234



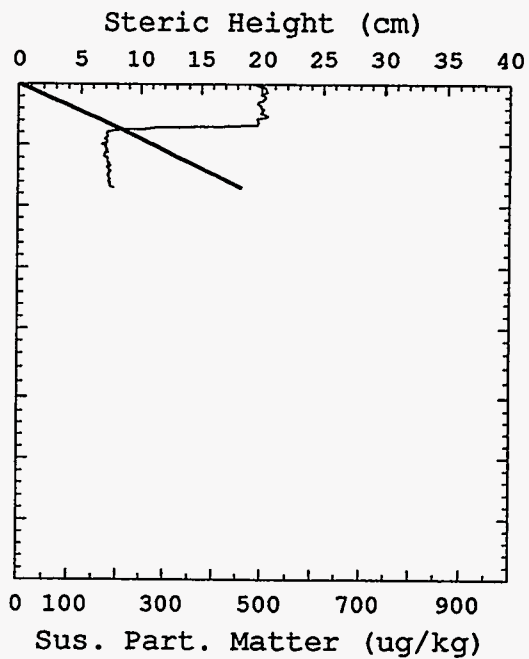
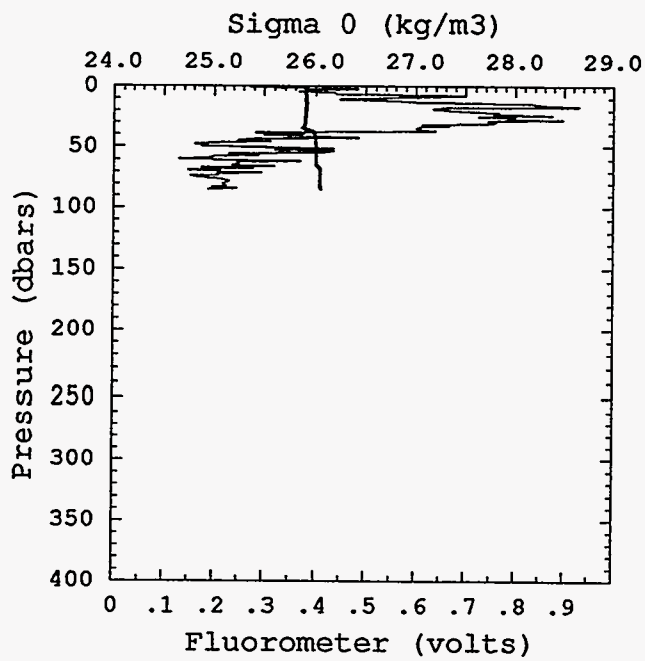
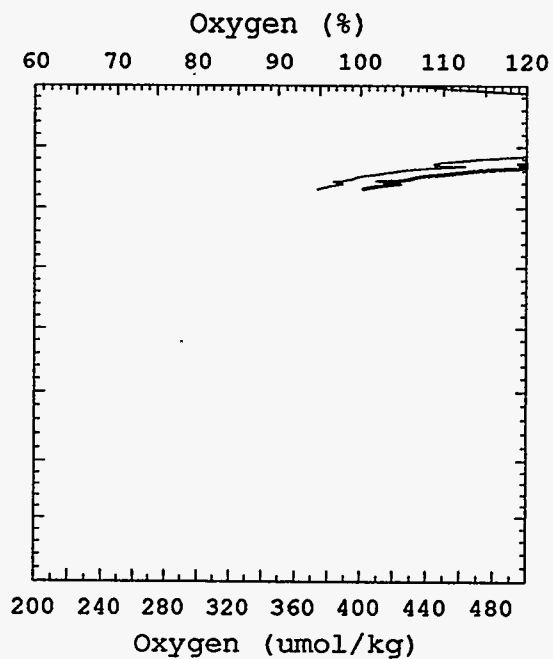
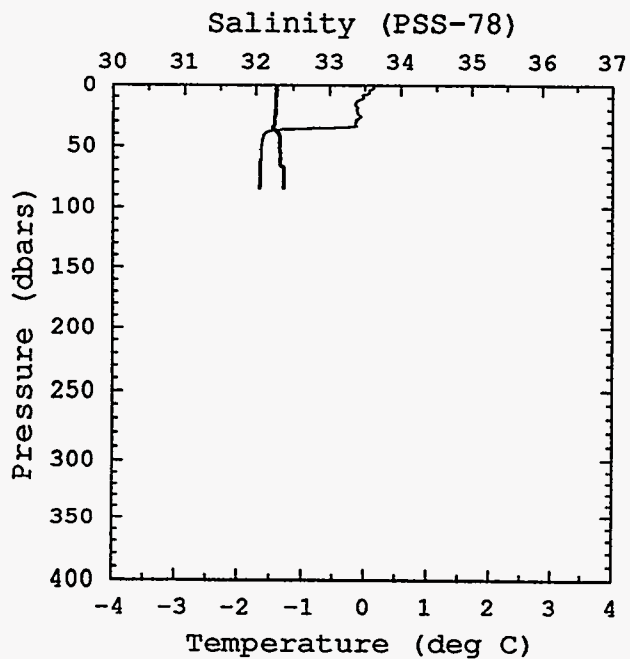
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 33 CTD 52
BOTTOM DEPTH= 149



* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 34 CTD 53
BOTTOM DEPTH= 85

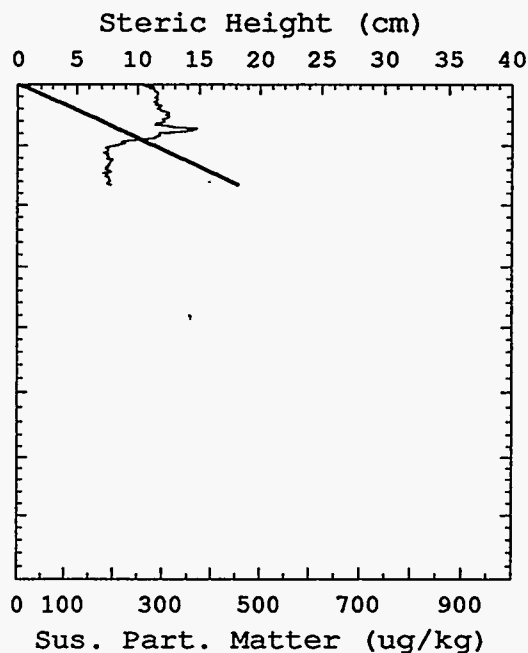
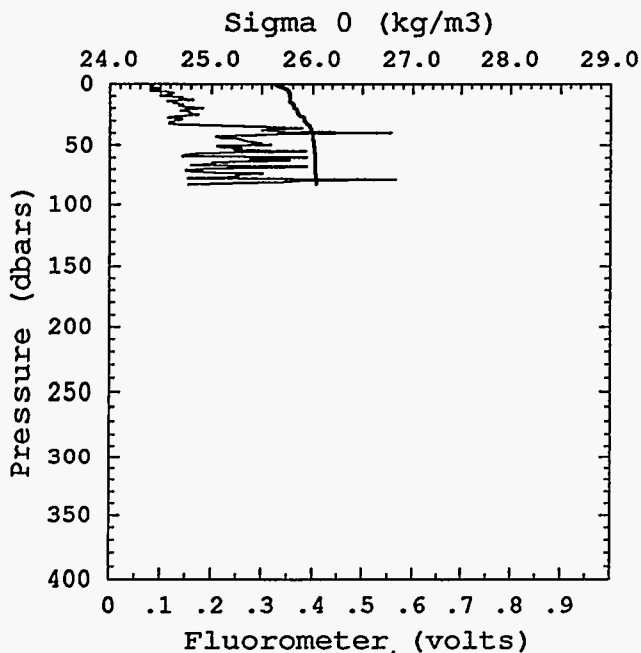
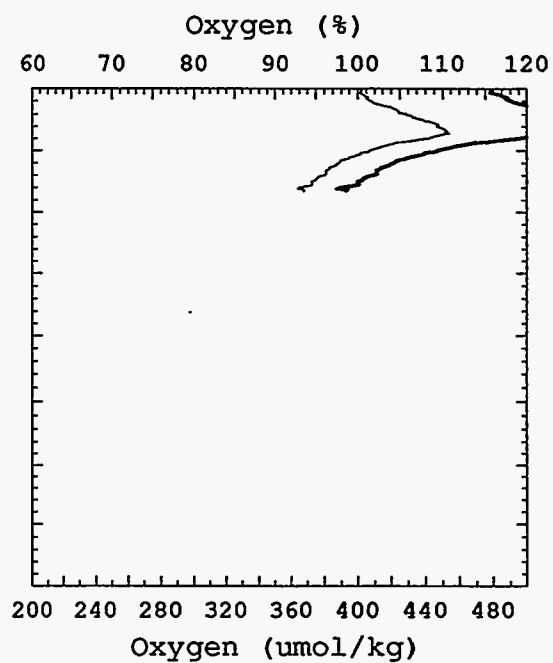
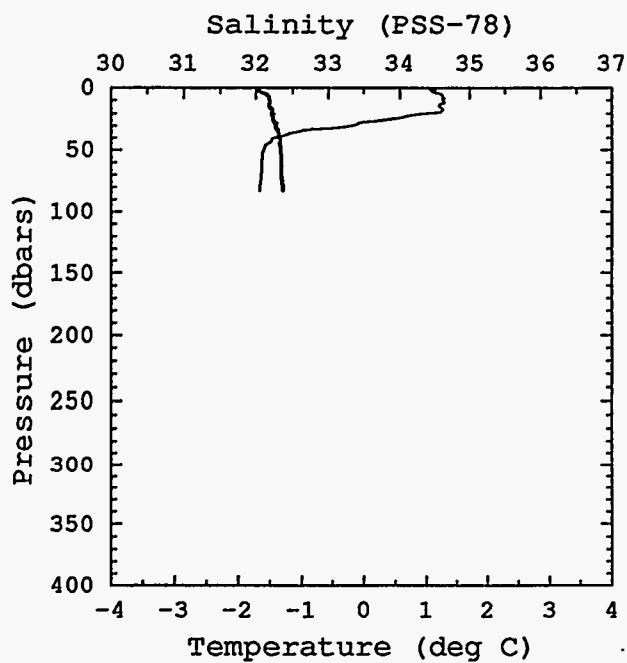


* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92

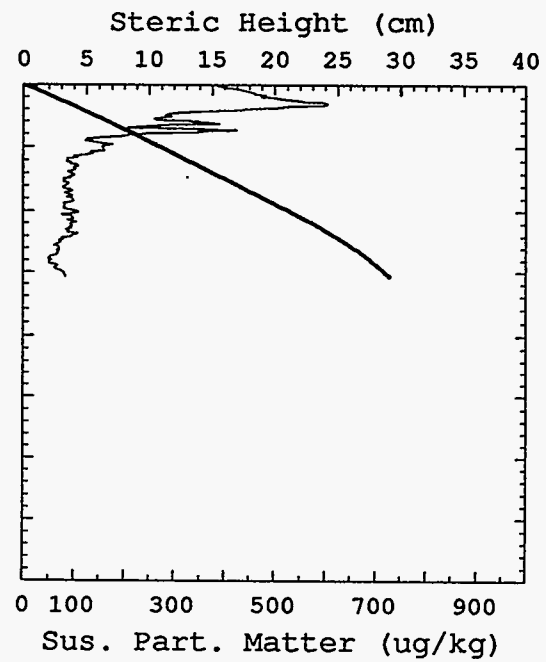
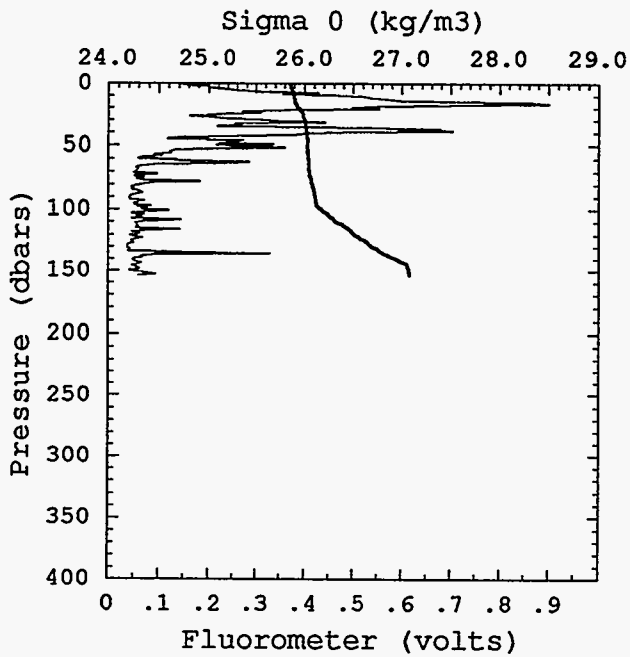
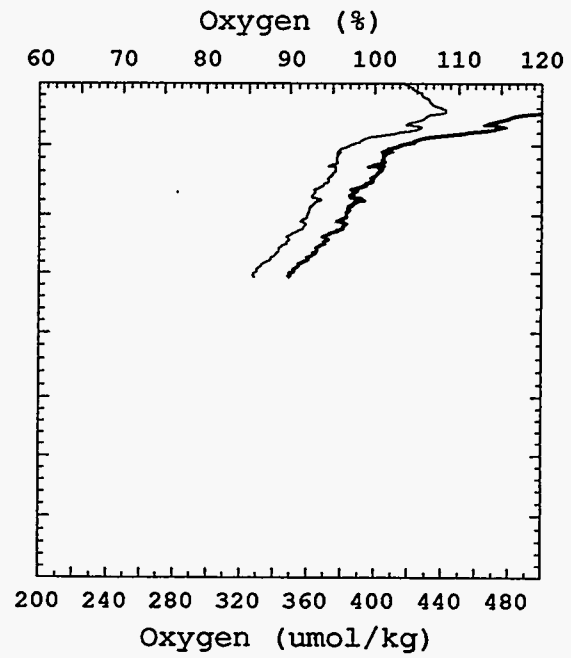
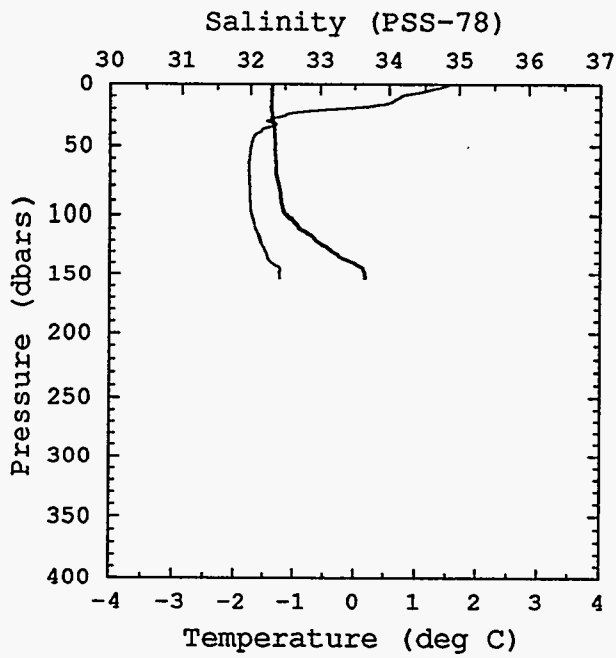
STA 35 CTD 54

BOTTOM DEPTH= 83



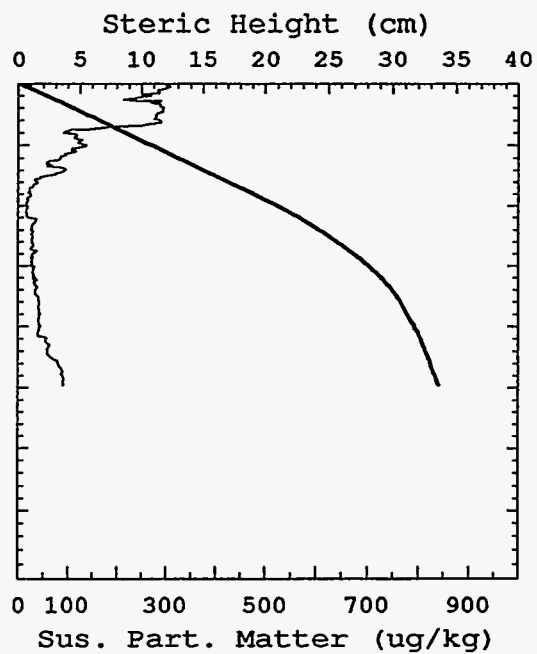
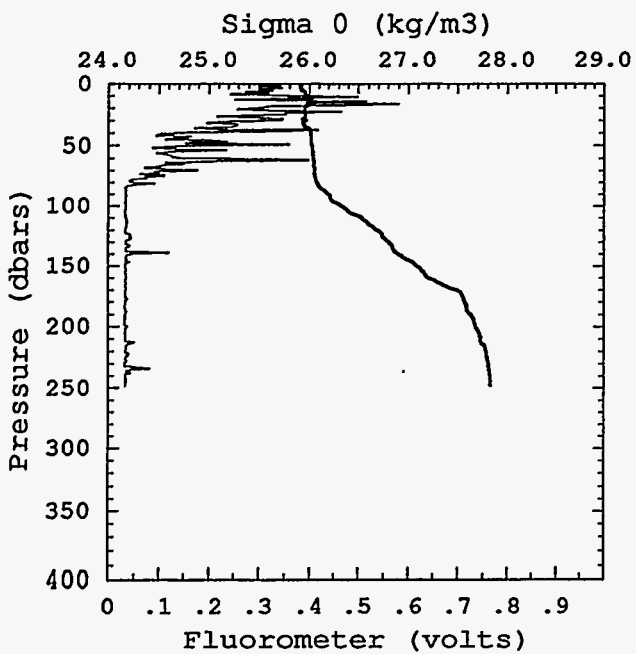
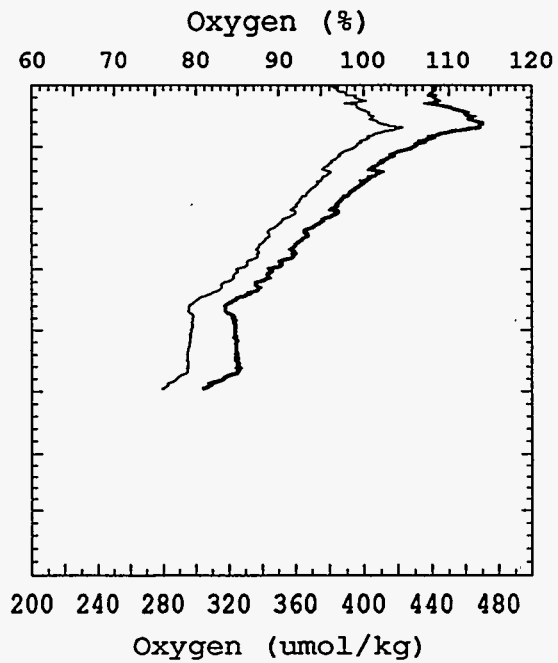
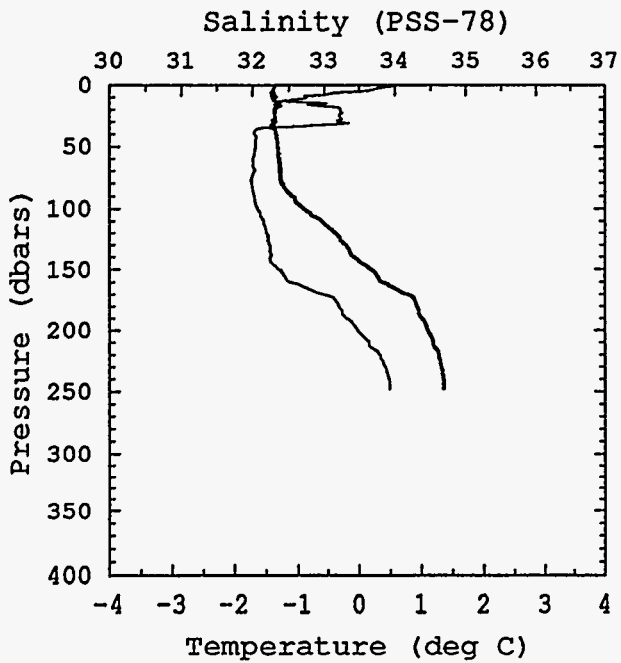
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 36 CTD 55
BOTTOM DEPTH= 154



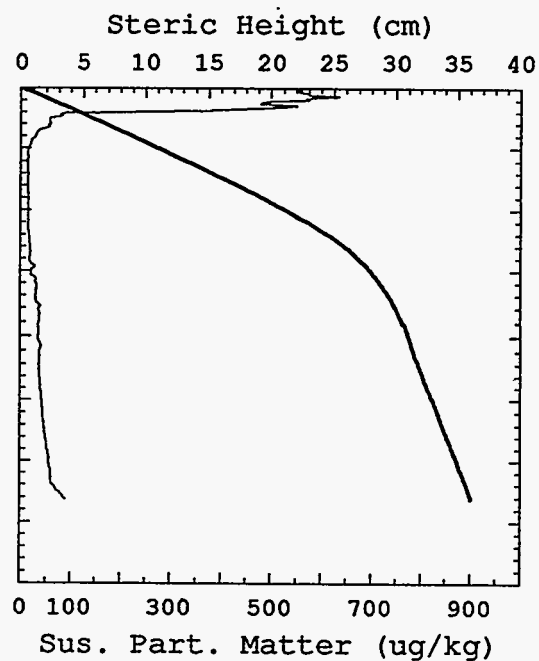
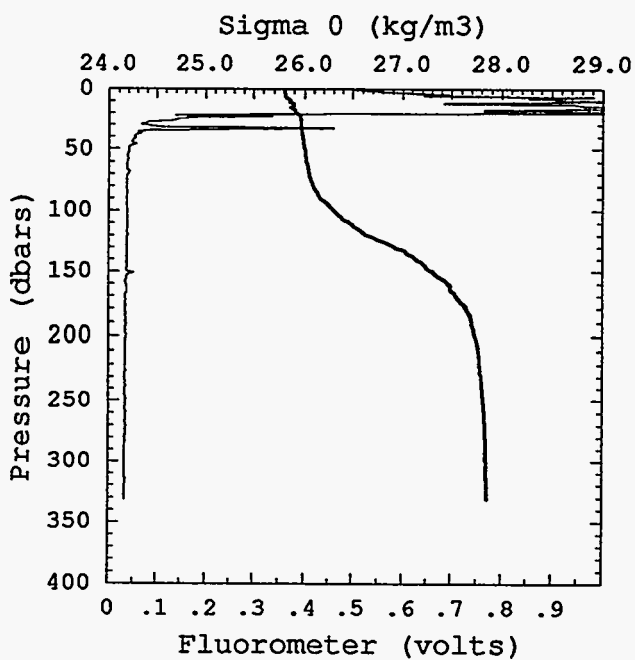
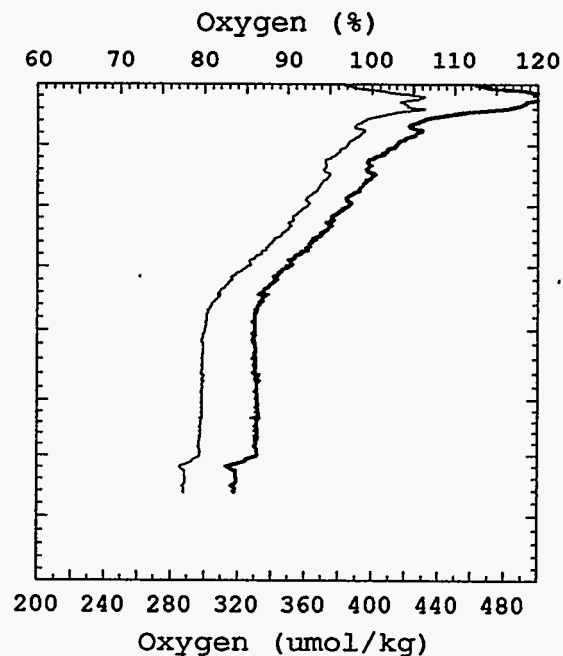
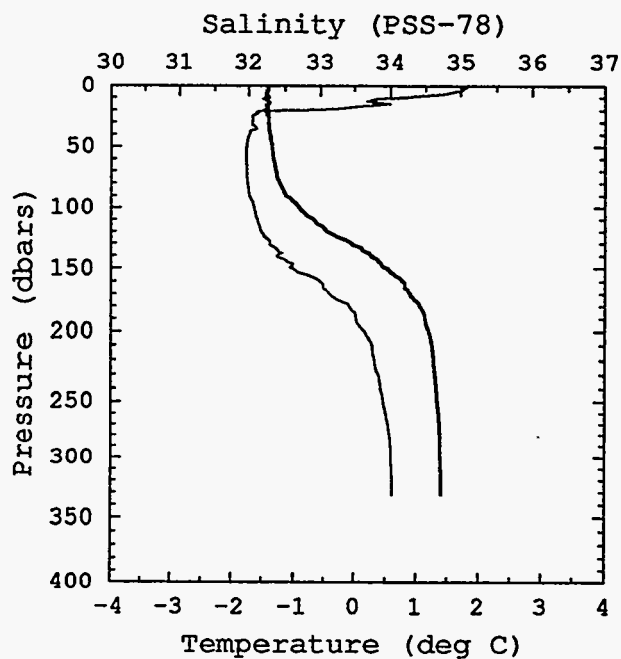
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 37 CTD 56
BOTTOM DEPTH= 248



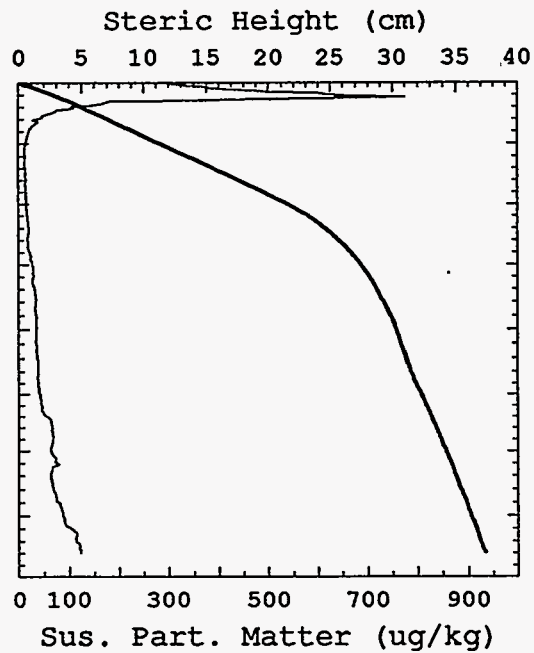
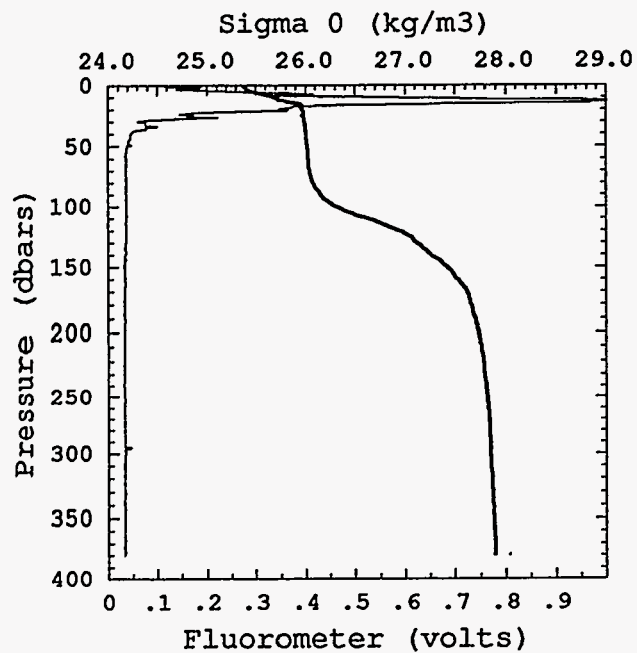
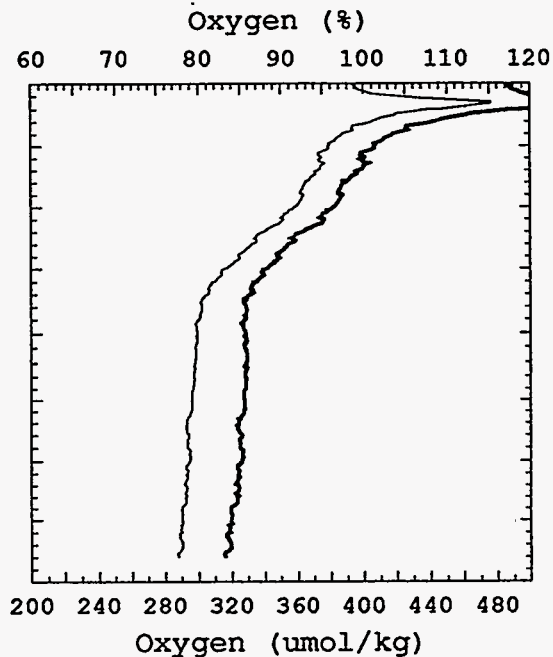
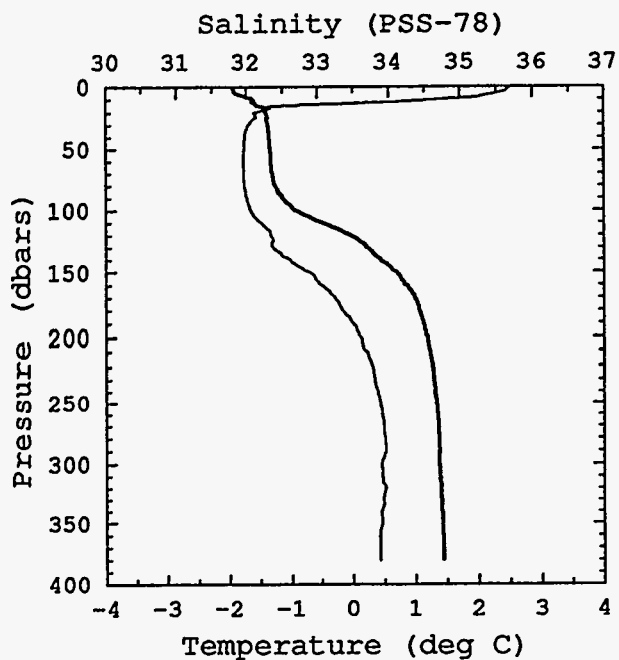
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 38 CTD 57
BOTTOM DEPTH= 332



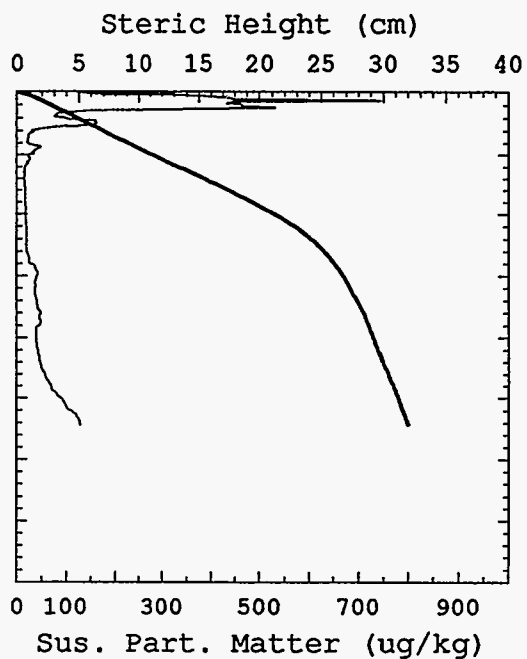
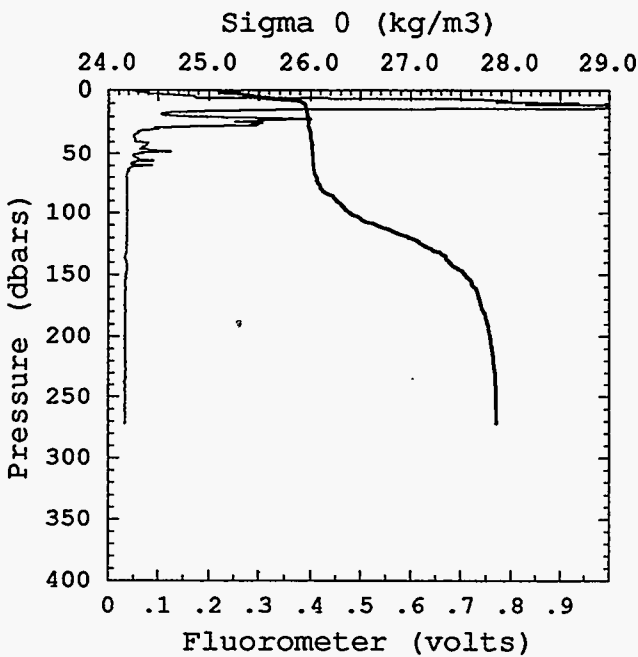
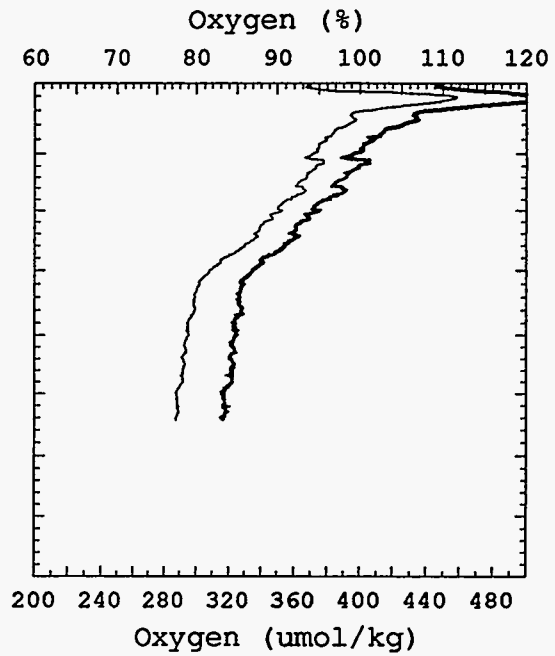
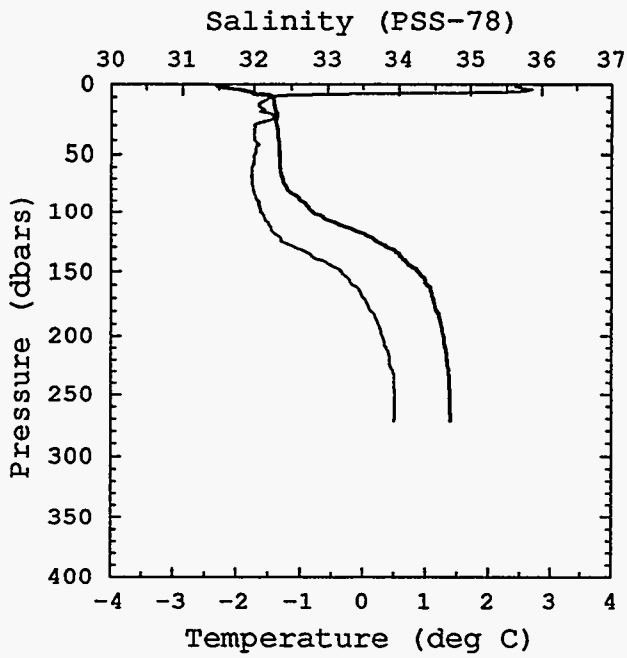
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 39 CTD 58
BOTTOM DEPTH= 380



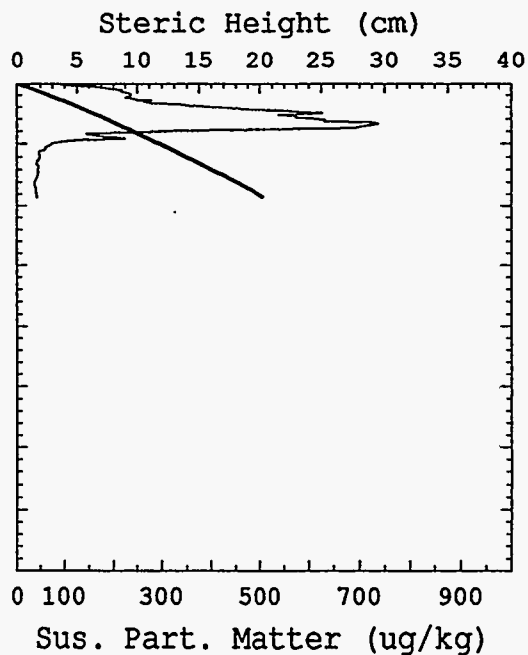
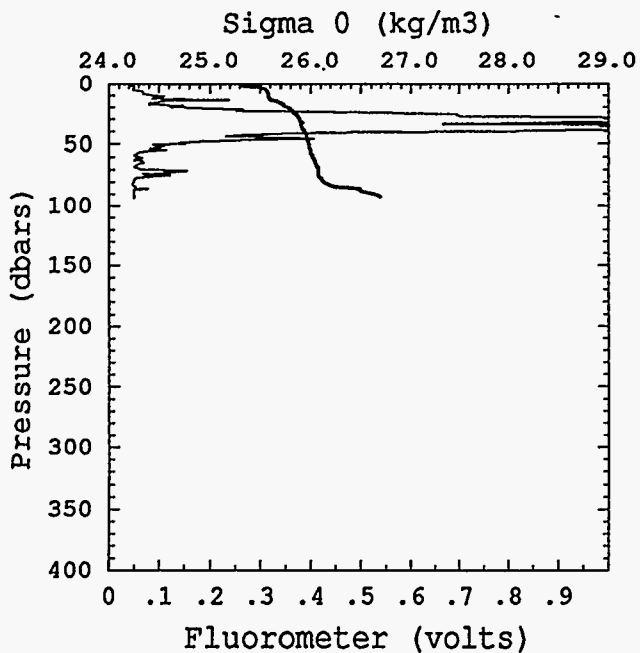
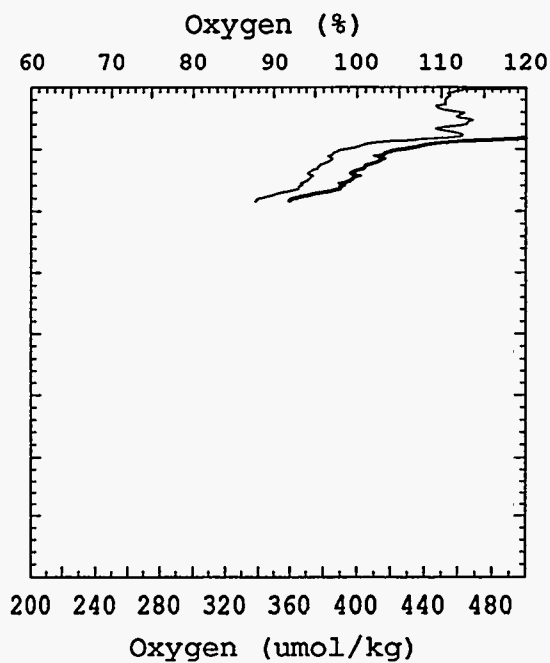
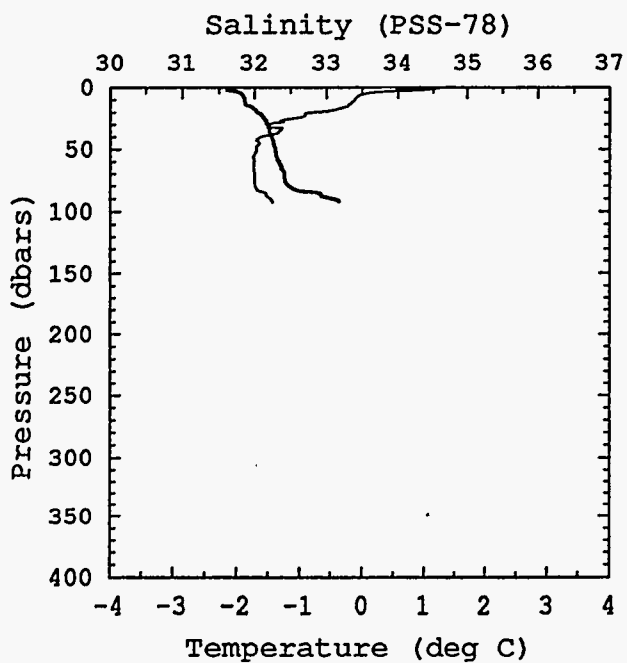
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 40 CTD 59
BOTTOM DEPTH= 272



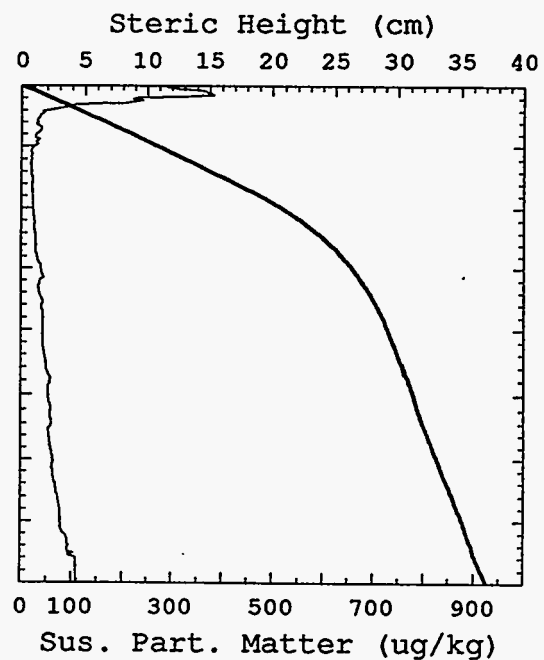
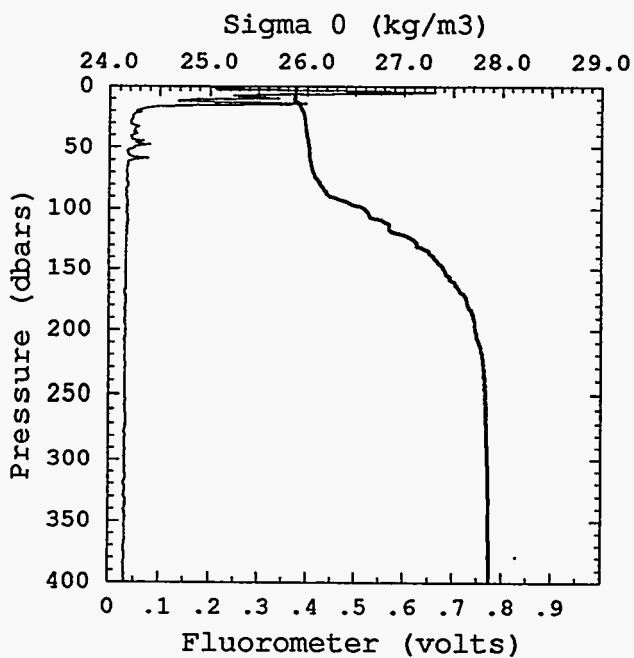
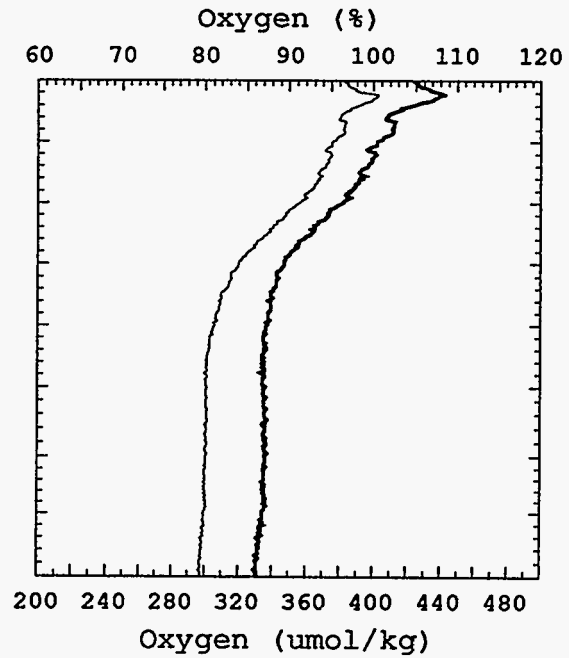
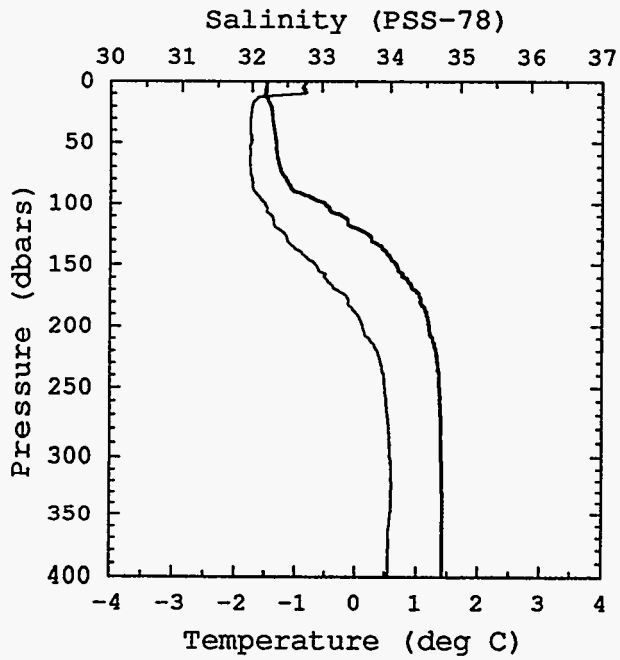
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 41 CTD 60
BOTTOM DEPTH= 93



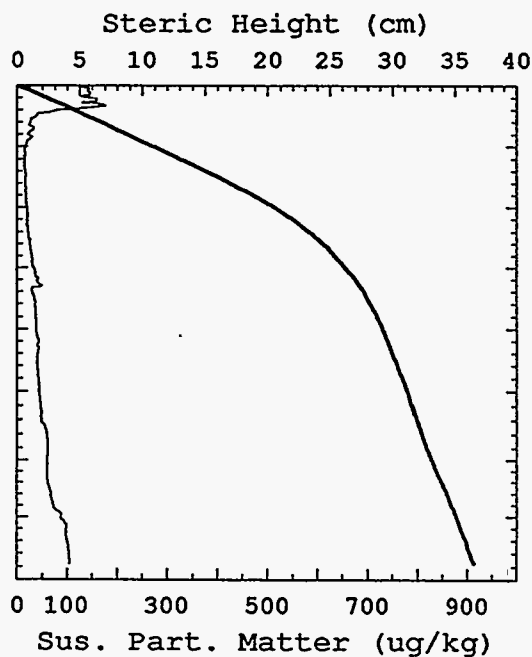
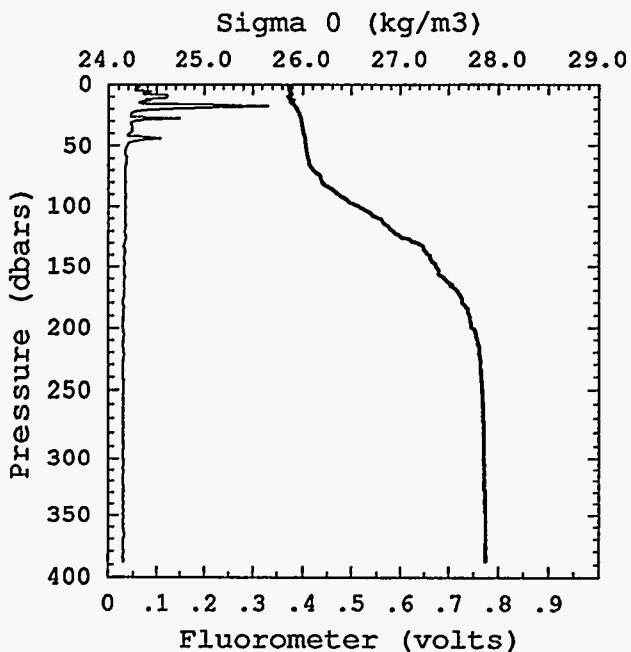
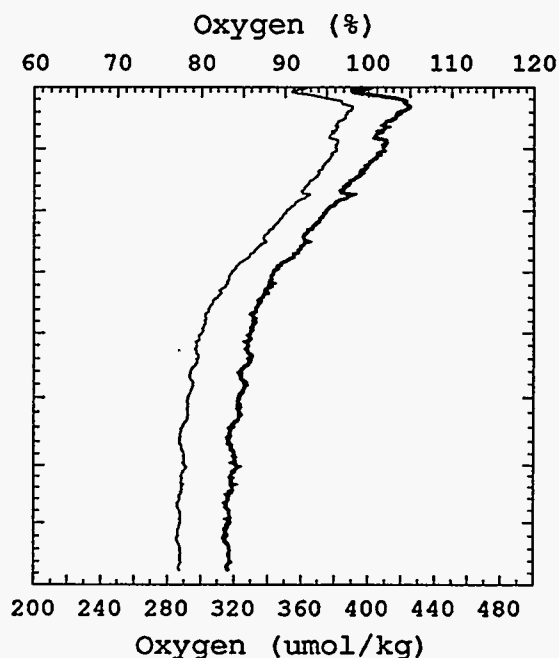
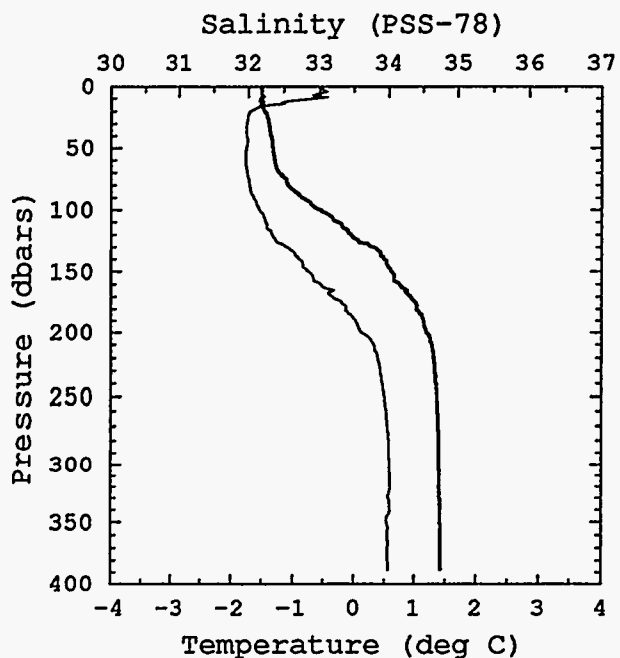
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 42 CTD 61
BOTTOM DEPTH= 437



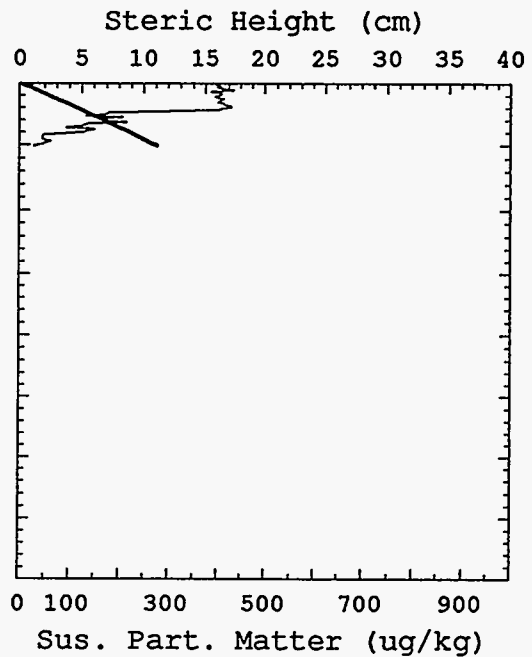
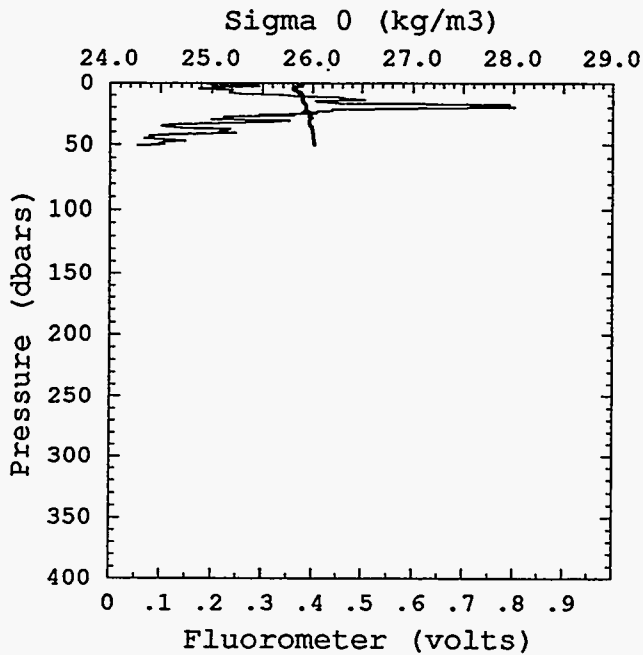
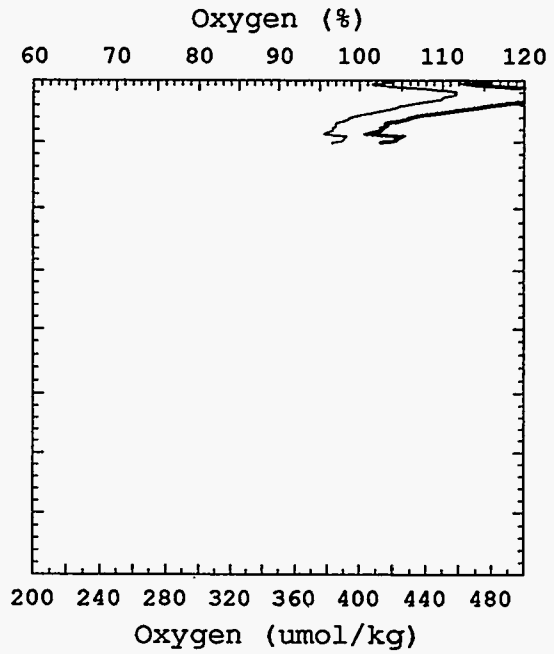
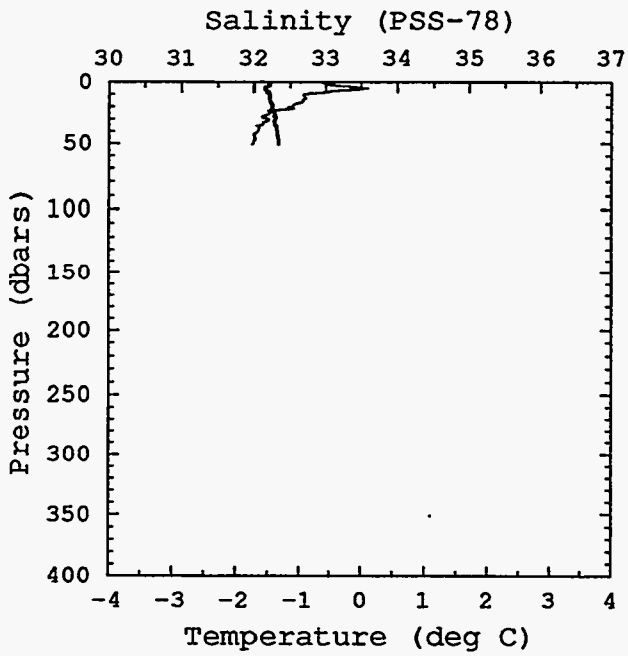
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 42 CTD 62
BOTTOM DEPTH= 388



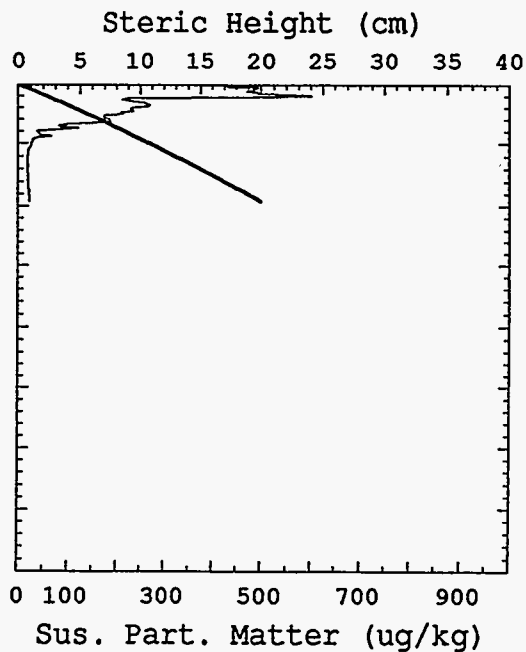
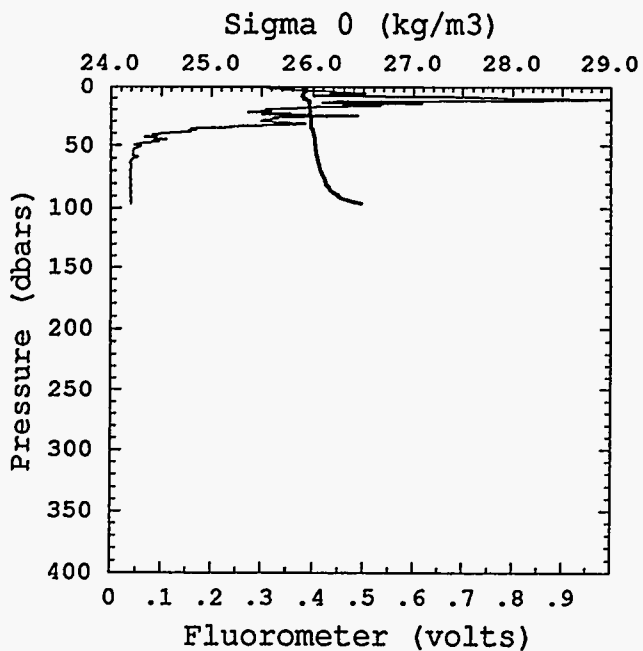
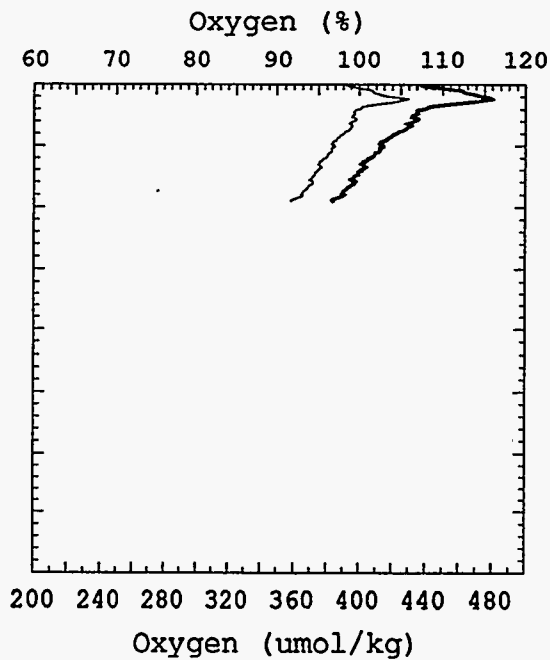
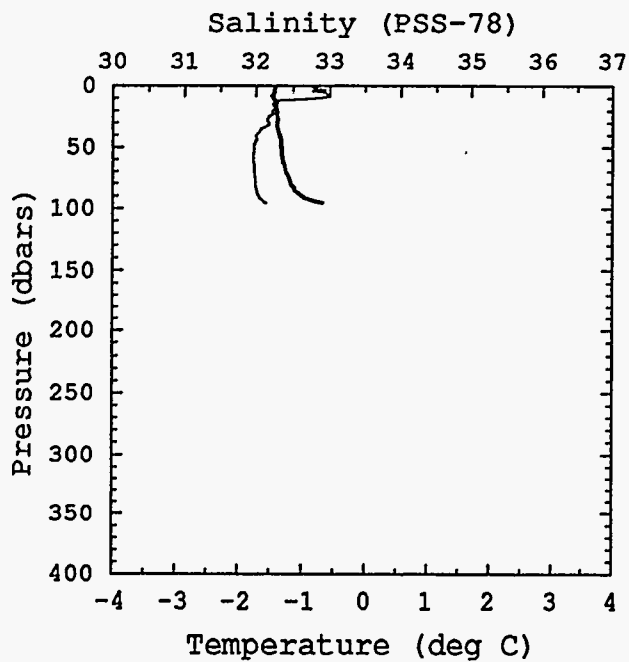
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 42 CTD 63
BOTTOM DEPTH= 51



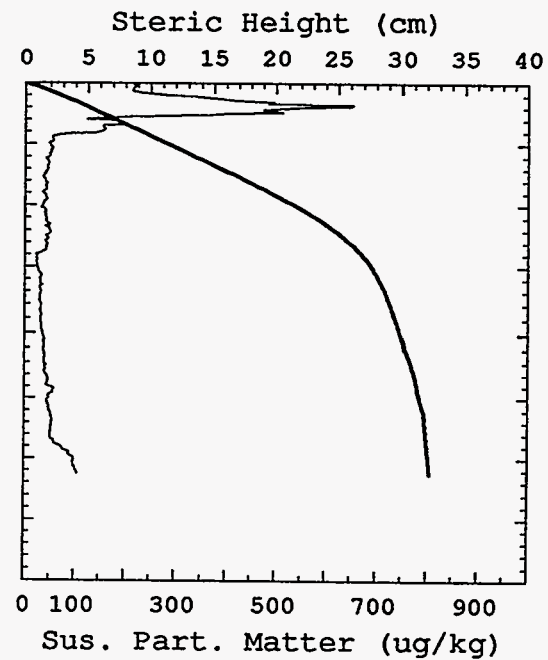
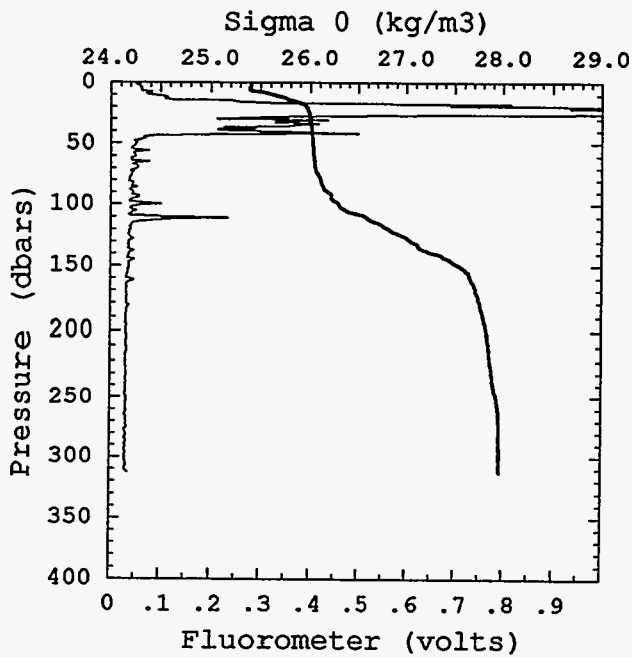
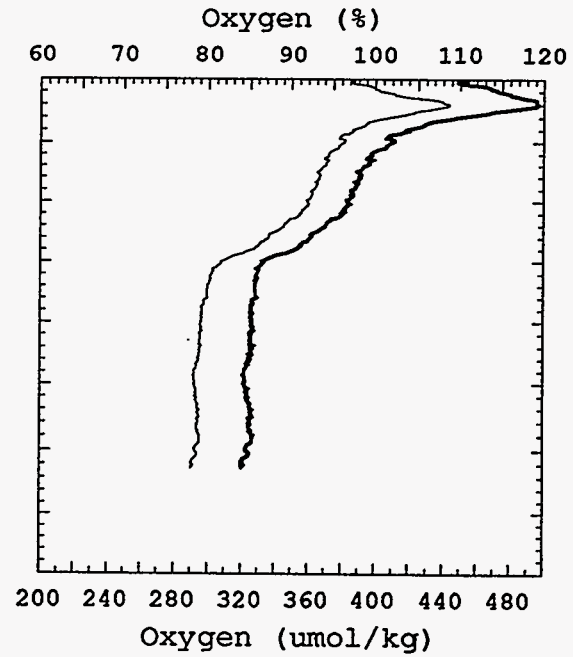
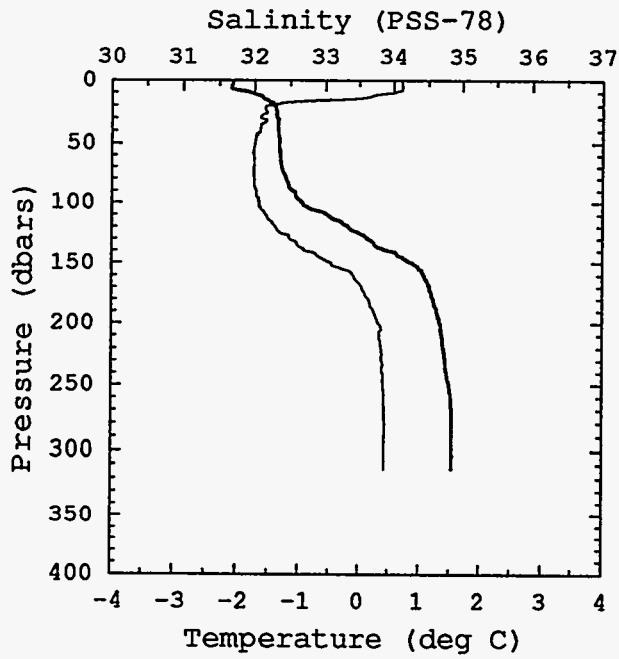
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 42 CTD 64
BOTTOM DEPTH= 96



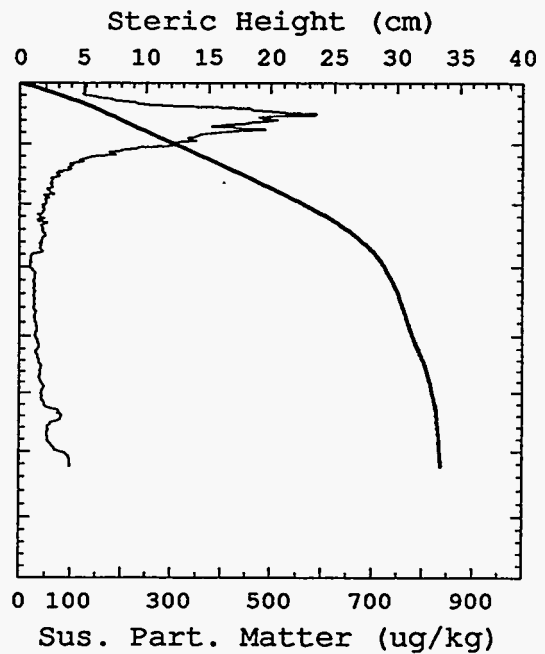
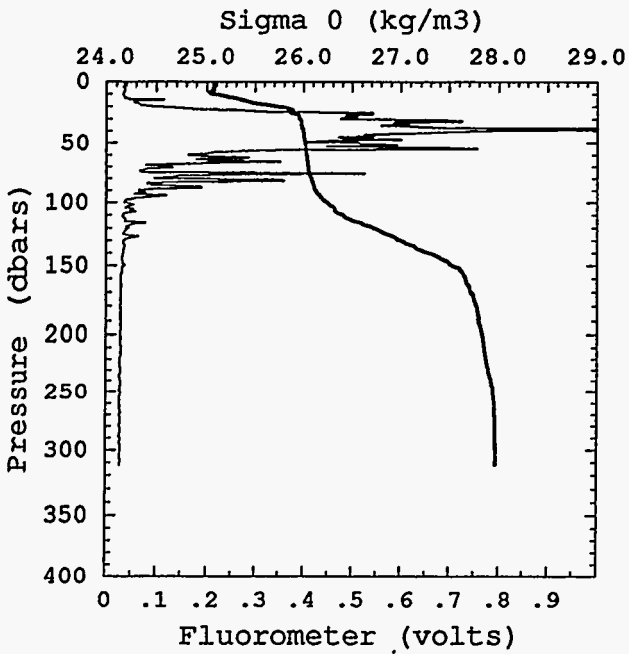
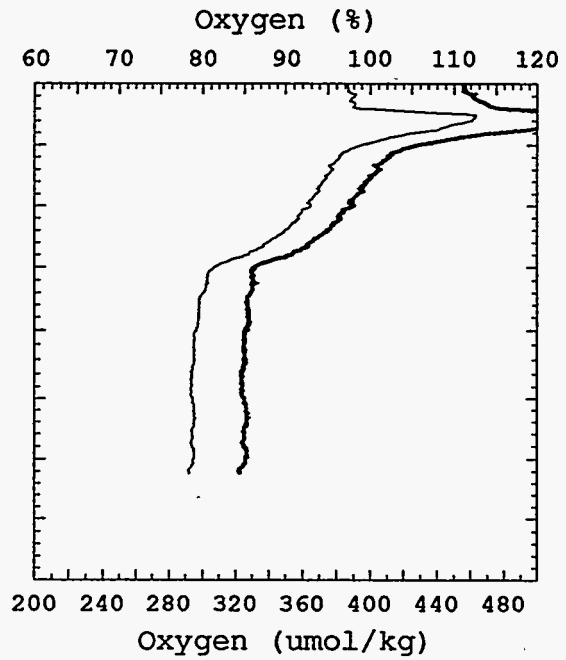
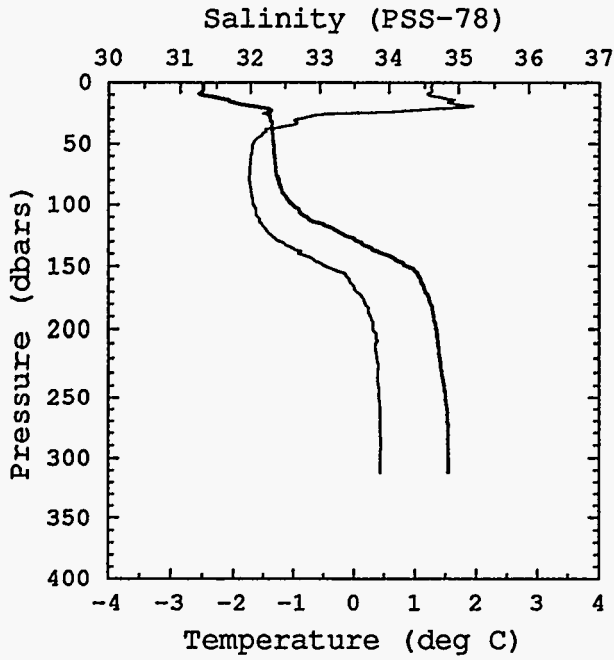
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 43 CTD 65
BOTTOM DEPTH= 313



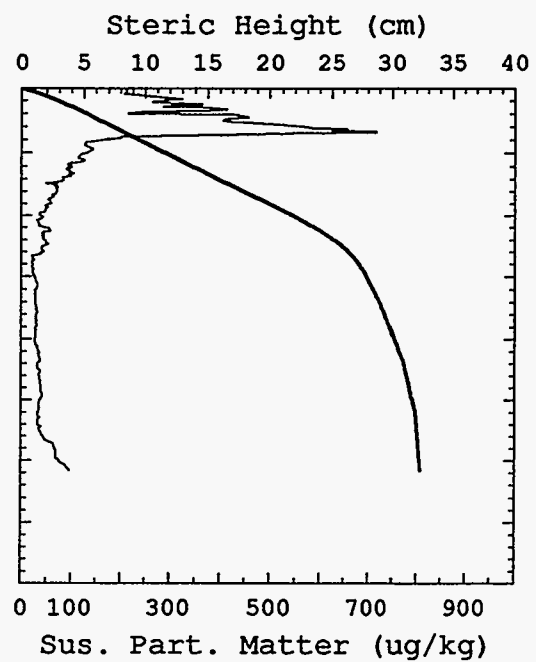
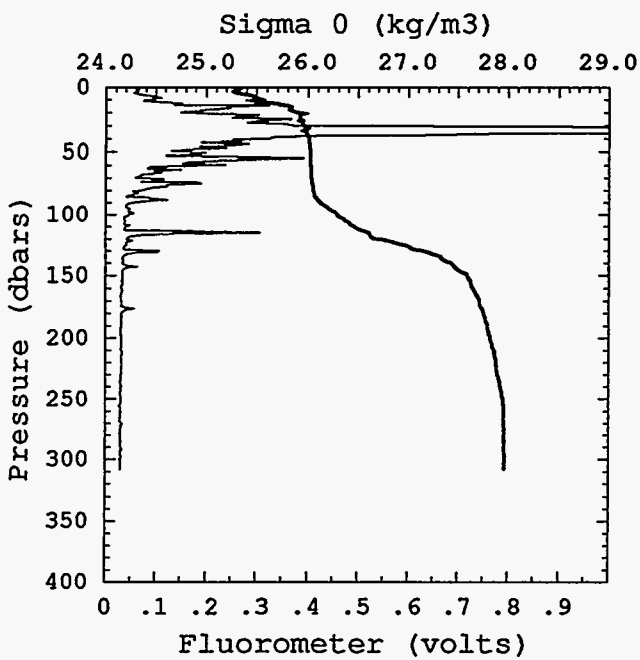
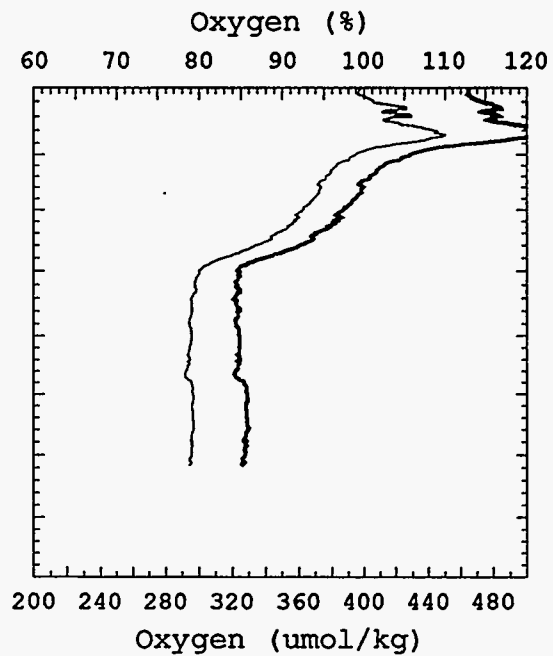
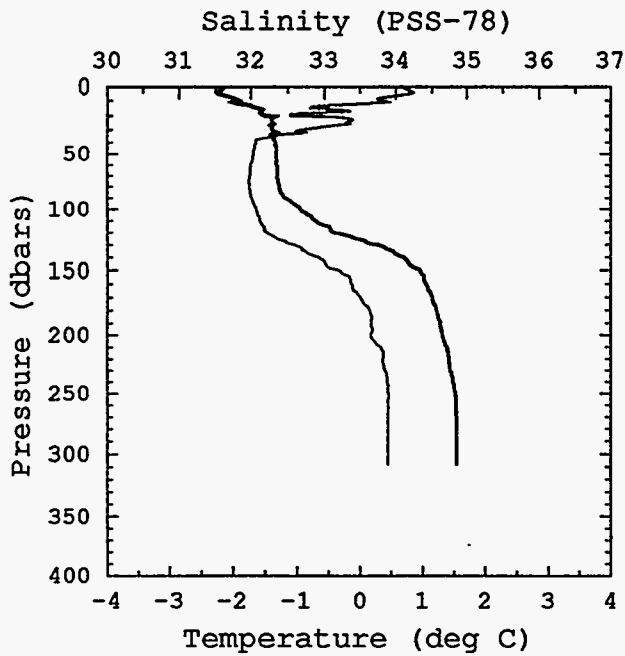
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 43 CTD 66
BOTTOM DEPTH= 312



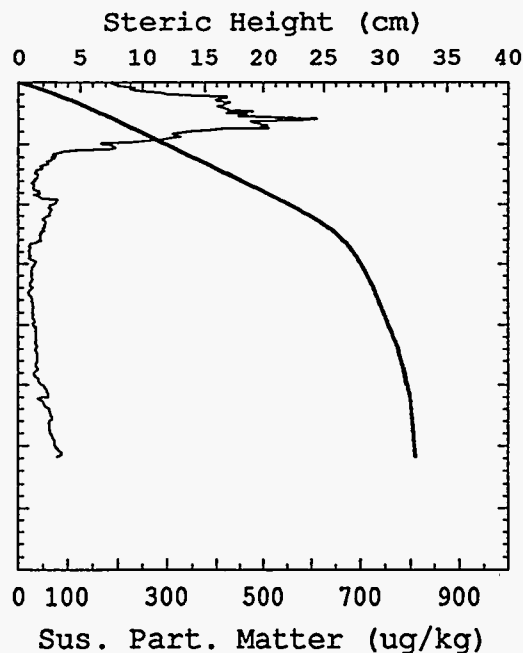
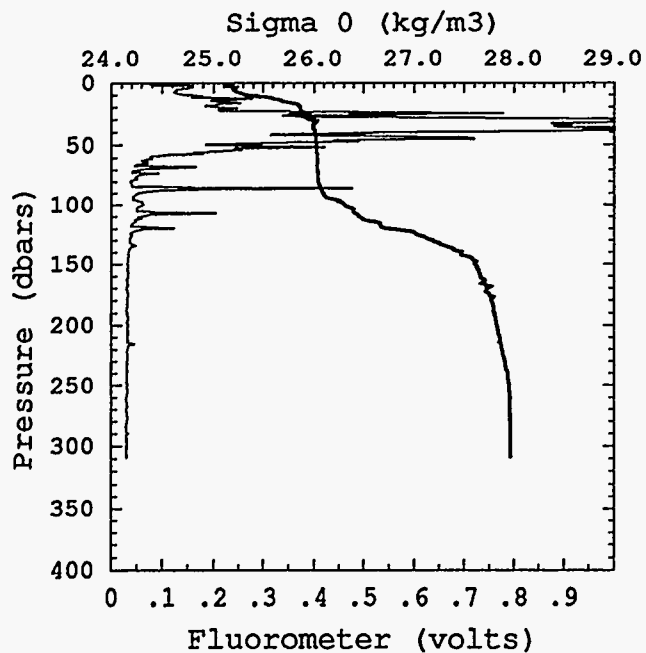
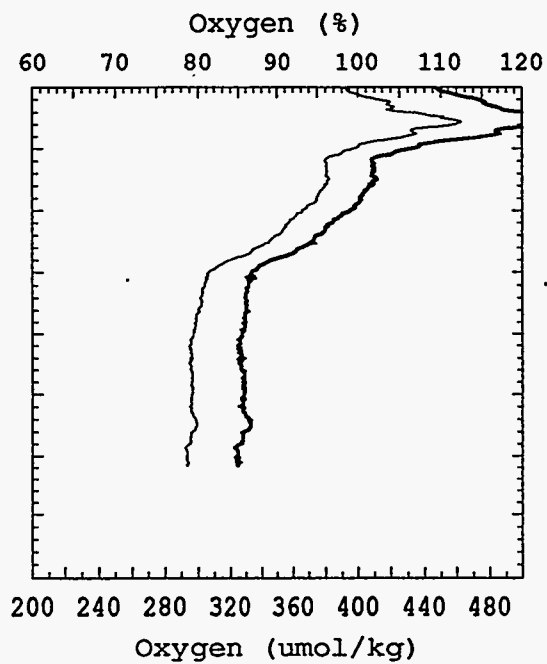
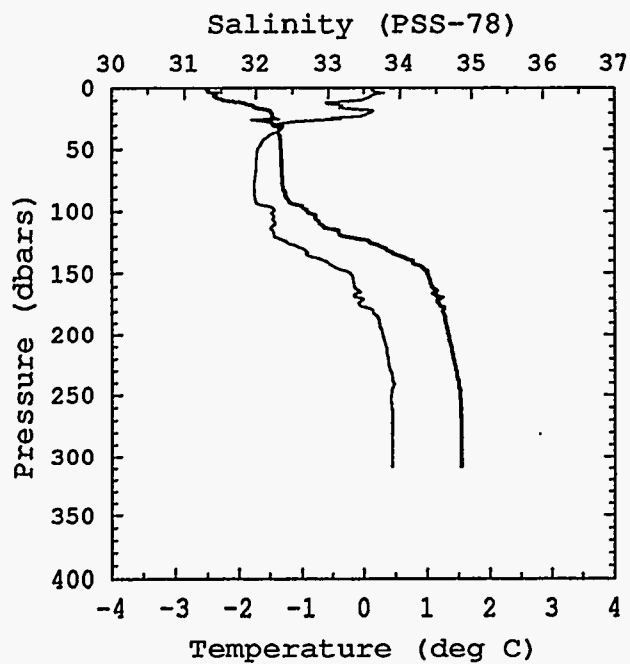
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 43 CTD 67
BOTTOM DEPTH= 308



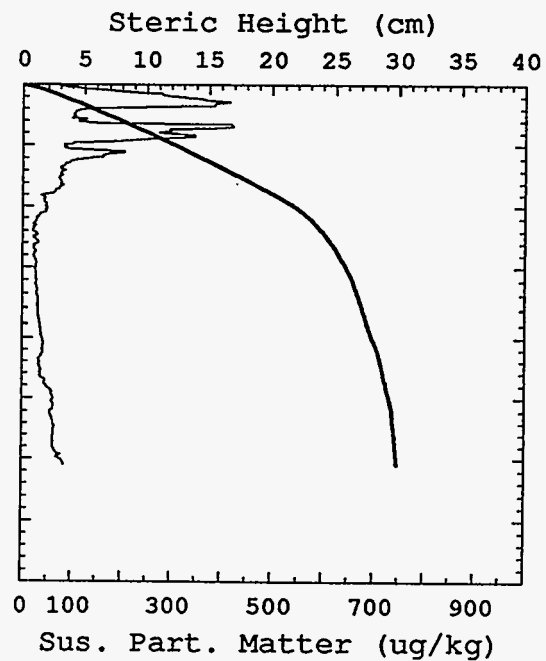
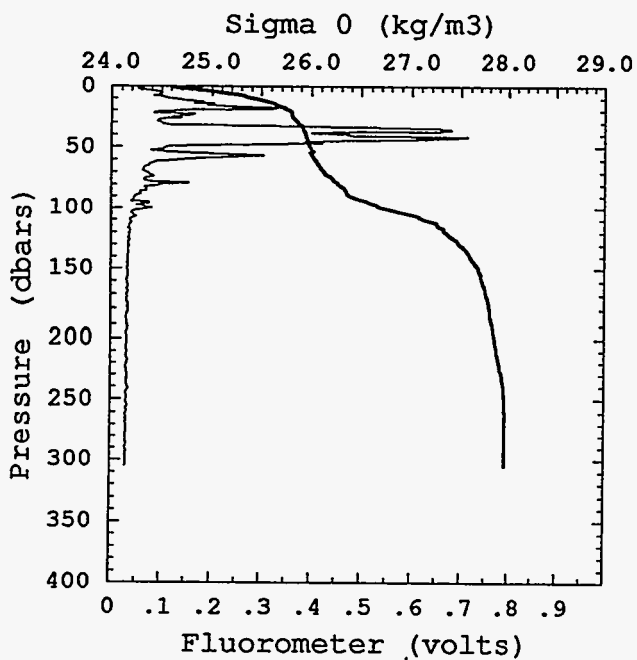
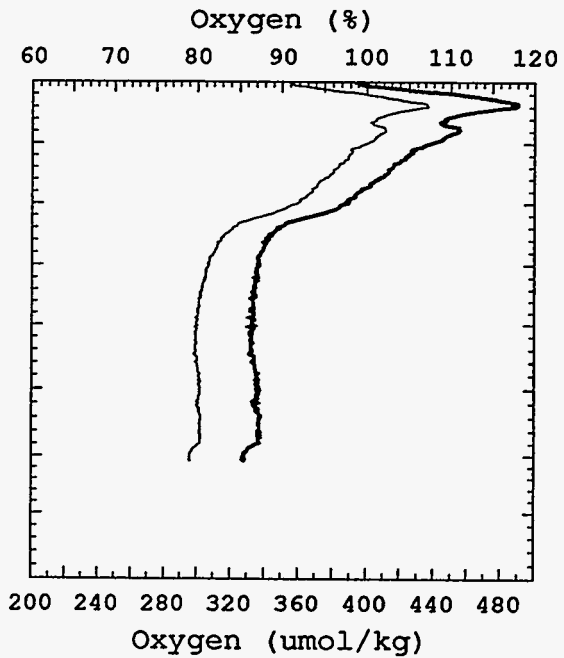
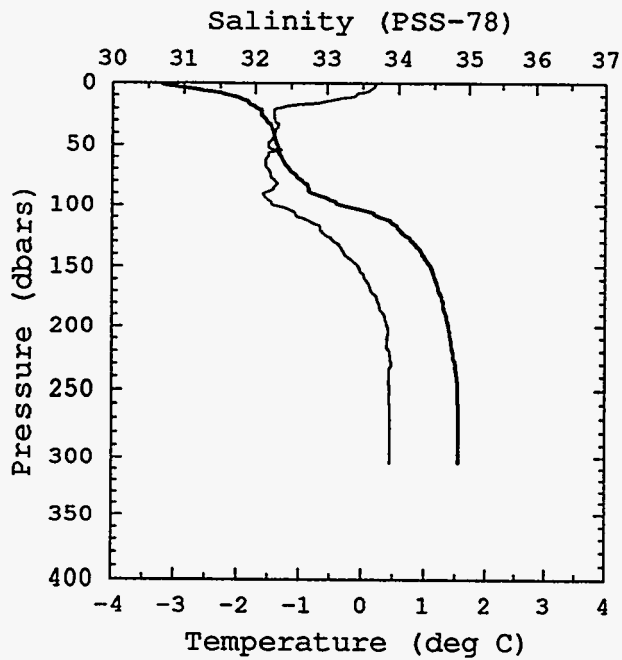
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 43 CTD 68
BOTTOM DEPTH= 309



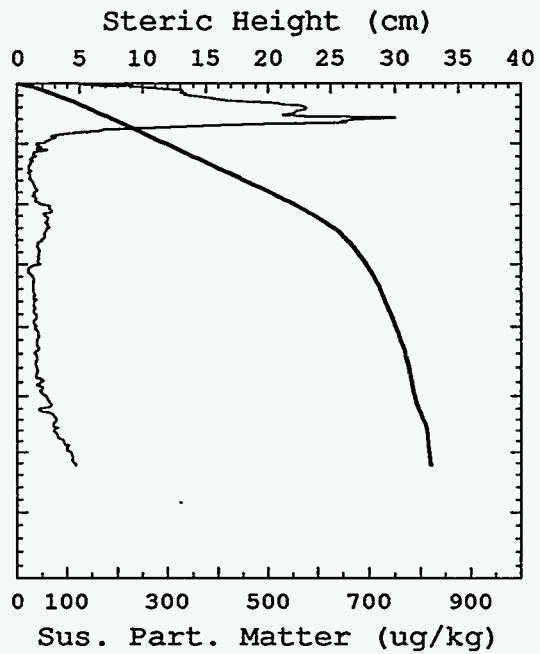
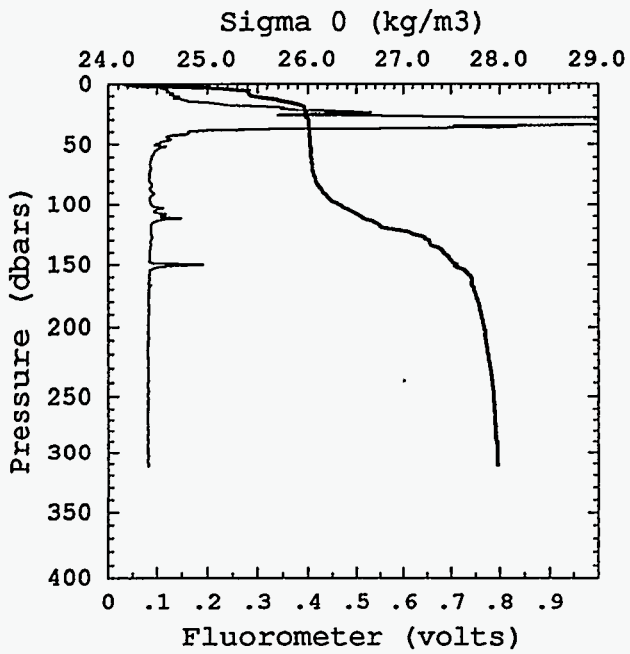
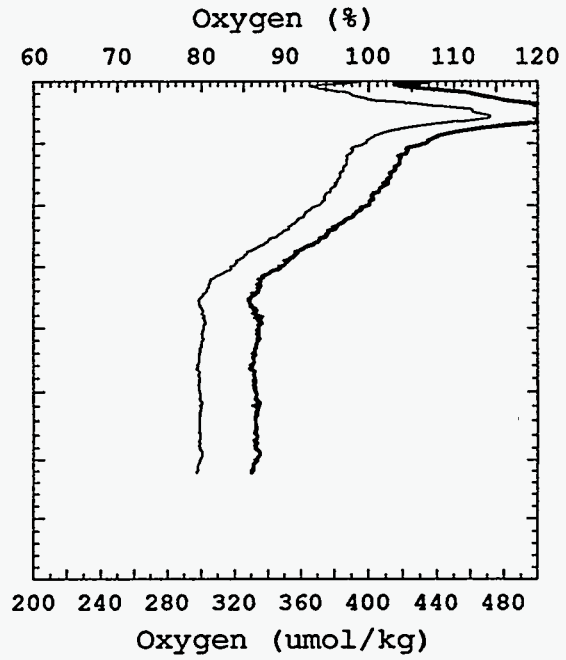
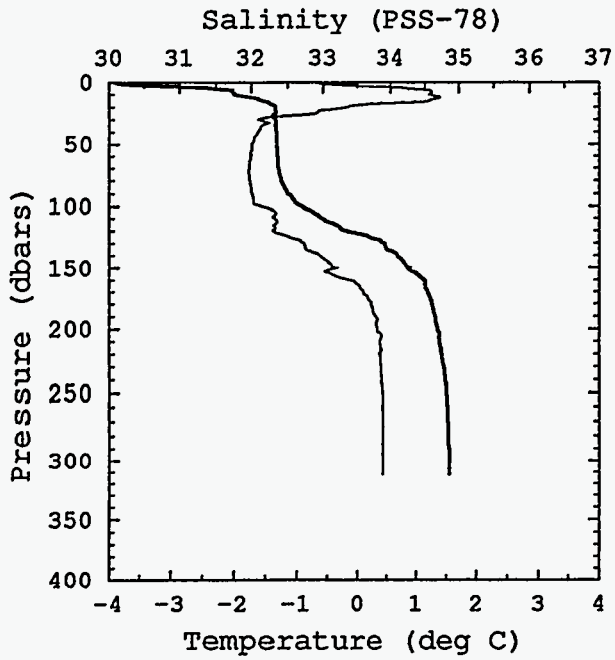
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 43 CTD 69
BOTTOM DEPTH= 305



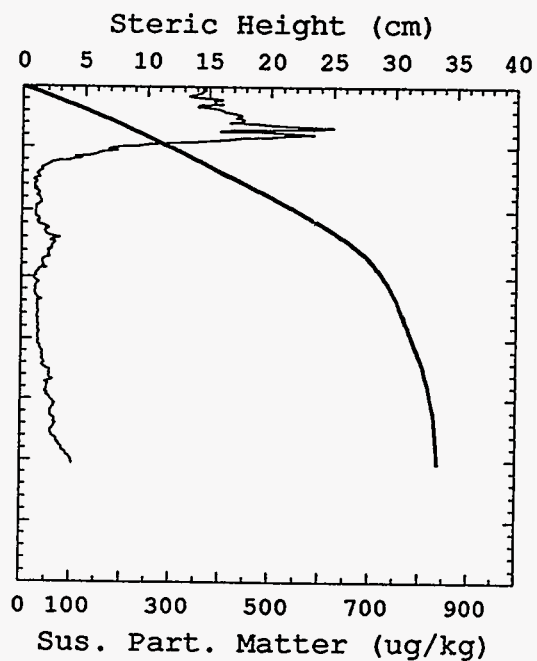
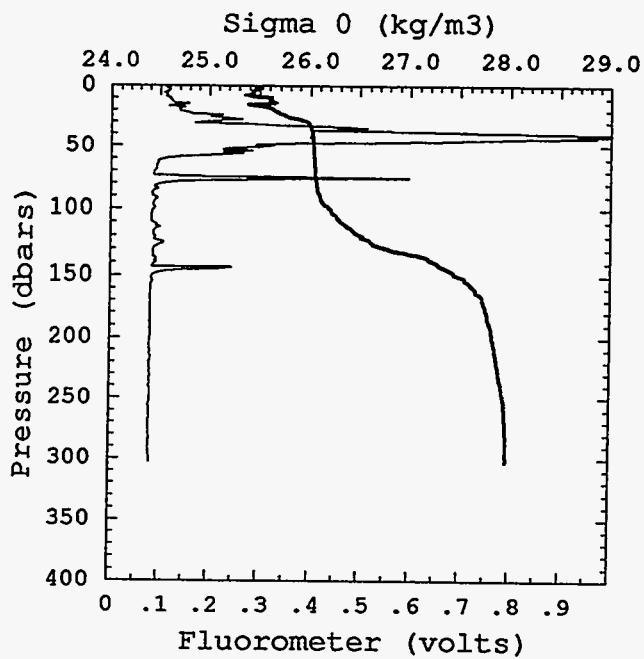
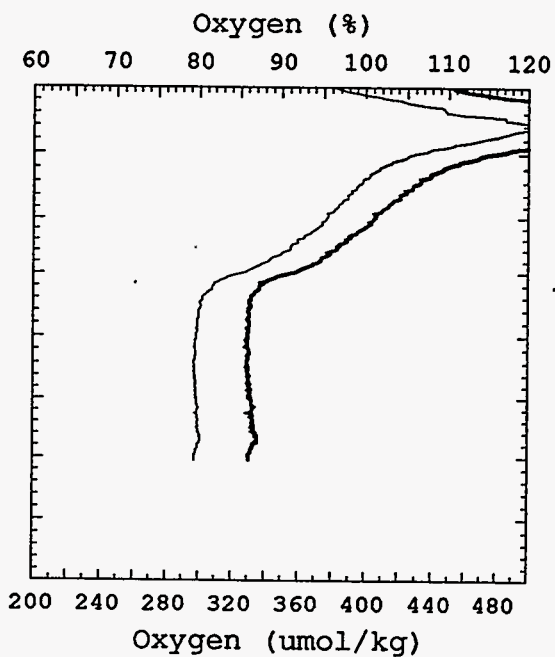
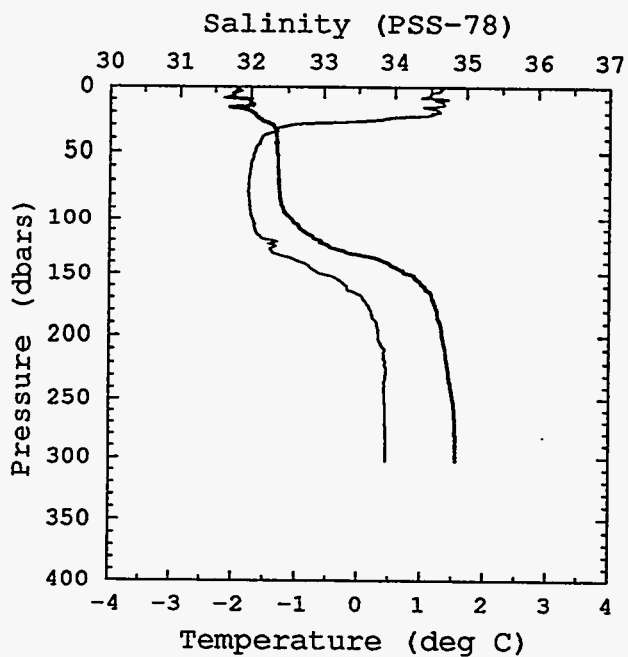
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 43 CTD 70
BOTTOM DEPTH= 312



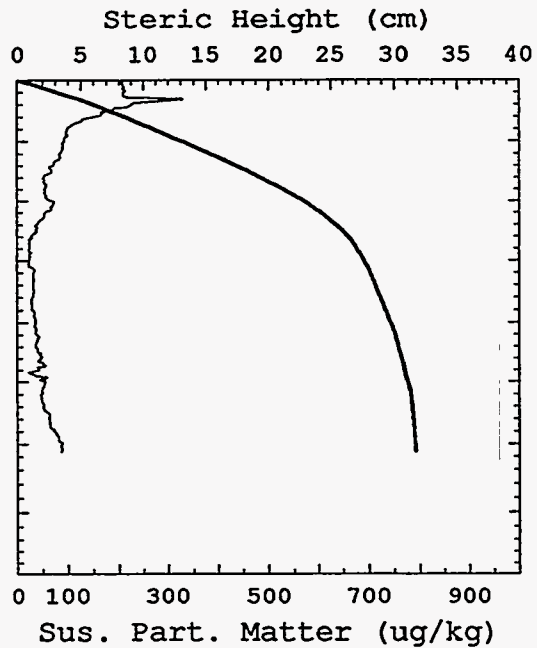
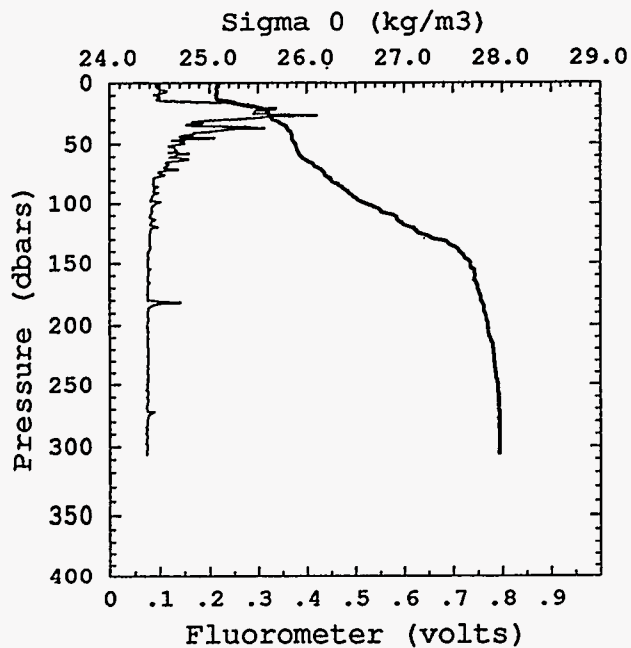
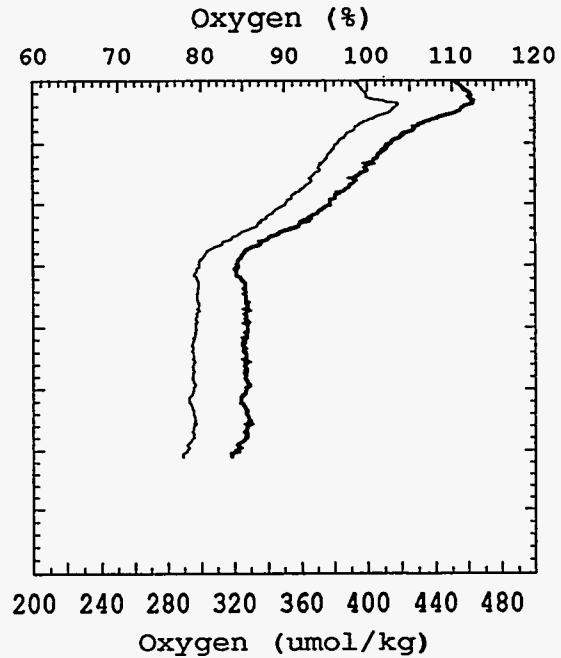
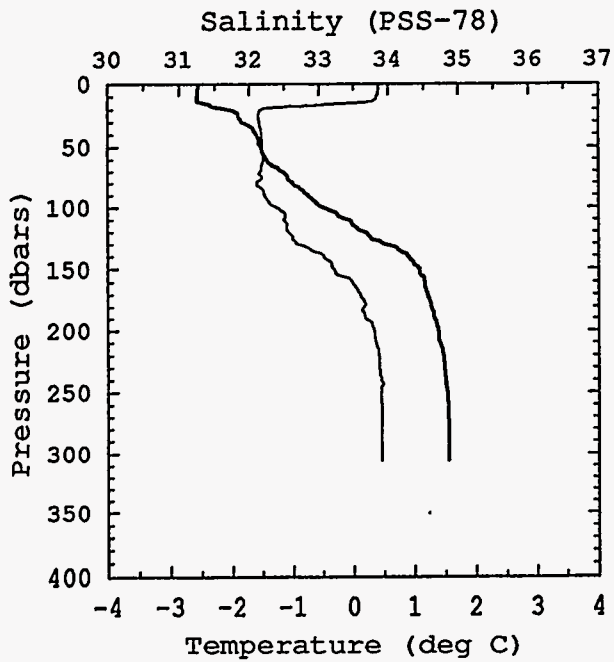
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 43 CTD 71
BOTTOM DEPTH= 303



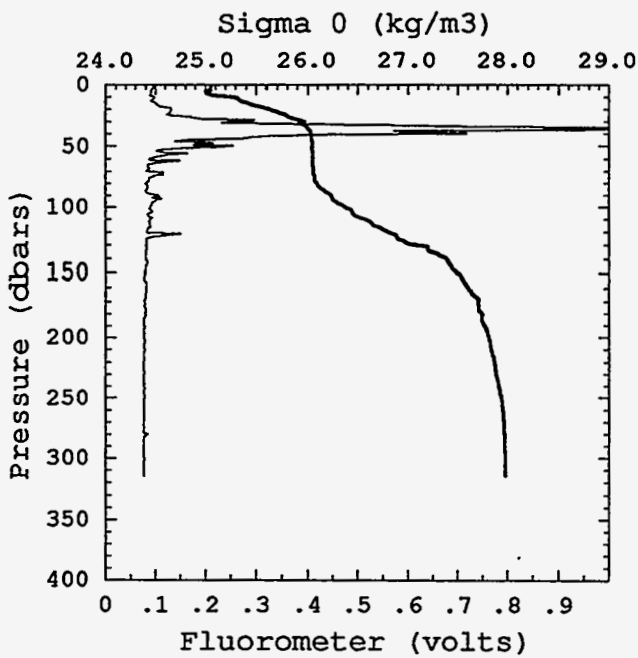
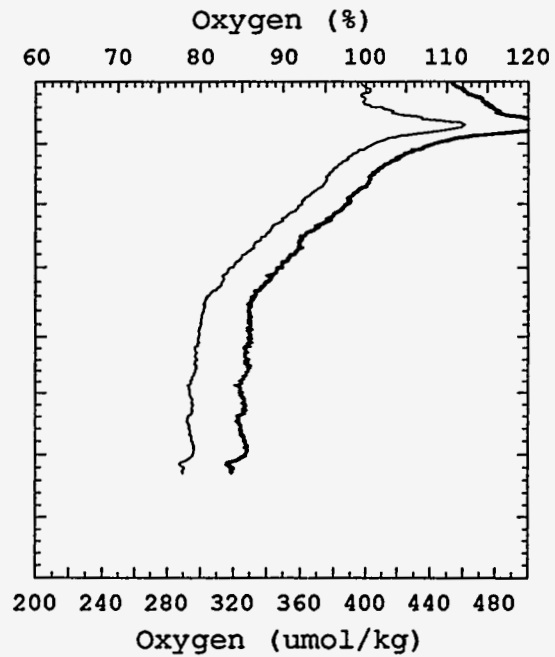
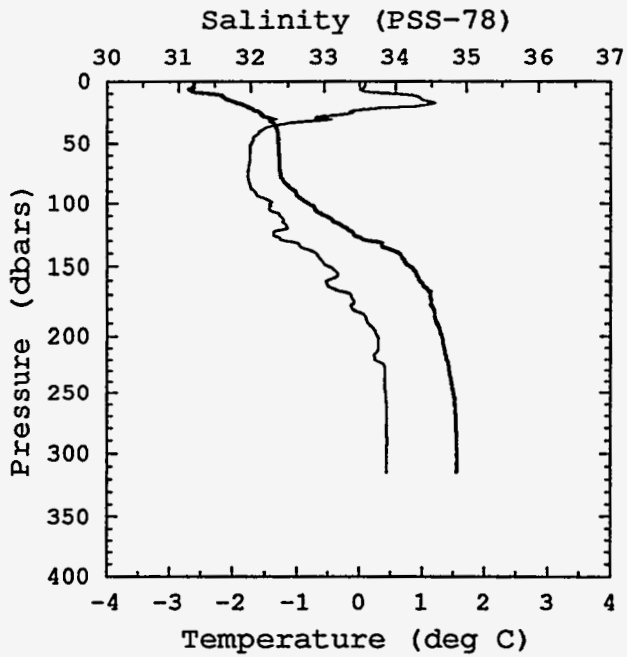
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 43 CTD 72
BOTTOM DEPTH= 306



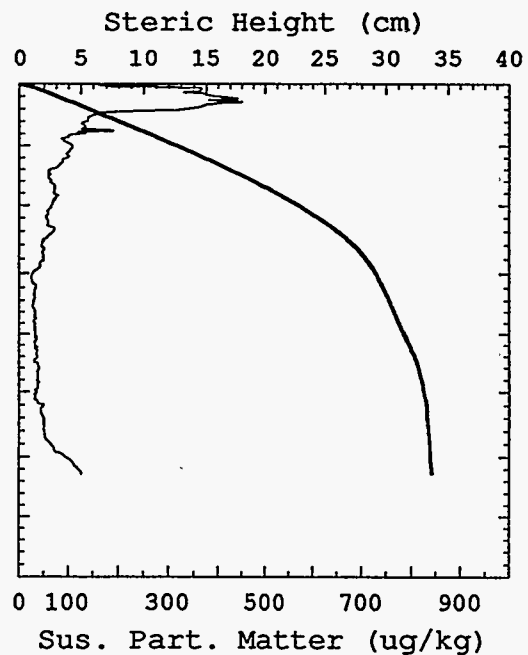
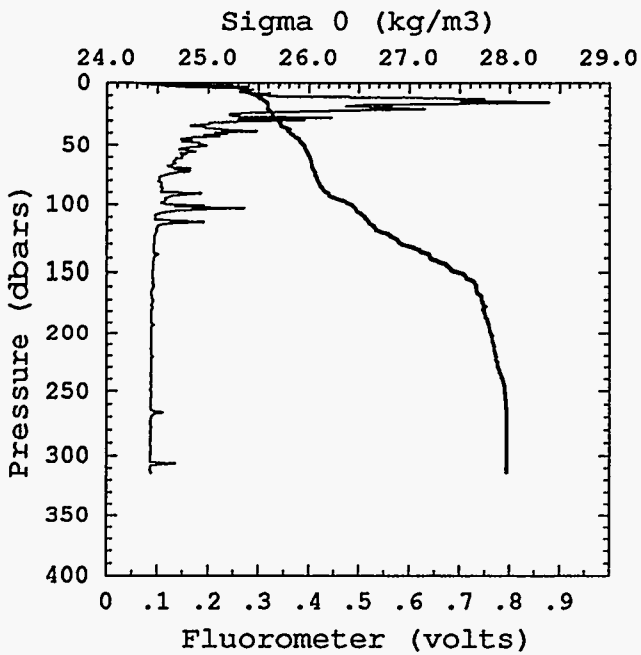
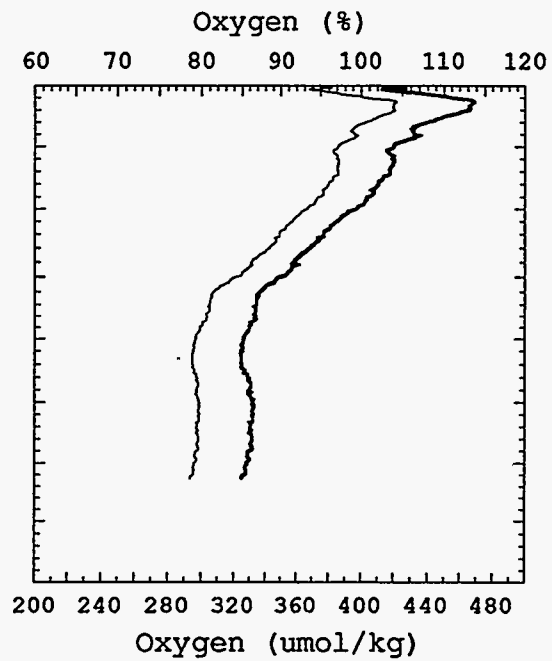
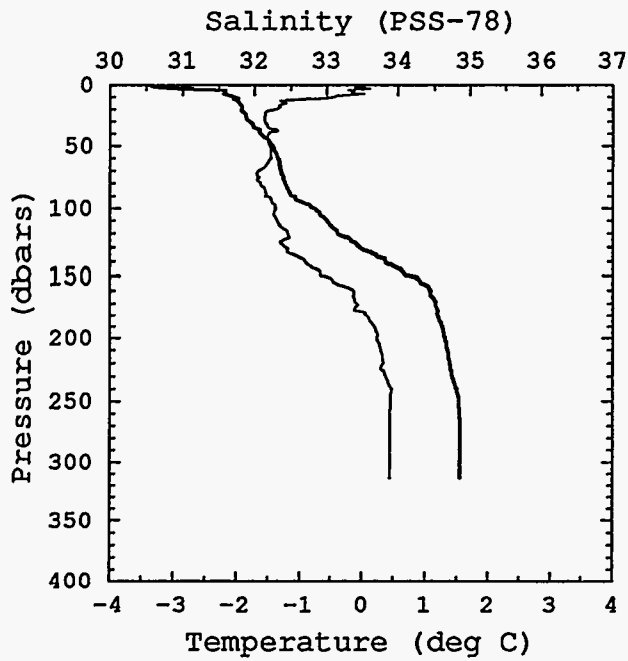
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 43 CTD 73
BOTTOM DEPTH= 315



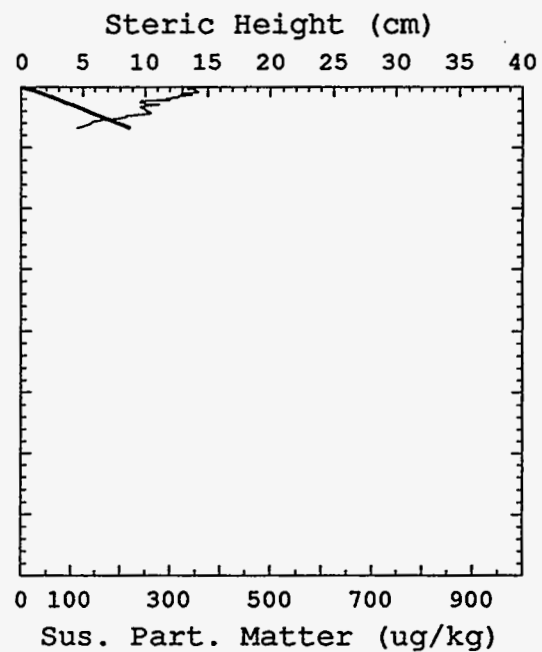
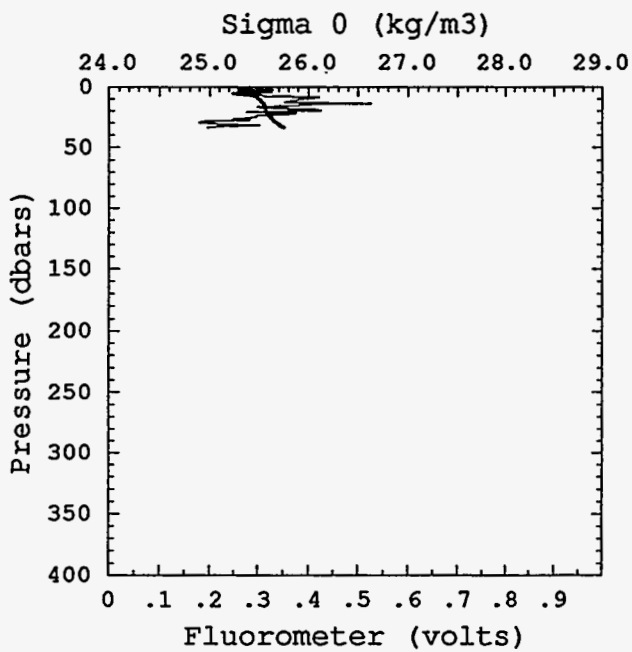
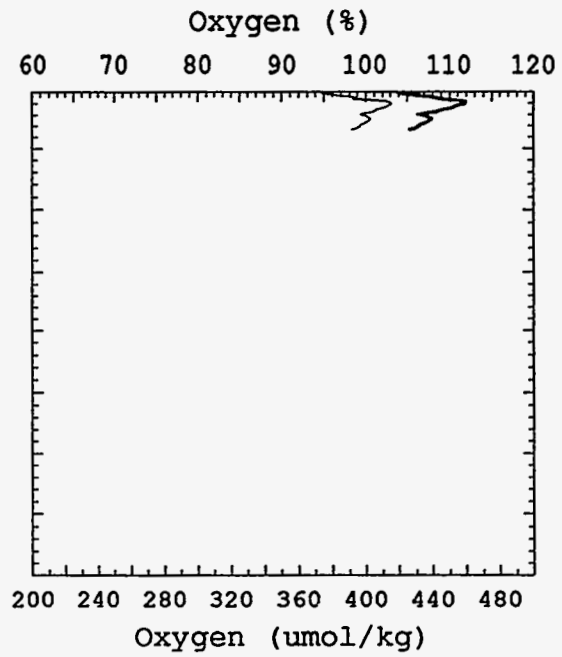
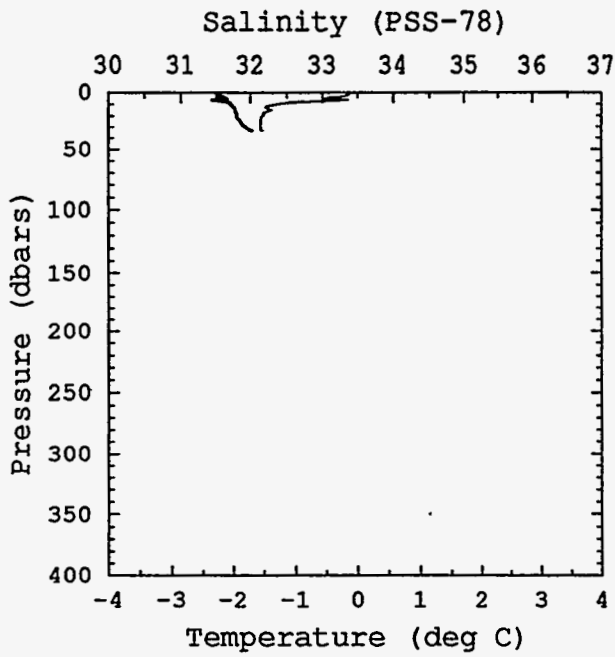
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 43 CTD 74
BOTTOM DEPTH= 314



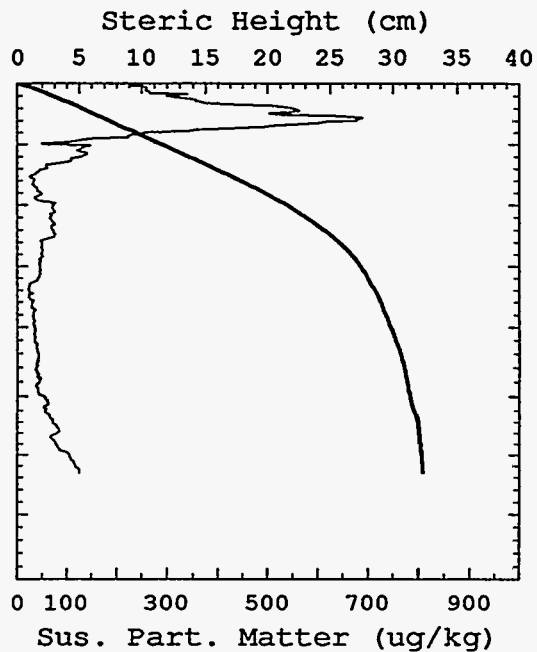
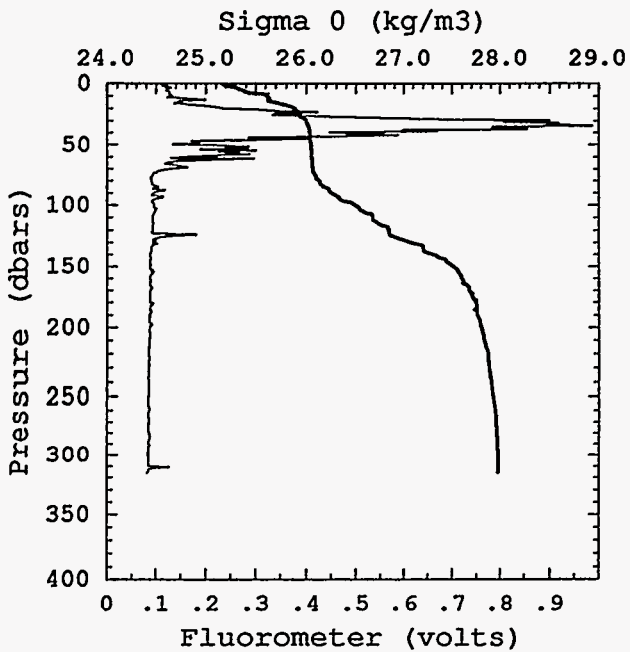
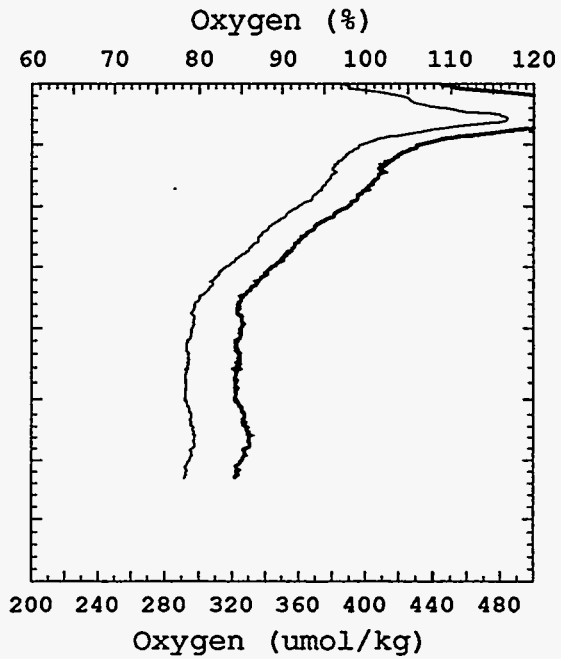
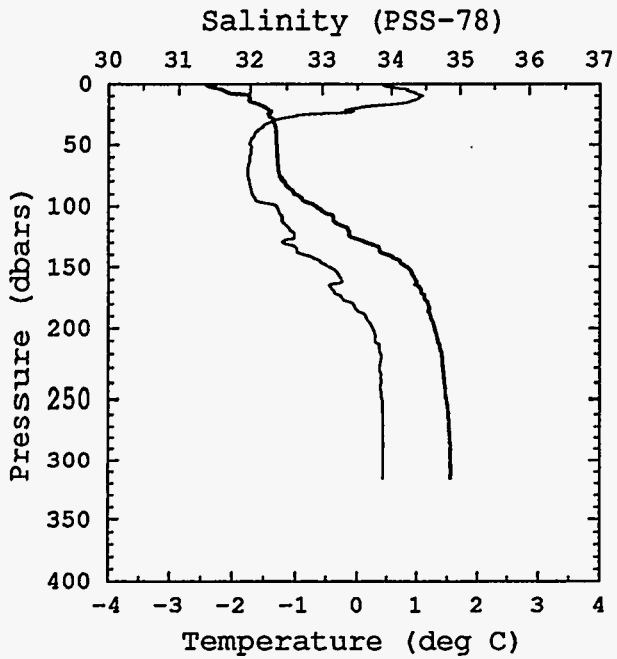
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 43 CTD 75
BOTTOM DEPTH= 34



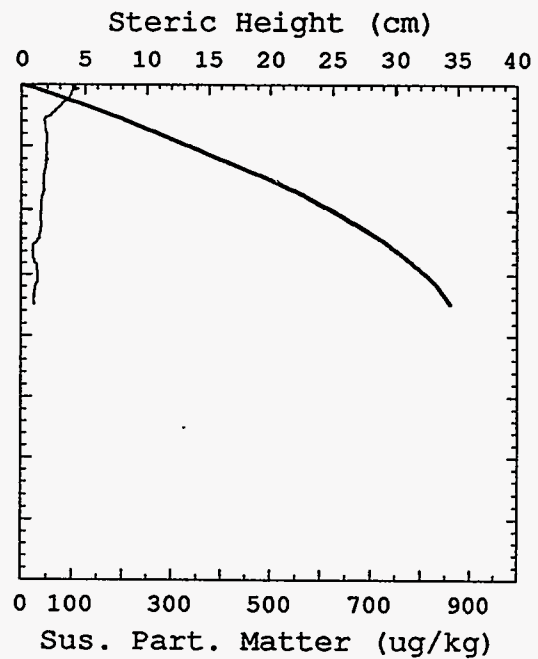
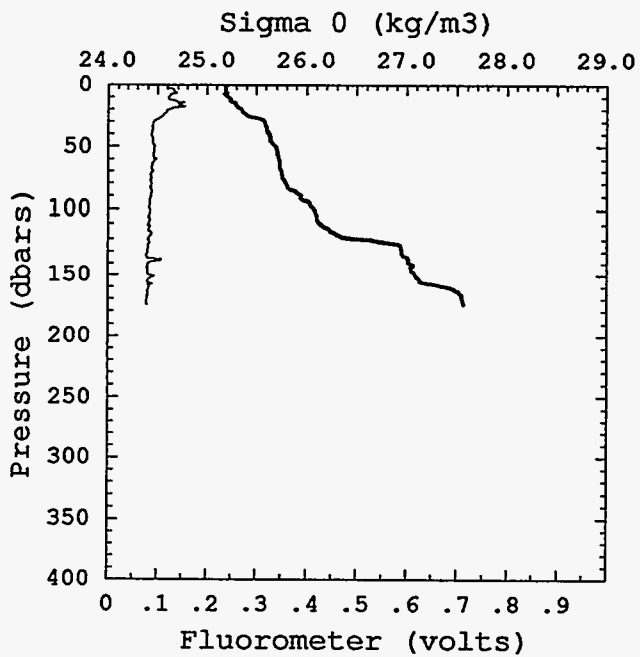
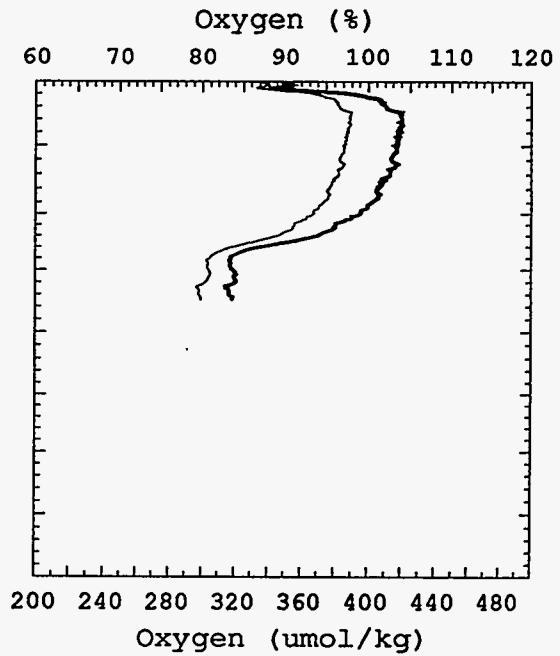
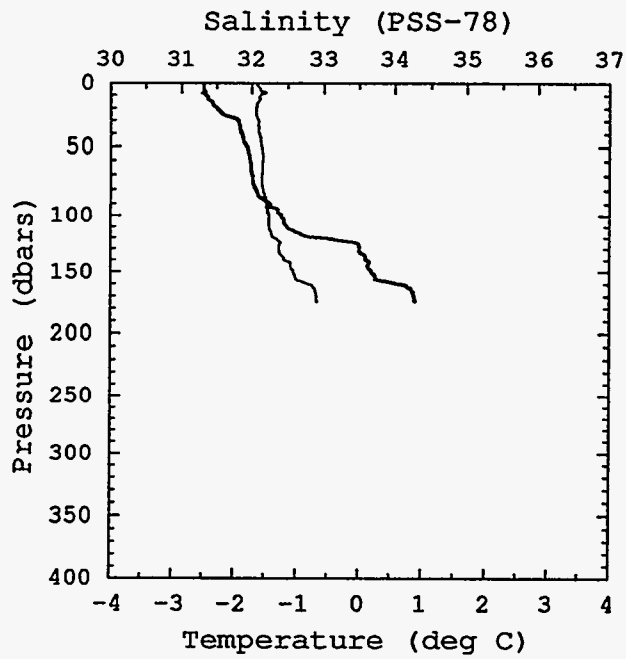
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 43 CTD 76
BOTTOM DEPTH= 316



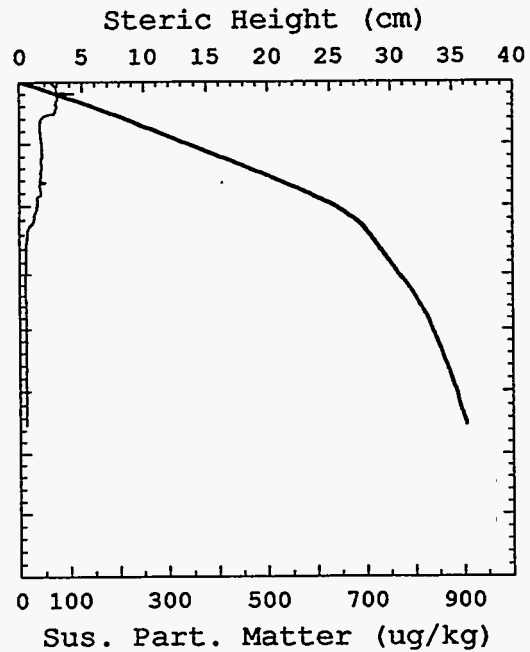
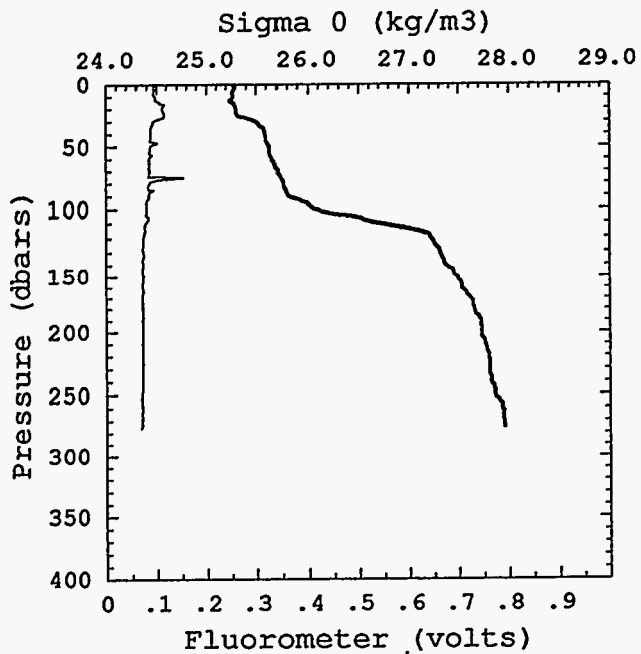
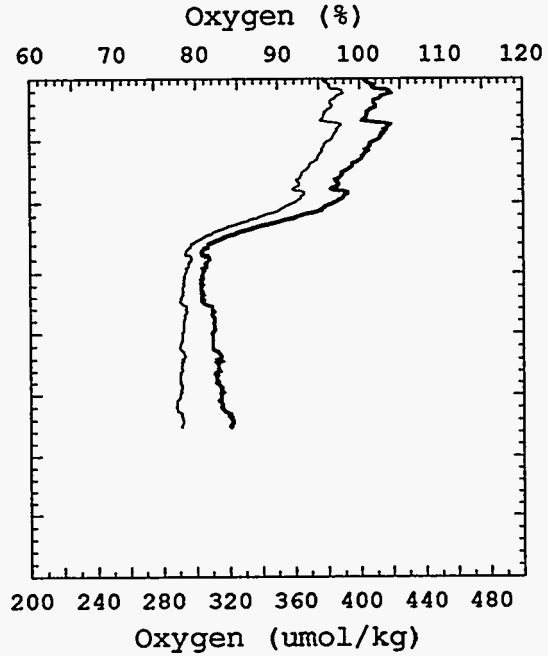
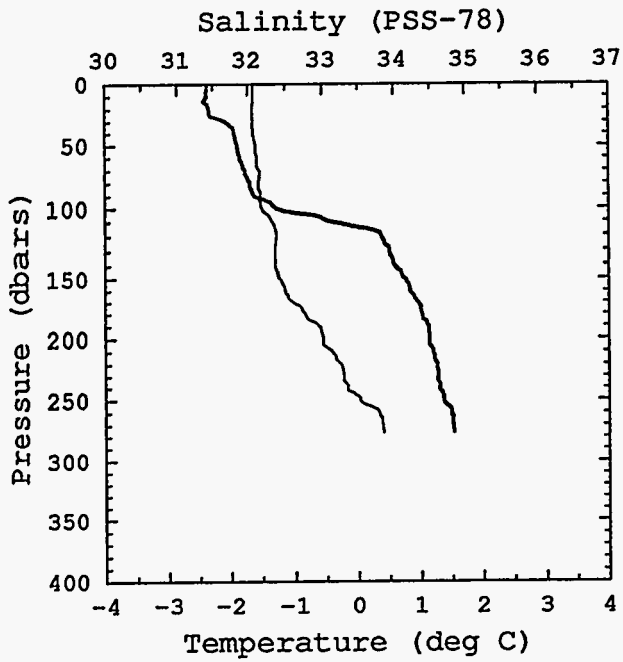
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 44 CTD 77
BOTTOM DEPTH= 175



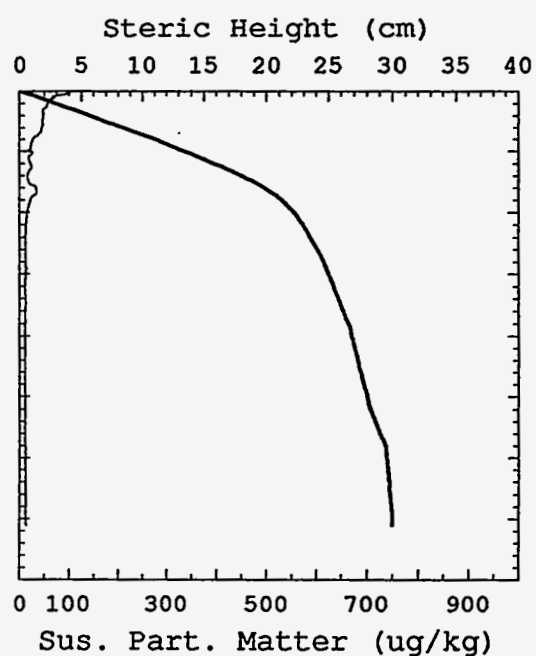
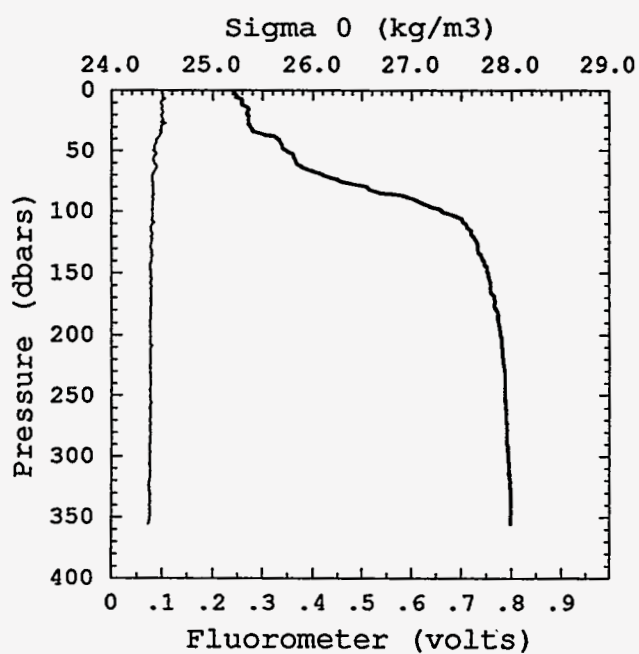
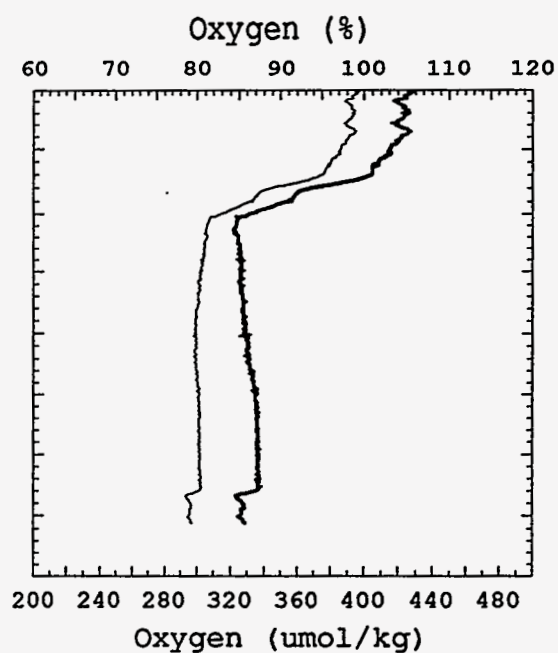
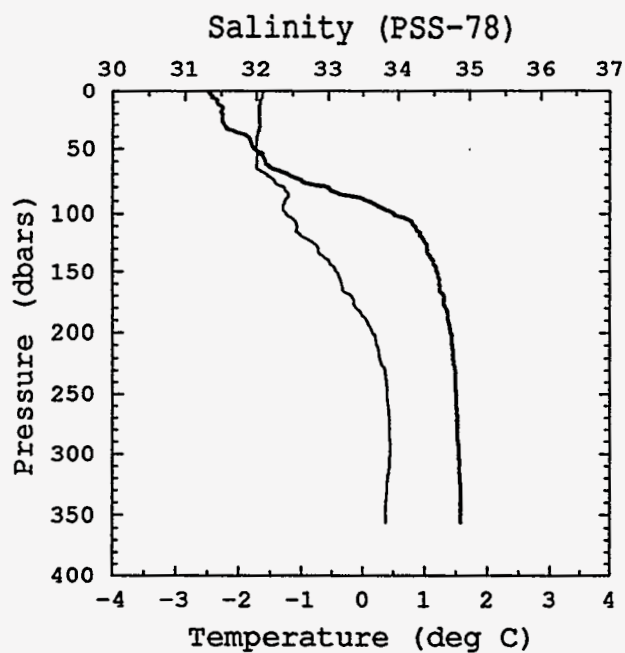
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 45 CTD 78
BOTTOM DEPTH= 276



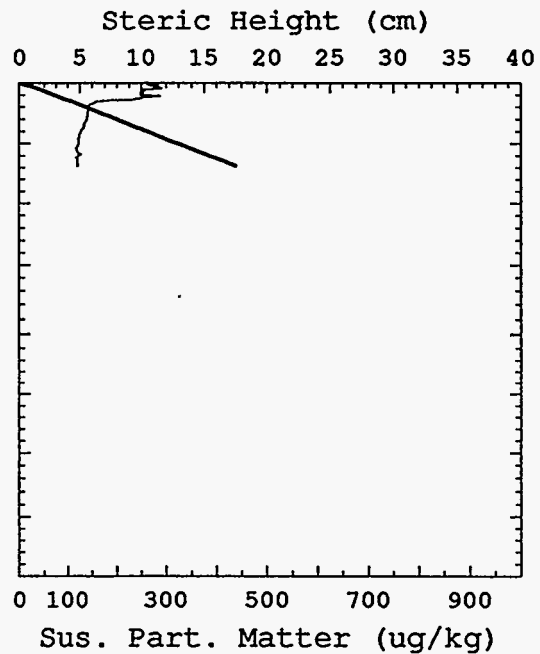
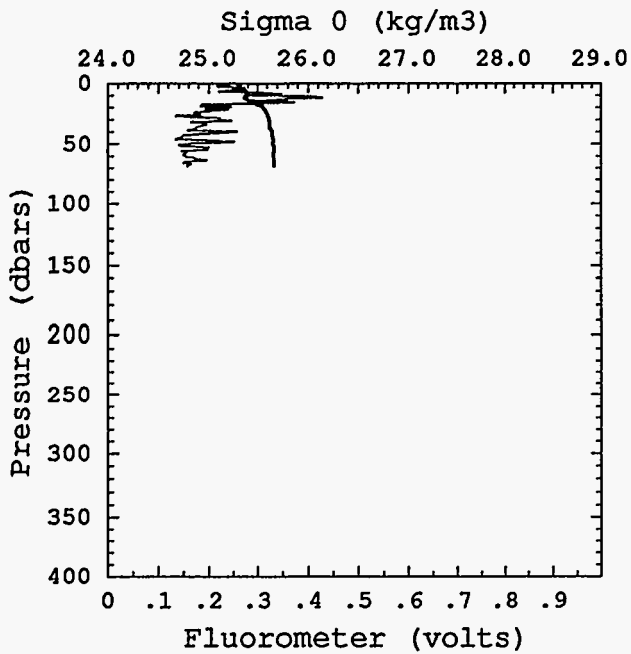
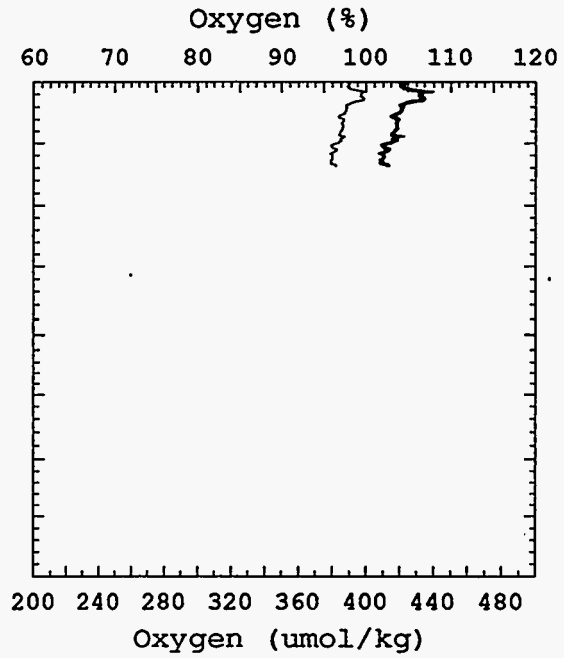
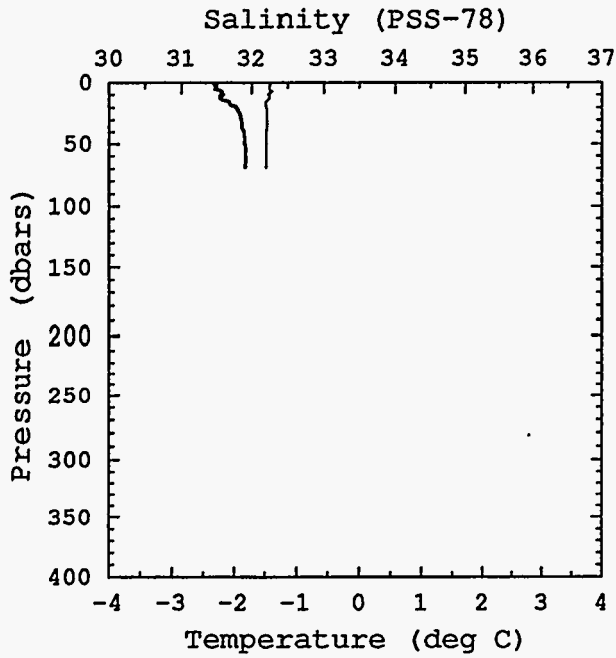
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 46 CTD 79
BOTTOM DEPTH= 356



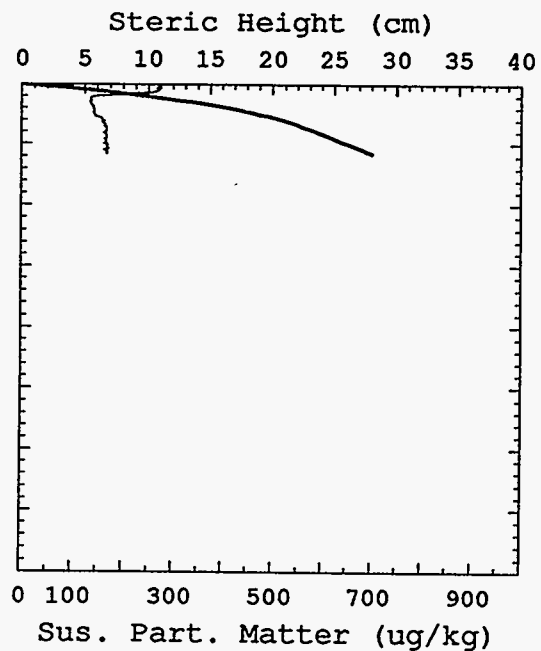
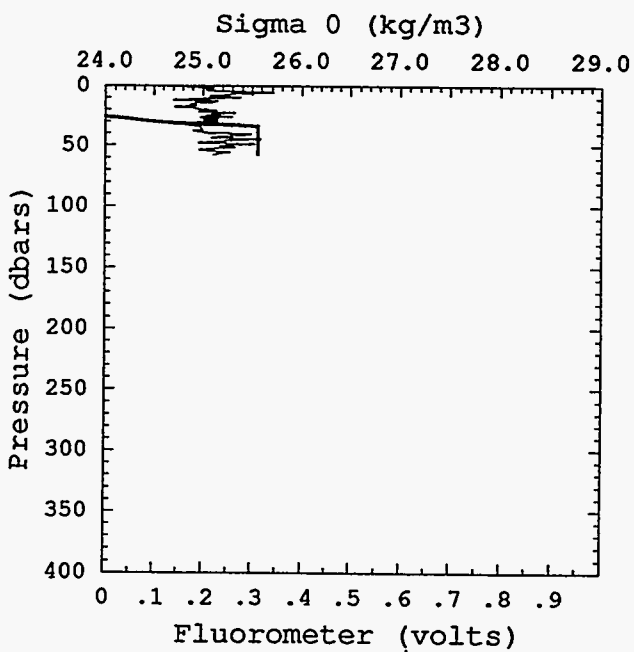
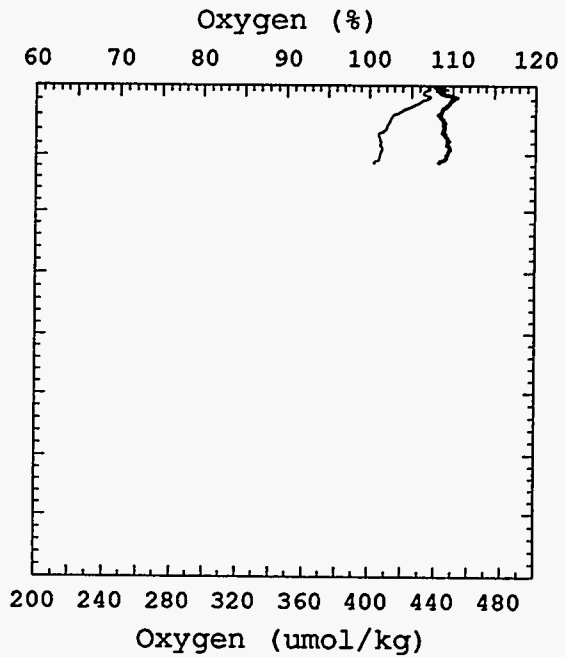
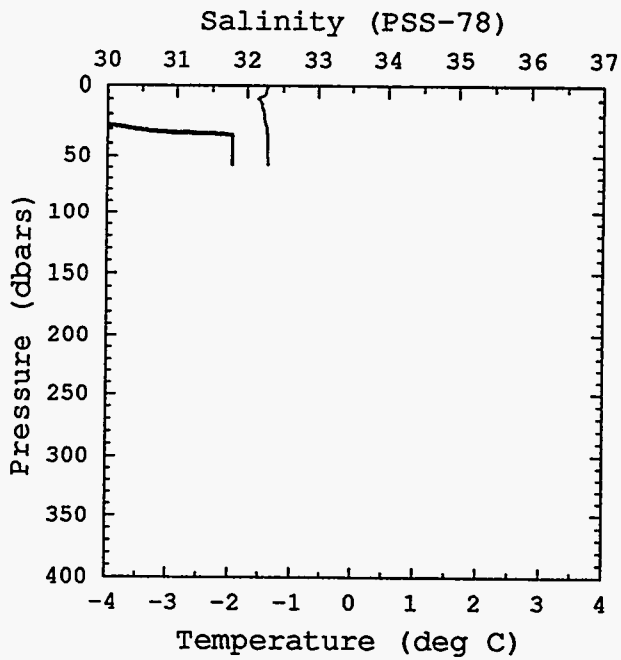
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 47 CTD 80
BOTTOM DEPTH= 69



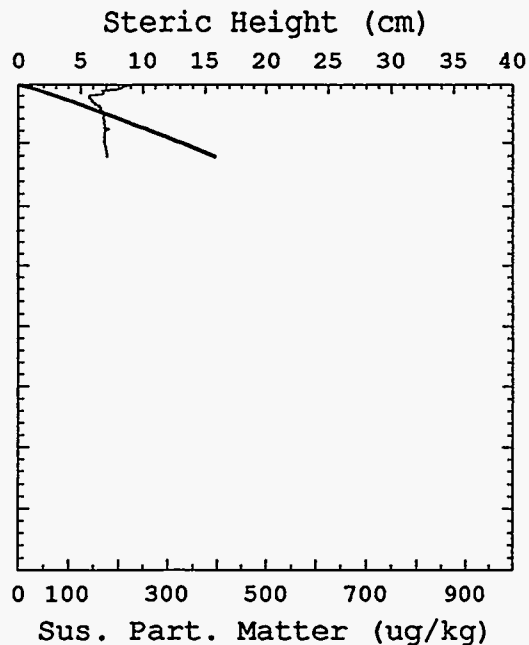
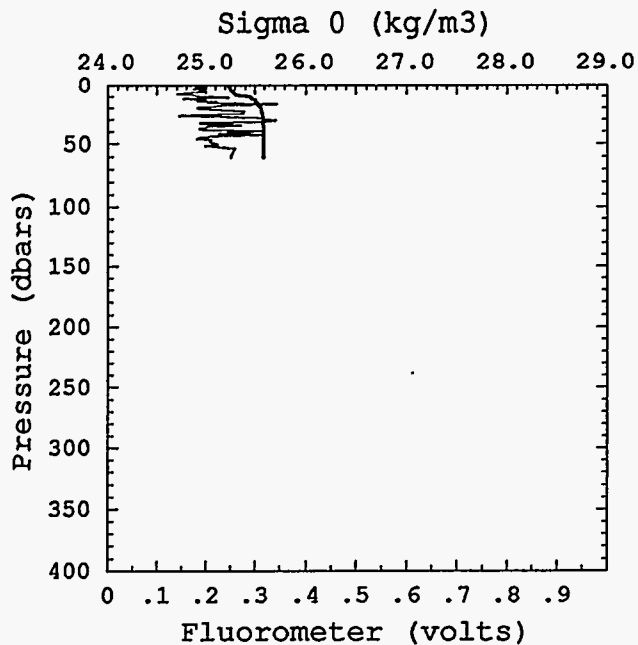
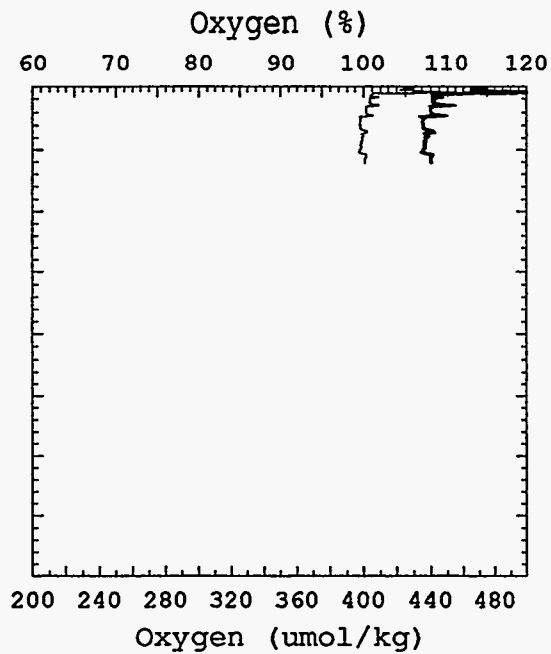
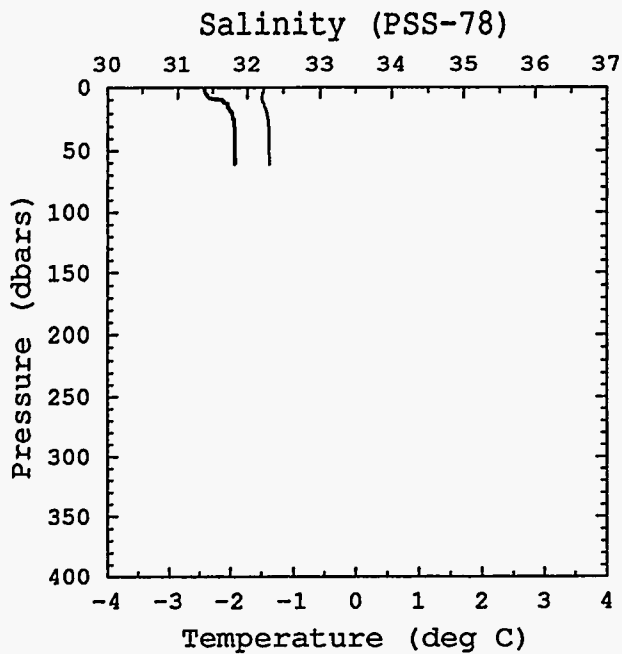
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 48 CTD 81
BOTTOM DEPTH= 58



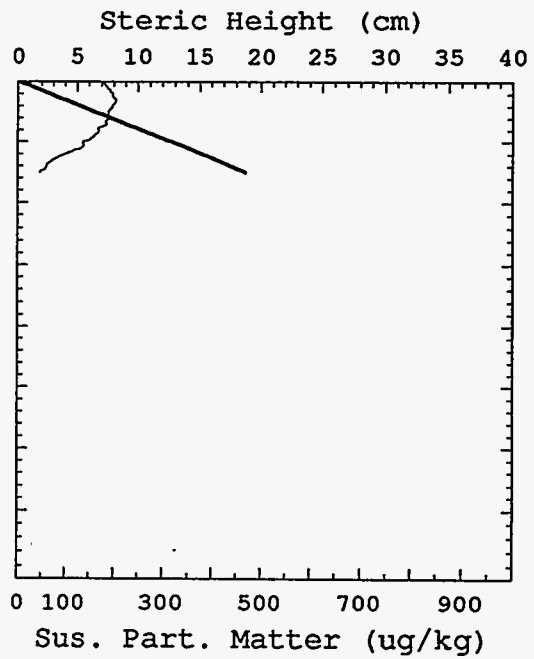
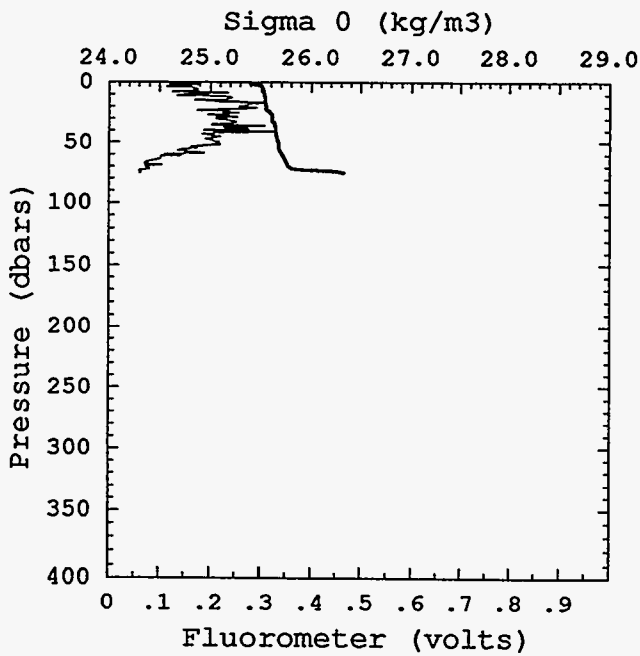
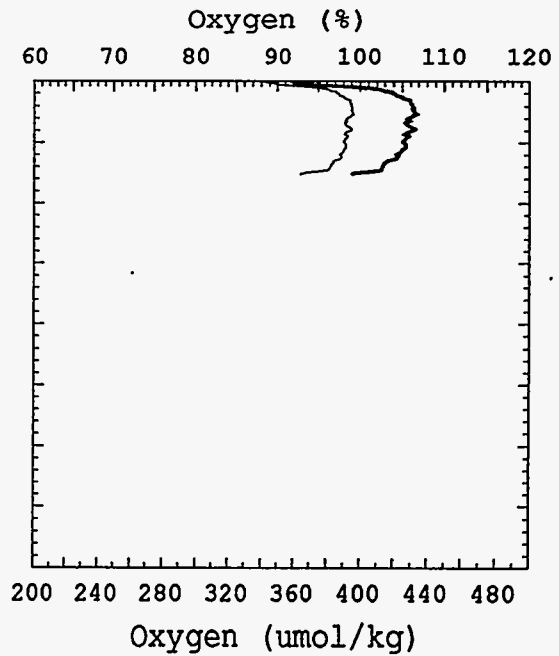
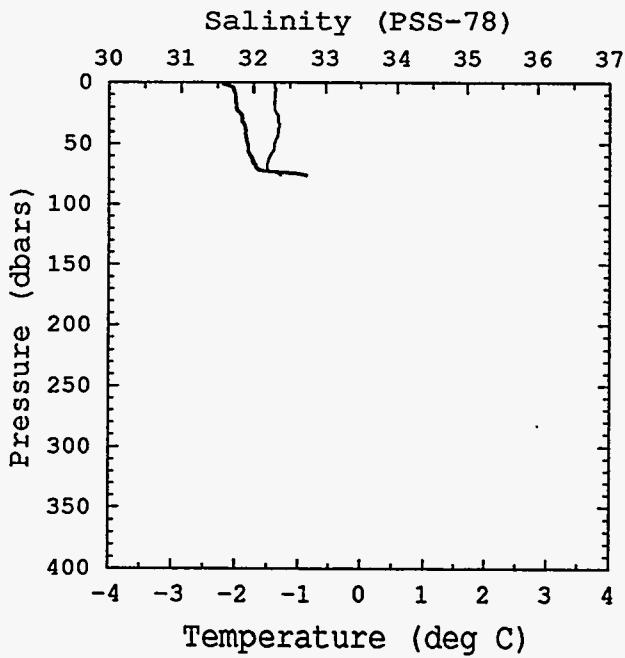
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 48 CTD 82
BOTTOM DEPTH= 61



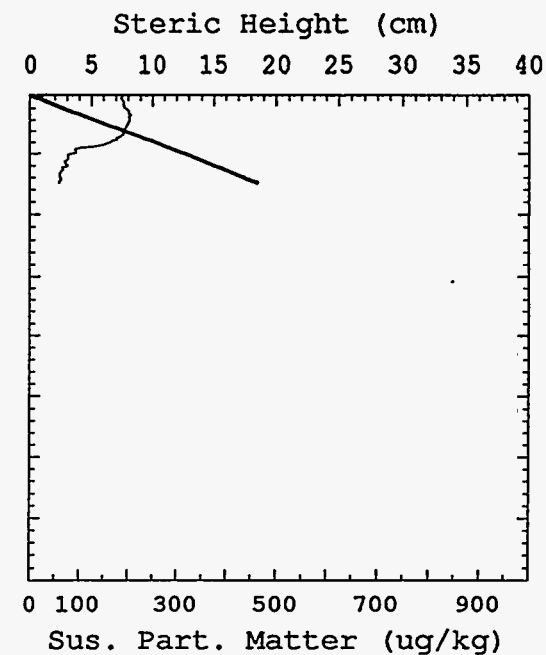
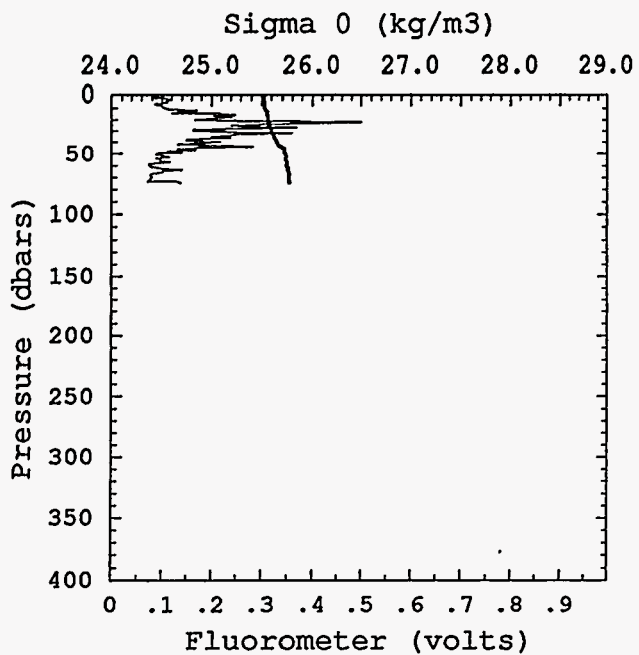
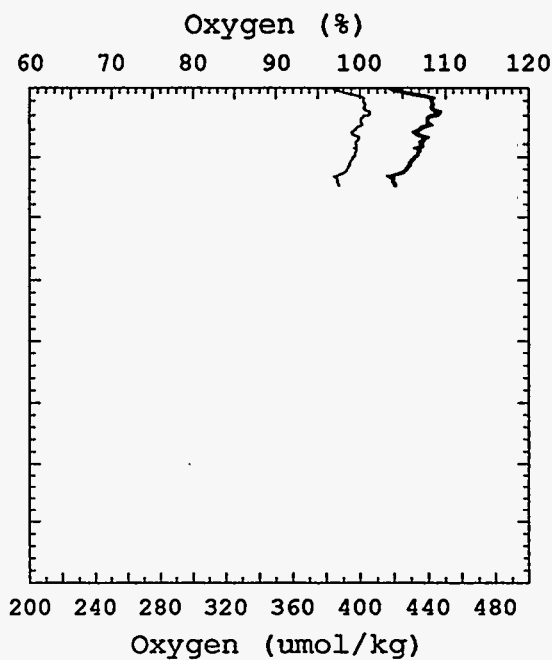
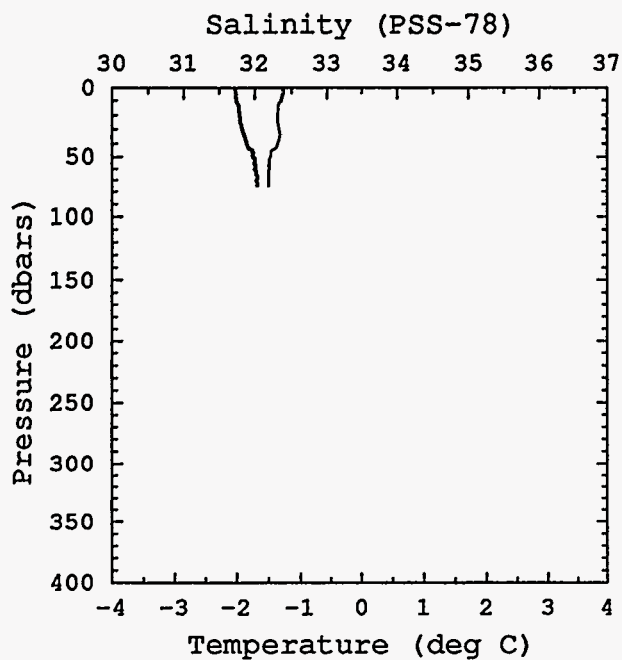
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 49 CTD 83
BOTTOM DEPTH= 76



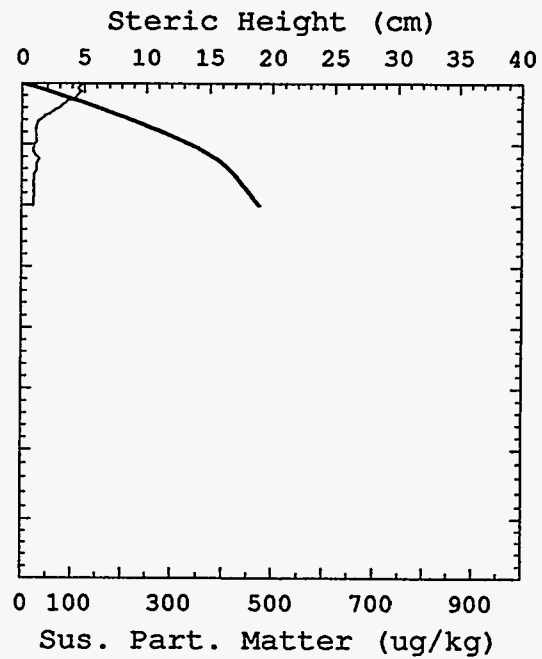
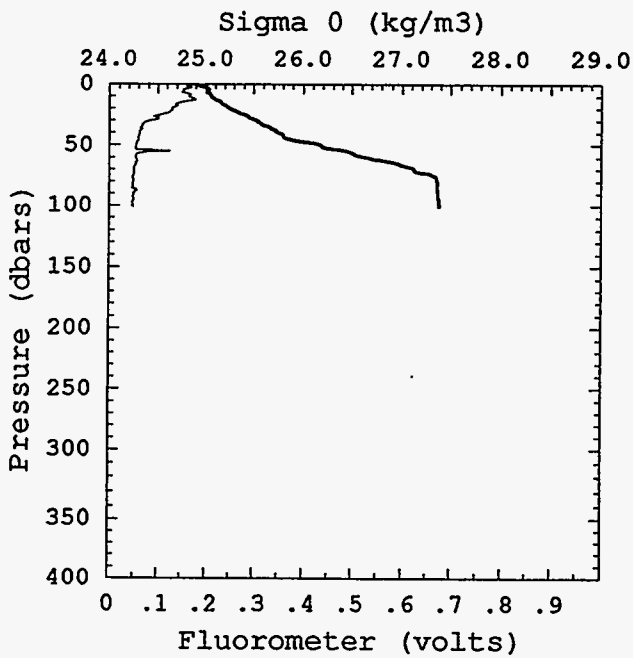
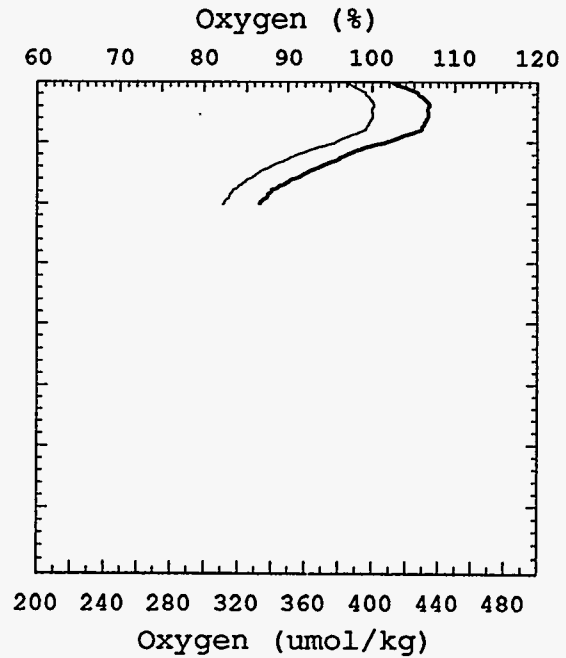
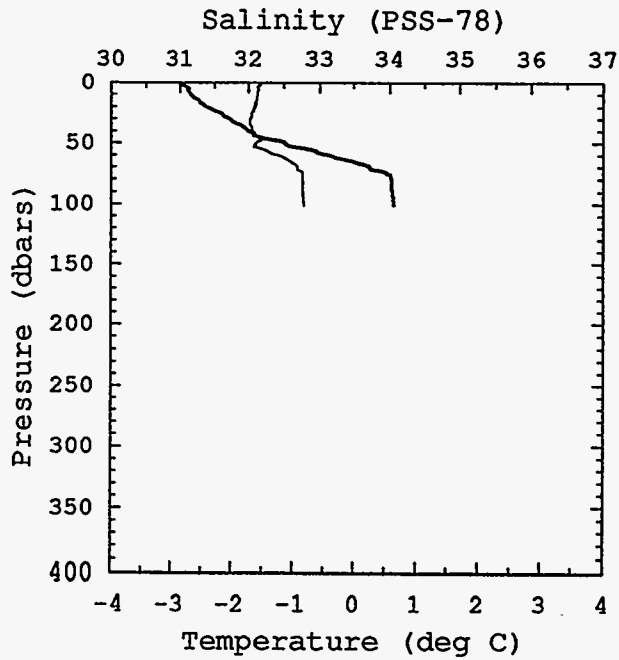
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 49 CTD 84
BOTTOM DEPTH= 75



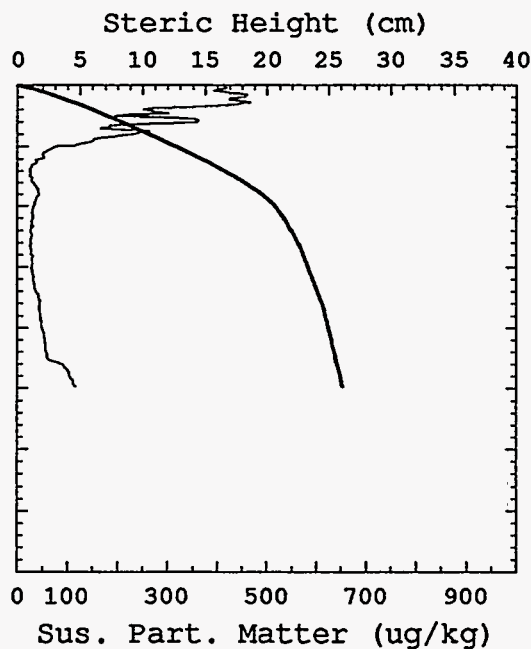
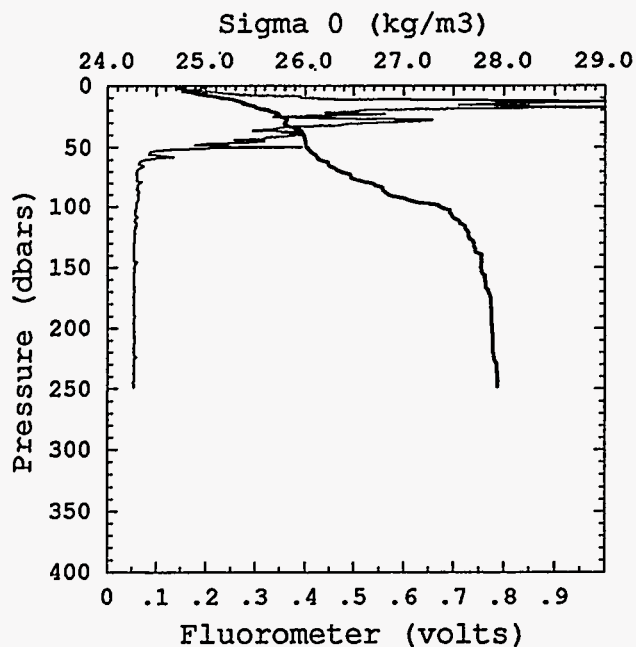
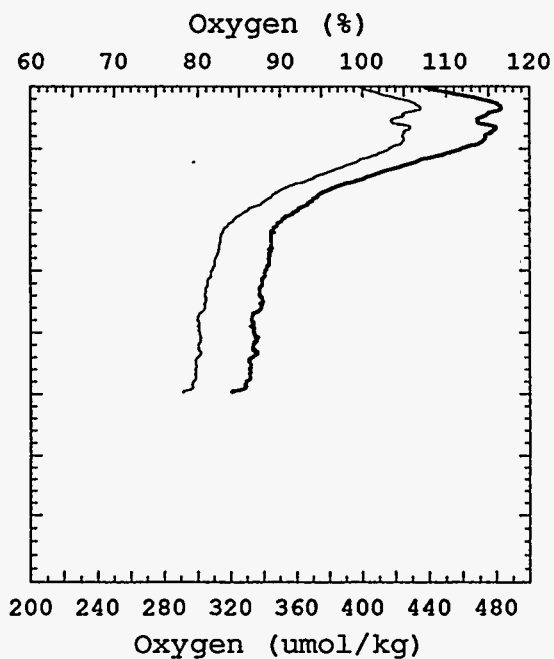
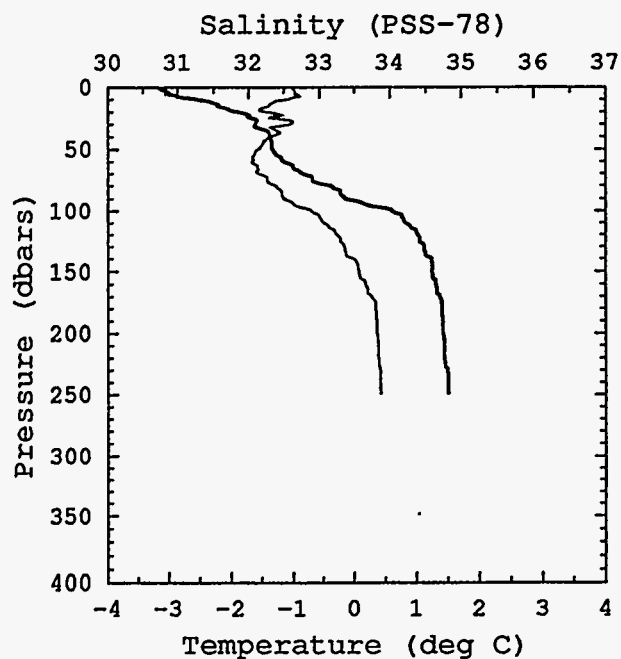
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 50 CTD 85
BOTTOM DEPTH= 101



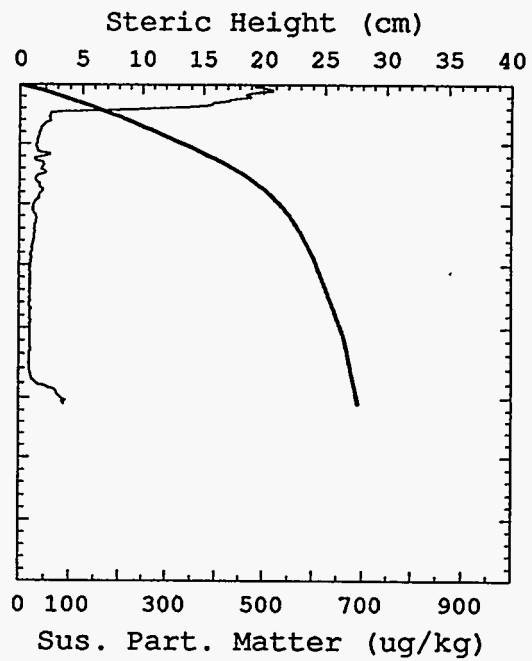
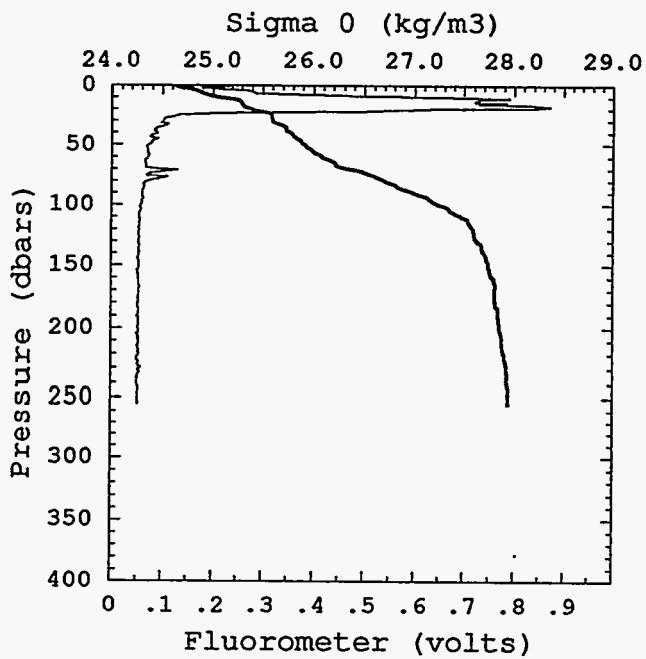
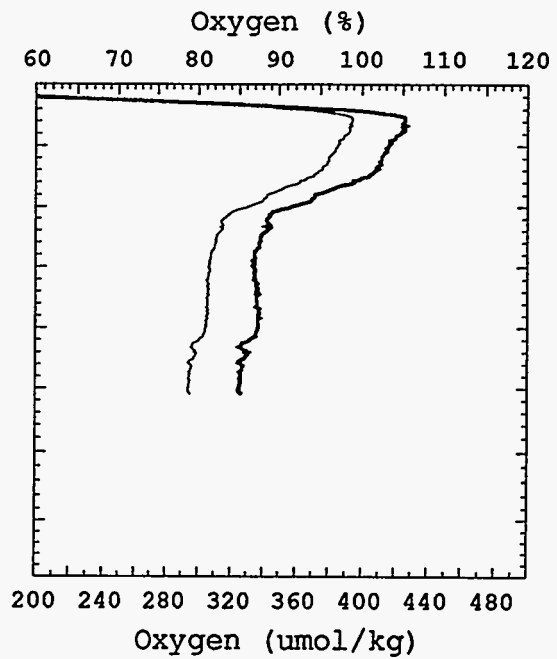
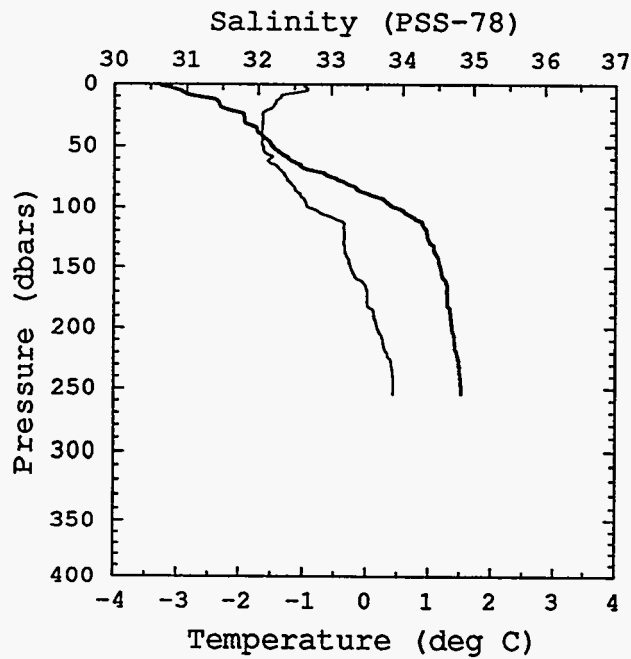
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 51 CTD 86
BOTTOM DEPTH= 249



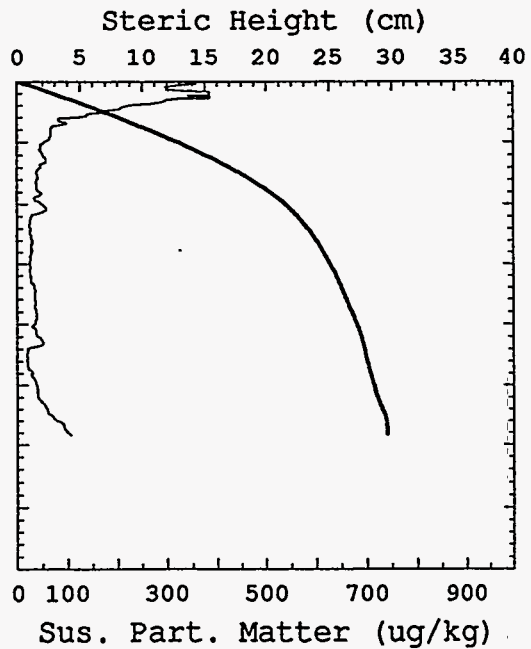
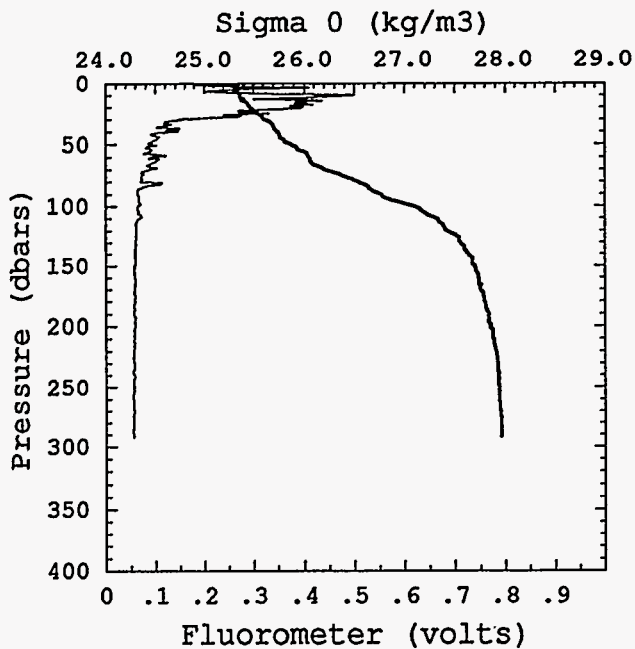
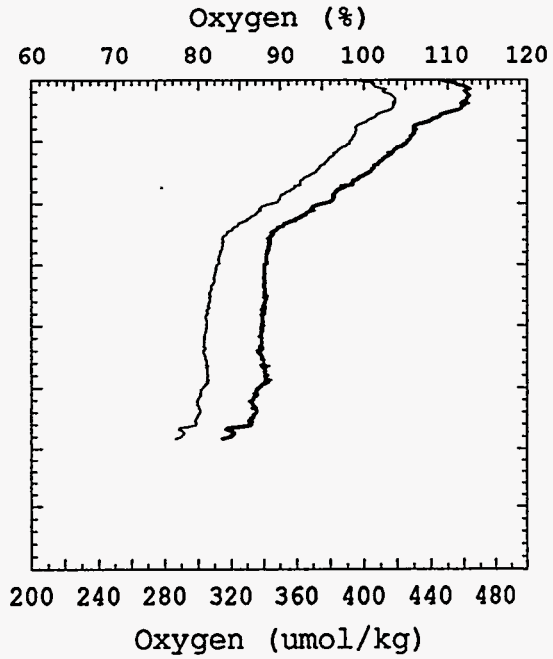
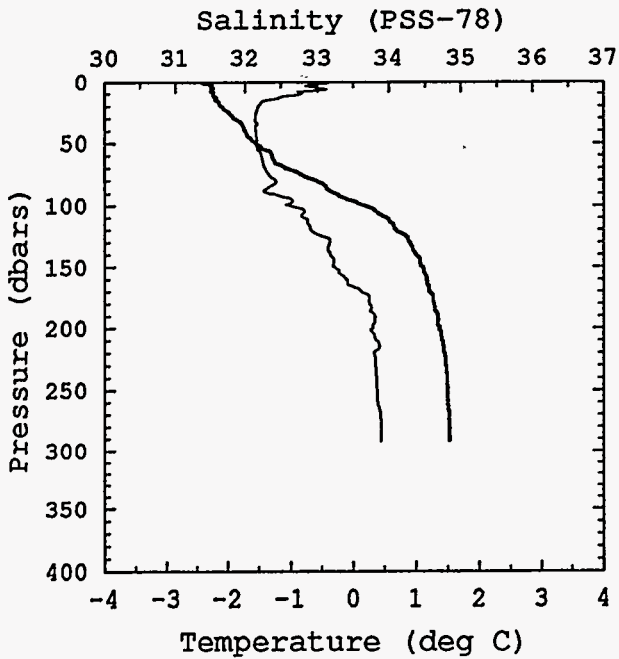
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 52 CTD 87
BOTTOM DEPTH= 255



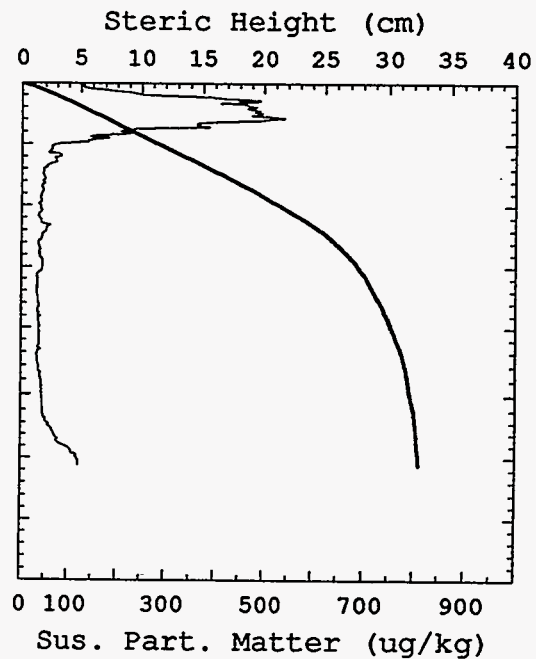
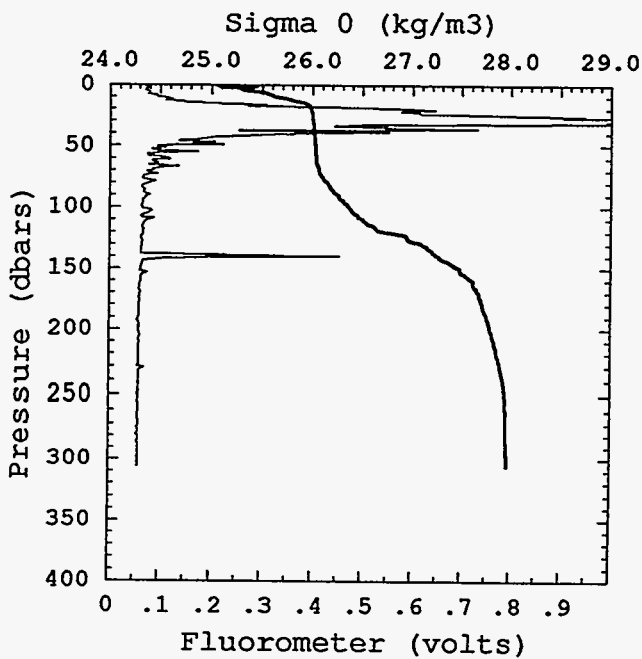
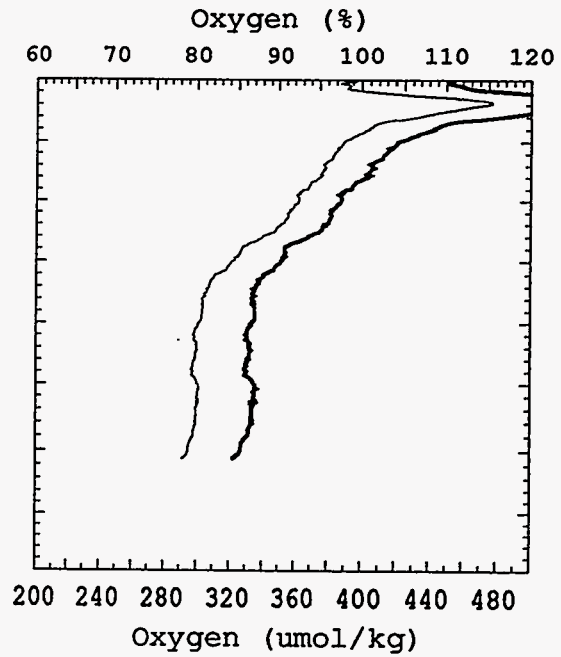
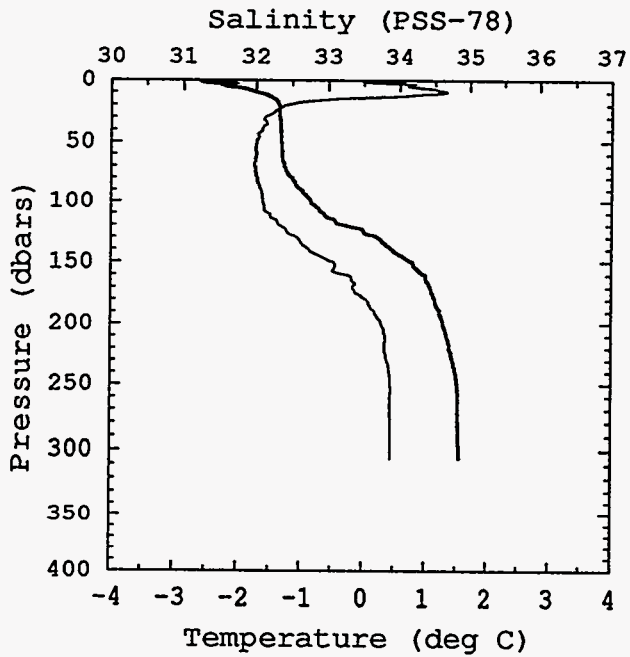
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 53 CTD 88
BOTTOM DEPTH= 292



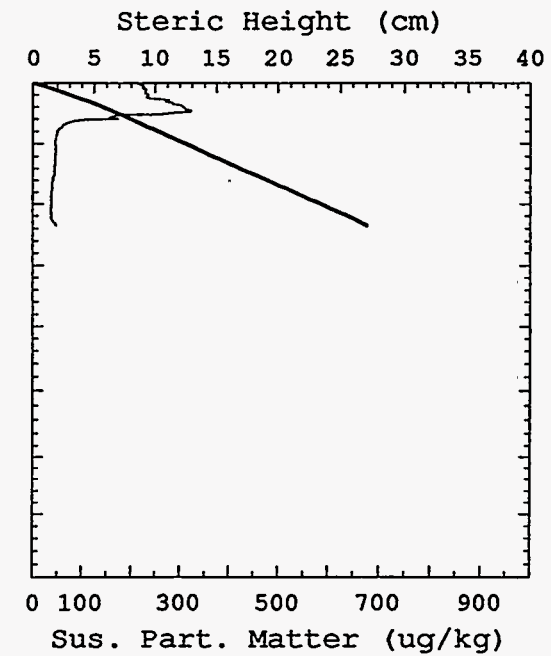
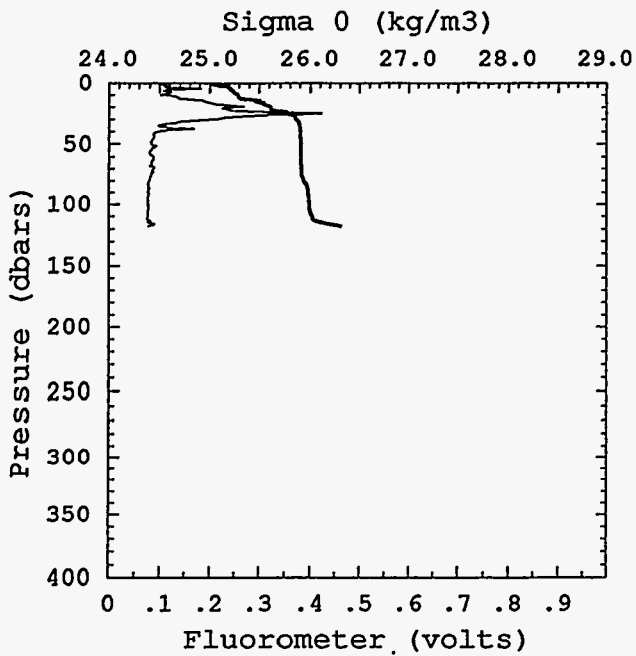
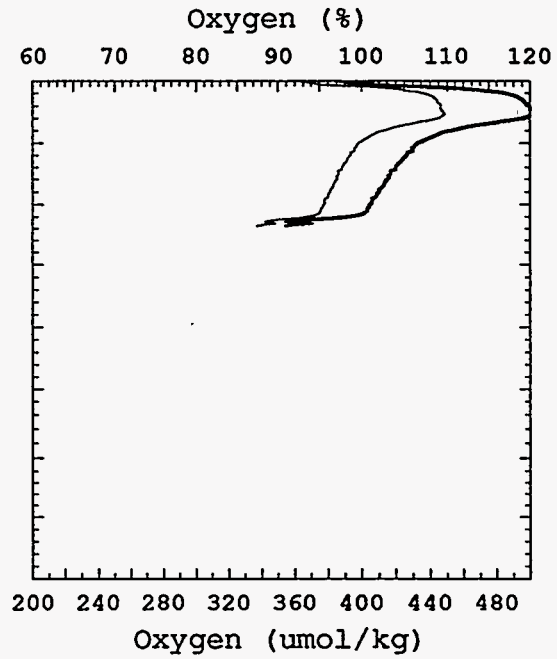
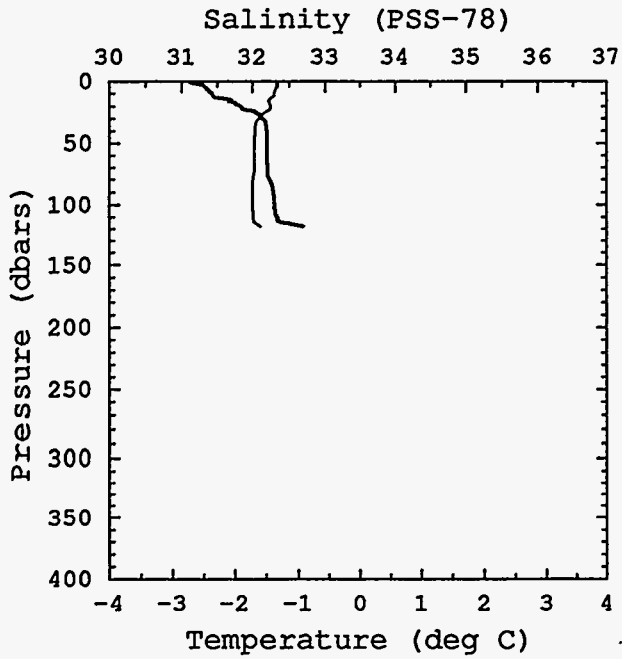
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 54 CTD 89
BOTTOM DEPTH= 306



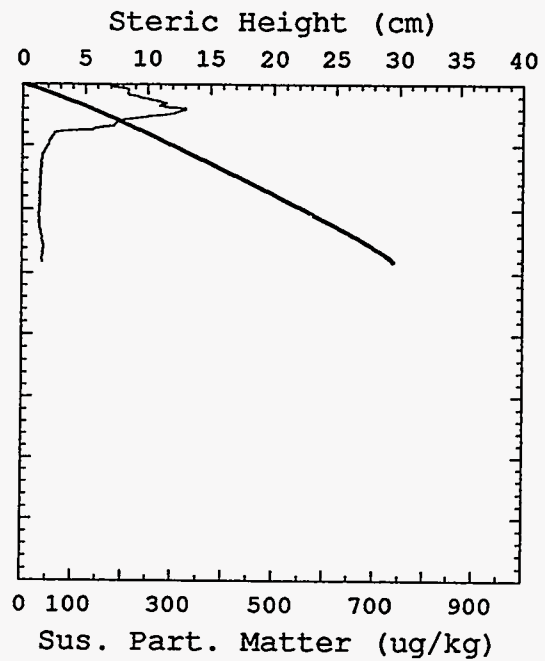
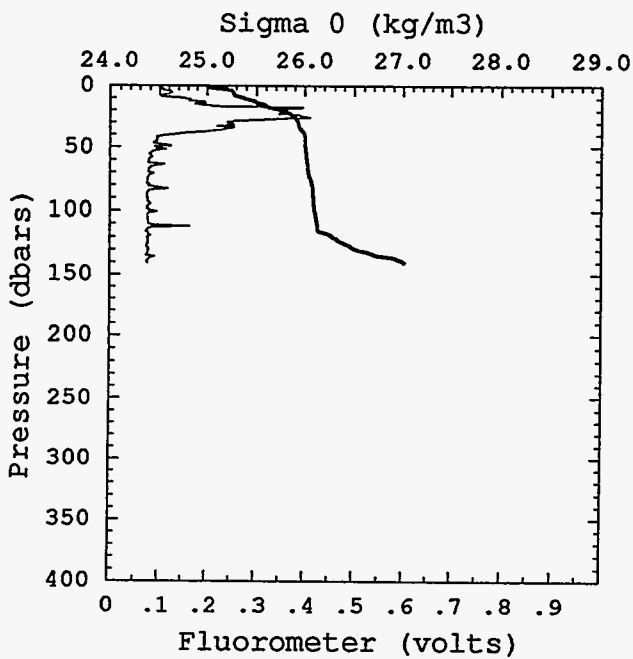
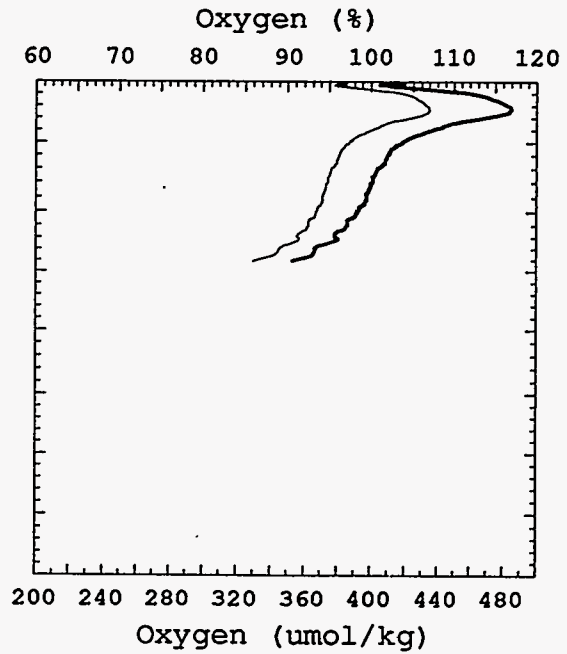
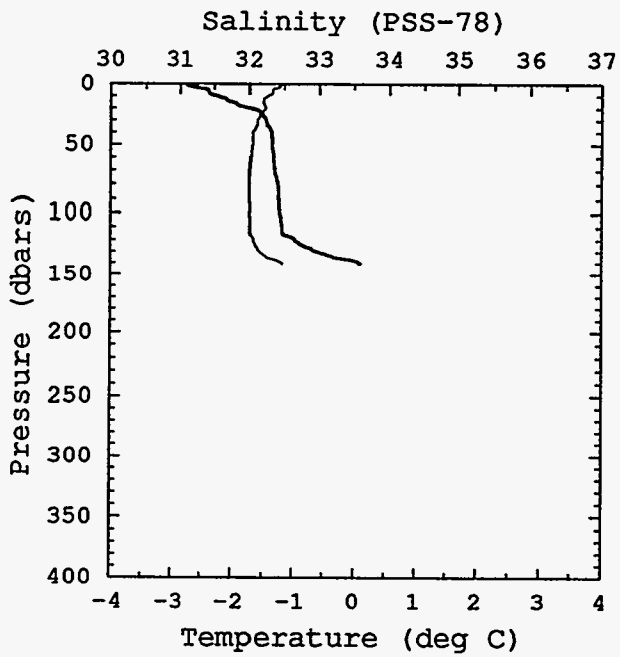
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
 STA 55 CTD 90
 BOTTOM DEPTH= 118



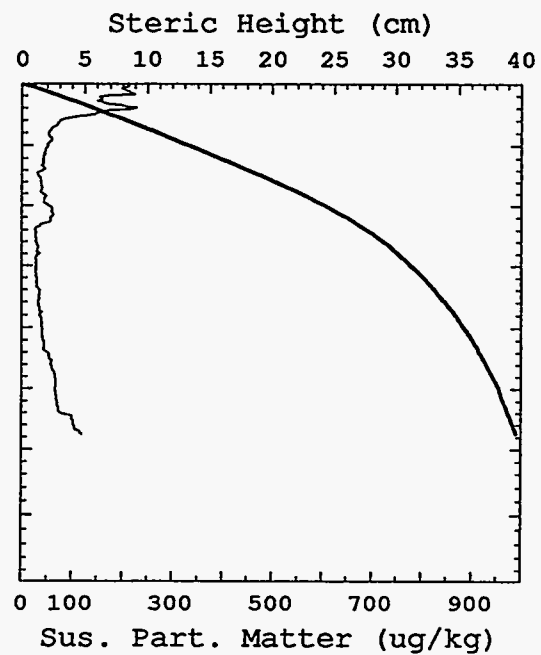
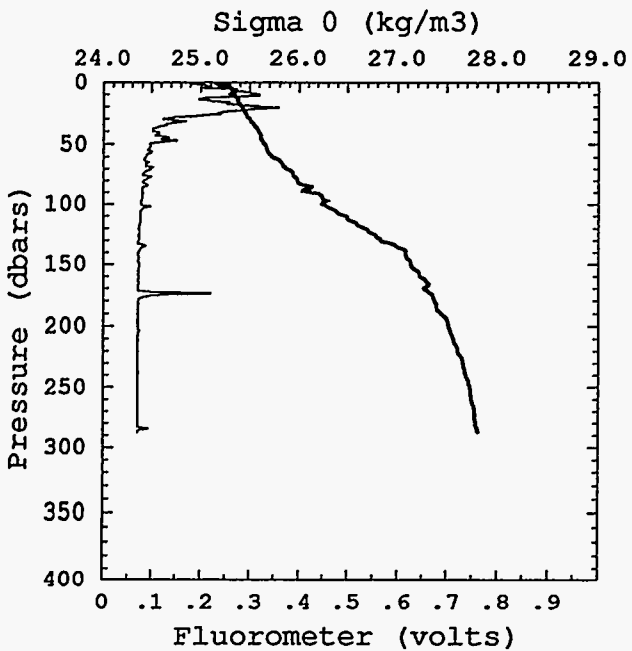
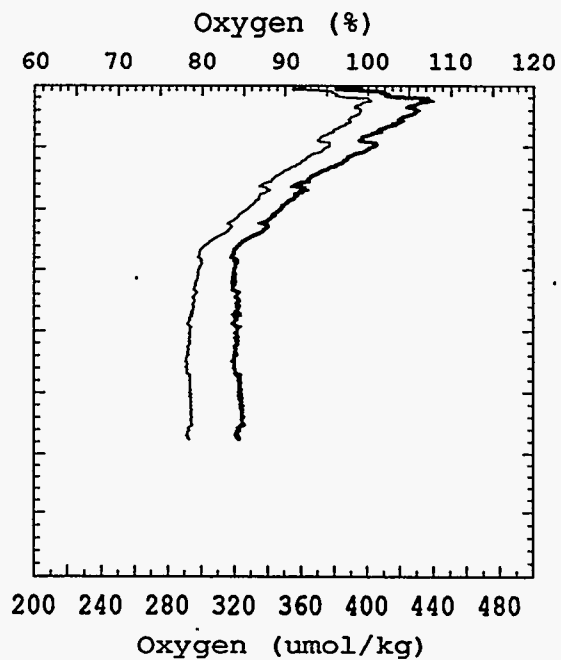
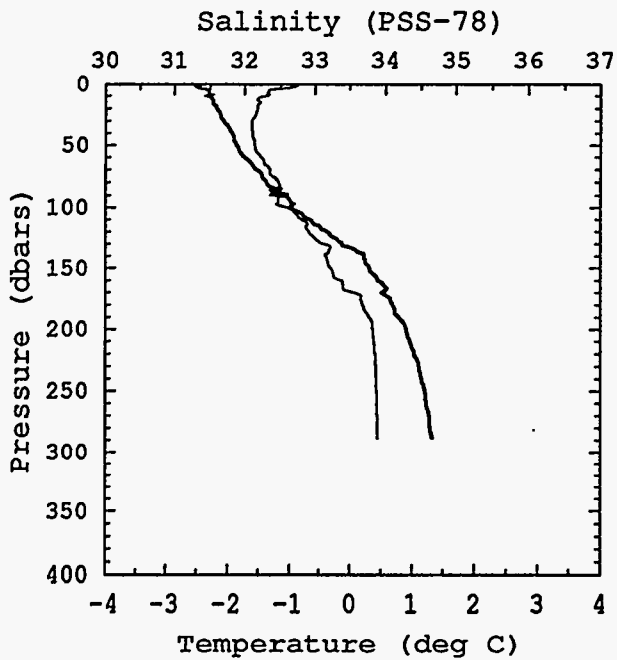
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 55 CTD 91
BOTTOM DEPTH= 141



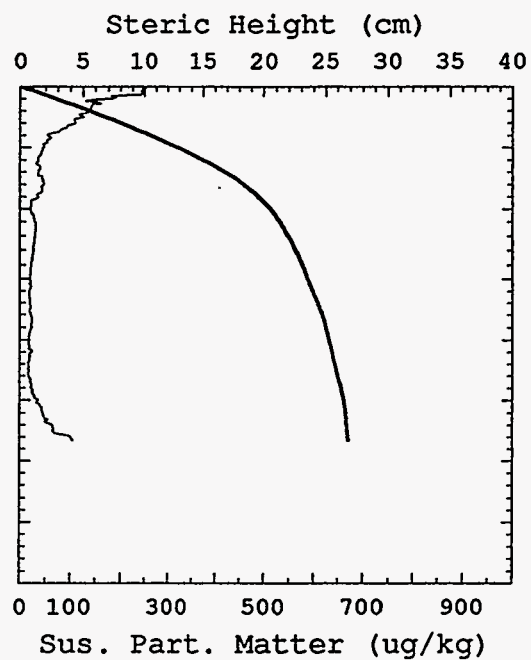
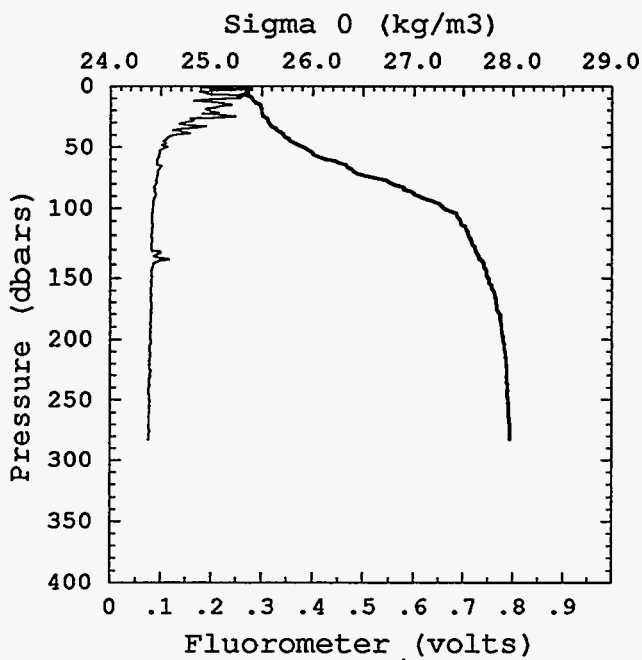
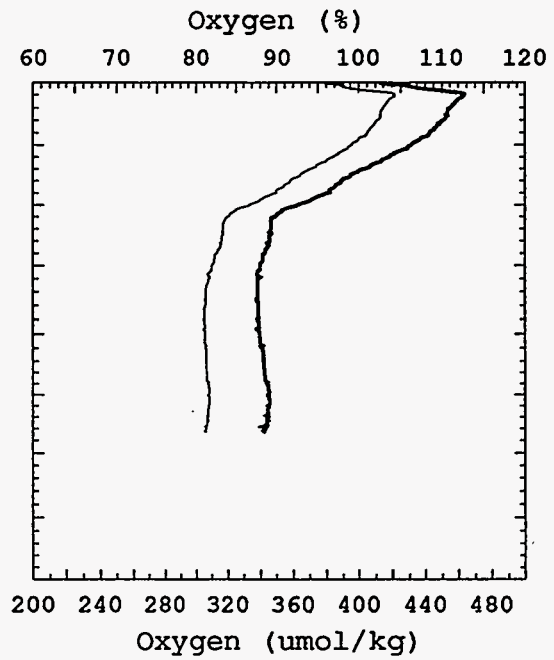
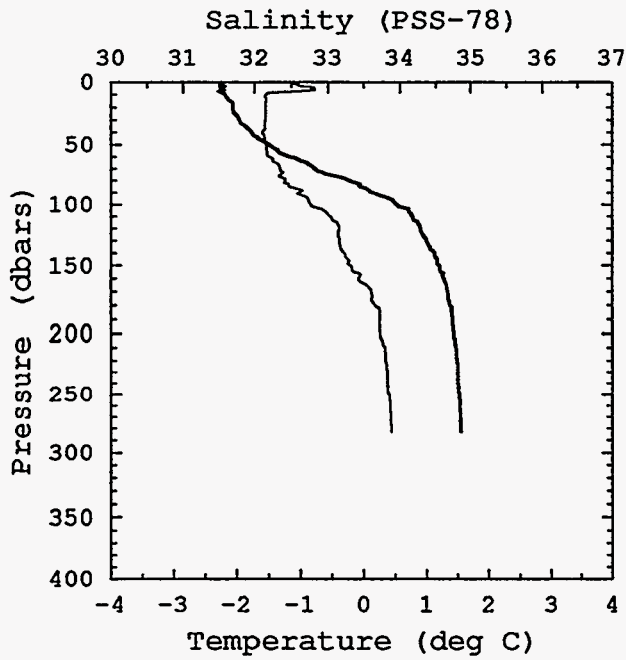
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 56 CTD 92
BOTTOM DEPTH= 288



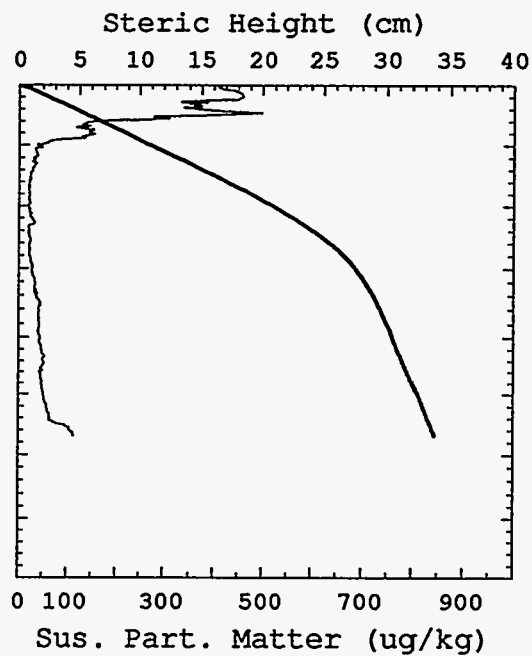
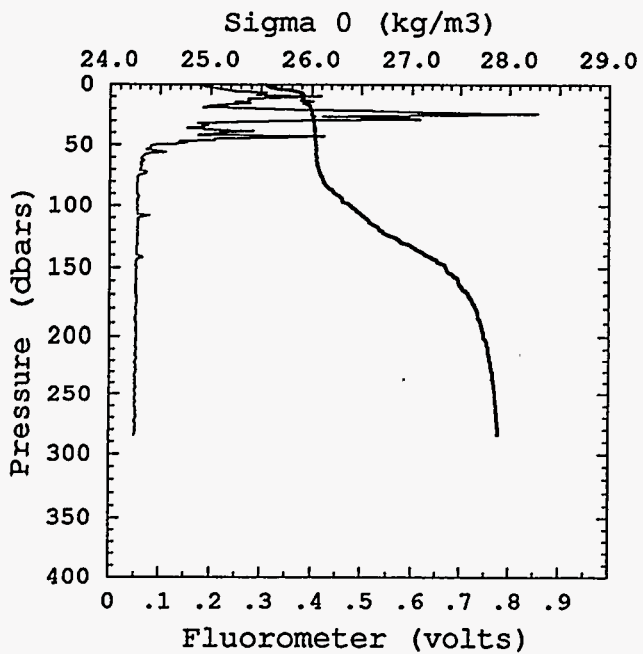
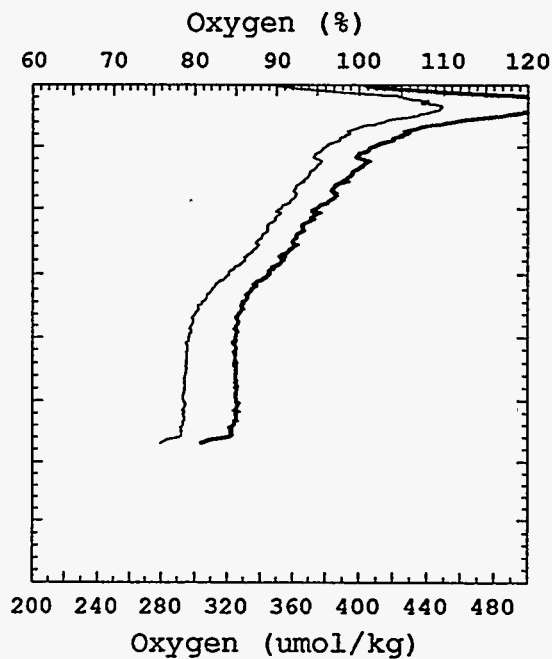
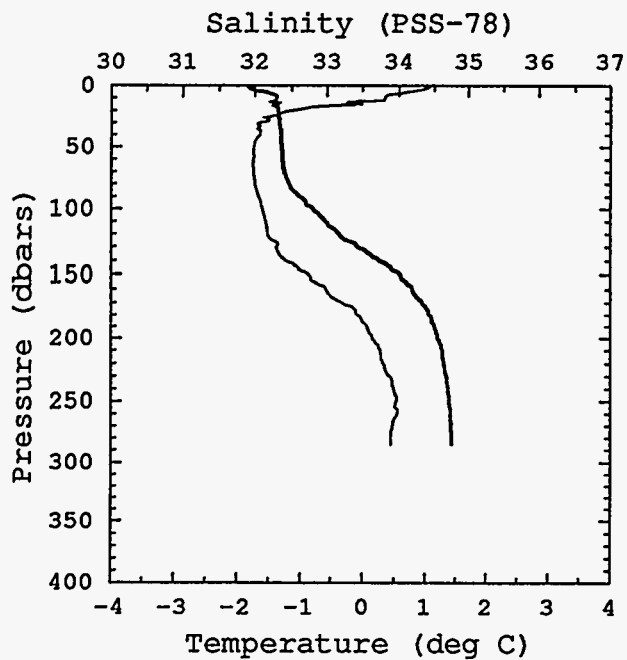
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 57 CTD 93
BOTTOM DEPTH= 283



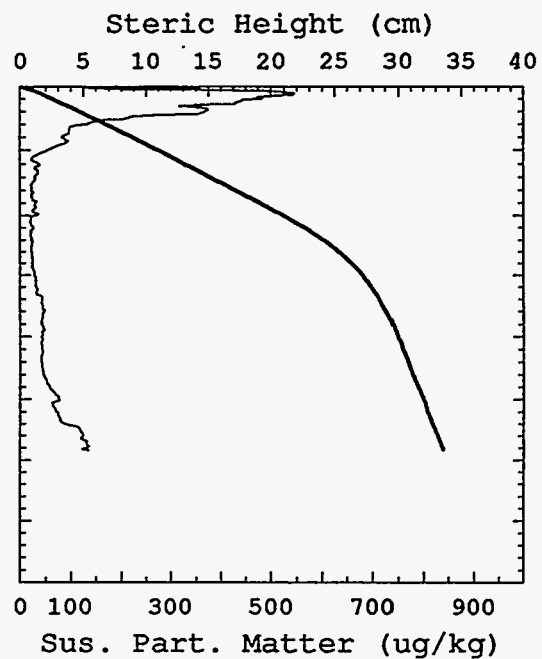
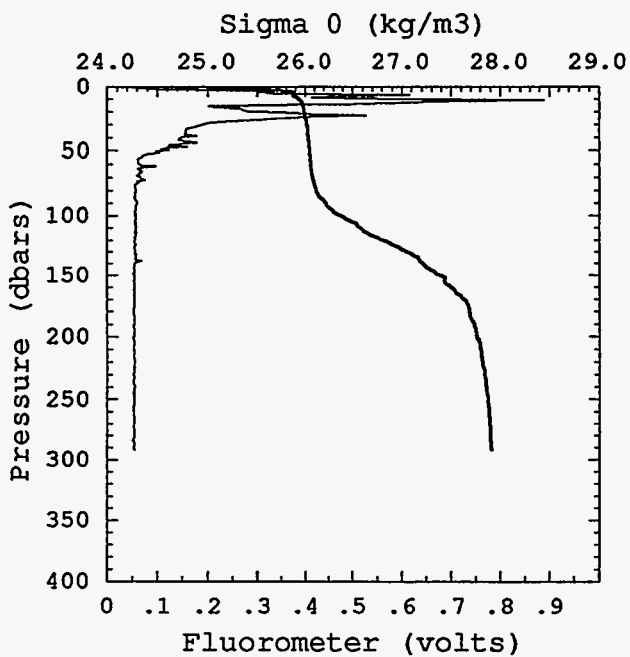
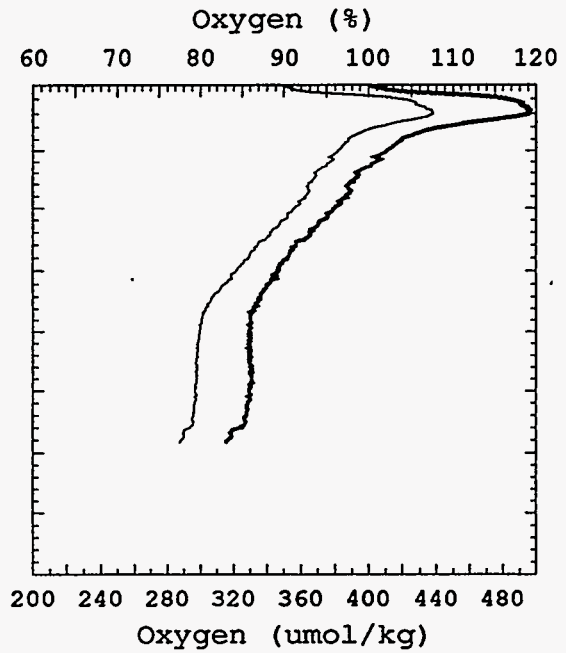
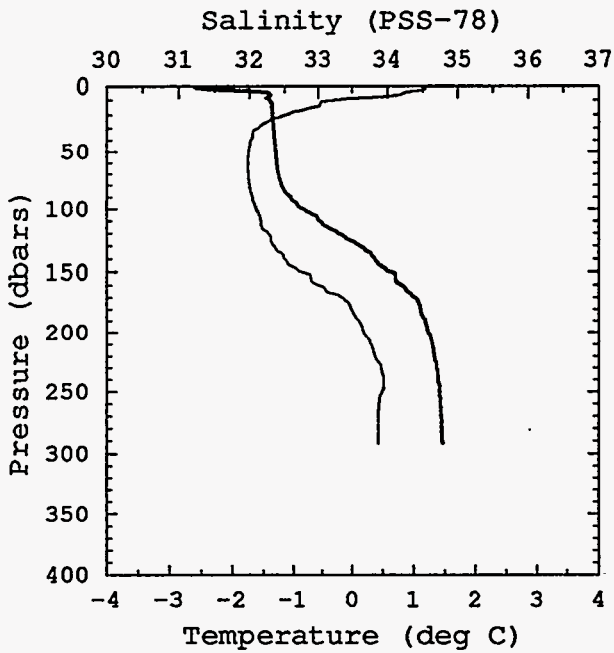
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 58 CTD 94
BOTTOM DEPTH= 285



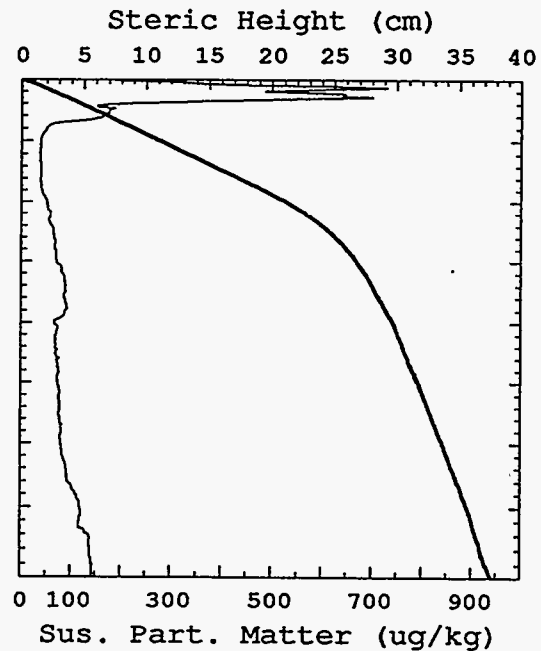
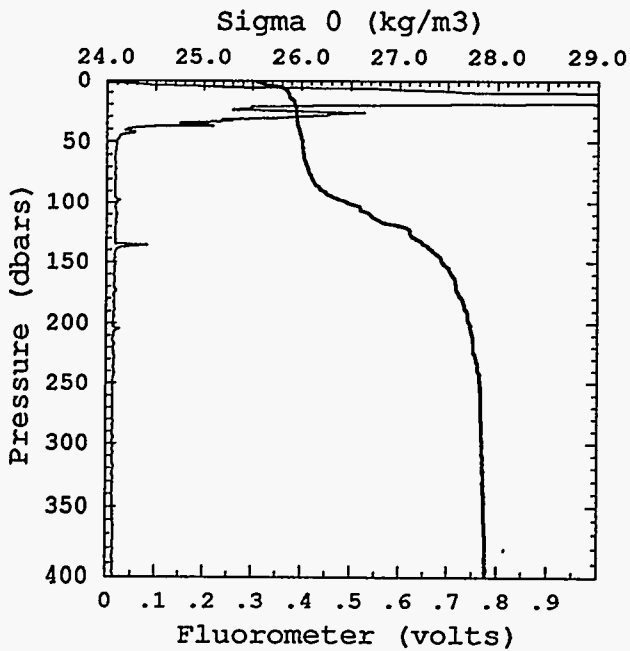
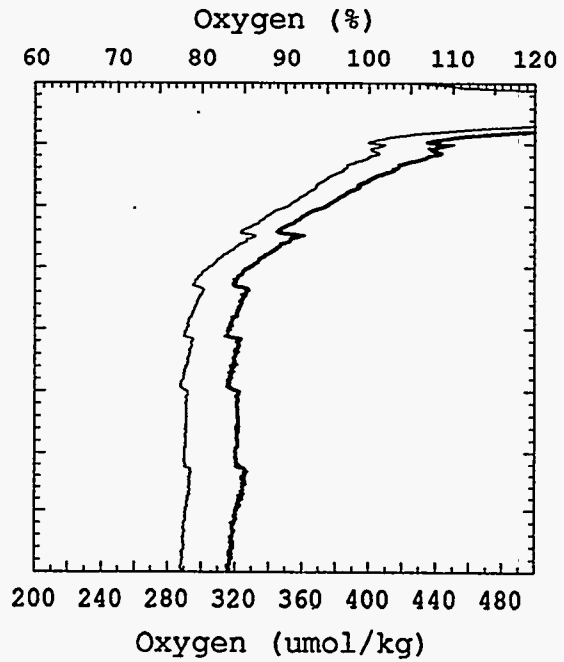
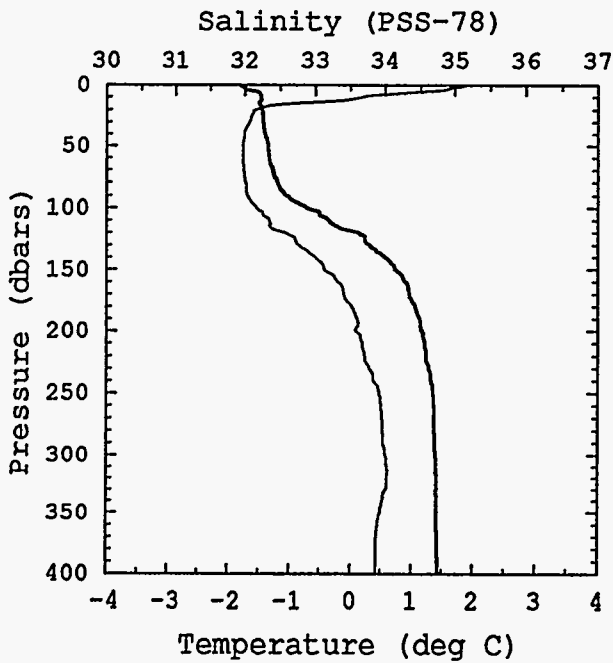
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 58 CTD 95
BOTTOM DEPTH= 292



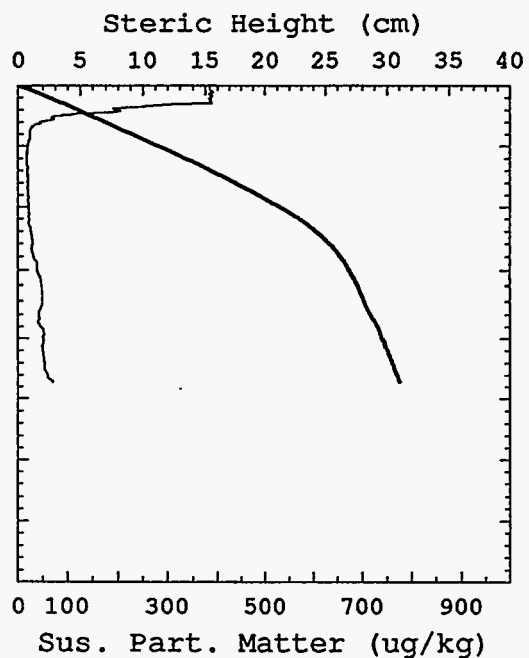
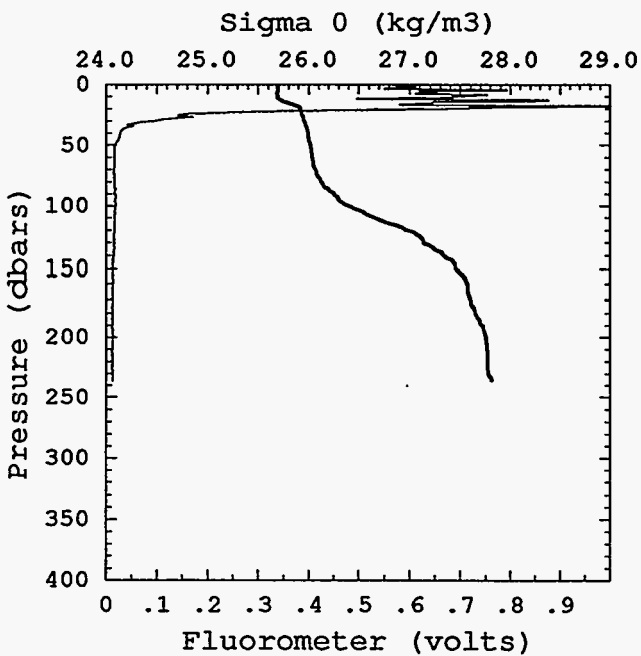
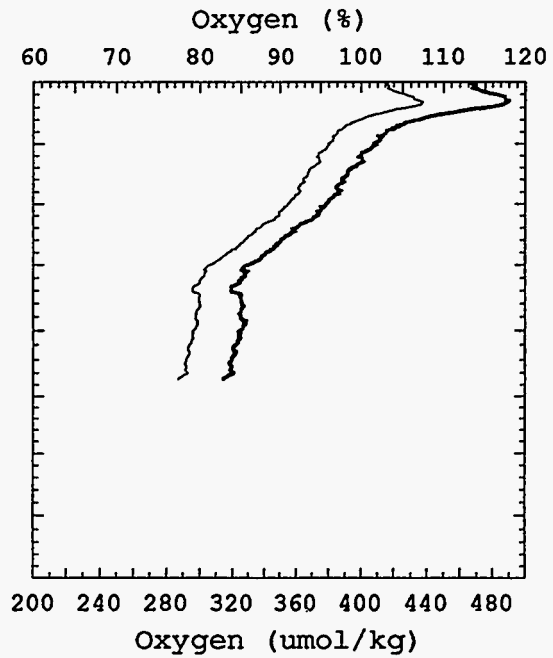
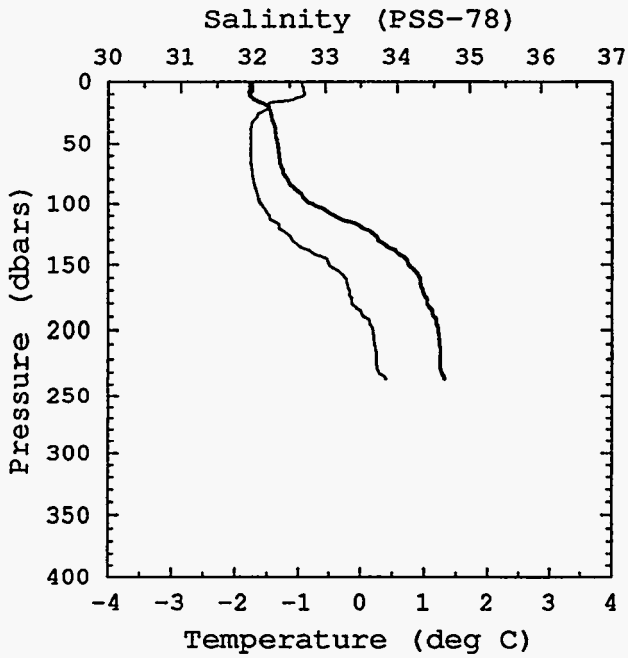
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 59 CTD 96
BOTTOM DEPTH= 425



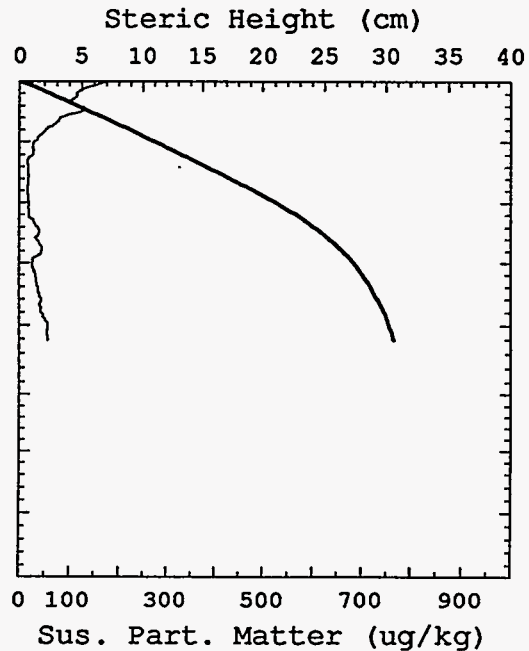
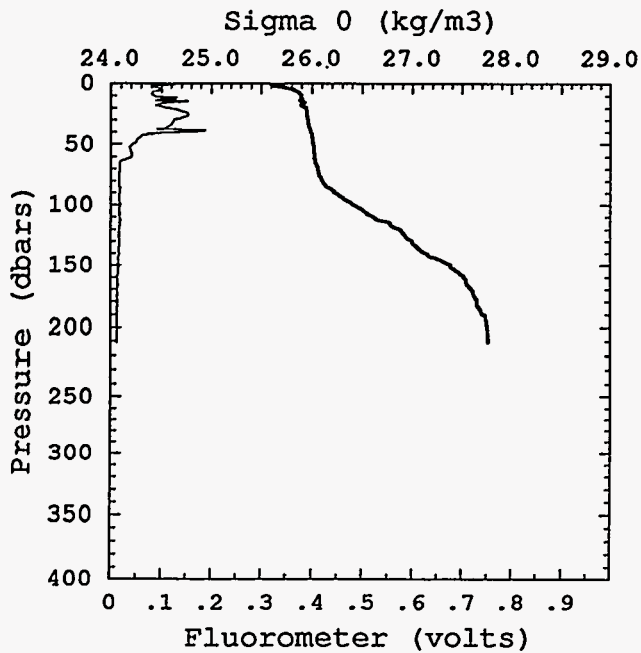
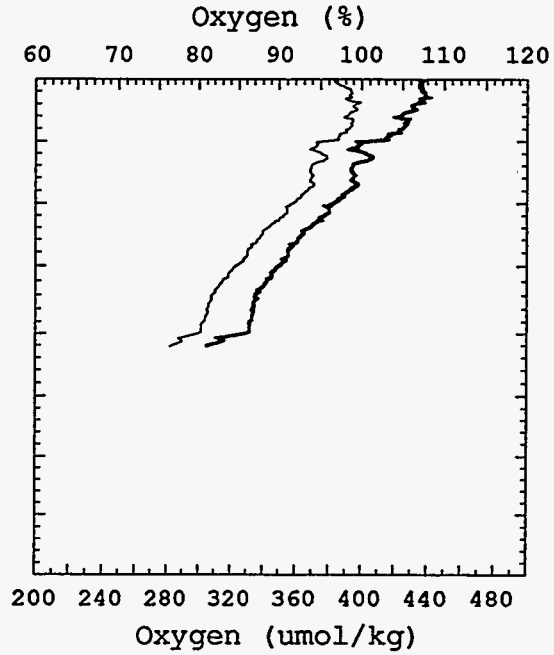
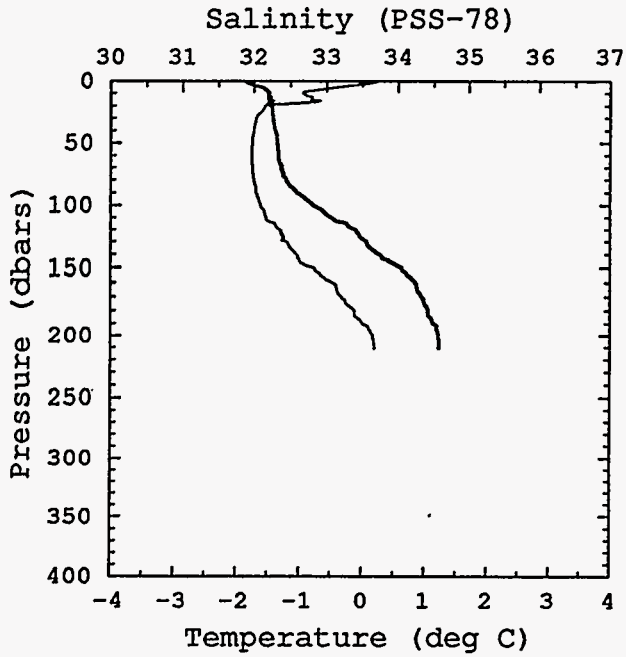
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 60 CTD 97
BOTTOM DEPTH= 236



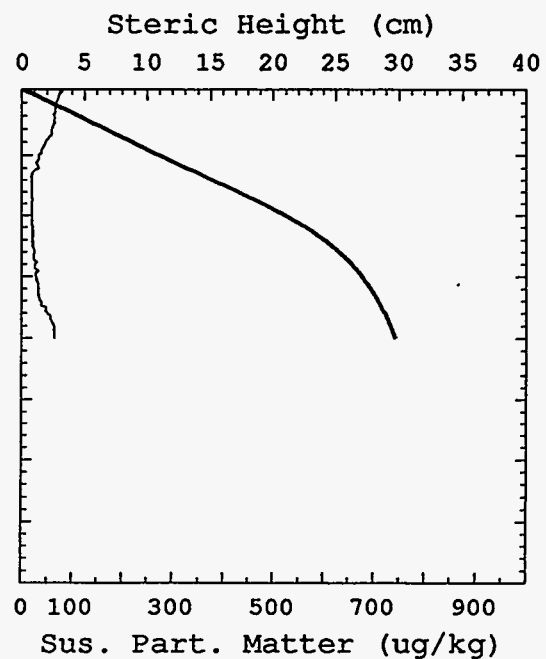
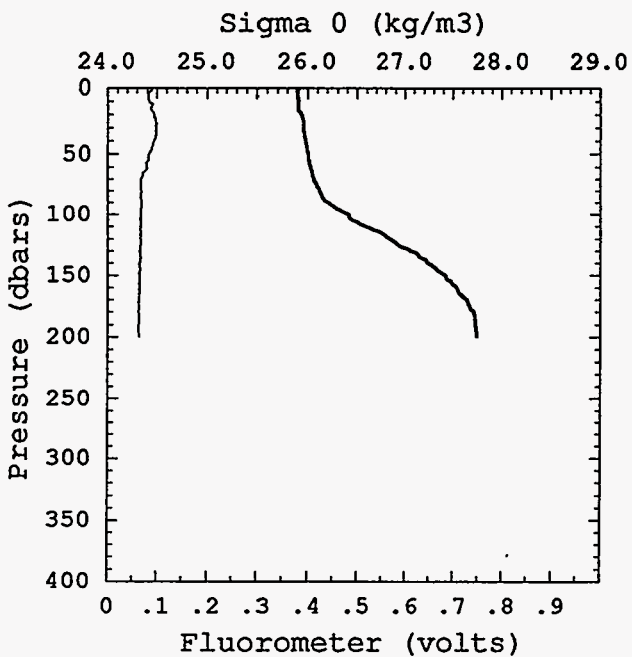
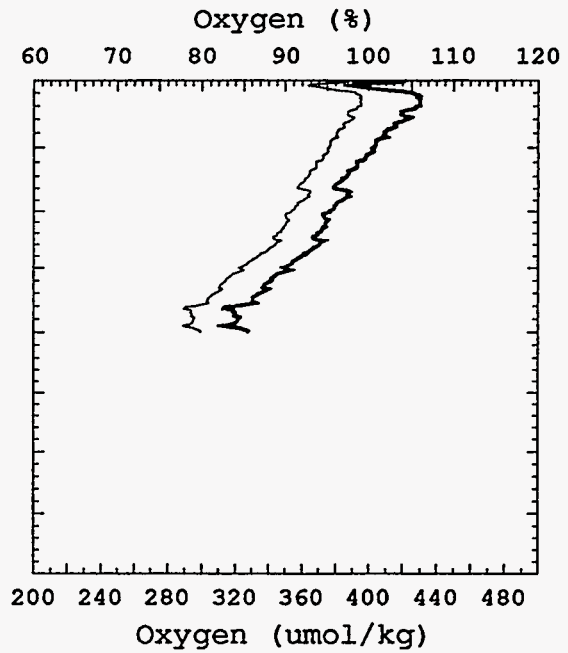
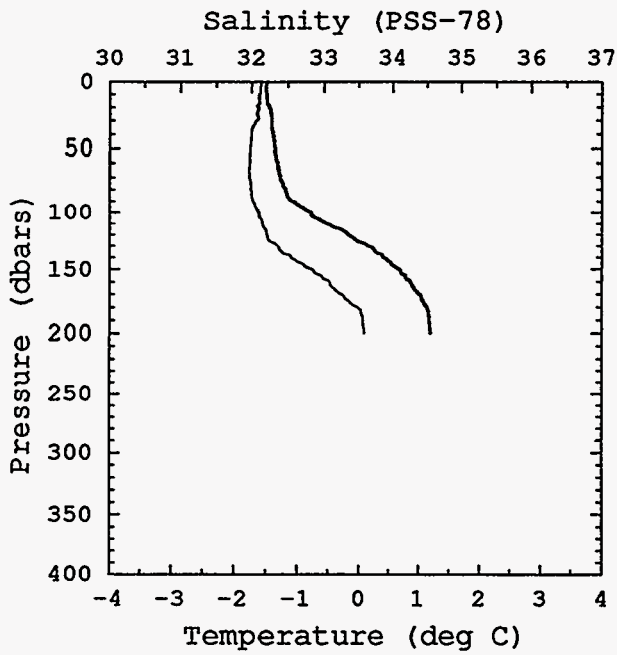
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 61 CTD 98
BOTTOM DEPTH= 211



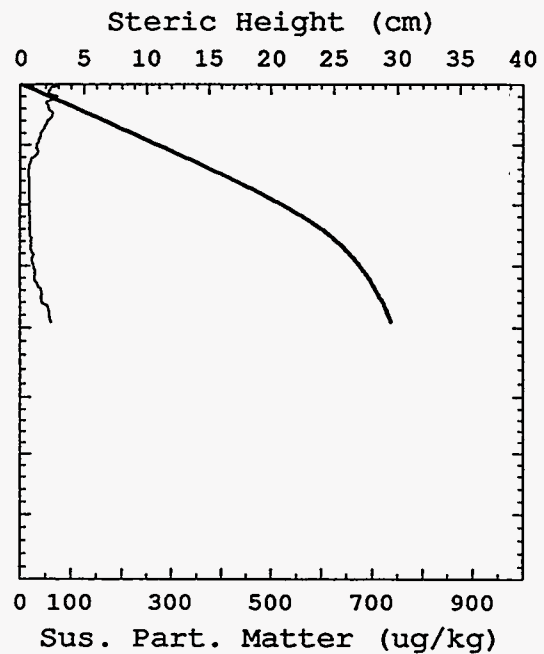
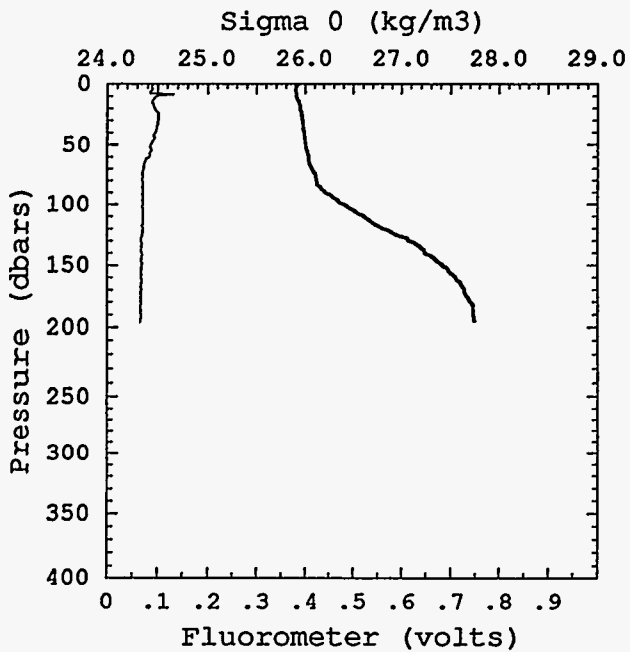
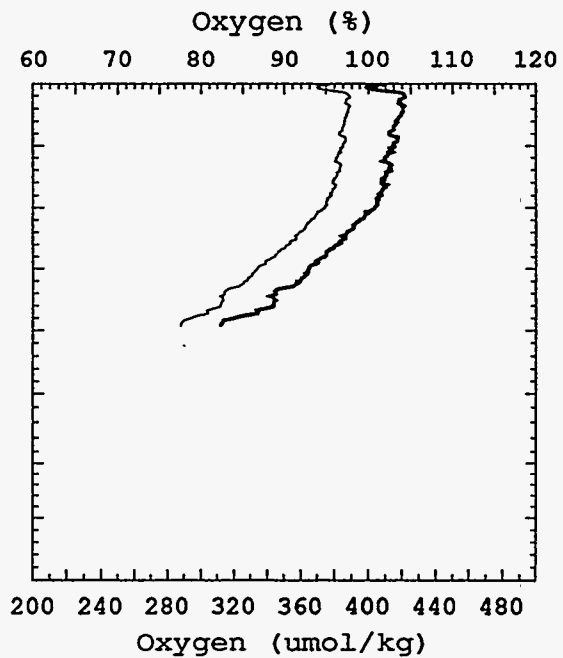
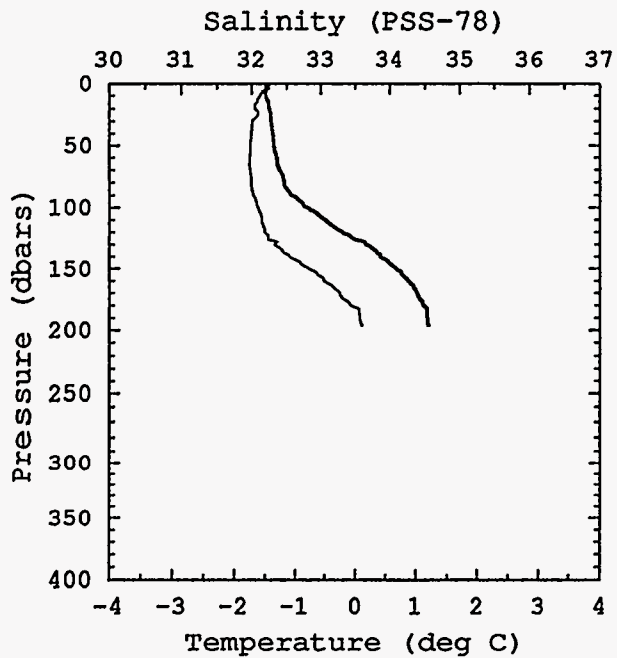
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 62 CTD 99
BOTTOM DEPTH= 200



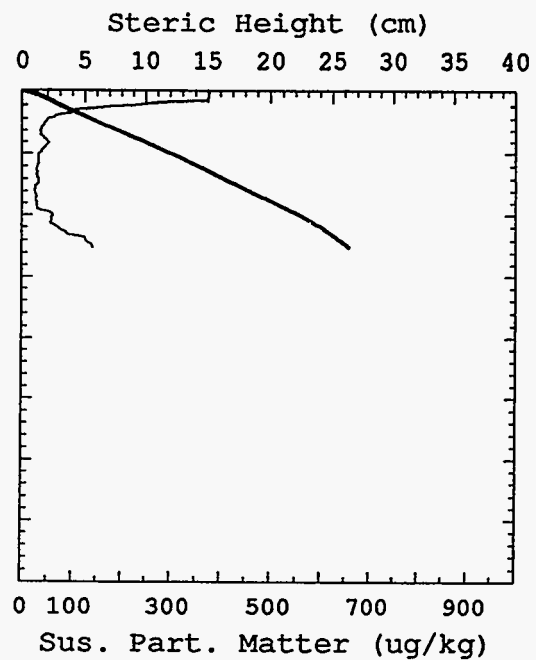
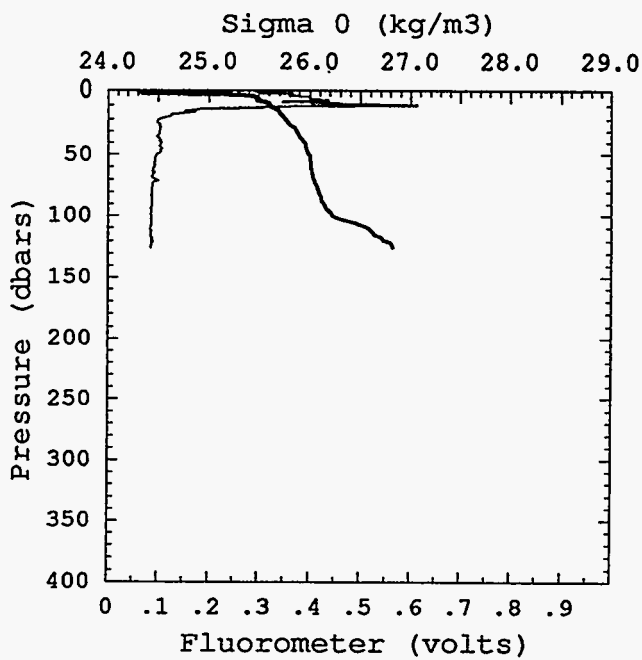
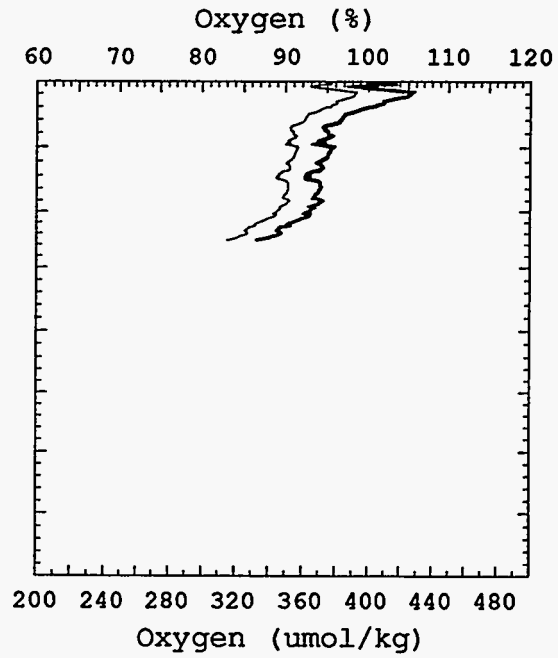
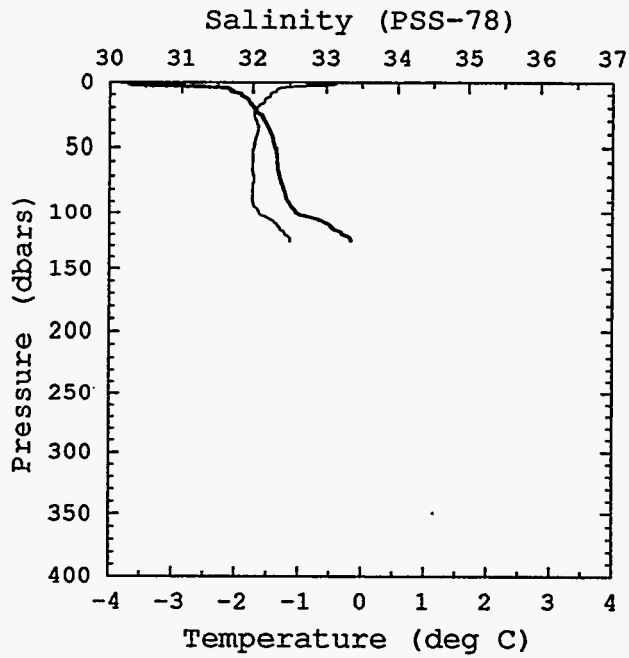
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 62 CTD 100
BOTTOM DEPTH= 196



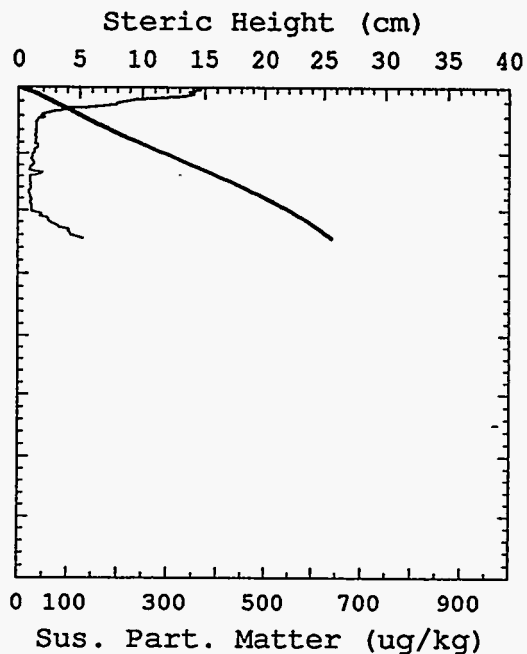
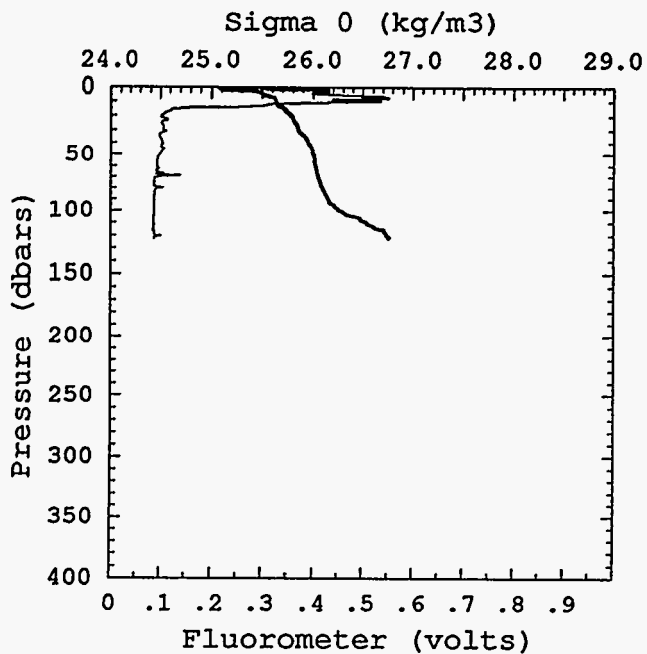
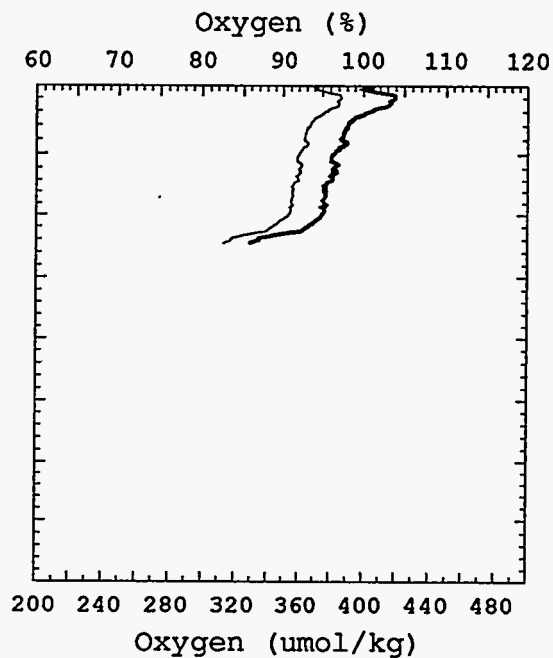
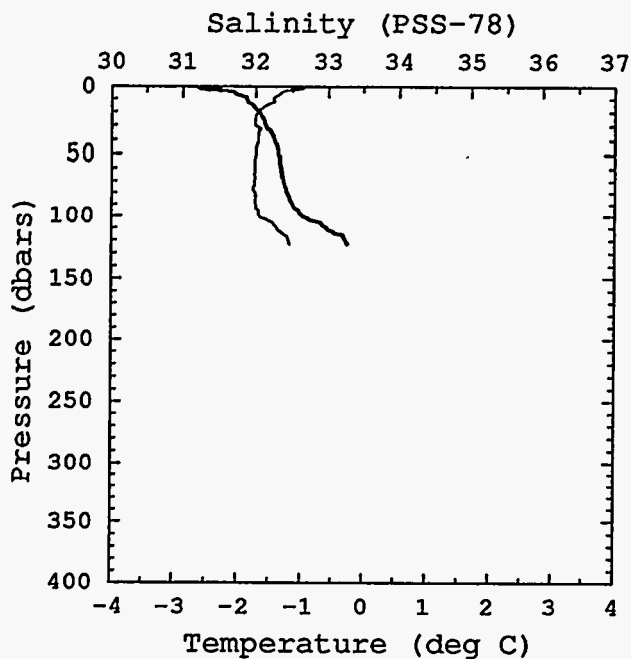
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 63 CTD 101
BOTTOM DEPTH= 126



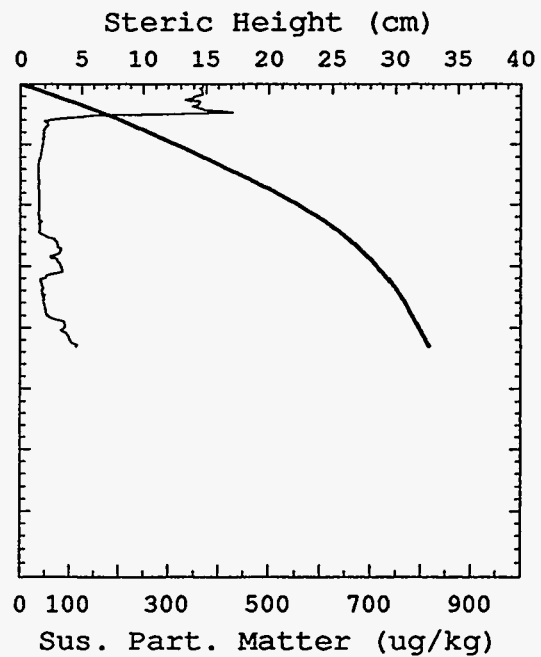
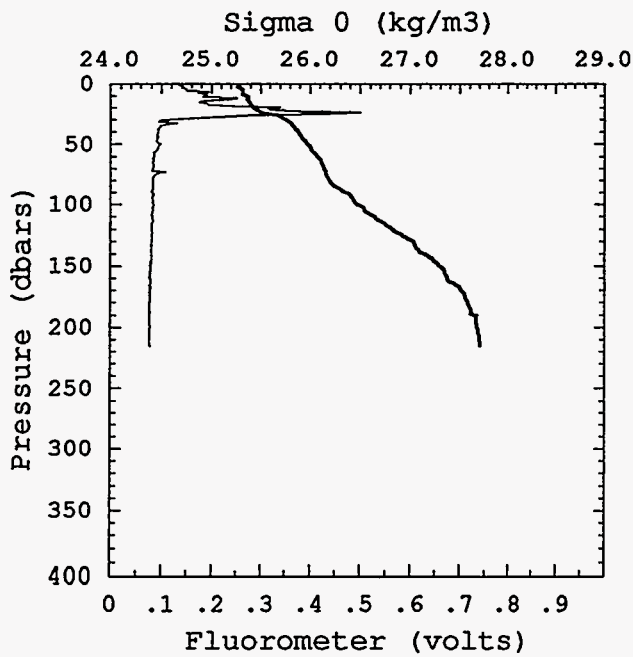
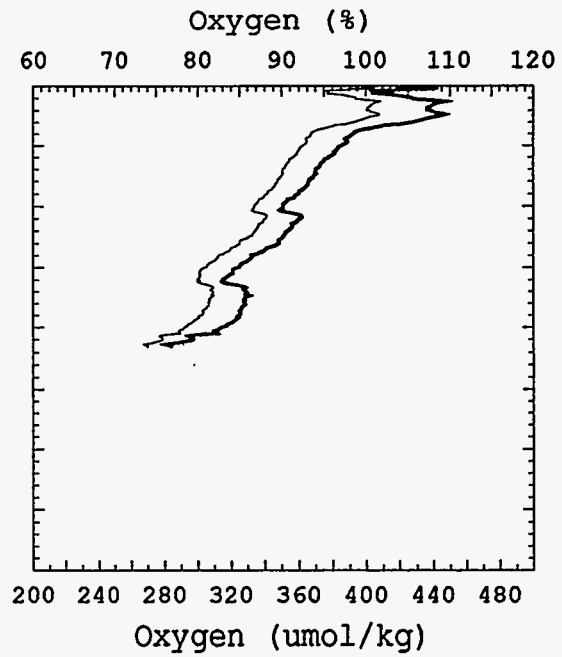
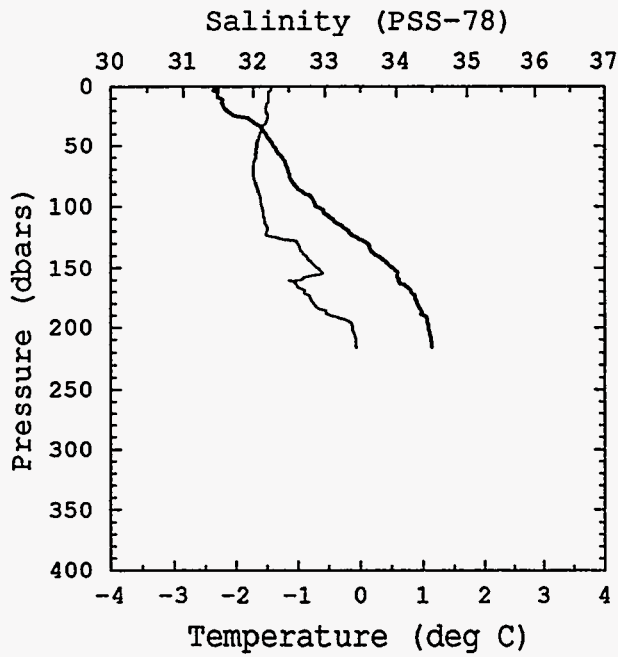
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 63 CTD 102
BOTTOM DEPTH= 123



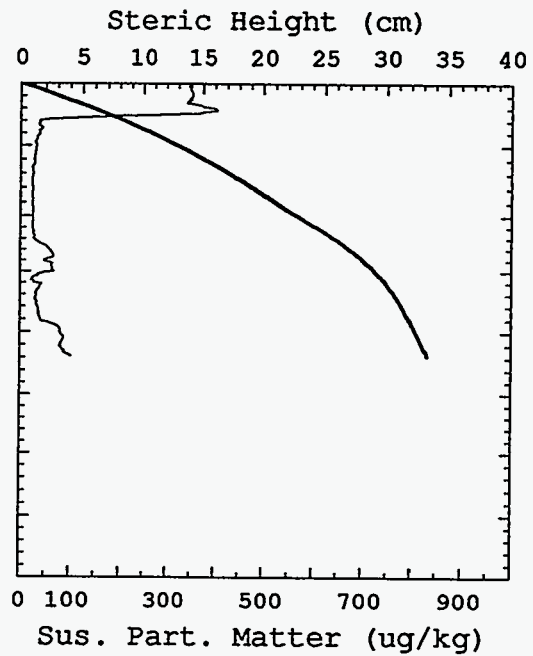
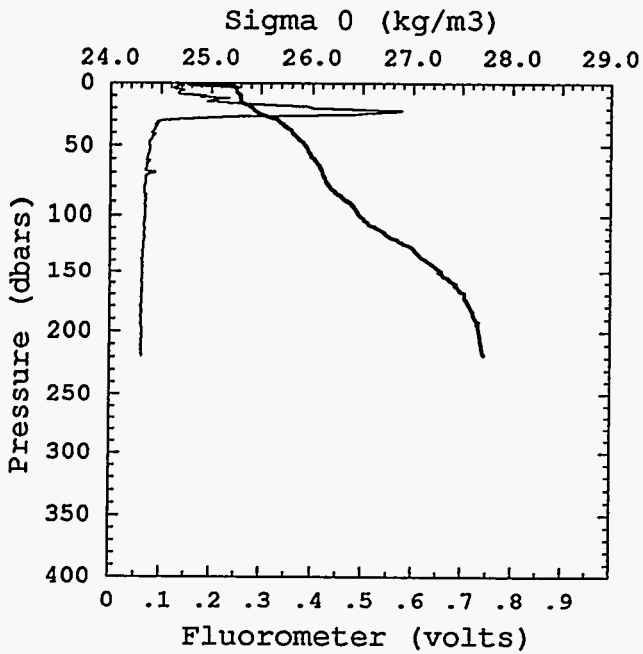
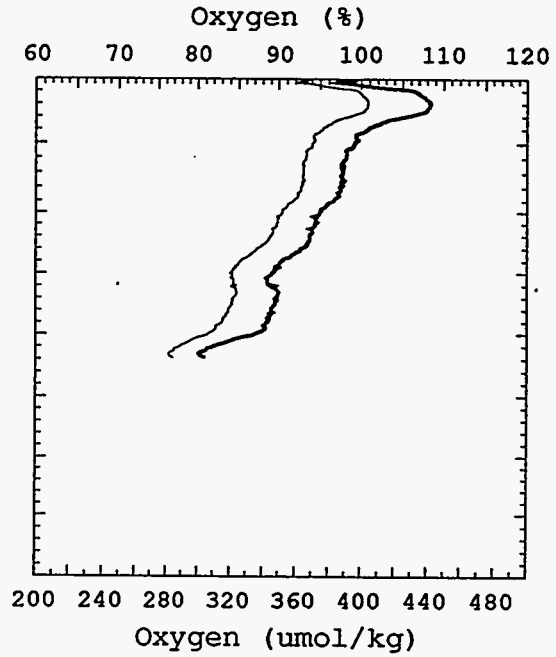
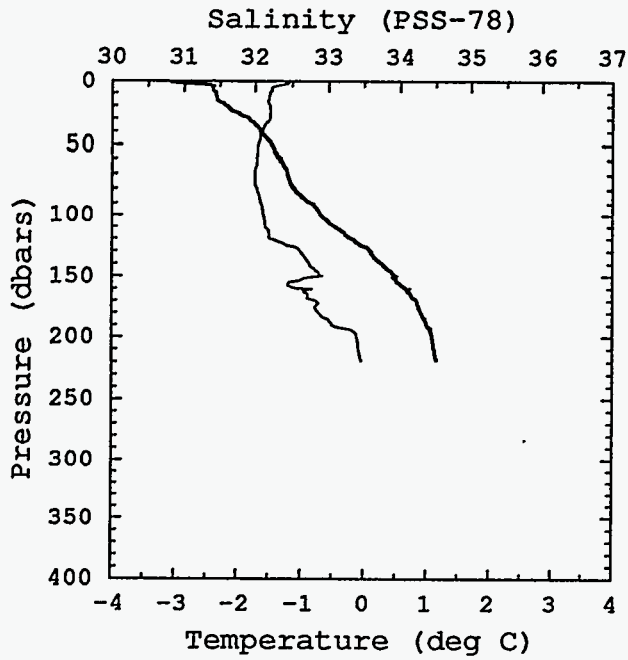
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 64 CTD 103
BOTTOM DEPTH= 216



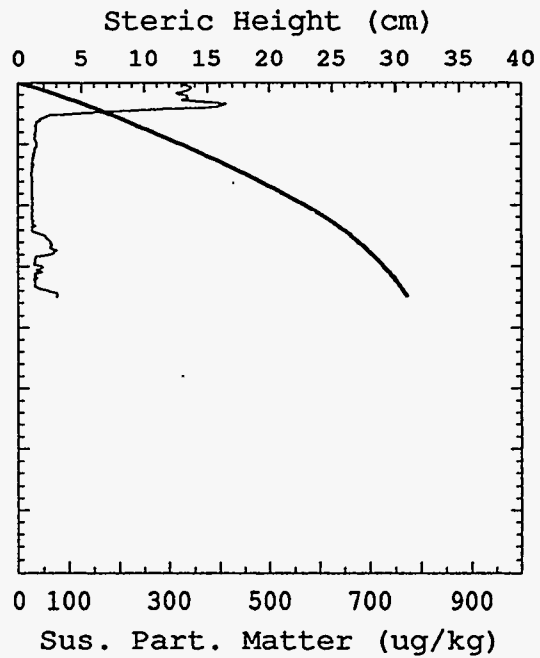
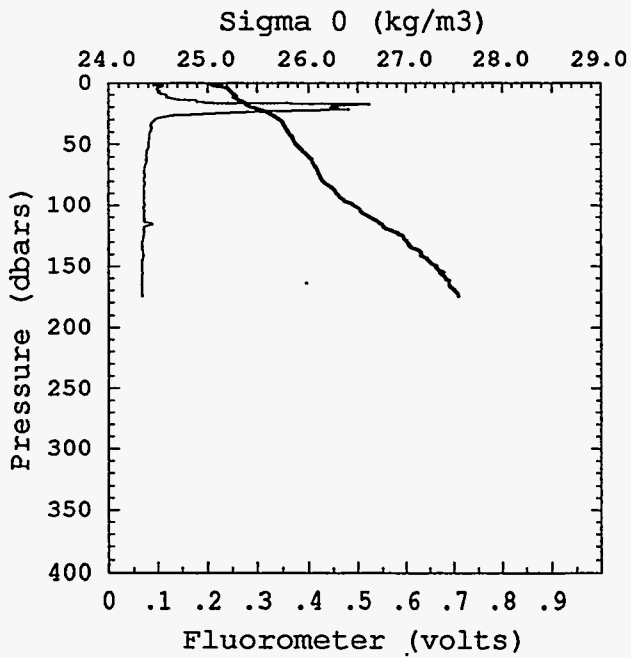
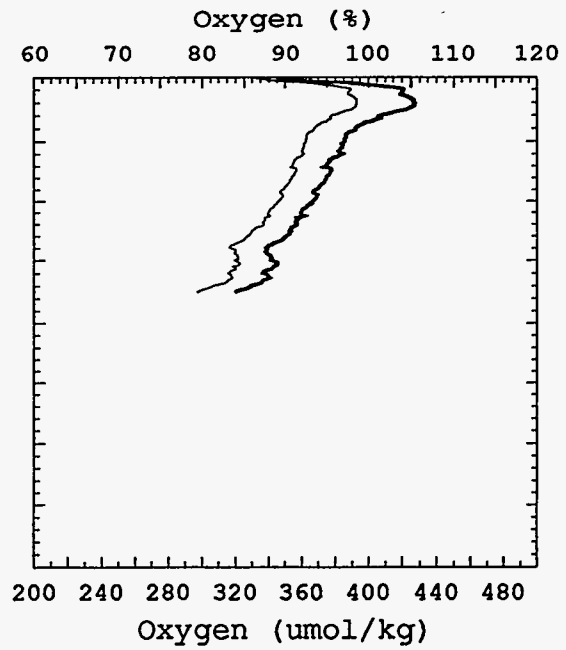
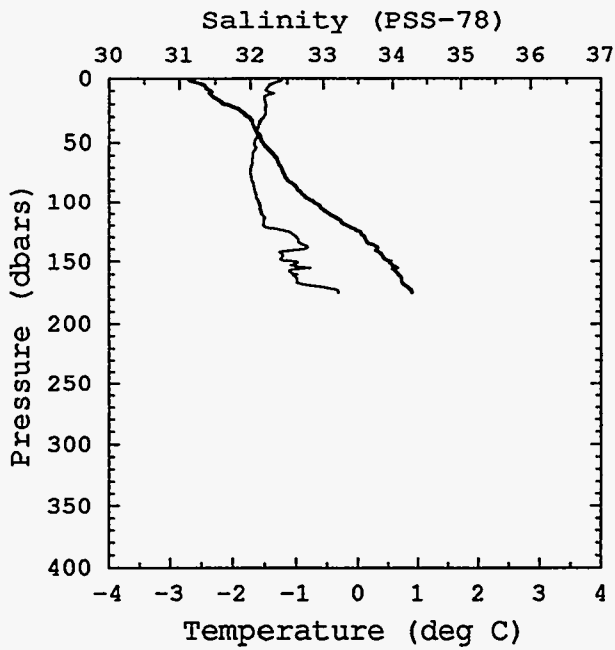
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 64 CTD 104
BOTTOM DEPTH= 219



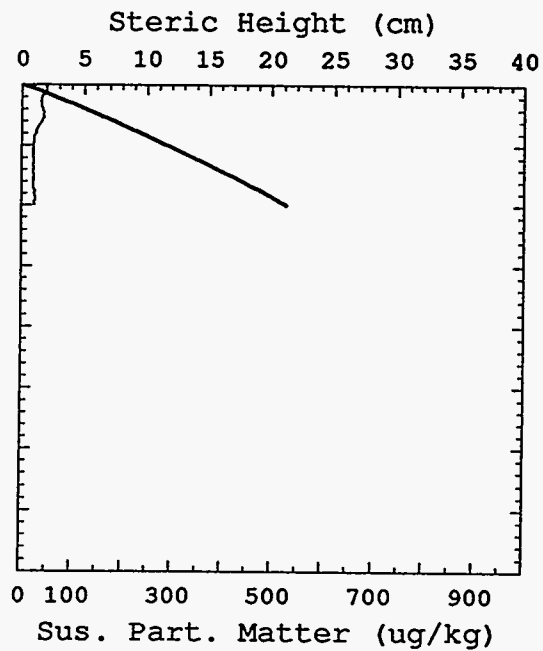
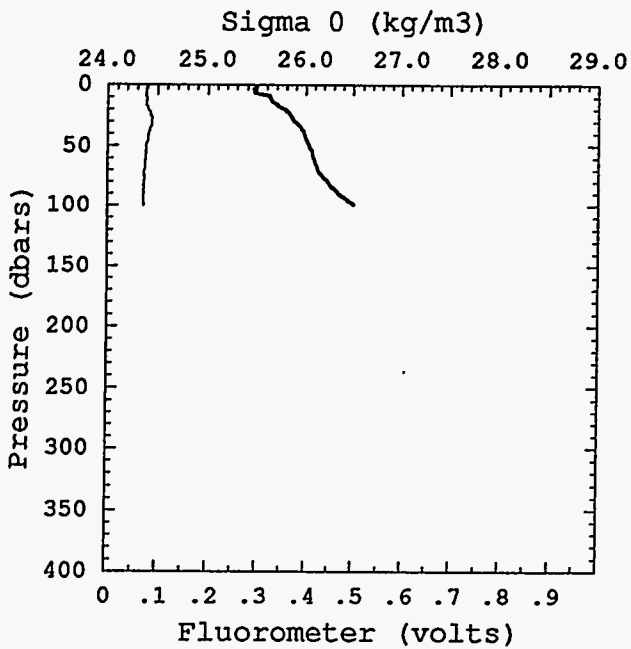
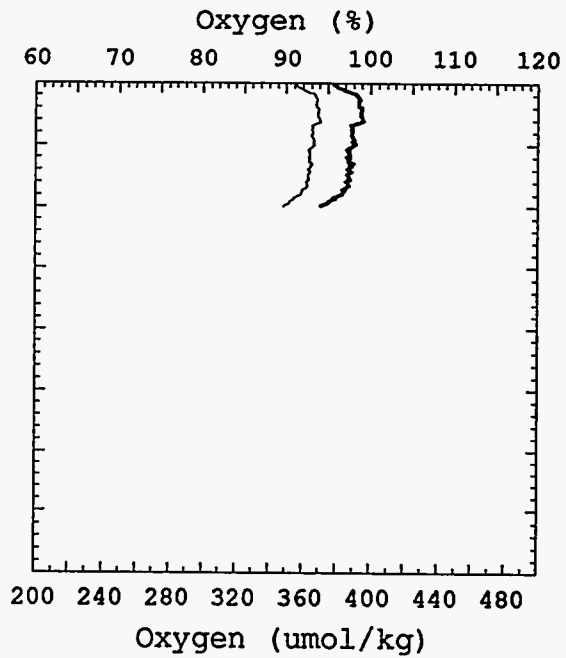
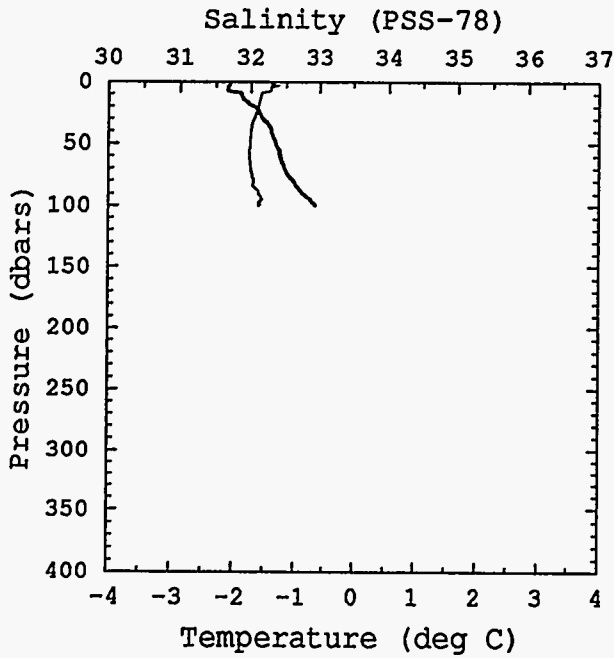
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 64 CTD 105
BOTTOM DEPTH= 175



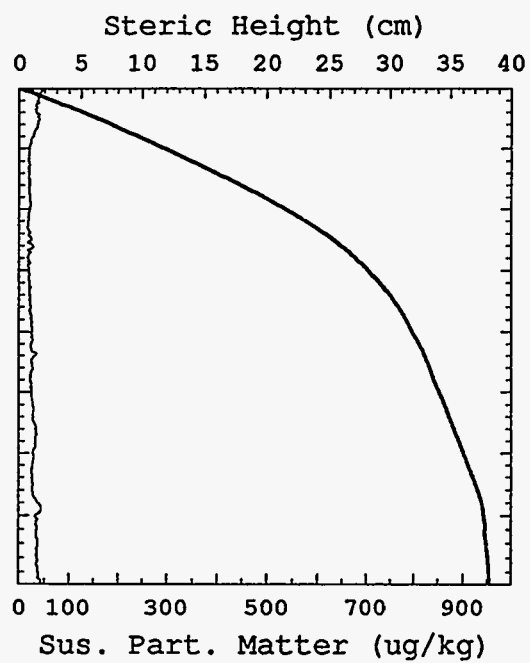
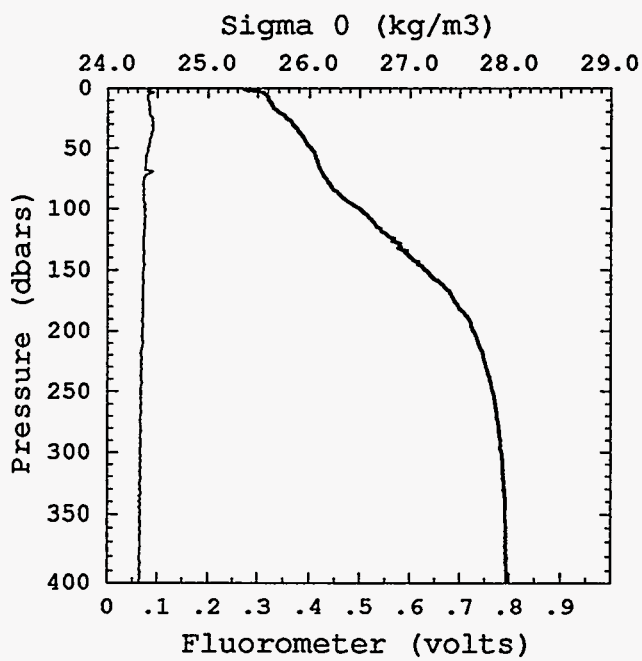
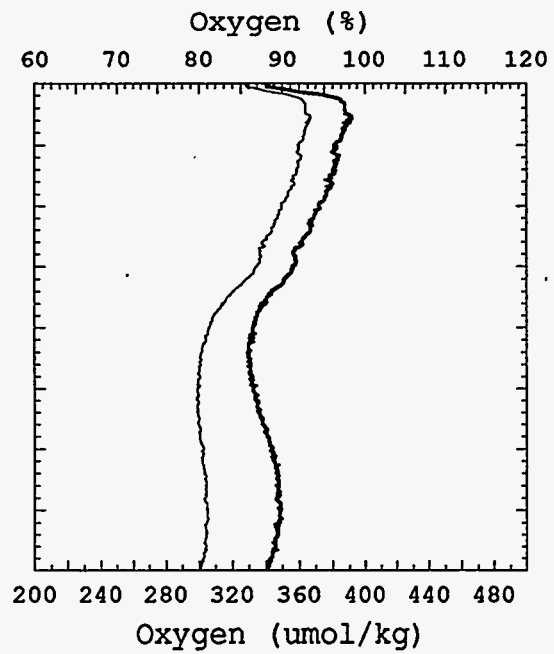
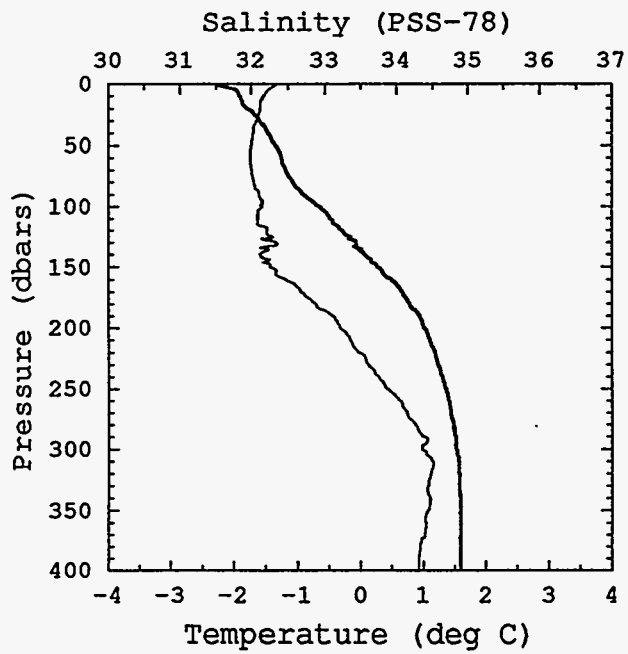
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 65 CTD 106
BOTTOM DEPTH= 100



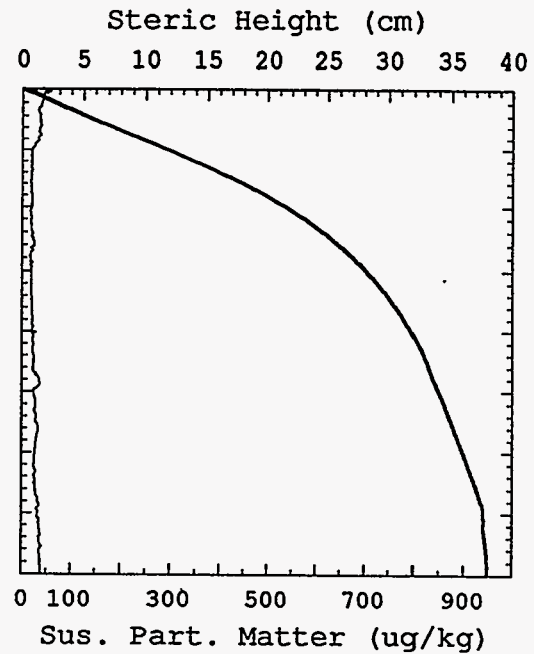
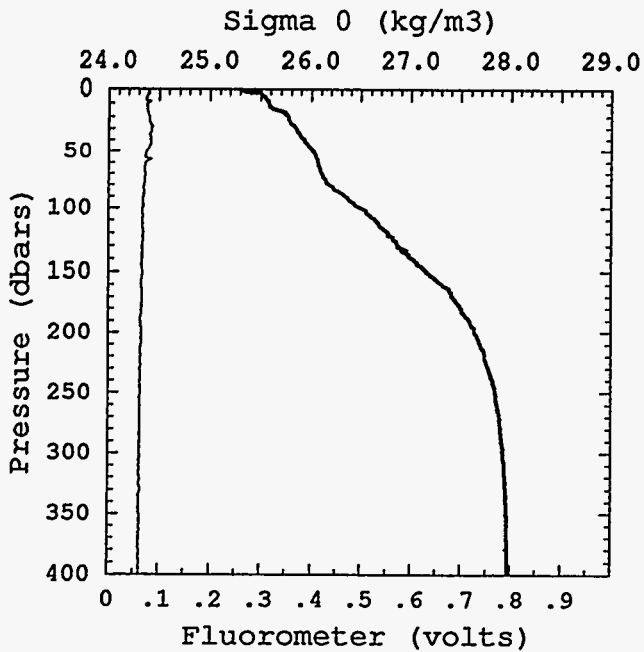
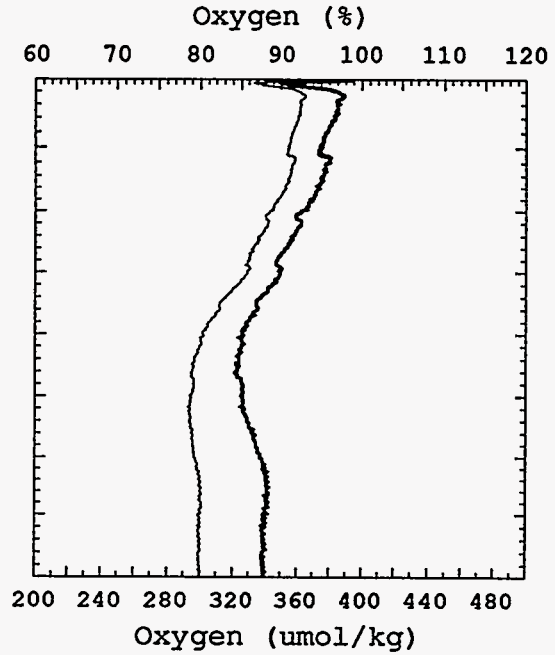
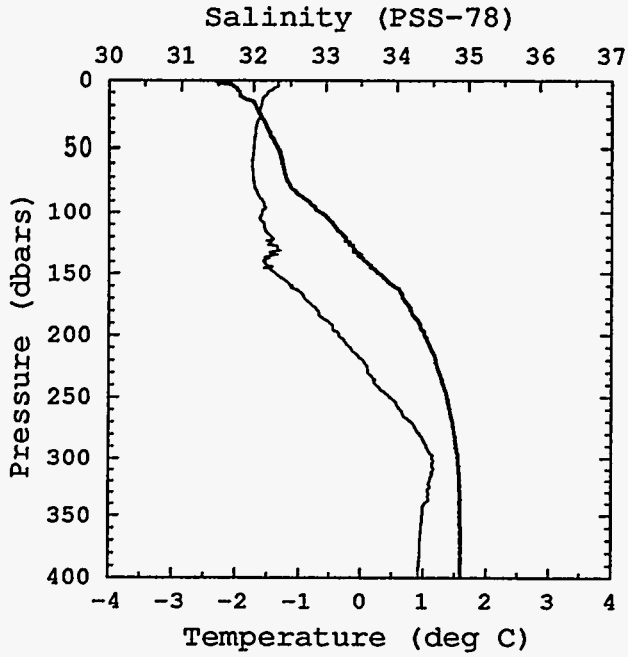
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 65 CTD 107
BOTTOM DEPTH= 512



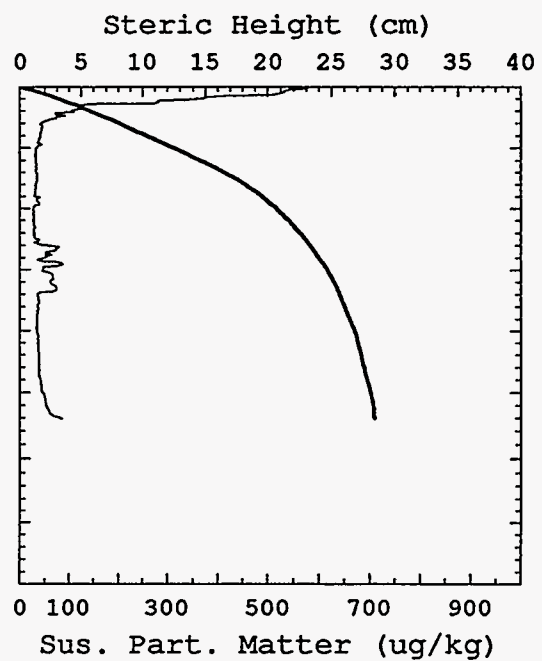
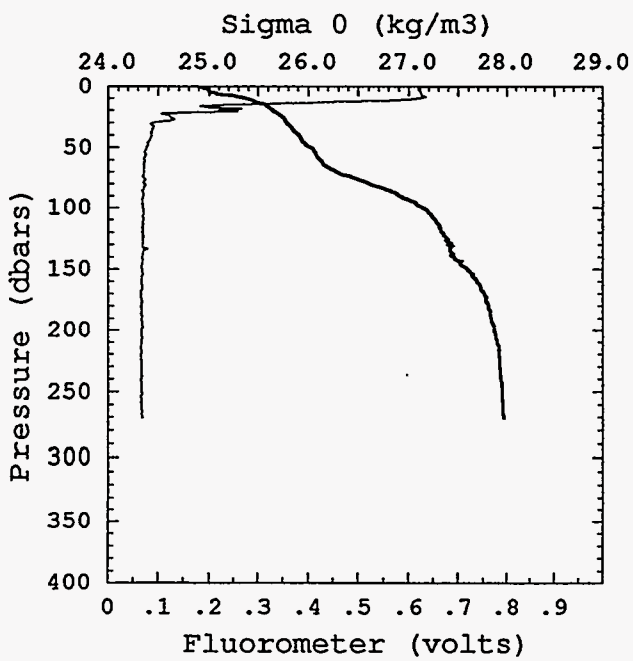
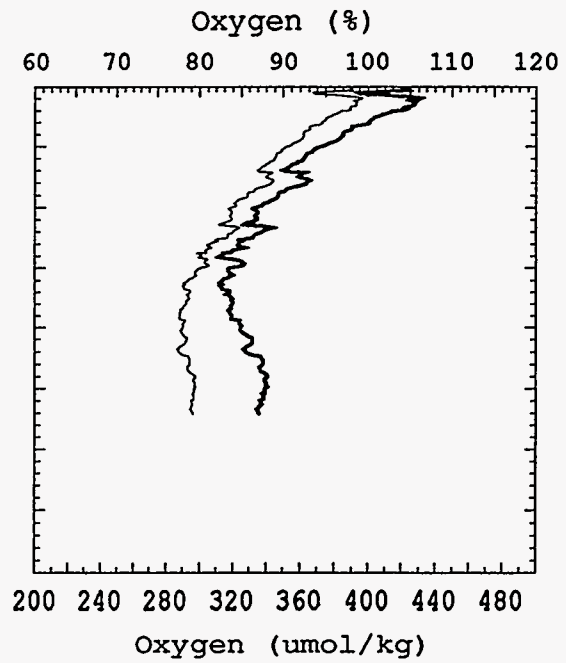
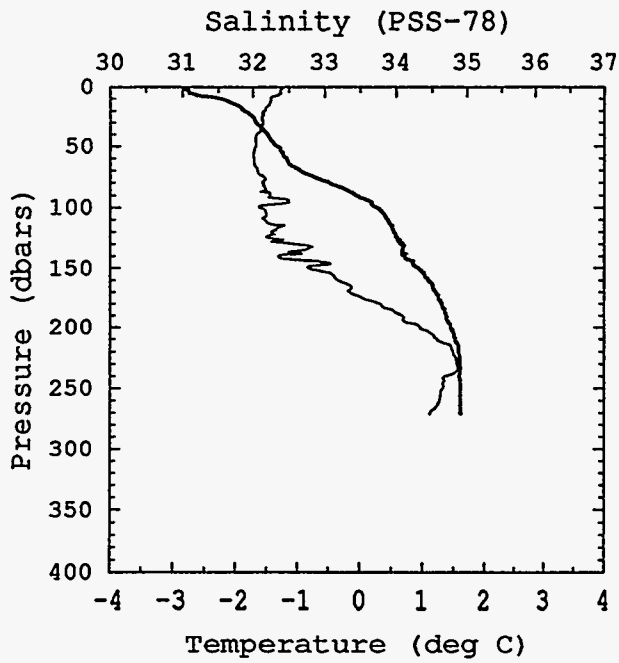
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 65 CTD 108
BOTTOM DEPTH= 515



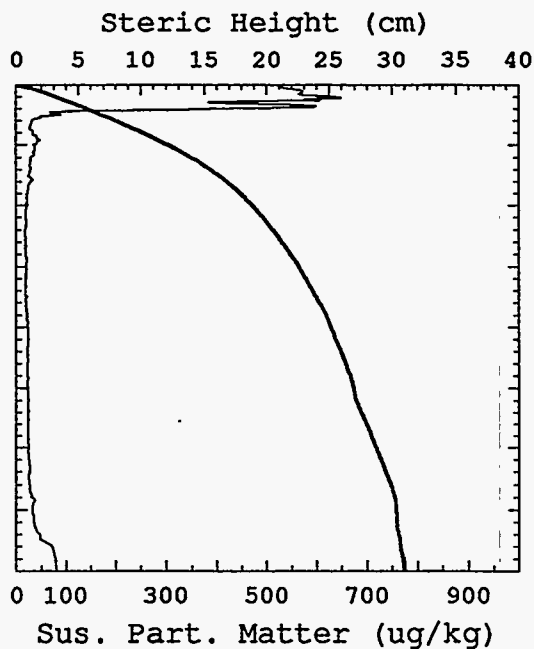
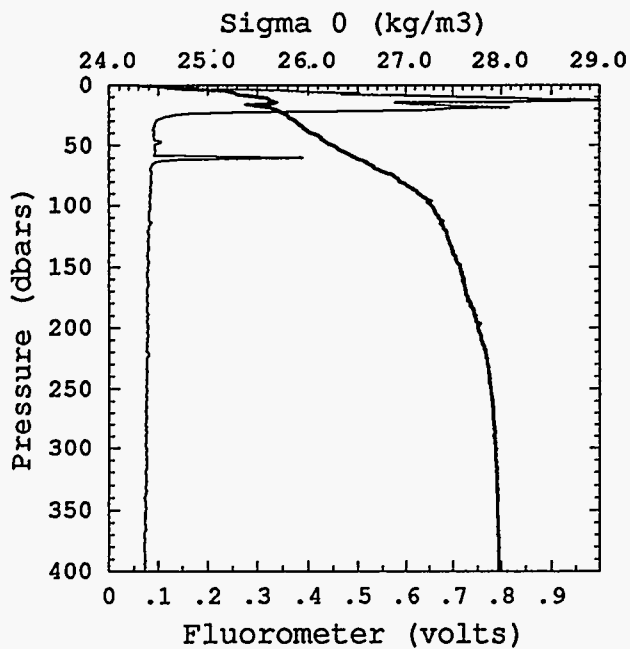
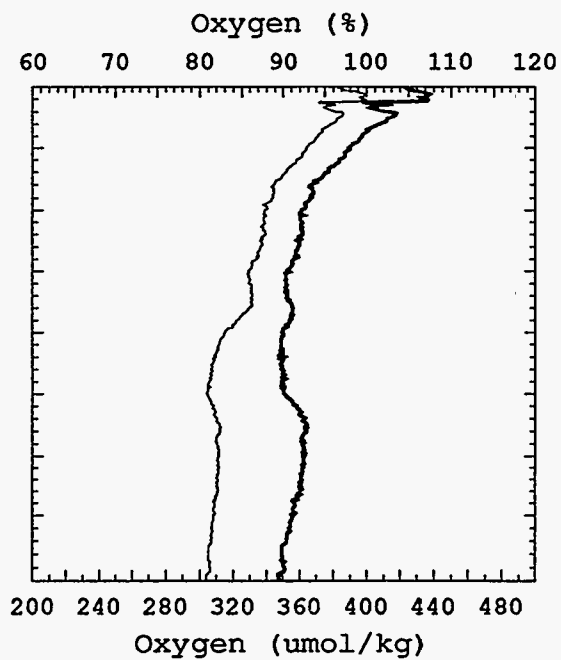
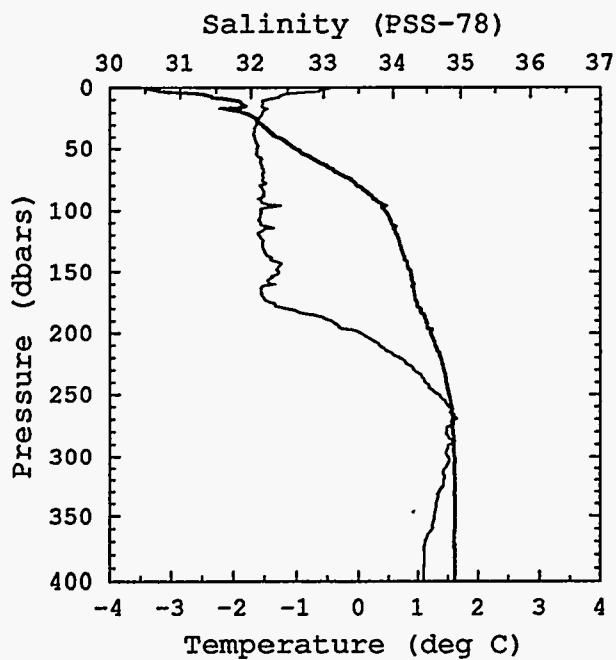
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 66 CTD 109
BOTTOM DEPTH= 271



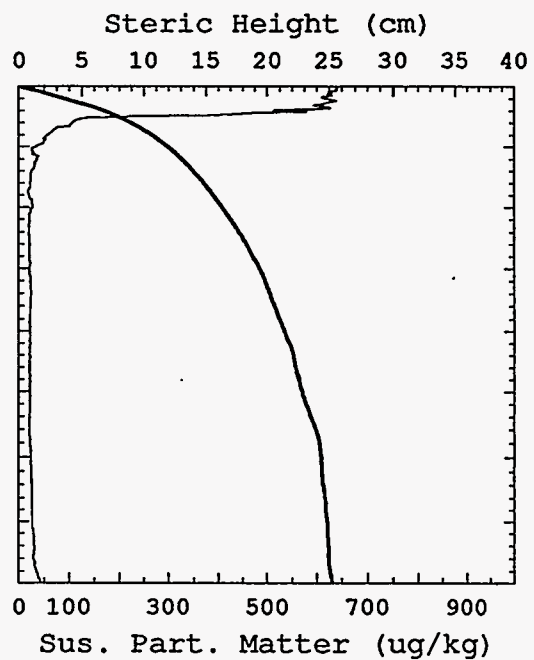
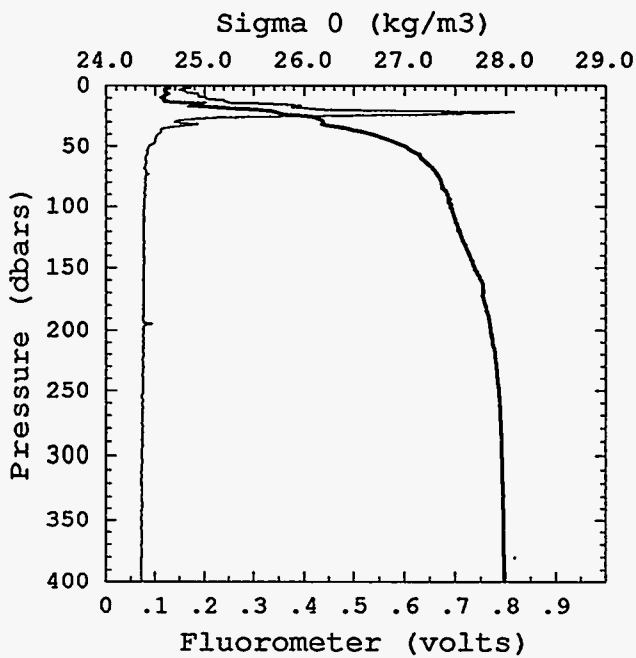
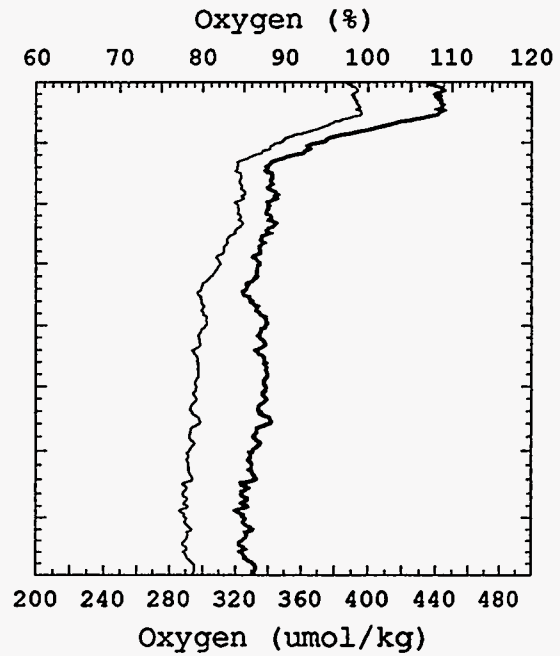
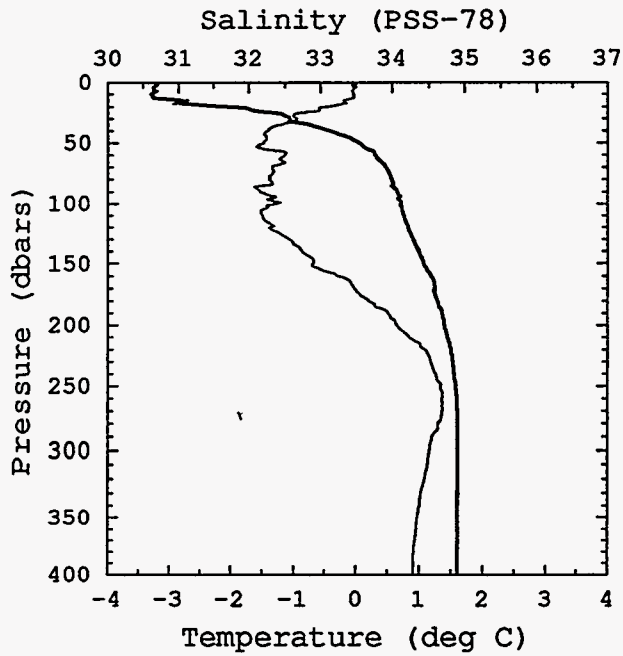
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 67 CTD 110
BOTTOM DEPTH= 440



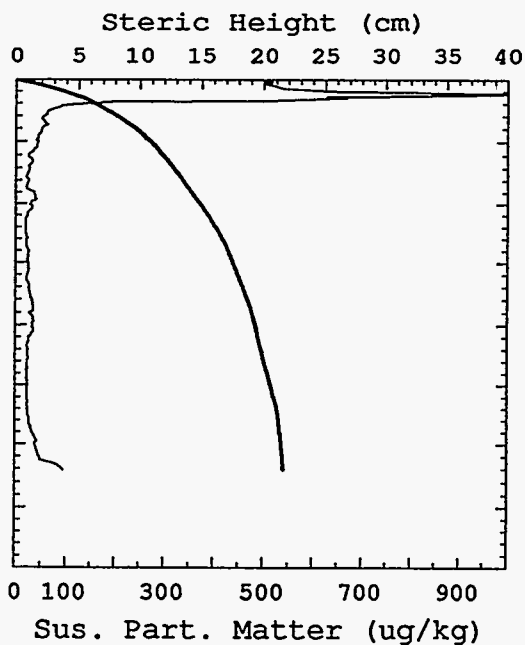
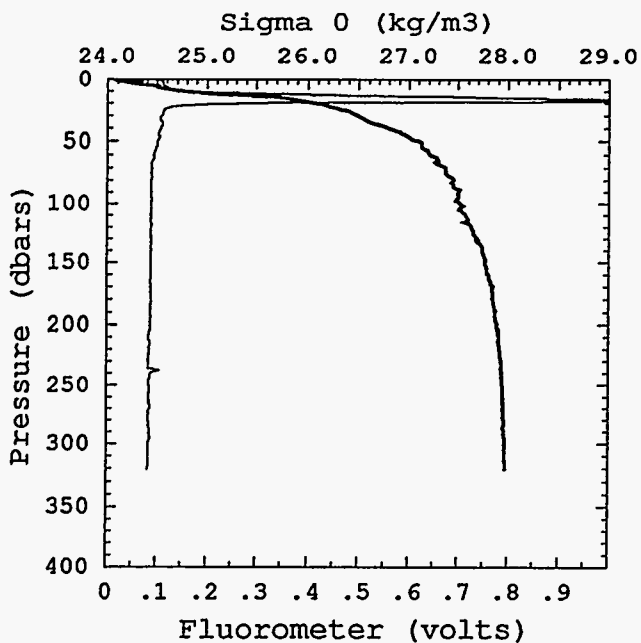
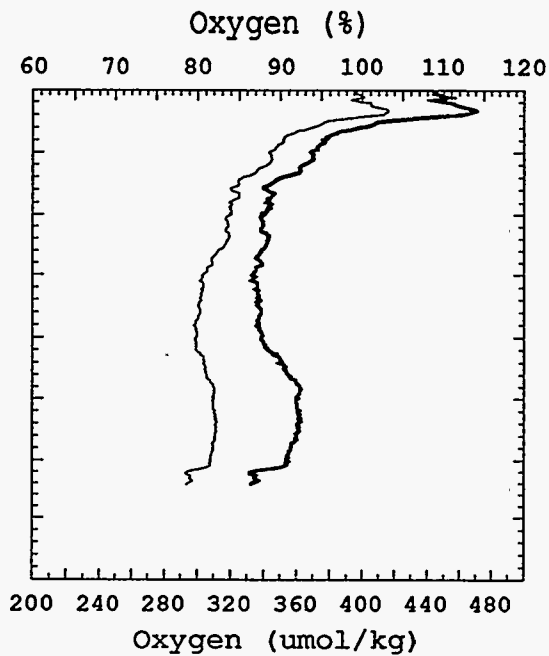
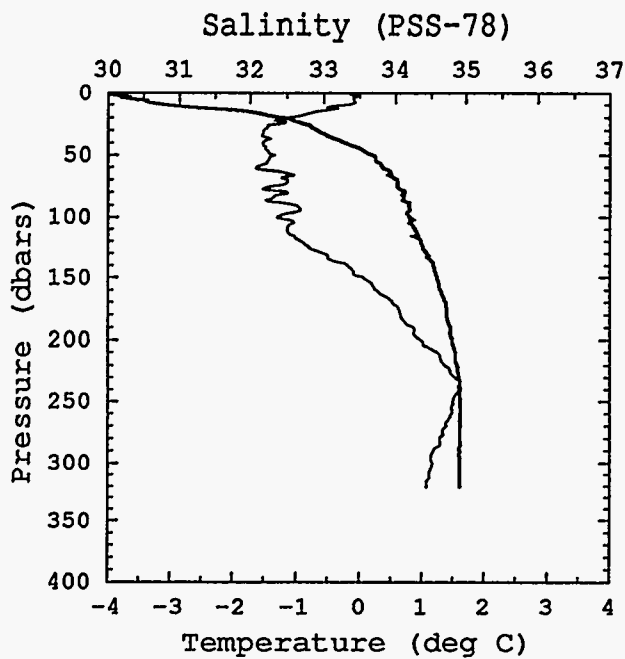
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 68 CTD 111
BOTTOM DEPTH= 490



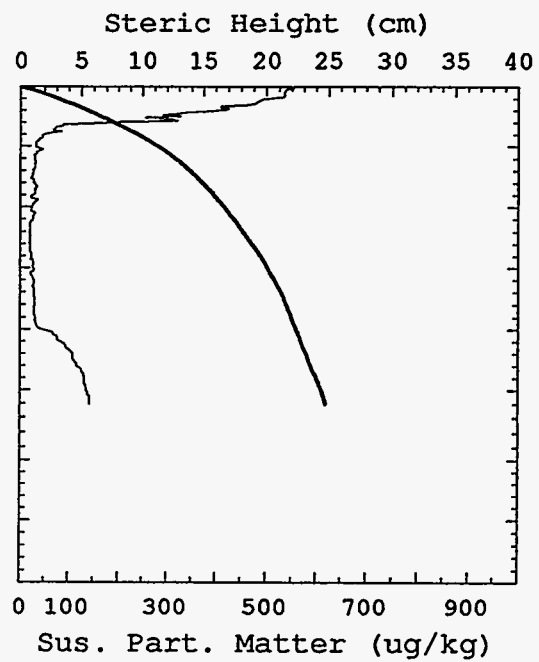
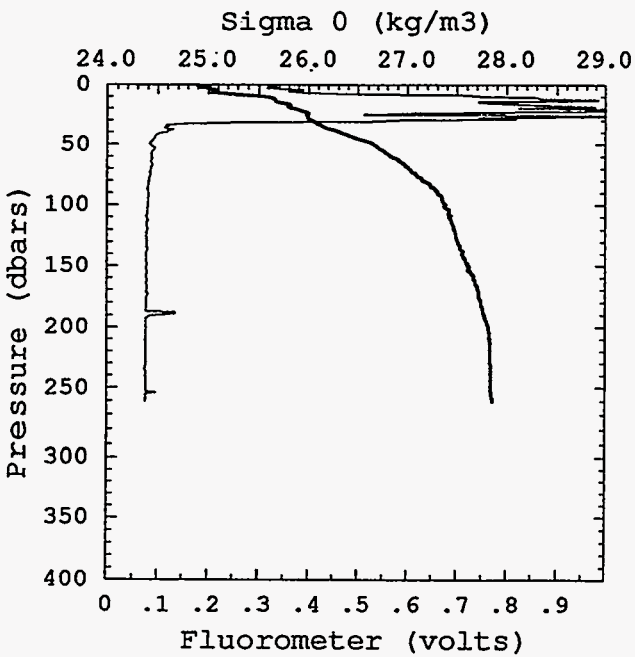
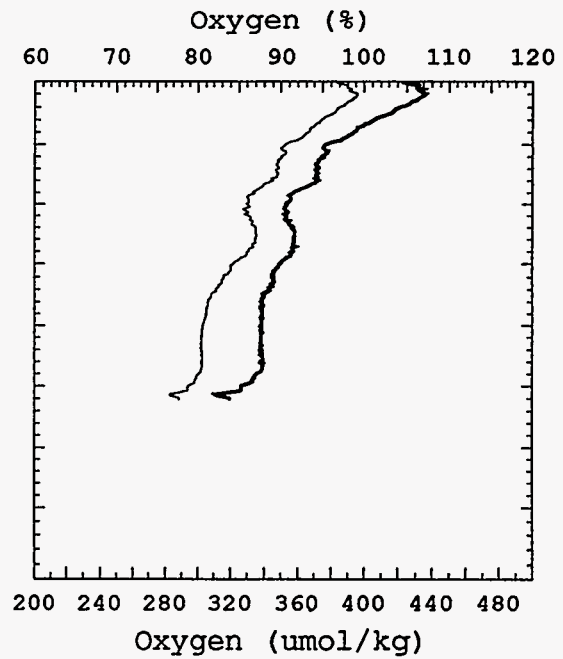
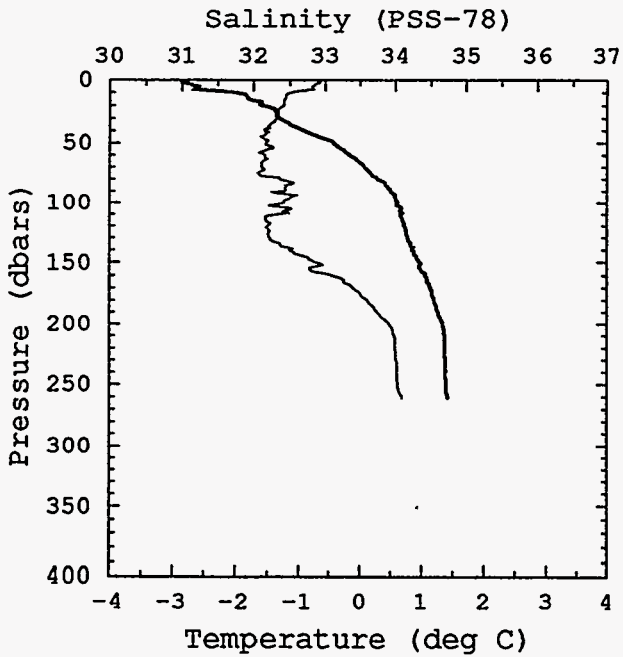
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 69 CTD 112
BOTTOM DEPTH= 321



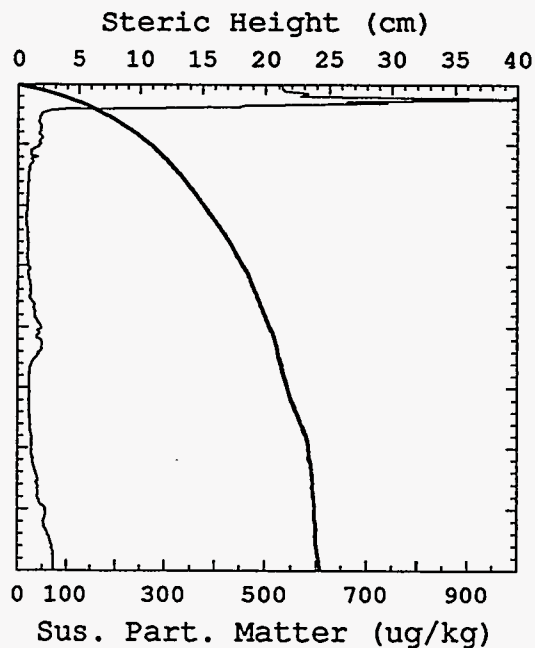
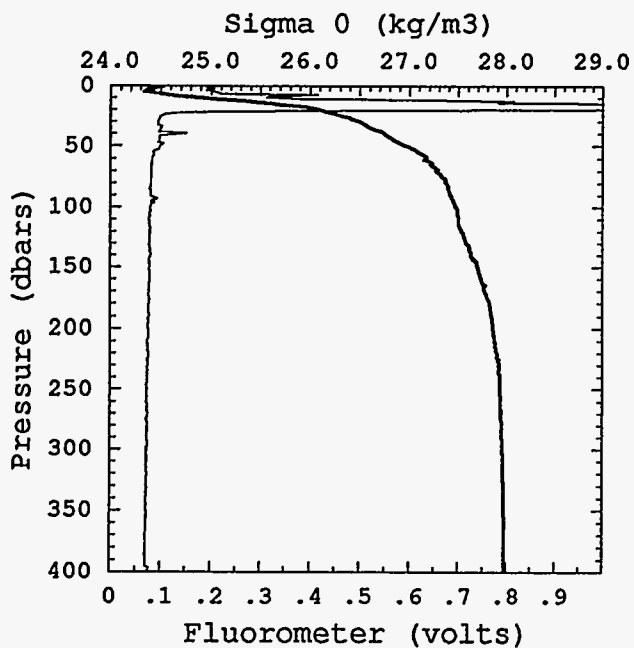
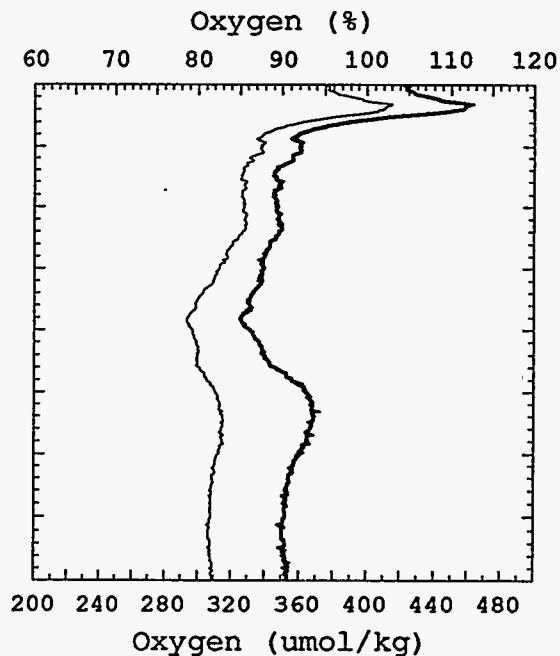
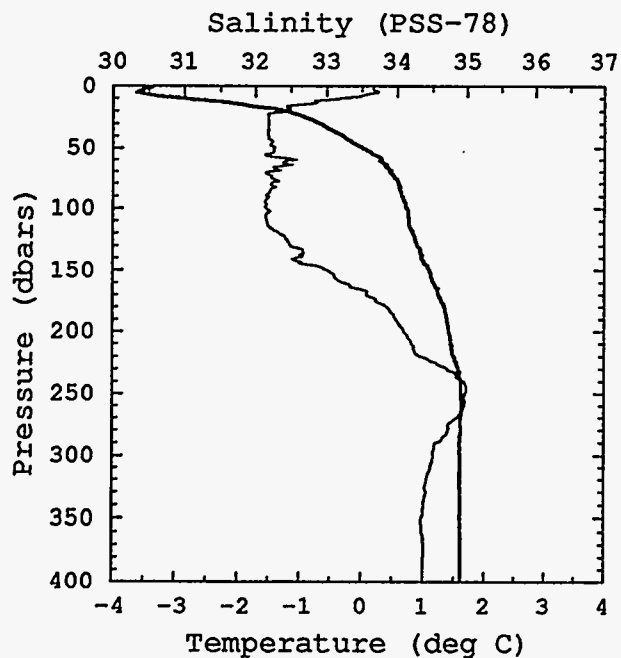
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 70 CTD 113
BOTTOM DEPTH= 261



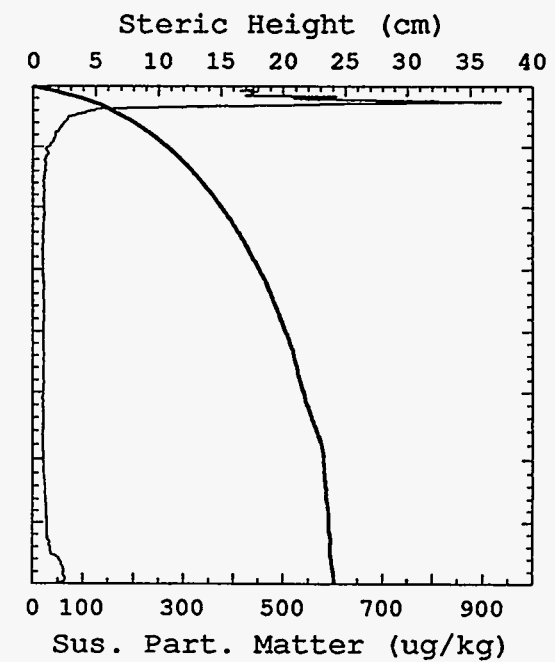
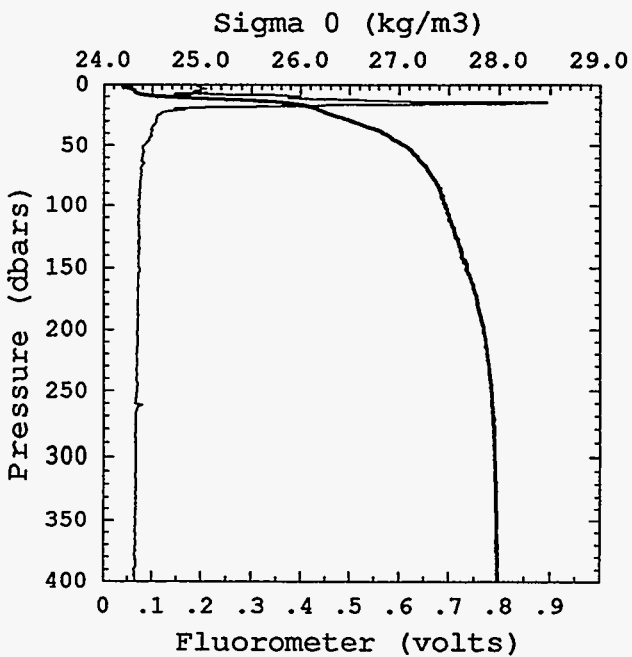
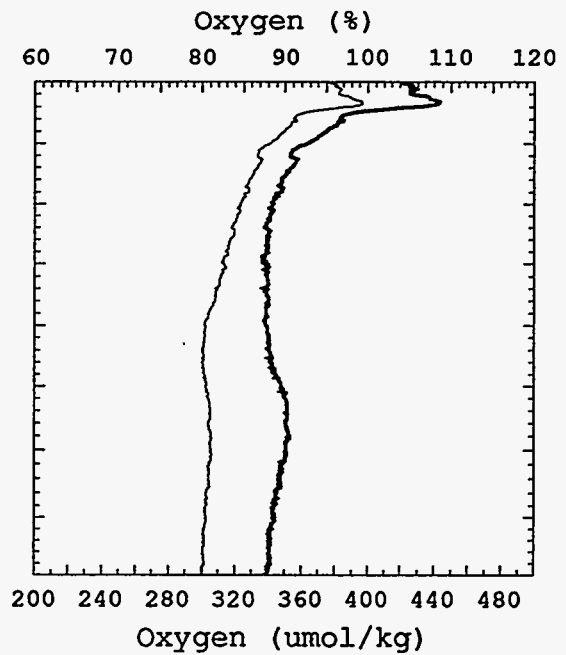
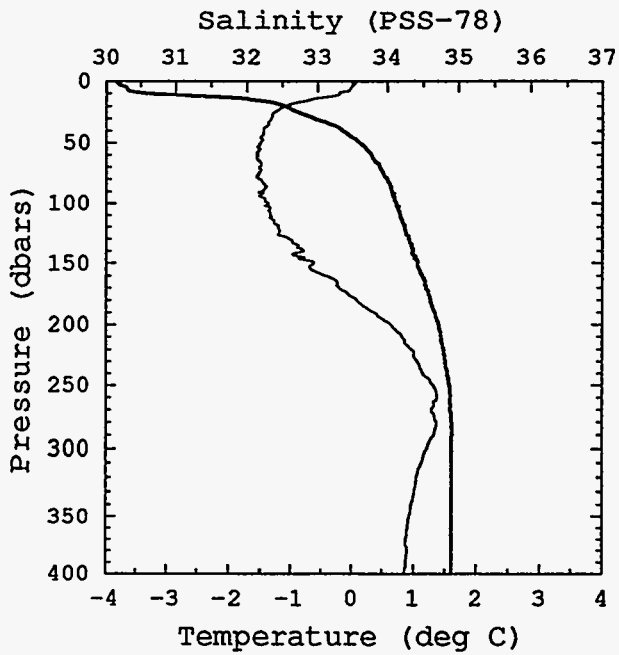
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 71 CTD 114
BOTTOM DEPTH= 414



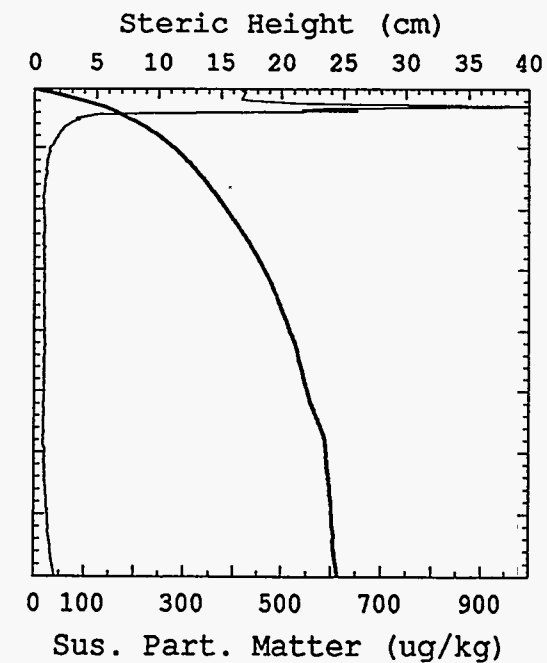
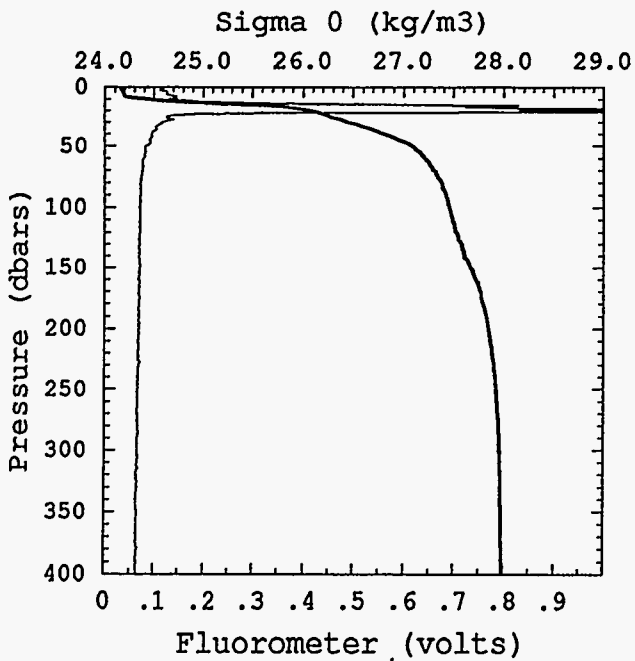
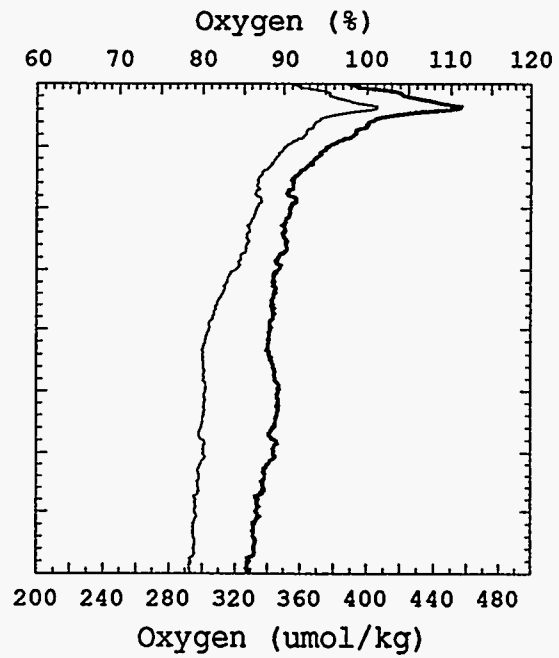
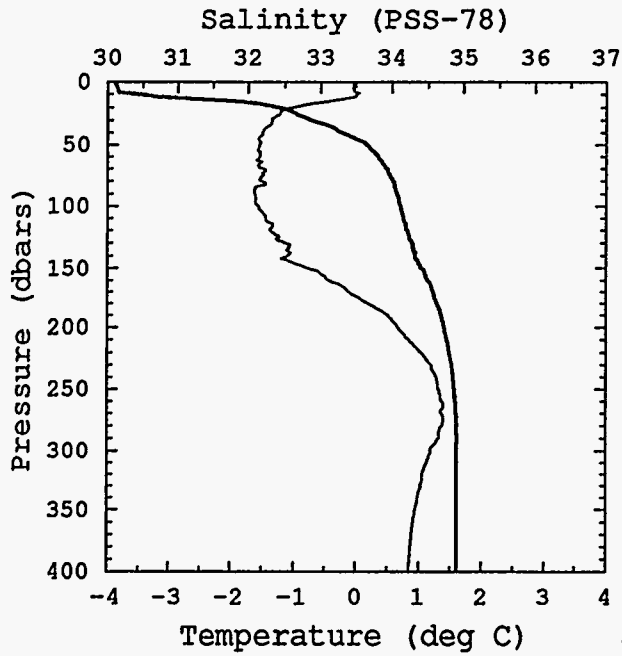
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 72 CTD 115
BOTTOM DEPTH= 486



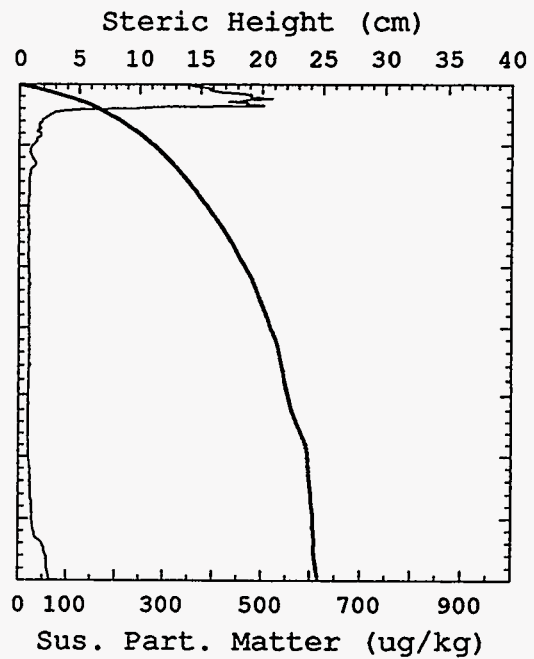
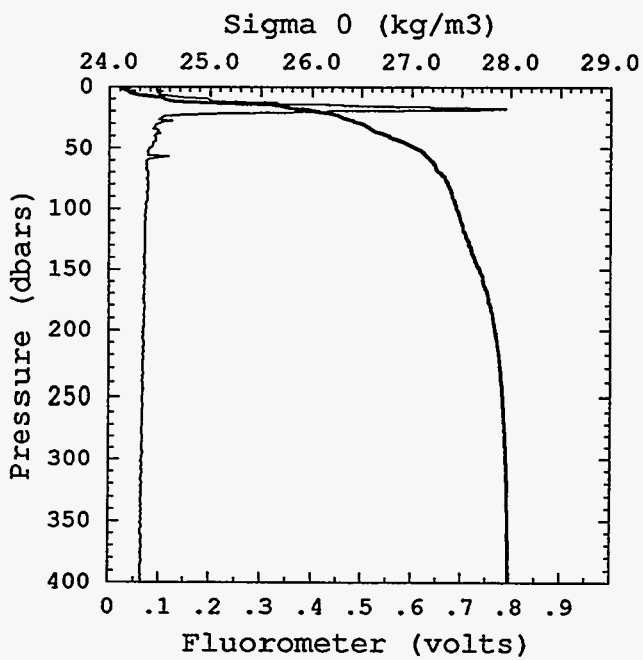
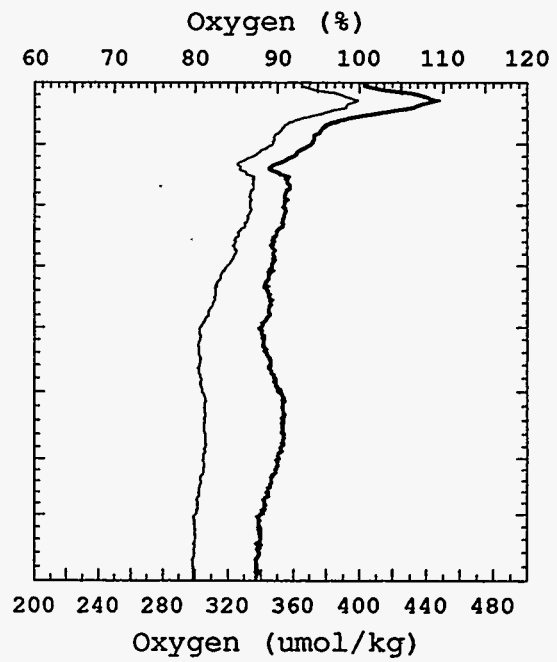
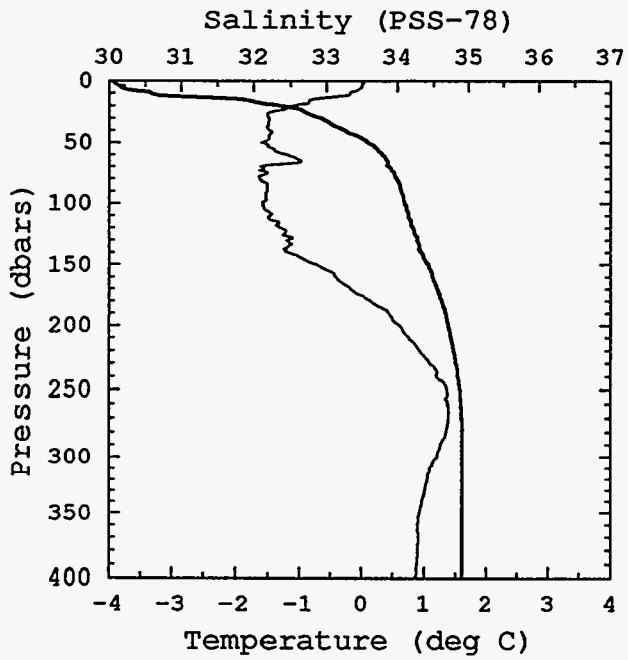
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 72 CTD 116
BOTTOM DEPTH= 490



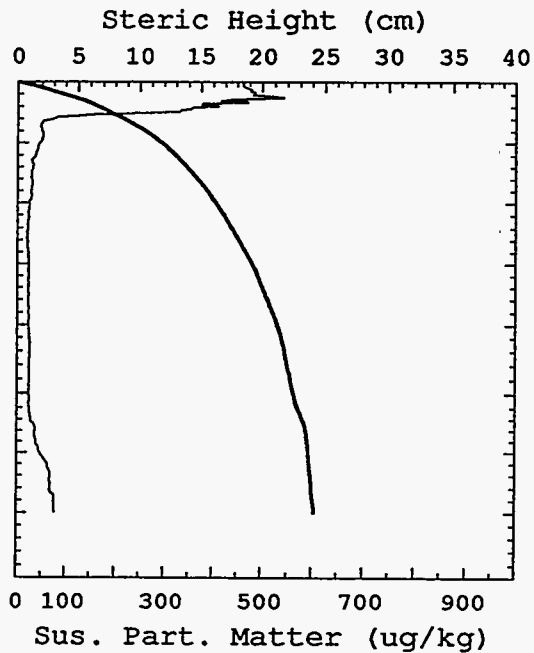
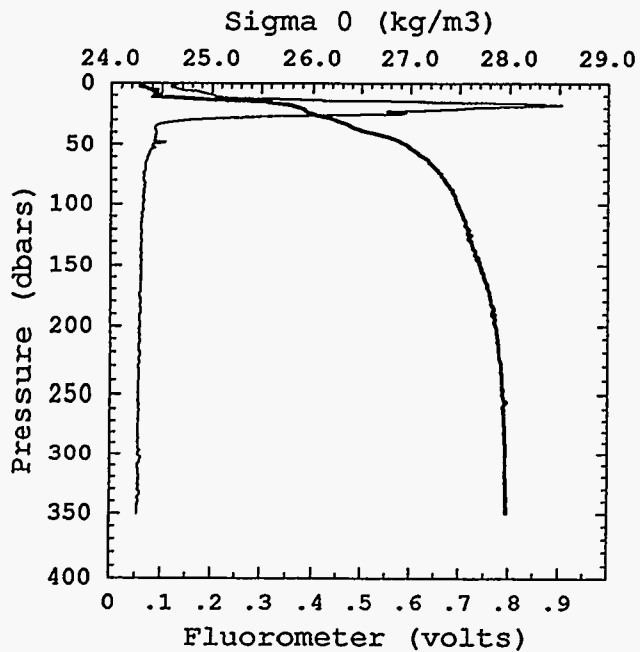
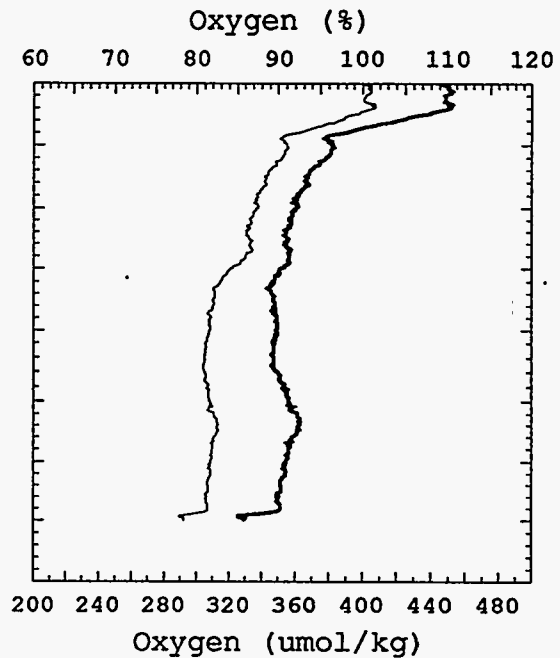
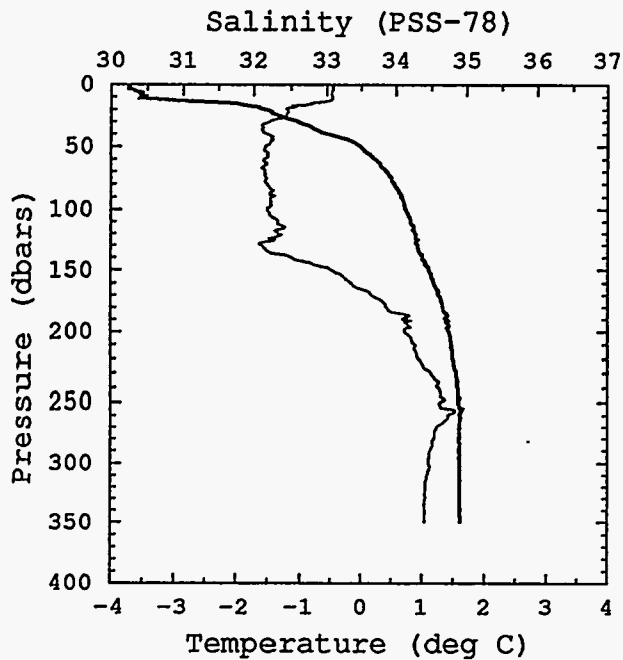
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 72 CTD 117
BOTTOM DEPTH= 449



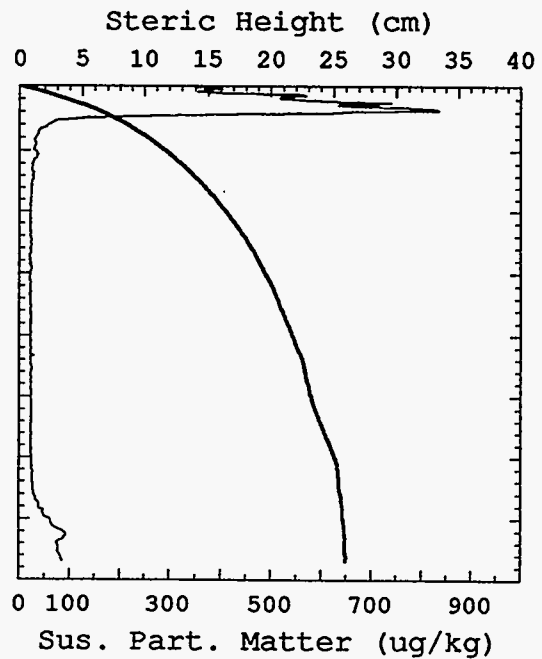
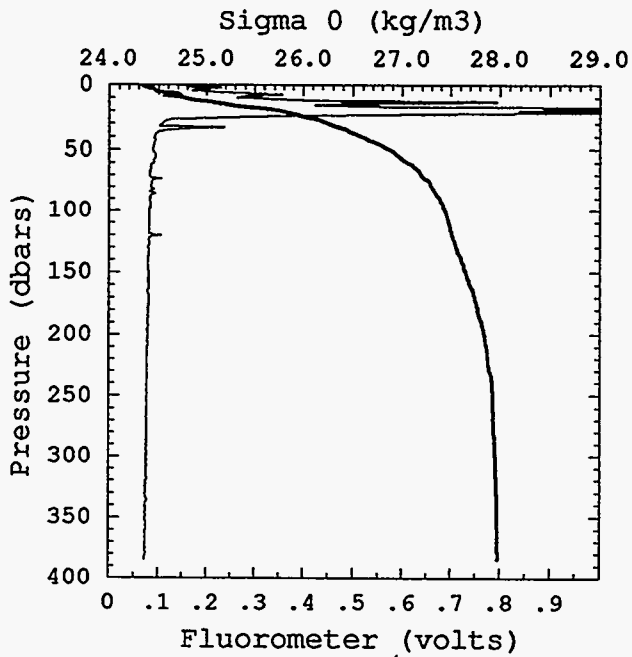
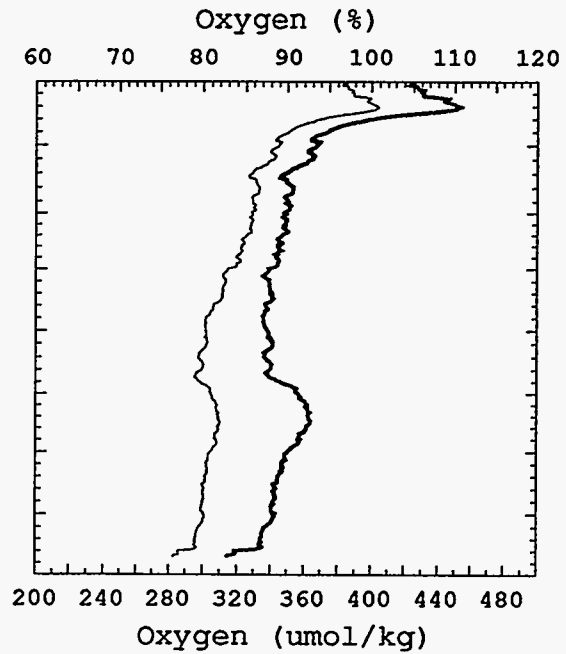
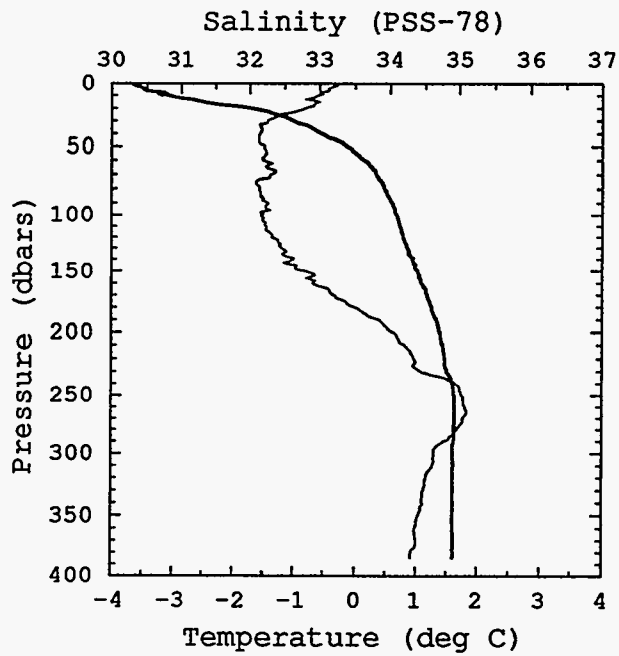
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 73 CTD 118
BOTTOM DEPTH= 350



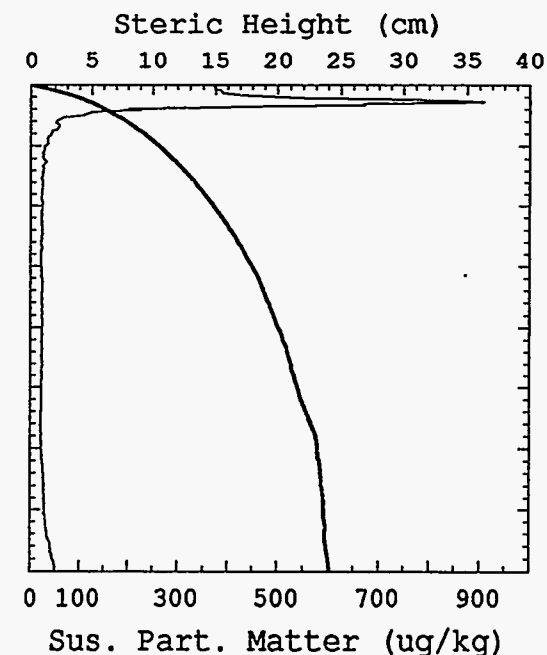
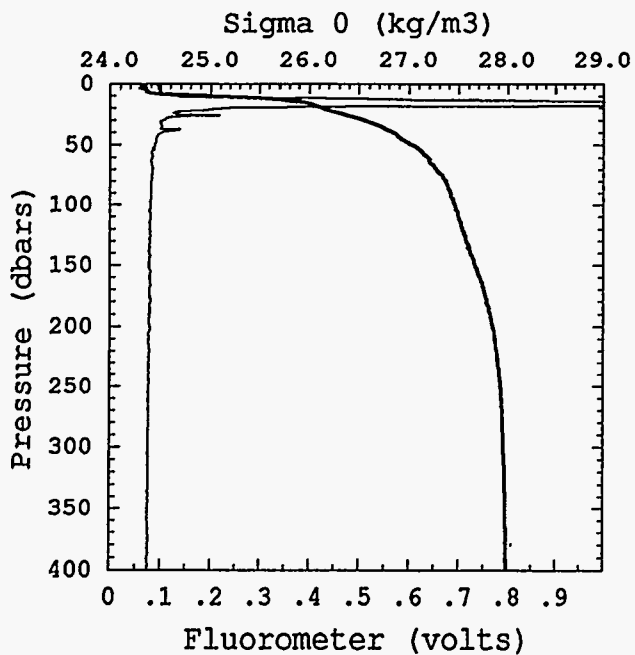
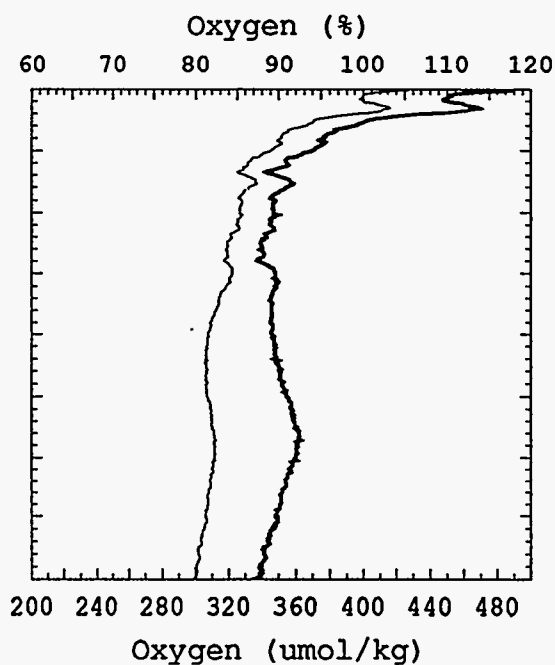
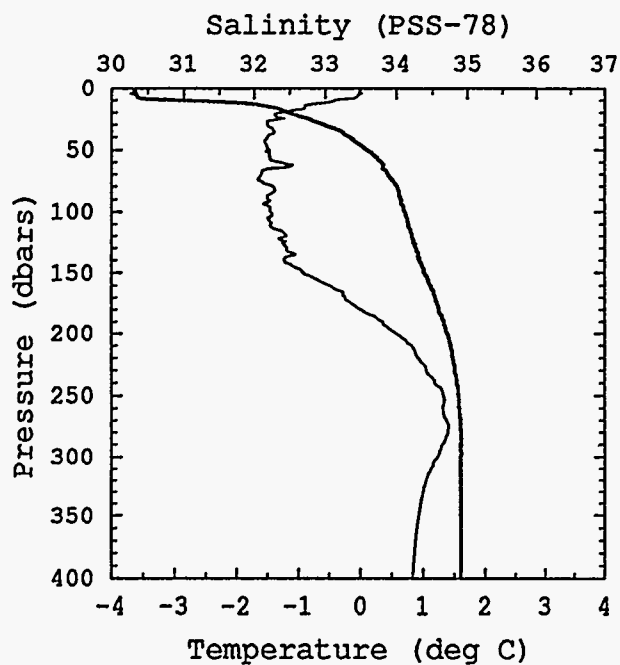
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 74 CTD 119
BOTTOM DEPTH= 385



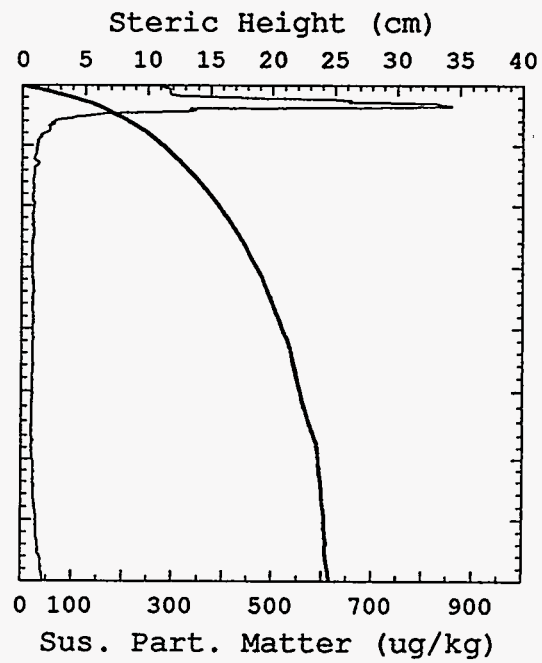
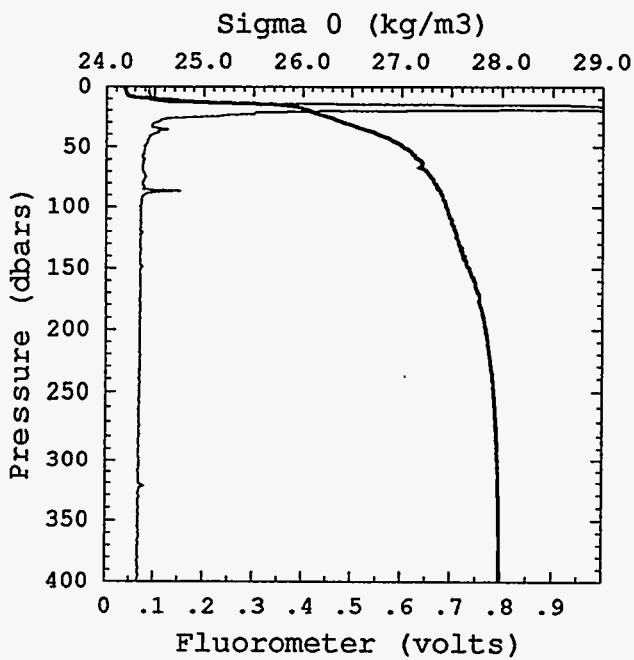
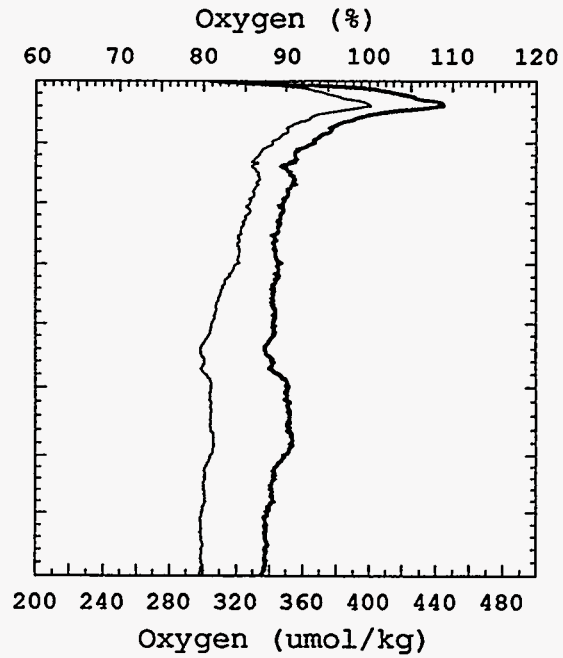
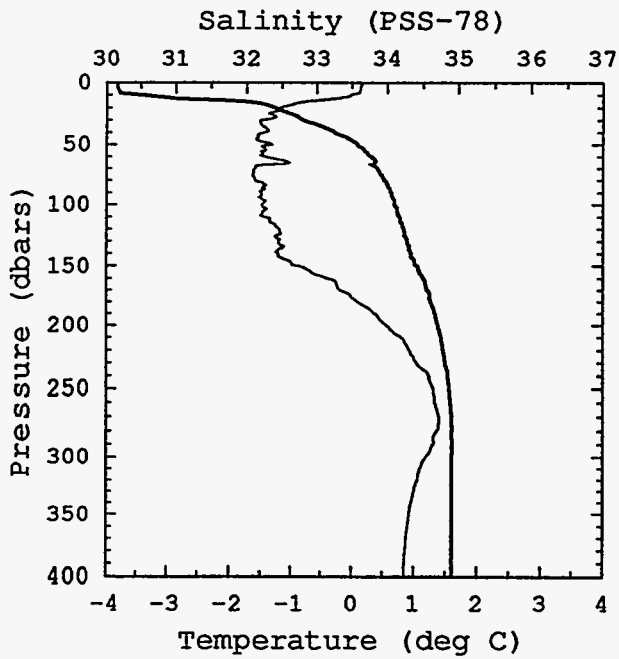
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 72 CTD 120
BOTTOM DEPTH= 478



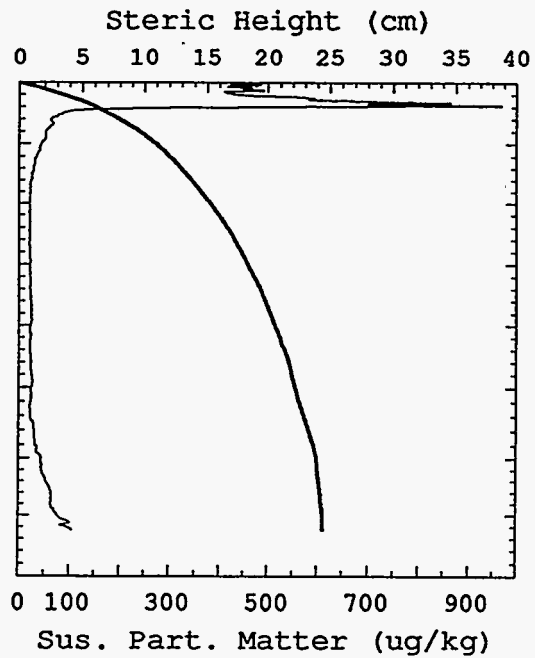
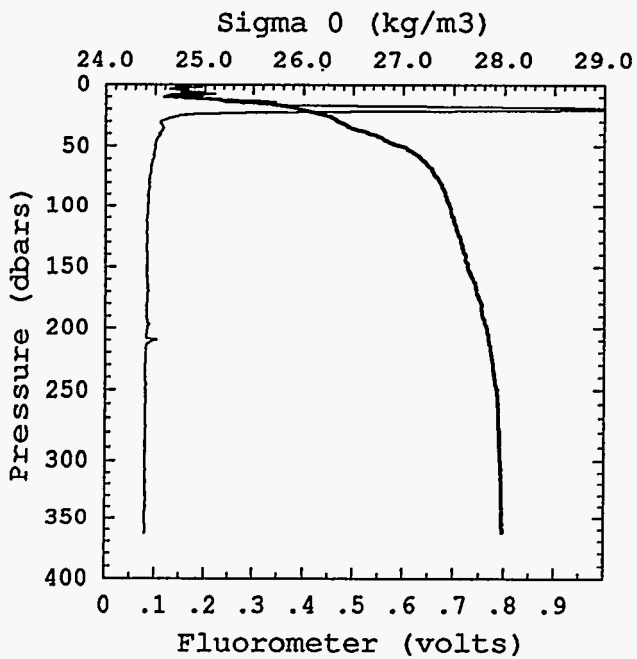
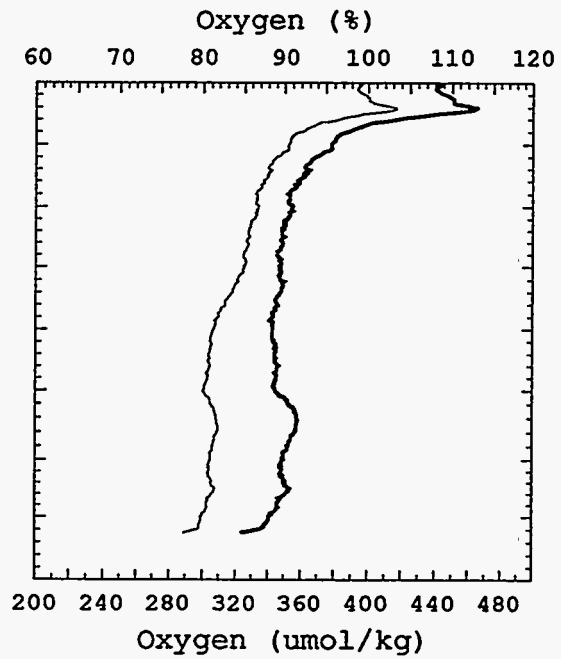
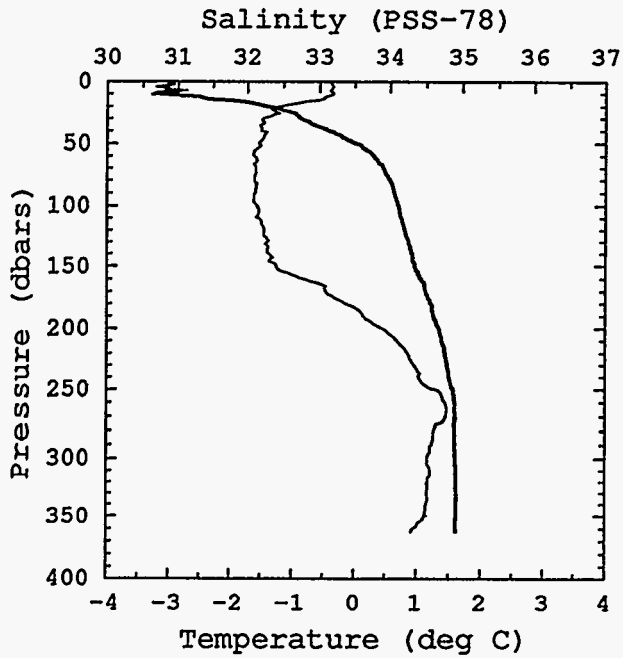
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 72 CTD 121
BOTTOM DEPTH= 485



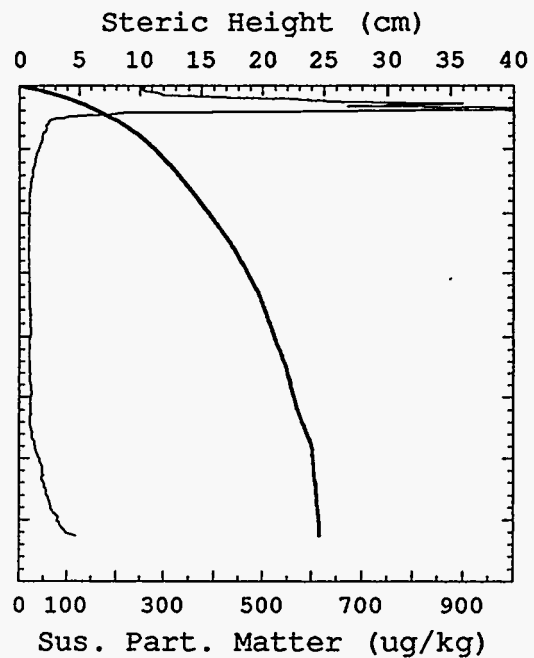
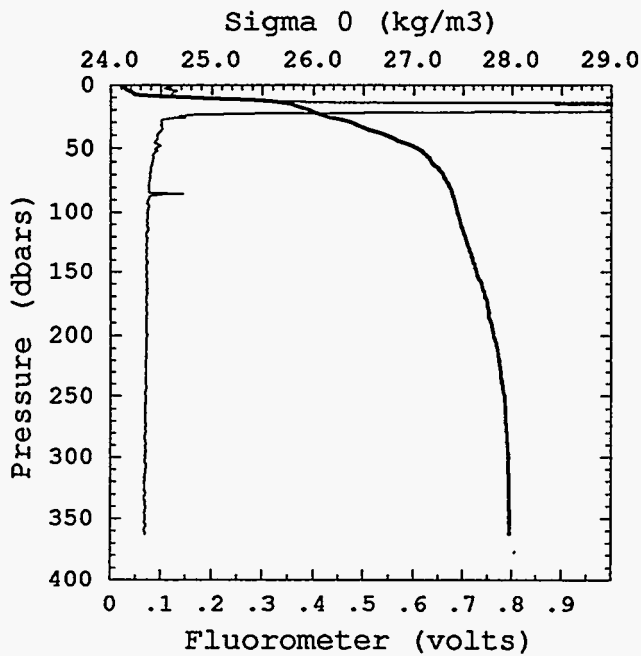
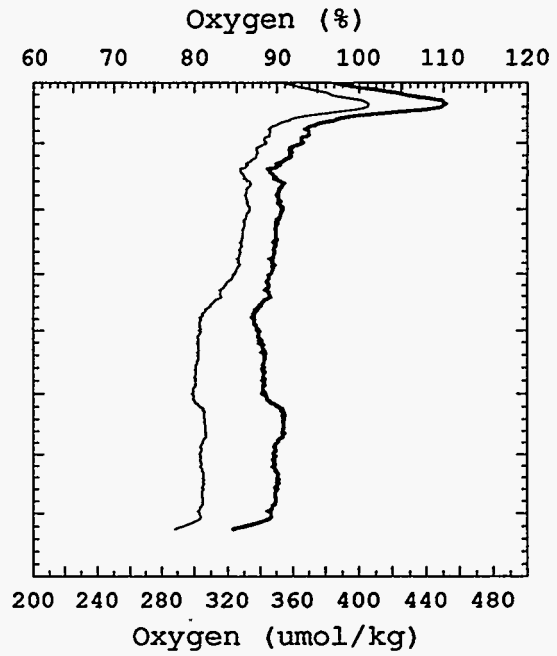
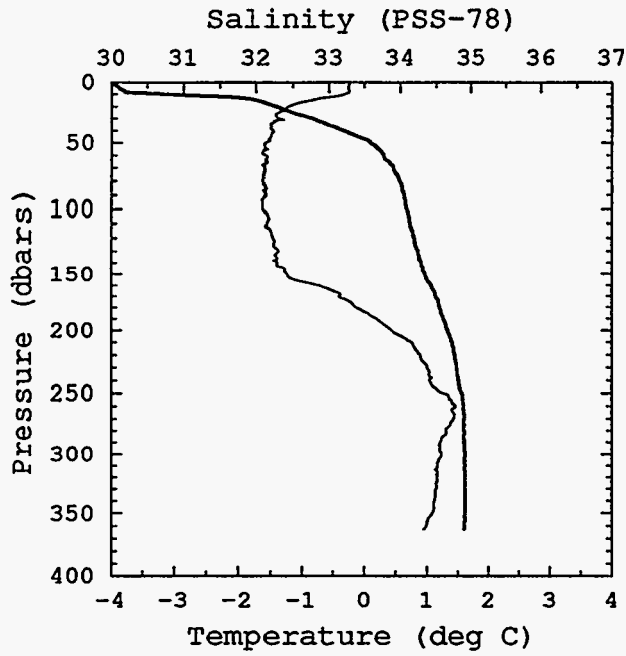
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 75 CTD 122
BOTTOM DEPTH= 363



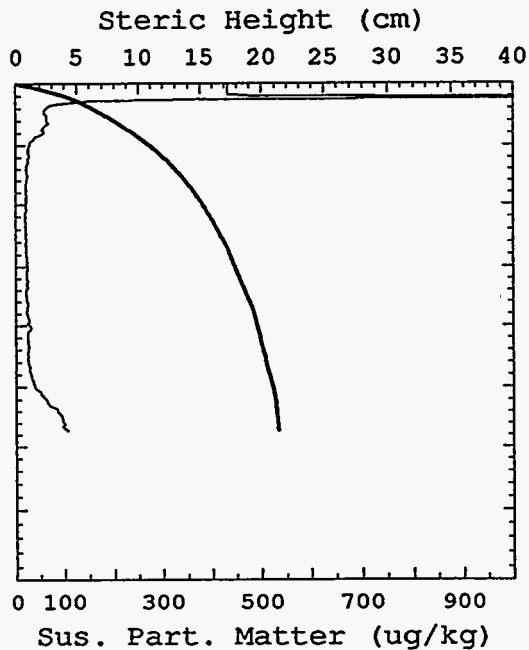
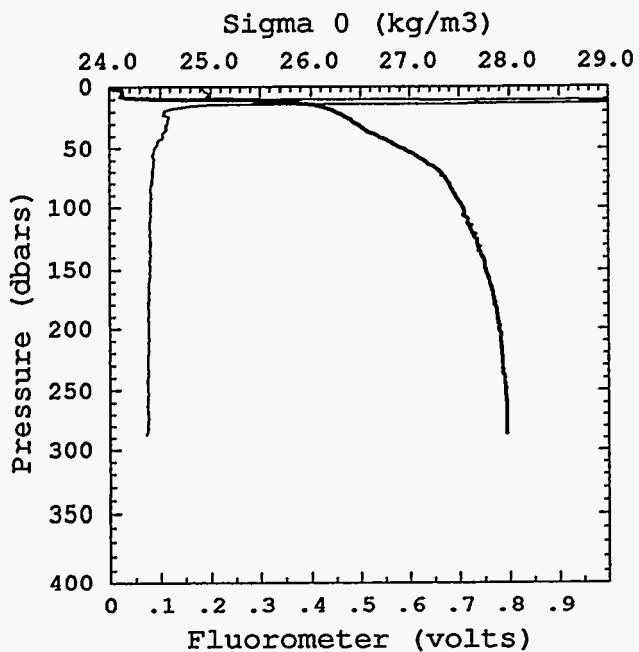
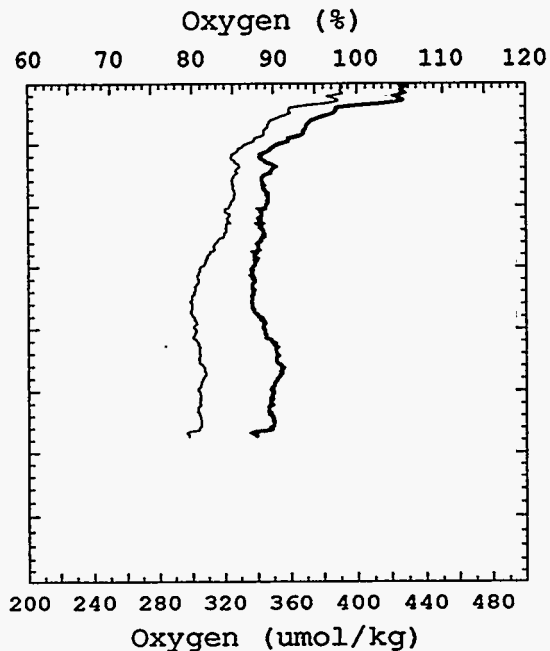
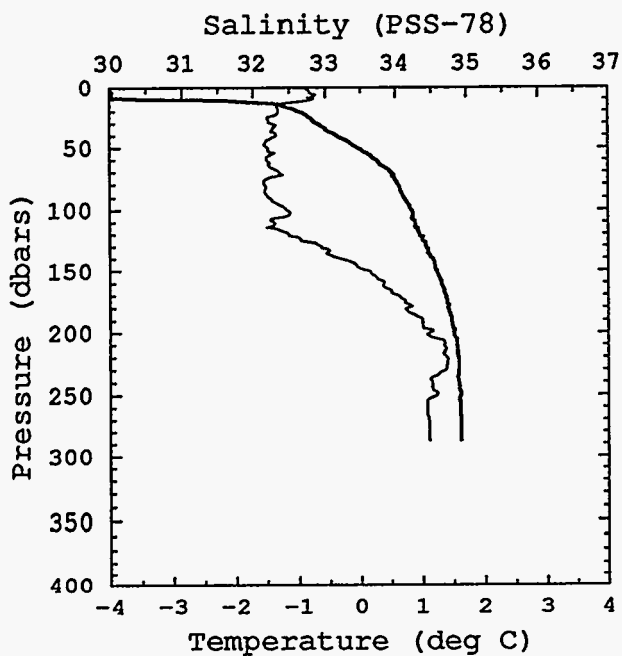
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 75 CTD 123
BOTTOM DEPTH= 363



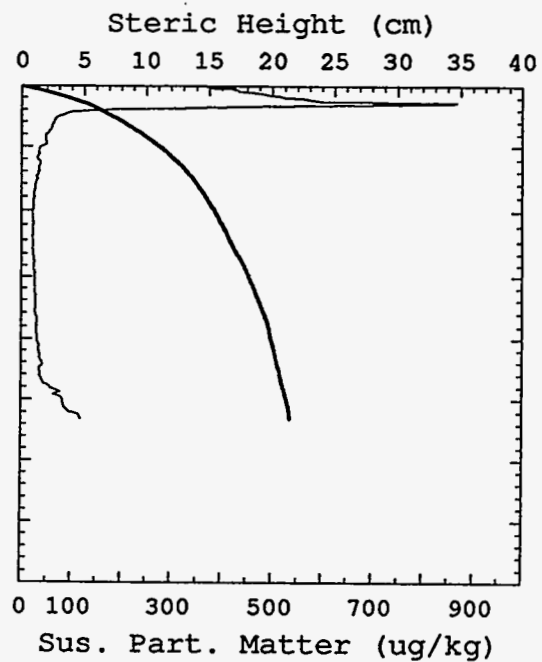
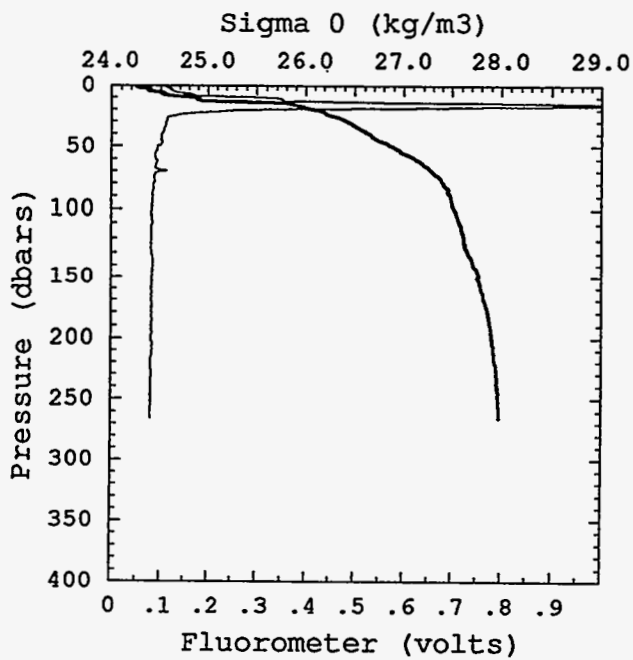
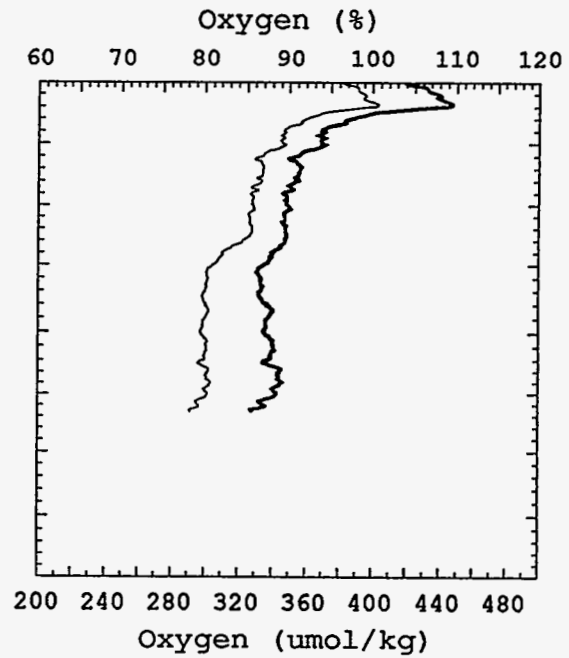
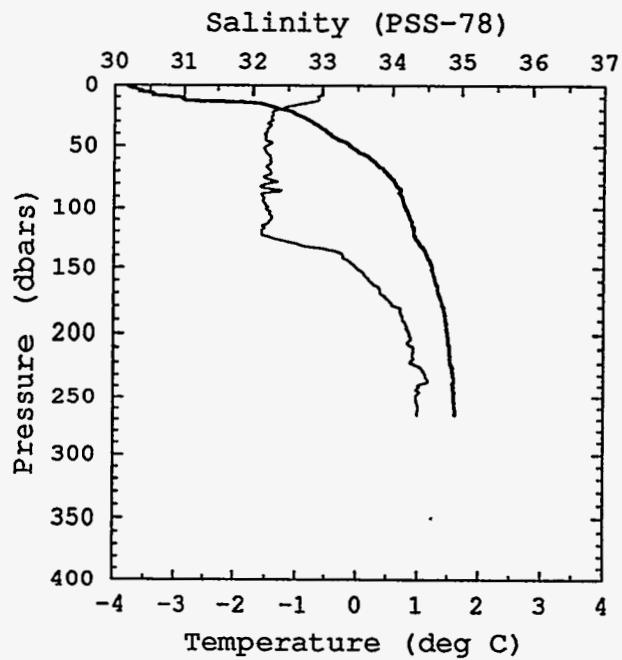
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 76 CTD 124
BOTTOM DEPTH= 287



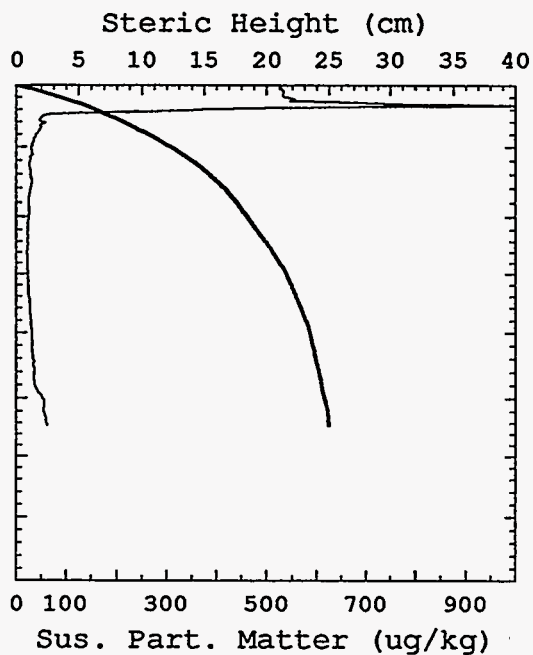
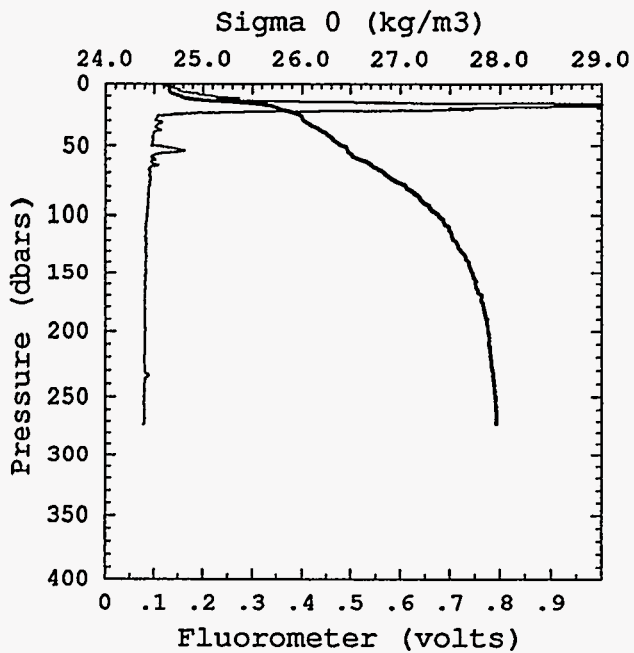
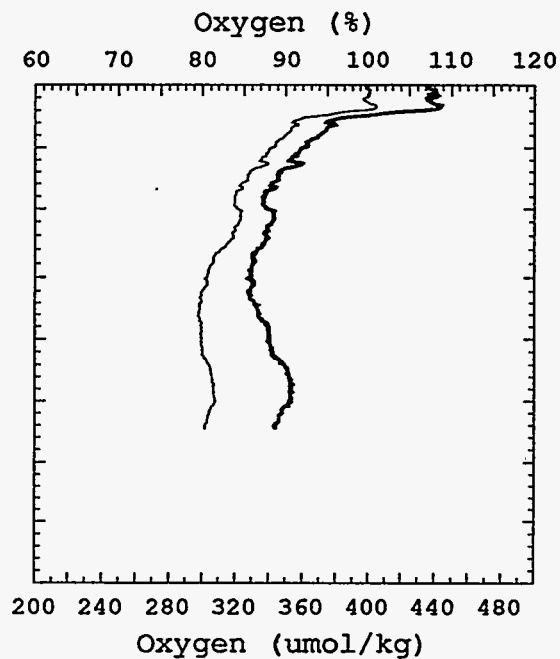
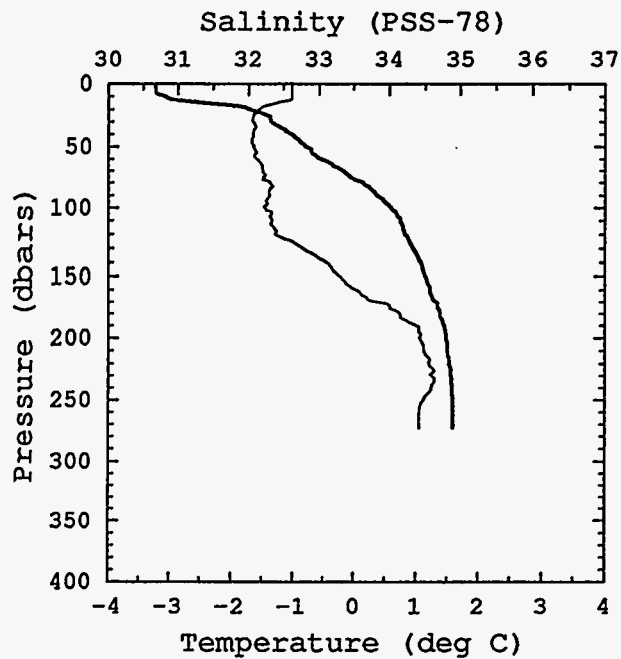
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 77 CTD 125
BOTTOM DEPTH= 266



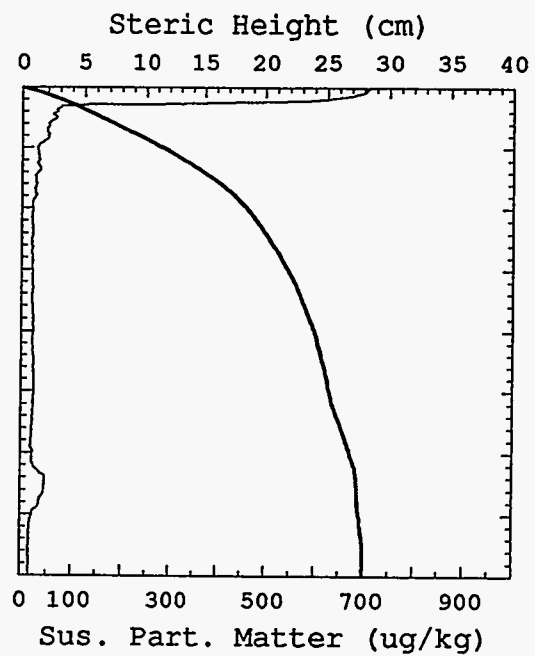
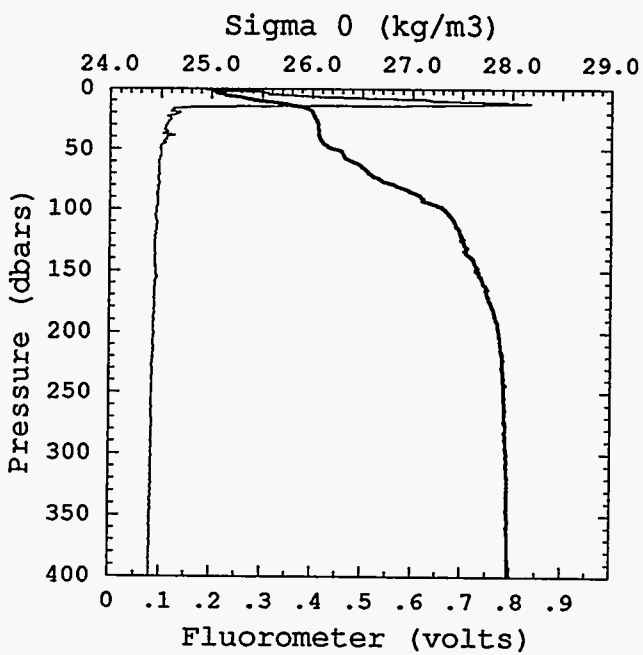
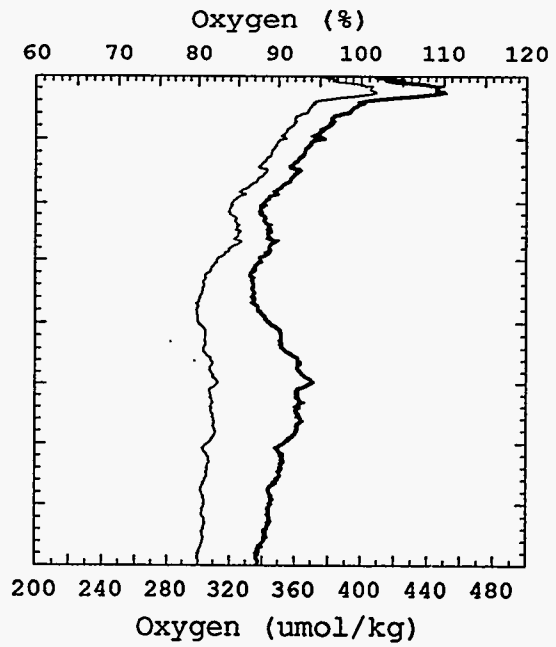
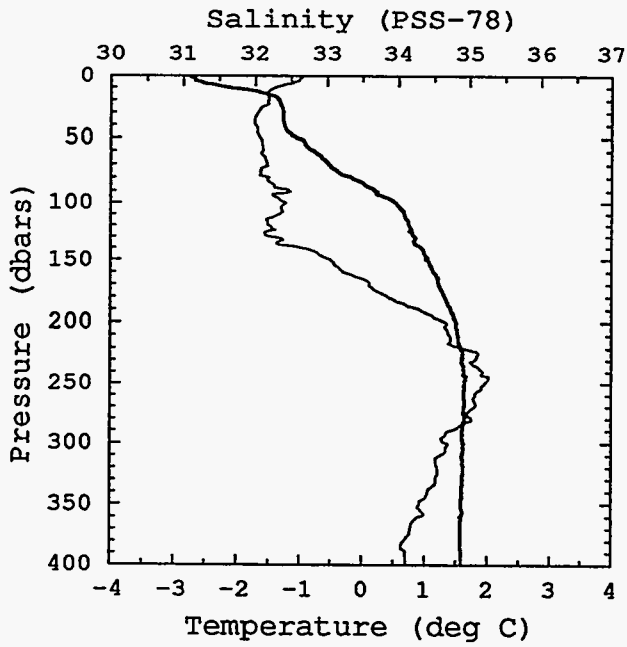
• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 78 CTD 126
BOTTOM DEPTH= 273



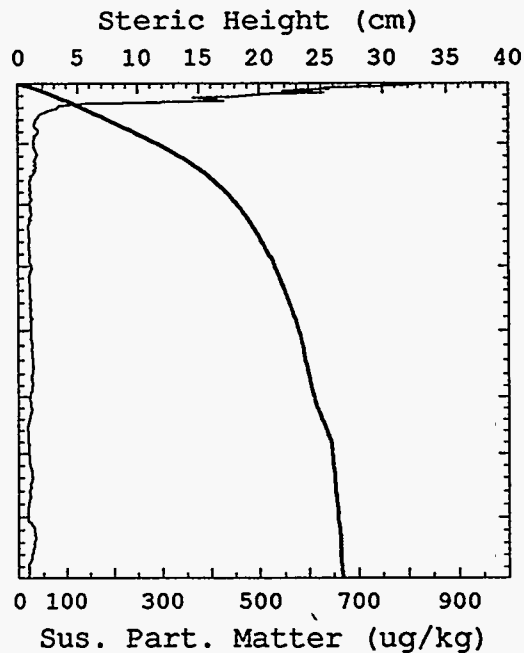
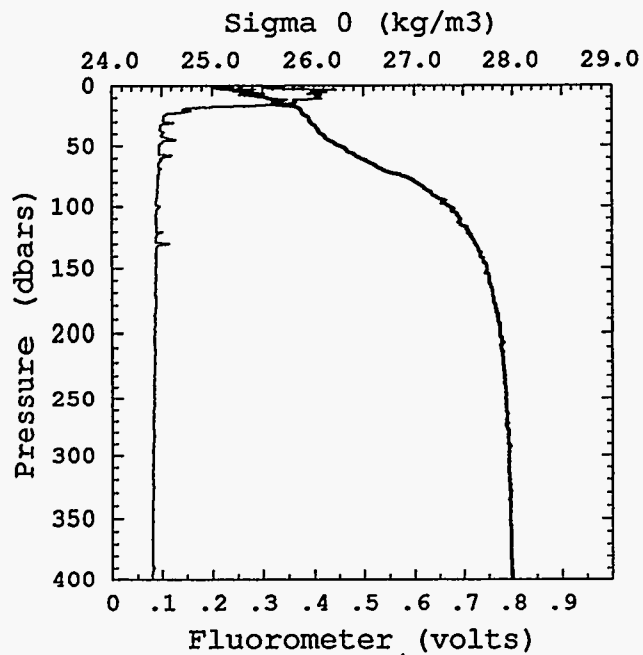
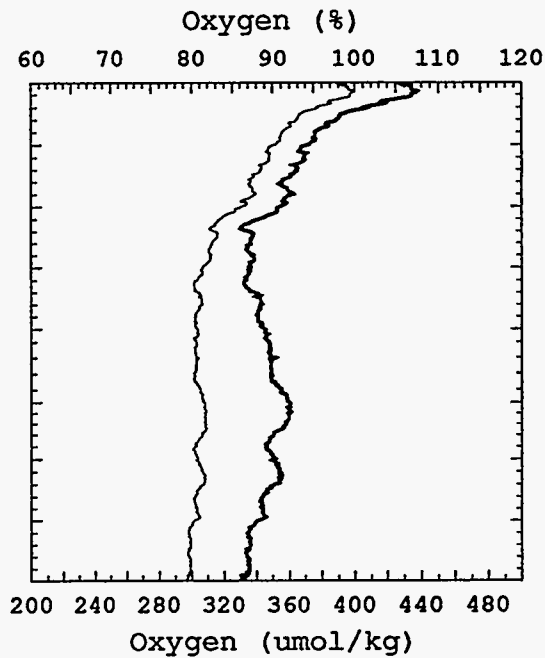
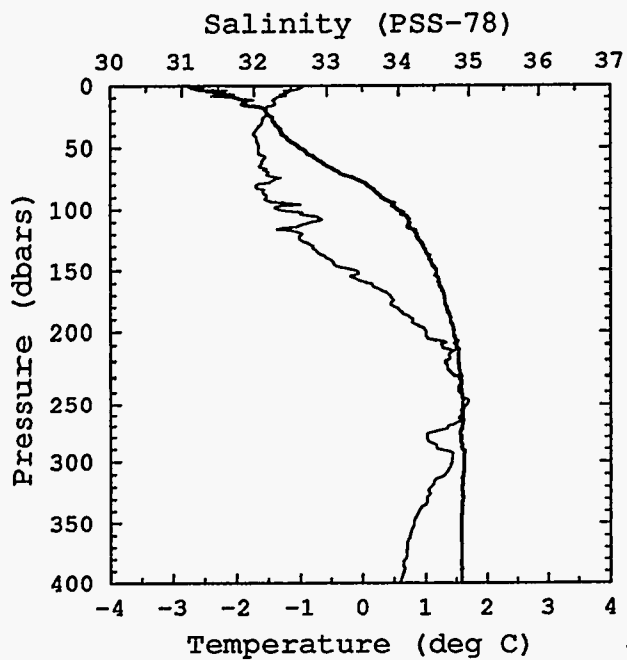
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 79 CTD 127
BOTTOM DEPTH= 697



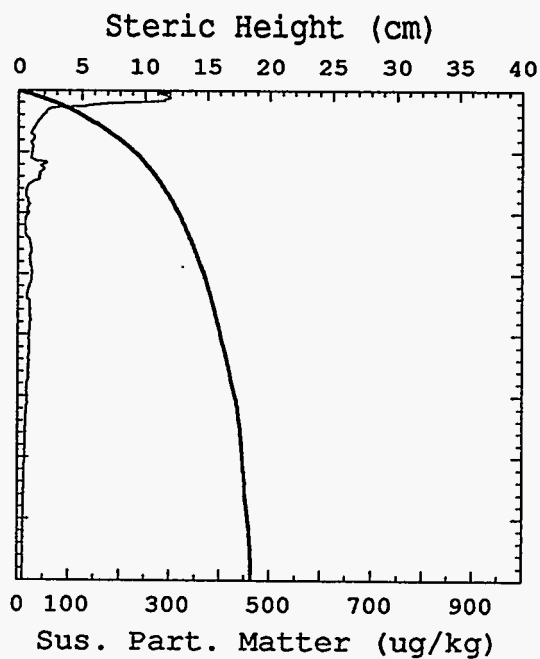
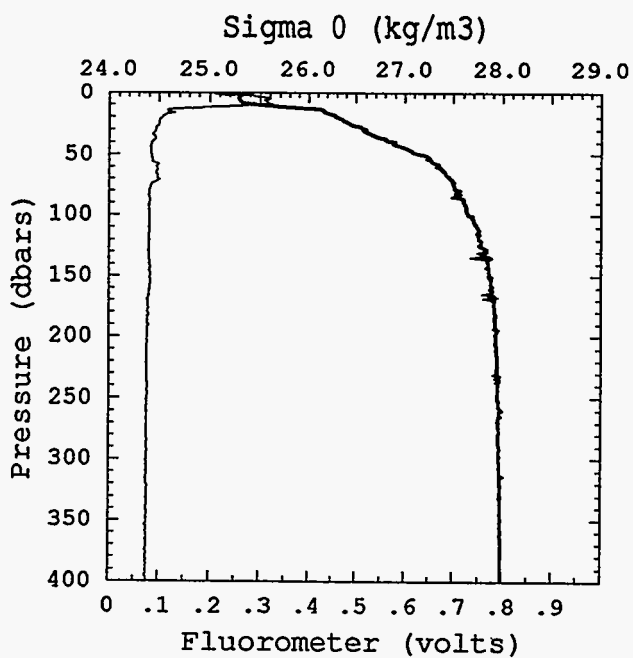
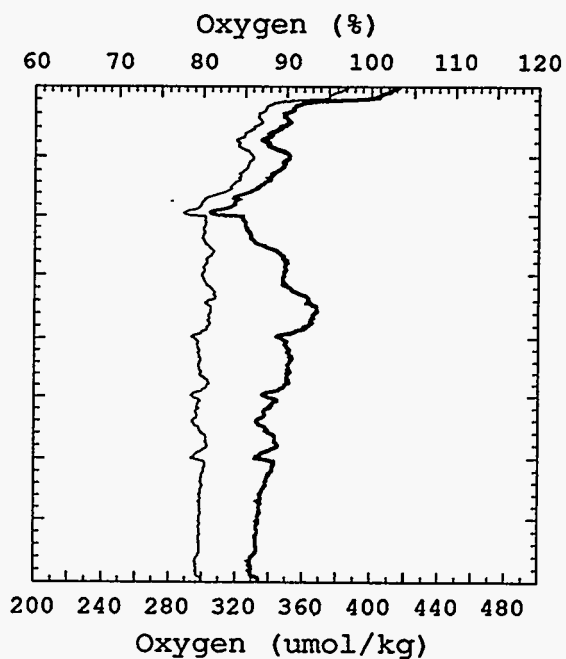
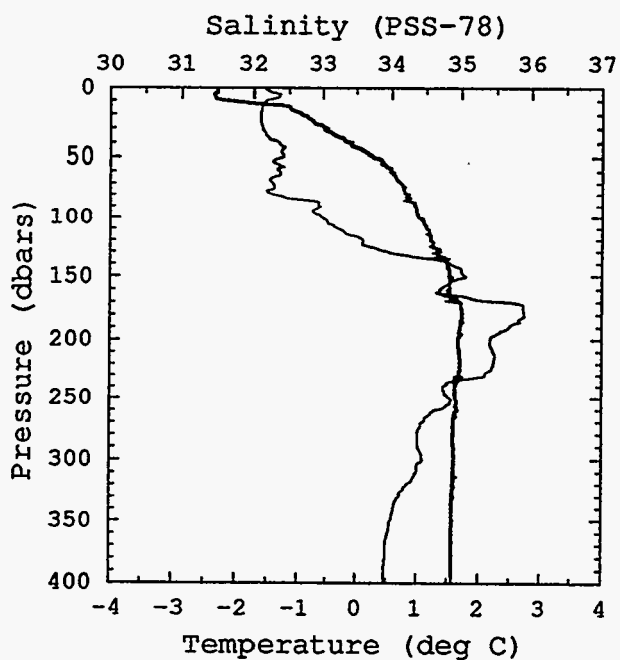
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 80 CTD 128
BOTTOM DEPTH=1007



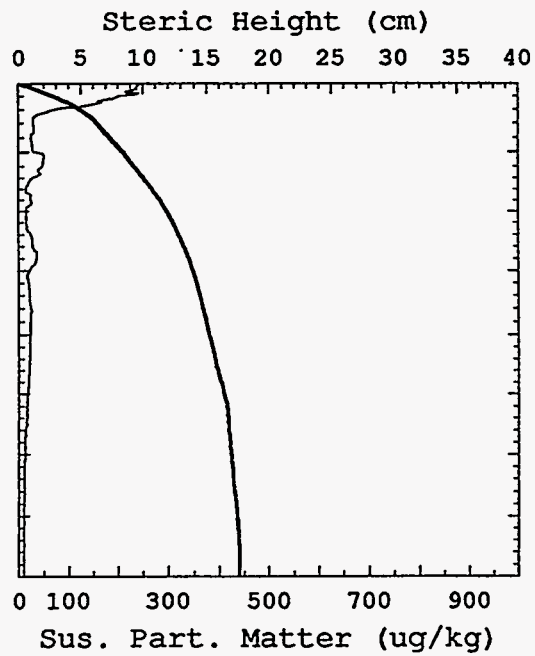
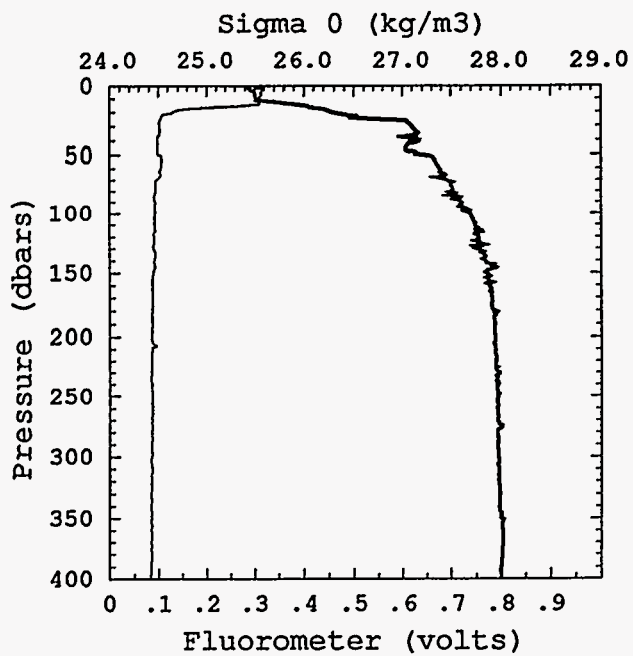
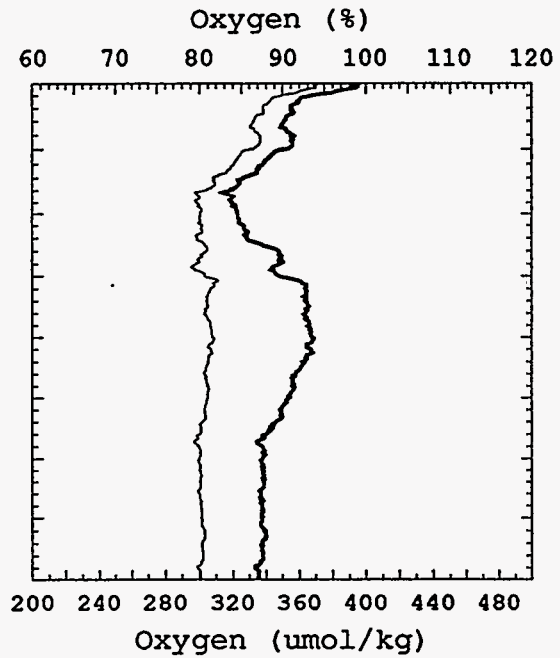
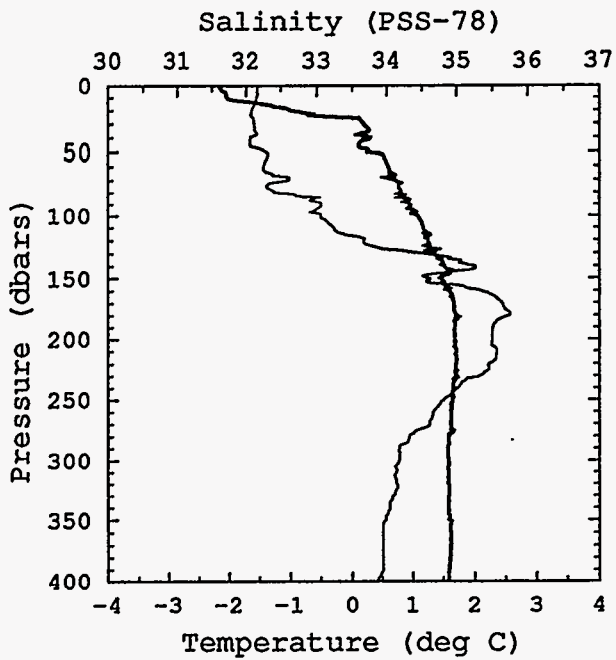
* CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 81 CTD 129
BOTTOM DEPTH=1480



• CURVE IN BOLD DENOTES TOP AXIS

NEWP-92
STA 81 CTD 130
BOTTOM DEPTH=1397



* CURVE IN BOLD DENOTES TOP AXIS

Station CTD No. Date Time UTC Latitude North Longitude West Depth Meters Secchi Meters Ice Cover %

1 1 18 JUL 92 0842 76 31.58 -6 54.42 1343 37

Pres BNL_ID CTD_Temp CTD_Sal Theta C Stg-Th Bot_Sal P78 Bot_DO2 NO3 NO2 NH4 PO4 SI04
 dbar CTD_Sal P78 CTD_Temp CTD_Sal Theta C Stg-Th Bot_Sal P78 Bot_DO2 NO3 NO2 NH4 PO4 SI04

5 -485 31.801 -1.485 -1.569 32.620 -1.569 26.241 25.544
 12 -485 31.801 -1.485 -1.569 32.620 -1.569 26.241 25.544
 11 -1.569 32.620 -1.569 26.241 25.544
 10 -1.548 33.041 -1.548 26.582 33.176 330.7 7.71 .02 .14 1.00 16.02
 9 -1.437 33.827 -1.438 27.217 324.2 8.77 .07 .20 .74 8.83
 8 .943 34.627 .938 27.750 307.4 10.92 .06 .14 .76 6.31
 7 2.504 34.930 2.495 27.875 318.2 11.59 .03 .12 .78 5.35
 6 2.366 34.953 2.354 27.905 314.5 11.66 .03 .04 .78 5.34
 5 2.208 34.971 2.191 27.933 314.6 11.83 .04 .08 .79 5.44
 4 2.233 34.988 2.204 27.946 314.6 11.83 .04 .08 .79 5.44
 3 .276 34.897 .240 28.010 298.7 12.60 .05 .02 .81 7.75
 2 -.347 34.921 -.400 28.063 34.921 12.60 .05 .02 .81 7.75
 1 -440 34.933 -.499 28.077 34.977 314.0 11.81 .05 .05 .80 5.57

Pres BNL_ID CHL ug/kg POC umol/kg PON umol/kg TC02 umol/kg Alkalinity umol/kg Bacteria cells/ml Tritium TU Helium nmol/kg Del_He3 %

5 14 11 10 9 8 7 6 5 4 3 2 1
 1342 1209 802 496 300 198 151 100 49 29 14 5
 .29 .03 .05 .05 .01 .01 .01 .00 .01 .19 .29 .19 .29

	1	CTD	1	STW	1	SPM	Fluor	Ox% [SPM]	Oxygen	Theta	Phi.Pt	Salinity	Temp	Pres
0.00	25.222	29.980	25.222	25.222	29.980	0.359	107.64	0.48	392.1	-1.72	-2.93	31.401	-0.536	0
0.00	25.251	30.010	25.251	25.251	30.010	0.427	108.62	0.488	395.9	-1.72	-2.90	31.452	-0.567	2
2.0	25.251	30.052	25.251	25.251	30.052	0.499	109.20	0.834	396.7	-1.73	-2.93	31.486	-0.589	4
4.0	25.293	30.052	25.293	25.293	30.052	0.499	109.20	0.834	399.5	-1.74	-2.93	31.635	-0.765	6
6.0	25.420	30.183	25.420	25.420	30.183	0.499	111.30	0.471	399.5	-1.74	-2.93	31.827	-1.048	8
8.0	25.584	30.352	25.584	25.584	30.352	0.471	111.30	0.471	411.6	-1.76	-2.93	32.034	-1.267	10
10.0	25.758	30.532	25.758	25.758	30.532	0.511	110.27	0.511	409.4	-1.77	-2.93	32.263	-1.475	12
12.0	25.948	30.727	25.948	25.948	30.727	0.511	108.19	0.236	402.2	-1.78	-2.93	32.389	-1.583	14
14.0	25.948	30.834	25.948	25.948	30.834	0.236	104.99	0.190	390.4	-1.79	-2.93	32.486	-1.596	16
16.0	25.948	30.914	25.948	25.948	30.914	0.190	103.86	0.136	385.5	-1.80	-2.93	32.592	-1.588	18
18.0	26.219	30.999	26.219	26.219	30.999	0.166	102.82	0.166	381.7	-1.80	-2.93	32.592	-1.588	20
20.0	26.270	31.049	26.270	26.270	31.049	0.166	102.82	0.166	381.7	-1.81	-2.93	32.719	-1.579	22
22.0	26.321	31.099	26.321	26.321	31.099	0.115	101.86	0.115	377.9	-1.81	-2.93	32.791	-1.558	24
24.0	26.379	31.156	26.379	26.379	31.156	0.099	101.07	0.099	374.6	-1.81	-2.93	32.791	-1.558	26
26.0	26.444	31.228	26.444	26.444	31.228	0.096	100.02	0.096	370.0	-1.82	-2.93	32.872	-1.519	28
28.0	26.504	31.278	26.504	26.504	31.278	0.105	99.10	0.105	366.5	-1.83	-2.93	32.946	-1.522	30
30.0	26.649	31.423	26.649	26.649	31.423	0.090	98.34	0.090	363.5	-1.84	-2.93	33.123	-1.553	32
32.0	26.748	31.521	26.748	26.748	31.521	0.091	97.20	0.091	359.1	-1.85	-2.93	33.244	-1.575	34
34.0	26.748	31.604	26.748	26.748	31.604	0.083	96.31	0.083	355.3	-1.85	-2.93	33.349	-1.555	36
36.0	26.908	31.679	26.908	26.908	31.679	0.080	96.19	0.080	354.3	-1.86	-2.93	33.443	-1.541	38
38.0	26.968	31.738	26.968	26.968	31.738	0.080	96.19	0.080	354.3	-1.87	-2.93	33.516	-1.544	40
40.0	27.018	31.787	27.018	27.018	31.787	0.078	94.46	0.078	347.5	-1.87	-2.93	33.579	-1.507	42
42.0	27.184	31.949	27.184	27.184	31.949	0.071	93.58	0.071	343.1	-1.89	-2.93	33.785	-1.453	44
44.0	27.295	32.058	27.295	27.295	32.058	0.068	93.21	0.068	341.2	-1.90	-2.93	33.923	-1.424	46
46.0	27.365	32.130	27.365	27.365	32.130	0.063	91.49	0.063	335.2	-1.91	-2.93	34.007	-1.484	48
48.0	27.425	32.205	27.425	27.425	32.205	0.065	90.85	0.065	332.3	-1.92	-2.93	34.103	-1.463	50
50.0	27.489	32.257	27.489	27.489	32.257	0.062	89.90	0.062	330.3	-1.92	-2.93	34.155	-1.463	52
52.0	27.525	32.287	27.525	27.525	32.287	0.059	89.90	0.059	328.6	-1.92	-2.93	34.206	-1.458	54
54.0	27.554	32.309	27.554	27.554	32.309	0.059	89.90	0.059	326.9	-1.92	-2.93	34.257	-1.453	56
56.0	27.586	32.334	27.586	27.586	32.334	0.060	88.70	0.060	320.3	-1.94	-2.93	34.298	-1.433	58
58.0	27.634	32.370	27.634	27.634	32.370	0.059	87.25	0.059	311.4	-1.95	-2.93	34.379	-1.423	60
60.0	27.725	32.429	27.725	27.725	32.429	0.058	87.58	0.058	303.8	-1.96	-2.93	34.555	-1.392	62
62.0	27.852	32.493	27.852	27.852	32.493	0.058	90.53	0.058	296.6	-1.99	-2.93	34.900	-1.967	64
64.0	27.852	32.493	27.852	27.852	32.493	0.057	91.25	0.057	298.1	-2.00	-2.93	34.916	-2.623	66
66.0	27.852	32.493	27.852	27.852	32.493	0.057	93.26	0.057	304.2	-2.01	-2.93	34.925	-2.677	68
68.0	27.858	32.495	27.858	27.858	32.495	0.057	92.82	0.055	306.0	-2.01	-2.93	34.981	-2.447	70
70.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	72
72.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	74
74.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	76
76.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	78
78.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	80
80.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	82
82.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	84
84.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	86
86.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	88
88.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	90
90.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	92
92.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	94
94.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	96
96.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	98
98.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	100
100.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	102
102.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	104
104.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	106
106.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	108
108.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	110
110.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	112
112.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	114
114.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	116
116.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	118
118.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	120
120.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	122
122.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	124
124.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	126
126.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	128
128.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	130
130.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	132
132.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	134
134.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	136
136.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	138
138.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	140
140.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	142
142.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	144
144.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	146
146.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	148
148.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	150
150.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	152
152.0	27.858	32.495	27.858	27.858	32.495	0.055	92.39	0.055	305.1	-2.01	-2.93	34.991	-2.247	154
154.0	27.858	32.495	27.858	27.858	32.4									

	NEWP 92							STA 1		CTD 2						
	Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.716	31.306	-1.71	-0.716	344.2	93.97	0.242	-9.00	25.152	29.916	25.152	0.05	25.151	0.00	0.0	
2	-0.689	31.339	-1.72	-0.689	349.0	95.36	0.312	-9.00	25.177	29.941	25.177	0.22	25.160	0.59	2.0	
4	-0.603	31.401	-1.72	-0.603	360.5	98.79	0.285	-9.00	25.225	29.985	25.225	-0.07	25.181	1.17	4.0	
6	-0.540	31.496	-1.73	-0.540	368.4	101.20	0.587	-9.00	25.299	30.057	25.299	0.23	25.209	1.74	6.0	
8	-0.641	31.617	-1.74	-0.642	372.4	102.11	0.569	-9.00	25.401	30.160	25.401	0.30	25.243	2.29	7.9	
10	-0.734	31.703	-1.74	-0.735	375.4	102.75	0.574	-9.00	25.473	30.234	25.473	1.38	25.281	2.82	9.9	
12	-1.286	32.089	-1.76	-1.286	383.3	103.64	0.485	-9.00	25.802	30.577	25.802	0.87	25.347	3.31	11.9	
14	-1.440	32.294	-1.78	-1.441	384.0	103.56	0.223	-9.00	25.972	30.750	25.972	0.90	25.425	3.76	13.9	
16	-1.529	32.414	-1.79	-1.529	382.0	102.86	0.144	-9.00	26.072	30.852	26.072	0.56	25.501	4.17	15.9	
18	-1.545	32.482	-1.79	-1.545	375.4	101.10	0.146	-9.00	26.128	30.907	26.128	0.20	25.569	4.58	17.9	
20	-1.593	32.543	-1.80	-1.594	370.0	99.56	0.148	-9.00	26.179	30.959	26.179	0.24	25.627	4.97	19.8	
22	-1.554	32.622	-1.80	-1.554	365.9	98.62	0.159	-9.00	26.242	31.021	26.242	0.29	25.680	5.36	21.8	
24	-1.611	32.721	-1.81	-1.611	363.4	97.87	0.140	-9.00	26.324	31.103	26.324	0.63	25.730	5.73	23.8	
26	-1.602	32.787	-1.82	-1.602	361.8	97.52	0.121	-9.00	26.377	31.156	26.377	0.26	25.778	6.08	25.8	
28	-1.539	32.896	-1.82	-1.539	358.5	96.86	0.094	-9.00	26.464	31.240	26.464	0.44	25.824	6.43	27.8	
30	-1.521	32.980	-1.83	-1.521	352.6	95.38	0.082	-9.00	26.532	31.306	26.532	0.67	25.868	6.76	29.7	
32	-1.595	33.200	-1.84	-1.595	348.1	94.14	0.088	-9.00	26.712	31.487	26.712	0.90	25.916	7.06	31.7	
34	-1.480	33.310	-1.85	-1.481	343.3	93.21	0.075	-9.00	26.799	31.569	26.799	0.41	25.966	7.34	33.7	
36	-1.474	33.437	-1.86	-1.475	338.5	92.01	0.075	-9.00	26.902	31.671	26.902	0.61	26.015	7.59	35.7	
38	-1.519	33.569	-1.87	-1.520	335.0	91.04	0.076	-9.00	27.010	31.779	27.010	0.77	26.064	7.83	37.7	
40	-1.422	33.679	-1.88	-1.423	332.4	90.64	0.072	-9.00	27.097	31.862	27.097	0.24	26.114	8.05	39.7	
45	-1.431	33.802	-1.89	-1.432	331.3	90.40	0.072	-9.00	27.197	31.961	27.197	0.14	26.229	8.56	44.6	
50	-1.513	33.929	-1.90	-1.514	332.8	90.71	0.064	-9.00	27.302	32.068	27.302	0.20	26.331	9.02	49.6	
55	-1.502	34.015	-1.91	-1.504	331.6	90.47	0.062	-9.00	27.372	32.137	27.372	0.15	26.422	9.43	54.5	
60	-1.492	34.052	-1.91	-1.493	330.5	90.21	0.060	-9.00	27.402	32.166	27.402	0.14	26.502	9.83	59.5	
65	-1.479	34.123	-1.92	-1.480	328.7	89.82	0.059	-9.00	27.459	32.222	27.459	0.15	26.573	10.20	64.4	
70	-1.346	34.193	-1.93	-1.348	325.3	89.25	0.059	-9.00	27.512	32.270	27.512	0.13	26.639	10.54	69.3	
75	-1.225	34.238	-1.93	-1.227	321.4	88.51	0.058	-9.00	27.544	32.299	27.544	0.09	26.698	10.86	74.3	
80	-1.049	34.296	-1.94	-1.051	319.2	88.36	0.056	-9.00	27.585	32.334	27.585	0.07	26.752	11.17	79.2	
85	-0.695	34.376	-1.95	-0.698	315.0	88.08	0.056	-9.00	27.635	32.373	27.635	0.09	26.803	11.45	84.2	
90	-0.275	34.466	-1.96	-0.278	308.8	87.39	0.055	-9.00	27.689	32.414	27.689	0.26	26.850	11.71	89.1	
95	0.117	34.526	-1.97	0.114	305.2	87.31	0.055	-9.00	27.717	32.430	27.717	0.14	26.895	11.95	94.1	
100	1.079	34.677	-1.98	1.074	299.9	88.09	0.058	-9.00	27.781	32.465	27.781	0.21	26.938	12.16	99.0	
105	1.762	34.787	-1.99	1.756	299.8	89.69	0.055	-9.00	27.820	32.485	27.820	0.06	26.979	12.35	104.0	
110	2.265	34.871	-2.00	2.259	298.9	90.63	0.054	-9.00	27.847	32.499	27.848	0.07	27.018	12.53	108.9	
115	2.506	34.907	-2.00	2.499	301.1	91.87	0.054	-9.00	27.855	32.500	27.855	0.05	27.054	12.69	113.9	
120	2.653	34.931	-2.01	2.646	301.9	92.50	0.053	-9.00	27.862	32.503	27.862	0.03	27.088	12.86	118.8	
125	2.660	34.931	-2.01	2.652	304.4	93.26	0.054	-9.00	27.861	32.502	27.862	0.06	27.119	13.02	123.8	
150	2.547	34.938	-2.03	2.539	310.4	94.84	0.054	-9.00	27.876	32.520	27.877	0.05	27.243	13.82	148.5	
175	2.345	34.941	-2.05	2.335	315.2	95.83	0.053	-9.00	27.896	32.545	27.897	0.04	27.335	14.57	173.2	
200	2.372	34.960	-2.07	2.360	314.0	95.52	0.052	-9.00	27.909	32.557	27.910	0.05	27.406	15.28	197.9	
225	2.323	34.973	-2.09	2.311	311.8	94.75	0.050	-9.00	27.923	32.572	27.924	0.04	27.463	15.97	222.7	
250	2.253	34.975	-2.11	2.239	311.7	94.54	0.054	-9.00	27.931	32.582	27.932	0.06	27.509	16.62	247.4	
275	2.236	34.979	-2.13	2.220	310.0	94.01	0.053	-9.00	27.935	32.587	27.937	0.05	27.548	17.26	272.1	
300	2.205	34.979	-2.15	2.188	311.3	94.33	0.053	-9.00	27.939	32.591	27.940	0.06	27.580	17.90	296.8	
325	2.207	34.981	-2.17	2.188	309.4	93.75	0.050	-9.00	27.940	32.592	27.941	0.04	27.608	18.52	321.5	
350	2.217	34.983	-2.18	2.197	310.1	93.99	0.051	-9.00	27.941	32.592	27.942	0.05	27.632	19.15	346.2	
375	2.231	34.987	-2.20	2.209	308.6	93.56	0.052	-9.00	27.942	32.594	27.944	0.05	27.652	19.77	370.9	
400	2.233	34.988	-2.22	2.210	308.3	93.48	0.050	-9.00	27.943	32.595	27.945	0.04	27.670	20.38	395.6	
500	2.228	34.999	-2.30	2.198	305.9	92.74	0.051	-9.00	27.953	32.604	27.955	0.05	27.726	22.81	494.3	
600	1.760	34.978	-2.37	1.726	307.1	92.00	0.051	-9.00	27.973	32.637	27.976	0.02	27.765	25.08	593.1	
700	0.598	34.905	-2.44	0.565	298.5	86.73	0.049	-9.00	27.995	32.691	27.997	0.04	27.796	27.16	691.7	
800	0.325	34.904	-2.52	0.289	298.5	86.12	0.048	-9.00	28.010	32.714	28.012	0.04	27.822	29.05	790.3	
900	0.115	34.906	-2.60	0.074	300.4	86.18	0.047	-9.00	28.024	32.734	28.026	0.06	27.844	30.79	888.9	
1000	-0.073	34.919	-2.67	-0.117	300.8	85.88	0.047	-9.00	28.045	32.759	28.047	0.04	27.863	32.36	987.4	
1100	-0.254	34.920	-2.75	-0.302	308.1	87.54	0.046	-9.00	28.055	32.775	28.057	0.05	27.880	33.79	1085.9	
1200	-0.359	34.926	-2.82	-0.411	304.3	86.22	0.046	-9.00	28.065	32.788	28.068	0.05	27.895	35.17	1184.3	
1300	-0.415	34.936	-2.90	-0.472	303.4	85.85	0.048	-9.00	28.076	32.801	28.079	0.05	27.908	36.41	1282.7	
1304	-0.421	34.938	-2.90	-0.478	303.0	85.71	0.044	-9.00	28.078	32.802	28.080	0.06	27.909	36.45	1286.7	

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
2	3	19 JUL 92	0028	77 9.28	-10 28.86	488	24	20

Pres dbar	BNL_ID	CTD Tem C	CTD Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	S104 umol/kg
2	34	.143	31.189	.143	25.024			3.66	.04	.12	.91	15.49
2	35	.143	31.189	.143	25.024			3.63	.04	.13	.91	15.51
9	33	.113	31.222	.113	25.052			4.16	.04	.12	.89	15.05
14	32	-.648	32.244	-.649	25.908			4.58	.04	.12	.87	14.61
28	31	-1.074	32.950	-1.074	26.494			4.20	.04	.13	.64	9.74
44	30	-1.648	33.715	-1.648	27.132			7.63	.06	.11	.70	8.25
69	29	-1.642	34.004	-1.643	27.367			8.96	.02	.02	.70	6.70
104	28	-1.590	34.156	-1.592	27.489			9.60	.02	.02	.68	5.52
125	27	-1.286	34.247	-1.289	27.553			10.34	.02	.02	.74	6.35
151	25	-.677	34.431	-.682	27.679			11.09	.02	.19	.78	7.04
151	26	-.677	34.431	-.682	27.679			11.13	.02	.02	.78	7.25

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	34	.49	.14	17.0	2.8			106000			
2	35										
9	33	.70	.23	13.0	1.6			103000			
14	32	.91	.25	10.6	1.4			125000			
28	31	.79	.69	14.1	1.6			131000			
44	30	.32	.13	7.9	.5			36400			
69	29	.05	.04	6.3	.3			21200			
104	28	.02	.03	7.2	.3			26100			
125	27	.02	.03	9.2	.4						
151	25										
151	26	.01	.02	1.2	.1						

	NEWP 92							STA	2	CTD	3					
Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth	
0	-0.072	31.062	-1.70	-0.072	359.5	99.67	0.099	150.46	24.931	29.678	24.931	0.04	24.931	0.00	0.0	
2	-0.029	31.060	-1.70	-0.029	358.1	99.40	0.101	148.33	24.927	29.674	24.927	-0.16	24.931	0.63	2.0	
4	0.096	31.064	-1.70	0.096	353.2	98.37	0.106	141.33	24.926	29.668	24.926	0.05	24.927	1.27	4.0	
6	0.094	31.077	-1.70	0.094	354.8	98.81	0.105	141.33	24.936	29.679	24.936	0.11	24.928	1.90	6.0	
8	0.089	31.109	-1.71	0.089	356.2	99.20	0.103	151.21	24.962	29.704	24.962	1.35	24.931	2.53	7.9	
10	-0.581	31.555	-1.73	-0.582	362.8	99.60	0.139	265.44	25.348	30.106	25.348	1.16	24.985	3.11	9.9	
12	-0.663	31.960	-1.76	-0.664	363.5	99.86	0.156	230.01	25.679	30.436	25.679	1.13	25.075	3.63	11.9	
14	-0.840	32.157	-1.77	-0.841	367.3	100.57	0.155	219.91	25.844	30.605	25.844	0.59	25.173	4.10	13.9	
16	-0.872	32.261	-1.78	-0.872	369.8	101.26	0.154	197.50	25.930	30.690	25.930	0.64	25.262	4.55	15.9	
18	-1.084	32.381	-1.79	-1.085	372.8	101.60	0.163	167.59	26.034	30.800	26.034	0.34	25.343	4.97	17.9	
20	-1.105	32.497	-1.79	-1.106	370.4	100.98	0.154	145.14	26.128	30.894	26.128	0.43	25.417	5.38	19.8	
22	-1.299	32.542	-1.80	-1.299	371.1	100.67	0.144	104.02	26.170	30.941	26.170	0.35	25.484	5.78	21.8	
24	-1.398	32.690	-1.81	-1.399	369.6	100.09	0.130	104.01	26.293	31.066	26.293	0.72	25.546	6.16	23.8	
26	-1.105	32.824	-1.82	-1.105	362.3	99.00	0.166	139.51	26.393	31.156	26.393	0.42	25.607	6.51	25.8	
28	-1.093	32.978	-1.83	-1.094	359.8	98.48	0.179	140.80	26.518	31.279	26.518	0.39	25.668	6.85	27.8	
30	-1.097	33.025	-1.83	-1.098	359.8	98.50	0.185	136.18	26.556	31.317	26.556	0.11	25.726	7.17	29.8	
32	-1.115	33.058	-1.84	-1.116	361.0	98.80	0.166	121.64	26.583	31.344	26.583	0.21	25.778	7.48	31.7	
34	-1.179	33.101	-1.84	-1.180	362.9	99.18	0.157	107.99	26.620	31.383	26.620	0.28	25.827	7.79	33.7	
36	-1.236	33.137	-1.84	-1.236	364.2	99.42	0.151	96.97	26.651	31.415	26.651	0.38	25.872	8.09	35.7	
38	-1.561	33.361	-1.86	-1.561	365.9	99.17	0.117	66.58	26.842	31.614	26.842	0.60	25.918	8.37	37.7	
40	-1.611	33.478	-1.87	-1.612	361.9	98.04	0.107	54.71	26.938	31.711	26.938	0.77	25.966	8.63	39.7	
45	-1.640	33.712	-1.88	-1.640	351.9	95.42	0.093	38.76	27.130	31.902	27.130	0.21	26.088	9.17	44.6	
50	-1.644	33.785	-1.89	-1.645	346.3	93.94	0.088	31.48	27.189	31.960	27.189	0.22	26.195	9.67	49.6	
55	-1.647	33.862	-1.90	-1.648	343.4	93.21	0.081	22.30	27.252	32.022	27.252	0.13	26.289	10.14	54.5	
60	-1.665	33.916	-1.90	-1.666	340.2	92.32	0.072	15.42	27.296	32.066	27.296	0.14	26.371	10.59	59.5	
65	-1.624	33.955	-1.91	-1.625	336.0	91.31	0.072	15.12	27.327	32.096	27.327	0.13	26.443	11.02	64.4	
70	-1.588	33.972	-1.92	-1.590	334.7	91.08	0.070	14.90	27.339	32.107	27.339	0.20	26.507	11.43	69.4	
75	-1.701	34.022	-1.92	-1.702	332.8	90.30	0.071	14.03	27.383	32.154	27.383	0.11	26.565	11.83	74.3	
80	-1.678	34.051	-1.93	-1.679	332.3	90.25	0.069	12.56	27.406	32.176	27.406	0.04	26.617	12.22	79.3	
85	-1.689	34.071	-1.93	-1.690	332.9	90.39	0.070	12.35	27.423	32.193	27.423	0.08	26.663	12.59	84.2	
90	-1.657	34.095	-1.94	-1.659	332.6	90.42	0.069	12.27	27.441	32.210	27.441	0.09	26.706	12.96	89.2	
95	-1.610	34.119	-1.94	-1.612	331.7	90.30	0.066	12.35	27.459	32.226	27.459	0.05	26.745	13.32	94.1	
100	-1.610	34.135	-1.95	-1.612	330.9	90.09	0.068	12.35	27.473	32.240	27.473	0.08	26.781	13.68	99.1	
105	-1.596	34.151	-1.95	-1.599	330.2	89.95	0.066	12.20	27.485	32.251	27.485	0.06	26.814	14.03	104.0	
110	-1.560	34.174	-1.96	-1.562	329.5	89.87	0.067	12.42	27.503	32.268	27.503	0.13	26.845	14.37	108.9	
115	-1.469	34.209	-1.96	-1.471	328.5	89.84	0.066	12.56	27.529	32.291	27.529	0.04	26.874	14.69	113.9	
120	-1.405	34.225	-1.97	-1.408	326.5	89.47	0.067	12.86	27.539	32.299	27.539	0.05	26.902	15.02	118.8	
125	-1.273	34.260	-1.97	-1.276	324.6	89.27	0.066	12.78	27.563	32.319	27.563	0.14	26.928	15.33	123.8	
150	-0.683	34.432	-2.00	-0.687	309.0	86.47	0.066	14.40	27.680	32.417	27.681	0.12	27.043	16.72	148.5	

NEWP 92 STA 2 CTD 4															
Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.153	22.862	-1.24	-0.153	378.9	98.46	0.113	177.24	18.321	23.142	18.321	0.49	18.313	0.00	0.0
2	-0.161	23.482	-1.28	-0.161	376.2	98.19	0.116	178.31	18.821	23.637	18.821	4.60	18.487	1.90	2.0
4	-0.166	25.354	-1.38	-0.166	358.6	94.94	0.125	177.70	20.330	25.129	20.330	5.69	19.055	3.58	4.0
6	-0.184	26.609	-1.45	-0.185	363.7	97.18	0.125	177.62	21.343	26.132	21.343	4.38	19.664	5.00	6.0
8	-0.173	27.700	-1.51	-0.173	365.6	98.52	0.126	175.16	22.222	27.002	22.222	4.36	20.199	6.24	8.0
10	-0.231	28.839	-1.58	-0.231	364.6	98.96	0.132	184.00	23.143	27.914	23.143	3.96	20.701	7.30	10.0
12	-0.248	29.759	-1.63	-0.249	363.3	99.26	0.133	186.39	23.886	28.650	23.886	3.57	21.173	8.20	12.0
14	-0.268	30.493	-1.68	-0.268	362.1	99.44	0.132	187.85	24.479	29.237	24.479	2.06	21.607	8.97	13.9
16	-0.239	30.911	-1.70	-0.240	359.4	99.08	0.136	205.68	24.816	29.569	24.816	1.60	21.988	9.65	15.9
18	-0.524	31.739	-1.75	-0.524	361.2	99.44	0.137	165.55	25.495	30.250	25.495	2.73	22.333	10.25	17.9
20	-0.841	32.199	-1.78	-0.842	363.9	99.68	0.130	135.79	25.878	30.639	25.878	1.42	22.669	10.73	19.9
22	-1.137	32.395	-1.79	-1.137	367.5	100.00	0.133	142.86	26.046	30.814	26.046	0.84	22.968	11.15	21.9
24	-1.285	32.554	-1.80	-1.285	368.8	100.08	0.174	203.53	26.179	30.950	26.179	0.82	23.230	11.56	23.9
26	-1.237	32.678	-1.81	-1.238	368.1	100.12	0.149	140.80	26.279	31.047	26.279	0.53	23.460	11.93	25.8
28	-1.025	32.827	-1.82	-1.025	364.9	99.95	0.153	139.96	26.393	31.154	26.393	0.51	23.666	12.29	27.8
30	-1.065	32.925	-1.83	-1.066	364.2	99.71	0.178	137.26	26.473	31.234	26.473	0.34	23.850	12.63	29.8
32	-1.136	33.026	-1.83	-1.137	362.6	99.16	0.177	154.33	26.558	31.320	26.558	0.36	24.016	12.95	31.8
34	-1.152	33.127	-1.84	-1.153	360.4	98.58	0.168	124.75	26.640	31.402	26.640	0.73	24.167	13.26	33.8
36	-1.288	33.259	-1.85	-1.288	360.3	98.32	0.131	98.00	26.751	31.516	26.751	0.64	24.308	13.55	35.7
38	-1.333	33.371	-1.86	-1.334	359.6	98.08	0.168	110.02	26.844	31.609	26.844	0.27	24.439	13.82	37.7
40	-1.370	33.417	-1.86	-1.371	358.3	97.67	0.166	97.86	26.882	31.648	26.882	0.36	24.560	14.08	39.7
45	-1.595	33.664	-1.88	-1.596	355.7	96.54	0.097	42.60	27.090	31.860	27.090	0.25	24.828	14.66	44.7
50	-1.655	33.752	-1.89	-1.656	350.0	94.89	0.083	30.45	27.163	31.934	27.163	0.30	25.057	15.18	49.6
55	-1.663	33.855	-1.90	-1.664	344.4	93.44	0.079	24.79	27.247	32.018	27.247	0.15	25.253	15.65	54.6
60	-1.678	33.908	-1.90	-1.680	340.3	92.31	0.077	22.81	27.290	32.061	27.290	0.10	25.421	16.10	59.5
65	-1.674	33.955	-1.91	-1.675	337.0	91.46	0.074	19.15	27.328	32.099	27.328	0.09	25.566	16.53	64.5
70	-1.639	33.996	-1.92	-1.641	337.1	91.62	0.072	18.93	27.360	32.129	27.360	0.07	25.692	16.94	69.4
75	-1.670	34.021	-1.92	-1.672	337.0	91.53	0.070	16.29	27.382	32.152	27.382	0.09	25.804	17.34	74.4
80	-1.662	34.049	-1.93	-1.664	337.0	91.57	0.070	15.34	27.404	32.173	27.404	0.09	25.903	17.73	79.3
85	-1.671	34.064	-1.93	-1.672	336.9	91.53	0.067	14.17	27.416	32.186	27.416	0.08	25.992	18.11	84.3
90	-1.648	34.099	-1.94	-1.650	335.9	91.33	0.067	13.30	27.445	32.213	27.445	0.07	26.072	18.48	89.2
95	-1.624	34.125	-1.94	-1.626	334.7	91.09	0.066	12.56	27.465	32.232	27.465	0.06	26.144	18.84	94.2
100	-1.599	34.146	-1.95	-1.602	333.6	90.86	0.064	12.56	27.481	32.248	27.481	0.13	26.211	19.19	99.1
105	-1.561	34.161	-1.95	-1.563	331.7	90.44	0.065	12.93	27.492	32.257	27.492	0.05	26.271	19.53	104.1
110	-1.535	34.174	-1.96	-1.537	330.4	90.17	0.065	13.15	27.502	32.266	27.502	0.07	26.327	19.87	109.0
115	-1.480	34.206	-1.96	-1.483	329.0	89.94	0.063	12.78	27.527	32.289	27.527	0.12	26.378	20.20	113.9
120	-1.401	34.228	-1.97	-1.403	327.6	89.78	0.064	14.32	27.541	32.301	27.542	0.12	26.426	20.52	118.9
125	-1.280	34.264	-1.97	-1.283	325.3	89.46	0.065	13.81	27.567	32.323	27.567	0.14	26.471	20.83	123.8
150	-0.631	34.449	-2.00	-0.635	314.7	88.20	0.064	15.27	27.691	32.426	27.691	0.05	26.665	22.20	148.6
175	-0.023	34.611	-2.03	-0.029	306.9	87.52	0.064	15.27	27.794	32.510	27.794	0.09	26.820	23.28	173.3
200	0.643	34.740	-2.06	0.635	300.0	87.16	0.063	15.71	27.859	32.555	27.860	0.08	26.945	24.18	198.0
225	1.016	34.826	-2.08	1.006	298.3	87.56	0.062	18.05	27.904	32.590	27.905	0.11	27.049	24.94	222.7
250	1.319	34.886	-2.10	1.307	298.9	88.49	0.063	15.12	27.932	32.608	27.933	0.05	27.136	25.61	247.5
275	1.331	34.911	-2.12	1.317	301.0	89.16	0.061	14.61	27.951	32.627	27.952	0.06	27.209	26.22	272.2
300	1.069	34.907	-2.14	1.055	301.5	88.68	0.061	25.38	27.966	32.649	27.967	0.05	27.272	26.80	296.9
325	0.999	34.911	-2.16	0.984	299.9	88.06	0.062	22.30	27.974	32.659	27.975	0.06	27.326	27.35	321.6
350	0.916	34.914	-2.18	0.899	298.5	87.45	0.062	20.39	27.982	32.669	27.983	0.05	27.372	27.89	346.3
375	0.853	34.914	-2.20	0.835	297.7	87.09	0.060	19.96	27.986	32.675	27.988	0.05	27.413	28.40	371.0
400	0.823	34.915	-2.22	0.805	294.9	86.20	0.061	58.12	27.989	32.679	27.990	0.04	27.449	28.91	395.7
476	0.786	34.915	-2.28	0.764	283.9	82.89	0.059	84.33	27.991	32.682	27.993	0.05	27.535	30.44	470.7

NEWP 92 STA 2 CTD 5

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.237	31.115	-1.70	0.237	362.4	101.35	0.112	155.80	24.961	29.699	24.961	0.12	24.960	0.00	0.0
2	0.151	31.225	-1.71	0.151	352.7	98.48	0.114	163.06	25.053	29.792	25.053	0.81	24.992	0.62	2.0
4	0.031	31.283	-1.71	0.030	325.2	90.56	0.116	160.69	25.105	29.847	25.105	0.16	25.038	1.22	4.0
6	-0.105	31.457	-1.73	-0.105	331.1	91.98	0.119	172.43	25.251	29.996	25.251	3.32	25.064	1.82	6.0
8	-0.392	31.997	-1.76	-0.393	337.3	93.37	0.133	201.54	25.698	30.447	25.699	1.22	25.185	2.33	7.9
10	-0.707	32.191	-1.77	-0.707	344.5	94.70	0.133	163.00	25.867	30.623	25.867	0.72	25.306	2.80	9.9
12	-0.886	32.277	-1.78	-0.886	348.7	95.45	0.139	190.47	25.943	30.704	25.943	0.36	25.407	3.24	11.9
14	-0.989	32.386	-1.78	-0.990	351.7	96.09	0.144	173.02	26.034	30.798	26.034	0.34	25.491	3.67	13.9
16	-0.991	32.459	-1.79	-0.991	354.3	96.86	0.135	158.40	26.094	30.857	26.094	0.44	25.562	4.08	15.9
18	-1.057	32.528	-1.79	-1.058	357.1	97.48	0.133	148.64	26.152	30.916	26.152	0.23	25.625	4.48	17.9
20	-0.934	32.666	-1.80	-0.934	357.1	97.91	0.136	142.40	26.260	31.019	26.260	0.11	25.684	4.86	19.8
22	-0.967	32.720	-1.81	-0.968	359.3	98.48	0.136	155.27	26.305	31.065	26.305	0.40	25.737	5.24	21.8
24	-1.002	32.808	-1.82	-1.002	361.5	99.05	0.146	173.09	26.377	31.137	26.377	0.25	25.788	5.59	23.8
26	-1.027	32.858	-1.82	-1.028	363.6	99.61	0.168	183.54	26.419	31.179	26.419	0.27	25.835	5.94	25.8
28	-1.057	32.955	-1.83	-1.058	363.8	99.66	0.177	163.52	26.498	31.258	26.498	0.26	25.879	6.28	27.8
30	-1.122	33.008	-1.83	-1.122	364.6	99.73	0.169	137.16	26.543	31.305	26.543	0.42	25.922	6.60	29.7
32	-1.151	33.072	-1.84	-1.152	365.7	100.00	0.152	115.52	26.596	31.358	26.596	0.26	25.963	6.91	31.7
34	-1.121	33.141	-1.84	-1.122	364.8	99.89	0.148	119.75	26.651	31.411	26.651	0.26	26.002	7.22	33.7
36	-1.246	33.231	-1.85	-1.247	367.8	100.43	0.140	106.34	26.727	31.491	26.728	0.71	26.040	7.51	35.7
38	-1.283	33.312	-1.85	-1.284	368.1	100.50	0.146	111.98	26.795	31.559	26.795	0.22	26.078	7.79	37.7
40	-1.343	33.387	-1.86	-1.344	367.9	100.33	0.162	100.86	26.857	31.622	26.857	0.49	26.115	8.05	39.7
45	-1.619	33.679	-1.88	-1.619	370.1	100.39	0.113	36.92	27.102	31.873	27.102	0.43	26.210	8.64	44.6
50	-1.605	33.797	-1.89	-1.606	363.6	98.76	0.084	27.07	27.197	31.967	27.197	0.04	26.305	9.14	49.6
55	-1.661	33.862	-1.90	-1.662	362.0	98.21	0.078	23.99	27.252	32.023	27.252	0.16	26.388	9.61	54.5
60	-1.692	33.918	-1.90	-1.693	356.6	96.71	0.073	23.18	27.299	32.070	27.299	0.15	26.462	10.06	59.5
65	-1.664	33.973	-1.91	-1.665	353.3	95.94	0.069	18.34	27.343	32.113	27.343	0.08	26.528	10.48	64.4
70	-1.637	34.006	-1.92	-1.638	350.2	95.19	0.066	17.25	27.368	32.137	27.368	0.08	26.587	10.89	69.4
75	-1.656	34.039	-1.92	-1.658	347.2	94.34	0.066	16.29	27.396	32.165	27.396	0.17	26.640	11.28	74.3
80	-1.641	34.068	-1.93	-1.642	344.7	93.72	0.064	14.03	27.419	32.187	27.419	0.09	26.688	11.66	79.3
85	-1.625	34.085	-1.93	-1.627	341.8	92.99	0.062	14.10	27.432	32.200	27.432	0.14	26.731	12.04	84.2
90	-1.649	34.099	-1.94	-1.651	339.4	92.29	0.064	13.73	27.445	32.213	27.445	0.09	26.770	12.41	89.1
95	-1.623	34.126	-1.94	-1.625	337.4	91.83	0.063	12.86	27.465	32.233	27.465	0.09	26.806	12.77	94.1
100	-1.575	34.151	-1.95	-1.578	336.7	91.76	0.061	13.15	27.485	32.250	27.485	0.05	26.840	13.11	99.0
105	-1.561	34.165	-1.95	-1.563	335.3	91.44	0.061	13.00	27.496	32.261	27.496	0.07	26.871	13.46	104.0
110	-1.532	34.188	-1.96	-1.535	332.6	90.78	0.061	13.08	27.514	32.278	27.514	0.10	26.899	13.79	108.9
115	-1.448	34.219	-1.96	-1.451	331.7	90.76	0.060	13.00	27.536	32.297	27.536	0.07	26.926	14.12	113.9
120	-1.329	34.248	-1.97	-1.332	329.4	90.46	0.061	13.08	27.556	32.313	27.556	0.02	26.952	14.43	118.8
125	-1.246	34.270	-1.98	-1.249	326.6	89.91	0.060	13.66	27.571	32.325	27.571	0.06	26.976	14.74	123.8
150	-0.657	34.453	-2.00	-0.662	316.4	88.63	0.060	15.27	27.696	32.432	27.696	0.10	27.086	16.10	148.5
175	0.014	34.608	-2.03	0.007	307.3	87.72	0.060	15.56	27.789	32.504	27.790	-0.04	27.180	17.19	173.2
200	0.647	34.739	-2.06	0.638	300.3	87.25	0.059	15.49	27.858	32.554	27.859	0.03	27.261	18.09	198.0
225	1.131	34.851	-2.08	1.121	296.8	87.41	0.060	16.07	27.917	32.598	27.917	0.05	27.330	18.85	222.7
250	1.318	34.890	-2.10	1.305	297.5	88.06	0.058	14.90	27.935	32.611	27.936	0.05	27.389	19.52	247.4
275	1.375	34.918	-2.13	1.361	298.8	88.61	0.059	15.42	27.953	32.628	27.954	0.05	27.439	20.13	272.1
300	1.199	34.916	-2.14	1.184	301.6	89.02	0.056	14.98	27.964	32.644	27.965	0.05	27.483	20.71	296.8
325	1.020	34.912	-2.16	1.004	301.9	88.71	0.058	16.07	27.974	32.658	27.975	0.04	27.520	21.27	321.5
350	0.926	34.910	-2.18	0.910	299.9	87.88	0.058	19.00	27.978	32.665	27.979	0.04	27.552	21.81	346.2
375	0.860	34.913	-2.20	0.843	297.9	87.15	0.057	19.88	27.985	32.673	27.986	0.04	27.581	22.33	370.9
400	0.798	34.911	-2.22	0.780	296.3	86.55	0.056	43.26	27.987	32.678	27.989	0.05	27.606	22.84	395.6
472	0.791	34.913	-2.27	0.769	289.3	84.49	0.055	83.49	27.989	32.680	27.991	0.04	27.665	24.30	466.7

NEWP 92 STA 2 CTD 6															
Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.111	31.263	-1.71	0.111	-9.0	-9.00	0.066	149.09	25.086	29.826	25.086	0.04	25.086	0.00	0.0
2	0.086	31.274	-1.71	0.086	-9.0	-9.00	0.069	151.99	25.095	29.836	25.095	0.14	25.088	0.60	2.0
4	0.070	31.282	-1.71	0.070	-9.0	-9.00	0.070	152.52	25.102	29.844	25.102	0.11	25.095	1.20	4.0
6	0.028	31.306	-1.72	0.028	-9.0	-9.00	0.077	162.75	25.124	29.866	25.124	-0.05	25.104	1.80	6.0
8	-0.042	31.333	-1.72	-0.042	-9.0	-9.00	0.077	167.57	25.148	29.892	25.148	-0.02	25.113	2.39	7.9
10	-0.516	31.749	-1.74	-0.516	-9.0	-9.00	0.107	219.59	25.503	30.257	25.503	1.28	25.154	2.95	9.9
12	-0.678	31.944	-1.76	-0.678	-9.0	-9.00	0.111	229.33	25.667	30.424	25.667	1.23	25.228	3.45	11.9
14	-0.947	32.198	-1.77	-0.947	-9.0	-9.00	0.124	185.62	25.881	30.645	25.881	0.44	25.307	3.92	13.9
16	-1.087	32.300	-1.78	-1.087	-9.0	-9.00	0.123	138.93	25.968	30.735	25.968	0.64	25.383	4.36	15.9
18	-1.107	32.391	-1.79	-1.108	-9.0	-9.00	0.105	121.41	26.043	30.809	26.043	0.42	25.453	4.78	17.9
20	-1.188	32.453	-1.79	-1.188	-9.0	-9.00	0.115	103.26	26.095	30.864	26.095	0.21	25.515	5.19	19.8
22	-1.276	32.489	-1.79	-1.276	-9.0	-9.00	0.106	92.98	26.127	30.898	26.127	0.22	25.569	5.59	21.8
24	-1.323	32.541	-1.80	-1.324	-9.0	-9.00	0.110	90.89	26.170	30.942	26.170	0.33	25.618	5.99	23.8
26	-1.388	32.625	-1.81	-1.388	-9.0	-9.00	0.120	98.15	26.240	31.013	26.240	0.44	25.663	6.38	25.8
28	-1.440	32.725	-1.81	-1.441	-9.0	-9.00	0.116	84.01	26.322	31.097	26.323	0.31	25.707	6.74	27.8
30	-1.474	32.833	-1.82	-1.475	-9.0	-9.00	0.101	74.76	26.411	31.185	26.411	0.42	25.751	7.10	29.7
32	-1.457	32.940	-1.83	-1.457	-9.0	-9.00	0.102	72.08	26.498	31.271	26.498	0.59	25.795	7.43	31.7
34	-1.514	33.057	-1.84	-1.515	-9.0	-9.00	0.098	65.17	26.594	31.368	26.594	0.51	25.840	7.75	33.7
36	-1.561	33.220	-1.85	-1.562	-9.0	-9.00	0.096	60.94	26.728	31.502	26.728	0.80	25.885	8.05	35.7
38	-1.597	33.391	-1.86	-1.597	-9.0	-9.00	0.090	51.68	26.868	31.641	26.868	0.64	25.934	8.32	37.7
40	-1.622	33.516	-1.87	-1.623	-9.0	-9.00	0.080	44.07	26.970	31.743	26.970	0.61	25.983	8.56	39.7
45	-1.652	33.660	-1.88	-1.652	-9.0	-9.00	0.077	40.31	27.088	31.860	27.088	0.58	26.098	9.13	44.6
50	-1.570	33.790	-1.89	-1.571	-9.0	-9.00	0.067	32.95	27.191	31.959	27.191	0.19	26.203	9.64	49.6
55	-1.661	33.849	-1.90	-1.662	-9.0	-9.00	0.056	27.88	27.242	32.013	27.242	0.13	26.295	10.11	54.5
60	-1.672	33.901	-1.90	-1.673	-9.0	-9.00	0.054	23.91	27.284	32.055	27.284	0.12	26.376	10.56	59.5
65	-1.663	33.944	-1.91	-1.664	-9.0	-9.00	0.050	20.91	27.319	32.089	27.319	0.14	26.447	10.99	64.4
70	-1.692	33.989	-1.92	-1.693	-9.0	-9.00	0.044	17.61	27.356	32.127	27.356	0.12	26.511	11.40	69.4
75	-1.664	34.014	-1.92	-1.665	-9.0	-9.00	0.042	17.03	27.376	32.146	27.376	0.07	26.568	11.80	74.3
80	-1.650	34.039	-1.93	-1.652	-9.0	-9.00	0.041	15.86	27.396	32.165	27.396	0.10	26.619	12.20	79.3
85	-1.570	34.075	-1.93	-1.572	-9.0	-9.00	0.039	15.86	27.423	32.189	27.423	0.05	26.666	12.57	84.2
90	-1.465	34.082	-1.94	-1.467	-9.0	-9.00	0.037	21.49	27.425	32.188	27.425	-0.04	26.708	12.94	89.2
95	-1.397	34.124	-1.94	-1.399	-9.0	-9.00	0.036	19.30	27.457	32.218	27.457	0.01	26.747	13.31	94.1
100	-1.461	34.134	-1.95	-1.463	-9.0	-9.00	0.035	18.34	27.468	32.230	27.468	0.17	26.782	13.67	99.0
105	-1.355	34.164	-1.95	-1.357	-9.0	-9.00	0.036	18.20	27.488	32.247	27.488	-0.01	26.816	14.01	104.0
110	-1.342	34.190	-1.96	-1.345	-9.0	-9.00	0.035	16.22	27.509	32.268	27.509	0.04	26.847	14.35	108.9
115	-1.320	34.208	-1.96	-1.323	-9.0	-9.00	0.035	16.73	27.522	32.280	27.523	0.06	26.876	14.68	113.9
120	-1.229	34.239	-1.97	-1.232	-9.0	-9.00	0.037	16.66	27.545	32.299	27.545	0.23	26.903	15.00	118.8
125	-1.144	34.270	-1.98	-1.147	-9.0	-9.00	0.035	16.44	27.567	32.319	27.567	0.21	26.929	15.31	123.8
150	-0.605	34.462	-2.00	-0.610	-9.0	-9.00	0.036	17.10	27.701	32.435	27.702	0.04	27.046	16.68	148.5
175	0.098	34.616	-2.03	0.091	-9.0	-9.00	0.035	16.95	27.791	32.504	27.791	0.04	27.146	17.77	173.2
200	0.604	34.721	-2.06	0.595	-9.0	-9.00	0.036	18.56	27.847	32.544	27.847	0.08	27.230	18.68	198.0
225	1.015	34.814	-2.08	1.004	-9.0	-9.00	0.035	19.22	27.895	32.580	27.895	0.06	27.302	19.46	222.7
250	1.365	34.890	-2.10	1.353	-9.0	-9.00	0.034	16.22	27.932	32.607	27.933	0.04	27.363	20.14	247.4
275	1.357	34.909	-2.12	1.343	-9.0	-9.00	0.033	16.07	27.948	32.623	27.949	0.06	27.416	20.76	272.1
300	1.151	34.904	-2.14	1.137	-9.0	-9.00	0.034	20.03	27.958	32.639	27.959	0.06	27.460	21.36	296.8
325	1.029	34.908	-2.16	1.014	-9.0	-9.00	0.034	23.25	27.969	32.653	27.970	0.06	27.499	21.92	321.5
350	0.930	34.908	-2.18	0.914	-9.0	-9.00	0.034	27.73	27.977	32.663	27.978	0.04	27.533	22.46	346.2
375	0.866	34.910	-2.20	0.848	-9.0	-9.00	0.033	26.19	27.982	32.671	27.983	0.05	27.563	22.99	370.9
400	0.821	34.910	-2.22	0.803	-9.0	-9.00	0.034	31.99	27.985	32.675	27.986	0.05	27.589	23.51	395.6
433	0.798	34.910	-2.24	0.778	-9.0	-9.00	0.033	74.02	27.986	32.677	27.988	0.04	27.619	24.19	428.2

NEWP 92 STA 3 CTD 7

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.318	31.876	-1.74	-1.318	363.1	97.94	0.042	88.57	25.631	30.408	25.631	0.05	25.631	0.00	0.0
2	-1.337	31.889	-1.75	-1.337	362.2	97.65	0.042	89.02	25.642	30.420	25.642	0.16	25.634	0.50	2.0
4	-1.493	31.982	-1.75	-1.493	359.6	96.61	0.042	87.30	25.721	30.503	25.721	0.29	25.659	0.98	4.0
6	-1.502	31.995	-1.75	-1.502	356.9	95.86	0.043	92.84	25.732	30.514	25.732	0.06	25.683	1.46	6.0
8	-1.521	32.006	-1.76	-1.521	362.8	97.41	0.042	89.24	25.741	30.524	25.741	0.13	25.696	1.94	7.9
10	-1.528	32.038	-1.76	-1.528	365.4	98.11	0.045	87.97	25.767	30.550	25.767	0.19	25.707	2.41	9.9
12	-1.547	32.077	-1.76	-1.547	365.7	98.18	0.046	81.84	25.799	30.582	25.799	0.18	25.720	2.88	11.9
14	-1.563	32.093	-1.77	-1.563	365.2	98.01	0.049	78.71	25.812	30.596	25.812	0.11	25.732	3.34	13.9
16	-1.563	32.107	-1.77	-1.563	367.5	98.63	0.050	81.32	25.824	30.607	25.824	0.11	25.743	3.80	15.9
18	-1.578	32.128	-1.77	-1.579	368.7	98.94	0.051	74.39	25.841	30.625	25.841	0.18	25.753	4.26	17.9
20	-1.595	32.154	-1.77	-1.595	366.4	98.28	0.050	69.40	25.863	30.647	25.863	0.14	25.763	4.71	19.8
22	-1.618	32.172	-1.78	-1.618	364.8	97.81	0.052	65.32	25.878	30.662	25.878	0.07	25.773	5.16	21.8
24	-1.622	32.176	-1.78	-1.622	364.1	97.62	0.053	63.39	25.882	30.666	25.882	0.08	25.782	5.61	23.8
26	-1.649	32.197	-1.78	-1.649	360.5	96.61	0.049	56.42	25.899	30.684	25.899	0.11	25.790	6.06	25.8
28	-1.664	32.213	-1.78	-1.665	363.0	97.24	0.050	52.72	25.912	30.698	25.912	0.15	25.798	6.50	27.8
30	-1.666	32.243	-1.79	-1.667	363.9	97.49	0.056	56.27	25.936	30.722	25.936	0.17	25.807	6.94	29.7
32	-1.685	32.265	-1.79	-1.686	370.0	99.10	0.057	53.31	25.955	30.741	25.955	0.12	25.816	7.37	31.7
34	-1.700	32.279	-1.79	-1.701	369.4	98.90	0.055	48.50	25.966	30.753	25.966	0.13	25.824	7.81	33.7
36	-1.711	32.297	-1.79	-1.712	367.7	98.44	0.050	44.51	25.981	30.768	25.981	0.07	25.833	8.24	35.7
38	-1.717	32.308	-1.80	-1.718	366.9	98.22	0.047	42.96	25.990	30.777	25.990	0.12	25.840	8.67	37.7
40	-1.718	32.313	-1.80	-1.718	366.8	98.20	0.045	40.97	25.995	30.781	25.995	0.05	25.848	9.09	39.7
45	-1.719	32.322	-1.80	-1.720	366.5	98.11	0.046	38.61	26.002	30.788	26.002	0.05	25.865	10.15	44.6
50	-1.730	32.326	-1.81	-1.731	367.6	98.38	0.040	34.64	26.006	30.792	26.006	0.07	25.879	11.22	49.6
55	-1.735	32.333	-1.81	-1.736	366.3	98.03	0.039	32.58	26.011	30.798	26.011	0.05	25.891	12.27	54.5
60	-1.735	32.336	-1.82	-1.736	365.4	97.77	0.037	32.65	26.014	30.801	26.014	0.06	25.901	13.33	59.5
65	-1.736	32.343	-1.82	-1.737	368.1	98.52	0.035	31.48	26.019	30.806	26.019	0.06	25.910	14.39	64.4
70	-1.736	32.350	-1.82	-1.737	366.5	98.09	0.033	31.62	26.025	30.812	26.025	0.05	25.918	15.44	69.4
75	-1.738	32.360	-1.83	-1.740	362.6	97.05	0.032	31.04	26.033	30.820	26.033	0.07	25.925	16.49	74.4
80	-1.739	32.371	-1.83	-1.740	356.4	95.40	0.031	30.89	26.042	30.829	26.042	0.06	25.932	17.53	79.3
85	-1.739	32.396	-1.84	-1.740	349.5	93.55	0.031	31.84	26.063	30.849	26.063	0.09	25.939	18.57	84.3
90	-1.732	32.431	-1.84	-1.734	353.3	94.62	0.044	30.08	26.091	30.876	26.091	0.10	25.947	19.59	89.2
95	-1.720	32.469	-1.85	-1.721	350.1	93.84	0.031	30.08	26.121	30.906	26.121	0.17	25.955	20.60	94.2
100	-1.693	32.527	-1.86	-1.695	346.4	92.95	0.031	31.26	26.168	30.952	26.168	0.11	25.965	21.59	99.1
105	-1.673	32.574	-1.86	-1.675	341.9	91.81	0.030	31.84	26.206	30.988	26.206	0.10	25.975	22.56	104.1
110	-1.656	32.616	-1.87	-1.658	332.7	89.43	0.030	32.87	26.240	31.021	26.240	0.10	25.987	23.52	109.0
115	-1.608	32.718	-1.88	-1.610	329.9	88.86	0.031	34.64	26.321	31.101	26.321	0.25	25.999	24.45	114.0
120	-1.579	32.779	-1.89	-1.581	333.1	89.84	0.032	35.89	26.370	31.148	26.370	0.13	26.014	25.34	118.9
125	-1.527	32.866	-1.89	-1.530	334.4	90.37	0.031	35.96	26.440	31.215	26.440	0.25	26.029	26.20	123.9
142	-1.338	33.247	-1.93	-1.341	309.7	84.36	0.032	41.78	26.743	31.510	26.743	0.07	26.101	28.77	140.7

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
3	8	20 JUL 92	1417	78 36.57	-13 30.48	139	16	80

Pres dbar	BNL_ID	CTD Tem C	CTD Sal P78	Theta C	Sig-Th	Bot Sal P78	Bot DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	93	-1.248	31.908	-1.248	25.655			2.62	.06	.06	.98	12.01
2	94	-1.248	31.908	-1.248	25.655			2.61	.05	.06	.98	12.22
4	92	-1.294	31.910	-1.294	25.658			2.70	.06	.06	1.00	11.91
10	91	-1.581	32.113	-1.581	25.829			2.86	.07	.14	.98	11.48
17	90	-1.653	32.202	-1.654	25.903							
28	89	-1.680	32.245	-1.681	25.939			2.90	.08	.05	.94	10.67
43	88	-1.722	32.316	-1.723	25.997			2.98	.09	.03	.91	9.99
65	87	-1.736	32.348	-1.737	26.023			3.17	.05	.02	.90	9.78
80	86	-1.736	32.385	-1.738	26.054			3.47	.02	.03	.94	10.33
100	85	-1.683	32.550	-1.685	26.186			4.25	.02	.02	.92	11.02
124	84	-1.550	32.831	-1.552	26.412			5.87	.02	.01	.89	11.61

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	93	.33	.20	3.7	.7			158000			
2	94										
4	92	.28	.24	4.9	.7						
10	91	.27	.19	3.7	.5			136000			
17	90										
28	89	.17	.16	2.2	.4			104000			
43	88	.12	.06	2.1	.3			105000			
65	87	.06	.04	1.6	.2			95900			
80	86	.02	.05	1.2	.1			54600			
100	85	.01	.03	1.0	.1			41800			
124	84	.01	.03	2.4	.2						

NEWP 92 STA 3 CTD 8															
Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.409	31.899	-1.75	-1.409	350.8	94.40	0.043	91.56	25.651	30.432	25.651	0.04	25.651	0.00	0.0
2	-1.410	31.910	-1.75	-1.411	348.8	93.87	0.045	88.34	25.660	30.441	25.660	0.13	25.654	0.49	2.0
4	-1.456	31.976	-1.75	-1.456	343.5	92.37	0.051	80.20	25.715	30.496	25.715	0.30	25.671	0.98	4.0
6	-1.443	31.988	-1.75	-1.443	338.7	91.13	0.059	81.10	25.724	30.505	25.724	0.05	25.689	1.46	6.0
8	-1.456	32.007	-1.76	-1.456	333.3	89.66	0.049	79.83	25.740	30.521	25.740	0.16	25.699	1.93	7.9
10	-1.479	32.024	-1.76	-1.479	343.5	92.35	0.049	78.56	25.755	30.536	25.755	0.24	25.708	2.41	9.9
12	-1.563	32.089	-1.76	-1.563	353.9	94.97	0.051	66.13	25.809	30.593	25.809	0.13	25.722	2.88	11.9
14	-1.578	32.105	-1.77	-1.578	358.0	96.06	0.051	61.53	25.822	30.606	25.822	0.11	25.735	3.34	13.9
16	-1.585	32.119	-1.77	-1.585	359.3	96.38	0.050	58.94	25.834	30.618	25.834	0.14	25.747	3.79	15.9
18	-1.599	32.154	-1.77	-1.599	361.8	97.04	0.051	54.49	25.862	30.646	25.862	0.19	25.758	4.25	17.9
20	-1.608	32.165	-1.77	-1.609	362.9	97.32	0.050	53.75	25.872	30.656	25.872	0.09	25.769	4.70	19.8
22	-1.628	32.181	-1.78	-1.629	366.0	98.12	0.054	50.79	25.885	30.670	25.885	0.07	25.779	5.15	21.8
24	-1.634	32.184	-1.78	-1.635	367.0	98.38	0.054	50.87	25.888	30.673	25.888	0.08	25.788	5.60	23.8
26	-1.641	32.192	-1.78	-1.641	365.6	97.98	0.054	50.79	25.894	30.679	25.894	0.10	25.796	6.04	25.8
28	-1.638	32.208	-1.78	-1.638	366.8	98.32	0.056	49.31	25.907	30.692	25.907	0.10	25.803	6.49	27.8
30	-1.659	32.229	-1.79	-1.660	367.1	98.35	0.059	43.04	25.925	30.710	25.925	0.17	25.811	6.93	29.7
32	-1.689	32.266	-1.79	-1.690	368.1	98.58	0.059	38.39	25.956	30.742	25.956	0.17	25.819	7.36	31.7
34	-1.703	32.286	-1.79	-1.704	367.5	98.39	0.054	34.71	25.973	30.759	25.973	0.06	25.828	7.80	33.7
36	-1.711	32.298	-1.79	-1.712	366.7	98.16	0.052	31.26	25.982	30.768	25.982	0.08	25.836	8.22	35.7
38	-1.720	32.305	-1.80	-1.721	364.6	97.59	0.047	28.10	25.988	30.774	25.988	0.07	25.844	8.65	37.7
40	-1.723	32.311	-1.80	-1.723	365.5	97.82	0.044	27.22	25.993	30.780	25.993	0.09	25.851	9.08	39.7
45	-1.727	32.323	-1.80	-1.728	365.5	97.83	0.042	23.84	26.003	30.789	26.003	0.06	25.868	10.14	44.6
50	-1.732	32.329	-1.81	-1.733	364.7	97.59	0.041	22.01	26.008	30.795	26.008	0.07	25.882	11.20	49.6
55	-1.736	32.334	-1.81	-1.737	364.2	97.46	0.038	20.10	26.012	30.798	26.012	0.06	25.893	12.26	54.5
60	-1.735	32.339	-1.82	-1.736	363.5	97.27	0.039	20.03	26.016	30.803	26.016	0.07	25.903	13.32	59.5
65	-1.735	32.346	-1.82	-1.736	363.8	97.37	0.037	19.44	26.022	30.808	26.022	0.06	25.912	14.37	64.4
70	-1.737	32.358	-1.82	-1.738	361.8	96.84	0.036	18.27	26.032	30.818	26.032	0.07	25.920	15.42	69.4
75	-1.738	32.371	-1.83	-1.739	361.9	96.86	0.033	19.15	26.042	30.829	26.042	0.07	25.928	16.46	74.4
80	-1.737	32.386	-1.83	-1.738	359.7	96.29	0.031	17.90	26.054	30.840	26.054	0.06	25.936	17.50	79.3
85	-1.736	32.419	-1.84	-1.738	359.1	96.16	0.033	17.39	26.081	30.867	26.081	0.07	25.943	18.53	84.3
90	-1.727	32.446	-1.84	-1.729	358.2	95.96	0.033	16.37	26.103	30.888	26.103	0.09	25.952	19.55	89.2
95	-1.716	32.481	-1.85	-1.717	357.1	95.71	0.032	17.39	26.131	30.916	26.131	0.10	25.960	20.55	94.2
100	-1.684	32.553	-1.86	-1.685	356.1	95.58	0.031	19.08	26.189	30.972	26.189	0.12	25.970	21.54	99.1
105	-1.669	32.588	-1.86	-1.671	354.0	95.10	0.032	19.15	26.217	30.999	26.217	0.07	25.981	22.50	104.1
110	-1.641	32.652	-1.87	-1.643	349.3	93.94	0.032	19.52	26.268	31.049	26.268	0.10	25.993	23.45	109.0
115	-1.609	32.723	-1.88	-1.612	340.4	91.69	0.032	20.61	26.325	31.105	26.325	0.13	26.006	24.37	114.0
120	-1.571	32.796	-1.89	-1.573	339.6	91.62	0.031	21.64	26.383	31.161	26.383	0.21	26.021	25.26	118.9
125	-1.535	32.849	-1.89	-1.538	334.9	90.48	0.032	23.47	26.426	31.202	26.426	0.30	26.036	26.12	123.9
139	-1.360	33.187	-1.92	-1.363	327.0	89.00	0.031	31.23	26.696	31.463	26.696	0.14	26.092	28.29	137.8

NEWP 92 STA 3 CTD 9

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.223	31.870	-1.74	-1.223	379.3	102.57	0.046	73.64	25.624	30.399	25.624	0.05	25.623	0.00	0.0
2	-1.238	31.883	-1.75	-1.238	367.8	99.42	0.047	73.87	25.634	30.409	25.634	0.12	25.628	0.50	2.0
4	-1.307	31.893	-1.75	-1.307	358.2	96.67	0.047	72.82	25.644	30.421	25.644	0.03	25.636	0.99	4.0
6	-1.396	31.925	-1.75	-1.396	368.5	99.23	0.045	73.27	25.672	30.452	25.672	0.26	25.640	1.49	6.0
8	-1.430	31.949	-1.75	-1.431	371.8	100.02	0.047	75.65	25.692	30.473	25.692	0.44	25.649	1.97	7.9
10	-1.538	32.020	-1.76	-1.538	374.4	100.50	0.048	74.80	25.753	30.536	25.753	0.28	25.665	2.45	9.9
12	-1.577	32.106	-1.77	-1.577	375.1	100.65	0.050	60.27	25.823	30.607	25.823	0.21	25.687	2.92	11.9
14	-1.606	32.145	-1.77	-1.607	376.1	100.84	0.052	55.01	25.856	30.640	25.856	0.21	25.709	3.37	13.9
16	-1.637	32.181	-1.77	-1.638	378.6	101.46	0.048	48.28	25.886	30.671	25.886	0.15	25.729	3.82	15.9
18	-1.654	32.197	-1.78	-1.654	377.8	101.21	0.050	43.26	25.899	30.684	25.899	0.12	25.747	4.27	17.9
20	-1.671	32.224	-1.78	-1.671	376.3	100.78	0.048	39.57	25.921	30.707	25.921	0.14	25.764	4.71	19.8
22	-1.683	32.240	-1.78	-1.683	374.1	100.18	0.046	35.74	25.935	30.721	25.935	0.13	25.779	5.15	21.8
24	-1.690	32.257	-1.78	-1.690	374.8	100.35	0.047	35.52	25.948	30.734	25.948	0.13	25.792	5.59	23.8
26	-1.694	32.276	-1.79	-1.694	374.2	100.20	0.049	34.71	25.964	30.750	25.964	0.09	25.805	6.02	25.8
28	-1.702	32.285	-1.79	-1.702	373.4	99.97	0.048	32.21	25.972	30.758	25.972	0.08	25.817	6.45	27.8
30	-1.703	32.293	-1.79	-1.704	373.0	99.88	0.051	31.84	25.978	30.764	25.978	0.08	25.827	6.88	29.7
32	-1.709	32.305	-1.79	-1.709	370.6	99.21	0.053	29.86	25.988	30.774	25.988	0.09	25.837	7.31	31.7
34	-1.713	32.311	-1.79	-1.714	370.4	99.15	0.050	28.32	25.993	30.779	25.993	0.06	25.846	7.73	33.7
36	-1.717	32.314	-1.80	-1.718	370.0	99.03	0.049	25.89	25.996	30.782	25.996	0.05	25.854	8.16	35.7
38	-1.719	32.316	-1.80	-1.720	369.2	98.83	0.049	24.35	25.997	30.783	25.997	0.06	25.862	8.59	37.7
40	-1.726	32.323	-1.80	-1.726	368.1	98.53	0.045	23.03	26.003	30.789	26.003	0.08	25.869	9.01	39.7
45	-1.725	32.329	-1.80	-1.725	365.7	97.89	0.045	21.20	26.008	30.794	26.008	0.04	25.884	10.07	44.6
50	-1.729	32.332	-1.81	-1.730	363.3	97.23	0.043	20.10	26.010	30.797	26.010	0.06	25.896	11.13	49.6
55	-1.730	32.335	-1.81	-1.731	361.3	96.69	0.041	19.08	26.013	30.799	26.013	0.05	25.907	12.19	54.5
60	-1.733	32.336	-1.82	-1.734	360.2	96.39	0.040	18.56	26.014	30.800	26.014	0.06	25.916	13.24	59.5
65	-1.736	32.341	-1.82	-1.737	359.0	96.08	0.040	17.17	26.018	30.805	26.018	0.06	25.923	14.30	64.4
70	-1.736	32.349	-1.82	-1.737	363.6	97.31	0.037	17.39	26.024	30.811	26.024	0.09	25.930	15.35	69.4
75	-1.737	32.369	-1.83	-1.738	362.4	97.01	0.035	15.56	26.040	30.827	26.040	0.10	25.937	16.40	74.4
80	-1.738	32.385	-1.83	-1.739	359.5	96.22	0.036	15.86	26.053	30.840	26.053	0.05	25.944	17.44	79.3
85	-1.738	32.398	-1.84	-1.739	357.8	95.79	0.034	15.56	26.064	30.850	26.064	0.09	25.951	18.47	84.3
90	-1.730	32.438	-1.84	-1.731	356.0	95.35	0.033	14.76	26.097	30.882	26.097	0.07	25.958	19.49	89.2
95	-1.716	32.480	-1.85	-1.718	353.9	94.86	0.033	14.76	26.131	30.915	26.131	0.09	25.966	20.50	94.2
100	-1.690	32.546	-1.86	-1.691	350.3	94.01	0.034	15.78	26.183	30.966	26.183	0.10	25.976	21.49	99.1
105	-1.666	32.601	-1.86	-1.668	348.6	93.65	0.034	16.37	26.228	31.010	26.228	0.15	25.987	22.45	104.1
110	-1.630	32.674	-1.87	-1.632	344.8	92.77	0.033	17.54	26.286	31.067	26.286	0.17	25.999	23.39	109.0
115	-1.603	32.734	-1.88	-1.605	346.5	93.35	0.034	18.64	26.334	31.113	26.334	0.14	26.012	24.30	114.0
120	-1.554	32.830	-1.89	-1.557	339.0	91.51	0.033	20.47	26.411	31.188	26.411	0.28	26.027	25.18	118.9
125	-1.504	32.923	-1.90	-1.507	335.3	90.72	0.033	21.93	26.485	31.260	26.486	0.16	26.044	26.02	123.9
137	-1.379	33.148	-1.92	-1.382	326.0	88.65	0.034	27.07	26.664	31.433	26.665	0.13	26.093	27.87	135.8

NEWP 92 STA 3 CTD 10

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.269	31.798	-1.74	-1.269	346.6	93.56	0.057	87.82	25.566	30.343	25.566	0.03	25.566	0.00	0.0
2	-1.233	31.787	-1.74	-1.233	346.8	93.70	0.055	89.32	25.556	30.332	25.556	-0.04	25.563	0.51	2.0
4	-1.231	31.795	-1.74	-1.231	345.5	93.35	0.048	89.99	25.562	30.338	25.562	-0.10	25.561	1.02	4.0
6	-1.096	31.764	-1.74	-1.096	352.9	95.69	0.049	95.16	25.534	30.306	25.534	-0.09	25.557	1.53	6.0
8	-1.232	31.848	-1.75	-1.232	363.5	98.27	0.052	87.15	25.606	30.381	25.606	0.20	25.559	2.04	7.9
10	-1.513	31.957	-1.76	-1.513	371.2	99.65	0.059	74.61	25.701	30.484	25.701	0.46	25.576	2.54	9.9
12	-1.531	31.994	-1.76	-1.531	372.7	100.05	0.064	75.51	25.732	30.515	25.732	0.09	25.601	3.02	11.9
14	-1.565	32.036	-1.76	-1.565	372.8	100.00	0.070	70.07	25.767	30.551	25.767	0.29	25.621	3.49	13.9
16	-1.578	32.080	-1.77	-1.578	374.8	100.53	0.072	68.81	25.802	30.586	25.802	0.14	25.642	3.96	15.9
18	-1.593	32.124	-1.77	-1.594	372.1	99.81	0.073	63.61	25.839	30.623	25.839	0.24	25.662	4.42	17.9
20	-1.631	32.163	-1.77	-1.631	372.3	99.78	0.075	51.83	25.871	30.656	25.871	0.22	25.681	4.87	19.8
22	-1.669	32.196	-1.78	-1.669	369.9	99.06	0.072	39.43	25.899	30.684	25.899	0.24	25.700	5.32	21.8
24	-1.681	32.229	-1.78	-1.681	370.6	99.24	0.071	38.61	25.925	30.711	25.925	0.16	25.718	5.76	23.8
26	-1.686	32.247	-1.78	-1.686	370.7	99.28	0.073	38.84	25.940	30.726	25.940	0.10	25.734	6.20	25.8
28	-1.691	32.262	-1.79	-1.692	368.7	98.72	0.072	37.58	25.953	30.739	25.953	0.14	25.749	6.63	27.8
30	-1.717	32.275	-1.79	-1.718	367.9	98.45	0.061	32.14	25.964	30.750	25.964	0.12	25.763	7.07	29.7
32	-1.706	32.289	-1.79	-1.706	366.8	98.21	0.113	30.52	25.975	30.761	25.975	0.07	25.776	7.50	31.7
34	-1.714	32.293	-1.79	-1.714	368.4	98.61	0.060	28.10	25.978	30.764	25.978	0.06	25.788	7.93	33.7
36	-1.716	32.296	-1.79	-1.716	368.5	98.64	0.052	27.36	25.981	30.767	25.981	0.05	25.799	8.36	35.7
38	-1.719	32.301	-1.80	-1.720	368.4	98.61	0.052	27.00	25.985	30.771	25.985	0.07	25.808	8.78	37.7
40	-1.723	32.309	-1.80	-1.724	368.4	98.59	0.048	24.06	25.991	30.778	25.991	0.09	25.817	9.21	39.7
45	-1.717	32.321	-1.80	-1.718	367.9	98.49	0.048	23.62	26.001	30.787	26.001	0.05	25.837	10.28	44.6
50	-1.728	32.326	-1.81	-1.729	367.1	98.24	0.043	20.47	26.005	30.792	26.005	0.04	25.854	11.34	49.6
55	-1.733	32.332	-1.81	-1.734	367.3	98.28	0.043	19.59	26.011	30.797	26.011	0.05	25.868	12.40	54.5
60	-1.733	32.336	-1.82	-1.734	365.1	97.71	0.043	19.52	26.014	30.800	26.014	0.05	25.880	13.45	59.5
65	-1.735	32.344	-1.82	-1.736	363.9	97.38	0.039	19.37	26.020	30.807	26.020	0.06	25.890	14.51	64.4
70	-1.735	32.350	-1.82	-1.736	363.5	97.28	0.039	19.37	26.025	30.812	26.025	0.06	25.900	15.56	69.4
75	-1.736	32.360	-1.83	-1.738	361.9	96.87	0.040	18.86	26.033	30.819	26.033	0.09	25.908	16.61	74.4
80	-1.737	32.386	-1.83	-1.738	359.3	96.17	0.037	17.39	26.054	30.841	26.054	0.09	25.917	17.65	79.3
85	-1.735	32.413	-1.84	-1.737	359.4	96.24	0.035	16.44	26.077	30.863	26.077	0.09	25.926	18.68	84.3
90	-1.728	32.445	-1.84	-1.729	358.8	96.12	0.037	16.88	26.102	30.887	26.102	0.10	25.935	19.70	89.2
95	-1.715	32.477	-1.85	-1.717	355.8	95.38	0.036	17.10	26.128	30.913	26.128	0.09	25.944	20.70	94.2
100	-1.700	32.518	-1.86	-1.702	353.9	94.93	0.036	18.20	26.160	30.944	26.160	0.08	25.954	21.70	99.1
105	-1.677	32.578	-1.86	-1.679	353.8	95.01	0.037	18.93	26.209	30.992	26.209	0.08	25.965	22.67	104.1
110	-1.657	32.624	-1.87	-1.659	351.0	94.35	0.038	19.44	26.246	31.028	26.246	0.20	25.977	23.62	109.0
115	-1.617	32.714	-1.88	-1.619	347.6	93.60	0.036	19.74	26.318	31.098	26.318	0.25	25.990	24.55	114.0
120	-1.571	32.798	-1.89	-1.573	345.2	93.13	0.036	19.59	26.385	31.163	26.385	0.18	26.005	25.44	118.9

NEWP 92 STA 4 CTD 11

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.727	32.140	-1.76	1.727	375.7	110.07	0.126	440.28	25.700	30.388	25.700	0.11	25.699	0.00	0.0
2	1.595	32.175	-1.76	1.594	376.1	109.86	0.118	406.13	25.737	30.428	25.737	0.09	25.717	0.48	2.0
4	0.914	32.288	-1.77	0.914	383.0	110.01	0.098	134.45	25.870	30.579	25.870	0.71	25.750	0.95	4.0
6	0.800	32.326	-1.77	0.800	381.3	109.21	0.070	112.51	25.907	30.618	25.907	0.08	25.799	1.39	5.9
8	0.818	32.332	-1.78	0.818	377.6	108.23	0.065	112.96	25.911	30.622	25.911	-0.02	25.827	1.83	7.9
10	0.824	32.327	-1.78	0.824	371.8	106.57	0.084	113.26	25.906	30.617	25.906	0.05	25.843	2.28	9.9
12	0.717	32.326	-1.78	0.717	371.0	106.03	0.074	107.92	25.911	30.625	25.911	0.13	25.854	2.72	11.9
14	0.560	32.315	-1.78	0.559	370.3	105.40	0.075	97.86	25.911	30.630	25.911	-0.03	25.863	3.16	13.9
16	-0.176	32.258	-1.78	-0.176	377.3	105.27	0.073	84.68	25.900	30.640	25.900	0.07	25.868	3.61	15.9
18	-1.193	32.296	-1.78	-1.193	386.2	104.86	0.079	77.37	25.968	30.738	25.968	0.35	25.875	4.04	17.8
20	-1.358	32.325	-1.78	-1.358	388.1	104.94	0.076	71.19	25.996	30.771	25.996	0.07	25.887	4.47	19.8
22	-1.524	32.325	-1.79	-1.524	382.9	103.04	0.068	55.68	26.000	30.780	26.000	0.12	25.897	4.90	21.8
24	-1.555	32.341	-1.79	-1.555	378.5	101.79	0.060	47.17	26.013	30.794	26.013	0.09	25.906	5.32	23.8
26	-1.585	32.342	-1.79	-1.586	377.0	101.32	0.059	40.09	26.015	30.797	26.015	0.06	25.914	5.74	25.8
28	-1.625	32.340	-1.79	-1.626	375.6	100.83	0.052	34.05	26.014	30.797	26.014	0.01	25.921	6.17	27.8
30	-1.681	32.343	-1.79	-1.681	375.2	100.56	0.057	30.67	26.018	30.803	26.018	0.06	25.928	6.59	29.7
32	-1.702	32.346	-1.79	-1.703	375.3	100.54	0.053	23.77	26.021	30.807	26.021	0.04	25.934	7.01	31.7
34	-1.728	32.348	-1.80	-1.728	374.2	100.17	0.041	23.40	26.023	30.810	26.023	0.06	25.939	7.43	33.7
36	-1.723	32.351	-1.80	-1.724	369.5	98.93	0.038	23.77	26.026	30.812	26.026	0.06	25.944	7.85	35.7
38	-1.667	32.357	-1.80	-1.667	366.6	98.30	0.046	28.32	26.029	30.814	26.029	0.06	25.948	8.27	37.7
40	-1.664	32.354	-1.80	-1.665	375.4	100.67	0.055	30.01	26.027	30.811	26.027	0.06	25.952	8.69	39.7
45	-1.725	32.359	-1.80	-1.726	370.2	99.10	0.039	21.05	26.032	30.818	26.032	0.06	25.961	9.74	44.6
50	-1.744	32.363	-1.81	-1.745	366.9	98.17	0.033	17.69	26.036	30.823	26.036	0.05	25.968	10.78	49.6
55	-1.750	32.367	-1.81	-1.751	362.8	97.06	0.033	17.10	26.039	30.826	26.039	0.05	25.974	11.83	54.5
60	-1.751	32.377	-1.82	-1.752	362.4	96.95	0.031	15.42	26.047	30.834	26.047	0.06	25.980	12.87	59.5
65	-1.744	32.391	-1.82	-1.745	362.1	96.91	0.028	15.34	26.058	30.845	26.058	0.09	25.986	13.91	64.4
70	-1.730	32.417	-1.83	-1.732	359.9	96.37	0.028	15.49	26.079	30.865	26.079	0.08	25.992	14.94	69.4
75	-1.717	32.439	-1.83	-1.718	356.8	95.61	0.029	15.86	26.097	30.882	26.097	0.09	25.998	15.95	74.3
80	-1.692	32.491	-1.84	-1.694	353.7	94.88	0.027	15.78	26.139	30.923	26.139	0.10	26.006	16.96	79.3
85	-1.663	32.564	-1.85	-1.665	354.5	95.21	0.028	16.29	26.197	30.980	26.197	0.22	26.015	17.94	84.3
90	-1.636	32.654	-1.86	-1.638	349.8	94.09	0.029	17.47	26.270	31.050	26.270	0.16	26.027	18.89	89.2
95	-1.619	32.702	-1.86	-1.621	347.9	93.65	0.031	17.90	26.308	31.088	26.308	0.12	26.041	19.81	94.2
100	-1.636	32.782	-1.87	-1.638	346.4	93.26	0.037	28.61	26.374	31.154	26.374	0.16	26.056	20.71	99.1
105	-1.606	32.879	-1.88	-1.608	343.8	92.70	0.032	26.85	26.452	31.230	26.452	0.51	26.072	21.57	104.1
110	-1.576	32.990	-1.89	-1.578	341.0	92.12	0.030	23.47	26.541	31.317	26.541	0.18	26.092	22.39	109.0
115	-1.536	33.092	-1.90	-1.538	338.8	91.70	0.031	24.79	26.623	31.397	26.623	0.26	26.113	23.17	114.0
120	-1.506	33.175	-1.91	-1.508	335.4	90.91	0.038	24.35	26.690	31.462	26.690	0.16	26.136	23.91	118.9
125	-1.496	33.234	-1.91	-1.499	334.7	90.79	0.030	23.84	26.737	31.509	26.737	0.18	26.159	24.62	123.9
150	-1.202	33.779	-1.97	-1.205	322.9	88.64	0.029	23.99	27.171	31.928	27.171	0.48	26.289	27.65	148.6
175	-0.498	34.236	-2.01	-0.504	303.5	85.23	0.027	34.71	27.514	32.246	27.514	0.15	26.443	29.65	173.4
200	0.052	34.481	-2.04	0.044	290.9	83.04	0.028	51.46	27.684	32.399	27.685	0.05	26.590	31.03	198.1
225	0.276	34.608	-2.07	0.267	289.1	83.12	0.026	45.10	27.775	32.482	27.775	0.05	26.717	32.14	222.8
250	0.415	34.683	-2.09	0.405	287.0	82.85	0.039	49.02	27.827	32.530	27.828	0.08	26.826	33.10	247.5
275	0.425	34.741	-2.11	0.414	287.2	82.96	0.027	72.01	27.873	32.575	27.874	0.05	26.919	33.94	272.2
300	0.408	34.751	-2.13	0.396	284.7	82.22	0.028	87.07	27.883	32.585	27.883	0.04	26.999	34.71	296.9
325	0.398	34.757	-2.15	0.385	282.9	81.67	0.035	171.86	27.888	32.591	27.889	0.05	27.067	35.47	321.7

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
4	12	21 JUL 92	1511	80 24.58	-14 12.49	333	11	0

Pres dbar	BNL_ID	CTD Tem C	CTD Sal P78	Theta C	Sig-Th	Bot Sal P78	Bot DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	141	1.329	32.115	1.329	25.706			.14	.02	.05	.82	3.05
4	140	1.267	32.145	1.267	25.734			.22	.02	.09	.82	3.27
6	139							.05	.02	.07	.78	2.11
11	138	1.497	32.064	1.496	25.654			1.71	.03	.07	.93	5.75
19	137	.425	32.341	.424	25.939			3.77	.02	.07	1.08	9.27
31	136	-1.445	32.353	-1.446	26.021			3.85	.02	.05	1.06	8.96
46	135	-1.734	32.361	-1.735	26.034			4.17	.02	.14	1.08	9.06
60	134	-1.756	32.369	-1.757	26.041			4.30	.01	.07	1.10	9.23
90	133	-1.648	32.613	-1.649	26.237			6.00	.01	.11	1.11	10.86
119	132	-1.520	33.160	-1.522	26.678			7.80	.01	.04	1.04	11.17
151	131	-1.206	33.793	-1.210	27.182			10.04	.01	.06	.99	9.95

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	141	1.99	.12	21.4	2.4			66100			
4	140	2.11	.21	20.7	2.3						
6	139	1.94	.26	23.9	2.3			67900			
11	138	1.01	.22	15.5	2.1			44000			
19	137	.96	.46	4.5	.6			31500			
31	136	1.06	.61	3.4	.3			30300			
46	135	.08	.04	2.7	.2			27900			
60	134	.03	.02	2.1	.2			28100			
90	133	0.00	.01								
119	132	.06	.04	2.2	.1						
151	131	.04	.04	.9	.0						

NEWP 92 STA 4 CTD 12

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.166	32.187	-1.76	1.166	374.4	108.16	0.050	399.24	25.774	30.477	25.774	0.03	25.774	0.00	0.0
2	1.181	32.180	-1.76	1.181	374.5	108.22	0.054	400.85	25.767	30.469	25.767	-0.02	25.772	0.47	2.0
4	1.228	32.160	-1.76	1.228	375.6	108.65	0.067	406.22	25.748	30.449	25.748	-0.07	25.765	0.94	4.0
6	1.291	32.125	-1.76	1.291	376.7	109.13	0.093	420.75	25.717	30.416	25.717	-0.01	25.754	1.42	6.0
8	1.427	32.088	-1.76	1.427	377.2	109.62	0.106	431.96	25.678	30.374	25.678	-0.30	25.743	1.90	7.9
10	1.400	32.073	-1.76	1.399	380.0	110.36	0.147	433.95	25.668	30.365	25.668	0.01	25.728	2.39	9.9
12	1.161	32.226	-1.77	1.161	382.1	110.42	0.190	446.15	25.805	30.508	25.805	0.41	25.729	2.87	11.9
14	0.779	32.309	-1.78	0.778	386.5	110.65	0.104	125.26	25.895	30.607	25.895	0.36	25.746	3.32	13.9
16	0.689	32.322	-1.78	0.689	382.2	109.16	0.072	136.17	25.910	30.625	25.910	0.03	25.767	3.76	15.9
18	0.593	32.326	-1.78	0.592	376.1	107.13	0.075	100.40	25.919	30.636	25.919	0.07	25.783	4.20	17.8
20	0.462	32.314	-1.78	0.461	374.2	106.22	0.079	86.62	25.915	30.637	25.916	0.01	25.797	4.65	19.8
22	-0.500	32.249	-1.78	-0.501	383.9	106.18	0.067	58.42	25.906	30.656	25.906	0.05	25.807	5.09	21.8
24	-1.276	32.318	-1.79	-1.277	387.8	105.08	0.070	70.16	25.988	30.761	25.988	0.46	25.818	5.52	23.8
26	-1.451	32.309	-1.79	-1.451	386.0	104.09	0.100	65.11	25.985	30.763	25.985	0.05	25.832	5.95	25.8
28	-1.578	32.332	-1.79	-1.578	383.6	103.09	0.060	39.13	26.007	30.789	26.007	0.07	25.844	6.38	27.8
30	-1.599	32.344	-1.79	-1.600	382.0	102.61	0.055	34.57	26.017	30.799	26.017	0.03	25.855	6.80	29.7
32	-1.650	32.344	-1.79	-1.650	380.9	102.19	0.054	31.40	26.018	30.802	26.018	0.11	25.865	7.22	31.7
34	-1.617	32.357	-1.80	-1.618	378.7	101.69	0.057	36.11	26.028	30.811	26.028	0.07	25.875	7.64	33.7
36	-1.535	32.357	-1.80	-1.536	375.0	100.91	0.093	50.94	26.026	30.807	26.026	-0.05	25.883	8.06	35.7
38	-1.604	32.342	-1.80	-1.605	374.9	100.70	0.093	41.93	26.016	30.798	26.016	-0.06	25.890	8.48	37.7
40	-1.656	32.348	-1.80	-1.657	373.2	100.11	0.060	25.38	26.021	30.806	26.022	-0.05	25.897	8.90	39.7
45	-1.729	32.356	-1.80	-1.730	372.4	99.68	0.038	18.64	26.030	30.816	26.030	0.04	25.911	9.95	44.6
50	-1.742	32.359	-1.81	-1.743	374.8	100.29	0.035	15.93	26.033	30.819	26.033	0.05	25.923	11.00	49.6
55	-1.749	32.361	-1.81	-1.749	373.3	99.89	0.033	14.90	26.034	30.821	26.034	0.05	25.933	12.05	54.5
60	-1.753	32.366	-1.82	-1.754	368.7	98.64	0.030	14.17	26.038	30.825	26.038	0.05	25.942	13.09	59.5
65	-1.752	32.373	-1.82	-1.753	368.2	98.51	0.030	13.73	26.044	30.831	26.044	0.07	25.949	14.13	64.4
70	-1.747	32.380	-1.83	-1.748	364.2	97.46	0.032	13.22	26.050	30.837	26.050	0.07	25.956	15.17	69.4
75	-1.732	32.408	-1.83	-1.734	361.1	96.68	0.031	13.59	26.072	30.858	26.072	0.12	25.963	16.21	74.4
80	-1.713	32.458	-1.84	-1.714	357.8	95.90	0.030	14.76	26.112	30.897	26.112	0.17	25.971	17.22	79.3
85	-1.677	32.527	-1.85	-1.678	355.5	95.41	0.031	15.20	26.168	30.951	26.168	0.31	25.981	18.22	84.3
90	-1.641	32.634	-1.86	-1.643	351.0	94.40	0.030	15.34	26.253	31.035	26.254	0.20	25.994	19.18	89.2
95	-1.636	32.713	-1.86	-1.638	347.2	93.44	0.030	21.42	26.318	31.098	26.318	0.23	26.009	20.10	94.2
100	-1.628	32.809	-1.87	-1.630	349.4	94.11	0.035	28.10	26.396	31.175	26.396	0.08	26.026	20.99	99.1
105	-1.614	32.866	-1.88	-1.616	345.5	93.13	0.032	30.82	26.442	31.220	26.442	0.25	26.045	21.85	104.1
110	-1.585	32.984	-1.89	-1.587	342.2	92.41	0.033	22.67	26.537	31.313	26.537	0.27	26.065	22.68	109.0
115	-1.551	33.078	-1.90	-1.553	338.4	91.55	0.031	21.64	26.612	31.386	26.612	0.18	26.087	23.46	114.0
120	-1.526	33.152	-1.91	-1.529	336.0	91.00	0.036	23.84	26.672	31.445	26.672	0.16	26.110	24.21	118.9
125	-1.497	33.221	-1.91	-1.500	332.7	90.24	0.032	23.33	26.727	31.498	26.727	0.20	26.134	24.93	123.9
150	-1.218	33.737	-1.96	-1.222	322.0	88.33	0.031	22.37	27.137	31.896	27.137	0.25	26.266	27.99	148.6
151	-1.186	33.772	-1.97	-1.190	320.7	88.08	0.030	21.20	27.165	31.922	27.165	0.40	26.271	28.09	149.6

NEWP 92 STA 4 CID 13

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.587	32.052	-1.75	1.586	382.9	111.73	0.066	481.49	25.639	30.331	25.639	0.04	25.639	0.00	0.0
2	1.560	32.059	-1.76	1.560	387.4	112.97	0.087	482.46	25.646	30.339	25.646	0.22	25.638	0.50	2.0
4	1.499	32.070	-1.76	1.499	388.2	113.01	0.091	499.30	25.659	30.354	25.659	0.07	25.648	0.99	4.0
6	1.511	32.065	-1.76	1.511	391.4	113.99	0.125	491.63	25.655	30.349	25.655	0.01	25.651	1.48	6.0
8	1.565	32.074	-1.76	1.565	392.4	114.45	0.144	490.72	25.658	30.350	25.658	-0.04	25.652	1.97	7.9
10	1.666	32.035	-1.76	1.666	391.6	114.48	0.147	483.32	25.620	30.310	25.620	-0.12	25.650	2.47	9.9
12	1.219	32.220	-1.77	1.218	398.1	115.19	0.216	509.82	25.797	30.498	25.797	0.75	25.656	2.95	11.9
14	0.709	32.312	-1.78	0.709	404.5	115.58	0.153	120.90	25.901	30.615	25.901	0.35	25.684	3.41	13.9
16	0.642	32.327	-1.78	0.641	396.1	112.99	0.083	105.44	25.917	30.633	25.917	0.07	25.713	3.85	15.9
18	0.599	32.328	-1.78	0.598	387.2	110.33	0.102	102.21	25.920	30.637	25.920	0.06	25.736	4.29	17.9
20	0.370	32.311	-1.78	0.370	382.5	108.31	0.087	87.60	25.918	30.642	25.918	0.08	25.754	4.73	19.8
22	-0.559	32.288	-1.78	-0.560	390.2	107.77	0.069	57.45	25.940	30.691	25.940	0.32	25.769	5.17	21.8
24	-1.253	32.308	-1.79	-1.253	393.9	106.79	0.065	54.34	25.979	30.751	25.979	0.29	25.785	5.60	23.8
26	-1.485	32.329	-1.79	-1.485	393.8	106.10	0.061	44.22	26.003	30.782	26.003	0.13	25.801	6.03	25.8
28	-1.547	32.335	-1.79	-1.548	387.6	104.26	0.072	41.56	26.009	30.790	26.009	0.15	25.815	6.45	27.8
30	-1.557	32.342	-1.79	-1.557	390.4	105.00	0.060	43.41	26.014	30.795	26.014	0.08	25.828	6.88	29.7
32	-1.651	32.338	-1.79	-1.652	388.0	104.07	0.063	34.05	26.014	30.798	26.014	0.10	25.840	7.30	31.7
34	-1.653	32.345	-1.80	-1.653	382.4	102.56	0.083	38.98	26.019	30.803	26.019	0.03	25.851	7.72	33.7
36	-1.689	32.346	-1.80	-1.690	380.6	101.98	0.061	33.09	26.021	30.806	26.021	0.05	25.860	8.14	35.7
38	-1.709	32.347	-1.80	-1.710	379.2	101.55	0.047	29.42	26.022	30.808	26.022	0.05	25.868	8.56	37.7
40	-1.723	32.348	-1.80	-1.723	377.9	101.18	0.061	26.92	26.023	30.809	26.023	0.05	25.876	8.98	39.7
45	-1.744	32.352	-1.80	-1.745	376.0	100.59	0.035	18.42	26.027	30.814	26.027	0.05	25.893	10.03	44.6
50	-1.752	32.355	-1.81	-1.753	372.5	99.65	0.031	16.37	26.029	30.816	26.029	0.05	25.906	11.08	49.6
55	-1.735	32.361	-1.81	-1.736	369.9	99.01	0.032	16.37	26.034	30.821	26.034	0.05	25.918	12.13	54.5
60	-1.727	32.366	-1.82	-1.728	367.7	98.43	0.036	17.69	26.038	30.824	26.038	0.05	25.927	13.18	59.5
65	-1.749	32.366	-1.82	-1.750	365.5	97.79	0.032	14.54	26.039	30.825	26.039	0.04	25.936	14.22	64.4
70	-1.752	32.374	-1.83	-1.753	363.1	97.14	0.030	14.25	26.045	30.832	26.045	0.05	25.944	15.26	69.4
75	-1.745	32.393	-1.83	-1.746	360.5	96.49	0.030	13.95	26.060	30.847	26.060	0.07	25.951	16.30	74.4
80	-1.725	32.437	-1.84	-1.726	357.7	95.83	0.029	14.68	26.096	30.881	26.096	0.11	25.959	17.32	79.3
85	-1.685	32.511	-1.84	-1.687	354.6	95.15	0.030	14.54	26.155	30.939	26.155	0.29	25.969	18.32	84.3
90	-1.655	32.600	-1.85	-1.656	357.3	96.03	0.027	16.51	26.226	31.008	26.226	0.07	25.982	19.29	89.2
95	-1.649	32.668	-1.86	-1.651	355.0	95.46	0.030	22.30	26.282	31.063	26.282	0.18	25.996	20.22	94.2
100	-1.646	32.751	-1.87	-1.648	350.5	94.32	0.039	29.71	26.348	31.129	26.349	0.12	26.012	21.13	99.1
105	-1.618	32.849	-1.88	-1.620	347.9	93.76	0.041	31.55	26.428	31.206	26.428	0.16	26.030	22.00	104.1
110	-1.604	32.927	-1.89	-1.606	344.6	92.96	0.036	27.73	26.491	31.268	26.491	0.16	26.050	22.84	109.0
115	-1.563	33.024	-1.90	-1.565	341.7	92.36	0.032	24.35	26.569	31.344	26.569	0.25	26.070	23.64	114.0
120	-1.542	33.088	-1.90	-1.545	339.0	91.73	0.031	22.52	26.620	31.394	26.620	0.08	26.092	24.42	118.9
125	-1.504	33.193	-1.91	-1.506	335.9	91.07	0.035	25.09	26.704	31.476	26.705	0.14	26.115	25.16	123.9
150	-1.229	33.767	-1.97	-1.233	325.2	89.21	0.029	20.61	27.162	31.920	27.162	0.33	26.249	28.23	148.6
175	-0.299	34.293	-2.01	-0.304	300.9	85.00	0.028	42.52	27.550	32.277	27.551	0.02	26.412	30.17	173.4
200	0.155	34.550	-2.05	0.147	291.6	83.51	0.027	42.67	27.735	32.446	27.735	0.09	26.567	31.48	198.1
225	0.319	34.632	-2.07	0.310	288.9	83.16	0.037	40.53	27.792	32.498	27.792	0.10	26.700	32.52	222.8
250	0.551	34.718	-2.09	0.540	288.5	83.61	0.027	53.97	27.847	32.546	27.848	0.05	26.812	33.43	247.5
275	0.579	34.736	-2.11	0.567	288.0	83.52	0.027	72.90	27.860	32.558	27.861	0.05	26.906	34.26	272.2
300	0.447	34.743	-2.13	0.434	285.6	82.56	0.027	84.01	27.874	32.575	27.874	0.05	26.986	35.07	297.0
325	0.410	34.754	-2.15	0.396	280.1	80.89	0.026	159.77	27.884	32.587	27.885	0.05	27.055	35.84	321.7
330	0.410	34.753	-2.16	0.396	281.0	81.15	0.026	181.46	27.884	32.587	27.885	0.04	27.067	35.99	326.6

NEWP 92 STA 5 CTD 14

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.756	30.594	-1.67	0.756	389.3	109.92	0.084	432.34	24.516	29.243	24.516	0.08	24.516	0.00	0.0
2	0.578	31.353	-1.72	0.577	391.6	110.69	0.072	443.87	25.136	29.862	25.136	4.77	24.683	0.68	2.0
4	0.418	31.430	-1.72	0.418	396.5	111.68	0.078	452.46	25.206	29.936	25.206	0.11	24.941	1.26	4.0
6	0.356	31.442	-1.72	0.356	395.2	111.13	0.107	462.64	25.219	29.950	25.219	0.08	25.032	1.84	6.0
8	0.345	31.442	-1.73	0.345	397.7	111.81	0.123	465.57	25.219	29.951	25.219	0.05	25.079	2.42	7.9
10	0.298	31.449	-1.73	0.298	398.4	111.87	0.144	473.79	25.227	29.960	25.227	0.09	25.108	2.99	9.9
12	0.079	31.463	-1.73	0.079	400.5	111.83	0.173	500.04	25.248	29.988	25.248	0.41	25.129	3.57	11.9
14	-0.215	31.530	-1.74	-0.215	398.7	110.50	0.261	550.51	25.315	30.062	25.315	0.25	25.152	4.13	13.9
16	-0.460	31.605	-1.74	-0.461	403.6	111.20	0.489	559.43	25.385	30.139	25.385	0.62	25.176	4.68	15.9
18	-0.327	31.816	-1.75	-0.328	402.5	111.45	0.410	509.64	25.550	30.299	25.550	0.59	25.209	5.21	17.9
20	-0.580	31.940	-1.76	-0.581	408.0	112.33	0.383	504.84	25.660	30.415	25.660	0.61	25.249	5.71	19.8
22	-0.930	32.025	-1.77	-0.931	412.5	112.57	0.440	442.50	25.740	30.505	25.740	0.21	25.291	6.19	21.8
24	-1.150	32.057	-1.77	-1.150	412.5	111.92	0.629	411.17	25.773	30.544	25.773	0.09	25.330	6.66	23.8
26	-1.178	32.064	-1.77	-1.179	406.5	110.23	0.655	406.47	25.779	30.551	25.779	0.03	25.365	7.13	25.8
28	-1.216	32.086	-1.78	-1.217	403.0	109.17	0.750	397.74	25.798	30.571	25.798	0.20	25.395	7.60	27.8
30	-1.214	32.124	-1.78	-1.215	399.3	108.22	0.550	389.48	25.829	30.602	25.829	0.39	25.423	8.06	29.8
32	-1.178	32.206	-1.79	-1.178	396.6	107.65	0.756	385.32	25.894	30.665	25.894	0.08	25.451	8.51	31.7
34	-1.167	32.205	-1.79	-1.167	394.3	107.05	0.957	390.12	25.893	30.664	25.893	0.06	25.477	8.95	33.7
36	-1.171	32.203	-1.79	-1.172	392.4	106.55	0.658	391.28	25.892	30.662	25.892	0.05	25.500	9.40	35.7
38	-1.171	32.205	-1.79	-1.172	391.3	106.22	0.845	388.66	25.893	30.664	25.893	0.06	25.521	9.84	37.7
40	-1.169	32.210	-1.79	-1.170	400.8	108.82	0.773	392.63	25.897	30.667	25.897	0.06	25.539	10.29	39.7
45	-1.185	32.275	-1.80	-1.186	399.2	108.40	0.504	364.50	25.950	30.721	25.950	0.14	25.582	11.39	44.6
50	-1.357	32.320	-1.81	-1.358	392.9	106.24	0.411	261.10	25.992	30.767	25.992	0.10	25.621	12.46	49.6
55	-1.532	32.340	-1.81	-1.533	382.3	102.88	0.347	119.90	26.013	30.793	26.013	0.06	25.656	13.52	54.5
60	-1.632	32.353	-1.82	-1.633	374.0	100.38	0.079	65.17	26.025	30.808	26.025	0.10	25.686	14.58	59.5
65	-1.659	32.354	-1.82	-1.660	366.9	98.41	0.059	49.61	26.027	30.811	26.027	0.05	25.712	15.63	64.5
70	-1.675	32.357	-1.82	-1.676	361.6	96.94	0.062	32.58	26.030	30.814	26.030	0.04	25.735	16.68	69.4
75	-1.705	32.358	-1.83	-1.707	358.5	96.03	0.041	28.98	26.031	30.816	26.031	0.06	25.754	17.73	74.4
80	-1.699	32.359	-1.83	-1.700	362.6	97.14	0.064	28.83	26.031	30.817	26.031	0.06	25.772	18.77	79.3
85	-1.723	32.362	-1.84	-1.724	360.0	96.38	0.043	26.04	26.034	30.820	26.034	0.04	25.787	19.82	84.3
90	-1.743	32.373	-1.84	-1.745	358.0	95.80	0.059	26.26	26.044	30.831	26.044	0.06	25.801	20.86	89.2
95	-1.730	32.398	-1.85	-1.732	356.6	95.49	0.035	32.73	26.064	30.850	26.064	0.14	25.814	21.90	94.2
100	-1.660	32.497	-1.86	-1.662	352.4	94.61	0.213	47.17	26.143	30.926	26.143	0.15	25.829	22.91	99.1
105	-1.626	32.533	-1.86	-1.628	353.2	94.95	0.067	63.46	26.171	30.953	26.171	0.25	25.844	23.90	104.1
110	-1.445	32.814	-1.88	-1.448	348.7	94.41	0.063	74.39	26.395	31.168	26.395	1.09	25.864	24.82	109.0
115	-1.299	33.202	-1.91	-1.302	340.6	92.87	0.070	67.17	26.706	31.472	26.706	1.31	25.891	25.63	114.0
120	-1.150	33.348	-1.92	-1.153	332.0	90.99	0.055	65.32	26.819	31.579	26.819	0.13	25.929	26.31	119.0
125	-0.934	33.617	-1.94	-0.938	326.9	90.30	0.266	68.07	27.030	31.781	27.030	0.45	25.967	26.94	123.9
150	-0.084	34.458	-2.00	-0.090	296.6	84.36	0.036	43.55	27.673	32.392	27.673	0.17	26.216	28.70	148.6
175	0.137	34.568	-2.03	0.130	289.7	82.96	0.033	40.24	27.750	32.462	27.751	0.14	26.429	29.87	173.4
200	0.366	34.685	-2.06	0.358	283.8	81.83	0.045	52.72	27.832	32.536	27.832	0.03	26.602	30.79	198.1
225	0.363	34.747	-2.08	0.354	284.3	81.99	0.081	94.26	27.882	32.585	27.882	0.04	26.742	31.60	222.8
238	0.365	34.753	-2.09	0.355	283.8	81.87	0.043	101.30	27.886	32.590	27.887	0.04	26.805	31.99	235.7

NEWP 92 STA 6 CTD 15

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.217	31.079	-1.70	0.217	399.7	111.69	0.064	316.04	24.932	29.671	24.932	0.03	24.933	0.00	0.0
2	0.233	31.081	-1.70	0.233	400.5	111.94	0.063	315.32	24.933	29.672	24.933	0.05	24.932	0.63	2.0
4	0.005	31.110	-1.70	0.005	412.8	114.73	0.053	329.76	24.967	29.711	24.967	0.36	24.938	1.26	4.0
6	0.202	31.108	-1.71	0.202	408.8	114.20	0.049	322.53	24.957	29.696	24.957	0.05	24.947	1.89	6.0
8	-0.277	31.128	-1.71	-0.277	414.6	114.36	0.049	349.63	24.993	29.745	24.993	1.17	24.949	2.52	7.9
10	-0.257	31.394	-1.72	-0.257	411.0	113.67	0.064	362.71	25.205	29.955	25.205	2.22	24.983	3.11	9.9
12	0.528	31.674	-1.74	0.528	403.5	114.20	0.042	186.55	25.397	30.121	25.397	1.22	25.041	3.67	11.9
14	-0.700	31.946	-1.76	-0.700	417.9	114.68	0.122	448.71	25.669	30.427	25.669	1.12	25.113	4.18	13.9
16	-1.068	32.079	-1.77	-1.068	421.9	114.75	0.335	524.12	25.788	30.556	25.788	0.41	25.192	4.66	15.9
18	-1.157	32.116	-1.77	-1.157	426.8	115.84	0.421	526.41	25.820	30.591	25.820	0.13	25.260	5.12	17.9
20	-1.233	32.141	-1.77	-1.233	428.3	116.02	0.745	542.95	25.843	30.616	25.843	0.15	25.318	5.58	19.8
22	-1.301	32.164	-1.78	-1.301	426.0	115.22	0.684	535.70	25.864	30.638	25.864	0.17	25.366	6.03	21.8
24	-1.346	32.182	-1.78	-1.347	427.0	115.36	1.345	537.03	25.879	30.655	25.879	0.08	25.409	6.48	23.8
26	-1.364	32.195	-1.78	-1.365	423.1	114.27	1.230	529.87	25.891	30.667	25.891	0.08	25.445	6.93	25.8
28	-1.389	32.209	-1.78	-1.389	418.2	112.86	1.372	461.24	25.903	30.680	25.903	0.06	25.478	7.37	27.8
30	-1.392	32.220	-1.79	-1.392	414.2	111.79	1.449	418.04	25.912	30.689	25.912	0.14	25.506	7.81	29.8
32	-1.419	32.232	-1.79	-1.420	407.7	109.95	0.923	391.95	25.922	30.699	25.922	0.10	25.532	8.25	31.7
34	-1.469	32.261	-1.79	-1.470	402.5	108.43	0.582	257.72	25.947	30.726	25.947	0.16	25.556	8.69	33.7
36	-1.457	32.279	-1.79	-1.457	398.3	107.36	0.496	244.51	25.961	30.740	25.961	0.11	25.578	9.13	35.7
38	-1.427	32.291	-1.80	-1.428	391.9	105.73	0.492	206.33	25.970	30.748	25.970	0.02	25.598	9.56	37.7
40	-1.549	32.299	-1.80	-1.550	387.7	104.26	0.294	164.79	25.979	30.761	25.979	0.12	25.617	9.99	39.7
45	-1.597	32.317	-1.80	-1.598	379.2	101.84	0.377	127.47	25.996	30.778	25.996	0.07	25.658	11.06	44.6
50	-1.654	32.333	-1.81	-1.654	378.1	101.41	0.124	88.72	26.010	30.794	26.010	0.06	25.693	12.12	49.6
55	-1.667	32.343	-1.81	-1.668	373.1	100.04	0.058	76.40	26.018	30.803	26.018	0.06	25.722	13.17	54.5
60	-1.704	32.351	-1.82	-1.705	365.0	97.77	0.175	66.59	26.025	30.811	26.025	0.06	25.747	14.22	59.5
65	-1.721	32.357	-1.82	-1.722	363.9	97.42	0.042	51.61	26.030	30.816	26.030	0.06	25.769	15.27	64.5
70	-1.721	32.365	-1.82	-1.722	360.2	96.44	0.041	52.05	26.037	30.823	26.037	0.08	25.788	16.32	69.4
75	-1.712	32.388	-1.83	-1.714	361.2	96.76	0.117	60.20	26.056	30.841	26.056	0.11	25.805	17.36	74.4
80	-1.722	32.431	-1.84	-1.724	361.2	96.75	0.044	56.86	26.091	30.876	26.091	0.08	25.821	18.39	79.3
85	-1.692	32.487	-1.84	-1.693	358.7	96.21	0.037	57.45	26.135	30.919	26.135	0.22	25.838	19.40	84.3
90	-1.618	32.596	-1.85	-1.620	354.7	95.40	0.041	50.57	26.222	31.003	26.222	0.25	25.856	20.38	89.2
95	-1.603	32.669	-1.86	-1.604	351.2	94.56	0.042	49.76	26.281	31.060	26.281	0.11	25.877	21.31	94.2
100	-1.542	32.784	-1.87	-1.544	350.2	94.54	0.046	49.02	26.373	31.150	26.373	0.09	25.900	22.22	99.1
105	-1.519	32.826	-1.88	-1.521	346.5	93.63	0.050	52.20	26.407	31.183	26.407	0.15	25.923	23.09	104.1
110	-1.484	32.891	-1.88	-1.486	342.7	92.73	0.040	51.31	26.459	31.233	26.459	0.40	25.946	23.95	109.0
115	-1.333	33.026	-1.90	-1.336	338.7	92.12	0.057	83.04	26.564	31.332	26.564	0.13	25.971	24.75	114.0
120	-1.288	33.119	-1.90	-1.290	336.8	91.80	0.049	80.87	26.638	31.404	26.638	0.17	25.997	25.52	118.9
125	-1.139	33.378	-1.92	-1.142	331.2	90.82	0.057	68.96	26.844	31.603	26.844	0.16	26.027	26.22	123.9
150	-0.610	34.091	-1.98	-0.615	313.8	87.75	0.043	57.01	27.401	32.139	27.402	0.10	26.198	28.96	148.6
175	-0.113	34.442	-2.02	-0.120	298.2	84.73	0.034	46.88	27.662	32.382	27.662	0.18	26.390	30.54	173.4
200	0.210	34.622	-2.05	0.202	292.7	84.00	0.036	66.21	27.790	32.499	27.790	0.08	26.558	31.64	198.1
225	0.415	34.727	-2.08	0.405	288.5	83.32	0.035	62.27	27.862	32.565	27.863	0.04	26.699	32.53	222.8
250	0.398	34.767	-2.10	0.388	286.5	82.71	0.045	108.29	27.896	32.599	27.897	0.04	26.817	33.30	247.5
260	0.398	34.771	-2.11	0.387	283.4	81.84	0.040	110.07	27.899	32.602	27.900	0.06	26.859	33.59	257.4

NEWP 92 STA 7 CTD 16

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.619	32.133	-1.76	1.619	411.6	120.25	0.198	709.87	25.701	30.392	25.701	0.20	25.699	0.00	0.0
2	1.135	32.173	-1.76	1.135	427.4	123.35	0.506	758.88	25.764	30.468	25.764	-0.15	25.743	0.47	2.0
4	0.262	32.240	-1.77	0.262	445.3	125.68	0.618	911.02	25.866	30.594	25.866	1.03	25.769	0.94	4.0
6	-0.968	32.277	-1.77	-0.968	462.1	126.24	2.022	999.11	25.945	30.709	25.945	0.47	25.815	1.38	5.9
8	-0.869	32.331	-1.78	-0.869	463.3	126.94	1.227	547.17	25.986	30.746	25.986	0.02	25.856	1.81	7.9
10	-1.325	32.313	-1.78	-1.325	462.4	125.12	1.105	372.92	25.985	30.759	25.985	0.36	25.881	2.24	9.9
12	-1.405	32.342	-1.78	-1.405	442.5	119.50	0.533	269.29	26.011	30.787	26.011	0.05	25.901	2.67	11.9
14	-1.519	32.342	-1.78	-1.519	417.2	112.31	0.190	50.50	26.014	30.794	26.014	0.10	25.917	3.09	13.9
16	-1.571	32.345	-1.78	-1.572	401.6	107.96	0.061	28.39	26.017	30.799	26.017	0.05	25.929	3.51	15.9
18	-1.568	32.348	-1.78	-1.568	392.2	105.44	0.055	31.26	26.020	30.801	26.020	0.08	25.939	3.93	17.8
20	-1.576	32.347	-1.79	-1.577	385.0	103.47	0.096	29.71	26.019	30.801	26.019	0.06	25.947	4.35	19.8
22	-1.596	32.349	-1.79	-1.597	382.1	102.64	0.076	26.48	26.021	30.803	26.021	0.05	25.954	4.77	21.8
24	-1.614	32.351	-1.79	-1.614	385.8	103.61	0.054	25.97	26.023	30.806	26.023	0.06	25.960	5.20	23.8
26	-1.573	32.356	-1.79	-1.574	381.2	102.48	0.045	29.49	26.027	30.808	26.027	0.05	25.965	5.62	25.8
28	-1.590	32.353	-1.79	-1.591	380.9	102.35	0.045	24.87	26.025	30.807	26.025	0.06	25.969	6.04	27.8
30	-1.629	32.351	-1.79	-1.630	382.0	102.55	0.080	26.56	26.024	30.807	26.024	0.07	25.973	6.46	29.7
32	-1.653	32.353	-1.79	-1.654	378.3	101.48	0.044	20.76	26.026	30.809	26.026	0.06	25.976	6.88	31.7
34	-1.659	32.356	-1.80	-1.660	379.5	101.78	0.043	22.15	26.028	30.813	26.028	0.05	25.979	7.30	33.7
36	-1.683	32.354	-1.80	-1.684	376.9	101.01	0.053	24.79	26.027	30.812	26.027	0.01	25.982	7.72	35.7
38	-1.732	32.354	-1.80	-1.733	378.5	101.30	0.042	20.91	26.028	30.815	26.028	0.07	25.984	8.14	37.7
40	-1.742	32.356	-1.80	-1.742	374.7	100.27	0.043	18.05	26.030	30.817	26.030	0.06	25.986	8.56	39.7
45	-1.731	32.360	-1.80	-1.732	369.2	98.82	0.039	14.76	26.033	30.820	26.033	0.06	25.991	9.60	44.6
50	-1.704	32.365	-1.81	-1.705	367.6	98.49	0.054	15.64	26.036	30.822	26.037	0.04	25.996	10.65	49.6
55	-1.720	32.365	-1.81	-1.721	366.7	98.18	0.040	14.68	26.037	30.823	26.037	0.06	25.999	11.69	54.5
60	-1.733	32.366	-1.82	-1.734	360.1	96.39	0.040	13.59	26.038	30.825	26.038	0.05	26.003	12.74	59.5
65	-1.752	32.367	-1.82	-1.753	367.1	98.21	0.039	13.15	26.039	30.826	26.039	0.06	26.005	13.78	64.4
70	-1.756	32.371	-1.83	-1.757	362.4	96.95	0.039	13.00	26.043	30.830	26.043	0.06	26.008	14.83	69.4
75	-1.753	32.393	-1.83	-1.754	358.3	95.88	0.038	13.44	26.061	30.847	26.061	0.07	26.011	15.86	74.3
80	-1.739	32.433	-1.84	-1.740	353.4	94.62	0.038	14.32	26.093	30.879	26.093	0.12	26.015	16.89	79.3
85	-1.708	32.517	-1.84	-1.710	352.6	94.56	0.038	14.98	26.160	30.944	26.160	0.24	26.021	17.89	84.3
90	-1.659	32.634	-1.86	-1.661	354.3	95.22	0.038	16.44	26.254	31.035	26.254	0.17	26.031	18.85	89.2
95	-1.638	32.709	-1.86	-1.640	349.0	93.92	0.039	17.03	26.314	31.094	26.314	0.16	26.044	19.78	94.2
100	-1.619	32.774	-1.87	-1.621	345.1	92.95	0.039	16.88	26.367	31.146	26.367	0.08	26.059	20.67	99.1
105	-1.588	32.908	-1.88	-1.590	340.2	91.81	0.039	17.25	26.475	31.252	26.475	0.31	26.076	21.53	104.1
110	-1.568	33.013	-1.89	-1.570	339.6	91.76	0.042	17.68	26.560	31.335	26.560	0.30	26.096	22.35	109.0
115	-1.493	33.177	-1.90	-1.496	336.5	91.25	0.040	19.81	26.691	31.463	26.691	0.17	26.119	23.10	114.0
120	-1.482	33.300	-1.91	-1.484	334.5	90.80	0.039	19.37	26.790	31.561	26.790	0.30	26.145	23.80	118.9
125	-1.456	33.389	-1.92	-1.459	331.9	90.24	0.038	19.66	26.862	31.631	26.862	0.16	26.173	24.46	123.9
150	-0.162	34.409	-2.00	-0.167	302.1	85.72	0.040	42.00	27.637	32.359	27.637	0.15	26.356	26.67	148.6
175	0.008	34.551	-2.03	0.002	291.3	83.10	0.043	49.98	27.744	32.459	27.744	0.06	26.548	27.86	173.3
200	0.315	34.683	-2.06	0.307	287.3	82.71	0.038	58.05	27.833	32.539	27.833	0.07	26.702	28.86	198.1
222	0.364	34.719	-2.07	0.355	284.7	82.11	0.038	86.32	27.860	32.564	27.860	0.03	26.816	29.59	219.8

NEWP 92 STA 8 CTD 17

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.724	29.789	-1.63	1.724	353.1	101.63	0.042	54.34	23.817	28.524	23.817	0.27	23.813	0.00	0.0
2	1.457	30.022	-1.64	1.457	356.0	101.95	0.045	63.46	24.019	28.731	24.019	0.95	23.894	0.84	2.0
4	0.618	30.508	-1.67	0.618	359.6	101.10	0.062	72.38	24.454	29.185	24.454	4.82	24.017	1.62	4.0
6	0.286	30.980	-1.70	0.286	369.3	103.30	0.060	95.77	24.850	29.587	24.850	1.09	24.256	2.29	6.0
8	-0.105	31.302	-1.72	-0.105	383.9	106.52	0.068	167.42	25.126	29.872	25.126	2.62	24.441	2.91	7.9
10	-1.003	31.962	-1.76	-1.003	400.6	109.05	0.289	416.59	25.691	30.459	25.691	0.80	24.656	3.43	9.9
12	-0.999	31.965	-1.76	-1.000	400.5	109.05	0.213	334.74	25.694	30.461	25.694	-0.10	24.832	3.91	11.9
14	-1.084	32.034	-1.76	-1.085	405.2	110.13	0.371	388.55	25.753	30.522	25.753	0.48	24.958	4.39	13.9
16	-1.001	31.970	-1.76	-1.002	406.1	110.56	0.238	329.77	25.698	30.465	25.698	0.00	25.055	4.87	15.9
18	-1.252	32.107	-1.77	-1.252	409.8	110.93	0.804	576.89	25.816	30.590	25.816	0.71	25.131	5.34	17.9
20	-1.373	32.164	-1.77	-1.373	411.2	110.98	0.656	238.31	25.866	30.643	25.866	0.17	25.203	5.80	19.8
22	-1.459	32.185	-1.78	-1.459	409.2	110.20	0.410	138.68	25.884	30.664	25.884	0.14	25.264	6.25	21.8
24	-1.572	32.205	-1.78	-1.573	402.4	108.04	0.144	79.32	25.904	30.687	25.904	0.23	25.316	6.69	23.8
26	-1.609	32.232	-1.78	-1.609	397.3	106.60	0.079	62.64	25.927	30.710	25.927	0.11	25.362	7.13	25.8
28	-1.523	32.275	-1.79	-1.523	389.1	104.68	0.113	232.54	25.960	30.740	25.960	0.14	25.404	7.57	27.8
30	-1.605	32.278	-1.79	-1.606	385.3	103.43	0.402	237.32	25.964	30.747	25.964	0.28	25.441	8.00	29.8
32	-1.621	32.299	-1.79	-1.621	383.4	102.90	0.229	167.02	25.981	30.764	25.981	0.15	25.474	8.43	31.7
34	-1.514	32.319	-1.79	-1.514	379.7	102.22	0.657	293.57	25.995	30.775	25.995	0.12	25.504	8.86	33.7
36	-1.405	32.330	-1.80	-1.405	376.0	101.54	0.732	356.22	26.001	30.778	26.001	0.15	25.531	9.29	35.7
38	-1.415	32.316	-1.80	-1.416	376.4	101.59	0.653	311.25	25.990	30.767	25.990	-0.04	25.556	9.71	37.7
40	-1.533	32.333	-1.80	-1.534	378.0	101.73	0.476	200.65	26.007	30.787	26.007	-0.04	25.578	10.14	39.7
45	-1.607	32.344	-1.80	-1.608	371.9	99.89	0.115	71.75	26.018	30.800	26.018	0.04	25.627	11.19	44.6
50	-1.711	32.357	-1.81	-1.711	370.0	99.09	0.060	45.70	26.030	30.816	26.030	0.08	25.666	12.24	49.6
55	-1.718	32.364	-1.81	-1.719	372.6	99.77	0.054	43.63	26.036	30.822	26.036	0.05	25.700	13.29	54.5
60	-1.746	32.372	-1.82	-1.747	368.6	98.64	0.065	32.14	26.043	30.830	26.043	0.08	25.728	14.34	59.5
65	-1.737	32.395	-1.82	-1.738	364.8	97.65	0.054	38.76	26.061	30.847	26.061	0.10	25.753	15.37	64.5
70	-1.719	32.453	-1.83	-1.720	361.3	96.81	0.053	31.40	26.108	30.893	26.108	0.31	25.776	16.40	69.4
75	-1.679	32.515	-1.84	-1.680	358.1	96.10	0.052	34.35	26.158	30.941	26.158	0.17	25.800	17.39	74.4
80	-1.670	32.556	-1.84	-1.672	354.5	95.20	0.053	30.30	26.191	30.974	26.191	0.13	25.824	18.36	79.3
85	-1.616	32.639	-1.85	-1.617	350.4	94.30	0.060	56.34	26.257	31.037	26.257	0.17	25.847	19.32	84.3
90	-1.590	32.703	-1.86	-1.591	351.8	94.79	0.052	53.90	26.309	31.088	26.309	0.23	25.872	20.24	89.2
95	-1.547	32.825	-1.87	-1.549	346.8	93.64	0.055	50.42	26.406	31.183	26.406	0.22	25.897	21.13	94.2
100	-1.540	32.938	-1.88	-1.542	343.9	92.94	0.050	44.37	26.498	31.273	26.498	0.14	25.925	21.97	99.1
105	-1.482	33.064	-1.89	-1.484	338.9	91.82	0.053	41.27	26.599	31.371	26.599	0.24	25.955	22.76	104.1
110	-1.411	33.207	-1.90	-1.414	336.8	91.55	0.052	46.58	26.713	31.482	26.713	0.22	25.987	23.51	109.0
115	-1.323	33.407	-1.92	-1.325	332.7	90.78	0.054	40.09	26.873	31.637	26.873	0.44	26.021	24.18	114.0
120	-1.061	33.660	-1.94	-1.064	328.8	90.53	0.083	39.06	27.069	31.824	27.070	0.31	26.061	24.77	118.9
125	-0.835	33.859	-1.95	-0.838	324.5	90.04	0.051	42.08	27.223	31.969	27.223	0.46	26.104	25.27	123.9
150	-0.112	34.397	-2.00	-0.117	301.3	85.59	0.047	48.94	27.625	32.345	27.625	0.05	26.331	27.04	148.6
175	0.176	34.570	-2.03	0.170	293.1	84.01	0.043	60.79	27.750	32.461	27.750	0.07	26.525	28.25	173.4
200	0.257	34.612	-2.05	0.249	283.4	81.44	0.044	82.89	27.779	32.487	27.780	0.05	26.681	29.28	198.1
208	0.270	34.617	-2.06	0.262	283.5	81.49	0.045	101.18	27.782	32.490	27.783	0.06	26.723	29.60	206.0

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
9	18	24 JUL 92	0522	80 28.96	-14 29.27	324		29

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_D02 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	213	.646	31.452	.646	25.212		426.8	.18	.02	.02	.60	2.34
9	212	.644	32.084	.644	25.721		437.1	.31	.02	.02	.62	3.68
20	211	.317	32.389	.317	25.984		396.7	1.34	.03	.02	.78	7.96
30	210	-1.525	32.336	-1.525	26.009		370.7	3.66	.02	.03	.93	10.64
39	209	-1.618	32.348	-1.618	26.021		366.8	4.17	.02	.03	.95	10.98
60	208	-1.734	32.366	-1.735	26.038		364.4	4.56	.02	.04	.96	11.51
90	207	-1.677	32.591	-1.679	26.220		351.8	5.85	.02	.01	.94	12.06
110	206	-1.486	32.963	-1.488	26.517		337.9	7.63	.02	.01	.89	11.93
150	205	-.334	34.245	-.339	27.513		296.0	12.69	.02	.02	.86	11.24
201	204	.277	34.605	.269	27.773		287.5	13.61	.01	.01	.85	11.56
251	203	.424	34.719	.413	27.856	34.725	285.5	13.82	.02	.01	.88	11.57

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	213	1.38	.23								
9	212	3.52	.68								
20	211	6.46	.71								
30	210	2.14	.15								
39	209	4.52	3.29								
60	208	.24	.09								
90	207	.32	.10								
110	206	.10	.16								
150	205	.12	.09								
201	204	.04	.06								
251	203								2.150	1.897	11.90

NEWP 92 STA 9 CTD 18

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.845	31.791	-1.74	0.845	389.0	111.09	0.327	443.17	25.474	30.189	25.474	0.17	25.472	0.00	0.0
2	0.580	31.883	-1.75	0.580	389.9	110.67	0.384	415.87	25.562	30.284	25.562	0.34	25.507	0.52	2.0
4	-0.595	32.214	-1.77	-0.595	394.4	108.76	0.340	273.73	25.882	30.635	25.882	1.43	25.594	1.01	4.0
6	-0.573	32.239	-1.77	-0.574	399.3	110.20	0.374	288.54	25.901	30.653	25.901	-0.04	25.700	1.45	6.0
8	-0.993	32.286	-1.77	-0.993	401.2	109.52	0.266	219.89	25.954	30.718	25.954	0.63	25.756	1.89	7.9
10	0.075	32.203	-1.77	0.074	386.2	108.43	0.337	425.23	25.845	30.579	25.845	-0.25	25.790	2.33	9.9
12	-0.389	32.211	-1.77	-0.389	397.7	110.27	0.501	370.76	25.872	30.619	25.872	0.05	25.801	2.78	11.9
14	-0.192	32.221	-1.77	-0.192	400.2	111.59	0.535	416.46	25.872	30.612	25.872	-0.12	25.811	3.23	13.9
16	-0.203	32.228	-1.78	-0.204	401.0	111.77	0.598	410.16	25.878	30.619	25.878	-0.14	25.820	3.68	15.9
18	0.085	32.190	-1.77	0.084	394.4	110.74	0.643	442.60	25.834	30.567	25.834	0.06	25.823	4.14	17.8
20	-0.370	32.267	-1.78	-0.371	400.2	111.08	0.443	414.47	25.916	30.662	25.916	0.59	25.827	4.59	19.8
22	-1.292	32.312	-1.78	-1.292	407.5	110.38	0.296	84.03	25.983	30.756	25.983	0.26	25.838	5.02	21.8
24	-1.537	32.323	-1.79	-1.537	400.7	107.82	0.169	71.64	25.999	30.779	25.999	0.08	25.851	5.45	23.8
26	-1.635	32.327	-1.79	-1.636	392.1	105.21	0.166	60.65	26.004	30.788	26.004	0.05	25.863	5.87	25.8
28	-1.664	32.330	-1.79	-1.664	386.4	103.60	0.150	50.50	26.008	30.792	26.008	0.06	25.873	6.30	27.8
30	-1.625	32.336	-1.79	-1.625	382.5	102.67	0.206	49.98	26.011	30.795	26.011	0.07	25.882	6.72	29.7
32	-1.646	32.335	-1.79	-1.646	379.5	101.80	0.127	45.92	26.011	30.795	26.011	0.04	25.890	7.14	31.7
34	-1.638	32.339	-1.80	-1.639	378.1	101.44	0.122	36.33	26.014	30.798	26.014	0.05	25.897	7.57	33.7
36	-1.641	32.340	-1.80	-1.642	375.4	100.72	0.111	29.05	26.015	30.799	26.015	0.04	25.904	7.99	35.7
38	-1.698	32.338	-1.80	-1.699	373.4	100.01	0.165	55.96	26.015	30.800	26.015	0.09	25.910	8.41	37.7
40	-1.630	32.346	-1.80	-1.630	371.7	99.77	0.088	30.08	26.020	30.803	26.020	0.06	25.915	8.83	39.7
45	-1.740	32.342	-1.80	-1.741	380.0	101.68	0.068	19.44	26.019	30.806	26.019	0.13	25.927	9.88	44.6
50	-1.767	32.352	-1.81	-1.768	376.3	100.63	0.044	17.47	26.028	30.815	26.028	0.06	25.937	10.94	49.6
55	-1.738	32.361	-1.81	-1.738	373.1	99.85	0.064	26.56	26.034	30.820	26.034	0.04	25.945	11.98	54.5
60	-1.711	32.371	-1.82	-1.712	371.4	99.47	0.051	30.08	26.041	30.827	26.041	0.05	25.953	13.03	59.5
65	-1.750	32.379	-1.82	-1.751	368.4	98.59	0.046	22.30	26.049	30.836	26.049	0.07	25.960	14.07	64.4
70	-1.746	32.396	-1.83	-1.747	364.9	97.66	0.050	22.52	26.063	30.849	26.063	0.09	25.967	15.10	69.4
75	-1.733	32.417	-1.83	-1.734	362.1	96.95	0.051	25.53	26.080	30.866	26.080	0.14	25.973	16.13	74.4
80	-1.711	32.458	-1.84	-1.712	359.2	96.28	0.047	28.69	26.112	30.897	26.112	0.09	25.981	17.15	79.3
85	-1.709	32.507	-1.84	-1.711	355.8	95.40	0.045	22.89	26.152	30.937	26.152	0.13	25.990	18.15	84.3
90	-1.681	32.583	-1.85	-1.682	351.7	94.45	0.046	22.74	26.213	30.996	26.213	0.19	26.001	19.12	89.2
95	-1.650	32.651	-1.86	-1.652	347.7	93.49	0.061	26.41	26.267	31.049	26.268	0.19	26.013	20.06	94.2
100	-1.627	32.745	-1.87	-1.629	351.4	94.62	0.047	27.59	26.343	31.123	26.343	0.15	26.028	20.98	99.1
105	-1.585	32.834	-1.88	-1.587	348.2	93.93	0.046	24.50	26.414	31.192	26.414	0.13	26.044	21.86	104.1
110	-1.504	32.950	-1.89	-1.506	341.3	92.34	0.049	32.14	26.507	31.281	26.507	0.24	26.063	22.69	109.0
115	-1.421	33.115	-1.90	-1.423	332.6	90.31	0.047	37.22	26.639	31.409	26.639	0.24	26.085	23.48	114.0
120	-1.315	33.305	-1.92	-1.318	330.0	90.01	0.050	39.35	26.790	31.555	26.790	0.29	26.111	24.20	118.9
125	-1.193	33.449	-1.93	-1.196	326.8	89.52	0.055	39.79	26.903	31.663	26.903	0.33	26.141	24.84	123.9
150	-0.344	34.254	-1.99	-0.349	303.1	85.47	0.046	46.14	27.521	32.249	27.521	0.17	26.324	27.13	148.6
175	0.042	34.491	-2.03	0.035	292.5	83.49	0.044	42.96	27.693	32.408	27.694	0.15	26.509	28.52	173.4
200	0.255	34.599	-2.05	0.247	287.9	82.70	0.043	42.45	27.768	32.477	27.769	0.07	26.662	29.64	198.1
225	0.433	34.677	-2.07	0.424	287.9	83.14	0.042	49.02	27.822	32.524	27.822	0.05	26.788	30.60	222.8
250	0.425	34.715	-2.09	0.414	287.7	83.08	0.045	63.39	27.852	32.555	27.853	0.05	26.893	31.47	247.5
275	0.411	34.755	-2.12	0.400	286.2	82.66	0.044	87.45	27.885	32.588	27.886	0.05	26.982	32.25	272.2
300	0.418	34.758	-2.13	0.405	285.8	82.56	0.044	95.60	27.888	32.590	27.888	0.04	27.058	33.00	296.9
324	0.419	34.760	-2.15	0.405	276.2	79.79	0.044	107.32	27.889	32.591	27.890	0.04	27.119	33.73	320.7

NEWP 92 STA 10 CTD 19

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.638	32.288	-1.77	1.638	381.2	111.56	0.355	387.49	25.824	30.513	25.824	0.07	25.824	0.00	0.0
2	1.450	32.291	-1.77	1.449	383.9	111.81	0.386	403.93	25.839	30.533	25.839	0.11	25.831	0.46	2.0
4	1.376	32.297	-1.77	1.376	385.4	112.05	0.383	419.27	25.849	30.545	25.849	0.07	25.838	0.91	4.0
6	0.811	32.286	-1.77	0.810	392.9	112.53	0.476	507.89	25.875	30.586	25.875	0.24	25.845	1.37	5.9
8	0.334	32.298	-1.77	0.334	401.6	113.61	0.218	173.07	25.909	30.634	25.909	0.15	25.857	1.81	7.9
10	0.041	32.304	-1.78	0.041	403.6	113.30	0.089	74.99	25.928	30.662	25.928	0.11	25.870	2.25	9.9
12	-0.747	32.294	-1.78	-0.747	405.1	111.35	0.080	57.82	25.952	30.709	25.952	0.23	25.881	2.69	11.9
14	-1.247	32.309	-1.78	-1.247	404.7	109.73	0.066	46.36	25.980	30.752	25.980	0.14	25.893	3.12	13.9
16	-1.441	32.315	-1.78	-1.442	405.1	109.28	0.066	40.90	25.990	30.767	25.990	0.10	25.905	3.55	15.9
18	-1.508	32.320	-1.78	-1.508	400.0	107.71	0.064	50.19	25.995	30.775	25.995	0.04	25.915	3.98	17.8
20	-1.582	32.322	-1.78	-1.582	395.4	106.25	0.061	31.70	25.999	30.781	25.999	0.06	25.923	4.40	19.8
22	-1.645	32.326	-1.79	-1.645	394.1	105.73	0.062	29.42	26.003	30.787	26.003	0.08	25.930	4.83	21.8
24	-1.654	32.329	-1.79	-1.654	391.0	104.85	0.059	28.17	26.006	30.790	26.006	0.05	25.936	5.25	23.8
26	-1.668	32.329	-1.79	-1.669	386.9	103.72	0.060	27.58	26.007	30.791	26.007	0.06	25.942	5.67	25.8
28	-1.684	32.331	-1.79	-1.685	384.1	102.93	0.061	25.60	26.008	30.793	26.008	0.06	25.946	6.10	27.8
30	-1.688	32.331	-1.79	-1.688	385.2	103.21	0.055	21.64	26.009	30.794	26.009	0.05	25.951	6.52	29.7
32	-1.689	32.337	-1.79	-1.689	384.9	103.12	0.055	20.39	26.013	30.799	26.013	0.04	25.955	6.94	31.7
34	-1.695	32.341	-1.80	-1.696	382.4	102.44	0.052	18.20	26.017	30.802	26.017	0.05	25.958	7.37	33.7
36	-1.704	32.343	-1.80	-1.705	379.7	101.70	0.053	18.56	26.019	30.805	26.019	0.06	25.961	7.79	35.7
38	-1.700	32.345	-1.80	-1.701	378.2	101.30	0.052	19.08	26.020	30.806	26.020	0.05	25.964	8.21	37.7
40	-1.596	32.348	-1.80	-1.596	376.2	101.07	0.490	273.90	26.021	30.803	26.021	-0.02	25.968	8.63	39.7
45	-1.710	32.353	-1.80	-1.710	376.1	100.72	0.056	16.07	26.027	30.813	26.027	0.04	25.974	9.68	44.6
50	-1.747	32.358	-1.81	-1.748	370.7	99.19	0.049	15.34	26.032	30.819	26.032	0.08	25.979	10.73	49.6
55	-1.737	32.364	-1.81	-1.737	369.6	98.93	0.048	14.10	26.036	30.823	26.036	0.06	25.984	11.77	54.5
60	-1.753	32.367	-1.82	-1.754	368.8	98.66	0.047	14.83	26.040	30.826	26.040	0.05	25.989	12.82	59.5
65	-1.752	32.377	-1.82	-1.753	365.4	97.76	0.048	14.68	26.048	30.834	26.048	0.08	25.993	13.86	64.4
70	-1.749	32.386	-1.83	-1.750	370.8	99.22	0.046	14.61	26.054	30.841	26.054	0.07	25.997	14.90	69.4
75	-1.737	32.400	-1.83	-1.739	363.1	97.20	0.047	12.64	26.066	30.852	26.066	0.10	26.001	15.93	74.3
80	-1.731	32.426	-1.84	-1.732	362.5	97.09	0.046	14.47	26.087	30.872	26.087	0.07	26.006	16.96	79.3
85	-1.714	32.473	-1.84	-1.715	358.7	96.15	0.047	18.20	26.125	30.910	26.125	0.10	26.012	17.97	84.3
90	-1.663	32.580	-1.85	-1.665	354.8	95.31	0.048	13.15	26.210	30.993	26.210	0.30	26.020	18.95	89.2
95	-1.634	32.682	-1.86	-1.635	351.5	94.56	0.048	14.83	26.293	31.073	26.293	0.20	26.033	19.88	94.2
100	-1.604	32.778	-1.87	-1.606	352.6	95.02	0.049	17.17	26.370	31.148	26.370	0.18	26.048	20.78	99.1
105	-1.573	32.883	-1.88	-1.575	347.4	93.77	0.048	16.81	26.454	31.231	26.454	0.39	26.065	21.65	104.1
110	-1.545	32.996	-1.89	-1.547	343.5	92.86	0.047	17.54	26.545	31.320	26.545	0.18	26.085	22.46	109.0
115	-1.532	33.132	-1.90	-1.534	340.4	92.18	0.048	16.44	26.655	31.428	26.655	0.37	26.107	23.23	114.0
120	-1.458	33.333	-1.92	-1.461	338.1	91.87	0.048	17.47	26.817	31.586	26.817	0.24	26.133	23.94	118.9
125	-1.388	33.488	-1.93	-1.391	335.1	91.34	0.048	18.42	26.941	31.706	26.941	0.36	26.163	24.57	123.9
150	-0.548	34.114	-1.98	-0.553	312.9	87.66	0.046	39.87	27.417	32.153	27.417	0.16	26.330	27.04	148.6
175	0.027	34.470	-2.02	0.021	295.9	84.41	0.044	45.69	27.677	32.393	27.678	0.09	26.507	28.55	173.4
200	0.271	34.601	-2.05	0.263	291.2	83.70	0.045	39.87	27.769	32.477	27.770	0.09	26.660	29.69	198.1
225	0.427	34.679	-2.07	0.418	290.7	83.93	0.045	50.50	27.823	32.526	27.823	0.08	26.786	30.65	222.8
250	0.440	34.727	-2.10	0.430	289.6	83.67	0.046	73.79	27.861	32.563	27.861	0.07	26.892	31.51	247.5
275	0.414	34.755	-2.12	0.403	289.3	83.56	0.045	92.68	27.885	32.588	27.886	0.05	26.981	32.29	272.2
300	0.416	34.760	-2.13	0.403	282.6	81.63	0.047	147.49	27.889	32.592	27.890	0.04	27.056	33.04	296.9
301	0.416	34.760	-2.13	0.403	283.0	81.75	0.048	148.30	27.889	32.591	27.890	0.04	27.059	33.07	297.9

NEWP 92 STA 11 CTD 20

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.597	32.305	-1.77	0.597	374.6	106.73	0.091	158.85	25.902	30.619	25.902	0.04	25.902	0.00	0.0
2	0.437	32.327	-1.77	0.437	374.5	106.25	0.094	147.59	25.927	30.649	25.927	0.51	25.909	0.44	2.0
4	0.215	32.316	-1.77	0.215	367.0	103.51	0.109	125.26	25.930	30.658	25.930	0.13	25.920	0.88	4.0
6	-0.191	32.327	-1.77	-0.191	371.8	103.74	0.109	114.54	25.957	30.697	25.957	0.43	25.926	1.32	5.9
8	-0.137	32.316	-1.77	-0.137	370.4	103.50	0.091	115.75	25.946	30.685	25.946	-0.02	25.935	1.75	7.9
10	-0.304	32.338	-1.78	-0.304	373.6	103.93	0.141	117.94	25.971	30.714	25.971	0.17	25.938	2.19	9.9
12	-0.309	32.327	-1.78	-0.310	374.0	104.02	0.115	117.64	25.962	30.705	25.962	-0.01	25.944	2.62	11.9
14	-0.406	32.333	-1.78	-0.406	376.7	104.52	0.127	115.45	25.971	30.717	25.971	0.07	25.947	3.05	13.9
16	-0.350	32.315	-1.78	-0.350	376.2	104.52	0.103	124.21	25.954	30.699	25.954	-0.02	25.949	3.48	15.9
18	-0.190	32.337	-1.78	-0.190	373.8	104.32	0.124	119.90	25.965	30.705	25.965	-0.20	25.952	3.91	17.8
20	-0.125	32.339	-1.78	-0.125	372.0	103.98	0.107	124.20	25.964	30.702	25.964	-0.01	25.953	4.34	19.8
22	-0.236	32.326	-1.79	-0.237	373.8	104.18	0.118	127.15	25.958	30.699	25.958	0.14	25.953	4.78	21.8
24	-0.095	32.346	-1.79	-0.096	372.4	104.19	0.134	127.23	25.968	30.705	25.968	0.02	25.954	5.21	23.8
26	0.043	32.323	-1.79	0.042	371.1	104.20	0.103	134.05	25.944	30.677	25.944	-0.25	25.955	5.64	25.8
28	-0.290	32.318	-1.79	-0.291	374.3	104.16	0.182	137.00	25.954	30.697	25.954	0.37	25.954	6.08	27.8
30	-0.045	32.336	-1.79	-0.046	372.3	104.29	0.203	141.41	25.958	30.694	25.958	0.01	25.955	6.51	29.7
32	-0.209	32.319	-1.79	-0.210	374.0	104.29	0.154	134.58	25.951	30.692	25.951	0.27	25.954	6.94	31.7
34	-0.378	32.304	-1.79	-0.379	376.4	104.49	0.126	147.19	25.946	30.692	25.947	-0.02	25.955	7.38	33.7
36	-0.325	32.319	-1.80	-0.326	373.6	103.86	0.143	150.79	25.956	30.700	25.956	-0.32	25.955	7.81	35.7
38	-1.188	32.286	-1.80	-1.189	385.3	104.61	0.116	97.92	25.959	30.729	25.959	0.42	25.955	8.25	37.7
40	-1.516	32.329	-1.80	-1.517	383.6	103.27	0.081	41.86	26.003	30.783	26.003	0.15	25.956	8.67	39.7
45	-1.591	32.352	-1.80	-1.592	378.4	101.67	0.065	23.62	26.024	30.806	26.024	0.02	25.964	9.72	44.6
50	-1.667	32.367	-1.81	-1.668	375.4	100.68	0.058	15.78	26.037	30.821	26.037	0.03	25.970	10.77	49.6
55	-1.676	32.370	-1.81	-1.677	370.6	99.36	0.050	13.00	26.040	30.825	26.040	0.03	25.976	11.82	54.5
60	-1.734	32.377	-1.82	-1.735	368.5	98.65	0.049	12.35	26.047	30.833	26.047	0.07	25.982	12.86	59.5
65	-1.746	32.390	-1.82	-1.747	364.8	97.64	0.046	12.42	26.058	30.844	26.058	0.11	25.987	13.90	64.4
70	-1.740	32.402	-1.83	-1.741	370.0	99.04	0.047	11.61	26.068	30.854	26.068	0.05	25.993	14.93	69.4
75	-1.726	32.428	-1.83	-1.727	367.1	98.32	0.047	11.18	26.088	30.874	26.088	0.13	25.998	15.95	74.3
80	-1.702	32.491	-1.84	-1.704	364.2	97.66	0.046	12.20	26.139	30.923	26.139	0.13	26.005	16.96	79.3
85	-1.676	32.562	-1.85	-1.677	362.0	97.19	0.047	12.20	26.196	30.979	26.196	0.20	26.015	17.94	84.3
90	-1.647	32.641	-1.86	-1.648	359.0	96.52	0.048	13.81	26.260	31.041	26.260	0.07	26.027	18.89	89.2
95	-1.634	32.697	-1.86	-1.636	356.3	95.89	0.048	13.52	26.305	31.085	26.305	0.13	26.040	19.82	94.2
100	-1.605	32.817	-1.87	-1.607	353.0	95.15	0.047	15.71	26.402	31.180	26.402	0.17	26.056	20.70	99.1
105	-1.571	32.895	-1.88	-1.573	347.1	93.70	0.048	15.71	26.464	31.241	26.464	0.23	26.073	21.56	104.1
110	-1.540	33.029	-1.89	-1.542	347.9	94.09	0.048	14.90	26.572	31.347	26.572	0.08	26.094	22.37	109.0
115	-1.519	33.113	-1.90	-1.521	343.2	92.95	0.047	15.42	26.640	31.413	26.640	0.19	26.116	23.14	114.0
120	-1.504	33.183	-1.91	-1.506	338.4	91.74	0.048	16.15	26.696	31.468	26.696	0.28	26.139	23.88	118.9
125	-1.473	33.308	-1.92	-1.476	336.1	91.28	0.045	15.86	26.797	31.567	26.797	0.20	26.163	24.57	123.9
150	-0.939	33.975	-1.98	-0.943	319.6	88.51	0.047	21.05	27.320	32.068	27.320	0.13	26.314	27.29	148.6
175	-0.182	34.363	-2.02	-0.188	298.9	84.72	0.046	40.46	27.601	32.324	27.601	0.08	26.482	28.98	173.4
200	0.118	34.534	-2.05	0.110	290.5	83.12	0.046	40.09	27.724	32.436	27.724	0.07	26.630	30.26	198.1
225	0.317	34.635	-2.07	0.308	289.6	83.37	0.044	40.01	27.794	32.500	27.795	0.05	26.756	31.30	222.8
250	0.447	34.695	-2.09	0.436	288.7	83.41	0.045	54.34	27.835	32.537	27.835	0.06	26.862	32.22	247.5
275	0.418	34.752	-2.12	0.406	287.4	83.02	0.044	92.83	27.883	32.585	27.884	0.05	26.953	33.03	272.2
300	0.415	34.756	-2.13	0.403	282.2	81.52	0.047	114.84	27.886	32.588	27.886	0.04	27.031	33.78	296.9
314	0.415	34.756	-2.14	0.402	278.9	80.56	0.046	134.31	27.886	32.588	27.886	0.04	27.069	34.21	310.8

NEWP 92 STA 12 CTD 21

Press	Temp	Salnty	Frr.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.738	32.293	-1.77	0.738	364.0	104.07	0.093	108.82	25.884	30.598	25.884	0.07	25.884	0.00	0.0
2	0.511	32.315	-1.77	0.511	365.7	103.95	0.087	107.09	25.914	30.634	25.914	0.29	25.896	0.45	2.0
4	0.120	32.264	-1.77	0.119	368.3	103.58	0.115	111.31	25.892	30.624	25.892	-0.05	25.902	0.89	4.0
6	-0.696	32.273	-1.77	-0.696	375.7	103.38	0.108	113.45	25.933	30.688	25.933	0.43	25.904	1.33	5.9
8	-0.707	32.298	-1.77	-0.707	374.0	102.89	0.208	90.14	25.954	30.709	25.954	-0.36	25.920	1.76	7.9
10	-1.032	32.301	-1.78	-1.032	378.6	103.25	0.124	89.76	25.967	30.732	25.967	0.68	25.925	2.20	9.9
12	-1.094	32.325	-1.78	-1.094	377.6	102.82	0.094	89.62	25.989	30.756	25.989	0.17	25.934	2.63	11.9
14	-1.527	32.299	-1.78	-1.527	382.5	102.90	0.092	28.46	25.979	30.759	25.979	0.53	25.938	3.06	13.9
16	-1.526	32.332	-1.78	-1.527	380.0	102.26	0.059	26.26	26.006	30.786	26.006	0.03	25.945	3.49	15.9
18	-1.569	32.330	-1.78	-1.569	380.1	102.19	0.054	26.85	26.005	30.786	26.005	0.07	25.952	3.91	17.8
20	-1.581	32.332	-1.78	-1.581	377.8	101.52	0.054	27.95	26.007	30.789	26.007	0.05	25.957	4.33	19.8
22	-1.588	32.333	-1.79	-1.588	377.9	101.53	0.055	28.10	26.008	30.790	26.008	0.05	25.962	4.76	21.8
24	-1.612	32.334	-1.79	-1.613	376.7	101.16	0.056	31.04	26.010	30.792	26.010	0.09	25.966	5.18	23.8
26	-1.607	32.341	-1.79	-1.608	375.0	100.71	0.109	35.45	26.015	30.798	26.015	0.04	25.969	5.60	25.8
28	-1.626	32.340	-1.79	-1.627	374.4	100.49	0.084	33.61	26.015	30.798	26.015	0.03	25.973	6.03	27.8
30	-1.643	32.341	-1.79	-1.643	373.8	100.29	0.066	32.06	26.016	30.800	26.016	0.05	25.976	6.45	29.7
32	-1.637	32.352	-1.79	-1.637	372.9	100.07	0.062	35.01	26.025	30.808	26.025	0.18	25.978	6.87	31.7
34	-1.517	32.369	-1.80	-1.517	371.6	100.05	0.161	172.63	26.036	30.815	26.036	0.00	25.982	7.29	33.7
36	-1.492	32.364	-1.80	-1.493	371.2	100.01	0.183	161.15	26.031	30.809	26.031	0.03	25.984	7.71	35.7
38	-1.553	32.346	-1.80	-1.554	372.9	100.30	0.400	216.04	26.018	30.799	26.018	-0.04	25.987	8.13	37.7
40	-1.716	32.353	-1.80	-1.716	377.0	100.95	0.404	47.77	26.027	30.813	26.027	0.17	25.988	8.55	39.7
45	-1.599	32.374	-1.81	-1.600	374.7	100.66	0.559	293.66	26.042	30.824	26.042	-0.02	25.994	9.59	44.6
50	-1.637	32.372	-1.81	-1.638	373.6	100.28	0.299	135.11	26.041	30.824	26.041	0.03	25.998	10.64	49.6
55	-1.692	32.371	-1.81	-1.693	372.1	99.73	0.082	65.39	26.041	30.826	26.041	0.07	26.002	11.68	54.5
60	-1.725	32.373	-1.82	-1.726	367.2	98.32	0.097	35.89	26.044	30.830	26.044	0.06	26.006	12.72	59.5
65	-1.743	32.378	-1.82	-1.744	364.5	97.55	0.054	27.95	26.048	30.835	26.048	0.06	26.009	13.76	64.4
70	-1.724	32.392	-1.83	-1.726	360.0	96.42	0.051	35.97	26.059	30.845	26.059	0.10	26.012	14.80	69.4
75	-1.732	32.405	-1.83	-1.734	358.4	95.98	0.052	27.00	26.069	30.855	26.069	0.06	26.015	15.83	74.3
80	-1.720	32.440	-1.84	-1.721	362.2	97.03	0.053	13.51	26.098	30.883	26.098	0.08	26.019	16.85	79.3
85	-1.714	32.474	-1.84	-1.716	357.5	95.83	0.047	16.66	26.125	30.910	26.125	0.11	26.024	17.86	84.3
90	-1.697	32.522	-1.85	-1.698	355.9	95.48	0.047	15.56	26.164	30.948	26.164	0.08	26.031	18.85	89.2
95	-1.680	32.583	-1.86	-1.682	351.7	94.43	0.049	16.81	26.213	30.996	26.214	0.08	26.040	19.82	94.2
100	-1.677	32.594	-1.86	-1.678	348.9	93.71	0.047	17.32	26.222	31.004	26.222	0.16	26.049	20.78	99.1
105	-1.634	32.702	-1.87	-1.636	346.5	93.24	0.047	16.59	26.309	31.089	26.309	0.25	26.059	21.71	104.1
110	-1.599	32.840	-1.88	-1.601	342.5	92.36	0.049	17.54	26.420	31.198	26.420	0.30	26.073	22.59	109.0
115	-1.559	32.977	-1.89	-1.561	339.9	91.85	0.048	17.17	26.530	31.306	26.530	0.28	26.090	23.42	114.0
120	-1.516	33.109	-1.90	-1.518	338.6	91.71	0.049	17.76	26.636	31.409	26.636	0.26	26.111	24.20	118.9
125	-1.489	33.223	-1.91	-1.491	335.9	91.12	0.048	18.42	26.728	31.500	26.728	0.22	26.134	24.93	123.9
150	-1.089	33.808	-1.97	-1.093	319.5	88.00	0.048	22.52	27.191	31.944	27.191	0.25	26.270	27.92	148.6
175	-0.249	34.320	-2.02	-0.255	299.4	84.69	0.048	37.66	27.570	32.295	27.570	0.10	26.430	29.86	173.4
200	0.067	34.490	-2.04	0.059	291.5	83.27	0.044	47.24	27.691	32.406	27.692	0.11	26.581	31.21	198.1
225	0.316	34.622	-2.07	0.307	290.5	83.60	0.045	42.96	27.784	32.490	27.784	0.04	26.710	32.30	222.8
250	0.491	34.693	-2.09	0.481	289.1	83.63	0.046	49.31	27.831	32.532	27.831	0.07	26.820	33.24	247.5
275	0.551	34.721	-2.11	0.540	287.9	83.42	0.045	79.23	27.850	32.549	27.850	0.05	26.912	34.10	272.2
286	0.557	34.732	-2.12	0.545	284.3	82.41	0.051	154.15	27.858	32.557	27.859	0.05	26.949	34.47	283.1

NEWP 92 STA 13 CTD 22

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.884	32.331	-1.77	1.884	405.8	119.55	0.118	511.48	25.842	30.524	25.842	0.05	25.842	0.00	0.0
2	1.836	32.338	-1.77	1.836	405.6	119.37	0.149	508.45	25.851	30.534	25.851	0.20	25.842	0.46	2.0
4	1.683	32.324	-1.77	1.683	406.0	118.98	0.313	504.38	25.851	30.538	25.851	0.03	25.847	0.91	4.0
6	1.706	32.324	-1.77	1.706	405.4	118.88	0.270	505.46	25.849	30.536	25.849	0.00	25.848	1.36	5.9
8	1.634	32.321	-1.77	1.633	404.8	118.49	0.258	507.36	25.851	30.540	25.851	0.03	25.848	1.82	7.9
10	0.718	32.308	-1.78	0.718	416.1	118.91	0.367	457.49	25.897	30.611	25.897	-0.03	25.851	2.27	9.9
12	0.492	32.312	-1.78	0.491	410.6	116.64	0.579	431.11	25.913	30.633	25.913	0.04	25.860	2.71	11.9
14	0.433	32.317	-1.78	0.433	403.6	114.49	0.563	455.93	25.919	30.641	25.919	0.05	25.868	3.16	13.9
16	0.386	32.318	-1.78	0.385	401.4	113.72	0.959	529.89	25.923	30.646	25.923	0.05	25.875	3.60	15.9
18	0.342	32.316	-1.78	0.341	400.7	113.38	0.934	542.38	25.924	30.648	25.924	0.06	25.880	4.04	17.8
20	0.223	32.312	-1.78	0.223	402.0	113.39	0.755	489.26	25.926	30.654	25.926	0.06	25.885	4.48	19.8
22	-1.471	32.275	-1.78	-1.471	420.4	113.26	0.484	383.49	25.958	30.737	25.958	0.55	25.889	4.91	21.8
24	-1.530	32.315	-1.79	-1.531	418.0	112.48	0.301	284.05	25.992	30.773	25.992	0.13	25.897	5.34	23.8
26	-1.504	32.341	-1.79	-1.505	412.1	110.98	0.771	339.53	26.012	30.792	26.012	0.12	25.905	5.77	25.8
28	-1.574	32.346	-1.79	-1.575	401.7	107.99	0.509	220.78	26.018	30.800	26.018	0.09	25.913	6.19	27.8
30	-1.637	32.355	-1.79	-1.638	390.9	104.91	0.118	62.10	26.027	30.811	26.027	0.07	25.920	6.61	29.7
32	-1.638	32.357	-1.79	-1.638	381.9	102.48	0.077	36.55	26.029	30.812	26.029	0.06	25.927	7.03	31.7
34	-1.659	32.361	-1.80	-1.660	374.2	100.36	0.072	31.62	26.032	30.816	26.032	0.06	25.933	7.45	33.7
36	-1.687	32.362	-1.80	-1.688	372.5	99.85	0.065	36.19	26.034	30.819	26.034	0.07	25.938	7.87	35.7
38	-1.704	32.364	-1.80	-1.705	371.1	99.43	0.061	35.89	26.036	30.822	26.036	0.04	25.944	8.29	37.7
40	-1.711	32.365	-1.80	-1.712	369.0	98.83	0.065	37.22	26.037	30.822	26.037	0.06	25.948	8.70	39.7
45	-1.749	32.369	-1.81	-1.750	370.9	99.24	0.049	16.59	26.041	30.827	26.041	0.06	25.958	9.75	44.6
50	-1.745	32.380	-1.81	-1.746	366.5	98.09	0.049	17.03	26.049	30.836	26.049	0.06	25.967	10.79	49.6
55	-1.745	32.390	-1.82	-1.746	362.9	97.13	0.049	18.78	26.058	30.844	26.058	0.08	25.975	11.83	54.5
60	-1.740	32.400	-1.82	-1.741	358.5	95.97	0.096	55.01	26.066	30.852	26.066	0.05	25.982	12.86	59.5
65	-1.735	32.411	-1.82	-1.736	356.0	95.32	0.179	90.37	26.074	30.860	26.074	0.08	25.989	13.89	64.4
70	-1.728	32.431	-1.83	-1.729	355.3	95.16	0.075	84.31	26.091	30.876	26.091	0.05	25.996	14.91	69.4
75	-1.722	32.451	-1.83	-1.724	352.3	94.39	0.060	83.49	26.107	30.892	26.107	0.07	26.003	15.92	74.3
80	-1.716	32.477	-1.84	-1.717	349.1	93.57	0.093	80.05	26.128	30.913	26.128	0.10	26.010	16.93	79.3
85	-1.685	32.529	-1.85	-1.686	349.5	93.80	0.075	44.44	26.170	30.953	26.170	0.08	26.018	17.92	84.3
90	-1.661	32.594	-1.85	-1.662	346.9	93.20	0.100	37.74	26.222	31.004	26.222	0.11	26.028	18.88	89.2
95	-1.642	32.641	-1.86	-1.644	346.6	93.20	0.060	33.98	26.259	31.040	26.259	0.09	26.039	19.83	94.2
100	-1.630	32.671	-1.86	-1.631	345.1	92.86	0.058	27.66	26.284	31.064	26.284	0.06	26.051	20.76	99.1
105	-1.614	32.713	-1.87	-1.616	340.9	91.81	0.048	29.20	26.317	31.097	26.317	0.06	26.063	21.68	104.1
110	-1.605	32.743	-1.88	-1.607	342.7	92.32	0.048	24.21	26.341	31.120	26.341	0.23	26.074	22.58	109.0
115	-1.582	32.808	-1.88	-1.584	341.4	92.07	0.047	31.78	26.394	31.172	26.394	0.11	26.087	23.46	114.0
120	-1.564	32.871	-1.89	-1.566	340.6	91.95	0.049	27.07	26.445	31.221	26.445	0.24	26.101	24.32	118.9
125	-1.534	33.000	-1.90	-1.536	336.1	90.92	0.049	25.97	26.549	31.323	26.549	0.31	26.117	25.14	123.9
150	-1.176	33.741	-1.96	-1.180	322.0	88.44	0.048	27.36	27.139	31.897	27.140	0.30	26.229	28.53	148.6
175	-0.557	34.180	-2.01	-0.562	298.7	83.70	0.048	44.61	27.471	32.206	27.471	0.08	26.384	30.64	173.4

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
14	23	24 JUL 92	1339	80 11.26	-13 27.23	185	16	0

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	271	1.491	32.329	1.491	25.867		388.2	.54	.03	.06	.86	7.20
3	270	1.502	32.323	1.502	25.862		391.3	.53	.03	.02	.85	7.15
7	269	1.628	32.323	1.628	25.853		382.9	1.36	.04	.05	.92	8.15
14	268	.935	32.330	.934	25.903		371.2	2.95	.04	.06	1.05	9.71
27	267	-1.516	32.349	-1.516	26.019		372.8	3.18	.03	.07	1.08	9.78
42	266	-1.690	32.363	-1.691	26.035		366.5	4.20	.02	.04	1.11	10.13
65	265	-1.734	32.377	-1.735	26.047		364.9	4.37	.02	0.00	1.13	10.25
80	264	-1.736	32.425	-1.738	26.086		361.2	4.74	.02	.01	1.15	10.82
100	263	-1.660	32.599	-1.662	26.226		355.2	5.58	.02	.05	1.15	11.23
120	262	-1.570	32.917	-1.572	26.482		344.0	7.08	.02	.06	1.14	12.53
151	261	-1.209	33.564	-1.213	26.997	33.576	322.6	9.53	.04	.08	1.08	12.12
184	260	-1.120	33.695	-1.125	27.100		319.2	9.91	.03	.10	1.07	11.97

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	271	2.38	.37	20.2	3.3			39100			
3	270	2.35	.36	19.9	3.2						
7	269	1.97	.36	15.2	2.5			42200			
14	268	.84	.28	6.5	1.2			32400			
27	267	2.35	.27	8.7	1.6			32300			
42	266	.32	.07	2.1	.2			50100			
65	265	.11	.05	1.3	.1			26300			
80	264	.07	.02	1.2	.1			22000			
100	263	.05	.02	1.3	.1						
120	262	.08	.04	3.2	.6						
151	261	.07	.08	2.6	.3						
184	260	.23	.19	2.8	.2						

NEWP 92 STA 14 CTD 23															
Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.740	32.306	-1.77	1.740	376.0	110.36	0.087	336.12	25.832	30.518	25.832	0.05	25.832	0.00	0.0
2	1.721	32.309	-1.77	1.721	374.9	109.97	0.094	328.16	25.836	30.522	25.836	0.09	25.834	0.46	2.0
4	1.664	32.313	-1.77	1.664	374.9	109.82	0.122	321.81	25.843	30.531	25.843	0.08	25.837	0.91	4.0
6	1.639	32.314	-1.77	1.639	373.6	109.36	0.138	311.80	25.845	30.534	25.845	0.05	25.839	1.37	5.9
8	1.595	32.312	-1.77	1.595	374.2	109.42	0.131	302.13	25.847	30.537	25.847	0.09	25.841	1.82	7.9
10	1.209	32.290	-1.77	1.208	377.9	109.38	0.132	232.25	25.854	30.554	25.854	0.14	25.842	2.28	9.9
12	0.634	32.286	-1.78	0.633	381.3	108.71	0.115	219.36	25.884	30.601	25.884	0.37	25.847	2.73	11.9
14	0.508	32.312	-1.78	0.508	377.3	107.24	0.131	228.32	25.912	30.632	25.912	0.07	25.855	3.17	13.9
16	0.463	32.313	-1.78	0.463	375.1	106.49	0.144	229.57	25.915	30.636	25.915	0.06	25.863	3.61	15.9
18	0.321	32.307	-1.78	0.320	374.4	105.89	0.169	219.67	25.917	30.642	25.917	0.06	25.868	4.06	17.8
20	-0.445	32.296	-1.78	-0.445	382.6	106.01	0.144	135.59	25.942	30.690	25.942	0.40	25.874	4.50	19.8
22	-0.928	32.324	-1.79	-0.929	384.4	105.16	0.110	87.82	25.982	30.744	25.982	0.14	25.883	4.93	21.8
24	-1.418	32.339	-1.79	-1.418	384.6	103.83	0.088	54.20	26.008	30.785	26.008	0.14	25.892	5.35	23.8
26	-1.550	32.346	-1.79	-1.550	380.9	102.47	0.077	37.80	26.018	30.799	26.018	0.08	25.902	5.77	25.8
28	-1.612	32.353	-1.79	-1.613	377.5	101.37	0.073	30.96	26.024	30.807	26.024	0.05	25.910	6.20	27.8
30	-1.623	32.356	-1.79	-1.624	375.0	100.68	0.073	28.54	26.027	30.810	26.027	0.04	25.918	6.62	29.7
32	-1.653	32.357	-1.79	-1.653	371.7	99.72	0.088	33.76	26.029	30.813	26.029	0.08	25.925	7.04	31.7
34	-1.666	32.357	-1.80	-1.667	370.4	99.32	0.070	27.07	26.029	30.814	26.029	0.06	25.931	7.45	33.7
36	-1.669	32.361	-1.80	-1.670	371.4	99.59	0.070	31.85	26.032	30.817	26.032	0.05	25.937	7.87	35.7
38	-1.681	32.362	-1.80	-1.682	379.4	101.70	0.076	31.48	26.034	30.818	26.034	0.05	25.942	8.29	37.7
40	-1.689	32.363	-1.80	-1.690	378.7	101.48	0.072	34.79	26.035	30.820	26.035	0.05	25.946	8.71	39.7
45	-1.704	32.367	-1.81	-1.704	373.9	100.16	0.060	23.62	26.038	30.824	26.038	0.06	25.956	9.76	44.6
50	-1.719	32.369	-1.81	-1.720	371.0	99.34	0.063	18.78	26.041	30.826	26.041	0.03	25.965	10.80	49.6
55	-1.740	32.372	-1.81	-1.741	366.9	98.19	0.061	18.20	26.043	30.829	26.043	0.06	25.972	11.84	54.5
60	-1.745	32.376	-1.82	-1.746	363.4	97.25	0.052	13.59	26.046	30.833	26.046	0.06	25.978	12.88	59.5
65	-1.745	32.378	-1.82	-1.746	360.3	96.41	0.051	15.71	26.048	30.835	26.048	0.05	25.983	13.92	64.4
70	-1.747	32.384	-1.83	-1.748	357.5	95.68	0.051	12.49	26.052	30.839	26.052	0.06	25.988	14.96	69.4
75	-1.745	32.396	-1.83	-1.747	354.2	94.79	0.049	13.22	26.063	30.849	26.063	0.07	25.993	16.00	74.3
80	-1.739	32.416	-1.84	-1.741	357.6	95.73	0.051	14.03	26.079	30.865	26.079	0.07	25.997	17.02	79.3
85	-1.729	32.439	-1.84	-1.730	355.1	95.11	0.049	13.51	26.097	30.883	26.097	0.09	26.003	18.04	84.3
90	-1.701	32.491	-1.85	-1.702	353.4	94.77	0.051	14.10	26.139	30.923	26.139	0.15	26.009	19.05	89.2
95	-1.682	32.538	-1.85	-1.684	348.2	93.46	0.050	15.49	26.177	30.960	26.177	0.14	26.017	20.03	94.2
100	-1.662	32.595	-1.86	-1.664	347.3	93.31	0.051	15.56	26.223	31.005	26.223	0.21	26.026	21.00	99.1
105	-1.649	32.670	-1.87	-1.651	343.3	92.32	0.058	25.67	26.283	31.064	26.283	0.06	26.038	21.93	104.1
110	-1.635	32.735	-1.88	-1.637	344.6	92.75	0.103	29.35	26.335	31.115	26.335	0.22	26.049	22.85	109.0
115	-1.614	32.795	-1.88	-1.616	342.0	92.16	0.053	34.64	26.384	31.163	26.384	0.18	26.063	23.74	114.0
120	-1.587	32.878	-1.89	-1.590	337.7	91.13	0.062	36.04	26.450	31.228	26.450	0.22	26.077	24.59	118.9
125	-1.565	32.965	-1.90	-1.568	337.0	91.05	0.049	35.52	26.521	31.297	26.521	0.32	26.094	25.42	123.9
150	-1.221	33.550	-1.95	-1.225	321.9	88.19	0.053	95.15	26.986	31.746	26.986	0.12	26.203	28.90	148.6
175	-1.129	33.670	-1.98	-1.134	314.8	86.53	0.066	103.93	27.080	31.836	27.080	0.05	26.323	31.68	173.4
185	-1.120	33.698	-1.99	-1.125	315.5	86.77	0.058	99.80	27.102	31.858	27.102	0.06	26.365	32.75	183.3

NEWP 92 STA 15 CTD 24

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.494	31.909	-1.75	-0.494	376.7	103.92	0.117	213.53	25.632	30.384	25.632	0.05	25.632	0.00	0.0
2	-0.514	31.914	-1.75	-0.514	377.9	104.22	0.135	217.10	25.637	30.390	25.637	-0.15	25.633	0.50	2.0
4	-0.646	31.951	-1.75	-0.646	385.3	105.91	0.116	280.67	25.671	30.428	25.671	0.11	25.646	0.99	4.0
6	-0.650	31.949	-1.75	-0.650	387.5	106.49	0.195	275.77	25.669	30.426	25.669	0.04	25.655	1.48	6.0
8	-0.665	31.955	-1.75	-0.665	392.5	107.83	0.184	267.94	25.675	30.432	25.675	0.27	25.659	1.97	7.9
10	-0.677	31.993	-1.76	-0.677	396.0	108.80	0.168	292.43	25.706	30.464	25.706	0.15	25.667	2.45	9.9
12	-0.754	32.021	-1.76	-0.754	400.0	109.68	0.123	310.12	25.731	30.490	25.731	0.60	25.675	2.93	11.9
14	-0.950	32.071	-1.77	-0.951	403.8	110.18	0.183	340.55	25.779	30.543	25.779	0.11	25.687	3.40	13.9
16	-1.397	32.162	-1.77	-1.397	411.3	110.95	0.266	337.01	25.864	30.642	25.864	0.28	25.704	3.86	15.9
18	-1.581	32.220	-1.78	-1.582	409.6	109.99	0.657	307.33	25.916	30.699	25.916	0.25	25.724	4.31	17.9
20	-1.643	32.243	-1.78	-1.643	402.0	107.79	0.596	310.61	25.936	30.721	25.936	0.06	25.745	4.75	19.8
22	-1.643	32.244	-1.78	-1.643	395.3	105.99	0.397	300.16	25.937	30.722	25.937	0.05	25.762	5.18	21.8
24	-1.644	32.252	-1.78	-1.644	391.7	105.02	0.507	260.22	25.943	30.728	25.944	0.10	25.777	5.62	23.8
26	-1.646	32.266	-1.79	-1.646	390.9	104.82	0.414	169.47	25.955	30.739	25.955	0.14	25.790	6.06	25.8
28	-1.649	32.275	-1.79	-1.649	386.8	103.70	0.146	146.05	25.962	30.746	25.962	0.09	25.802	6.49	27.8
30	-1.651	32.284	-1.79	-1.652	380.4	101.99	0.257	116.81	25.969	30.754	25.969	0.11	25.813	6.92	29.7
32	-1.655	32.293	-1.79	-1.655	379.0	101.61	0.279	102.81	25.977	30.761	25.977	0.06	25.823	7.35	31.7
34	-1.656	32.298	-1.79	-1.657	376.3	100.88	0.220	99.88	25.981	30.766	25.981	0.05	25.833	7.78	33.7
36	-1.657	32.298	-1.79	-1.657	373.1	100.02	0.129	100.10	25.982	30.766	25.982	0.06	25.841	8.21	35.7
38	-1.660	32.305	-1.80	-1.660	370.5	99.32	0.126	86.47	25.987	30.771	25.987	0.09	25.848	8.64	37.7
40	-1.663	32.309	-1.80	-1.663	369.9	99.17	0.100	81.10	25.990	30.775	25.990	0.07	25.855	9.06	39.7
45	-1.670	32.317	-1.80	-1.671	374.3	100.31	0.087	67.62	25.997	30.781	25.997	0.06	25.871	10.13	44.6
50	-1.682	32.330	-1.81	-1.683	369.7	99.06	0.079	53.68	26.008	30.793	26.008	0.06	25.884	11.19	49.6
55	-1.694	32.357	-1.81	-1.695	364.4	97.64	0.057	49.61	26.030	30.815	26.030	0.14	25.896	12.24	54.5
60	-1.699	32.383	-1.82	-1.700	358.4	96.03	0.087	51.75	26.051	30.837	26.051	0.10	25.908	13.29	59.5
65	-1.702	32.399	-1.82	-1.703	352.4	94.43	0.084	55.01	26.064	30.849	26.064	0.06	25.920	14.32	64.4
70	-1.701	32.399	-1.83	-1.702	346.6	92.88	0.062	57.31	26.064	30.849	26.064	0.04	25.930	15.35	69.4
75	-1.702	32.401	-1.83	-1.704	342.1	91.66	0.079	66.21	26.066	30.851	26.066	0.04	25.939	16.38	74.4

NEWP 92 STA 16 CTD 25

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.420	31.733	-1.74	-0.420	400.8	110.65	0.064	154.88	25.486	30.238	25.486	0.03	25.487	0.00	0.0
2	-0.428	31.731	-1.74	-0.428	396.0	109.29	0.064	155.98	25.485	30.237	25.485	0.33	25.480	0.53	2.0
4	-0.523	31.808	-1.74	-0.523	380.7	104.86	0.071	165.29	25.551	30.305	25.551	-0.40	25.512	1.04	4.0
6	-0.476	31.716	-1.74	-0.476	388.5	107.08	0.063	142.55	25.475	30.228	25.475	-0.11	25.506	1.56	6.0
8	-0.458	31.694	-1.74	-0.458	393.9	108.61	0.060	141.79	25.456	30.210	25.456	0.44	25.494	2.09	7.9
10	-0.484	31.735	-1.74	-0.484	393.3	108.40	0.073	144.75	25.490	30.244	25.490	0.10	25.492	2.62	9.9
12	-0.511	31.782	-1.75	-0.511	397.0	109.36	0.075	162.68	25.529	30.284	25.529	0.41	25.494	3.14	11.9
14	-0.396	31.929	-1.76	-0.396	396.0	109.57	0.084	248.64	25.644	30.393	25.644	0.29	25.507	3.65	13.9
16	-0.877	31.960	-1.76	-0.877	404.6	110.53	0.122	203.39	25.686	30.449	25.686	0.10	25.527	4.14	15.9
18	-1.025	31.992	-1.76	-1.025	408.1	111.06	0.097	197.27	25.717	30.484	25.717	0.18	25.546	4.62	17.9
20	-1.235	32.032	-1.77	-1.235	411.5	111.39	0.116	205.39	25.755	30.529	25.755	0.22	25.565	5.10	19.8
22	-1.411	32.073	-1.77	-1.412	414.6	111.70	0.120	196.35	25.793	30.572	25.793	0.25	25.583	5.57	21.8
24	-1.476	32.099	-1.77	-1.476	413.2	111.16	0.148	294.89	25.816	30.597	25.816	0.14	25.602	6.03	23.8
26	-1.481	32.127	-1.78	-1.482	412.2	110.90	0.173	332.85	25.838	30.619	25.838	0.18	25.619	6.49	25.8
28	-1.480	32.150	-1.78	-1.480	407.4	109.63	0.238	388.81	25.857	30.637	25.857	0.13	25.636	6.94	27.8
30	-1.490	32.203	-1.78	-1.490	407.8	109.76	0.416	392.11	25.900	30.681	25.900	0.31	25.652	7.39	29.8
32	-1.510	32.253	-1.79	-1.511	404.3	108.80	0.510	348.48	25.941	30.721	25.941	0.15	25.669	7.83	31.7
34	-1.522	32.261	-1.79	-1.523	399.8	107.56	0.594	359.98	25.948	30.728	25.948	0.12	25.685	8.27	33.7
36	-1.504	32.290	-1.79	-1.505	397.4	106.98	0.641	421.58	25.971	30.751	25.971	0.11	25.700	8.70	35.7
38	-1.439	32.298	-1.80	-1.440	393.2	106.05	0.782	411.62	25.976	30.754	25.976	0.10	25.715	9.13	37.7
40	-1.514	32.295	-1.80	-1.515	404.3	108.83	0.313	272.45	25.976	30.756	25.976	0.08	25.728	9.56	39.7
45	-1.587	32.311	-1.80	-1.588	393.7	105.76	0.442	206.07	25.990	30.772	25.990	0.10	25.757	10.63	44.6
50	-1.638	32.314	-1.81	-1.638	385.6	103.46	0.239	238.32	25.994	30.778	25.994	0.11	25.780	11.69	49.6
55	-1.676	32.326	-1.81	-1.677	378.0	101.30	0.198	173.56	26.004	30.789	26.004	0.07	25.800	12.75	54.5
60	-1.700	32.338	-1.82	-1.701	372.1	99.66	0.114	114.40	26.014	30.800	26.014	0.06	25.818	13.81	59.5
65	-1.702	32.343	-1.82	-1.703	366.3	98.11	0.089	76.63	26.019	30.804	26.019	0.05	25.833	14.87	64.4
70	-1.732	32.353	-1.82	-1.734	362.4	97.01	0.073	72.23	26.027	30.813	26.027	0.06	25.847	15.92	69.4
75	-1.720	32.365	-1.83	-1.721	358.8	96.08	0.310	74.40	26.037	30.823	26.037	0.06	25.859	16.97	74.4
80	-1.709	32.378	-1.83	-1.711	356.8	95.57	0.087	63.54	26.047	30.832	26.047	0.06	25.870	18.01	79.3
85	-1.717	32.400	-1.84	-1.718	353.5	94.69	0.054	55.97	26.065	30.851	26.065	0.11	25.881	19.04	84.3
90	-1.717	32.438	-1.84	-1.718	358.6	96.08	0.067	59.68	26.096	30.881	26.096	0.13	25.892	20.07	89.2
95	-1.716	32.483	-1.85	-1.718	356.5	95.56	0.057	48.28	26.133	30.918	26.133	0.10	25.904	21.08	94.2
100	-1.710	32.499	-1.86	-1.711	355.1	95.22	0.057	51.68	26.146	30.930	26.146	0.08	25.916	22.07	99.1
105	-1.698	32.525	-1.86	-1.700	350.4	93.99	0.050	43.26	26.167	30.950	26.167	0.12	25.927	23.06	104.1
110	-1.692	32.576	-1.87	-1.694	345.7	92.78	0.053	44.52	26.208	30.991	26.208	0.12	25.939	24.03	109.0
115	-1.686	32.612	-1.87	-1.688	349.3	93.79	0.053	51.32	26.237	31.020	26.237	0.11	25.951	24.98	114.0
120	-1.663	32.659	-1.88	-1.665	347.2	93.33	0.054	46.73	26.274	31.056	26.275	0.09	25.964	25.92	118.9
125	-1.639	32.745	-1.89	-1.641	342.1	92.09	0.071	44.37	26.344	31.124	26.344	0.28	25.978	26.83	123.9
150	-1.505	33.331	-1.94	-1.508	331.4	89.94	0.050	30.37	26.816	31.587	26.816	0.17	26.077	30.73	148.7
175	-0.319	34.297	-2.01	-0.325	292.2	82.49	0.062	82.82	27.554	32.282	27.555	0.08	26.235	33.16	173.4
199	-0.116	34.433	-2.04	-0.123	285.2	81.02	0.054	148.94	27.655	32.375	27.655	0.04	26.402	34.49	197.1

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.519	31.580	-1.73	-0.519	386.3	106.25	0.056	198.04	25.367	30.123	25.367	0.06	25.366	0.00	0.0
2	-0.518	31.629	-1.73	-0.518	388.6	106.91	0.058	192.71	25.406	30.162	25.406	0.79	25.372	0.55	2.0
4	-0.498	31.644	-1.73	-0.498	385.6	106.17	0.060	183.92	25.417	30.172	25.417	-0.33	25.405	1.08	4.0
6	-0.501	31.722	-1.74	-0.502	391.5	107.84	0.060	183.31	25.481	30.235	25.481	0.65	25.416	1.62	6.0
8	-0.548	31.794	-1.75	-0.548	400.4	110.20	0.059	181.62	25.540	30.295	25.540	0.76	25.439	2.14	7.9
10	-0.635	31.824	-1.75	-0.635	403.3	110.78	0.061	191.17	25.568	30.325	25.568	-1.53	25.471	2.64	9.9
12	-0.520	31.687	-1.74	-0.521	403.7	111.11	0.067	183.31	25.453	30.208	25.453	0.95	25.470	3.17	11.9
14	-1.024	32.150	-1.77	-1.025	409.9	111.69	0.091	225.83	25.844	30.611	25.844	0.46	25.503	3.65	13.9
16	-1.061	32.153	-1.77	-1.061	411.1	111.91	0.099	222.71	25.848	30.616	25.848	0.19	25.545	4.11	15.9
18	-0.980	32.222	-1.78	-0.981	411.3	112.25	0.105	246.87	25.901	30.666	25.901	0.07	25.582	4.56	17.9
20	-1.113	32.220	-1.78	-1.114	414.7	112.78	0.114	249.46	25.904	30.672	25.904	0.20	25.614	5.00	19.8
22	-1.344	32.233	-1.78	-1.345	417.0	112.70	0.190	314.11	25.921	30.696	25.921	0.15	25.642	5.44	21.8
24	-1.459	32.259	-1.78	-1.459	417.5	112.51	0.570	420.26	25.945	30.724	25.945	0.09	25.666	5.88	23.8
26	-1.502	32.266	-1.79	-1.503	414.1	111.46	0.614	444.93	25.952	30.732	25.952	0.08	25.688	6.31	25.8
28	-1.538	32.275	-1.79	-1.539	412.7	110.99	0.785	424.54	25.960	30.741	25.960	0.08	25.707	6.75	27.8
30	-1.546	32.278	-1.79	-1.547	408.8	109.91	0.879	439.35	25.962	30.743	25.962	0.05	25.724	7.18	29.8
32	-1.567	32.288	-1.79	-1.568	406.0	109.10	0.825	415.92	25.971	30.753	25.971	0.09	25.739	7.61	31.7
34	-1.581	32.294	-1.79	-1.582	401.5	107.85	0.550	339.57	25.976	30.758	25.976	0.07	25.753	8.04	33.7
36	-1.594	32.297	-1.79	-1.594	397.9	106.85	0.613	359.01	25.979	30.761	25.979	0.09	25.765	8.47	35.7
38	-1.633	32.310	-1.80	-1.633	393.5	105.57	0.385	254.40	25.990	30.774	25.990	0.09	25.777	8.90	37.7
40	-1.635	32.310	-1.80	-1.635	388.1	104.11	0.415	259.52	25.990	30.774	25.990	0.05	25.788	9.33	39.7
45	-1.654	32.315	-1.80	-1.655	378.4	101.48	0.598	177.55	25.995	30.779	25.995	0.06	25.810	10.39	44.6
50	-1.665	32.318	-1.81	-1.665	371.7	99.64	0.182	137.47	25.997	30.782	25.997	0.05	25.829	11.46	49.6
55	-1.671	32.321	-1.81	-1.672	369.9	99.16	0.359	112.82	26.000	30.785	26.000	0.05	25.844	12.52	54.5
60	-1.682	32.324	-1.82	-1.683	365.7	98.00	0.151	102.06	26.003	30.788	26.003	0.04	25.858	13.58	59.5
65	-1.709	32.335	-1.82	-1.710	368.7	98.74	0.204	72.83	26.012	30.798	26.013	0.07	25.869	14.64	64.4
70	-1.746	32.348	-1.82	-1.747	365.9	97.89	0.090	61.38	26.024	30.811	26.024	0.05	25.880	15.69	69.4
75	-1.752	32.353	-1.83	-1.753	362.3	96.91	0.134	61.31	26.028	30.815	26.028	0.05	25.889	16.75	74.4
80	-1.753	32.356	-1.83	-1.755	359.4	96.14	0.064	60.57	26.030	30.817	26.030	0.05	25.898	17.79	79.3
85	-1.751	32.363	-1.84	-1.753	356.6	95.41	0.061	59.83	26.036	30.823	26.036	0.05	25.906	18.84	84.3
90	-1.749	32.366	-1.84	-1.750	355.5	95.12	0.120	54.42	26.038	30.825	26.038	0.05	25.913	19.88	89.2
95	-1.752	32.377	-1.84	-1.754	357.1	95.55	0.071	45.55	26.048	30.834	26.048	0.05	25.920	20.93	94.2
100	-1.744	32.395	-1.85	-1.745	354.8	94.97	0.058	45.77	26.062	30.848	26.062	0.07	25.927	21.96	99.1
105	-1.737	32.418	-1.85	-1.738	352.2	94.32	0.056	44.14	26.080	30.866	26.080	0.25	25.933	22.99	104.1
110	-1.721	32.464	-1.86	-1.723	350.4	93.90	0.094	56.94	26.117	30.902	26.117	0.05	25.941	24.00	109.0
115	-1.721	32.465	-1.86	-1.723	348.1	93.29	0.070	55.45	26.118	30.903	26.118	0.04	25.949	25.01	114.0
120	-1.714	32.487	-1.87	-1.716	343.3	92.03	0.064	53.83	26.136	30.921	26.136	0.09	25.956	26.01	118.9
121	-1.714	32.492	-1.87	-1.716	343.1	91.98	0.064	55.82	26.140	30.925	26.140	0.07	25.958	26.21	119.9

NEWP 92 STA 18 CTD 27

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.620	31.302	-1.71	-0.620	456.5	124.93	0.055	105.96	25.145	29.907	25.145	0.11	25.144	0.00	0.0
2	-0.695	31.381	-1.72	-0.695	451.9	123.50	0.058	120.05	25.212	29.975	25.212	0.34	25.173	0.59	2.0
4	-0.816	31.591	-1.73	-0.816	423.9	115.67	0.062	136.86	25.385	30.150	25.385	1.95	25.221	1.15	4.0
6	-1.005	31.788	-1.74	-1.005	436.8	118.76	0.065	171.49	25.551	30.320	25.551	0.35	25.314	1.67	6.0
8	-1.346	31.829	-1.75	-1.346	456.5	123.00	0.096	206.10	25.593	30.372	25.593	0.57	25.377	2.18	7.9
10	-1.432	31.905	-1.75	-1.432	457.6	123.06	0.094	221.93	25.657	30.438	25.657	0.40	25.427	2.68	9.9
12	-1.436	31.948	-1.76	-1.436	451.2	121.38	0.109	223.26	25.691	30.472	25.691	0.15	25.470	3.17	11.9
14	-1.367	31.991	-1.76	-1.367	448.4	120.88	0.090	227.23	25.726	30.504	25.726	0.30	25.503	3.65	13.9
16	-1.328	32.059	-1.77	-1.328	447.3	120.80	0.158	242.46	25.779	30.555	25.779	0.15	25.535	4.12	15.9
18	-1.251	32.113	-1.77	-1.251	441.5	119.53	0.164	225.99	25.821	30.595	25.821	0.26	25.564	4.59	17.9
20	-1.188	32.139	-1.77	-1.188	438.1	118.83	0.173	207.56	25.840	30.612	25.840	0.17	25.590	5.05	19.8
22	-1.240	32.179	-1.78	-1.241	438.4	118.77	0.168	241.08	25.874	30.647	25.874	0.28	25.615	5.50	21.8
24	-1.290	32.207	-1.78	-1.291	437.8	118.48	0.124	222.87	25.898	30.672	25.898	0.16	25.637	5.95	23.8
26	-1.260	32.225	-1.78	-1.260	430.8	116.69	0.157	260.78	25.912	30.685	25.912	0.13	25.658	6.39	25.8
28	-1.305	32.244	-1.79	-1.306	426.3	115.34	0.313	278.21	25.929	30.703	25.929	0.12	25.677	6.83	27.8
30	-1.484	32.262	-1.79	-1.485	425.4	114.57	0.437	406.48	25.948	30.728	25.948	0.13	25.694	7.27	29.8
32	-1.584	32.287	-1.79	-1.585	419.5	112.68	0.403	271.24	25.971	30.753	25.971	0.14	25.711	7.70	31.7
34	-1.617	32.307	-1.79	-1.617	409.7	109.96	0.302	236.22	25.987	30.771	25.987	0.12	25.726	8.13	33.7
36	-1.593	32.320	-1.80	-1.593	400.3	107.53	0.172	187.32	25.998	30.780	25.998	0.02	25.741	8.55	35.7
38	-1.659	32.322	-1.80	-1.659	392.5	105.24	0.411	165.98	26.001	30.785	26.001	0.10	25.755	8.98	37.7
40	-1.656	32.327	-1.80	-1.657	385.2	103.31	0.238	142.17	26.005	30.789	26.005	0.05	25.767	9.40	39.7
45	-1.681	32.338	-1.80	-1.682	388.3	104.06	0.112	90.07	26.014	30.799	26.015	0.06	25.794	10.46	44.6
50	-1.701	32.345	-1.81	-1.702	385.1	103.15	0.183	75.74	26.020	30.805	26.020	0.05	25.816	11.52	49.6
55	-1.737	32.355	-1.81	-1.738	377.3	100.98	0.108	58.12	26.029	30.815	26.029	0.07	25.836	12.57	54.5
60	-1.751	32.364	-1.82	-1.752	369.1	98.75	0.080	54.57	26.037	30.824	26.037	0.06	25.852	13.61	59.5
65	-1.745	32.369	-1.82	-1.746	366.5	98.08	0.233	60.50	26.041	30.828	26.041	0.05	25.866	14.66	64.4
70	-1.751	32.375	-1.83	-1.752	368.0	98.46	0.096	55.68	26.046	30.832	26.046	0.06	25.879	15.70	69.4
75	-1.756	32.379	-1.83	-1.757	363.2	97.16	0.076	47.32	26.049	30.836	26.049	0.05	25.890	16.74	74.4
80	-1.762	32.383	-1.83	-1.763	362.6	97.01	0.059	47.54	26.052	30.839	26.052	0.05	25.900	17.78	79.3
85	-1.733	32.398	-1.84	-1.734	364.2	97.52	0.061	46.22	26.064	30.850	26.064	0.07	25.909	18.81	84.3
90	-1.732	32.442	-1.84	-1.734	356.5	95.48	0.060	43.78	26.100	30.885	26.100	0.12	25.919	19.84	89.2
95	-1.722	32.480	-1.85	-1.723	358.7	96.12	0.059	45.70	26.130	30.915	26.130	0.13	25.929	20.84	94.2
100	-1.712	32.511	-1.86	-1.714	351.2	94.16	0.066	53.24	26.155	30.940	26.155	0.06	25.940	21.83	99.1
105	-1.697	32.575	-1.86	-1.699	353.4	94.83	0.061	49.46	26.207	30.990	26.207	0.12	25.951	22.81	104.1
110	-1.674	32.645	-1.87	-1.676	351.1	94.34	0.070	51.84	26.263	31.045	26.263	0.21	25.964	23.76	109.0
115	-1.641	32.731	-1.88	-1.643	347.5	93.53	0.059	42.01	26.333	31.113	26.333	0.12	25.979	24.67	114.0
120	-1.625	32.808	-1.89	-1.628	341.8	92.09	0.067	42.74	26.395	31.174	26.395	0.16	25.995	25.55	118.9
125	-1.611	32.894	-1.90	-1.613	341.3	92.05	0.058	40.75	26.464	31.242	26.464	0.18	26.013	26.40	123.9
150	-1.444	33.333	-1.94	-1.447	333.1	90.53	0.058	42.08	26.817	31.586	26.817	0.30	26.115	30.19	148.7
175	-0.745	34.015	-2.00	-0.750	313.3	87.25	0.057	57.01	27.345	32.087	27.345	0.10	26.251	32.89	173.4
200	-0.032	34.488	-2.04	-0.039	296.2	84.39	0.075	46.36	27.695	32.412	27.695	0.07	26.416	34.39	198.1
225	0.344	34.657	-2.07	0.335	290.4	83.65	0.054	49.39	27.811	32.516	27.811	0.05	26.566	35.43	222.8
250	0.409	34.758	-2.10	0.398	282.8	81.68	0.058	90.66	27.888	32.591	27.889	0.07	26.694	36.28	247.6
253	0.411	34.770	-2.10	0.400	281.2	81.21	0.054	91.19	27.898	32.600	27.899	0.06	26.708	36.37	250.5

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.274	24.365	-1.32	-0.274	443.6	116.23	0.063	306.60	19.534	24.346	19.534	0.74	19.523	0.00	0.0
2	-0.552	26.104	-1.42	-0.552	439.1	115.69	0.069	317.31	20.943	25.748	20.943	27.42	19.801	1.64	2.0
4	-1.401	31.562	-1.73	-1.401	433.3	116.31	0.075	221.70	25.378	30.161	25.378	2.49	21.929	2.43	4.0
6	-1.420	31.629	-1.73	-1.421	427.1	114.67	0.084	219.36	25.432	30.215	25.432	0.16	23.095	2.97	6.0
8	-1.449	31.755	-1.74	-1.449	432.2	116.06	0.072	228.32	25.535	30.318	25.535	0.64	23.691	3.50	7.9
10	-1.463	31.799	-1.75	-1.463	440.0	118.14	0.087	239.18	25.571	30.354	25.571	0.09	24.065	4.01	9.9
12	-1.462	31.784	-1.75	-1.462	438.7	117.77	0.082	228.86	25.559	30.343	25.559	-0.03	24.313	4.52	11.9
14	-1.520	31.977	-1.76	-1.520	438.6	117.74	0.108	290.55	25.717	30.500	25.717	0.85	24.499	5.02	13.9
16	-1.601	32.137	-1.77	-1.602	437.9	117.42	0.153	364.77	25.849	30.633	25.849	0.40	24.660	5.48	15.9
18	-1.658	32.196	-1.78	-1.658	435.8	116.75	0.355	374.90	25.898	30.684	25.898	0.25	24.796	5.93	17.9
20	-1.680	32.241	-1.78	-1.680	432.5	115.84	0.593	373.99	25.935	30.721	25.935	0.26	24.908	6.37	19.8
22	-1.691	32.279	-1.78	-1.692	425.0	113.83	0.393	144.75	25.966	30.752	25.966	0.12	25.003	6.80	21.8
24	-1.693	32.286	-1.78	-1.694	415.9	111.39	0.154	109.46	25.972	30.758	25.972	0.07	25.083	7.24	23.8
26	-1.695	32.291	-1.79	-1.695	405.8	108.69	0.116	80.51	25.976	30.762	25.976	0.09	25.152	7.67	25.8
28	-1.695	32.294	-1.79	-1.696	398.1	106.60	0.102	73.65	25.979	30.764	25.979	0.05	25.211	8.09	27.8
30	-1.696	32.299	-1.79	-1.696	395.0	105.78	0.089	80.50	25.983	30.769	25.983	0.08	25.262	8.52	29.8
32	-1.693	32.307	-1.79	-1.694	389.6	104.37	0.109	67.62	25.989	30.775	25.989	0.10	25.307	8.95	31.7
34	-1.661	32.325	-1.79	-1.661	384.7	103.14	0.077	57.09	26.003	30.788	26.003	0.07	25.348	9.38	33.7
36	-1.663	32.329	-1.80	-1.664	385.5	103.36	0.069	55.53	26.006	30.791	26.006	0.05	25.384	9.80	35.7
38	-1.674	32.330	-1.80	-1.674	383.9	102.90	0.086	53.53	26.007	30.792	26.007	0.06	25.417	10.22	37.7
40	-1.682	32.335	-1.80	-1.683	382.0	102.37	0.067	47.32	26.012	30.797	26.012	0.08	25.447	10.65	39.7
45	-1.692	32.342	-1.80	-1.693	379.0	101.54	0.075	40.09	26.017	30.803	26.017	0.05	25.510	11.70	44.6
50	-1.702	32.345	-1.81	-1.703	374.2	100.24	0.061	41.27	26.020	30.806	26.020	0.05	25.561	12.76	49.6
55	-1.711	32.349	-1.81	-1.712	371.0	99.35	0.057	39.72	26.024	30.809	26.024	0.05	25.603	13.81	54.5
60	-1.716	32.353	-1.82	-1.717	367.3	98.36	0.055	33.90	26.027	30.813	26.027	0.06	25.638	14.86	59.5
65	-1.721	32.360	-1.82	-1.722	363.6	97.36	0.055	30.59	26.033	30.819	26.033	0.05	25.668	15.91	64.5
70	-1.723	32.366	-1.83	-1.724	360.0	96.40	0.060	32.80	26.038	30.824	26.038	0.06	25.694	16.95	69.4
75	-1.722	32.379	-1.83	-1.723	369.0	98.82	0.062	34.94	26.048	30.834	26.048	0.09	25.717	17.99	74.4
80	-1.711	32.400	-1.83	-1.712	367.1	98.36	0.055	31.77	26.065	30.851	26.065	0.10	25.739	19.03	79.3
85	-1.711	32.428	-1.84	-1.713	361.8	96.94	0.053	30.89	26.088	30.873	26.088	0.06	25.759	20.05	84.3
90	-1.714	32.459	-1.85	-1.716	357.9	95.92	0.053	34.42	26.114	30.898	26.114	0.06	25.778	21.06	89.2
95	-1.703	32.505	-1.85	-1.705	357.6	95.91	0.056	42.45	26.150	30.934	26.150	0.08	25.797	22.06	94.2
100	-1.708	32.538	-1.86	-1.709	353.1	94.71	0.057	39.06	26.177	30.961	26.177	0.11	25.815	23.05	99.1
105	-1.700	32.581	-1.86	-1.702	351.9	94.44	0.061	40.46	26.212	30.996	26.212	0.12	25.833	24.01	104.1
110	-1.640	32.699	-1.87	-1.642	349.1	93.94	0.056	45.77	26.307	31.087	26.307	0.32	25.852	24.95	109.1
115	-1.630	32.867	-1.89	-1.632	344.0	92.71	0.057	39.79	26.442	31.221	26.442	0.38	25.875	25.82	114.0
120	-1.586	32.955	-1.90	-1.589	346.1	93.44	0.057	38.39	26.513	31.289	26.513	0.09	25.901	26.65	119.0
125	-1.548	33.004	-1.90	-1.551	339.9	91.90	0.076	46.22	26.552	31.327	26.552	0.12	25.926	27.45	123.9
150	-1.335	33.406	-1.94	-1.339	327.5	89.33	0.058	49.83	26.872	31.637	26.872	0.22	26.052	31.09	148.7
175	-0.540	34.192	-2.01	-0.545	304.9	85.50	0.065	50.95	27.480	32.214	27.480	0.28	26.217	33.47	173.4
200	0.099	34.565	-2.05	0.091	290.9	83.20	0.051	39.28	27.750	32.463	27.750	0.06	26.392	34.85	198.1
225	0.299	34.656	-2.07	0.290	289.6	83.32	0.052	47.39	27.812	32.519	27.813	0.07	26.545	35.88	222.8
250	0.370	34.726	-2.10	0.360	288.1	83.09	0.050	49.83	27.865	32.569	27.865	0.04	26.675	36.73	247.6
275	0.404	34.779	-2.12	0.393	288.7	83.37	0.053	70.52	27.905	32.607	27.906	0.07	26.784	37.50	272.3
300	0.420	34.828	-2.14	0.407	287.5	83.09	0.055	95.45	27.943	32.645	27.944	0.05	26.880	38.13	297.0
315	0.422	34.829	-2.15	0.409	279.6	80.81	0.057	121.01	27.944	32.646	27.945	0.00	26.931	38.50	311.8

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
20	29	25 JUL 92	1743	80 28.63	-10 53.82	290	13	80

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	341	-1.485	31.744	-1.485	25.527		427.2	.02	0.00	.07	.88	2.29
5	340	-1.436	31.720	-1.436	25.507		423.5	.03	0.00	.19	.87	2.29
9	339	-1.515	31.746	-1.515	25.530		424.5	.04	0.00	.08	.86	2.29
15	338	-1.542	31.813	-1.542	25.585		415.9	.04	0.00	-.01	.89	2.55
23	337	-1.477	32.100	-1.478	25.816		389.3	.77	.02	.09	1.00	4.01
35	336	-1.620	32.274	-1.620	25.961		368.3	3.37	.06	.14	.70	8.03
52	335	-1.681	32.338	-1.682	26.014		364.3	4.35	.05	.02	1.16	9.23
75	334	-1.710	32.382	-1.712	26.051		363.0	4.56	.02	.03	1.13	9.36
102	333	-1.671	32.646	-1.673	26.264		349.9	6.38	.02	.03	1.17	10.95
152	332	-.803	33.958	-.807	27.302		306.9	11.57	0.00	.07	1.05	9.40
201	331	.148	34.564	.140	27.747		287.6	13.36	0.00	.04	1.07	9.46
289	330	.419	34.816	.407	27.935		287.5	13.53	.01	.04	1.08	9.56

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	341	.41	.11	7.5	1.2			84900			
5	340	.40	.12	7.9	1.4			83400			
9	339	.58	.14	7.7	1.1			96800			
15	338	1.09	.21	7.9	1.6			167000			
23	337	2.41	.66	10.1	1.9			203000			
35	336	.77	.63	3.8	.8			136000			
52	335	.49	.34	4.6	.3			78800			
75	334	.18	.27	2.0	.3						
102	333	.15	.19	2.3	.4						
152	332	.13	.06	.8	.3						
201	331	.08	.11	.7	.1						
289	330	.05	.09	.9	.3						

NEWP 92 STA 20 CTD 29

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.304	31.032	-1.70	-1.304	420.6	112.76	0.064	127.68	24.946	29.730	24.946	0.12	24.944	0.00	0.0
2	-1.336	31.153	-1.70	-1.336	420.1	112.63	0.062	127.15	25.044	29.829	25.044	0.57	24.984	0.62	2.0
4	-1.342	31.132	-1.71	-1.342	418.8	112.24	0.073	127.68	25.027	29.812	25.027	-0.23	25.014	1.23	4.0
6	-1.467	31.614	-1.73	-1.467	419.1	112.36	0.063	124.05	25.421	30.206	25.421	2.16	25.066	1.82	6.0
8	-1.508	31.735	-1.74	-1.508	415.2	111.29	0.067	123.98	25.521	30.306	25.521	0.06	25.179	2.34	7.9
10	-1.523	31.744	-1.74	-1.523	417.7	111.91	0.072	123.75	25.528	30.314	25.528	0.12	25.247	2.86	9.9
12	-1.536	31.756	-1.75	-1.536	419.7	112.43	0.063	125.49	25.538	30.324	25.538	0.05	25.295	3.37	11.9
14	-1.542	31.771	-1.75	-1.543	413.9	110.86	0.074	131.32	25.550	30.336	25.550	0.17	25.330	3.89	13.9
16	-1.540	31.814	-1.75	-1.540	411.1	110.16	0.078	140.88	25.586	30.371	25.586	0.25	25.360	4.40	15.9
18	-1.532	31.910	-1.76	-1.532	417.7	112.04	0.083	183.08	25.663	30.448	25.663	0.31	25.389	4.89	17.9
20	-1.535	31.970	-1.76	-1.535	424.5	113.90	0.103	198.04	25.712	30.495	25.712	0.31	25.419	5.38	19.8
22	-1.542	32.021	-1.77	-1.543	421.4	113.08	0.124	223.42	25.753	30.537	25.753	0.28	25.447	5.86	21.8
24	-1.426	32.098	-1.77	-1.426	415.0	111.80	0.174	233.09	25.813	30.593	25.813	0.18	25.476	6.32	23.8
26	-1.573	32.185	-1.78	-1.573	415.0	111.42	0.376	258.30	25.888	30.671	25.888	0.29	25.505	6.78	25.8
28	-1.593	32.226	-1.78	-1.593	410.4	110.15	0.239	147.88	25.921	30.704	25.921	0.13	25.534	7.22	27.8
30	-1.603	32.246	-1.79	-1.604	399.6	107.24	0.183	140.31	25.938	30.721	25.938	0.15	25.560	7.66	29.8
32	-1.629	32.271	-1.79	-1.629	394.1	105.71	0.124	114.17	25.959	30.743	25.959	0.10	25.584	8.09	31.7
34	-1.656	32.281	-1.79	-1.656	387.7	103.93	0.168	131.17	25.967	30.752	25.967	0.08	25.606	8.52	33.7
36	-1.661	32.301	-1.79	-1.662	383.8	102.90	0.146	93.59	25.984	30.768	25.984	0.10	25.627	8.95	35.7
38	-1.645	32.306	-1.80	-1.646	380.1	101.95	0.186	78.57	25.987	30.772	25.987	0.06	25.646	9.38	37.7
40	-1.637	32.315	-1.80	-1.638	375.2	100.67	0.124	98.31	25.995	30.778	25.995	0.05	25.663	9.81	39.7
45	-1.655	32.330	-1.80	-1.655	370.0	99.22	0.098	75.14	26.007	30.791	26.007	0.04	25.700	10.87	44.6
50	-1.667	32.336	-1.81	-1.668	365.7	98.06	0.093	72.31	26.012	30.797	26.012	0.05	25.731	11.93	49.6
55	-1.693	32.346	-1.81	-1.694	369.1	98.88	0.143	60.58	26.021	30.806	26.021	0.06	25.757	12.98	54.5
60	-1.715	32.355	-1.82	-1.716	364.6	97.63	0.090	47.62	26.029	30.815	26.029	0.06	25.779	14.04	59.5
65	-1.731	32.363	-1.82	-1.732	361.5	96.76	0.064	39.94	26.035	30.821	26.035	0.05	25.799	15.08	64.4
70	-1.720	32.377	-1.83	-1.721	358.4	95.98	0.085	41.12	26.046	30.832	26.046	0.08	25.816	16.13	69.4
75	-1.710	32.394	-1.83	-1.711	358.3	96.00	0.061	39.50	26.060	30.845	26.060	0.08	25.832	17.16	74.4
80	-1.716	32.433	-1.84	-1.718	353.7	94.77	0.123	38.91	26.092	30.877	26.092	0.09	25.847	18.19	79.3
85	-1.709	32.483	-1.84	-1.711	351.5	94.25	0.060	40.09	26.133	30.917	26.133	0.14	25.863	19.20	84.3
90	-1.699	32.552	-1.85	-1.701	351.1	94.19	0.064	39.87	26.188	30.972	26.188	0.14	25.879	20.18	89.2
95	-1.694	32.591	-1.86	-1.696	350.2	94.00	0.059	38.76	26.220	31.003	26.220	0.07	25.896	21.14	94.2
100	-1.685	32.616	-1.86	-1.687	347.8	93.40	0.069	37.88	26.240	31.023	26.240	0.09	25.913	22.10	99.1
105	-1.651	32.708	-1.87	-1.653	345.2	92.86	0.061	44.22	26.314	31.095	26.315	0.29	25.930	23.03	104.1
110	-1.584	32.828	-1.88	-1.586	343.9	92.75	0.072	61.31	26.410	31.188	26.410	0.23	25.949	23.91	109.0
115	-1.542	32.976	-1.89	-1.545	340.4	92.04	0.063	62.79	26.529	31.304	26.529	0.32	25.971	24.75	114.0
120	-1.551	33.082	-1.90	-1.553	337.4	91.28	0.058	39.08	26.615	31.390	26.615	0.12	25.997	25.53	118.9
125	-1.442	33.249	-1.92	-1.444	333.5	90.61	0.058	52.95	26.748	31.517	26.748	0.21	26.024	26.26	123.9
150	-0.833	33.943	-1.98	-0.837	315.5	87.61	0.058	35.89	27.290	32.035	27.290	0.15	26.186	29.14	148.6
175	-0.316	34.288	-2.01	-0.322	300.4	84.81	0.055	47.99	27.547	32.274	27.547	0.05	26.364	30.99	173.4
200	0.120	34.550	-2.05	0.112	291.4	83.38	0.054	44.22	27.736	32.449	27.737	0.07	26.528	32.24	198.1
225	0.369	34.688	-2.07	0.360	289.2	83.38	0.053	47.98	27.833	32.538	27.834	0.07	26.667	33.23	222.8
250	0.414	34.753	-2.10	0.404	287.0	82.89	0.052	58.72	27.884	32.586	27.884	0.05	26.787	34.04	247.5
275	0.411	34.796	-2.12	0.400	284.8	82.28	0.052	73.94	27.919	32.621	27.919	0.10	26.888	34.76	272.2
290	0.419	34.817	-2.13	0.407	281.2	81.26	0.050	113.34	27.935	32.636	27.935	0.04	26.941	35.15	287.1

NEWP 92 STA 21 CTD 30

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.393	31.385	-1.72	-0.393	368.5	101.55	0.063	110.48	25.204	29.958	25.204	0.19	25.201	0.00	0.0
2	-0.545	31.431	-1.72	-0.545	372.8	102.34	0.066	121.64	25.247	30.005	25.247	-0.87	25.243	0.57	2.0
4	-0.852	31.596	-1.73	-0.852	381.4	103.96	0.081	127.46	25.390	30.156	25.390	-0.06	25.276	1.13	4.0
6	-1.522	31.847	-1.75	-1.522	396.9	106.44	0.085	164.21	25.612	30.396	25.612	0.51	25.353	1.65	6.0
8	-1.554	31.892	-1.75	-1.555	402.0	107.73	0.081	194.03	25.649	30.434	25.649	0.19	25.423	2.15	7.9
10	-1.561	31.929	-1.75	-1.561	408.2	109.41	0.084	220.92	25.679	30.464	25.679	0.25	25.471	2.64	9.9
12	-1.565	31.955	-1.76	-1.565	410.6	110.06	0.186	235.36	25.701	30.485	25.701	0.10	25.508	3.12	11.9
14	-1.569	32.025	-1.76	-1.570	410.8	110.18	0.178	261.24	25.758	30.542	25.758	0.26	25.540	3.60	13.9
16	-1.573	32.117	-1.77	-1.573	416.1	111.65	0.270	314.95	25.832	30.616	25.832	0.42	25.571	4.07	15.9
18	-1.586	32.157	-1.77	-1.586	414.4	111.21	0.357	291.56	25.865	30.649	25.865	0.16	25.602	4.52	17.9
20	-1.584	32.180	-1.78	-1.585	410.0	110.05	0.506	240.14	25.884	30.667	25.884	0.21	25.629	4.97	19.8
22	-1.589	32.215	-1.78	-1.589	404.8	108.66	0.220	166.43	25.913	30.696	25.913	0.17	25.654	5.41	21.8
24	-1.593	32.249	-1.78	-1.594	399.4	107.22	0.214	126.25	25.940	30.723	25.940	0.11	25.677	5.85	23.8
26	-1.598	32.263	-1.79	-1.598	394.4	105.88	0.110	106.50	25.951	30.734	25.951	0.10	25.698	6.29	25.8
28	-1.616	32.275	-1.79	-1.617	389.9	104.63	0.119	88.50	25.961	30.745	25.961	0.08	25.716	6.72	27.8
30	-1.623	32.286	-1.79	-1.623	385.0	103.29	0.105	82.82	25.971	30.754	25.971	0.11	25.733	7.15	29.8
32	-1.638	32.295	-1.79	-1.639	383.1	102.75	0.135	86.34	25.978	30.762	25.978	0.07	25.748	7.58	31.7
34	-1.674	32.305	-1.79	-1.674	380.4	101.93	0.150	77.14	25.987	30.772	25.987	0.10	25.762	8.01	33.7
36	-1.625	32.317	-1.80	-1.625	377.0	101.18	0.125	96.81	25.996	30.780	25.996	0.00	25.775	8.44	35.7
38	-1.663	32.320	-1.80	-1.663	376.1	100.83	0.161	74.39	25.999	30.784	25.999	0.10	25.786	8.86	37.7
40	-1.666	32.326	-1.80	-1.667	375.7	100.72	0.094	63.39	26.004	30.789	26.004	0.06	25.797	9.29	39.7
45	-1.700	32.336	-1.80	-1.701	371.3	99.44	0.102	39.20	26.013	30.799	26.013	0.06	25.821	10.35	44.6
50	-1.702	32.343	-1.81	-1.703	366.4	98.15	0.062	34.79	26.018	30.804	26.018	0.05	25.840	11.40	49.6
55	-1.705	32.346	-1.81	-1.706	363.7	97.41	0.064	33.32	26.021	30.807	26.021	0.05	25.857	12.46	54.5
60	-1.711	32.353	-1.82	-1.712	367.1	98.30	0.058	25.23	26.027	30.813	26.027	0.06	25.871	13.51	59.5
65	-1.714	32.357	-1.82	-1.715	364.8	97.69	0.066	30.08	26.030	30.816	26.030	0.05	25.883	14.56	64.4
70	-1.714	32.363	-1.82	-1.715	362.5	97.08	0.059	26.11	26.035	30.820	26.035	0.07	25.893	15.60	69.4
75	-1.710	32.374	-1.83	-1.712	360.9	96.66	0.058	27.88	26.044	30.829	26.044	0.05	25.903	16.64	74.4
80	-1.708	32.401	-1.83	-1.709	356.7	95.58	0.059	30.01	26.066	30.851	26.066	0.09	25.913	17.68	79.3
85	-1.709	32.427	-1.84	-1.711	357.2	95.74	0.057	28.90	26.087	30.872	26.087	0.07	25.922	18.71	84.3
90	-1.709	32.457	-1.85	-1.711	354.0	94.88	0.059	28.76	26.111	30.896	26.111	0.09	25.932	19.72	89.2
95	-1.704	32.535	-1.85	-1.706	352.0	94.43	0.060	33.54	26.174	30.958	26.175	0.19	25.943	20.71	94.2
100	-1.677	32.620	-1.86	-1.679	349.3	93.83	0.066	39.13	26.243	31.026	26.243	0.21	25.956	21.67	99.1
105	-1.657	32.658	-1.87	-1.659	348.7	93.74	0.071	44.51	26.273	31.055	26.273	0.08	25.971	22.60	104.1
110	-1.632	32.748	-1.88	-1.634	344.6	92.78	0.065	45.18	26.346	31.126	26.346	0.20	25.986	23.52	109.0
115	-1.574	32.938	-1.89	-1.576	343.5	92.75	0.060	42.67	26.499	31.275	26.499	0.37	26.004	24.38	114.0
120	-1.512	33.070	-1.90	-1.514	338.7	91.71	0.061	44.37	26.605	31.378	26.605	0.48	26.027	25.18	118.9
125	-1.447	33.221	-1.91	-1.449	333.7	90.62	0.059	52.79	26.725	31.495	26.725	0.42	26.053	25.91	123.9
150	-0.621	34.068	-1.98	-0.626	310.3	86.73	0.057	49.46	27.383	32.121	27.383	0.40	26.221	28.63	148.6
175	-0.012	34.496	-2.03	-0.018	292.9	83.49	0.055	40.53	27.700	32.417	27.700	0.13	26.414	30.13	173.4
200	0.193	34.585	-2.05	0.186	290.7	83.37	0.055	41.05	27.761	32.471	27.761	0.07	26.581	31.21	198.1
225	0.391	34.723	-2.08	0.381	288.9	83.37	0.056	62.94	27.861	32.564	27.861	0.05	26.717	32.14	222.8
250	0.414	34.769	-2.10	0.404	279.8	80.81	0.055	97.10	27.896	32.599	27.897	0.04	26.834	32.89	247.5
257	0.415	34.769	-2.10	0.404	279.5	80.74	0.056	102.05	27.896	32.599	27.897	0.04	26.863	33.10	254.4

NEWP 92 STA 22 CTD 31

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.236	31.828	-1.74	1.236	387.2	111.77	0.053	214.46	25.482	30.185	25.482	0.05	25.481	0.00	0.0
2	1.122	31.822	-1.74	1.122	389.0	111.93	0.052	221.54	25.484	30.191	25.484	0.23	25.479	0.53	2.0
4	1.092	31.826	-1.74	1.092	388.5	111.72	0.052	232.30	25.489	30.196	25.489	0.22	25.484	1.05	4.0
6	1.081	31.807	-1.75	1.081	390.2	112.15	0.047	253.92	25.473	30.182	25.474	0.06	25.483	1.58	6.0
8	-0.210	31.780	-1.75	-0.210	407.3	113.13	0.041	203.30	25.516	30.262	25.516	0.90	25.480	2.11	7.9
10	-0.526	31.905	-1.75	-0.526	409.5	112.87	0.042	207.41	25.629	30.383	25.629	0.61	25.501	2.61	9.9
12	-0.206	32.066	-1.76	-0.206	403.9	112.44	0.069	276.40	25.747	30.489	25.747	-0.21	25.537	3.09	11.9
14	-0.278	32.199	-1.77	-0.278	407.3	113.27	0.077	349.70	25.856	30.600	25.856	2.20	25.566	3.57	13.9
16	-0.207	32.074	-1.77	-0.207	411.4	114.52	0.239	463.07	25.753	30.496	25.753	-0.87	25.605	4.01	15.9
18	-0.670	32.196	-1.78	-0.671	418.0	115.03	0.241	544.57	25.870	30.625	25.870	0.70	25.626	4.48	17.9
20	-0.995	32.144	-1.77	-0.995	425.1	115.92	0.532	677.88	25.838	30.604	25.838	-0.25	25.651	4.93	19.8
22	-1.319	32.207	-1.78	-1.319	429.5	116.13	0.988	724.93	25.899	30.674	25.899	0.29	25.671	5.38	21.8
24	-1.366	32.233	-1.78	-1.366	430.0	116.16	1.040	611.72	25.922	30.698	25.922	0.13	25.691	5.82	23.8
26	-1.406	32.251	-1.78	-1.407	428.4	115.60	1.244	434.03	25.937	30.714	25.937	0.11	25.709	6.26	25.8
28	-1.459	32.271	-1.79	-1.460	427.0	115.08	0.821	365.26	25.955	30.734	25.955	0.14	25.726	6.70	27.8
30	-1.481	32.297	-1.79	-1.482	424.1	114.25	0.472	254.72	25.976	30.756	25.976	0.14	25.742	7.13	29.7
32	-1.553	32.310	-1.79	-1.553	419.8	112.87	0.422	188.40	25.988	30.770	25.988	0.12	25.757	7.55	31.7
34	-1.525	32.339	-1.80	-1.525	416.8	112.19	0.304	164.52	26.011	30.791	26.011	0.02	25.772	7.98	33.7
36	-1.571	32.331	-1.80	-1.572	410.8	110.44	0.246	115.11	26.006	30.788	26.006	-0.03	25.785	8.40	35.7
38	-1.643	32.339	-1.80	-1.644	407.4	109.29	0.132	75.51	26.014	30.798	26.014	0.10	25.797	8.83	37.7
40	-1.640	32.347	-1.80	-1.641	403.4	108.23	0.129	63.54	26.021	30.805	26.021	0.04	25.808	9.25	39.7
45	-1.708	32.346	-1.80	-1.709	395.1	105.83	0.044	31.11	26.021	30.806	26.021	0.08	25.831	10.30	44.6
50	-1.731	32.351	-1.81	-1.732	388.9	104.10	0.034	26.04	26.026	30.812	26.026	0.05	25.851	11.35	49.6
55	-1.721	32.356	-1.81	-1.722	383.1	102.58	0.030	22.16	26.029	30.816	26.029	0.04	25.867	12.40	54.5
60	-1.736	32.358	-1.82	-1.737	378.8	101.39	0.032	16.73	26.031	30.818	26.031	0.04	25.880	13.45	59.5
65	-1.747	32.359	-1.82	-1.748	375.4	100.44	0.029	17.47	26.032	30.819	26.032	0.05	25.892	14.50	64.4
70	-1.753	32.373	-1.83	-1.754	371.8	99.48	0.026	19.66	26.045	30.831	26.045	0.12	25.902	15.54	69.4
75	-1.723	32.404	-1.83	-1.725	369.4	98.93	0.031	25.16	26.069	30.855	26.069	0.14	25.912	16.58	74.4
80	-1.684	32.457	-1.84	-1.686	367.5	98.56	0.040	42.15	26.111	30.895	26.111	0.16	25.924	17.60	79.3
85	-1.656	32.512	-1.84	-1.658	364.1	97.79	0.033	43.04	26.155	30.938	26.155	0.11	25.936	18.59	84.3
90	-1.596	32.634	-1.86	-1.598	360.1	96.96	0.045	50.35	26.253	31.032	26.253	0.33	25.950	19.56	89.2
95	-1.478	32.789	-1.87	-1.480	355.1	96.04	0.048	58.34	26.375	31.150	26.375	0.28	25.969	20.47	94.2
100	-1.365	32.940	-1.88	-1.367	349.3	94.87	0.049	76.55	26.495	31.265	26.495	0.12	25.994	21.30	99.1
105	-1.261	33.056	-1.89	-1.263	343.1	93.52	0.058	76.70	26.587	31.352	26.587	0.03	26.020	22.10	104.1
110	-1.187	33.163	-1.90	-1.189	340.6	93.11	0.044	84.31	26.671	31.433	26.671	0.36	26.047	22.86	109.0
115	-1.146	33.324	-1.91	-1.148	334.2	91.57	0.091	66.21	26.800	31.560	26.800	0.23	26.077	23.57	114.0
120	-1.174	33.429	-1.92	-1.177	331.4	90.82	0.085	62.72	26.886	31.646	26.886	0.30	26.109	24.22	118.9
125	-1.281	33.585	-1.93	-1.284	329.0	90.00	0.035	33.90	27.016	31.778	27.016	0.13	26.143	24.82	123.9
150	-0.295	34.318	-2.00	-0.300	303.5	85.73	0.045	41.64	27.571	32.297	27.571	0.17	26.344	26.84	148.6
175	0.148	34.560	-2.03	0.142	294.4	84.30	0.053	41.19	27.743	32.454	27.743	0.21	26.531	28.15	173.3
200	0.371	34.698	-2.06	0.363	290.5	83.77	0.025	45.92	27.842	32.546	27.843	0.05	26.690	29.09	198.1
225	0.384	34.761	-2.08	0.374	287.3	82.92	0.026	52.12	27.892	32.595	27.892	0.07	26.821	29.88	222.8
250	0.399	34.788	-2.10	0.389	286.6	82.76	0.026	67.99	27.913	32.616	27.914	0.04	26.930	30.59	247.5
267	0.403	34.795	-2.11	0.392	281.4	81.27	0.030	98.93	27.918	32.620	27.919	0.04	26.992	31.05	264.3

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
23	32	25 JUL 92	2217	80 40.23	-10 57.37	181	13	30

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	377	.797	31.160	.797	24.969			.04	.01	.05	.93	1.58
5	376	.492	31.522	.491	25.276		416.7	.05	0.00	.04	.94	1.48
9	375	-.268	31.676	-.268	25.435		424.3	.05	.01	.05	.94	1.42
15	374	-.671	31.868	-.672	25.605		423.1	.06	.01	.08	.94	1.37
23	373	-.985	32.081	-.985	25.787		416.3	.06	.01	.06	.93	1.19
35	372	-1.286	32.191	-1.287	25.885		406.7	.10	0.00	.04	.92	.67
51	371	-1.623	32.346	-1.623	26.019		364.1	2.86	.04	.07	1.17	8.22
65	370	-1.729	32.364	-1.730	26.036		363.4	3.06	.01	.03	1.19	9.13
81	369	-1.580	32.646	-1.581	26.262		347.8	4.18	.04	.04	1.16	9.83
110	368	-.869	33.692	-.872	27.089		311.1	8.38	.03	.02	1.12	10.29
151	367	.128	34.594	.122	27.772	34.630	286.9	12.22	.01	.02	1.07	9.23

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	377	.39	.06	6.5	1.1			81100			
5	376	.67	.06	9.6	1.2			94100			
9	375	1.12	.01	11.4	1.5			80000			
15	374	1.64	.13	14.7	1.8			84900			
23	373	2.23	.22	17.5	2.3			88500			
35	372	5.34	.41	20.4	3.0			118000			
51	371	1.59	.38	6.2	.9			79500			
65	370	.54	.19	4.5	.4						
81	369	.39	.20	3.0	.4						
110	368	.29	.18	1.7	.3						
151	367	.15	.13	.7	.2						

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox‡	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.040	31.547	-1.73	-0.040	378.7	105.47	0.124	328.87	25.321	30.064	25.321	0.05	25.321	0.00	0.0
2	-0.070	31.563	-1.73	-0.070	379.5	105.61	0.120	329.93	25.335	30.078	25.335	0.11	25.326	0.56	2.0
4	-0.021	31.534	-1.73	-0.022	370.9	103.35	0.093	313.08	25.310	30.052	25.310	0.49	25.319	1.12	4.0
6	-0.060	31.563	-1.73	-0.060	373.8	104.07	0.080	305.89	25.335	30.078	25.335	0.15	25.322	1.67	6.0
8	-0.279	31.685	-1.74	-0.280	383.2	106.15	0.084	372.79	25.442	30.190	25.442	-0.35	25.338	2.21	7.9
10	0.012	31.528	-1.73	0.011	385.1	107.37	0.079	294.11	25.304	30.045	25.304	0.15	25.340	2.77	9.9
12	-0.161	31.625	-1.74	-0.161	393.5	109.30	0.114	349.85	25.389	30.134	25.389	0.28	25.341	3.32	11.9
14	-0.246	31.684	-1.74	-0.246	397.0	110.07	0.142	364.56	25.440	30.188	25.440	0.51	25.350	3.86	13.9
16	-0.490	31.847	-1.75	-0.490	402.5	111.00	0.190	387.63	25.581	30.334	25.581	1.35	25.366	4.39	15.9
18	-0.472	31.887	-1.76	-0.472	404.8	111.73	0.100	358.91	25.612	30.365	25.612	-0.01	25.394	4.89	17.9
20	-0.911	31.994	-1.77	-0.912	412.3	112.54	0.195	491.80	25.714	30.479	25.714	0.68	25.419	5.38	19.8
22	-0.949	32.045	-1.77	-0.949	413.7	112.85	0.281	419.31	25.757	30.522	25.757	0.09	25.449	5.85	21.8
24	-0.943	32.052	-1.77	-0.944	415.4	113.34	0.391	406.66	25.763	30.528	25.763	0.08	25.475	6.32	23.8
26	-0.984	32.063	-1.77	-0.984	418.3	114.03	0.300	378.46	25.773	30.539	25.773	0.15	25.497	6.79	25.8
28	-1.070	32.083	-1.78	-1.070	418.4	113.80	0.199	344.42	25.792	30.560	25.792	0.15	25.518	7.26	27.8
30	-1.192	32.127	-1.78	-1.192	419.4	113.72	0.238	404.19	25.831	30.603	25.831	0.27	25.537	7.72	29.8
32	-1.225	32.163	-1.78	-1.226	417.5	113.14	0.375	467.55	25.861	30.633	25.861	0.34	25.557	8.18	31.7
34	-1.270	32.194	-1.79	-1.271	414.5	112.23	0.725	502.78	25.887	30.661	25.887	0.13	25.576	8.63	33.7
36	-1.307	32.208	-1.79	-1.308	413.8	111.93	0.878	496.20	25.899	30.674	25.899	0.07	25.593	9.07	35.7
38	-1.368	32.220	-1.79	-1.369	415.5	112.21	0.885	398.39	25.911	30.688	25.911	0.17	25.610	9.52	37.7
40	-1.348	32.253	-1.80	-1.349	411.6	111.25	0.382	141.03	25.937	30.713	25.937	0.07	25.625	9.96	39.7
45	-1.441	32.290	-1.80	-1.442	396.4	106.91	0.148	137.77	25.970	30.748	25.970	0.08	25.662	11.04	44.6
50	-1.603	32.325	-1.81	-1.604	385.4	103.51	0.091	84.33	26.002	30.784	26.002	0.11	25.695	12.10	49.6
55	-1.694	32.357	-1.81	-1.695	378.4	101.39	0.083	67.62	26.030	30.815	26.030	0.06	25.725	13.16	54.5
60	-1.698	32.367	-1.82	-1.699	373.0	99.94	0.163	77.59	26.038	30.823	26.038	0.10	25.751	14.20	59.5
65	-1.649	32.401	-1.82	-1.650	366.4	98.34	0.070	69.71	26.064	30.848	26.064	0.09	25.774	15.24	64.5
70	-1.447	32.478	-1.83	-1.448	359.2	96.98	0.140	103.48	26.122	30.899	26.122	0.09	25.798	16.25	69.4
75	-1.504	32.556	-1.84	-1.505	357.6	96.48	0.075	84.76	26.187	30.965	26.187	0.16	25.821	17.24	74.4
80	-1.531	32.674	-1.85	-1.533	354.5	95.64	0.054	65.69	26.283	31.061	26.283	0.25	25.846	18.19	79.3
85	-1.465	32.820	-1.86	-1.466	349.4	94.55	0.045	64.65	26.400	31.174	26.400	0.41	25.875	19.09	84.3
90	-1.377	32.949	-1.87	-1.379	344.8	93.62	0.049	67.02	26.503	31.273	26.503	0.47	25.907	19.93	89.2
95	-1.298	33.047	-1.88	-1.300	339.0	92.32	0.097	63.02	26.580	31.347	26.580	0.06	25.941	20.72	94.2
100	-1.219	33.175	-1.89	-1.221	334.0	91.24	0.172	58.71	26.682	31.445	26.682	0.07	25.976	21.47	99.1
105	-1.104	33.354	-1.91	-1.107	330.7	90.74	0.047	54.05	26.823	31.581	26.823	0.42	26.013	22.17	104.1
110	-0.923	33.663	-1.93	-0.926	324.2	89.61	0.046	53.83	27.067	31.817	27.067	1.07	26.056	22.76	109.0
115	-0.648	33.951	-1.95	-0.651	316.1	88.22	0.045	55.45	27.289	32.029	27.289	0.19	26.107	23.23	114.0
120	-0.482	34.138	-1.96	-0.486	308.7	86.65	0.038	51.83	27.434	32.167	27.434	0.14	26.159	23.62	118.9
125	-0.402	34.232	-1.97	-0.406	302.9	85.26	0.042	52.27	27.506	32.236	27.506	0.22	26.211	23.98	123.9
150	0.180	34.590	-2.01	0.174	290.3	83.22	0.034	38.25	27.766	32.476	27.766	0.12	26.455	25.22	148.6
175	0.269	34.715	-2.04	0.262	284.8	81.93	0.033	79.16	27.862	32.569	27.862	0.05	26.651	26.12	173.3
181	0.270	34.716	-2.04	0.263	284.9	81.94	0.034	86.32	27.862	32.569	27.863	0.04	26.691	26.31	179.3

0	0.910	31.142	-1.70	0.910	384.3	109.40	0.109	123.00	24.949	29.668	24.949	0.10	24.948	0.00
2	0.665	31.240	-1.71	0.665	389.1	110.14	0.120	226.96	25.041	29.970	25.041	1.35	24.973	2.0
4	-0.072	31.427	-1.72	-0.072	396.9	110.34	0.305	498.47	25.225	29.970	25.225	0.95	24.953	4.0
6	-0.089	31.475	-1.73	-0.089	403.7	112.24	0.266	510.33	25.265	30.009	25.265	0.00	25.125	6.0
8	-0.385	31.474	-1.74	-0.385	417.8	115.23	0.252	589.81	25.278	30.126	25.278	1.20	25.147	7.9
10	-0.269	31.605	-1.74	-0.269	420.2	116.37	0.296	455.53	25.378	30.126	25.378	0.19	25.188	9.9
12	-0.375	31.649	-1.74	-0.375	425.5	117.59	0.224	474.83	25.417	30.126	25.417	0.03	25.257	11.9
14	-0.503	31.711	-1.75	-0.503	427.3	117.69	0.387	503.90	25.472	30.126	25.472	0.03	25.257	13.9
16	-0.426	31.773	-1.75	-0.426	425.6	117.50	0.364	474.41	25.519	30.271	25.519	0.07	25.286	15.9
18	-0.983	31.793	-1.75	-0.984	433.3	117.88	0.609	580.26	25.554	30.322	25.554	0.54	25.312	17.9
20	-1.132	31.895	-1.76	-1.133	431.1	116.88	0.913	487.33	25.641	30.413	25.641	0.22	25.342	19.8
22	-1.129	31.929	-1.76	-1.129	432.7	115.98	0.814	458.48	25.668	30.440	25.668	0.20	25.370	21.8
24	-1.117	31.940	-1.77	-1.118	424.5	115.17	0.729	457.37	25.677	30.448	25.677	0.07	25.396	23.8
26	-1.121	31.954	-1.77	-1.121	422.2	114.56	0.715	434.34	25.688	30.459	25.688	0.15	25.418	25.8
28	-1.180	32.024	-1.77	-1.180	422.2	114.43	0.565	345.21	25.745	30.518	25.745	0.47	25.439	27.8
30	-1.278	32.116	-1.78	-1.279	421.2	113.93	0.398	230.32	25.824	30.598	25.824	0.55	25.462	29.8
32	-1.305	32.170	-1.78	-1.305	418.4	113.15	0.427	217.88	25.868	30.643	25.868	0.10	25.486	31.7
34	-1.297	32.180	-1.79	-1.297	415.0	112.27	0.386	210.35	25.876	30.651	25.876	0.06	25.509	33.7
36	-1.301	32.193	-1.79	-1.302	409.7	110.82	0.284	198.66	25.888	30.690	25.888	0.10	25.530	35.7
38	-1.315	32.228	-1.79	-1.316	406.9	110.06	0.283	194.81	25.916	30.690	25.916	0.25	25.549	37.7
40	-1.349	32.244	-1.79	-1.350	406.6	109.90	0.290	188.62	25.930	30.705	25.930	0.10	25.568	39.7
45	-1.475	32.297	-1.81	-1.476	386.0	104.22	0.175	125.04	25.974	30.730	25.974	0.06	25.609	44.6
50	-1.405	32.297	-1.81	-1.406	386.0	104.22	0.175	125.04	25.974	30.730	25.974	0.06	25.609	49.6
55	-1.515	32.358	-1.81	-1.516	379.7	102.24	0.076	90.59	26.027	30.806	26.027	0.18	25.677	54.5
60	-1.475	32.391	-1.82	-1.476	371.8	100.26	0.093	90.96	26.052	30.830	26.052	0.07	25.708	59.5
65	-1.547	32.424	-1.82	-1.549	365.8	98.47	0.075	82.52	26.081	30.861	26.081	0.30	25.735	64.5
70	-1.553	32.510	-1.83	-1.554	363.0	97.75	0.092	74.99	26.151	30.931	26.151	0.10	25.763	69.4
75	-1.493	32.752	-1.85	-1.494	352.8	96.33	0.184	61.83	26.346	31.121	26.346	0.31	25.819	74.4
80	-1.366	32.972	-1.87	-1.368	345.5	93.85	0.073	60.34	26.521	31.291	26.521	0.06	25.857	79.3
85	-1.335	33.008	-1.88	-1.337	340.0	92.46	0.061	60.42	26.549	31.317	26.549	0.14	25.895	84.3
90	-1.247	33.177	-1.89	-1.249	337.5	92.12	0.061	59.60	26.684	31.448	26.684	1.74	25.930	89.2
95	-0.633	34.092	-1.95	-0.636	317.3	88.67	0.036	29.20	27.403	32.273	27.403	1.05	25.989	94.2
100	-0.425	34.276	-1.96	-0.425	298.6	84.04	0.036	30.67	27.542	32.273	27.542	0.14	26.060	99.1
105	-0.376	34.315	-1.97	-0.380	291.8	82.27	0.045	29.27	27.571	32.300	27.571	0.06	26.128	104.1
110	-0.373	34.317	-1.97	-0.376	291.2	82.10	0.046	28.54	27.573	32.302	27.573	0.06	26.141	109.0
111	0.910	31.142	-1.70	0.910	384.3	109.40	0.109	123.00	24.949	29.668	24.949	0.10	24.948	110.0

MRWP 92 STA 24 CTD 33

Press Temp Salnty Frc.Pc Thcra Oxygen Oxt Fluor [SEM] Slg-0 Slg-1 Slg-Th B-V Int.Den St.Hc Depth

NEWP 92 STA 25 CTD 34

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.480	32.279	-1.77	1.480	374.0	109.02	0.264	401.68	25.828	30.521	25.828	0.04	25.828	0.00	0.0
2	1.475	32.284	-1.77	1.475	373.7	108.90	0.267	397.45	25.833	30.526	25.833	0.11	25.828	0.46	2.0
4	1.427	32.293	-1.77	1.426	370.1	107.74	0.279	406.19	25.843	30.537	25.843	0.11	25.833	0.92	4.0
6	1.417	32.285	-1.77	1.416	371.6	108.12	0.271	398.13	25.837	30.531	25.837	-0.02	25.834	1.37	5.9
8	1.559	32.293	-1.77	1.559	370.6	108.23	0.269	388.08	25.834	30.524	25.834	0.00	25.835	1.83	7.9
10	1.586	32.281	-1.77	1.586	370.3	108.23	0.241	394.09	25.822	30.513	25.823	0.03	25.834	2.29	9.9
12	1.367	32.246	-1.77	1.367	374.2	108.72	0.262	402.95	25.809	30.505	25.809	0.02	25.831	2.75	11.9
14	0.436	32.272	-1.78	0.435	382.9	108.59	0.649	479.16	25.883	30.606	25.883	0.36	25.833	3.20	13.9
16	0.143	32.294	-1.78	0.142	398.2	112.07	1.226	711.15	25.916	30.646	25.916	0.17	25.842	3.65	15.9
18	-0.563	32.258	-1.78	-0.563	409.2	112.99	0.834	417.18	25.916	30.667	25.916	0.32	25.850	4.09	17.8
20	-1.191	32.297	-1.78	-1.192	414.1	112.43	0.155	124.06	25.969	30.739	25.969	0.08	25.860	4.52	19.8
22	-1.403	32.308	-1.78	-1.403	405.2	109.41	0.132	108.22	25.983	30.759	25.983	0.06	25.871	4.95	21.8
24	-1.509	32.313	-1.79	-1.509	399.3	107.51	0.121	86.78	25.990	30.770	25.990	0.14	25.880	5.38	23.8
26	-1.550	32.313	-1.79	-1.551	396.5	106.64	0.133	78.78	25.991	30.772	25.991	-0.01	25.889	5.81	25.8
28	-1.617	32.320	-1.79	-1.617	393.9	105.74	0.104	71.56	25.998	30.781	25.998	0.08	25.896	6.23	27.8
30	-1.643	32.323	-1.79	-1.644	388.4	104.18	0.111	69.40	26.001	30.785	26.001	0.06	25.903	6.66	29.7
32	-1.660	32.328	-1.79	-1.661	385.9	103.48	0.110	62.72	26.006	30.790	26.006	0.04	25.910	7.08	31.7
34	-1.672	32.333	-1.79	-1.672	384.4	103.03	0.100	56.20	26.010	30.794	26.010	0.03	25.915	7.51	33.7
36	-1.687	32.332	-1.80	-1.687	383.0	102.62	0.103	50.50	26.010	30.795	26.010	0.06	25.920	7.93	35.7
38	-1.686	32.331	-1.80	-1.687	381.2	102.15	0.100	54.35	26.009	30.794	26.009	0.02	25.925	8.35	37.7
40	-1.705	32.336	-1.80	-1.705	380.5	101.92	0.082	37.07	26.013	30.799	26.013	0.04	25.930	8.78	39.7
45	-1.728	32.342	-1.80	-1.729	377.6	101.06	0.050	24.65	26.019	30.805	26.019	0.07	25.939	9.83	44.6
50	-1.741	32.349	-1.81	-1.741	375.0	100.36	0.042	20.10	26.024	30.811	26.025	0.06	25.947	10.88	49.6
55	-1.738	32.352	-1.81	-1.739	372.5	99.68	0.040	18.12	26.027	30.813	26.027	0.07	25.954	11.93	54.5
60	-1.749	32.359	-1.82	-1.750	369.1	98.76	0.041	17.39	26.032	30.819	26.033	0.07	25.961	12.98	59.5
65	-1.754	32.365	-1.82	-1.755	366.3	97.98	0.036	15.78	26.037	30.824	26.037	0.06	25.966	14.03	64.4
70	-1.750	32.373	-1.83	-1.751	362.1	96.89	0.035	15.42	26.044	30.831	26.044	0.07	25.972	15.07	69.4
75	-1.744	32.391	-1.83	-1.746	358.1	95.84	0.034	16.59	26.059	30.845	26.059	0.10	25.977	16.11	74.3
80	-1.734	32.419	-1.84	-1.735	355.8	95.28	0.032	16.44	26.081	30.867	26.081	0.11	25.983	17.14	79.3
85	-1.713	32.473	-1.84	-1.714	357.8	95.90	0.033	17.03	26.125	30.909	26.125	0.12	25.990	18.15	84.3
90	-1.675	32.551	-1.85	-1.676	356.3	95.67	0.034	17.98	26.187	30.970	26.187	0.15	25.999	19.14	89.2
95	-1.650	32.652	-1.86	-1.651	352.4	94.77	0.033	18.34	26.268	31.050	26.268	0.18	26.011	20.09	94.2
100	-1.614	32.758	-1.87	-1.616	347.7	93.67	0.034	18.93	26.354	31.133	26.354	0.19	26.026	20.99	99.1
105	-1.588	32.871	-1.88	-1.590	344.3	92.90	0.033	20.03	26.445	31.222	26.445	0.13	26.044	21.86	104.1
110	-1.555	32.955	-1.89	-1.557	339.2	91.65	0.033	20.54	26.512	31.288	26.512	0.17	26.064	22.69	109.0
115	-1.528	33.104	-1.90	-1.530	338.1	91.53	0.038	31.92	26.632	31.406	26.632	0.29	26.086	23.47	114.0
120	-1.521	33.196	-1.91	-1.523	335.5	90.91	0.036	27.95	26.708	31.480	26.708	0.13	26.111	24.20	118.9
125	-1.462	33.297	-1.92	-1.465	331.9	90.14	0.040	28.76	26.788	31.557	26.788	0.26	26.136	24.90	123.9
150	-0.925	33.868	-1.97	-0.929	316.2	87.53	0.032	34.64	27.233	31.982	27.233	0.19	26.285	27.71	148.6
175	-0.326	34.304	-2.01	-0.332	295.2	83.32	0.031	34.34	27.561	32.288	27.561	0.19	26.446	29.59	173.4
200	0.131	34.537	-2.05	0.124	291.1	83.31	0.029	40.68	27.725	32.437	27.726	0.10	26.597	30.89	198.1
225	0.366	34.641	-2.07	0.357	289.5	83.43	0.032	45.92	27.797	32.501	27.797	0.09	26.727	31.93	222.8
250	0.495	34.692	-2.09	0.485	288.6	83.49	0.029	63.09	27.830	32.530	27.830	0.06	26.836	32.85	247.5
275	0.553	34.729	-2.11	0.541	283.8	82.24	0.037	130.33	27.856	32.555	27.857	0.05	26.928	33.70	272.2
288	0.556	34.730	-2.12	0.544	284.0	82.32	0.034	146.65	27.857	32.555	27.857	0.04	26.969	34.13	285.1

NEWP 92 STA 25 CTD 35

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	2.475	32.123	-1.76	2.475	378.7	113.08	0.253	487.39	25.632	30.299	25.632	0.05	25.631	0.00	0.0
2	2.446	32.124	-1.76	2.446	379.4	113.20	0.257	490.40	25.635	30.303	25.635	0.19	25.632	0.50	2.0
4	2.404	32.111	-1.76	2.403	381.5	113.70	0.219	501.10	25.628	30.297	25.628	0.10	25.633	0.99	4.0
6	2.382	32.122	-1.76	2.381	380.8	113.44	0.280	505.67	25.639	30.309	25.639	0.06	25.635	1.49	6.0
8	2.369	32.120	-1.76	2.369	381.9	113.74	0.329	507.31	25.637	30.308	25.637	0.08	25.635	1.98	7.9
10	2.267	32.120	-1.76	2.266	383.1	113.79	0.309	506.81	25.646	30.319	25.646	0.08	25.637	2.48	9.9
12	1.051	32.208	-1.77	1.050	399.9	115.18	0.557	546.21	25.797	30.503	25.797	1.11	25.647	2.96	11.9
14	-0.401	32.291	-1.78	-0.402	409.6	113.62	0.383	181.10	25.936	30.683	25.937	0.34	25.681	3.41	13.9
16	-0.840	32.308	-1.78	-0.841	401.8	110.15	0.201	196.52	25.966	30.726	25.966	0.20	25.715	3.84	15.9
18	-0.915	32.333	-1.78	-0.915	391.9	107.24	0.292	271.61	25.990	30.751	25.990	0.14	25.745	4.27	17.9
20	-0.901	32.335	-1.78	-0.901	389.1	106.52	1.183	446.73	25.991	30.752	25.991	0.07	25.769	4.70	19.8
22	-1.028	32.334	-1.79	-1.028	395.3	107.85	0.804	368.38	25.993	30.758	25.993	0.03	25.790	5.13	21.8
24	-1.211	32.328	-1.79	-1.211	401.4	108.96	0.752	296.27	25.994	30.765	25.994	0.07	25.807	5.55	23.8
26	-1.437	32.324	-1.79	-1.437	404.9	109.23	0.434	175.11	25.997	30.775	25.997	0.03	25.821	5.98	25.8
28	-1.497	32.334	-1.79	-1.498	398.6	107.36	0.423	147.11	26.007	30.786	26.007	0.02	25.834	6.40	27.8
30	-1.554	32.330	-1.79	-1.554	393.6	105.85	0.403	150.31	26.005	30.786	26.005	0.06	25.846	6.83	29.7
32	-1.579	32.331	-1.79	-1.579	391.1	105.09	0.382	127.26	26.006	30.788	26.006	-0.03	25.856	7.25	31.7
34	-1.643	32.343	-1.80	-1.643	388.6	104.27	0.296	56.27	26.017	30.801	26.017	0.13	25.865	7.67	33.7
36	-1.659	32.337	-1.80	-1.659	385.6	103.40	0.085	41.42	26.013	30.797	26.013	0.07	25.873	8.09	35.7
38	-1.704	32.341	-1.80	-1.705	383.6	102.74	0.076	35.52	26.017	30.803	26.017	0.06	25.881	8.52	37.7
40	-1.705	32.348	-1.80	-1.706	379.0	101.50	0.053	25.53	26.023	30.809	26.023	0.07	25.888	8.94	39.7
45	-1.745	32.350	-1.80	-1.746	375.5	100.48	0.038	15.56	26.025	30.812	26.025	0.06	25.903	9.99	44.6
50	-1.746	32.353	-1.81	-1.747	373.1	99.84	0.036	16.95	26.028	30.815	26.028	0.06	25.915	11.04	49.6
55	-1.752	32.358	-1.81	-1.752	367.6	98.33	0.036	14.90	26.032	30.819	26.032	0.05	25.926	12.09	54.5
60	-1.755	32.362	-1.82	-1.756	365.7	97.84	0.034	14.39	26.035	30.822	26.035	0.05	25.934	13.13	59.5
65	-1.751	32.371	-1.82	-1.752	364.5	97.53	0.035	13.30	26.043	30.830	26.043	0.07	25.942	14.18	64.4
70	-1.744	32.386	-1.83	-1.745	362.0	96.88	0.034	14.32	26.055	30.841	26.055	0.08	25.950	15.22	69.4
75	-1.735	32.404	-1.83	-1.737	360.8	96.59	0.035	14.10	26.069	30.855	26.069	0.08	25.957	16.25	74.4
80	-1.733	32.422	-1.84	-1.734	355.7	95.27	0.033	16.51	26.084	30.869	26.084	0.09	25.965	17.28	79.3
85	-1.713	32.476	-1.84	-1.714	357.5	95.82	0.034	16.29	26.127	30.912	26.127	0.15	25.973	18.29	84.3
90	-1.673	32.557	-1.85	-1.675	354.2	95.10	0.035	15.56	26.192	30.975	26.192	0.23	25.983	19.27	89.2
95	-1.658	32.662	-1.86	-1.659	349.3	93.91	0.034	18.05	26.277	31.058	26.277	0.21	25.997	20.22	94.2
100	-1.599	32.805	-1.87	-1.601	346.4	93.39	0.034	17.69	26.391	31.170	26.391	0.28	26.013	21.12	99.1
105	-1.558	32.951	-1.88	-1.560	343.0	92.66	0.035	18.20	26.509	31.285	26.509	0.29	26.035	21.95	104.1
110	-1.522	33.053	-1.89	-1.524	337.9	91.47	0.035	19.59	26.591	31.365	26.591	0.13	26.058	22.75	109.0
115	-1.500	33.181	-1.90	-1.502	336.4	91.20	0.038	30.23	26.694	31.466	26.694	0.38	26.084	23.50	114.0
120	-1.492	33.287	-1.91	-1.494	332.9	90.35	0.059	23.55	26.780	31.551	26.780	0.20	26.111	24.20	118.9
125	-1.465	33.352	-1.92	-1.467	331.7	90.13	0.039	24.43	26.832	31.601	26.832	0.11	26.139	24.87	123.9
150	-0.855	33.876	-1.97	-0.859	315.7	87.58	0.033	34.05	27.237	31.983	27.237	0.16	26.287	27.68	148.6
175	-0.259	34.313	-2.02	-0.265	295.1	83.44	0.034	38.98	27.565	32.290	27.565	0.18	26.451	29.52	173.4
200	0.155	34.546	-2.05	0.147	286.0	81.91	0.033	40.97	27.732	32.443	27.732	0.09	26.601	30.81	198.1
225	0.352	34.633	-2.07	0.343	285.3	82.21	0.031	43.78	27.790	32.495	27.791	0.06	26.731	31.85	222.8
250	0.464	34.677	-2.09	0.454	283.6	81.97	0.031	51.31	27.819	32.521	27.820	0.06	26.838	32.79	247.5
275	0.458	34.722	-2.11	0.447	284.9	82.36	0.032	66.50	27.856	32.557	27.857	0.06	26.929	33.66	272.2
300	0.480	34.742	-2.13	0.467	283.3	81.96	0.032	108.82	27.871	32.572	27.872	0.06	27.007	34.46	296.9
306	0.484	34.743	-2.14	0.471	282.1	81.63	0.033	116.35	27.872	32.572	27.873	0.04	27.024	34.65	302.9

NEWP 92 STA 25 CTD 36

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SEPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	3.465	31.750	-1.74	3.465	354.1	108.10	0.115	438.59	25.251	29.897	25.251	0.22	25.249	0.00	0.0
2	2.972	31.834	-1.74	2.972	354.9	107.10	0.164	447.37	25.361	30.018	25.361	0.33	25.300	0.56	2.0
4	2.253	31.970	-1.75	2.253	362.7	107.57	0.294	528.28	25.527	30.201	25.527	0.63	25.365	1.10	4.0
6	0.977	32.122	-1.76	0.977	384.6	110.49	0.278	439.42	25.733	30.441	25.733	-0.28	25.450	1.60	6.0
8	0.182	32.338	-1.78	0.181	396.8	111.84	0.415	416.53	25.949	30.678	25.949	0.10	25.552	2.05	7.9
10	-0.135	32.239	-1.77	-0.135	399.5	111.55	0.349	356.05	25.883	30.622	25.883	0.33	25.619	2.50	9.9
12	-0.702	32.300	-1.78	-0.703	401.9	110.60	0.180	179.19	25.955	30.711	25.955	0.09	25.672	2.93	11.9
14	-1.031	32.312	-1.78	-1.032	398.0	108.57	0.131	138.45	25.976	30.741	25.976	0.11	25.714	3.36	13.9
16	-1.251	32.307	-1.78	-1.252	396.7	107.55	0.128	120.58	25.979	30.750	25.979	0.10	25.747	3.79	15.9
18	-1.382	32.316	-1.78	-1.383	393.0	106.18	0.126	87.07	25.989	30.765	25.989	0.07	25.773	4.22	17.8
20	-1.476	32.318	-1.78	-1.477	390.1	105.13	0.094	70.44	25.993	30.772	25.993	0.10	25.795	4.65	19.8
22	-1.503	32.318	-1.79	-1.503	386.1	103.96	0.095	64.58	25.994	30.774	25.994	0.04	25.813	5.08	21.8
24	-1.592	32.316	-1.79	-1.592	385.6	103.57	0.086	58.42	25.995	30.777	25.995	0.02	25.828	5.50	23.8
26	-1.657	32.321	-1.79	-1.658	384.5	103.11	0.092	56.34	26.000	30.784	26.000	0.04	25.841	5.93	25.8
28	-1.677	32.323	-1.79	-1.678	381.2	102.16	0.091	50.05	26.002	30.787	26.002	0.06	25.853	6.35	27.8
30	-1.682	32.325	-1.79	-1.682	380.3	101.90	0.092	43.04	26.003	30.788	26.003	0.06	25.863	6.78	29.7
32	-1.698	32.326	-1.79	-1.699	380.0	101.77	0.075	36.18	26.005	30.790	26.005	0.05	25.871	7.20	31.7
34	-1.721	32.330	-1.79	-1.722	376.5	100.78	0.072	29.93	26.008	30.795	26.008	0.06	25.879	7.63	33.7
36	-1.727	32.333	-1.80	-1.728	376.3	100.71	0.058	26.48	26.011	30.798	26.011	0.06	25.886	8.05	35.7
38	-1.729	32.336	-1.80	-1.729	375.2	100.42	0.052	22.59	26.014	30.800	26.014	0.06	25.893	8.47	37.7
40	-1.735	32.341	-1.80	-1.736	376.5	100.76	0.050	20.47	26.018	30.804	26.018	0.08	25.899	8.89	39.7
45	-1.730	32.346	-1.80	-1.731	371.3	99.39	0.095	24.50	26.021	30.808	26.021	0.07	25.913	9.95	44.6
50	-1.727	32.354	-1.81	-1.728	367.5	98.37	0.051	19.59	26.028	30.814	26.028	0.06	25.924	11.00	49.6
55	-1.746	32.358	-1.81	-1.747	365.8	97.89	0.041	15.86	26.032	30.819	26.032	0.05	25.934	12.04	54.5
60	-1.754	32.361	-1.82	-1.755	361.6	96.72	0.043	15.56	26.035	30.822	26.035	0.05	25.942	13.09	59.5
65	-1.756	32.367	-1.82	-1.757	361.8	96.77	0.036	13.37	26.039	30.826	26.039	0.05	25.949	14.14	64.4
70	-1.714	32.377	-1.83	-1.715	361.0	96.68	0.038	15.20	26.047	30.832	26.047	0.06	25.956	15.18	69.4
75	-1.746	32.385	-1.83	-1.747	362.9	97.11	0.037	14.98	26.054	30.841	26.054	0.07	25.962	16.22	74.4
80	-1.734	32.415	-1.84	-1.735	360.7	96.58	0.037	15.12	26.078	30.864	26.078	0.16	25.969	17.25	79.3
85	-1.711	32.469	-1.84	-1.713	356.6	95.58	0.036	15.49	26.122	30.906	26.122	0.11	25.976	18.26	84.3
90	-1.685	32.527	-1.85	-1.686	354.4	95.11	0.036	14.83	26.167	30.951	26.168	0.21	25.986	19.25	89.2
95	-1.648	32.636	-1.86	-1.649	351.5	94.51	0.036	15.56	26.256	31.037	26.256	0.24	25.998	20.21	94.2
100	-1.621	32.773	-1.87	-1.622	348.2	93.79	0.037	18.05	26.366	31.145	26.366	0.20	26.013	21.12	99.1
105	-1.571	32.894	-1.88	-1.573	348.0	93.95	0.037	18.20	26.463	31.240	26.463	0.26	26.032	21.98	104.1
110	-1.540	32.991	-1.89	-1.542	343.1	92.76	0.036	18.71	26.541	31.316	26.541	0.18	26.054	22.79	109.0
115	-1.505	33.111	-1.90	-1.507	339.2	91.89	0.037	21.86	26.637	31.410	26.637	0.12	26.077	23.56	114.0
120	-1.479	33.233	-1.91	-1.481	335.6	91.08	0.038	29.72	26.736	31.507	26.736	0.45	26.102	24.30	118.9
125	-1.480	33.369	-1.92	-1.482	332.6	90.36	0.039	22.08	26.846	31.616	26.846	0.11	26.131	24.96	123.9
150	-0.933	33.954	-1.98	-0.937	317.2	87.84	0.037	27.14	27.303	32.051	27.303	0.36	26.284	27.72	148.6
175	-0.216	34.368	-2.02	-0.222	298.4	84.51	0.034	35.23	27.607	32.330	27.607	0.09	26.451	29.51	173.4
200	0.177	34.554	-2.05	0.169	290.4	83.22	0.035	40.83	27.737	32.448	27.737	0.06	26.604	30.77	198.1
225	0.365	34.639	-2.07	0.356	290.0	83.59	0.033	43.85	27.795	32.500	27.795	0.07	26.733	31.80	222.8
250	0.495	34.691	-2.09	0.485	288.6	83.49	0.034	52.35	27.829	32.530	27.830	0.06	26.841	32.73	247.5
275	0.453	34.729	-2.11	0.441	288.0	83.26	0.034	68.36	27.862	32.563	27.863	0.04	26.932	33.58	272.2
300	0.466	34.744	-2.13	0.453	277.2	80.18	0.034	121.87	27.873	32.574	27.874	0.05	27.010	34.38	296.9
305	0.474	34.752	-2.14	0.462	278.9	80.68	0.034	135.26	27.879	32.580	27.880	0.04	27.024	34.53	301.9

	NEWP 92							STA 25	CTD 37						
Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	2.377	32.032	-1.75	2.377	398.9	118.75	0.164	459.37	25.566	30.237	25.566	0.09	25.565	0.00	0.0
2	2.142	32.057	-1.76	2.142	399.6	118.27	0.178	488.63	25.604	30.281	25.604	0.13	25.584	0.51	2.0
4	1.136	32.029	-1.76	1.136	411.0	118.51	0.166	589.52	25.648	30.353	25.648	0.64	25.601	1.01	4.0
6	0.964	32.119	-1.76	0.964	409.6	117.65	0.240	614.46	25.731	30.440	25.732	-0.48	25.636	1.49	6.0
8	0.772	32.118	-1.76	0.772	411.7	117.65	0.294	624.84	25.741	30.455	25.741	-0.08	25.658	1.97	7.9
10	0.709	32.148	-1.77	0.709	415.9	118.68	0.278	662.18	25.769	30.485	25.769	0.18	25.673	2.44	9.9
12	0.583	32.110	-1.77	0.583	420.0	119.42	0.312	660.80	25.745	30.465	25.745	0.99	25.686	2.92	11.9
14	0.889	32.149	-1.77	0.888	419.2	120.19	0.449	617.70	25.760	30.471	25.760	0.06	25.699	3.39	13.9
16	0.820	32.056	-1.77	0.820	423.9	121.23	0.288	627.04	25.688	30.402	25.688	-0.69	25.704	3.86	15.9
18	-0.959	32.094	-1.77	-0.959	450.5	122.92	0.356	709.26	25.797	30.562	25.797	0.93	25.705	4.34	17.9
20	-1.221	32.246	-1.78	-1.221	446.9	121.20	0.820	1163.76	25.928	30.700	25.928	0.69	25.721	4.79	19.8
22	-0.542	32.391	-1.79	-0.542	435.8	120.52	1.211	742.14	26.023	30.773	26.023	-0.15	25.746	5.22	21.8
24	-0.517	32.301	-1.79	-0.517	438.9	121.39	1.159	524.86	25.949	30.699	25.949	0.02	25.765	5.65	23.8
26	-1.284	32.218	-1.78	-1.284	452.5	122.49	0.884	338.51	25.907	30.681	25.907	0.34	25.777	6.09	25.8
28	-1.603	32.275	-1.79	-1.603	449.8	120.76	0.541	199.26	25.961	30.744	25.961	0.19	25.789	6.53	27.8
30	-1.703	32.300	-1.79	-1.704	438.9	117.51	0.427	131.18	25.984	30.770	25.984	0.14	25.801	6.96	29.7
32	-1.717	32.319	-1.79	-1.717	427.2	114.36	0.348	91.19	25.999	30.785	25.999	0.24	25.813	7.38	31.7
34	-1.660	32.315	-1.79	-1.661	415.9	111.51	0.177	56.12	25.995	30.780	25.995	-0.12	25.824	7.81	33.7
36	-1.677	32.342	-1.80	-1.678	407.5	109.22	0.131	35.82	26.017	30.802	26.017	0.10	25.834	8.23	35.7
38	-1.657	32.339	-1.80	-1.658	400.8	107.50	0.068	31.18	26.015	30.799	26.015	0.03	25.844	8.65	37.7
40	-1.676	32.338	-1.80	-1.676	395.7	106.06	0.065	31.26	26.014	30.799	26.014	0.06	25.853	9.07	39.7
45	-1.703	32.343	-1.80	-1.704	386.2	103.45	0.059	26.41	26.019	30.804	26.019	0.06	25.871	10.13	44.6
50	-1.733	32.345	-1.81	-1.734	382.3	102.32	0.049	21.27	26.021	30.808	26.021	0.05	25.886	11.18	49.6
55	-1.735	32.348	-1.81	-1.736	378.3	101.26	0.042	22.96	26.024	30.810	26.024	0.07	25.898	12.23	54.5
60	-1.732	32.352	-1.82	-1.733	374.6	100.27	0.047	18.34	26.027	30.813	26.027	0.05	25.909	13.28	59.5
65	-1.731	32.357	-1.82	-1.732	371.4	99.41	0.043	17.25	26.030	30.817	26.031	0.04	25.918	14.33	64.4
70	-1.740	32.362	-1.82	-1.742	367.2	98.28	0.038	16.30	26.035	30.821	26.035	0.08	25.926	15.38	69.4
75	-1.751	32.368	-1.83	-1.752	365.8	97.87	0.041	15.12	26.040	30.827	26.040	0.08	25.934	16.42	74.4
80	-1.746	32.382	-1.83	-1.747	367.5	98.35	0.039	15.27	26.051	30.838	26.052	0.06	25.941	17.46	79.3
85	-1.728	32.423	-1.84	-1.730	365.9	98.00	0.038	15.05	26.084	30.870	26.084	0.13	25.948	18.49	84.3
90	-1.691	32.512	-1.85	-1.693	361.8	97.06	0.038	15.56	26.156	30.939	26.156	0.20	25.957	19.50	89.2
95	-1.634	32.649	-1.86	-1.635	358.6	96.47	0.037	14.32	26.266	31.047	26.266	0.36	25.971	20.46	94.2
100	-1.617	32.733	-1.87	-1.619	354.4	95.44	0.037	15.56	26.333	31.113	26.333	0.11	25.987	21.37	99.1
105	-1.574	32.866	-1.88	-1.576	349.2	94.24	0.038	16.44	26.440	31.217	26.440	0.18	26.007	22.24	104.1
110	-1.545	32.994	-1.89	-1.547	345.2	93.33	0.040	18.05	26.544	31.319	26.544	0.16	26.029	23.06	109.0
115	-1.530	33.070	-1.90	-1.532	340.5	92.14	0.039	20.47	26.605	31.379	26.605	0.26	26.053	23.84	114.0
120	-1.465	33.222	-1.91	-1.468	335.8	91.14	0.040	24.87	26.727	31.497	26.727	0.35	26.078	24.58	118.9
125	-1.406	33.343	-1.92	-1.409	335.0	91.15	0.042	27.58	26.823	31.591	26.823	0.18	26.106	25.26	123.9
150	-0.926	33.964	-1.98	-0.930	316.6	87.71	0.038	23.77	27.311	32.058	27.311	0.12	26.267	27.97	148.6
175	-0.152	34.368	-2.02	-0.158	296.5	84.13	0.038	39.87	27.603	32.325	27.604	0.04	26.439	29.70	173.4
200	0.181	34.562	-2.05	0.174	291.7	83.60	0.037	39.43	27.743	32.453	27.743	0.08	26.594	30.96	198.1
225	0.384	34.646	-2.07	0.375	291.6	84.09	0.036	40.75	27.799	32.504	27.800	0.06	26.725	31.98	222.8
250	0.494	34.690	-2.09	0.484	289.5	83.76	0.036	56.05	27.828	32.529	27.829	0.07	26.833	32.91	247.5
275	0.490	34.731	-2.11	0.479	287.7	83.25	0.037	65.61	27.862	32.562	27.862	0.06	26.925	33.76	272.2
300	0.482	34.746	-2.13	0.469	286.8	82.99	0.039	131.77	27.874	32.575	27.875	0.04	27.004	34.55	296.9
301	0.482	34.746	-2.13	0.469	286.6	82.93	0.035	132.23	27.874	32.575	27.875	0.04	27.007	34.59	297.9

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
25	38	27 JUL 92	0351	80 27.46	-13 18.12	301		

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Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	2.057	32.034	-1.75	2.057	378.9	111.86	0.160	496.58	25.592	30.271	25.592	0.08	25.591	0.00	0.0
2	2.073	32.033	-1.75	2.073	380.2	112.29	0.163	492.30	25.590	30.269	25.590	0.09	25.591	0.50	2.0
4	2.108	32.046	-1.76	2.108	382.0	112.96	0.206	485.21	25.598	30.276	25.598	0.11	25.594	1.01	4.0
6	2.134	32.049	-1.76	2.134	386.8	114.45	0.167	484.59	25.598	30.276	25.598	0.05	25.595	1.51	6.0
8	2.136	32.043	-1.76	2.136	390.4	115.52	0.203	484.24	25.594	30.271	25.594	0.04	25.595	2.02	7.9
10	2.109	32.043	-1.76	2.108	393.3	116.30	0.180	480.07	25.596	30.274	25.596	0.02	25.595	2.52	9.9
12	1.827	32.035	-1.76	1.827	395.7	116.15	0.198	508.36	25.608	30.294	25.608	0.33	25.595	3.02	11.9
14	-0.306	32.092	-1.77	-0.307	422.2	117.24	0.424	717.46	25.772	30.517	25.772	1.59	25.605	3.51	13.9
16	-1.141	32.224	-1.78	-1.142	430.6	117.01	1.052	739.44	25.908	30.678	25.908	0.49	25.637	3.96	15.9
18	-1.512	32.238	-1.78	-1.512	443.8	119.41	1.248	845.64	25.929	30.710	25.929	0.40	25.669	4.40	17.9
20	-1.571	32.284	-1.78	-1.571	444.2	119.35	1.635	366.11	25.968	30.750	25.968	0.18	25.697	4.84	19.8
22	-1.528	32.293	-1.78	-1.529	431.9	116.19	0.755	432.17	25.974	30.755	25.974	0.07	25.722	5.27	21.8
24	-1.511	32.299	-1.79	-1.511	417.4	112.35	0.681	391.50	25.978	30.758	25.978	0.08	25.743	5.70	23.8
26	-1.335	32.324	-1.79	-1.335	405.1	109.58	0.911	326.29	25.994	30.769	25.994	-0.02	25.762	6.13	25.8
28	-1.298	32.332	-1.79	-1.298	399.8	108.26	0.462	150.66	26.000	30.773	26.000	-0.14	25.778	6.55	27.8
30	-1.465	32.332	-1.79	-1.465	395.9	106.72	0.234	78.42	26.004	30.782	26.004	0.11	25.792	6.98	29.7
32	-1.600	32.318	-1.79	-1.600	391.2	105.07	0.083	55.24	25.996	30.779	25.996	0.00	25.806	7.41	31.7
34	-1.707	32.330	-1.79	-1.707	386.9	103.60	0.117	58.79	26.008	30.794	26.008	0.07	25.817	7.83	33.7
36	-1.704	32.334	-1.80	-1.704	382.3	102.39	0.063	44.22	26.011	30.797	26.011	0.02	25.828	8.25	35.7
38	-1.724	32.335	-1.80	-1.725	380.4	101.83	0.333	37.29	26.013	30.799	26.013	0.05	25.837	8.68	37.7
40	-1.743	32.336	-1.80	-1.743	378.3	101.20	0.066	26.41	26.014	30.800	26.014	0.08	25.846	9.10	39.7
45	-1.714	32.345	-1.80	-1.715	374.4	100.25	0.046	22.30	26.021	30.806	26.021	0.05	25.865	10.15	44.6
50	-1.709	32.349	-1.81	-1.710	372.7	99.81	0.051	18.56	26.024	30.809	26.024	0.05	25.881	11.20	49.6
55	-1.697	32.353	-1.81	-1.698	373.5	100.08	0.045	22.38	26.027	30.812	26.027	0.05	25.894	12.25	54.5
60	-1.690	32.357	-1.82	-1.691	370.8	99.38	0.041	23.03	26.030	30.815	26.030	0.05	25.906	13.30	59.5
65	-1.720	32.360	-1.82	-1.721	369.2	98.87	0.047	19.96	26.033	30.819	26.033	0.05	25.915	14.35	64.4
70	-1.751	32.369	-1.83	-1.752	366.5	98.07	0.040	15.27	26.041	30.828	26.041	0.08	25.924	15.39	69.4
75	-1.751	32.395	-1.83	-1.752	364.1	97.44	0.036	13.15	26.062	30.848	26.062	0.12	25.932	16.43	74.4
80	-1.741	32.424	-1.84	-1.742	362.0	96.91	0.037	13.08	26.085	30.872	26.085	0.11	25.941	17.46	79.3
85	-1.689	32.521	-1.85	-1.691	357.9	96.02	0.036	13.59	26.163	30.947	26.163	0.14	25.952	18.46	84.3
90	-1.656	32.602	-1.85	-1.657	356.5	95.82	0.037	14.47	26.228	31.010	26.228	0.25	25.965	19.43	89.2
95	-1.626	32.689	-1.86	-1.628	348.4	93.76	0.037	14.68	26.298	31.078	26.298	0.29	25.981	20.36	94.2
96	-1.613	32.724	-1.86	-1.615	347.6	93.60	0.037	15.05	26.326	31.106	26.326	0.30	25.984	20.54	95.2

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SEM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	2.248	31.990	-1.75	2.248	372.9	110.60	0.129	456.56	25.542	30.217	25.542	0.04	25.543	0.00	0.0
2	2.264	31.991	-1.75	2.264	374.2	111.04	0.123	452.61	25.542	30.216	25.542	0.07	25.542	0.51	2.0
4	2.262	31.995	-1.75	2.262	377.6	112.05	0.142	448.91	25.545	30.220	25.545	0.06	25.543	1.03	4.0
6	2.291	31.993	-1.75	2.290	378.1	112.26	0.125	444.62	25.542	30.215	25.542	0.13	25.543	1.54	6.0
8	2.397	31.997	-1.76	2.396	378.7	112.76	0.101	441.63	25.537	30.208	25.537	0.06	25.542	2.06	7.9
10	2.335	31.979	-1.76	2.334	380.7	113.16	0.096	442.77	25.527	30.200	25.527	-0.01	25.540	2.57	9.9
12	2.210	31.973	-1.76	2.209	383.6	113.64	0.115	460.37	25.531	30.208	25.531	0.16	25.538	3.09	11.9
14	0.080	31.978	-1.76	0.080	411.8	115.41	0.285	691.83	25.661	30.397	25.661	1.41	25.544	3.60	13.9
16	-0.937	32.240	-1.78	-0.938	418.2	114.29	0.938	780.24	25.915	30.678	25.915	0.27	25.580	4.05	15.9
18	-1.423	32.237	-1.78	-1.423	431.3	116.33	1.755	889.53	25.926	30.704	25.926	0.31	25.617	4.50	17.9
20	-1.424	32.287	-1.78	-1.424	437.2	117.95	1.185	609.92	25.967	30.744	25.967	0.02	25.650	4.93	19.8
22	-1.486	32.289	-1.78	-1.486	435.4	117.28	1.535	523.57	25.969	30.749	25.969	0.14	25.679	5.36	21.8
24	-1.482	32.294	-1.79	-1.482	428.0	115.29	1.347	408.30	25.974	30.753	25.974	0.04	25.703	5.79	23.8
26	-1.654	32.295	-1.79	-1.655	420.5	112.73	0.470	185.39	25.978	30.763	25.978	0.17	25.724	6.22	25.8
28	-1.682	32.303	-1.79	-1.682	411.4	110.23	0.444	141.11	25.986	30.771	25.986	0.07	25.742	6.65	27.8
30	-1.698	32.308	-1.79	-1.698	400.5	107.26	0.222	114.24	25.990	30.776	25.990	0.07	25.759	7.08	29.7
32	-1.713	32.313	-1.79	-1.714	391.0	104.67	0.114	76.26	25.995	30.781	25.995	0.09	25.773	7.51	31.7
34	-1.477	32.349	-1.80	-1.478	382.2	103.03	0.226	119.92	26.019	30.797	26.019	0.05	25.787	7.93	33.7
36	-1.563	32.308	-1.80	-1.564	382.0	102.70	0.163	83.44	25.987	30.768	25.987	0.06	25.799	8.35	35.7
38	-1.484	32.349	-1.80	-1.485	377.2	101.64	0.255	81.33	26.018	30.797	26.018	0.13	25.810	8.78	37.7
40	-1.506	32.333	-1.80	-1.507	375.5	101.13	0.162	69.49	26.006	30.786	26.006	0.12	25.820	9.20	39.7
45	-1.654	32.344	-1.80	-1.655	374.4	100.41	0.104	29.86	26.019	30.803	26.019	0.06	25.842	10.26	44.6
50	-1.737	32.350	-1.81	-1.737	371.5	99.42	0.040	18.71	26.025	30.812	26.025	0.04	25.859	11.31	49.6
55	-1.707	32.356	-1.81	-1.708	366.9	98.28	0.046	16.37	26.029	30.815	26.029	0.06	25.875	12.36	54.5
60	-1.698	32.362	-1.82	-1.699	363.1	97.28	0.040	17.03	26.034	30.819	26.034	0.04	25.888	13.41	59.5
65	-1.726	32.365	-1.82	-1.727	359.1	96.13	0.038	11.83	26.037	30.823	26.037	0.06	25.899	14.45	64.4
70	-1.754	32.371	-1.83	-1.755	358.6	95.95	0.039	10.15	26.042	30.829	26.042	0.06	25.909	15.50	69.4
75	-1.752	32.390	-1.83	-1.753	359.7	96.25	0.051	10.96	26.058	30.844	26.058	0.09	25.918	16.53	74.4
80	-1.739	32.422	-1.84	-1.741	357.7	95.77	0.037	13.51	26.084	30.870	26.084	0.10	25.928	17.56	79.3
85	-1.711	32.484	-1.84	-1.712	354.2	94.96	0.364	13.51	26.133	30.918	26.133	0.08	25.939	18.57	84.3
90	-1.669	32.568	-1.85	-1.670	352.3	94.62	0.039	12.56	26.201	30.983	26.201	0.21	25.951	19.55	89.2
95	-1.646	32.656	-1.86	-1.648	348.8	93.80	0.036	12.64	26.272	31.053	26.272	0.17	25.966	20.50	94.2
100	-1.610	32.773	-1.87	-1.612	345.8	93.16	0.038	14.32	26.366	31.145	26.366	0.29	25.984	21.40	99.1
105	-1.563	32.922	-1.88	-1.565	343.8	92.84	0.037	14.90	26.486	31.262	26.486	0.21	26.005	22.25	104.1
110	-1.516	33.081	-1.89	-1.518	339.5	91.94	0.036	15.20	26.614	31.387	26.614	0.23	26.030	23.05	109.0
115	-1.501	33.167	-1.90	-1.504	337.3	91.42	0.038	19.15	26.683	31.455	26.683	0.18	26.057	23.80	114.0
120	-1.494	33.298	-1.91	-1.496	333.2	90.42	0.040	17.76	26.789	31.560	26.789	0.12	26.085	24.50	118.9
125	-1.444	33.404	-1.92	-1.447	331.4	90.12	0.040	19.59	26.874	31.642	26.874	0.12	26.115	25.15	123.9
150	-0.894	33.952	-1.98	-0.898	313.4	86.90	0.035	27.07	27.300	32.047	27.300	0.26	26.281	27.77	148.6
175	-0.192	34.341	-2.02	-0.198	297.9	84.40	0.034	40.97	27.584	32.307	27.585	0.08	26.450	29.53	173.4
200	0.146	34.539	-2.05	0.139	287.7	82.36	0.033	37.36	27.726	32.438	27.727	0.06	26.602	30.80	198.1
225	0.392	34.650	-2.07	0.383	287.2	82.84	0.034	39.35	27.802	32.506	27.802	0.06	26.731	31.84	222.8
250	0.500	34.699	-2.09	0.490	283.7	82.09	0.033	59.90	27.835	32.535	27.835	0.09	26.840	32.76	247.5
275	0.410	34.741	-2.12	0.399	285.5	82.44	0.033	63.31	27.875	32.577	27.875	0.04	26.932	33.59	272.2
300	0.419	34.772	-2.13	0.406	281.0	81.19	0.037	113.79	27.899	32.601	27.899	0.05	27.011	34.34	296.9
302	0.419	34.772	-2.14	0.406	281.1	81.21	0.038	121.64	27.898	32.600	27.899	0.04	27.017	34.40	298.9

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox*	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	2.107	32.016	-1.75	2.107	394.6	116.65	0.128	533.26	25.574	30.252	25.574	0.04	25.574	0.00	0.0
2	2.088	32.016	-1.75	2.088	394.9	116.69	0.131	535.40	25.576	30.254	25.576	0.04	25.574	0.51	2.0
4	2.128	32.011	-1.75	2.127	392.5	116.07	0.109	538.54	25.569	30.246	25.569	0.05	25.573	1.02	4.0
6	2.067	32.010	-1.76	2.067	393.9	116.33	0.107	542.15	25.572	30.251	25.572	0.01	25.572	1.52	6.0
8	2.052	32.018	-1.76	2.052	394.5	116.46	0.114	550.76	25.579	30.259	25.579	0.08	25.573	2.03	7.9
10	2.113	32.017	-1.76	2.112	395.0	116.79	0.113	545.37	25.574	30.252	25.574	0.00	25.574	2.54	9.9
12	2.203	32.003	-1.76	2.202	394.0	116.73	0.136	525.67	25.557	30.233	25.557	0.01	25.572	3.05	11.9
14	2.129	31.990	-1.76	2.129	396.7	117.30	0.266	538.81	25.551	30.229	25.551	0.02	25.570	3.56	13.9
16	0.367	32.023	-1.76	0.367	416.6	117.71	0.317	728.48	25.685	30.412	25.685	1.06	25.574	4.06	15.9
18	-1.154	32.193	-1.78	-1.154	432.2	117.39	0.737	1116.06	25.883	30.653	25.883	1.11	25.598	4.53	17.9
20	-1.283	32.250	-1.78	-1.283	437.0	118.32	1.428	804.72	25.933	30.706	25.933	0.05	25.632	4.97	19.8
22	-1.565	32.260	-1.78	-1.565	444.0	119.31	1.509	631.62	25.948	30.730	25.948	0.16	25.660	5.40	21.8
24	-1.634	32.305	-1.79	-1.634	436.1	117.01	1.222	357.22	25.986	30.770	25.986	0.58	25.685	5.83	23.8
26	-1.394	32.315	-1.79	-1.395	422.3	114.05	0.450	243.60	25.989	30.765	25.989	-0.04	25.710	6.26	25.8
28	-1.511	32.310	-1.79	-1.511	413.1	111.20	0.216	156.52	25.988	30.768	25.988	0.08	25.730	6.69	27.8
30	-1.564	32.320	-1.79	-1.565	400.2	107.58	0.199	169.77	25.997	30.778	25.997	0.01	25.747	7.11	29.7
32	-1.665	32.318	-1.79	-1.666	395.4	106.01	0.341	103.14	25.998	30.782	25.998	0.25	25.763	7.54	31.7
34	-1.652	32.330	-1.79	-1.653	387.8	104.02	0.126	70.23	26.007	30.791	26.007	0.04	25.777	7.96	33.7
36	-1.683	32.329	-1.80	-1.684	383.6	102.79	0.081	50.42	26.007	30.792	26.007	0.08	25.790	8.39	35.7
38	-1.647	32.334	-1.80	-1.648	380.4	102.05	0.084	42.37	26.010	30.794	26.010	0.00	25.801	8.81	37.7
40	-1.656	32.338	-1.80	-1.656	381.7	102.36	0.285	45.03	26.013	30.797	26.013	0.05	25.812	9.23	39.7
45	-1.698	32.341	-1.80	-1.699	381.3	102.14	0.075	28.17	26.017	30.802	26.017	0.05	25.834	10.29	44.6
50	-1.672	32.345	-1.81	-1.673	376.6	100.96	0.051	31.63	26.020	30.805	26.020	0.03	25.853	11.34	49.6
55	-1.708	32.350	-1.81	-1.708	373.3	99.98	0.039	23.77	26.024	30.810	26.024	0.06	25.868	12.39	54.5
60	-1.727	32.357	-1.82	-1.728	369.9	99.01	0.036	21.49	26.030	30.817	26.030	0.05	25.882	13.44	59.5
65	-1.733	32.360	-1.82	-1.734	366.4	98.06	0.036	20.76	26.033	30.820	26.033	0.06	25.893	14.49	64.4
70	-1.731	32.368	-1.83	-1.732	361.8	96.85	0.036	18.78	26.039	30.825	26.039	0.06	25.903	15.53	69.4
75	-1.752	32.381	-1.83	-1.753	358.8	96.00	0.031	16.59	26.050	30.837	26.050	0.09	25.913	16.58	74.4
80	-1.738	32.411	-1.84	-1.739	356.4	95.41	0.034	16.88	26.074	30.861	26.075	0.08	25.922	17.61	79.3
85	-1.719	32.448	-1.84	-1.720	358.0	95.91	0.031	18.71	26.104	30.889	26.104	0.15	25.931	18.63	84.3
90	-1.685	32.527	-1.85	-1.687	355.0	95.27	0.033	17.83	26.168	30.951	26.168	0.17	25.943	19.63	89.2
95	-1.670	32.588	-1.86	-1.672	350.4	94.13	0.035	17.83	26.217	30.999	26.217	0.19	25.956	20.59	94.2
100	-1.614	32.753	-1.87	-1.616	346.0	93.19	0.031	19.88	26.350	31.129	26.350	0.36	25.973	21.51	99.1
105	-1.571	32.889	-1.88	-1.573	343.6	92.75	0.033	20.83	26.459	31.236	26.459	0.22	25.993	22.38	104.1
110	-1.560	33.022	-1.89	-1.562	340.7	92.11	0.033	27.07	26.567	31.342	26.567	0.34	26.017	23.19	109.0
115	-1.507	33.133	-1.90	-1.510	341.5	92.52	0.036	30.23	26.655	31.428	26.655	0.23	26.043	23.95	114.0
120	-1.442	33.253	-1.91	-1.445	338.1	91.85	0.037	41.34	26.751	31.521	26.751	0.38	26.070	24.68	118.9
125	-1.458	33.373	-1.92	-1.461	335.0	91.05	0.035	24.57	26.849	31.618	26.849	0.17	26.099	25.35	123.9
150	-0.909	33.970	-1.98	-0.913	320.2	88.74	0.039	29.93	27.315	32.062	27.315	0.14	26.262	28.04	148.6
175	-0.135	34.394	-2.02	-0.141	299.7	85.08	0.030	45.77	27.624	32.345	27.625	0.08	26.436	29.77	173.4
200	0.197	34.566	-2.05	0.189	291.3	83.53	0.030	47.84	27.746	32.456	27.746	0.05	26.593	30.97	198.1
225	0.390	34.650	-2.07	0.381	289.7	83.57	0.033	45.33	27.802	32.506	27.803	0.03	26.725	31.98	222.8
250	0.474	34.693	-2.09	0.464	289.7	83.77	0.031	69.18	27.832	32.533	27.832	0.06	26.834	32.89	247.5
275	0.418	34.741	-2.11	0.406	287.7	83.10	0.032	69.03	27.874	32.576	27.875	0.06	26.927	33.71	272.2
300	0.417	34.775	-2.13	0.404	281.1	81.21	0.041	121.03	27.901	32.603	27.902	0.04	27.008	34.45	296.9
306	0.417	34.773	-2.14	0.404	280.4	81.02	0.043	125.41	27.899	32.602	27.900	0.04	27.025	34.62	302.9

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	2.575	31.787	-1.74	2.575	366.4	109.42	0.072	376.49	25.356	30.023	25.356	0.02	25.356	0.00	0.0
2	2.596	31.779	-1.74	2.596	367.3	109.75	0.085	373.75	25.348	30.015	25.348	0.02	25.353	0.55	2.0
4	2.408	31.848	-1.75	2.407	374.7	111.47	0.105	414.70	25.417	30.089	25.417	-0.50	25.373	1.09	4.0
6	2.585	31.788	-1.74	2.584	373.4	111.55	0.104	384.35	25.356	30.023	25.356	0.09	25.371	1.64	6.0
8	2.580	31.787	-1.75	2.580	375.3	112.08	0.123	382.77	25.355	30.022	25.355	-0.01	25.368	2.19	7.9
10	2.583	31.783	-1.75	2.583	374.8	111.95	0.098	378.03	25.352	30.019	25.352	0.05	25.365	2.74	9.9
12	2.360	31.936	-1.76	2.359	377.2	112.16	0.214	441.95	25.491	30.164	25.491	1.68	25.370	3.29	11.9
14	1.333	32.152	-1.77	1.332	388.8	112.76	0.284	564.92	25.735	30.434	25.735	0.55	25.410	3.78	13.9
16	1.072	32.192	-1.77	1.071	390.5	112.53	0.550	570.49	25.783	30.489	25.783	0.18	25.454	4.25	15.9
18	0.472	32.202	-1.78	0.472	399.3	113.30	0.584	557.96	25.825	30.547	25.825	0.39	25.493	4.71	17.9
20	-0.391	32.282	-1.78	-0.391	411.2	114.10	0.940	391.10	25.929	30.676	25.929	0.38	25.531	5.16	19.8
22	-0.947	32.271	-1.78	-0.947	419.3	114.61	0.624	495.86	25.940	30.703	25.940	0.34	25.568	5.60	21.8
24	-1.356	32.275	-1.78	-1.356	422.2	114.12	1.317	388.57	25.955	30.731	25.955	0.19	25.600	6.03	23.8
26	-1.611	32.302	-1.79	-1.611	416.6	111.83	0.330	92.41	25.983	30.766	25.983	0.17	25.628	6.46	25.8
28	-1.620	32.326	-1.79	-1.621	405.7	108.89	0.139	61.09	26.003	30.786	26.003	0.04	25.655	6.89	27.8
30	-1.590	32.331	-1.79	-1.590	397.3	106.75	0.143	87.15	26.006	30.789	26.006	-0.08	25.678	7.31	29.8
32	-1.631	32.336	-1.79	-1.631	391.7	105.12	0.115	56.64	26.011	30.795	26.011	0.08	25.699	7.74	31.7
34	-1.658	32.336	-1.80	-1.659	386.1	103.55	0.083	31.11	26.012	30.796	26.012	0.03	25.717	8.16	33.7
36	-1.681	32.342	-1.80	-1.682	383.9	102.89	0.050	26.78	26.017	30.802	26.017	0.08	25.734	8.58	35.7
38	-1.676	32.345	-1.80	-1.676	382.0	102.39	0.048	28.91	26.020	30.805	26.020	0.08	25.749	9.00	37.7
40	-1.664	32.343	-1.80	-1.665	379.1	101.66	0.058	37.07	26.018	30.802	26.018	0.04	25.762	9.42	39.7
45	-1.699	32.346	-1.80	-1.700	375.8	100.68	0.053	20.54	26.021	30.806	26.021	0.05	25.791	10.48	44.6
50	-1.710	32.353	-1.81	-1.711	371.9	99.61	0.045	17.90	26.027	30.813	26.027	0.04	25.814	11.53	49.6
55	-1.712	32.365	-1.81	-1.713	369.4	98.94	0.039	17.10	26.037	30.823	26.037	0.15	25.834	12.58	54.5
60	-1.725	32.365	-1.82	-1.725	367.5	98.40	0.039	16.00	26.037	30.823	26.037	0.07	25.851	13.62	59.5
65	-1.744	32.369	-1.82	-1.745	365.3	97.77	0.036	14.03	26.041	30.828	26.041	0.08	25.865	14.67	64.4
70	-1.742	32.375	-1.83	-1.743	363.4	97.25	0.036	15.34	26.046	30.832	26.046	0.09	25.878	15.71	69.4
75	-1.736	32.403	-1.83	-1.738	360.8	96.59	0.036	15.20	26.068	30.854	26.068	0.08	25.890	16.74	74.4
80	-1.725	32.446	-1.84	-1.726	359.8	96.39	0.037	16.81	26.103	30.888	26.103	0.12	25.902	17.76	79.3
85	-1.682	32.532	-1.85	-1.684	357.7	96.01	0.037	15.78	26.171	30.955	26.171	0.17	25.916	18.76	84.3
90	-1.656	32.589	-1.85	-1.657	356.1	95.69	0.036	16.37	26.217	30.999	26.217	0.14	25.931	19.73	89.2
95	-1.628	32.667	-1.86	-1.630	353.9	95.22	0.037	16.59	26.280	31.061	26.280	0.21	25.948	20.67	94.2
100	-1.598	32.792	-1.87	-1.600	351.4	94.72	0.040	17.25	26.381	31.160	26.381	0.27	25.967	21.57	99.1
105	-1.566	32.913	-1.88	-1.568	347.4	93.82	0.038	17.25	26.479	31.255	26.479	0.21	25.989	22.42	104.1
110	-1.545	33.026	-1.89	-1.547	344.9	93.27	0.037	17.83	26.569	31.344	26.570	0.17	26.014	23.22	109.0
115	-1.508	33.177	-1.90	-1.511	342.2	92.74	0.037	19.08	26.691	31.463	26.691	0.20	26.040	23.98	114.0
120	-1.453	33.306	-1.92	-1.456	339.4	92.22	0.038	18.86	26.795	31.564	26.795	0.31	26.069	24.68	118.9
125	-1.423	33.448	-1.93	-1.425	336.0	91.48	0.035	19.59	26.909	31.677	26.909	0.34	26.100	25.33	123.9
150	-0.777	34.008	-1.98	-0.781	319.4	88.88	0.037	29.71	27.341	32.084	27.341	0.17	26.272	27.89	148.6
175	-0.195	34.371	-2.02	-0.201	303.1	85.90	0.084	36.41	27.608	32.331	27.609	0.04	26.444	29.63	173.4
200	0.133	34.538	-2.05	0.126	295.2	84.48	0.034	39.65	27.726	32.438	27.727	0.06	26.598	30.88	198.1
225	0.359	34.637	-2.07	0.350	291.9	84.10	0.034	40.75	27.793	32.498	27.794	0.08	26.728	31.92	222.8
250	0.493	34.692	-2.09	0.483	290.4	84.02	0.032	49.24	27.830	32.531	27.831	0.07	26.836	32.85	247.5
275	0.430	34.726	-2.11	0.418	289.2	83.54	0.032	67.40	27.861	32.563	27.862	0.06	26.928	33.70	272.2
300	0.436	34.743	-2.13	0.423	282.9	81.74	0.035	117.71	27.874	32.576	27.875	0.05	27.006	34.50	296.9
302	0.438	34.743	-2.13	0.425	282.7	81.70	0.034	119.37	27.874	32.576	27.875	0.06	27.012	34.56	298.9

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
25	42	27 JUL 92	2220	80 27.15	-13 23.04	306		0

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	484	2.575	31.869	2.575	25.421		400.8	.01	-.01	.11	.79	1.26
3	483	2.486	31.872	2.486	25.430		410.1	.02	-.02	.10	.79	1.19
5	482	2.964	31.809	2.964	25.342		388.9	.23	-.02	.10	.78	1.45
7	481	2.997	31.809	2.997	25.339		389.2	.20	-.02	.12	.78	1.47
9	480	3.011	31.801	3.011	25.331		389.0	.20	-.02	.12	.77	1.44
11	479	3.015	31.805	3.015	25.334		392.1	.20	-.02	.12	.76	1.41
17	478	.056	32.296	.056	25.921		440.0	.24	-.02	.11	.81	2.70
25	476	-1.087	32.322	-1.087	25.986		385.9	1.52	-.01	.12	1.01	5.91
25	477	-1.067	32.319	-1.067	25.983		385.4	1.30	-.01	.12	1.00	5.80
148	475	-.911	33.916	-.915	27.272		310.7	10.96	-.02	.14	1.00	8.88
194	474	.134	34.531	.127	27.721		289.2	13.35	-.01	.14	1.02	8.89
305	473	.441	34.740	.428	27.872		283.3	13.77	-.01	.14	1.05	9.52

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	484	2.20	.09	21.8	2.1	2001.2	2192.6	116000			
3	483	2.61	.20	27.7	2.1			134000			
5	482	1.76	.18	21.1	1.9			108000			
7	481	1.64	.23	17.9	1.9			94100			
9	480	1.50	.28	23.6	2.0	2001.5	2190.0	97100			
11	479	1.53	.28	22.5	2.0			126000			
17	478	4.34	.56	31.3	3.0			161000			
25	476					2089.3	2223.9	71400			
25	477	8.22	1.02	20.9	4.1						
148	475	.07	.06			2135.9	2258.4				
194	474	.06	.07			2142.4	2271.3				
305	473					2149.8	2280.5				

NEWP 92 STA 25 CTD 42

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	2.534	31.858	-1.74	2.534	385.8	115.17	0.241	481.80	25.416	30.084	25.416	0.06	25.415	0.00	0.0
2	2.511	31.864	-1.75	2.511	385.1	114.89	0.245	485.46	25.422	30.091	25.422	0.23	25.415	0.54	2.0
4	2.450	31.875	-1.75	2.449	384.5	114.52	0.244	493.36	25.435	30.106	25.435	0.02	25.425	1.07	4.0
6	2.506	31.866	-1.75	2.505	385.6	115.02	0.263	488.97	25.424	30.093	25.424	-0.05	25.427	1.61	6.0
8	2.518	31.867	-1.75	2.518	385.4	115.00	0.372	485.26	25.424	30.092	25.424	-0.05	25.426	2.15	7.9
10	2.649	31.842	-1.75	2.648	382.5	114.49	0.240	466.32	25.394	30.059	25.394	-0.28	25.423	2.69	9.9
12	2.775	31.808	-1.75	2.775	380.2	114.12	0.227	456.16	25.356	30.019	25.356	0.03	25.414	3.23	11.9
14	1.475	32.049	-1.76	1.475	392.3	114.14	0.272	598.95	25.644	30.339	25.644	2.95	25.416	3.77	13.9
16	0.432	32.178	-1.77	0.432	407.7	115.54	0.438	679.19	25.808	30.531	25.808	0.67	25.458	4.24	15.9
18	0.270	32.217	-1.78	0.269	425.3	120.04	0.684	554.05	25.847	30.574	25.847	0.33	25.500	4.70	17.9
20	-0.352	32.294	-1.78	-0.353	439.1	121.96	0.748	622.51	25.937	30.682	25.937	0.39	25.539	5.15	19.8
22	-0.771	32.303	-1.78	-0.771	443.9	121.93	0.924	714.19	25.960	30.717	25.960	0.18	25.576	5.58	21.8
24	-1.232	32.289	-1.78	-1.232	451.3	122.41	2.019	779.40	25.963	30.734	25.963	-0.05	25.608	6.01	23.8
26	-1.517	32.310	-1.79	-1.518	437.4	117.72	1.716	572.00	25.988	30.768	25.988	0.02	25.637	6.44	25.8
28	-1.638	32.315	-1.79	-1.638	422.9	113.45	0.405	186.48	25.994	30.778	25.994	0.11	25.662	6.87	27.8
30	-1.493	32.338	-1.79	-1.494	404.6	108.99	0.192	153.76	26.010	30.789	26.010	-0.01	25.685	7.29	29.8
32	-1.507	32.335	-1.79	-1.508	395.5	106.49	0.442	233.26	26.007	30.787	26.007	0.05	25.705	7.72	31.7
34	-1.597	32.331	-1.79	-1.598	389.5	104.61	0.218	136.03	26.006	30.789	26.006	0.05	25.723	8.14	33.7
36	-1.653	32.336	-1.80	-1.654	386.1	103.54	0.112	73.89	26.012	30.796	26.012	0.05	25.739	8.56	35.7
38	-1.668	32.340	-1.80	-1.669	382.4	102.53	0.073	36.48	26.016	30.800	26.016	0.05	25.753	8.99	37.7
40	-1.673	32.343	-1.80	-1.674	379.3	101.69	0.060	29.57	26.018	30.803	26.018	0.06	25.766	9.41	39.7
45	-1.679	32.348	-1.80	-1.679	375.5	100.66	0.054	22.15	26.022	30.807	26.022	0.07	25.794	10.46	44.6
50	-1.739	32.351	-1.81	-1.739	373.7	100.00	0.039	15.93	26.026	30.813	26.026	0.05	25.817	11.51	49.6
55	-1.747	32.357	-1.81	-1.748	372.0	99.54	0.038	14.61	26.031	30.818	26.031	0.05	25.837	12.56	54.5
60	-1.736	32.360	-1.82	-1.737	369.8	98.98	0.040	15.93	26.034	30.820	26.034	0.06	25.853	13.61	59.5
65	-1.753	32.367	-1.82	-1.754	366.9	98.15	0.035	13.08	26.039	30.826	26.039	0.04	25.867	14.65	64.4
70	-1.746	32.377	-1.83	-1.747	365.2	97.72	0.057	12.93	26.047	30.834	26.047	0.06	25.879	15.70	69.4
75	-1.745	32.389	-1.83	-1.746	362.8	97.09	0.034	13.88	26.057	30.843	26.057	0.08	25.891	16.73	74.4
80	-1.731	32.419	-1.84	-1.733	361.2	96.74	0.034	14.32	26.081	30.867	26.081	0.08	25.902	17.76	79.3
85	-1.712	32.470	-1.84	-1.714	361.4	96.86	0.035	14.68	26.122	30.907	26.122	0.09	25.914	18.78	84.3
90	-1.699	32.537	-1.85	-1.701	357.6	95.93	0.034	15.56	26.177	30.960	26.177	0.26	25.927	19.77	89.2
95	-1.647	32.651	-1.86	-1.649	355.0	95.47	0.034	15.34	26.268	31.049	26.268	0.32	25.942	20.72	94.2
100	-1.592	32.791	-1.87	-1.594	350.9	94.59	0.036	15.86	26.380	31.158	26.380	0.17	25.962	21.61	99.1
105	-1.569	32.891	-1.88	-1.571	348.3	94.02	0.035	16.07	26.461	31.237	26.461	0.22	25.984	22.47	104.1
110	-1.559	32.966	-1.89	-1.561	344.9	93.20	0.036	16.15	26.522	31.297	26.522	0.21	26.007	23.29	109.0
115	-1.532	33.104	-1.90	-1.534	341.7	92.50	0.035	15.86	26.632	31.406	26.632	0.18	26.032	24.07	114.0
120	-1.500	33.219	-1.91	-1.503	338.9	91.90	0.036	16.29	26.725	31.497	26.725	0.40	26.059	24.80	118.9
125	-1.406	33.372	-1.92	-1.409	335.7	91.37	0.034	17.54	26.847	31.614	26.847	0.25	26.088	25.48	123.9
150	-0.830	33.992	-1.98	-0.834	318.0	88.35	0.036	25.45	27.330	32.075	27.330	0.16	26.254	28.16	148.6
175	-0.168	34.372	-2.02	-0.174	299.5	84.93	0.033	36.77	27.608	32.330	27.608	0.12	26.432	29.83	173.4
200	0.145	34.541	-2.05	0.137	293.8	84.12	0.032	37.29	27.728	32.439	27.728	0.08	26.588	31.06	198.1
225	0.392	34.650	-2.07	0.383	291.2	84.00	0.031	43.41	27.802	32.506	27.803	0.05	26.719	32.09	222.8
250	0.490	34.689	-2.09	0.479	289.8	83.83	0.034	48.72	27.827	32.528	27.828	0.06	26.829	33.02	247.5
275	0.539	34.731	-2.11	0.528	288.7	83.66	0.031	142.78	27.859	32.558	27.860	0.04	26.921	33.88	272.2
300	0.447	34.740	-2.13	0.434	285.4	82.49	0.031	97.70	27.872	32.573	27.872	0.04	27.000	34.68	296.9
306	0.438	34.741	-2.14	0.425	284.8	82.30	0.032	124.41	27.873	32.575	27.874	0.03	27.017	34.87	302.9

NEWP 92 STA 25 CTD 43

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	2.593	31.722	-1.74	2.593	379.9	113.45	0.162	409.50	25.302	29.970	25.302	0.06	25.302	0.00	0.0
2	2.587	31.717	-1.74	2.587	379.9	113.41	0.200	413.91	25.299	29.967	25.299	0.00	25.302	0.56	2.0
4	2.578	31.722	-1.74	2.577	379.9	113.40	0.194	418.62	25.303	29.971	25.303	-0.03	25.302	1.12	4.0
6	2.538	31.729	-1.74	2.538	380.3	113.41	0.180	421.09	25.312	29.981	25.312	0.00	25.302	1.68	6.0
8	2.629	31.703	-1.74	2.629	379.6	113.45	0.158	411.07	25.284	29.951	25.284	0.01	25.301	2.24	7.9
10	2.636	31.698	-1.74	2.635	380.5	113.74	0.166	407.00	25.280	29.947	25.280	0.01	25.298	2.81	9.9
12	2.252	31.803	-1.75	2.251	385.5	114.19	0.153	458.54	25.392	30.069	25.392	1.48	25.299	3.37	11.9
14	1.268	32.128	-1.77	1.267	395.0	114.36	0.368	574.34	25.720	30.421	25.720	1.71	25.333	3.88	13.9
16	0.164	32.208	-1.77	0.163	407.6	114.71	0.874	564.99	25.845	30.576	25.845	0.82	25.388	4.35	15.9
18	-0.786	32.165	-1.77	-0.786	420.5	115.31	0.730	651.79	25.848	30.608	25.848	0.14	25.440	4.80	17.9
20	-1.334	32.267	-1.78	-1.335	425.7	115.12	1.204	975.57	25.948	30.723	25.948	0.53	25.486	5.25	19.8
22	-1.287	32.349	-1.79	-1.287	426.7	115.61	1.795	609.96	26.013	30.786	26.013	0.63	25.530	5.68	21.8
24	-1.054	32.319	-1.79	-1.055	425.0	115.86	1.227	468.94	25.982	30.748	25.982	-0.06	25.569	6.10	23.8
26	-1.193	32.298	-1.79	-1.193	419.2	113.81	1.369	436.32	25.969	30.740	25.969	0.01	25.600	6.53	25.8
28	-1.401	32.301	-1.79	-1.402	413.6	111.67	1.260	348.70	25.978	30.754	25.978	0.15	25.627	6.96	27.8
30	-1.504	32.305	-1.79	-1.504	408.7	110.03	0.644	255.14	25.984	30.763	25.984	-0.05	25.651	7.39	29.8
32	-1.586	32.326	-1.79	-1.586	401.7	107.92	0.563	173.88	26.002	30.784	26.002	0.21	25.672	7.82	31.7
34	-1.561	32.320	-1.79	-1.561	397.3	106.80	0.243	122.17	25.997	30.778	25.997	-0.12	25.692	8.24	33.7
36	-1.714	32.317	-1.80	-1.715	394.1	105.50	0.098	104.77	25.998	30.784	25.998	0.13	25.708	8.67	35.7
38	-1.738	32.331	-1.80	-1.738	389.7	104.28	0.176	67.70	26.010	30.797	26.010	0.10	25.724	9.09	37.7
40	-1.716	32.335	-1.80	-1.717	388.0	103.88	0.082	52.72	26.013	30.799	26.013	0.09	25.738	9.52	39.7
45	-1.682	32.344	-1.80	-1.682	380.5	101.98	0.049	36.33	26.019	30.804	26.019	0.05	25.769	10.57	44.6
50	-1.703	32.348	-1.81	-1.704	375.5	100.59	0.041	26.04	26.023	30.808	26.023	0.05	25.794	11.63	49.6
55	-1.722	32.350	-1.81	-1.723	372.9	99.84	0.046	25.68	26.025	30.811	26.025	0.00	25.815	12.68	54.5
60	-1.722	32.358	-1.82	-1.723	370.4	99.17	0.071	19.88	26.031	30.817	26.031	0.08	25.833	13.73	59.5
65	-1.711	32.366	-1.82	-1.713	369.0	98.82	0.038	16.88	26.037	30.823	26.037	0.05	25.848	14.77	64.4
70	-1.738	32.371	-1.83	-1.739	366.7	98.14	0.034	13.81	26.042	30.828	26.042	0.08	25.862	15.82	69.4
75	-1.744	32.391	-1.83	-1.745	363.8	97.38	0.032	13.88	26.059	30.845	26.059	0.08	25.874	16.85	74.4
80	-1.728	32.425	-1.84	-1.729	360.5	96.57	0.032	14.10	26.086	30.872	26.086	0.14	25.886	17.88	79.3
85	-1.716	32.474	-1.84	-1.718	357.1	95.72	0.032	15.49	26.126	30.910	26.126	0.10	25.900	18.89	84.3
90	-1.668	32.541	-1.85	-1.670	356.0	95.59	0.032	13.66	26.179	30.962	26.179	0.16	25.913	19.88	89.2
95	-1.647	32.650	-1.86	-1.648	353.6	95.08	0.031	15.27	26.267	31.048	26.267	0.63	25.929	20.84	94.2
100	-1.598	32.768	-1.87	-1.600	350.1	94.34	0.035	15.64	26.361	31.140	26.361	0.38	25.948	21.75	99.1
105	-1.565	32.926	-1.88	-1.567	346.6	93.61	0.033	16.22	26.489	31.265	26.489	0.34	25.972	22.59	104.1
110	-1.525	33.076	-1.89	-1.527	344.2	93.18	0.033	16.44	26.610	31.384	26.610	0.20	25.999	23.38	109.0
115	-1.494	33.199	-1.91	-1.496	340.4	92.30	0.033	16.44	26.709	31.480	26.709	0.18	26.027	24.12	114.0
120	-1.438	33.296	-1.91	-1.440	336.2	91.37	0.032	18.71	26.786	31.555	26.786	0.22	26.057	24.82	118.9
125	-1.382	33.417	-1.93	-1.384	334.6	91.17	0.033	18.56	26.883	31.649	26.883	0.10	26.089	25.47	123.9
150	-0.861	33.995	-1.98	-0.865	317.4	88.11	0.030	23.11	27.334	32.079	27.334	0.09	26.259	28.08	148.6
175	-0.310	34.326	-2.02	-0.316	301.4	85.11	0.038	34.93	27.577	32.304	27.577	0.04	26.432	29.83	173.4
200	0.181	34.563	-2.05	0.174	292.7	83.91	0.030	37.14	27.744	32.454	27.744	0.11	26.587	31.09	198.1
225	0.389	34.649	-2.07	0.380	289.5	83.49	0.033	40.24	27.801	32.505	27.802	0.06	26.719	32.10	222.8
250	0.491	34.690	-2.09	0.481	288.5	83.46	0.031	51.39	27.828	32.529	27.829	0.09	26.828	33.03	247.5
275	0.552	34.730	-2.11	0.541	286.3	82.96	0.030	145.97	27.857	32.556	27.858	0.05	26.921	33.88	272.2
293	0.552	34.734	-2.13	0.540	283.0	82.03	0.034	156.69	27.860	32.559	27.861	0.04	26.979	34.47	290.0

NEWP 92 STA 26 CTD 44

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.762	31.357	-1.72	1.762	367.5	107.13	0.072	229.88	25.070	29.763	25.070	0.04	25.070	0.00	0.0
2	1.762	31.353	-1.72	1.762	366.9	106.96	0.086	232.46	25.067	29.760	25.067	0.01	25.069	0.61	2.0
4	1.772	31.357	-1.72	1.772	366.9	107.00	0.113	240.27	25.069	29.762	25.069	0.02	25.069	1.21	4.0
6	1.760	31.346	-1.72	1.760	366.2	106.75	0.133	230.98	25.062	29.755	25.062	-0.06	25.068	1.82	6.0
8	1.760	31.340	-1.72	1.759	365.6	106.58	0.078	223.88	25.056	29.750	25.056	-0.05	25.066	2.43	7.9
10	1.744	31.371	-1.72	1.743	365.3	106.47	0.086	266.95	25.083	29.776	25.083	2.07	25.063	3.04	9.9
12	0.800	32.249	-1.77	0.799	373.3	106.86	0.489	638.67	25.845	30.558	25.845	0.78	25.142	3.55	11.9
14	-0.634	32.244	-1.77	-0.635	405.0	111.58	1.130	545.15	25.908	30.662	25.908	0.27	25.248	4.00	13.9
16	-1.323	32.278	-1.78	-1.323	418.3	113.15	0.939	317.68	25.957	30.731	25.957	0.16	25.333	4.44	15.9
18	-1.423	32.292	-1.78	-1.424	410.0	110.62	0.609	165.23	25.971	30.748	25.971	0.05	25.403	4.87	17.9
20	-1.468	32.299	-1.78	-1.469	403.2	108.67	0.229	135.94	25.977	30.756	25.977	0.08	25.460	5.30	19.8
22	-1.522	32.301	-1.78	-1.523	398.5	107.25	0.357	108.90	25.980	30.761	25.980	0.09	25.507	5.73	21.8
24	-1.520	32.309	-1.79	-1.520	392.9	105.73	0.218	68.30	25.987	30.767	25.987	0.07	25.547	6.16	23.8
26	-1.561	32.306	-1.79	-1.562	388.3	104.39	0.203	65.09	25.986	30.767	25.986	0.08	25.580	6.58	25.8
28	-1.593	32.309	-1.79	-1.594	385.1	103.42	0.138	60.27	25.989	30.771	25.989	0.09	25.610	7.01	27.8
30	-1.636	32.306	-1.79	-1.637	386.3	103.62	0.092	59.98	25.987	30.771	25.987	0.05	25.635	7.44	29.8
32	-1.670	32.311	-1.79	-1.670	380.9	102.09	0.140	60.49	25.992	30.776	25.992	0.05	25.657	7.87	31.7
34	-1.688	32.313	-1.79	-1.688	380.2	101.85	0.172	47.99	25.994	30.779	25.994	0.04	25.677	8.29	33.7
36	-1.707	32.316	-1.80	-1.708	379.0	101.48	0.093	40.38	25.997	30.783	25.997	0.07	25.694	8.72	35.7
38	-1.709	32.317	-1.80	-1.710	374.4	100.25	0.096	34.79	25.998	30.784	25.998	0.05	25.711	9.14	37.7
40	-1.715	32.318	-1.80	-1.716	373.4	99.95	0.112	31.84	25.999	30.785	25.999	0.05	25.725	9.57	39.7
45	-1.729	32.323	-1.80	-1.729	372.3	99.65	0.047	23.40	26.003	30.790	26.003	0.05	25.756	10.63	44.6
50	-1.736	32.327	-1.81	-1.736	368.0	98.46	0.069	24.13	26.006	30.793	26.006	0.08	25.781	11.69	49.6
55	-1.682	32.337	-1.81	-1.683	366.6	98.26	0.057	37.00	26.013	30.798	26.013	0.03	25.802	12.75	54.5
60	-1.750	32.345	-1.82	-1.750	366.6	98.08	0.037	17.39	26.021	30.809	26.021	0.05	25.820	13.80	59.5
65	-1.757	32.351	-1.82	-1.758	361.1	96.59	0.033	16.15	26.027	30.814	26.027	0.06	25.836	14.85	64.4
70	-1.754	32.362	-1.82	-1.755	359.7	96.23	0.033	15.93	26.035	30.822	26.035	0.06	25.850	15.90	69.4
75	-1.748	32.382	-1.83	-1.749	358.6	95.97	0.030	16.44	26.052	30.838	26.052	0.09	25.862	16.94	74.4
80	-1.740	32.405	-1.83	-1.742	353.5	94.63	0.031	16.88	26.070	30.856	26.070	0.09	25.875	17.97	79.3
85	-1.731	32.441	-1.84	-1.732	351.9	94.26	0.032	17.61	26.099	30.884	26.099	0.15	25.887	19.00	84.3
90	-1.717	32.485	-1.85	-1.718	349.3	93.63	0.032	18.05	26.134	30.919	26.134	0.16	25.900	20.00	89.2
95	-1.678	32.578	-1.86	-1.680	348.7	93.65	0.049	18.49	26.209	30.992	26.209	0.40	25.914	20.98	94.2
100	-1.639	32.692	-1.87	-1.640	347.9	93.60	0.032	19.22	26.301	31.081	26.301	0.16	25.931	21.91	99.1
105	-1.581	32.869	-1.88	-1.583	343.8	92.78	0.033	19.66	26.443	31.220	26.443	0.44	25.952	22.80	104.1
110	-1.524	33.054	-1.89	-1.526	340.3	92.11	0.032	20.17	26.592	31.366	26.592	0.21	25.978	23.60	109.0
115	-1.468	33.236	-1.91	-1.471	336.0	91.19	0.031	20.32	26.738	31.508	26.738	0.21	26.008	24.34	114.0
120	-1.446	33.380	-1.92	-1.449	330.9	89.97	0.033	20.25	26.854	31.623	26.854	0.10	26.041	25.01	118.9
125	-1.435	33.447	-1.93	-1.437	329.9	89.79	0.033	20.17	26.909	31.677	26.909	0.28	26.074	25.64	123.9
150	-0.812	34.014	-1.98	-0.817	316.5	87.98	0.029	28.32	27.347	32.091	27.347	0.15	26.251	28.20	148.6
175	-0.365	34.325	-2.02	-0.371	303.0	85.44	0.028	32.36	27.579	32.307	27.580	0.14	26.427	29.91	173.4
200	0.110	34.516	-2.05	0.102	295.6	84.54	0.030	56.93	27.710	32.423	27.710	0.15	26.581	31.21	198.1
225	0.306	34.631	-2.07	0.297	292.7	84.22	0.030	44.51	27.792	32.498	27.792	0.07	26.711	32.28	222.8
250	0.438	34.681	-2.09	0.427	293.2	84.70	0.029	49.31	27.824	32.526	27.824	0.03	26.821	33.21	247.5
275	0.437	34.724	-2.11	0.426	290.8	84.01	0.030	60.64	27.859	32.561	27.859	0.04	26.913	34.08	272.2
300	0.411	34.754	-2.13	0.398	288.4	83.30	0.030	88.72	27.885	32.587	27.885	0.04	26.993	34.87	297.0
325	0.412	34.755	-2.15	0.398	285.0	82.32	0.029	105.29	27.886	32.588	27.886	0.05	27.062	35.62	321.7
344	0.413	34.757	-2.17	0.398	283.3	81.81	0.030	126.93	27.887	32.590	27.888	0.04	27.107	36.19	340.4

NEWP 92 STA 27 CTD 45

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.102	32.292	-1.77	0.102	361.5	101.65	0.099	118.62	25.916	30.647	25.916	0.04	25.916	0.00	0.0
2	0.103	32.291	-1.77	0.103	362.1	101.81	0.094	119.45	25.915	30.647	25.915	0.04	25.915	0.44	2.0
4	0.106	32.290	-1.77	0.106	362.7	101.98	0.081	120.05	25.914	30.646	25.914	0.04	25.915	0.88	4.0
6	0.114	32.290	-1.77	0.114	364.3	102.44	0.062	121.71	25.914	30.645	25.914	0.03	25.915	1.33	5.9
8	0.104	32.292	-1.77	0.104	363.8	102.28	0.059	118.84	25.916	30.647	25.916	0.07	25.915	1.77	7.9
10	0.123	32.289	-1.77	0.122	364.5	102.53	0.063	120.13	25.913	30.644	25.913	-0.02	25.915	2.21	9.9
12	0.106	32.290	-1.78	0.105	364.7	102.56	0.049	122.85	25.914	30.646	25.914	0.05	25.915	2.65	11.9
14	0.107	32.290	-1.78	0.107	365.8	102.84	0.061	120.51	25.914	30.646	25.914	0.05	25.915	3.09	13.9
16	0.107	32.290	-1.78	0.106	366.0	102.90	0.073	118.24	25.914	30.646	25.914	0.04	25.915	3.53	15.9
18	0.098	32.289	-1.78	0.097	366.6	103.06	0.172	119.97	25.913	30.645	25.913	0.04	25.914	3.98	17.8
20	0.087	32.290	-1.78	0.086	367.2	103.20	0.137	119.90	25.915	30.647	25.915	0.05	25.914	4.42	19.8
22	-0.157	32.230	-1.78	-0.158	369.9	103.22	0.196	131.55	25.877	30.617	25.877	-0.71	25.914	4.86	21.8
24	-1.195	32.207	-1.78	-1.195	381.6	103.53	0.203	272.40	25.896	30.667	25.896	0.59	25.909	5.31	23.8
26	-1.513	32.267	-1.79	-1.514	383.6	103.23	0.463	315.48	25.953	30.733	25.953	0.11	25.912	5.75	25.8
28	-1.583	32.324	-1.79	-1.583	381.2	102.44	0.226	105.66	26.001	30.783	26.001	0.31	25.916	6.18	27.8
30	-1.388	32.363	-1.79	-1.388	380.2	102.73	0.166	322.81	26.028	30.803	26.028	-0.09	25.923	6.60	29.7
32	-1.378	32.349	-1.79	-1.378	379.4	102.54	0.496	356.03	26.016	30.792	26.016	-0.08	25.929	7.02	31.7
34	-1.525	32.330	-1.79	-1.526	383.0	103.08	0.695	256.31	26.004	30.784	26.004	0.01	25.934	7.45	33.7
36	-1.673	32.339	-1.80	-1.674	385.5	103.33	0.305	93.75	26.015	30.799	26.015	0.16	25.938	7.87	35.7
38	-1.694	32.351	-1.80	-1.694	385.8	103.38	0.174	78.71	26.025	30.810	26.025	0.05	25.942	8.29	37.7
40	-1.701	32.352	-1.80	-1.702	387.0	103.67	0.172	58.94	26.026	30.812	26.026	0.06	25.946	8.71	39.7
45	-1.704	32.359	-1.80	-1.705	382.6	102.49	0.090	64.50	26.031	30.817	26.031	0.06	25.956	9.76	44.6
50	-1.674	32.367	-1.81	-1.675	378.1	101.38	0.142	95.15	26.037	30.822	26.037	0.05	25.964	10.80	49.6
55	-1.683	32.372	-1.81	-1.684	376.8	101.00	0.156	94.03	26.042	30.827	26.042	0.06	25.971	11.85	54.5
60	-1.694	32.384	-1.82	-1.695	372.9	99.93	0.086	101.23	26.052	30.837	26.052	0.06	25.977	12.89	59.5
65	-1.704	32.391	-1.82	-1.706	369.2	98.93	0.132	95.60	26.058	30.843	26.058	0.08	25.983	13.92	64.4
70	-1.705	32.397	-1.83	-1.706	366.6	98.22	0.062	92.38	26.063	30.848	26.063	0.07	25.989	14.96	69.4
75	-1.716	32.423	-1.83	-1.717	363.1	97.30	0.068	68.96	26.084	30.869	26.084	0.15	25.994	15.98	74.3
80	-1.713	32.449	-1.84	-1.714	360.2	96.53	0.148	65.24	26.105	30.890	26.105	0.08	26.001	17.00	79.3
85	-1.693	32.514	-1.84	-1.695	358.1	96.06	0.037	54.12	26.157	30.941	26.157	0.19	26.008	18.00	84.3
90	-1.679	32.542	-1.85	-1.680	355.0	95.31	0.037	46.29	26.180	30.963	26.180	0.07	26.017	18.98	89.2
95	-1.641	32.648	-1.86	-1.643	352.7	94.85	0.042	38.69	26.265	31.046	26.265	0.42	26.028	19.93	94.2
100	-1.583	32.814	-1.87	-1.585	349.2	94.18	0.045	38.17	26.399	31.176	26.399	0.21	26.044	20.82	99.1
105	-1.550	32.922	-1.88	-1.552	346.6	93.64	0.078	34.79	26.485	31.261	26.485	0.26	26.063	21.67	104.1
110	-1.532	32.968	-1.89	-1.534	344.2	93.07	0.038	30.59	26.522	31.297	26.522	0.12	26.083	22.48	109.0
115	-1.508	33.066	-1.90	-1.510	342.7	92.81	0.253	27.00	26.601	31.375	26.601	0.12	26.104	23.27	114.0
120	-1.468	33.123	-1.90	-1.471	338.4	91.76	0.035	27.58	26.647	31.418	26.647	0.12	26.126	24.03	118.9
125	-1.467	33.206	-1.91	-1.469	336.4	91.29	0.036	26.70	26.714	31.484	26.714	0.14	26.148	24.76	123.9
150	-1.255	33.715	-1.96	-1.259	324.0	88.79	0.031	25.97	27.121	31.881	27.121	0.35	26.276	27.84	148.6
175	-0.514	34.221	-2.01	-0.520	306.5	86.02	0.030	30.74	27.502	32.235	27.502	0.23	26.422	30.00	173.4
200	0.111	34.523	-2.05	0.104	294.4	84.20	0.027	38.84	27.716	32.428	27.716	0.11	26.575	31.33	198.1
225	0.296	34.611	-2.07	0.287	289.8	83.36	0.027	39.94	27.776	32.483	27.777	0.09	26.705	32.41	222.8
250	0.480	34.685	-2.09	0.469	287.0	83.00	0.027	58.34	27.825	32.526	27.826	0.06	26.815	33.36	247.5
271	0.511	34.697	-2.11	0.500	286.6	82.94	0.029	79.60	27.833	32.533	27.834	0.06	26.893	34.11	268.3

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Press	Temp	Salnty	Frr.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.118	32.160	-1.76	-1.118	370.0	100.58	0.153	126.17	25.856	30.625	25.856	0.05	25.856	0.00	0.0
2	-1.170	32.188	-1.76	-1.170	371.9	100.96	0.131	131.24	25.879	30.650	25.879	0.38	25.858	0.45	2.0
4	-1.306	32.209	-1.77	-1.307	373.6	101.07	0.154	119.68	25.900	30.675	25.900	-0.01	25.878	0.90	4.0
6	-1.290	32.200	-1.77	-1.290	374.1	101.24	0.103	136.10	25.893	30.667	25.893	-0.02	25.884	1.34	5.9
8	-1.295	32.196	-1.77	-1.296	374.2	101.26	0.117	141.41	25.889	30.663	25.889	0.05	25.886	1.79	7.9
10	-1.313	32.202	-1.77	-1.313	375.0	101.41	0.087	124.29	25.895	30.670	25.895	0.16	25.887	2.24	9.9
12	-1.298	32.217	-1.77	-1.299	374.5	101.34	0.108	101.38	25.906	30.681	25.906	0.10	25.889	2.68	11.9
14	-1.255	32.229	-1.77	-1.255	373.2	101.10	0.063	83.34	25.915	30.688	25.915	0.05	25.893	3.12	13.9
16	-1.257	32.230	-1.78	-1.257	372.6	100.94	0.048	77.44	25.916	30.689	25.916	0.05	25.896	3.56	15.9
18	-1.284	32.231	-1.78	-1.285	372.7	100.88	0.113	68.51	25.917	30.691	25.917	0.02	25.898	4.01	17.8
20	-1.481	32.224	-1.78	-1.481	373.8	100.64	0.130	54.64	25.917	30.696	25.917	0.14	25.899	4.45	19.8
22	-1.640	32.240	-1.78	-1.641	374.0	100.26	0.086	38.61	25.934	30.718	25.934	0.20	25.901	4.89	21.8
24	-1.680	32.246	-1.78	-1.681	374.1	100.18	0.082	33.61	25.940	30.725	25.940	0.09	25.904	5.32	23.8
26	-1.730	32.257	-1.78	-1.730	373.4	99.88	0.049	28.54	25.949	30.736	25.949	0.10	25.907	5.76	25.8
28	-1.738	32.264	-1.79	-1.739	371.4	99.32	0.041	25.75	25.955	30.743	25.955	0.08	25.911	6.19	27.8
30	-1.738	32.272	-1.79	-1.739	371.2	99.26	0.042	25.16	25.962	30.749	25.962	0.06	25.914	6.63	29.7
32	-1.738	32.280	-1.79	-1.739	371.0	99.24	0.284	24.35	25.968	30.756	25.968	0.07	25.917	7.06	31.7
34	-1.744	32.287	-1.79	-1.745	369.7	98.86	0.142	23.55	25.974	30.762	25.974	0.08	25.920	7.49	33.7
36	-1.748	32.291	-1.79	-1.749	368.6	98.56	0.051	25.31	25.978	30.765	25.978	0.06	25.924	7.92	35.7
38	-1.749	32.294	-1.80	-1.750	368.7	98.61	0.044	21.49	25.980	30.767	25.980	0.06	25.926	8.35	37.7
40	-1.750	32.296	-1.80	-1.751	367.9	98.38	0.042	19.74	25.982	30.769	25.982	0.05	25.929	8.78	39.7
45	-1.751	32.303	-1.80	-1.751	368.2	98.45	0.043	18.93	25.987	30.775	25.987	0.07	25.935	9.85	44.6
50	-1.747	32.327	-1.81	-1.748	367.2	98.22	0.033	15.42	26.006	30.794	26.006	0.09	25.941	10.91	49.6
55	-1.751	32.340	-1.81	-1.752	366.0	97.90	0.030	15.05	26.017	30.804	26.017	0.05	25.948	11.97	54.5
60	-1.754	32.351	-1.82	-1.755	360.8	96.52	0.033	13.15	26.027	30.814	26.027	0.06	25.954	13.02	59.5
65	-1.753	32.363	-1.82	-1.754	360.9	96.54	0.030	13.59	26.036	30.823	26.036	0.06	25.960	14.07	64.4
70	-1.752	32.378	-1.83	-1.754	361.2	96.65	0.029	13.00	26.048	30.835	26.048	0.08	25.966	15.11	69.4
75	-1.749	32.391	-1.83	-1.750	360.7	96.52	0.028	14.17	26.059	30.846	26.059	0.11	25.971	16.15	74.4
80	-1.739	32.441	-1.84	-1.740	359.0	96.14	0.031	16.00	26.099	30.885	26.099	0.36	25.978	17.18	79.3
85	-1.704	32.536	-1.85	-1.706	356.7	95.68	0.032	15.86	26.176	30.960	26.176	0.15	25.987	18.17	84.3
90	-1.656	32.647	-1.86	-1.657	354.3	95.25	0.031	16.44	26.265	31.046	26.265	0.31	26.001	19.12	89.2
95	-1.604	32.803	-1.87	-1.606	348.7	94.00	0.031	18.78	26.390	31.168	26.390	0.27	26.017	20.02	94.2
100	-1.546	32.905	-1.88	-1.548	344.5	93.08	0.031	20.17	26.472	31.248	26.472	0.14	26.039	20.87	99.1
105	-1.485	33.059	-1.89	-1.487	341.4	92.51	0.031	19.30	26.595	31.368	26.595	0.62	26.061	21.68	104.1
110	-1.423	33.214	-1.90	-1.425	337.5	91.72	0.030	21.05	26.719	31.488	26.719	0.25	26.089	22.41	109.0
115	-1.354	33.388	-1.92	-1.357	335.1	91.35	0.031	21.79	26.858	31.624	26.858	0.22	26.119	23.09	114.0
120	-1.276	33.496	-1.93	-1.278	332.2	90.83	0.030	22.01	26.944	31.706	26.944	0.31	26.152	23.72	118.9
125	-1.113	33.642	-1.94	-1.116	328.1	90.21	0.030	23.91	27.057	31.813	27.057	0.08	26.187	24.29	123.9
150	-0.527	34.214	-1.99	-0.532	306.2	85.91	0.028	24.65	27.497	32.231	27.497	0.22	26.371	26.46	148.6
175	-0.141	34.409	-2.02	-0.147	296.6	84.20	0.027	35.89	27.636	32.357	27.637	0.12	26.542	27.98	173.3
200	0.093	34.536	-2.05	0.086	293.4	83.89	0.027	38.98	27.727	32.440	27.727	0.11	26.684	29.21	198.1
225	0.373	34.645	-2.07	0.364	292.4	84.30	0.027	42.30	27.799	32.503	27.799	0.06	26.804	30.25	222.8
250	0.477	34.684	-2.09	0.466	291.2	84.19	0.027	50.87	27.824	32.525	27.825	0.04	26.905	31.18	247.5
275	0.531	34.706	-2.11	0.520	286.3	82.92	0.026	61.90	27.839	32.538	27.839	0.05	26.989	32.07	272.2
300	0.567	34.723	-2.13	0.555	288.1	83.52	0.026	59.75	27.851	32.549	27.851	0.05	27.060	32.92	296.9
325	0.606	34.732	-2.15	0.591	288.5	83.73	0.027	62.72	27.856	32.553	27.857	0.04	27.121	33.76	321.6
350	0.640	34.741	-2.17	0.625	288.7	83.59	0.025	61.53	27.860	32.556	27.861	0.04	27.174	34.58	346.3
375	0.618	34.744	-2.19	0.602	284.5	82.61	0.027	70.89	27.864	32.561	27.865	0.05	27.220	35.39	371.0
400	0.545	34.740	-2.21	0.528	282.9	82.00	0.028	103.56	27.865	32.564	27.866	0.04	27.260	36.20	395.7
418	0.553	34.740	-2.22	0.535	281.0	81.45	0.026	105.06	27.865	32.563	27.866	0.04	27.286	36.78	413.5

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.387	32.119	-1.76	-1.387	370.5	99.93	0.130	175.70	25.829	30.607	25.829	0.04	25.829	0.00	0.0
2	-1.389	32.120	-1.76	-1.389	371.7	100.24	0.156	175.70	25.830	30.608	25.830	0.06	25.830	0.46	2.0
4	-1.393	32.122	-1.76	-1.393	371.9	100.28	0.231	179.55	25.832	30.610	25.832	0.05	25.830	0.92	4.0
6	-1.402	32.121	-1.76	-1.402	374.1	100.86	0.198	188.31	25.831	30.610	25.831	0.08	25.830	1.37	5.9
8	-1.396	32.125	-1.76	-1.396	375.3	101.21	0.395	169.95	25.834	30.612	25.834	0.04	25.831	1.83	7.9
10	-1.454	32.118	-1.76	-1.454	378.7	101.96	0.274	190.94	25.830	30.610	25.830	0.01	25.832	2.29	9.9
12	-1.520	32.117	-1.77	-1.520	379.9	102.09	0.502	211.54	25.831	30.613	25.831	0.08	25.832	2.75	11.9
14	-1.553	32.148	-1.77	-1.553	379.1	101.81	0.496	207.56	25.857	30.640	25.857	0.07	25.835	3.20	13.9
16	-1.561	32.152	-1.77	-1.561	378.2	101.55	0.299	203.22	25.860	30.643	25.860	0.09	25.838	3.65	15.9
18	-1.597	32.180	-1.77	-1.597	379.5	101.81	0.194	112.82	25.884	30.668	25.884	0.18	25.842	4.10	17.8
20	-1.672	32.215	-1.78	-1.672	380.4	101.88	0.131	70.68	25.914	30.699	25.914	0.20	25.848	4.55	19.8
22	-1.721	32.235	-1.78	-1.721	380.6	101.82	0.073	43.41	25.931	30.718	25.931	0.10	25.855	4.99	21.8
24	-1.733	32.244	-1.78	-1.733	379.1	101.39	0.046	28.54	25.939	30.726	25.939	0.07	25.861	5.42	23.8
26	-1.737	32.250	-1.78	-1.737	377.4	100.93	0.042	24.28	25.944	30.731	25.944	0.06	25.868	5.86	25.8
28	-1.741	32.255	-1.79	-1.741	376.6	100.71	0.045	23.55	25.948	30.735	25.948	0.08	25.873	6.30	27.8
30	-1.745	32.261	-1.79	-1.745	375.2	100.31	0.047	23.47	25.953	30.741	25.953	0.09	25.878	6.73	29.7
32	-1.749	32.264	-1.79	-1.750	374.6	100.14	0.043	22.67	25.955	30.743	25.955	0.06	25.883	7.17	31.7
34	-1.751	32.268	-1.79	-1.751	374.7	100.16	0.042	18.93	25.959	30.747	25.959	0.08	25.887	7.60	33.7
36	-1.749	32.276	-1.79	-1.749	374.1	100.03	0.074	18.12	25.965	30.753	25.965	0.11	25.892	8.03	35.7
38	-1.742	32.283	-1.80	-1.743	373.6	99.93	0.041	20.61	25.970	30.758	25.970	0.06	25.896	8.46	37.7
40	-1.751	32.291	-1.80	-1.751	371.3	99.27	0.037	16.37	25.978	30.765	25.978	0.09	25.899	8.89	39.7
45	-1.747	32.303	-1.80	-1.748	368.6	98.57	0.042	32.29	25.987	30.775	25.987	0.06	25.909	9.96	44.6
50	-1.750	32.317	-1.81	-1.750	365.1	97.65	0.035	16.66	25.999	30.786	25.999	0.08	25.917	11.03	49.6
55	-1.745	32.333	-1.81	-1.746	364.3	97.46	0.035	21.42	26.011	30.798	26.011	0.06	25.925	12.09	54.5
60	-1.748	32.344	-1.82	-1.749	361.7	96.75	0.035	23.18	26.021	30.808	26.021	0.08	25.933	13.15	59.5
65	-1.744	32.359	-1.82	-1.745	361.8	96.82	0.036	21.79	26.032	30.819	26.032	0.06	25.940	14.19	64.4
70	-1.742	32.376	-1.83	-1.743	363.5	97.29	0.034	18.71	26.046	30.833	26.046	0.08	25.947	15.24	69.4
75	-1.725	32.404	-1.83	-1.726	362.5	97.07	0.036	28.54	26.069	30.855	26.069	0.08	25.954	16.27	74.4
80	-1.745	32.424	-1.84	-1.746	362.2	96.97	0.035	16.73	26.085	30.872	26.086	0.15	25.962	17.30	79.3
85	-1.705	32.486	-1.84	-1.706	360.6	96.70	0.034	23.47	26.135	30.919	26.135	0.12	25.970	18.31	84.3
90	-1.668	32.550	-1.85	-1.669	357.4	95.97	0.037	27.88	26.186	30.969	26.186	0.12	25.981	19.29	89.2
95	-1.620	32.731	-1.86	-1.622	355.9	95.83	0.035	20.17	26.332	31.112	26.332	0.23	25.997	20.22	94.2
100	-1.591	32.823	-1.87	-1.593	353.1	95.21	0.036	20.61	26.406	31.184	26.406	0.25	26.015	21.10	99.1
105	-1.474	32.994	-1.89	-1.476	349.7	94.73	0.035	25.23	26.542	31.315	26.542	0.11	26.037	21.93	104.1
110	-1.290	33.260	-1.91	-1.293	343.7	93.77	0.035	33.76	26.752	31.517	26.752	0.31	26.065	22.67	109.0
115	-1.176	33.369	-1.92	-1.178	338.8	92.80	0.034	36.26	26.838	31.598	26.838	0.08	26.097	23.34	114.0
120	-1.056	33.542	-1.93	-1.059	334.0	91.89	0.034	38.84	26.974	31.729	26.974	0.31	26.130	23.97	118.9
125	-0.929	33.704	-1.94	-0.932	330.1	91.24	0.033	42.82	27.101	31.851	27.101	0.37	26.166	24.53	123.9
150	-0.355	34.289	-1.99	-0.360	310.4	87.53	0.032	39.57	27.550	32.278	27.550	0.13	26.365	26.54	148.6
175	-0.075	34.426	-2.02	-0.081	296.3	84.27	0.031	45.10	27.647	32.366	27.647	0.09	26.542	27.97	173.3
187	0.045	34.468	-2.03	0.038	293.4	83.75	0.032	49.78	27.674	32.389	27.675	0.10	26.614	28.59	185.2

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
30	48	29 JUL 92	0020	80 4.60	-15 48.67	350		

NEWP 92 STA 30 CTD 48

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.090	32.055	-1.75	0.090	407.7	114.39	0.552	610.60	25.725	30.459	25.725	0.06	25.725	0.00	0.0
2	0.039	32.048	-1.75	0.039	407.9	114.29	0.721	607.15	25.722	30.458	25.722	0.01	25.724	0.48	2.0
4	0.039	32.047	-1.76	0.039	408.3	114.39	0.739	603.64	25.721	30.457	25.721	0.01	25.723	0.96	4.0
6	-0.049	32.042	-1.76	-0.049	411.4	114.98	0.740	562.75	25.721	30.459	25.721	1.00	25.721	1.44	6.0
8	-1.129	32.258	-1.77	-1.129	425.5	115.70	0.634	437.54	25.935	30.704	25.935	0.30	25.756	1.89	7.9
10	-1.154	32.266	-1.77	-1.154	421.6	114.58	0.648	414.98	25.942	30.712	25.942	-0.17	25.794	2.33	9.9
12	-1.531	32.272	-1.77	-1.531	419.0	112.69	0.326	177.36	25.957	30.738	25.957	0.21	25.818	2.76	11.9
14	-1.537	32.277	-1.78	-1.537	410.2	110.31	0.598	194.49	25.961	30.742	25.961	0.04	25.839	3.19	13.9
16	-1.575	32.280	-1.78	-1.576	403.6	108.42	0.245	108.82	25.965	30.747	25.965	0.05	25.855	3.63	15.9
18	-1.667	32.283	-1.78	-1.668	398.2	106.70	0.155	60.35	25.969	30.754	25.969	0.08	25.867	4.06	17.8
20	-1.662	32.291	-1.78	-1.662	392.7	105.26	0.189	67.77	25.976	30.760	25.976	0.08	25.878	4.49	19.8
22	-1.657	32.298	-1.78	-1.657	387.8	103.98	0.150	59.98	25.981	30.765	25.981	0.12	25.887	4.92	21.8
24	-1.632	32.300	-1.79	-1.632	384.5	103.15	0.145	60.51	25.983	30.766	25.983	0.06	25.895	5.35	23.8
26	-1.636	32.300	-1.79	-1.636	382.1	102.51	0.208	60.20	25.982	30.766	25.982	0.05	25.901	5.78	25.8
28	-1.618	32.308	-1.79	-1.618	380.2	102.06	0.148	70.45	25.988	30.771	25.988	0.07	25.907	6.20	27.8
30	-1.585	32.309	-1.79	-1.585	378.7	101.74	0.347	115.18	25.989	30.771	25.989	0.05	25.913	6.63	29.7
32	-1.607	32.314	-1.79	-1.608	379.5	101.89	0.114	80.51	25.993	30.776	25.993	0.09	25.918	7.06	31.7
34	-1.605	32.318	-1.79	-1.606	379.2	101.83	0.177	75.21	25.996	30.779	25.996	0.02	25.922	7.48	33.7
36	-1.700	32.317	-1.80	-1.700	378.7	101.42	0.105	39.36	25.997	30.783	25.997	0.08	25.926	7.91	35.7
38	-1.717	32.323	-1.80	-1.718	376.5	100.80	0.045	21.35	26.003	30.789	26.003	0.07	25.930	8.34	37.7
40	-1.739	32.327	-1.80	-1.739	375.1	100.36	0.037	15.93	26.006	30.793	26.006	0.07	25.934	8.76	39.7
45	-1.734	32.332	-1.80	-1.735	371.6	99.44	0.039	15.71	26.010	30.797	26.010	0.05	25.942	9.82	44.6
50	-1.747	32.338	-1.81	-1.748	371.6	99.40	0.036	14.68	26.015	30.802	26.015	0.06	25.949	10.87	49.6
55	-1.755	32.343	-1.81	-1.756	370.8	99.18	0.036	14.10	26.020	30.807	26.020	0.07	25.955	11.93	54.5
60	-1.753	32.354	-1.82	-1.754	369.3	98.79	0.034	13.66	26.029	30.816	26.029	0.06	25.961	12.98	59.5
65	-1.749	32.370	-1.82	-1.750	365.0	97.66	0.035	13.73	26.042	30.829	26.042	0.09	25.967	14.02	64.4
70	-1.747	32.381	-1.83	-1.748	363.3	97.21	0.035	13.37	26.051	30.837	26.051	0.09	25.972	15.07	69.4
75	-1.737	32.412	-1.83	-1.738	362.6	97.08	0.034	13.88	26.076	30.862	26.076	0.07	25.979	16.10	74.3
80	-1.719	32.465	-1.84	-1.720	360.7	96.66	0.034	14.68	26.118	30.903	26.118	0.23	25.986	17.11	79.3
85	-1.701	32.525	-1.85	-1.702	359.0	96.29	0.035	16.59	26.166	30.950	26.166	0.27	25.995	18.11	84.3
90	-1.659	32.618	-1.85	-1.661	355.8	95.62	0.036	22.23	26.241	31.023	26.241	0.17	26.007	19.07	89.2
95	-1.646	32.680	-1.86	-1.648	354.2	95.26	0.037	17.39	26.291	31.072	26.291	0.21	26.020	20.00	94.2
100	-1.593	32.807	-1.87	-1.595	350.5	94.51	0.036	18.05	26.393	31.171	26.393	0.30	26.036	20.90	99.1
105	-1.501	33.032	-1.89	-1.503	347.6	94.13	0.037	18.86	26.573	31.347	26.574	0.24	26.057	21.72	104.1
110	-1.445	33.147	-1.90	-1.447	345.2	93.70	0.035	23.25	26.665	31.436	26.665	0.13	26.083	22.48	109.0
115	-1.306	33.429	-1.92	-1.309	339.6	92.74	0.036	23.47	26.890	31.654	26.890	0.28	26.113	23.16	114.0
120	-1.142	33.644	-1.93	-1.145	334.6	91.92	0.034	25.31	27.059	31.816	27.060	0.09	26.149	23.75	118.9
125	-1.033	33.770	-1.95	-1.036	328.0	90.45	0.034	25.75	27.158	31.910	27.158	0.15	26.188	24.26	123.9
150	-0.399	34.211	-1.99	-0.404	307.2	86.49	0.033	41.05	27.489	32.219	27.489	0.16	26.382	26.30	148.6
175	-0.006	34.434	-2.02	-0.012	298.9	85.17	0.034	57.45	27.650	32.367	27.650	0.11	26.553	27.79	173.3
200	0.242	34.562	-2.05	0.235	294.7	84.61	0.031	53.31	27.739	32.448	27.740	0.05	26.695	29.01	198.1
225	0.410	34.653	-2.07	0.401	292.5	84.40	0.033	41.34	27.803	32.507	27.804	0.07	26.814	30.04	222.8
250	0.528	34.697	-2.09	0.517	289.8	83.93	0.032	47.02	27.832	32.532	27.833	0.05	26.915	30.95	247.5
266	0.565	34.709	-2.11	0.554	289.9	84.03	0.032	52.64	27.840	32.538	27.840	0.05	26.970	31.51	263.3

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.643	32.076	-1.76	-0.643	405.5	111.57	0.866	530.14	25.772	30.528	25.772	0.05	25.772	0.00	0.0
2	-0.652	32.075	-1.76	-0.652	405.2	111.46	0.631	524.22	25.772	30.528	25.772	0.05	25.772	0.47	2.0
4	-0.659	32.073	-1.76	-0.659	405.7	111.56	0.668	546.46	25.770	30.526	25.770	0.06	25.772	0.94	4.0
6	-0.682	32.074	-1.76	-0.682	406.4	111.71	0.768	502.54	25.772	30.529	25.772	0.07	25.771	1.41	6.0
8	-0.724	32.082	-1.76	-0.724	405.9	111.45	0.813	498.92	25.780	30.538	25.780	0.13	25.772	1.88	7.9
10	-0.949	32.162	-1.77	-0.949	411.6	112.39	0.976	446.07	25.852	30.616	25.852	0.28	25.779	2.34	9.9
12	-0.998	32.173	-1.77	-0.998	410.2	111.87	0.632	435.77	25.862	30.628	25.862	0.05	25.793	2.79	11.9
14	-0.996	32.177	-1.77	-0.996	405.7	110.64	0.755	441.79	25.865	30.631	25.865	0.05	25.803	3.24	13.9
16	-1.001	32.178	-1.77	-1.001	402.4	109.73	0.643	435.98	25.866	30.632	25.866	0.02	25.811	3.69	15.9
18	-1.031	32.179	-1.77	-1.032	401.9	109.50	0.700	427.65	25.868	30.634	25.868	0.05	25.817	4.15	17.8
20	-0.953	32.187	-1.78	-0.954	401.8	109.72	0.917	644.17	25.872	30.636	25.872	0.27	25.823	4.60	19.8
22	-1.054	32.212	-1.78	-1.054	404.5	110.18	1.102	526.10	25.895	30.662	25.895	-0.01	25.829	5.04	21.8
24	-1.325	32.242	-1.78	-1.326	409.2	110.67	0.613	223.13	25.927	30.702	25.927	-0.05	25.836	5.48	23.8
26	-1.502	32.236	-1.78	-1.503	405.2	109.06	0.447	144.19	25.927	30.708	25.927	0.19	25.843	5.92	25.8
28	-1.579	32.251	-1.79	-1.579	397.4	106.75	0.306	109.50	25.941	30.724	25.941	0.10	25.850	6.36	27.8
30	-1.568	32.262	-1.79	-1.569	390.0	104.80	0.342	128.14	25.950	30.732	25.950	0.09	25.856	6.80	29.7
32	-1.665	32.266	-1.79	-1.665	387.4	103.81	0.138	38.62	25.955	30.740	25.955	0.14	25.862	7.23	31.7
34	-1.706	32.275	-1.79	-1.707	384.0	102.80	0.058	21.93	25.963	30.750	25.963	0.07	25.868	7.66	33.7
36	-1.713	32.280	-1.79	-1.714	380.8	101.92	0.078	20.03	25.968	30.754	25.968	0.08	25.873	8.10	35.7
38	-1.691	32.292	-1.80	-1.692	378.3	101.31	0.069	33.10	25.977	30.763	25.977	0.09	25.878	8.53	37.7
40	-1.724	32.292	-1.80	-1.725	376.5	100.74	0.063	17.69	25.978	30.764	25.978	0.09	25.883	8.96	39.7
45	-1.743	32.314	-1.80	-1.744	373.7	99.95	0.036	13.08	25.996	30.783	25.996	0.07	25.895	10.02	44.6
50	-1.746	32.323	-1.81	-1.746	370.8	99.18	0.034	12.35	26.003	30.790	26.003	0.05	25.905	11.09	49.6
55	-1.749	32.327	-1.81	-1.750	369.1	98.71	0.036	12.64	26.006	30.794	26.006	0.05	25.914	12.15	54.5
60	-1.748	32.342	-1.82	-1.749	365.6	97.82	0.033	12.35	26.019	30.806	26.019	0.07	25.923	13.20	59.5
65	-1.744	32.356	-1.82	-1.745	363.6	97.28	0.035	12.56	26.030	30.817	26.030	0.09	25.930	14.26	64.4
70	-1.737	32.380	-1.83	-1.738	361.6	96.81	0.033	13.73	26.049	30.836	26.049	0.08	25.938	15.30	69.4
75	-1.728	32.410	-1.83	-1.730	361.4	96.79	0.034	13.88	26.074	30.860	26.074	0.08	25.946	16.33	74.4
80	-1.721	32.443	-1.84	-1.723	360.6	96.62	0.035	13.95	26.100	30.886	26.100	0.16	25.955	17.35	79.3
85	-1.699	32.508	-1.84	-1.700	357.5	95.90	0.036	15.64	26.153	30.937	26.153	0.09	25.965	18.36	84.3
90	-1.642	32.612	-1.85	-1.644	355.8	95.66	0.034	20.10	26.236	31.017	26.236	0.27	25.977	19.33	89.2
95	-1.610	32.688	-1.86	-1.611	351.8	94.72	0.035	23.18	26.297	31.076	26.297	0.40	25.992	20.26	94.2
100	-1.553	32.871	-1.88	-1.555	349.6	94.42	0.034	16.29	26.444	31.221	26.444	0.11	26.011	21.14	99.1
105	-1.470	33.077	-1.89	-1.472	345.7	93.71	0.035	20.39	26.609	31.381	26.609	0.45	26.035	21.95	104.1
110	-1.376	33.195	-1.90	-1.378	340.9	92.74	0.036	23.25	26.702	31.470	26.702	0.35	26.063	22.69	109.0
115	-1.227	33.486	-1.92	-1.229	336.3	92.08	0.032	24.28	26.934	31.695	26.934	0.49	26.095	23.36	114.0
120	-0.966	33.694	-1.94	-0.969	329.6	91.01	0.033	37.51	27.093	31.845	27.094	0.17	26.134	23.92	118.9
125	-0.938	33.844	-1.95	-0.942	325.1	89.94	0.033	28.17	27.214	31.963	27.214	0.52	26.174	24.43	123.9
150	-0.550	34.139	-1.99	-0.554	309.9	86.85	0.032	34.93	27.437	32.173	27.438	0.25	26.368	26.50	148.6
175	-0.060	34.385	-2.02	-0.066	299.5	85.18	0.032	59.01	27.613	32.332	27.613	0.11	26.537	28.05	173.3
200	0.142	34.505	-2.04	0.135	294.8	84.37	0.032	48.06	27.699	32.411	27.699	0.08	26.678	29.34	198.1
225	0.372	34.621	-2.07	0.363	292.7	84.37	0.031	44.51	27.780	32.485	27.781	0.06	26.795	30.45	222.8
250	0.507	34.679	-2.09	0.497	289.8	83.87	0.031	43.55	27.819	32.519	27.819	0.04	26.896	31.40	247.5
275	0.560	34.698	-2.11	0.548	288.3	83.56	0.030	48.21	27.831	32.530	27.832	0.06	26.980	32.31	272.2
300	0.605	34.717	-2.13	0.592	287.8	83.53	0.030	59.08	27.843	32.541	27.844	0.05	27.052	33.18	296.9
325	0.618	34.729	-2.15	0.604	279.7	81.20	0.030	65.02	27.852	32.549	27.853	0.05	27.113	34.03	321.6
350	0.508	34.725	-2.17	0.493	276.8	80.13	0.031	109.57	27.855	32.555	27.856	0.05	27.166	34.86	346.3
354	0.508	34.725	-2.17	0.492	275.7	79.82	0.031	111.20	27.855	32.555	27.856	0.04	27.173	34.99	350.3

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.786	32.044	-1.75	-0.786	397.1	108.81	0.484	383.24	25.751	30.511	25.751	0.07	25.750	0.00	0.0
2	-0.882	32.082	-1.76	-0.882	401.6	109.78	0.484	387.90	25.785	30.548	25.785	0.46	25.758	0.47	2.0
4	-1.018	32.103	-1.76	-1.018	404.3	110.14	0.633	385.33	25.806	30.573	25.806	0.17	25.781	0.94	4.0
6	-1.130	32.130	-1.76	-1.130	419.2	113.88	0.581	365.34	25.831	30.601	25.831	0.13	25.794	1.40	6.0
8	-1.168	32.158	-1.77	-1.168	429.0	116.44	0.534	362.28	25.855	30.625	25.855	0.25	25.805	1.85	7.9
10	-1.171	32.151	-1.77	-1.171	437.1	118.63	0.668	329.94	25.850	30.621	25.850	0.17	25.814	2.31	9.9
12	-1.224	32.191	-1.77	-1.224	439.5	119.14	0.433	310.05	25.883	30.655	25.883	0.18	25.823	2.76	11.9
14	-1.179	32.204	-1.77	-1.180	436.6	118.51	0.456	342.98	25.893	30.663	25.893	0.08	25.833	3.20	13.9
16	-1.175	32.202	-1.77	-1.175	432.0	117.28	0.674	319.76	25.891	30.662	25.891	0.38	25.840	3.65	15.9
18	-1.450	32.274	-1.78	-1.450	429.7	115.84	0.248	101.38	25.956	30.735	25.956	0.13	25.850	4.09	17.8
20	-1.460	32.279	-1.78	-1.460	420.8	113.41	0.164	98.68	25.961	30.740	25.961	0.09	25.861	4.52	19.8
22	-1.553	32.273	-1.78	-1.553	415.2	111.62	0.377	117.41	25.958	30.740	25.958	0.13	25.870	4.95	21.8
24	-1.501	32.283	-1.78	-1.502	405.4	109.14	0.134	91.20	25.966	30.745	25.966	0.05	25.878	5.39	23.8
26	-1.536	32.281	-1.79	-1.536	399.0	107.31	0.154	122.70	25.965	30.746	25.965	0.06	25.885	5.82	25.8
28	-1.564	32.284	-1.79	-1.564	392.8	105.56	0.222	106.92	25.967	30.749	25.967	0.07	25.891	6.25	27.8
30	-1.669	32.286	-1.79	-1.669	393.4	105.43	0.114	42.75	25.972	30.757	25.972	0.17	25.896	6.68	29.7
32	-1.619	32.298	-1.79	-1.620	389.4	104.50	0.188	84.31	25.980	30.764	25.980	0.06	25.901	7.11	31.7
34	-1.597	32.301	-1.79	-1.597	385.4	103.51	0.251	84.99	25.982	30.765	25.982	0.08	25.906	7.54	33.7
36	-1.720	32.302	-1.79	-1.721	382.3	102.31	0.085	28.24	25.985	30.772	25.985	0.11	25.910	7.97	35.7
38	-1.664	32.316	-1.80	-1.664	382.7	102.61	0.064	42.02	25.996	30.781	25.996	0.06	25.914	8.39	37.7
40	-1.637	32.314	-1.80	-1.637	384.5	103.17	0.238	47.84	25.994	30.778	25.994	0.05	25.918	8.82	39.7
45	-1.707	32.323	-1.80	-1.708	391.2	104.76	0.063	27.51	26.002	30.788	26.002	0.07	25.927	9.88	44.6
50	-1.736	32.330	-1.81	-1.737	385.3	103.11	0.042	15.42	26.009	30.795	26.009	0.07	25.935	10.94	49.6
55	-1.745	32.341	-1.81	-1.745	380.1	101.69	0.034	13.66	26.018	30.805	26.018	0.06	25.942	12.00	54.5
60	-1.743	32.357	-1.82	-1.744	374.8	100.29	0.033	13.37	26.031	30.817	26.031	0.08	25.949	13.05	59.5
65	-1.742	32.362	-1.82	-1.743	375.9	100.59	0.033	13.59	26.035	30.822	26.035	0.10	25.955	14.10	64.4
70	-1.729	32.405	-1.83	-1.730	378.3	101.29	0.033	14.98	26.070	30.856	26.070	0.07	25.963	15.13	69.4
75	-1.718	32.436	-1.83	-1.720	371.9	99.65	0.033	14.61	26.095	30.880	26.095	0.07	25.971	16.15	74.4
80	-1.699	32.492	-1.84	-1.701	360.3	96.62	0.033	14.76	26.140	30.924	26.140	0.17	25.980	17.16	79.3
85	-1.684	32.534	-1.85	-1.685	355.5	95.42	0.033	14.90	26.173	30.957	26.173	0.13	25.990	18.15	84.3
90	-1.643	32.646	-1.86	-1.645	350.1	94.16	0.035	15.42	26.264	31.045	26.264	0.30	26.003	19.10	89.2
95	-1.609	32.744	-1.87	-1.610	347.3	93.55	0.034	15.86	26.342	31.121	26.342	0.12	26.018	20.02	94.2
100	-1.573	32.853	-1.88	-1.574	343.6	92.74	0.033	16.07	26.430	31.207	26.430	0.31	26.037	20.89	99.1
105	-1.499	33.040	-1.89	-1.502	341.3	92.42	0.034	17.47	26.580	31.353	26.580	0.22	26.059	21.70	104.1
110	-1.414	33.202	-1.90	-1.416	339.0	92.12	0.032	19.52	26.709	31.478	26.709	0.37	26.086	22.45	109.0
115	-1.349	33.331	-1.91	-1.351	336.6	91.75	0.034	20.39	26.812	31.578	26.812	0.26	26.116	23.14	114.0
120	-1.289	33.443	-1.92	-1.292	341.0	93.16	0.034	21.86	26.901	31.664	26.901	0.34	26.146	23.78	118.9
125	-1.204	33.564	-1.93	-1.207	329.8	90.40	0.033	23.40	26.997	31.756	26.997	0.21	26.178	24.38	123.9
150	-0.378	34.155	-1.99	-0.382	303.2	85.36	0.030	52.94	27.442	32.172	27.443	0.11	26.354	26.70	148.6
175	-0.104	34.391	-2.02	-0.110	295.7	84.01	0.031	39.79	27.620	32.340	27.620	0.07	26.523	28.29	173.4
200	0.203	34.554	-2.05	0.196	289.3	82.97	0.030	33.83	27.735	32.445	27.735	0.08	26.667	29.54	198.1
225	0.400	34.637	-2.07	0.391	282.3	81.44	0.029	41.56	27.791	32.494	27.791	0.09	26.789	30.59	222.8
250	0.545	34.696	-2.09	0.534	280.3	81.21	0.029	46.80	27.830	32.529	27.830	0.07	26.891	31.51	247.5
275	0.613	34.728	-2.11	0.601	278.5	80.85	0.030	68.31	27.852	32.549	27.853	0.04	26.978	32.36	272.2

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Hc	Depth
0	-0.109	32.247	-1.76	-0.109	372.7	104.15	0.081	115.60	25.889	30.628	25.889	0.06	25.889	0.00	0.0
2	-0.104	32.252	-1.77	-0.104	373.4	104.37	0.094	121.86	25.893	30.631	25.893	0.00	25.891	0.45	2.0
4	-0.134	32.268	-1.77	-0.134	373.8	104.41	0.074	135.21	25.907	30.646	25.907	0.12	25.898	0.89	4.0
6	-0.147	32.290	-1.77	-0.147	375.6	104.89	0.129	134.29	25.925	30.664	25.925	0.26	25.903	1.33	5.9
8	0.031	32.276	-1.77	0.031	373.3	104.75	0.116	176.09	25.906	30.640	25.906	-0.06	25.907	1.77	7.9
10	0.323	32.283	-1.77	0.323	368.5	104.19	0.147	221.41	25.898	30.624	25.898	-0.47	25.907	2.22	9.9
12	-0.238	32.268	-1.77	-0.238	375.7	104.65	0.127	87.75	25.912	30.654	25.912	0.19	25.904	2.66	11.9
14	-0.254	32.273	-1.78	-0.255	374.4	104.26	0.119	82.44	25.917	30.659	25.917	0.03	25.906	3.10	13.9
16	-0.287	32.273	-1.78	-0.287	371.8	103.43	0.141	85.36	25.918	30.661	25.918	0.04	25.907	3.55	15.9
18	-0.521	32.258	-1.78	-0.521	371.7	102.75	0.192	81.17	25.914	30.665	25.914	0.19	25.908	3.99	17.8
20	-0.655	32.272	-1.78	-0.655	371.3	102.27	0.302	80.58	25.931	30.685	25.931	0.05	25.910	4.43	19.8
22	-0.842	32.264	-1.78	-0.842	371.6	101.85	0.090	74.84	25.931	30.691	25.931	0.12	25.912	4.87	21.8
24	-0.921	32.274	-1.78	-0.921	370.4	101.29	0.178	72.30	25.941	30.704	25.941	0.08	25.914	5.30	23.8
26	-0.964	32.277	-1.79	-0.965	370.3	101.17	0.126	66.43	25.946	30.709	25.946	0.06	25.916	5.74	25.8
28	-1.071	32.285	-1.79	-1.072	369.3	100.61	0.086	63.25	25.955	30.722	25.955	0.07	25.919	6.17	27.8
30	-1.233	32.282	-1.79	-1.233	370.6	100.51	0.056	51.75	25.958	30.729	25.958	0.06	25.921	6.61	29.7
32	-1.553	32.295	-1.79	-1.553	372.2	100.07	0.057	43.55	25.976	30.758	25.976	0.09	25.924	7.04	31.7
34	-1.619	32.300	-1.79	-1.619	372.3	99.92	0.058	38.98	25.982	30.765	25.982	0.04	25.927	7.47	33.7
36	-1.665	32.301	-1.79	-1.666	370.5	99.31	0.054	35.96	25.984	30.768	25.984	0.06	25.930	7.90	35.7
38	-1.651	32.307	-1.80	-1.651	369.1	98.97	0.056	31.70	25.988	30.772	25.988	0.05	25.933	8.32	37.7
40	-1.655	32.307	-1.80	-1.655	367.3	98.49	0.056	28.32	25.988	30.772	25.988	0.04	25.936	8.75	39.7
45	-1.722	32.322	-1.80	-1.723	367.3	98.30	0.043	20.83	26.002	30.789	26.002	0.09	25.942	9.82	44.6
50	-1.732	32.334	-1.81	-1.733	365.3	97.76	0.044	16.51	26.012	30.799	26.012	0.08	25.949	10.88	49.6
55	-1.745	32.344	-1.81	-1.746	364.6	97.55	0.035	13.88	26.020	30.807	26.020	0.05	25.955	11.93	54.5
60	-1.747	32.350	-1.82	-1.748	365.7	97.84	0.035	14.68	26.025	30.812	26.025	0.05	25.961	12.98	59.5
65	-1.742	32.359	-1.82	-1.743	361.7	96.78	0.036	13.88	26.033	30.819	26.033	0.06	25.966	14.03	64.4
70	-1.731	32.387	-1.83	-1.733	359.5	96.26	0.036	16.00	26.055	30.841	26.055	0.10	25.971	15.07	69.4
75	-1.726	32.424	-1.83	-1.727	358.5	96.03	0.036	15.71	26.085	30.871	26.085	0.08	25.978	16.10	74.3
80	-1.696	32.499	-1.84	-1.697	356.9	95.74	0.037	15.93	26.146	30.930	26.146	0.08	25.986	17.11	79.3
85	-1.682	32.538	-1.85	-1.683	354.3	95.11	0.037	16.66	26.177	30.960	26.177	0.18	25.996	18.09	84.3
90	-1.629	32.656	-1.86	-1.631	351.0	94.43	0.037	15.71	26.271	31.052	26.271	0.32	26.009	19.05	89.2
95	-1.584	32.808	-1.87	-1.586	348.6	94.02	0.038	15.71	26.393	31.171	26.393	0.21	26.026	19.94	94.2
100	-1.567	32.871	-1.88	-1.569	344.7	93.04	0.037	15.78	26.444	31.221	26.444	0.10	26.046	20.80	99.1
105	-1.547	32.947	-1.88	-1.549	340.3	91.97	0.037	16.44	26.506	31.281	26.506	0.25	26.066	21.64	104.1
110	-1.517	33.056	-1.89	-1.519	337.2	91.29	0.037	16.81	26.593	31.367	26.593	0.12	26.088	22.43	109.0
115	-1.491	33.180	-1.90	-1.494	336.6	91.27	0.037	17.54	26.693	31.465	26.693	0.24	26.112	23.18	114.0
120	-1.450	33.326	-1.92	-1.453	334.4	90.88	0.037	18.42	26.810	31.580	26.811	0.35	26.139	23.88	118.9
125	-1.411	33.449	-1.93	-1.414	330.8	90.08	0.036	19.30	26.909	31.676	26.910	0.42	26.167	24.52	123.9
150	-0.597	34.147	-1.99	-0.602	310.0	86.77	0.034	28.10	27.446	32.182	27.446	0.25	26.336	26.96	148.6
175	-0.246	34.365	-2.02	-0.251	295.1	83.52	0.032	40.97	27.606	32.331	27.607	0.10	26.508	28.54	173.4
200	0.182	34.560	-2.05	0.175	286.1	82.01	0.032	38.25	27.742	32.452	27.742	0.12	26.654	29.80	198.1
225	0.308	34.614	-2.07	0.299	283.2	81.48	0.032	53.01	27.777	32.484	27.778	0.06	26.777	30.85	222.8
234	0.328	34.621	-2.08	0.318	282.3	81.27	0.029	58.79	27.782	32.488	27.783	0.03	26.815	31.21	231.7

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
33	52	29 JUL 92	1132	79 59.12	-14 47.33	149	22	0

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	593	-.463	32.311	-.463	25.955		367.6	3.67	.02	.03	1.02	7.99
9	592	-.473	32.309	-.473	25.954		367.9	3.70	.02	.02	1.02	7.99
16	591	-.815	32.318	-.815	25.974		368.7	3.73	.02	.03	1.03	8.01
25	590	-1.487	32.314	-1.488	25.990		368.4	3.76	.01	.04	1.03	7.94
38	589	-1.656	32.322	-1.657	26.001		367.5	4.02	.01	.02	1.07	8.25
60	588	-1.735	32.371	-1.736	26.042		365.1	4.47	0.00	.03	1.10	8.86
90	587	-1.673	32.527	-1.675	26.168		357.1	8.29	0.00	.02	1.08	9.32
101	586	-1.596	32.736	-1.598	26.336		348.5	6.31	0.00	.02	1.07	9.92
121	585	-1.473	33.115	-1.476	26.640		337.8	7.74	.01	.02	1.04	10.20
131	584	-1.384	33.380	-1.387	26.853		328.3	8.84	.01	.03	1.01	9.76
139	583	-1.290	33.596	-1.293	27.025	33.716	320.1	9.86	0.00	.01	1.00	9.34
148	582	-1.037	33.848	-1.041	27.221		330.1	8.91	0.00	.02	1.00	9.70

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	593	.25	.07	4.5	1.0			39300			
9	592	.66	.13	2.4	.5			40200			
16	591	2.29	1.07	3.3	.4			47400			
25	590	.31	.09	2.2	.4			41800			
38	589	.59	.14	2.6	.3			32300			
60	588	.14	.05	1.0	.2			24900			
90	587	.52	.07	1.1	.2			24500			
101	586	.02	.01	.9	.1						
121	585	.01	.01	1.0	.1						
131	584	.07	.02	1.1							
139	583	.03	.02	.1							
148	582	.02	.02	.1							

NEWP 92 STA 33 CTD 52

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.380	32.313	-1.77	-0.380	353.1	98.03	0.042	73.64	25.954	30.699	25.954	0.01	25.955	0.00	0.0
2	-0.409	32.311	-1.77	-0.409	353.5	98.04	0.044	72.53	25.953	30.700	25.953	0.03	25.954	0.43	2.0
4	-0.443	32.309	-1.77	-0.443	354.5	98.25	0.046	73.72	25.953	30.700	25.953	0.06	25.953	0.87	4.0
6	-0.527	32.307	-1.77	-0.527	356.4	98.55	0.048	75.36	25.955	30.705	25.955	0.08	25.954	1.30	5.9
8	-0.515	32.311	-1.77	-0.515	359.1	99.32	0.050	74.24	25.958	30.707	25.958	0.03	25.955	1.74	7.9
10	-0.547	32.307	-1.78	-0.547	361.0	99.75	0.051	72.68	25.955	30.706	25.955	0.03	25.955	2.17	9.9
12	-0.621	32.306	-1.78	-0.621	362.4	99.96	0.053	69.25	25.958	30.711	25.958	0.04	25.955	2.60	11.9
14	-0.686	32.310	-1.78	-0.686	362.1	99.68	0.057	68.14	25.963	30.718	25.963	0.08	25.956	3.04	13.9
16	-0.699	32.310	-1.78	-0.700	362.8	99.84	0.061	66.95	25.963	30.718	25.963	0.04	25.957	3.47	15.9
18	-0.774	32.306	-1.78	-0.775	364.3	100.06	0.060	64.28	25.963	30.720	25.963	0.01	25.957	3.90	17.8
20	-1.074	32.298	-1.78	-1.074	367.5	100.12	0.067	65.61	25.966	30.733	25.966	0.09	25.958	4.33	19.8
22	-1.270	32.308	-1.78	-1.271	368.9	99.96	0.067	61.83	25.980	30.752	25.980	0.15	25.959	4.76	21.8
24	-1.324	32.309	-1.79	-1.325	368.5	99.72	0.065	58.12	25.982	30.756	25.982	-0.03	25.961	5.19	23.8
26	-1.484	32.311	-1.79	-1.485	369.6	99.57	0.062	49.39	25.987	30.767	25.987	0.07	25.963	5.62	25.8
28	-1.608	32.318	-1.79	-1.609	369.8	99.28	0.058	41.93	25.996	30.779	25.996	0.11	25.965	6.05	27.8
30	-1.631	32.323	-1.79	-1.632	370.2	99.33	0.058	39.57	26.001	30.785	26.001	0.06	25.967	6.47	29.7
32	-1.646	32.322	-1.79	-1.647	369.9	99.23	0.058	40.68	26.001	30.785	26.001	0.04	25.969	6.90	31.7
34	-1.666	32.323	-1.79	-1.667	369.8	99.15	0.063	42.74	26.002	30.787	26.002	0.05	25.971	7.32	33.7
36	-1.668	32.324	-1.80	-1.668	369.1	98.95	0.065	42.74	26.003	30.787	26.003	0.04	25.973	7.75	35.7
38	-1.668	32.324	-1.80	-1.669	368.4	98.75	0.063	42.74	26.002	30.787	26.002	0.05	25.974	8.17	37.7
40	-1.678	32.324	-1.80	-1.679	366.9	98.32	0.061	40.97	26.003	30.788	26.003	0.07	25.976	8.60	39.7
45	-1.706	32.331	-1.80	-1.707	366.2	98.08	0.057	34.49	26.009	30.795	26.009	0.05	25.979	9.66	44.6
50	-1.721	32.340	-1.81	-1.722	363.6	97.33	0.055	27.14	26.017	30.803	26.017	0.06	25.983	10.71	49.6
55	-1.731	32.347	-1.81	-1.732	361.0	96.63	0.044	20.47	26.022	30.809	26.022	0.06	25.986	11.77	54.5
60	-1.739	32.354	-1.82	-1.740	359.6	96.23	0.037	16.07	26.028	30.815	26.028	0.06	25.989	12.82	59.5
65	-1.739	32.367	-1.82	-1.740	359.1	96.10	0.034	14.76	26.039	30.825	26.039	0.12	25.993	13.86	64.4
70	-1.734	32.383	-1.83	-1.735	355.3	95.11	0.032	14.83	26.052	30.838	26.052	0.07	25.996	14.90	69.4
75	-1.705	32.455	-1.83	-1.706	354.1	94.92	0.031	19.30	26.110	30.895	26.110	0.09	26.002	15.92	74.3
80	-1.696	32.476	-1.84	-1.698	352.4	94.50	0.035	22.23	26.127	30.911	26.127	0.05	26.010	16.93	79.3
85	-1.688	32.497	-1.84	-1.689	349.5	93.78	0.033	20.76	26.143	30.927	26.143	0.06	26.017	17.93	84.3
90	-1.680	32.515	-1.85	-1.681	350.3	94.02	0.032	19.22	26.158	30.941	26.158	0.07	26.024	18.92	89.2
95	-1.637	32.633	-1.86	-1.638	344.0	92.53	0.033	18.93	26.253	31.034	26.253	0.15	26.033	19.88	94.2
100	-1.602	32.726	-1.87	-1.604	342.9	92.38	0.034	21.93	26.327	31.107	26.328	0.17	26.046	20.80	99.1
105	-1.574	32.833	-1.88	-1.576	339.4	91.57	0.033	18.05	26.414	31.191	26.414	0.31	26.061	21.69	104.1
110	-1.519	32.957	-1.89	-1.521	336.0	90.90	0.034	23.47	26.513	31.287	26.513	0.22	26.080	22.52	109.0
115	-1.517	33.036	-1.90	-1.520	334.9	90.66	0.034	19.15	26.577	31.351	26.577	0.22	26.100	23.31	114.0
120	-1.478	33.115	-1.90	-1.480	331.6	89.91	0.032	21.49	26.640	31.412	26.640	0.21	26.121	24.08	118.9
125	-1.467	33.157	-1.91	-1.470	329.8	89.46	0.034	22.08	26.674	31.445	26.674	0.26	26.143	24.82	123.9
149	-1.033	33.852	-1.97	-1.037	312.2	86.16	0.033	42.40	27.224	31.976	27.224	0.12	26.274	27.69	147.6

NEWP 92 STA 34 CTD 53

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.132	32.275	-1.77	0.132	-9.0	-9.00	0.274	487.90	25.901	30.632	25.901	0.05	25.900	0.00	0.0
2	0.139	32.273	-1.77	0.139	-9.0	-9.00	0.376	495.01	25.899	30.629	25.899	0.03	25.901	0.44	2.0
4	0.064	32.279	-1.77	0.064	-9.0	-9.00	0.407	507.07	25.907	30.640	25.907	0.11	25.900	0.89	4.0
6	0.069	32.269	-1.77	0.069	-9.0	-9.00	0.438	507.88	25.899	30.632	25.899	0.08	25.900	1.33	5.9
8	-0.036	32.271	-1.77	-0.036	-9.0	-9.00	0.699	501.45	25.906	30.642	25.906	0.09	25.900	1.78	7.9
10	-0.025	32.266	-1.77	-0.025	-9.0	-9.00	0.523	504.85	25.901	30.637	25.901	0.01	25.901	2.22	9.9
12	-0.061	32.261	-1.77	-0.062	-9.0	-9.00	0.542	504.23	25.899	30.635	25.899	0.09	25.900	2.67	11.9
14	-0.143	32.268	-1.78	-0.144	-9.0	-9.00	0.756	499.71	25.908	30.647	25.908	0.03	25.901	3.11	13.9
16	-0.163	32.263	-1.78	-0.164	-9.0	-9.00	0.861	490.30	25.904	30.644	25.904	0.08	25.901	3.56	15.9
18	-0.125	32.264	-1.78	-0.126	-9.0	-9.00	0.651	496.74	25.903	30.642	25.903	0.02	25.901	4.00	17.8
20	-0.135	32.261	-1.78	-0.136	-9.0	-9.00	0.666	498.49	25.902	30.641	25.902	0.07	25.901	4.44	19.8
22	-0.128	32.258	-1.78	-0.129	-9.0	-9.00	0.767	499.35	25.899	30.638	25.899	0.06	25.901	4.89	21.8
24	-0.118	32.259	-1.78	-0.118	-9.0	-9.00	0.876	496.24	25.899	30.638	25.899	0.05	25.901	5.33	23.8
26	-0.069	32.255	-1.78	-0.070	-9.0	-9.00	0.781	506.81	25.894	30.631	25.894	-0.06	25.901	5.78	25.8
28	-0.103	32.247	-1.79	-0.103	-9.0	-9.00	0.898	504.44	25.888	30.626	25.888	0.04	25.900	6.22	27.8
30	-0.143	32.248	-1.79	-0.144	-9.0	-9.00	0.761	491.37	25.891	30.630	25.891	0.04	25.899	6.67	29.7
32	-0.156	32.244	-1.79	-0.156	-9.0	-9.00	0.612	492.80	25.889	30.628	25.889	0.04	25.899	7.12	31.7
34	-0.142	32.239	-1.79	-0.143	-9.0	-9.00	0.607	489.95	25.884	30.623	25.884	-0.05	25.898	7.56	33.7
36	-1.024	32.223	-1.79	-1.025	-9.0	-9.00	0.610	277.28	25.903	30.669	25.903	-0.07	25.897	8.01	35.7
38	-1.517	32.277	-1.79	-1.518	-9.0	-9.00	0.554	214.01	25.961	30.741	25.961	0.22	25.899	8.45	37.7
40	-1.593	32.306	-1.80	-1.594	-9.0	-9.00	0.378	178.39	25.986	30.769	25.986	0.10	25.903	8.88	39.7
45	-1.624	32.319	-1.80	-1.625	-9.0	-9.00	0.247	173.33	25.997	30.780	25.997	0.07	25.913	9.95	44.6
50	-1.640	32.321	-1.81	-1.641	-9.0	-9.00	0.174	168.04	25.999	30.783	25.999	0.05	25.921	11.01	49.6
55	-1.645	32.323	-1.81	-1.646	-9.0	-9.00	0.417	175.63	26.001	30.785	26.001	0.05	25.929	12.07	54.5
60	-1.648	32.324	-1.82	-1.649	-9.0	-9.00	0.130	179.77	26.002	30.786	26.002	0.05	25.935	13.13	59.5
65	-1.652	32.327	-1.82	-1.653	-9.0	-9.00	0.236	183.78	26.005	30.789	26.005	0.13	25.940	14.20	64.4
70	-1.653	32.372	-1.83	-1.654	-9.0	-9.00	0.208	181.70	26.041	30.825	26.041	0.05	25.946	15.24	69.4
75	-1.655	32.374	-1.83	-1.656	-9.0	-9.00	0.165	179.02	26.043	30.827	26.043	0.04	25.953	16.29	74.4
80	-1.657	32.375	-1.83	-1.658	-9.0	-9.00	0.218	180.31	26.044	30.827	26.044	0.06	25.958	17.33	79.3
85	-1.659	32.376	-1.84	-1.661	-9.0	-9.00	0.189	192.63	26.044	30.828	26.045	0.04	25.963	18.37	84.3

NEWP 92 STA 35 CTD 54															
Press	Temp	Salnty	Frr.Pt	Theta	Oxygen	Ox‡	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.032	31.997	-1.75	1.032	387.7	111.47	0.084	262.02	25.629	30.337	25.629	0.04	25.629	0.00	0.0
2	1.081	32.034	-1.75	1.081	387.2	111.49	0.079	270.71	25.656	30.362	25.656	0.30	25.637	0.50	2.0
4	1.185	32.112	-1.76	1.185	387.1	111.81	0.097	278.37	25.713	30.415	25.713	0.29	25.660	0.98	4.0
6	1.266	32.166	-1.76	1.265	389.1	112.68	0.080	283.92	25.751	30.451	25.751	0.11	25.685	1.46	6.0
8	1.288	32.185	-1.77	1.287	389.7	112.95	0.126	289.01	25.764	30.464	25.764	0.01	25.704	1.93	7.9
10	1.262	32.187	-1.77	1.262	391.9	113.49	0.099	287.10	25.768	30.468	25.768	0.10	25.716	2.40	9.9
12	1.296	32.187	-1.77	1.296	394.2	114.28	0.135	288.84	25.766	30.465	25.766	-0.01	25.725	2.87	11.9
14	1.209	32.182	-1.77	1.209	399.4	115.51	0.113	284.87	25.767	30.468	25.767	0.04	25.731	3.34	13.9
16	1.250	32.211	-1.77	1.250	403.0	116.69	0.125	289.56	25.788	30.488	25.788	0.25	25.736	3.81	15.9
18	1.251	32.231	-1.78	1.250	404.7	117.21	0.136	296.72	25.804	30.504	25.804	0.12	25.743	4.28	17.9
20	0.940	32.218	-1.78	0.940	409.5	117.65	0.184	289.48	25.812	30.521	25.812	0.19	25.749	4.74	19.8
22	0.705	32.231	-1.78	0.704	412.7	117.85	0.138	297.68	25.836	30.551	25.836	0.12	25.756	5.20	21.8
24	0.538	32.234	-1.78	0.537	415.5	118.11	0.155	312.76	25.847	30.567	25.847	0.02	25.764	5.65	23.8
26	0.256	32.241	-1.78	0.255	419.9	118.49	0.147	312.28	25.868	30.595	25.868	0.01	25.771	6.11	25.8
28	-0.098	32.270	-1.79	-0.098	425.7	119.02	0.114	307.40	25.907	30.645	25.907	0.17	25.779	6.55	27.8
30	-0.214	32.269	-1.79	-0.215	426.2	118.80	0.136	303.01	25.911	30.652	25.911	0.22	25.788	7.00	29.7
32	-0.554	32.279	-1.79	-0.555	430.4	118.90	0.116	286.55	25.933	30.684	25.933	0.17	25.796	7.44	31.7
34	-0.970	32.298	-1.79	-0.971	432.7	118.21	0.220	310.76	25.962	30.726	25.962	0.25	25.805	7.87	33.7
36	-1.170	32.300	-1.79	-1.170	433.9	117.90	0.380	368.23	25.971	30.740	25.971	0.16	25.814	8.30	35.7
38	-1.263	32.313	-1.80	-1.264	427.6	115.91	0.299	361.34	25.983	30.756	25.983	0.02	25.823	8.73	37.7
40	-1.439	32.317	-1.80	-1.439	423.6	114.26	0.557	293.22	25.991	30.769	25.991	0.10	25.831	9.16	39.7
45	-1.530	32.321	-1.80	-1.531	405.2	109.02	0.256	257.41	25.997	30.777	25.997	0.09	25.849	10.22	44.6
50	-1.590	32.335	-1.81	-1.590	394.0	105.85	0.318	209.27	26.009	30.792	26.010	0.03	25.865	11.28	49.6
55	-1.612	32.343	-1.81	-1.613	384.1	103.14	0.386	187.63	26.017	30.799	26.017	0.05	25.878	12.34	54.5
60	-1.618	32.348	-1.82	-1.619	377.7	101.40	0.388	193.18	26.021	30.803	26.021	0.05	25.890	13.39	59.5
65	-1.620	32.348	-1.82	-1.621	372.3	99.94	0.201	192.71	26.021	30.804	26.021	0.04	25.900	14.44	64.4
70	-1.630	32.349	-1.82	-1.631	369.7	99.24	0.185	183.93	26.022	30.805	26.022	0.05	25.909	15.50	69.4
75	-1.641	32.354	-1.83	-1.642	363.6	97.57	0.249	187.79	26.027	30.810	26.027	0.06	25.917	16.55	74.4
80	-1.650	32.362	-1.83	-1.652	357.1	95.81	0.373	194.33	26.033	30.816	26.033	0.05	25.924	17.60	79.3
83	-1.651	32.365	-1.83	-1.653	357.9	96.02	0.155	194.70	26.035	30.819	26.035	0.12	25.928	18.22	82.3

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
36	55	29 JUL 92	2126	80 5.53	-13 56.38	154	6	0

Pres dbar	BNL_ID	CTD Tem C	CTD Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	626	1.522	32.312	1.522	25.852		420.1	.07	0.00	.07	.72	.34
3	625	1.451	32.312	1.451	25.856		422.2	.06	0.00	.07	.72	.35
5	624	1.345	32.311	1.345	25.862		423.0	0.00	0.00	.07	.71	.35
7	623	1.319	32.314	1.318	25.866		423.4	-.01	0.00	.07	.70	.35
11	622	1.134	32.311	1.134	25.875		430.0	.01	.01	.07	.71	.50
18	621	-.039	32.319	-.040	25.944		424.1	0.00	.01	.06	.77	1.15
26	620	-1.262	32.336	-1.262	26.002		402.0	.12	.01	.06	.83	1.32
37	619	-1.628	32.357	-1.628	26.028		368.2	3.25	.03	.07	1.02	5.23
50	618	-1.709	32.364	-1.710	26.036		364.3	3.93	.02	.10	1.08	6.78
101	617	-1.689	32.555	-1.691	26.191		352.7	5.49	.03	.08	1.14	9.64
149	616	-1.229	33.653	-1.233	27.070	33.579	323.8	9.12	.02	.15	1.00	9.38
153	615	-1.225	33.654	-1.229	27.070		328.2	8.95	.02	.08	1.00	9.44

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	626	1.32	.42	23.9	1.8			75000			
3	625	1.23	.45	21.8	1.9			97000			
5	624	1.79	.41	21.2	1.7			90100			
7	623	1.47	.53	18.6	1.8			107000			
11	622	1.85	.64	25.1	2.5			111000			
18	621	3.58	.42	33.3	2.7			141000			
26	620	2.58	.26	19.5	2.1			235000			
37	619	3.93	.14	10.6	1.5						
50	618	1.59	.42	9.2	1.0						
101	617	.62	.08	4.1	.5						
149	616	.34	.15	2.1	.2						
153	615			1.7	.2						

NEWP 92 STA 36 CTD 55															
Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.539	32.308	-1.77	1.539	400.5	116.93	0.142	383.63	25.847	30.538	25.847	0.07	25.847	0.00	0.0
2	1.445	32.311	-1.77	1.445	402.6	117.25	0.167	397.84	25.856	30.549	25.856	0.07	25.851	0.45	2.0
4	1.281	32.304	-1.77	1.281	405.0	117.46	0.203	427.84	25.861	30.559	25.861	0.15	25.854	0.91	4.0
6	1.129	32.304	-1.77	1.128	406.5	117.43	0.260	448.11	25.870	30.572	25.870	0.09	25.858	1.36	5.9
8	0.883	32.305	-1.77	0.883	410.7	117.88	0.429	461.19	25.885	30.595	25.885	0.14	25.863	1.81	7.9
10	0.772	32.304	-1.78	0.772	410.7	117.52	0.469	473.09	25.891	30.604	25.891	0.09	25.868	2.25	9.9
12	0.711	32.303	-1.78	0.711	412.3	117.81	0.537	520.07	25.893	30.608	25.894	0.06	25.872	2.70	11.9
14	0.643	32.301	-1.78	0.642	414.4	118.20	0.596	559.15	25.896	30.612	25.896	0.05	25.875	3.15	13.9
16	0.546	32.298	-1.78	0.545	415.6	118.24	0.669	604.29	25.899	30.618	25.899	0.07	25.878	3.59	15.9
18	0.275	32.301	-1.78	0.275	417.7	117.99	0.697	526.15	25.915	30.641	25.915	0.08	25.881	4.03	17.8
20	-0.229	32.292	-1.78	-0.229	422.4	117.72	0.497	452.27	25.931	30.672	25.931	0.22	25.885	4.47	19.8
22	-0.679	32.301	-1.78	-0.680	425.0	117.01	0.360	350.38	25.955	30.710	25.955	0.18	25.890	4.91	21.8
24	-1.063	32.312	-1.79	-1.063	425.6	115.98	0.310	288.53	25.977	30.743	25.977	0.12	25.897	5.34	23.8
26	-1.137	32.313	-1.79	-1.137	417.6	113.58	0.195	293.94	25.980	30.749	25.980	0.01	25.903	5.77	25.8
28	-1.355	32.313	-1.79	-1.356	415.6	112.36	0.203	259.99	25.986	30.761	25.986	0.13	25.909	6.20	27.8
30	-1.431	32.324	-1.79	-1.432	413.6	111.61	0.309	332.87	25.997	30.774	25.997	0.10	25.914	6.63	29.7
32	-1.332	32.340	-1.79	-1.333	408.3	110.49	0.442	388.55	26.008	30.782	26.008	0.07	25.920	7.05	31.7
34	-1.340	32.341	-1.80	-1.341	405.8	109.77	0.268	243.32	26.008	30.783	26.008	0.06	25.925	7.47	33.7
36	-1.480	32.338	-1.80	-1.480	412.1	111.05	0.468	340.98	26.010	30.788	26.010	0.05	25.930	7.90	35.7
38	-1.543	32.346	-1.80	-1.543	408.6	109.92	0.635	362.56	26.017	30.798	26.017	0.09	25.934	8.32	37.7
40	-1.615	32.346	-1.80	-1.616	400.2	107.45	0.478	241.24	26.019	30.802	26.019	0.07	25.938	8.74	39.7
45	-1.682	32.352	-1.80	-1.682	382.7	102.57	0.117	121.57	26.026	30.811	26.026	0.04	25.948	9.79	44.6
50	-1.708	32.356	-1.81	-1.709	374.8	100.38	0.216	154.81	26.029	30.815	26.029	0.05	25.956	10.84	49.6
55	-1.729	32.358	-1.81	-1.730	368.5	98.65	0.121	137.61	26.032	30.818	26.032	0.03	25.962	11.89	54.5
60	-1.739	32.365	-1.82	-1.740	368.2	98.53	0.059	87.30	26.037	30.824	26.037	0.05	25.968	12.94	59.5
65	-1.742	32.370	-1.82	-1.744	364.9	97.66	0.091	107.79	26.041	30.828	26.041	0.05	25.974	13.98	64.4
70	-1.743	32.374	-1.83	-1.744	365.9	97.91	0.054	91.58	26.045	30.831	26.045	0.06	25.979	15.02	69.4
75	-1.736	32.393	-1.83	-1.738	362.1	96.94	0.071	79.17	26.060	30.846	26.060	0.07	25.983	16.06	74.3
80	-1.731	32.412	-1.84	-1.733	359.9	96.38	0.069	83.49	26.075	30.861	26.075	0.11	25.989	17.09	79.3
85	-1.727	32.434	-1.84	-1.729	355.2	95.13	0.060	84.92	26.093	30.879	26.093	0.08	25.994	18.11	84.3
90	-1.723	32.447	-1.84	-1.725	357.6	95.82	0.041	95.85	26.104	30.889	26.104	0.07	26.000	19.13	89.2
95	-1.716	32.466	-1.85	-1.718	351.8	94.30	0.051	81.85	26.119	30.904	26.119	0.10	26.006	20.14	94.2
100	-1.693	32.529	-1.86	-1.695	350.7	94.08	0.065	101.48	26.169	30.953	26.169	0.26	26.012	21.13	99.1
105	-1.660	32.629	-1.87	-1.662	347.0	93.26	0.055	96.06	26.250	31.032	26.250	0.16	26.022	22.09	104.1
110	-1.632	32.709	-1.87	-1.634	347.7	93.59	0.068	94.78	26.314	31.094	26.314	0.21	26.034	23.01	109.0
115	-1.584	32.860	-1.89	-1.586	341.8	92.22	0.054	84.76	26.436	31.214	26.436	0.28	26.049	23.89	114.0
120	-1.554	32.944	-1.89	-1.556	339.8	91.80	0.057	93.23	26.504	31.279	26.504	0.15	26.067	24.72	118.9
125	-1.507	33.086	-1.91	-1.509	336.1	91.04	0.045	73.44	26.618	31.391	26.618	0.30	26.086	25.51	123.9
150	-1.228	33.650	-1.96	-1.232	319.4	87.55	0.042	76.33	27.067	31.827	27.067	0.09	26.215	28.72	148.6
154	-1.225	33.654	-1.96	-1.229	319.4	87.55	0.059	83.34	27.070	31.830	27.070	0.04	26.237	29.16	152.6

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.566	32.295	-1.77	0.566	369.4	105.13	0.337	302.29	25.895	30.614	25.895	0.05	25.895	0.00	0.0
2	0.365	32.303	-1.77	0.365	371.3	105.12	0.300	302.14	25.912	30.636	25.912	0.11	25.902	0.44	2.0
4	0.190	32.286	-1.77	0.189	373.1	105.14	0.344	300.38	25.906	30.636	25.906	0.22	25.905	0.89	4.0
6	-0.402	32.263	-1.77	-0.402	378.7	105.02	0.327	281.71	25.914	30.661	25.914	0.29	25.908	1.33	5.9
8	-0.577	32.309	-1.77	-0.577	379.2	104.70	0.320	286.23	25.958	30.709	25.958	-0.33	25.918	1.76	7.9
10	-0.858	32.320	-1.78	-0.858	383.6	105.14	0.355	268.98	25.977	30.737	25.977	-0.11	25.926	2.20	9.9
12	-1.058	32.294	-1.78	-1.058	387.2	105.52	0.386	236.91	25.962	30.729	25.962	0.36	25.931	2.63	11.9
14	-0.925	32.373	-1.78	-0.925	385.2	105.42	0.415	237.95	26.022	30.783	26.022	0.31	25.939	3.06	13.9
16	-0.835	32.325	-1.78	-0.835	384.4	105.43	0.412	267.74	25.980	30.739	25.980	0.35	25.945	3.49	15.9
18	-0.356	32.350	-1.78	-0.357	382.9	106.38	0.472	289.32	25.983	30.728	25.983	-0.51	25.953	3.91	17.8
20	-0.320	32.312	-1.78	-0.321	384.6	106.93	0.299	294.17	25.951	30.695	25.951	0.08	25.953	4.34	19.8
22	-0.294	32.315	-1.78	-0.295	387.3	107.75	0.318	293.22	25.951	30.695	25.951	0.07	25.953	4.78	21.8
24	-0.314	32.309	-1.79	-0.315	388.1	107.92	0.349	283.13	25.948	30.692	25.948	-0.01	25.952	5.21	23.8
26	-0.315	32.312	-1.79	-0.315	390.9	108.70	0.263	277.74	25.950	30.694	25.950	0.11	25.952	5.65	25.8
28	-0.274	32.311	-1.79	-0.275	388.8	108.24	0.299	280.12	25.948	30.691	25.948	0.04	25.952	6.08	27.8
30	-0.326	32.316	-1.79	-0.327	393.0	109.26	0.342	285.20	25.954	30.698	25.954	0.56	25.951	6.52	29.7
32	-0.432	32.281	-1.79	-0.433	396.0	109.75	0.196	288.68	25.930	30.677	25.930	0.14	25.951	6.96	31.7
34	-0.930	32.286	-1.79	-0.931	400.0	109.38	0.257	251.28	25.951	30.714	25.951	-0.75	25.950	7.39	33.7
36	-1.646	32.307	-1.80	-1.646	404.7	108.54	0.170	166.98	25.989	30.773	25.989	0.23	25.950	7.83	35.7
38	-1.684	32.320	-1.80	-1.685	398.4	106.76	0.417	104.78	26.000	30.785	26.000	0.13	25.952	8.25	37.7
40	-1.685	32.331	-1.80	-1.685	393.4	105.43	0.155	90.67	26.009	30.794	26.009	0.08	25.955	8.68	39.7
45	-1.661	32.341	-1.80	-1.662	388.1	104.08	0.112	118.39	26.016	30.800	26.016	0.06	25.962	9.73	44.6
50	-1.668	32.346	-1.81	-1.669	383.5	102.82	0.247	136.63	26.021	30.805	26.021	0.10	25.967	10.79	49.6
55	-1.683	32.358	-1.81	-1.684	376.6	100.94	0.129	115.39	26.030	30.815	26.030	0.04	25.973	11.84	54.5
60	-1.706	32.361	-1.82	-1.707	373.5	100.06	0.142	85.65	26.034	30.819	26.034	0.06	25.978	12.88	59.5
65	-1.701	32.372	-1.82	-1.702	369.9	99.10	0.150	57.39	26.042	30.827	26.042	0.05	25.982	13.93	64.4
70	-1.683	32.377	-1.83	-1.685	368.3	98.72	0.177	94.11	26.046	30.831	26.046	0.04	25.987	14.97	69.4
75	-1.726	32.384	-1.83	-1.728	365.5	97.88	0.110	57.68	26.052	30.838	26.052	0.06	25.991	16.01	74.3
80	-1.730	32.404	-1.83	-1.731	363.3	97.29	0.043	38.92	26.069	30.855	26.069	0.11	25.995	17.04	79.3
85	-1.715	32.456	-1.84	-1.717	359.8	96.42	0.032	22.96	26.111	30.896	26.111	0.13	26.001	18.06	84.3
90	-1.689	32.548	-1.85	-1.691	356.3	95.62	0.034	24.51	26.185	30.968	26.185	0.21	26.009	19.05	89.2
95	-1.674	32.598	-1.86	-1.676	352.9	94.79	0.033	19.81	26.225	31.007	26.225	0.10	26.020	20.01	94.2
100	-1.631	32.707	-1.87	-1.632	349.5	94.07	0.034	16.73	26.313	31.093	26.313	0.28	26.032	20.94	99.1
105	-1.594	32.815	-1.88	-1.596	349.1	94.12	0.032	16.81	26.399	31.178	26.400	0.22	26.048	21.82	104.1
110	-1.539	32.968	-1.89	-1.541	343.6	92.91	0.035	20.76	26.522	31.297	26.522	0.15	26.067	22.65	109.0
115	-1.514	33.057	-1.90	-1.516	339.6	91.95	0.036	32.43	26.594	31.368	26.594	0.17	26.088	23.44	114.0
120	-1.494	33.159	-1.91	-1.496	335.5	90.94	0.033	25.60	26.676	31.448	26.676	0.26	26.111	24.19	118.9
125	-1.467	33.230	-1.91	-1.470	333.8	90.60	0.044	29.20	26.734	31.504	26.734	0.06	26.135	24.91	123.9
150	-1.303	33.663	-1.96	-1.306	317.5	86.86	0.033	24.35	27.080	31.841	27.080	0.18	26.260	28.07	148.6
175	-0.392	34.276	-2.01	-0.398	294.5	82.95	0.033	37.95	27.541	32.270	27.541	0.07	26.407	30.24	173.4
200	-0.028	34.463	-2.04	-0.035	290.3	82.70	0.038	45.03	27.675	32.392	27.675	0.09	26.557	31.66	198.1
225	0.368	34.637	-2.07	0.359	287.2	82.79	0.033	64.20	27.793	32.497	27.793	0.10	26.688	32.77	222.8
248	0.487	34.683	-2.09	0.476	274.2	79.30	0.034	90.06	27.823	32.524	27.824	0.04	26.793	33.62	245.6

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Dan	St.Ht	Depth
0	1.824	32.270	-1.77	1.824	367.3	108.00	0.494	547.50	25.797	30.481	25.797	0.02	25.798	0.00	0.0
2	1.756	32.267	-1.77	1.756	371.4	109.01	0.550	560.90	25.800	30.486	25.800	0.04	25.799	0.46	2.0
4	1.716	32.262	-1.77	1.716	376.9	110.51	0.619	557.87	25.799	30.485	25.799	0.04	25.799	0.93	4.0
6	1.525	32.255	-1.77	1.525	389.3	113.58	0.643	573.27	25.806	30.498	25.806	0.05	25.800	1.39	5.9
8	1.136	32.248	-1.77	1.135	398.2	115.01	0.853	587.36	25.825	30.528	25.825	0.27	25.803	1.85	7.9
10	0.812	32.269	-1.77	0.812	406.3	116.37	1.037	575.20	25.861	30.572	25.861	-0.71	25.812	2.31	9.9
12	0.278	32.259	-1.77	0.277	410.6	115.96	0.685	483.01	25.880	30.608	25.880	0.42	25.820	2.76	11.9
14	0.408	32.281	-1.78	0.408	403.4	114.32	0.962	522.92	25.892	30.615	25.892	0.02	25.830	3.21	13.9
16	0.339	32.246	-1.78	0.338	401.5	113.56	1.115	528.18	25.867	30.593	25.867	0.13	25.836	3.66	15.9
18	-0.104	32.265	-1.78	-0.105	404.5	113.07	0.763	418.80	25.903	30.641	25.903	0.15	25.842	4.10	17.8
20	-0.919	32.225	-1.78	-0.919	409.6	112.00	1.054	229.46	25.901	30.664	25.901	0.11	25.848	4.55	19.8
22	-1.595	32.262	-1.78	-1.595	410.8	110.30	0.139	78.11	25.951	30.734	25.951	0.13	25.855	4.99	21.8
24	-1.610	32.267	-1.78	-1.611	399.9	107.33	0.180	73.95	25.955	30.738	25.955	0.04	25.864	5.42	23.8
26	-1.658	32.272	-1.79	-1.658	394.4	105.70	0.137	56.20	25.960	30.745	25.960	0.09	25.871	5.85	25.8
28	-1.647	32.273	-1.79	-1.648	387.7	103.95	0.082	56.56	25.961	30.745	25.961	0.05	25.877	6.29	27.8
30	-1.652	32.275	-1.79	-1.653	384.3	103.03	0.068	58.86	25.962	30.747	25.962	0.05	25.883	6.72	29.7
32	-1.649	32.279	-1.79	-1.650	382.1	102.45	0.103	56.49	25.966	30.750	25.966	0.06	25.888	7.15	31.7
34	-1.613	32.284	-1.79	-1.613	379.2	101.77	0.246	45.25	25.969	30.752	25.969	0.06	25.893	7.58	33.7
36	-1.604	32.283	-1.79	-1.604	378.8	101.68	0.060	32.80	25.968	30.751	25.968	0.02	25.897	8.01	35.7
38	-1.687	32.292	-1.80	-1.688	382.8	102.54	0.063	31.48	25.977	30.763	25.977	0.06	25.901	8.44	37.7
40	-1.706	32.295	-1.80	-1.706	381.3	102.08	0.052	28.90	25.980	30.766	25.980	0.06	25.905	8.87	39.7
45	-1.736	32.304	-1.80	-1.737	377.0	100.85	0.049	20.10	25.988	30.775	25.988	0.05	25.913	9.94	44.6
50	-1.751	32.317	-1.81	-1.752	374.0	100.02	0.041	16.44	25.999	30.786	25.999	0.08	25.921	11.01	49.6
55	-1.757	32.330	-1.81	-1.757	369.9	98.94	0.038	13.81	26.009	30.796	26.009	0.07	25.929	12.07	54.5
60	-1.757	32.341	-1.82	-1.758	365.1	97.64	0.038	13.22	26.018	30.805	26.018	0.07	25.936	13.12	59.5
65	-1.752	32.362	-1.82	-1.753	362.7	97.03	0.037	13.81	26.035	30.822	26.035	0.07	25.943	14.17	64.4
70	-1.749	32.376	-1.83	-1.750	361.6	96.76	0.040	13.59	26.047	30.833	26.047	0.07	25.950	15.22	69.4
75	-1.744	32.395	-1.83	-1.745	363.2	97.22	0.036	13.88	26.062	30.848	26.062	0.11	25.957	16.25	74.4
80	-1.733	32.426	-1.84	-1.734	360.4	96.53	0.037	14.03	26.087	30.873	26.087	0.09	25.964	17.28	79.3
85	-1.715	32.476	-1.84	-1.716	357.8	95.90	0.037	13.95	26.127	30.912	26.127	0.10	25.973	18.29	84.3
90	-1.701	32.515	-1.85	-1.703	354.7	95.13	0.036	14.47	26.159	30.942	26.159	0.11	25.982	19.28	89.2
95	-1.652	32.620	-1.86	-1.654	351.2	94.39	0.036	15.12	26.243	31.024	26.243	0.23	25.994	20.25	94.2
100	-1.627	32.698	-1.87	-1.629	350.9	94.44	0.038	14.83	26.305	31.085	26.305	0.21	26.008	21.17	99.1
105	-1.603	32.787	-1.88	-1.605	347.1	93.55	0.039	14.68	26.378	31.156	26.378	0.18	26.024	22.07	104.1
110	-1.572	32.900	-1.88	-1.574	343.8	92.82	0.039	15.27	26.468	31.245	26.468	0.20	26.042	22.93	109.0
115	-1.539	33.011	-1.89	-1.541	340.9	92.19	0.038	15.56	26.557	31.332	26.557	0.23	26.062	23.74	114.0
120	-1.509	33.107	-1.90	-1.511	340.1	92.13	0.040	16.29	26.635	31.408	26.635	0.30	26.084	24.51	118.9
125	-1.438	33.288	-1.92	-1.441	336.4	91.41	0.037	18.20	26.780	31.549	26.780	0.49	26.109	25.23	123.9
150	-1.020	33.956	-1.98	-1.024	317.1	87.62	0.037	21.71	27.308	32.059	27.308	0.32	26.269	27.93	148.6
175	-0.281	34.347	-2.02	-0.287	300.4	84.92	0.034	31.11	27.594	32.319	27.594	0.27	26.441	29.68	173.4
200	0.161	34.551	-2.05	0.153	293.0	83.94	0.036	35.23	27.735	32.446	27.735	0.05	26.596	30.92	198.1
225	0.333	34.627	-2.07	0.324	291.0	83.79	0.036	36.70	27.787	32.492	27.787	0.06	26.726	31.96	222.8
250	0.457	34.673	-2.09	0.447	291.0	84.10	0.035	41.56	27.816	32.518	27.817	0.08	26.833	32.91	247.5
275	0.546	34.704	-2.11	0.534	289.9	83.99	0.035	47.47	27.836	32.535	27.837	0.05	26.924	33.81	272.2
300	0.582	34.721	-2.13	0.569	289.9	84.07	0.034	55.75	27.847	32.546	27.848	0.10	27.000	34.67	296.9
325	0.604	34.732	-2.15	0.590	281.6	81.74	0.033	71.34	27.855	32.553	27.856	0.05	27.066	35.50	321.7
332	0.606	34.732	-2.16	0.592	282.1	81.88	0.033	90.06	27.856	32.553	27.857	0.04	27.082	35.74	328.6

	Press	Temp	Salinity	Ptc.Pt	Thets	Oxygen	Ox%	Fluor	[SRM]	Sfg-0	Sfg-1	Sfg-Th	B-V	Int.Den	St.Ht	Depth
0	2.516	0.422	34.757	-1.74	2.516	376.0	112.12	0.111	295.92	295.92	30.035	25.365	25.365	25.365	0.00	0.0
2	2.452	0.422	34.757	-1.74	2.452	377.8	112.48	0.188	323.09	323.09	30.058	25.388	25.388	25.388	0.10	2.0
4	2.365	0.421	34.734	-1.74	2.364	378.6	112.52	0.145	369.406	369.406	30.079	25.406	25.406	25.384	1.09	4.0
6	2.181	0.497	34.734	-1.75	2.180	382.6	113.22	0.275	410.49	410.49	30.158	25.481	25.481	25.402	1.62	6.0
8	2.001	0.450	34.706	-1.76	2.000	386.5	113.95	0.416	497.33	497.33	30.265	25.584	25.584	25.437	2.14	7.9
10	1.418	0.433	34.670	-1.76	1.418	398.2	115.70	0.515	615.35	615.35	30.371	25.674	25.674	25.474	2.63	9.9
12	0.621	0.324	34.622	-1.76	0.620	414.9	118.07	0.761	775.44	775.44	30.435	25.717	25.717	25.515	3.12	11.9
14	-0.725	0.324	34.544	-1.77	-0.726	442.4	121.50	0.953	948.93	948.93	30.577	25.819	25.819	25.552	3.58	13.9
16	-1.428	0.433	34.544	-1.78	-1.429	440.5	118.80	0.374	162.30	25.946	30.724	25.946	25.946	25.633	4.47	17.9
18	-1.428	0.433	34.544	-1.78	1.400	452.6	122.42	0.663	179.59	25.953	30.722	25.953	25.953	25.593	4.57	15.9
20	-1.586	0.324	34.544	-1.78	-1.586	442.8	115.16	0.345	104.49	25.956	30.738	25.956	25.956	25.552	4.90	19.8
22	-1.548	0.433	34.544	-1.79	-1.548	404.2	108.70	0.146	71.63	25.978	30.759	25.978	25.978	25.716	5.76	23.8
24	-1.548	0.433	34.544	-1.79	-1.548	404.2	108.70	0.146	71.63	25.978	30.759	25.978	25.978	25.716	5.76	23.8
26	-1.622	0.433	34.544	-1.79	-1.622	400.4	107.43	0.160	54.34	25.976	30.760	25.976	25.976	25.735	6.19	25.8
28	-1.663	0.433	34.544	-1.79	-1.663	395.3	105.95	0.134	45.03	25.981	30.766	25.981	25.981	25.753	6.62	27.8
30	-1.686	0.433	34.544	-1.79	-1.686	392.2	105.08	0.061	37.59	25.982	30.767	25.982	25.982	25.768	7.05	29.7
32	-1.694	0.324	34.511	-1.79	-1.694	387.5	103.80	0.076	38.17	25.993	30.778	25.993	25.993	25.782	7.48	31.7
34	-1.716	0.433	34.511	-1.79	-1.716	382.1	102.28	0.100	30.59	25.993	30.779	25.993	25.993	25.794	7.91	33.7
36	-1.727	0.433	34.511	-1.80	-1.728	381.5	102.10	0.078	25.97	25.996	30.783	25.996	25.996	25.805	8.33	35.7
38	-1.737	0.433	34.511	-1.80	-1.738	381.1	101.96	0.050	22.15	25.999	30.786	25.999	25.999	25.816	8.76	37.7
40	-1.739	0.433	34.511	-1.80	-1.740	376.7	100.79	0.045	16.66	26.001	30.788	26.001	26.001	25.825	9.18	39.7
42	-1.745	0.433	34.511	-1.80	-1.746	372.9	99.75	0.042	16.66	26.006	30.793	26.006	26.006	25.845	10.24	41.6
44	-1.745	0.433	34.511	-1.81	-1.751	369.2	98.76	0.039	13.44	26.014	30.802	26.014	26.014	25.861	11.30	43.6
45	-1.745	0.433	34.511	-1.81	-1.746	372.9	99.75	0.042	16.66	26.006	30.793	26.006	26.006	25.845	10.24	41.6
50	-1.751	0.433	34.511	-1.81	-1.751	369.2	98.76	0.039	13.44	26.014	30.802	26.014	26.014	25.861	11.30	43.6
55	-1.759	0.433	34.511	-1.81	-1.760	364.9	97.58	0.037	12.78	26.020	30.808	26.020	26.020	25.875	12.35	45.5
60	-1.763	0.433	34.511	-1.82	-1.764	365.6	97.78	0.037	12.64	26.024	30.812	26.024	26.024	25.888	12.41	47.4
65	-1.762	0.433	34.511	-1.83	-1.763	364.7	97.54	0.036	12.86	26.028	30.816	26.028	26.028	25.898	14.46	49.4
70	-1.758	0.433	34.511	-1.83	-1.759	362.3	97.91	0.037	12.86	26.039	30.826	26.039	26.039	25.908	15.50	49.4
75	-1.753	0.433	34.511	-1.83	-1.755	359.1	96.07	0.037	13.30	26.052	30.839	26.052	26.052	25.917	16.54	49.4
80	-1.730	0.433	34.511	-1.84	-1.731	354.1	94.87	0.036	13.59	26.105	30.890	26.105	26.105	25.936	18.59	49.4
85	-1.730	0.433	34.511	-1.84	-1.731	354.1	94.87	0.036	13.59	26.105	30.890	26.105	26.105	25.936	18.59	49.4
90	-1.710	0.433	34.511	-1.85	-1.712	353.8	94.88	0.037	14.17	26.155	30.940	26.155	26.155	25.947	19.59	49.2
95	-1.681	0.433	34.511	-1.86	-1.683	351.8	93.85	0.037	14.47	26.218	31.001	26.218	26.218	25.959	20.57	49.2
100	-1.645	0.433	34.511	-1.87	-1.647	348.9	93.85	0.037	15.27	26.302	31.083	26.302	26.302	25.974	21.50	49.1
105	-1.586	0.433	34.511	-1.88	-1.588	344.7	93.01	0.038	16.00	26.446	31.224	26.446	26.446	25.993	22.38	104.1
110	-1.473	0.433	34.511	-1.89	-1.475	342.1	92.73	0.038	16.95	26.610	31.382	26.610	26.610	26.017	23.19	109.0
115	-1.378	0.433	34.511	-1.91	-1.380	337.3	92.81	0.038	18.34	26.775	31.542	26.775	26.775	26.047	23.91	114.0
120	-1.316	0.433	34.511	-1.92	-1.319	330.9	90.15	0.036	19.81	26.924	31.688	26.924	26.924	26.080	24.55	118.9
125	-0.696	0.433	34.511	-1.98	-0.700	309.2	86.30	0.034	26.63	27.421	32.161	27.422	27.422	26.301	27.47	148.6
150	-0.696	0.433	34.511	-2.02	-0.700	296.2	83.89	0.033	32.80	27.637	32.360	27.637	27.637	26.478	29.05	173.4
175	-0.224	0.433	34.511	-2.05	-0.230	296.2	83.89	0.033	32.80	27.637	32.360	27.637	27.637	26.478	29.05	173.4
200	0.324	0.433	34.544	-2.07	0.315	290.5	83.63	0.034	38.25	27.783	32.444	27.784	27.784	26.754	31.35	222.8
225	0.324	0.433	34.544	-2.09	0.423	289.0	83.47	0.033	40.60	27.815	32.518	27.816	27.816	26.858	32.31	247.5
250	0.433	0.433	34.670	-2.11	0.480	286.0	82.74	0.033	40.60	27.834	32.534	27.834	27.834	26.946	33.31	272.2
275	0.450	0.497	34.706	-2.13	0.437	287.8	83.18	0.035	63.09	27.844	32.546	27.845	27.845	27.020	34.08	296.9
300	0.450	0.497	34.706	-2.15	0.483	286.2	82.84	0.034	65.02	27.863	32.563	27.864	27.864	27.084	34.91	321.6
325	0.456	0.497	34.750	-2.17	0.441	284.4	82.24	0.034	87.52	27.879	32.580	27.887	27.887	27.140	35.70	346.4
350	0.421	0.421	34.757	-2.19	0.405	283.6	81.93	0.034	119.75	27.886	32.589	27.888	27.888	27.190	36.46	371.1
375	0.421	0.421	34.757	-2.19	0.405	283.6	81.93	0.034	119.75	27.886	32.589	27.888	27.888	27.190	36.46	371.1
380	0.422	0.422	34.757	-2.19	0.406	282.4	81.59	0.034	121.64	27.887	32.589	27.888	27.888	27.199	36.61	376.0

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPH]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	2.526	31.448	-1.72	2.526	354.0	105.33	0.042	111.53	25.088	29.760	25.088	0.14	25.087	0.00	0.0
2	2.429	31.517	-1.73	2.429	356.2	105.77	0.074	171.57	25.151	29.825	25.151	-0.01	25.117	0.60	2.0
4	2.679	31.806	-1.74	2.678	356.6	106.77	0.131	386.75	25.362	30.027	25.362	-0.31	25.192	1.16	4.0
6	2.193	31.974	-1.75	2.193	370.8	109.80	0.175	448.71	25.534	30.210	25.534	1.04	25.271	1.70	6.0
8	-1.106	32.181	-1.77	-1.106	419.6	114.09	0.793	443.66	25.872	30.641	25.872	1.05	25.376	2.18	7.9
10	-1.467	32.238	-1.77	-1.467	437.3	117.80	0.938	462.56	25.928	30.708	25.928	0.19	25.483	2.63	9.9
12	-1.527	32.261	-1.77	-1.527	439.6	118.25	1.396	531.35	25.948	30.729	25.948	0.08	25.559	3.06	11.9
14	-1.620	32.267	-1.78	-1.620	431.9	115.89	0.646	177.33	25.955	30.739	25.955	0.07	25.615	3.50	13.9
16	-1.646	32.270	-1.78	-1.646	419.5	112.49	0.193	101.44	25.958	30.743	25.958	0.11	25.657	3.93	15.9
18	-1.597	32.280	-1.78	-1.597	406.0	109.01	0.106	78.04	25.965	30.748	25.965	0.10	25.691	4.36	17.9
20	-1.611	32.280	-1.78	-1.611	396.1	106.32	0.162	95.01	25.966	30.749	25.966	0.15	25.719	4.80	19.8
22	-1.458	32.310	-1.78	-1.459	386.4	104.18	0.393	159.16	25.986	30.764	25.986	-0.10	25.742	5.23	21.8
24	-1.401	32.305	-1.79	-1.402	384.1	103.72	0.252	161.00	25.980	30.757	25.981	0.04	25.762	5.66	23.8
26	-1.436	32.297	-1.79	-1.437	385.6	104.01	0.287	123.83	25.975	30.753	25.975	0.06	25.779	6.08	25.8
28	-1.618	32.294	-1.79	-1.619	386.6	103.75	0.161	62.21	25.977	30.760	25.977	0.12	25.793	6.51	27.8
30	-1.719	32.304	-1.79	-1.719	383.4	102.61	0.101	28.76	25.987	30.774	25.987	0.15	25.805	6.94	29.7
32	-1.710	32.310	-1.79	-1.710	380.0	101.73	0.058	26.04	25.992	30.778	25.992	0.07	25.817	7.37	31.7
34	-1.708	32.317	-1.79	-1.709	376.2	100.72	0.052	23.62	25.998	30.784	25.998	0.06	25.827	7.80	33.7
36	-1.716	32.317	-1.80	-1.717	375.2	100.45	0.051	21.20	25.998	30.784	25.998	0.07	25.837	8.22	35.7
38	-1.708	32.322	-1.80	-1.709	374.3	100.22	0.055	22.30	26.002	30.788	26.002	0.04	25.845	8.65	37.7
40	-1.709	32.329	-1.80	-1.710	372.0	99.61	0.055	21.93	26.007	30.793	26.007	0.09	25.853	9.07	39.7
45	-1.687	32.335	-1.80	-1.688	367.6	98.49	0.074	37.95	26.012	30.797	26.012	0.08	25.871	10.13	44.6
50	-1.712	32.340	-1.81	-1.713	364.3	97.56	0.071	25.23	26.016	30.802	26.016	0.06	25.885	11.18	49.6
55	-1.718	32.347	-1.81	-1.718	368.4	98.64	0.058	24.43	26.022	30.808	26.022	0.04	25.897	12.24	54.5
60	-1.742	32.350	-1.82	-1.743	364.3	97.47	0.088	16.00	26.025	30.812	26.026	0.07	25.908	13.29	59.5
65	-1.751	32.360	-1.82	-1.752	361.2	96.64	0.042	14.17	26.034	30.820	26.034	0.06	25.917	14.34	64.4
70	-1.751	32.386	-1.83	-1.752	359.5	96.19	0.035	13.73	26.054	30.841	26.054	0.08	25.926	15.38	69.4
75	-1.746	32.405	-1.83	-1.747	354.8	94.96	0.037	14.90	26.070	30.856	26.070	0.12	25.935	16.41	74.4
80	-1.728	32.445	-1.84	-1.729	356.4	95.46	0.036	15.93	26.102	30.888	26.102	0.12	25.945	17.43	79.3
85	-1.700	32.551	-1.85	-1.702	355.3	95.33	0.038	16.07	26.188	30.972	26.188	0.16	25.956	18.42	84.3
90	-1.651	32.633	-1.86	-1.652	350.0	94.09	0.038	15.93	26.253	31.035	26.253	0.17	25.971	19.38	89.2
95	-1.635	32.721	-1.86	-1.637	344.6	92.74	0.036	17.83	26.324	31.105	26.324	0.18	25.988	20.30	94.2
100	-1.610	32.796	-1.87	-1.612	343.9	92.68	0.037	16.95	26.384	31.163	26.384	0.18	26.006	21.19	99.1
105	-1.560	32.940	-1.88	-1.562	338.1	91.34	0.036	17.61	26.501	31.277	26.501	0.21	26.027	22.03	104.1
110	-1.500	33.127	-1.90	-1.503	334.7	90.70	0.037	18.78	26.651	31.423	26.651	0.23	26.052	22.82	109.0
115	-1.453	33.338	-1.91	-1.455	332.0	90.22	0.037	18.93	26.821	31.590	26.821	0.27	26.081	23.52	114.0
120	-1.371	33.533	-1.93	-1.374	329.0	89.74	0.038	19.08	26.977	31.742	26.977	0.18	26.115	24.14	118.9
125	-1.300	33.680	-1.94	-1.303	328.0	89.75	0.035	19.22	27.093	31.855	27.094	0.15	26.153	24.69	123.9
150	-0.347	34.275	-1.99	-0.351	302.1	85.19	0.036	40.01	27.538	32.266	27.538	0.10	26.351	26.75	148.6
175	0.073	34.499	-2.03	0.066	292.6	83.58	0.032	40.60	27.698	32.412	27.698	0.09	26.534	28.10	173.3
200	0.312	34.624	-2.05	0.304	289.1	83.19	0.032	38.69	27.785	32.492	27.786	0.05	26.686	29.19	198.1
225	0.433	34.680	-2.07	0.423	286.8	82.83	0.033	49.68	27.824	32.526	27.824	0.06	26.810	30.13	222.8
250	0.506	34.710	-2.09	0.496	282.4	81.74	0.034	86.25	27.843	32.544	27.844	0.06	26.913	31.00	247.5
272	0.503	34.719	-2.11	0.491	282.1	81.66	0.032	127.18	27.851	32.551	27.852	0.04	26.988	31.75	269.3

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
41	60	30 JUL 92	0641	80 23.01	-15 35.00	93	17	0

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	686	-.047	31.849	-.048	25.565		413.9	.10	0.00	.01	.75	.98
7	685	-.236	31.932	-.236	25.640		429.5	.10	0.00	0.00	.74	.88
12	684	-1.074	32.062	-1.074	25.775		428.4	.10	0.00	.01	.75	.93
19	683	-.954	32.130	-.955	25.826		447.4	.10	0.00	.03	.72	1.11
25	682	-1.180	32.199	-1.181	25.889		441.5	.13	0.00	.04	.75	1.56
29	681	-1.324	32.215	-1.324	25.906		432.5	.25	0.00	.04	.81	1.52
38	680	-1.679	32.264	-1.680	25.954		371.4					
45	679	-1.694	32.303	-1.695	25.986		366.8	4.15	.02	.04	1.05	8.48
69	678	-1.717	32.425	-1.718	26.086		361.2	4.86	.01	.04	1.06	9.42
74	677	-1.714	32.449	-1.716	26.105		359.5	5.03	.01	.04	1.06	9.52
81	676	-1.672	32.554	-1.674	26.189	32.628	352.5	5.77	.01	.06	1.05	9.86

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	686	.68	.09	7.5	1.1			55700			
7	685	.83	.12	12.4	1.4			59600			
12	684	2.21	.23	15.2	1.9			76800			
19	683	3.23	.45	31.7	2.8			100000			
25	682	5.58	.75	27.5	3.2			75100			
29	681	5.28	2.34	29.3	2.9			106000			
38	680	3.23	.45	6.7	1.1			52800			
45	679	1.29	.19	4.0	.4						
69	678	.36	.07	4.1	.2						
74	677	.34	.09	1.1	.1						
81	676	.18	.07	.8	.1						

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Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.245	31.605	-1.73	1.245	-9.0	-9.00	0.042	89.02	25.302	30.007	25.302	0.14	25.301	0.00	0.0
2	0.939	31.625	-1.73	0.939	440.3	125.91	0.047	130.15	25.336	30.049	25.336	0.66	25.318	0.56	2.0
4	0.127	31.796	-1.74	0.127	434.6	121.80	0.049	181.85	25.514	30.250	25.514	0.45	25.386	1.09	4.0
6	-0.052	31.838	-1.75	-0.052	433.8	121.04	0.052	218.90	25.556	30.296	25.556	0.13	25.438	1.60	6.0
8	-0.100	31.857	-1.75	-0.100	432.4	120.52	0.069	224.97	25.574	30.315	25.574	0.14	25.470	2.11	7.9
10	-0.120	31.863	-1.75	-0.120	431.6	120.24	0.084	237.31	25.579	30.321	25.580	0.05	25.491	2.62	9.9
12	-0.171	31.867	-1.75	-0.171	431.8	120.14	0.088	224.97	25.585	30.328	25.585	0.15	25.506	3.13	11.9
14	-0.223	31.885	-1.75	-0.223	431.8	119.99	0.237	250.64	25.602	30.347	25.602	0.37	25.518	3.63	13.9
16	-0.292	31.973	-1.76	-0.293	427.5	118.64	0.099	262.58	25.676	30.422	25.676	0.22	25.535	4.12	15.9
18	-0.439	32.019	-1.77	-0.439	431.4	119.30	0.080	336.70	25.719	30.469	25.719	0.24	25.552	4.61	17.9
20	-0.827	32.042	-1.77	-0.828	440.1	120.46	0.122	395.38	25.751	30.512	25.751	0.33	25.571	5.09	19.8
22	-0.911	32.091	-1.77	-0.912	441.6	120.64	0.266	474.97	25.793	30.557	25.793	0.24	25.589	5.55	21.8
24	-0.968	32.122	-1.78	-0.969	438.9	119.74	0.443	577.11	25.820	30.585	25.820	0.16	25.608	6.02	23.8
26	-1.240	32.145	-1.78	-1.241	446.2	120.87	0.694	588.04	25.847	30.620	25.847	0.20	25.625	6.47	25.8
28	-1.265	32.173	-1.78	-1.266	444.9	120.45	0.702	573.03	25.870	30.643	25.870	0.02	25.642	6.92	27.8
30	-1.480	32.184	-1.78	-1.480	444.4	119.62	1.251	608.59	25.885	30.665	25.885	0.12	25.657	7.37	29.8
32	-1.485	32.191	-1.79	-1.485	435.4	117.18	1.305	630.49	25.891	30.671	25.891	0.13	25.672	7.82	31.7
34	-1.292	32.209	-1.79	-1.292	427.2	115.60	0.666	737.04	25.900	30.674	25.900	0.05	25.685	8.26	33.7
36	-1.333	32.212	-1.79	-1.333	434.0	117.32	0.980	703.51	25.904	30.679	25.904	0.08	25.697	8.71	35.7
38	-1.411	32.218	-1.79	-1.411	440.3	118.78	1.041	660.10	25.910	30.688	25.910	0.13	25.708	9.15	37.7
40	-1.621	32.244	-1.79	-1.622	440.1	118.05	0.816	312.31	25.936	30.720	25.936	0.12	25.719	9.59	39.7
45	-1.632	32.268	-1.80	-1.632	395.8	106.17	0.353	205.02	25.956	30.740	25.956	0.05	25.745	10.68	44.6
50	-1.682	32.293	-1.80	-1.683	381.3	102.15	0.152	75.51	25.977	30.763	25.977	0.08	25.767	11.76	49.6
55	-1.727	32.312	-1.81	-1.727	373.0	99.83	0.115	57.61	25.994	30.780	25.994	0.07	25.786	12.83	54.5
60	-1.721	32.339	-1.82	-1.722	371.2	99.38	0.058	48.72	26.016	30.802	26.016	0.07	25.804	13.89	59.5
65	-1.732	32.374	-1.82	-1.733	365.5	97.83	0.070	42.60	26.044	30.830	26.044	0.07	25.822	14.94	64.4
70	-1.717	32.411	-1.83	-1.718	360.1	96.47	0.062	43.41	26.074	30.859	26.074	0.07	25.839	15.97	69.4
75	-1.717	32.415	-1.83	-1.719	359.6	96.34	0.122	43.85	26.077	30.863	26.077	0.04	25.855	17.00	74.4
80	-1.702	32.473	-1.84	-1.703	355.9	95.44	0.050	37.80	26.124	30.909	26.124	0.25	25.870	18.01	79.3
85	-1.555	32.844	-1.86	-1.557	346.8	93.64	0.052	40.83	26.422	31.199	26.422	1.59	25.890	18.97	84.3
90	-1.464	33.085	-1.88	-1.466	331.6	89.92	0.050	41.05	26.615	31.387	26.615	0.51	25.924	19.78	89.2
93	-1.429	33.176	-1.89	-1.431	328.3	89.16	0.050	41.78	26.688	31.458	26.688	0.09	25.948	20.22	92.2

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
42	61	30 JUL 92	1009	80 1.21	-15 59.31	437	10	10

Pres dbar	BNL_ID	CTD Tem C	CTD Sal P78	Theta C	Sig-Th	Bot Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	698	-.743	32.215	-.743	25.888		387.0	1.46	.02	.03	.94	6.88
4	697	-.753	32.207	-.753	25.882		391.6	.95	.02	.04	.84	6.37
7	696	-.744	32.198	-.744	25.874		386.1	1.61	.02	.04	.96	6.99
12	695	-1.253	32.336	-1.253	26.002		373.0	3.46	.02	.03	1.03	8.18
18	694	-1.700	32.252	-1.701	25.945		367.8	4.33	.02	.03	1.04	8.72
28	693	-1.730	32.289	-1.731	25.975		366.9	4.22	.02	.08	1.01	8.28
43	692	-1.749	32.318	-1.750	25.999		365.1	4.67	.01	.07	1.08	9.33
251	691	.494	34.693	.483	27.831		286.9	13.67	.01	.08	.98	9.13
300	690	.576	34.724	.563	27.851		285.4	13.72	.01	.09	.98	9.15
349	689	.575	34.741	.560	27.865		284.4	13.74	.01	.09	.99	9.48
398	688	.554	34.743	.537	27.868	34.750	283.7	13.65	.01	.09	1.00	9.67
436	687	.548	34.744	.529	27.870		286.8	13.32	.01	.09	1.00	9.68

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	698	3.17	.12	10.3	2.3			33500			
4	697	3.99	.21	17.6	3.5			35700			
7	696	2.94	.29	14.7	3.1			30100			
12	695	1.72	.17	6.1	1.5			27000			
18	694	.59	.10	3.2	.6			26300			
28	693			3.3	.2			41100			
43	692	.25	.06	2.1	.2			20700			
251	691					2148.3	2278.1		2.350	1.866	9.70
300	690					2148.9	2282.1		2.490	1.802	8.90
349	689					2150.3	2279.8		2.170	1.879	7.00
398	688					2149.9	2313.3		2.100	1.835	6.90
436	687								2.040	1.917	8.80

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.829	32.207	-1.76	-0.829	370.2	101.45	0.189	285.27	25.884	30.644	25.884	0.04	25.884	0.00	0.0
2	-0.825	32.204	-1.76	-0.825	371.6	101.85	0.266	305.82	25.882	30.642	25.882	-0.02	25.883	0.45	2.0
4	-0.864	32.202	-1.76	-0.864	372.1	101.87	0.480	356.01	25.882	30.643	25.882	-0.02	25.883	0.90	4.0
6	-0.837	32.202	-1.77	-0.837	374.6	102.62	0.567	370.30	25.881	30.641	25.881	0.02	25.881	1.34	5.9
8	-0.848	32.191	-1.77	-0.848	376.2	103.04	0.247	381.51	25.872	30.633	25.872	0.04	25.879	1.80	7.9
10	-0.839	32.191	-1.77	-0.839	378.7	103.73	0.342	228.90	25.872	30.632	25.872	-0.09	25.878	2.24	9.9
12	-1.461	32.159	-1.77	-1.461	388.7	104.65	0.137	241.09	25.864	30.644	25.864	0.12	25.876	2.70	11.9
14	-1.632	32.216	-1.77	-1.632	387.8	103.97	0.398	205.97	25.914	30.698	25.914	0.13	25.878	3.14	13.9
16	-1.685	32.229	-1.78	-1.685	386.4	103.47	0.165	101.91	25.926	30.712	25.926	0.12	25.883	3.58	15.9
18	-1.702	32.244	-1.78	-1.703	382.1	102.27	0.073	81.85	25.938	30.725	25.938	0.13	25.889	4.02	17.8
20	-1.712	32.259	-1.78	-1.712	379.4	101.53	0.053	55.90	25.951	30.737	25.951	0.15	25.894	4.46	19.8
22	-1.724	32.270	-1.78	-1.724	376.7	100.79	0.050	44.51	25.960	30.747	25.960	0.08	25.900	4.89	21.8
24	-1.727	32.280	-1.78	-1.728	374.9	100.29	0.045	35.60	25.968	30.755	25.968	0.07	25.905	5.32	23.8
26	-1.734	32.284	-1.79	-1.734	372.1	99.55	0.046	34.79	25.972	30.759	25.972	0.07	25.910	5.75	25.8
28	-1.739	32.288	-1.79	-1.740	369.8	98.92	0.043	31.04	25.974	30.762	25.974	0.08	25.915	6.18	27.8
30	-1.742	32.291	-1.79	-1.743	369.1	98.73	0.043	32.36	25.978	30.765	25.978	0.06	25.919	6.61	29.7
32	-1.744	32.295	-1.79	-1.745	369.1	98.72	0.048	29.64	25.980	30.768	25.980	0.07	25.923	7.04	31.7
34	-1.744	32.297	-1.79	-1.745	371.8	99.43	0.050	39.13	25.982	30.769	25.982	0.06	25.926	7.47	33.7
36	-1.745	32.302	-1.79	-1.746	370.9	99.21	0.048	38.62	25.986	30.773	25.986	0.07	25.929	7.90	35.7
38	-1.746	32.307	-1.80	-1.747	371.0	99.24	0.047	36.55	25.990	30.777	25.990	0.07	25.932	8.33	37.7
40	-1.748	32.315	-1.80	-1.749	370.2	99.01	0.046	27.95	25.997	30.784	25.997	0.06	25.935	8.75	39.7
45	-1.730	32.330	-1.80	-1.731	368.9	98.73	0.067	31.62	26.009	30.795	26.009	0.05	25.943	9.81	44.6
50	-1.727	32.341	-1.81	-1.728	364.3	97.50	0.049	25.67	26.018	30.804	26.018	0.07	25.950	10.87	49.6
55	-1.745	32.350	-1.81	-1.745	361.5	96.73	0.036	19.30	26.025	30.812	26.025	0.06	25.956	11.92	54.5
60	-1.749	32.356	-1.82	-1.750	362.8	97.07	0.049	19.74	26.030	30.817	26.030	0.06	25.962	12.97	59.5
65	-1.756	32.373	-1.82	-1.757	361.8	96.78	0.036	18.20	26.044	30.831	26.044	0.07	25.968	14.02	64.4
70	-1.752	32.393	-1.83	-1.753	360.0	96.34	0.034	19.81	26.060	30.847	26.060	0.10	25.974	15.06	69.4
75	-1.742	32.425	-1.83	-1.743	356.6	95.47	0.035	20.10	26.086	30.872	26.087	0.12	25.981	16.08	74.3
80	-1.716	32.484	-1.84	-1.717	355.8	95.37	0.037	21.05	26.134	30.918	26.134	0.09	25.989	17.09	79.3
85	-1.707	32.542	-1.85	-1.709	353.8	94.91	0.034	20.61	26.181	30.965	26.181	0.13	25.999	18.07	84.3
90	-1.675	32.608	-1.85	-1.676	351.4	94.39	0.034	21.35	26.233	31.016	26.233	0.32	26.010	19.04	89.2
95	-1.589	32.846	-1.87	-1.591	348.2	93.93	0.036	22.37	26.425	31.203	26.425	0.27	26.028	19.93	94.2
100	-1.504	33.053	-1.89	-1.506	345.0	93.43	0.035	23.55	26.591	31.364	26.591	0.18	26.052	20.74	99.1
105	-1.479	33.114	-1.89	-1.481	340.8	92.38	0.036	24.35	26.639	31.411	26.639	0.09	26.079	21.50	104.1
110	-1.397	33.296	-1.91	-1.399	337.8	91.90	0.037	25.45	26.785	31.553	26.785	0.23	26.107	22.22	109.0
115	-1.363	33.376	-1.92	-1.365	334.5	91.17	0.034	25.75	26.849	31.615	26.849	0.06	26.139	22.88	114.0
120	-1.305	33.500	-1.93	-1.308	331.0	90.43	0.036	27.14	26.947	31.711	26.948	0.52	26.169	23.52	118.9
125	-1.175	33.678	-1.94	-1.178	327.5	89.93	0.034	28.17	27.088	31.845	27.088	0.13	26.204	24.08	123.9
150	-0.669	34.087	-1.98	-0.673	311.5	86.97	0.034	37.29	27.400	32.139	27.400	0.19	26.378	26.36	148.6
175	-0.167	34.406	-2.02	-0.173	301.4	85.49	0.032	39.72	27.635	32.357	27.635	0.09	26.540	28.01	173.3
200	0.113	34.535	-2.05	0.106	297.5	85.10	0.032	42.00	27.725	32.438	27.726	0.05	26.683	29.23	198.1
225	0.390	34.653	-2.07	0.381	292.9	84.47	0.032	47.76	27.805	32.508	27.805	0.05	26.804	30.27	222.8
250	0.485	34.690	-2.09	0.475	292.9	84.73	0.031	53.53	27.829	32.530	27.830	0.05	26.905	31.18	247.5
275	0.544	34.711	-2.11	0.532	292.8	84.84	0.031	53.60	27.842	32.541	27.843	0.05	26.990	32.06	272.2
300	0.576	34.725	-2.13	0.563	292.1	84.72	0.032	62.57	27.851	32.549	27.852	0.04	27.061	32.91	296.9
325	0.598	34.734	-2.15	0.584	291.3	84.52	0.032	68.51	27.857	32.555	27.858	0.05	27.122	33.74	321.6
350	0.585	34.740	-2.17	0.570	291.3	84.51	0.032	77.44	27.863	32.561	27.864	0.05	27.175	34.55	346.3
375	0.559	34.743	-2.19	0.543	290.6	84.25	0.031	92.31	27.867	32.565	27.868	0.04	27.221	35.36	371.0
400	0.551	34.742	-2.21	0.534	290.0	84.05	0.031	109.95	27.867	32.565	27.868	0.05	27.261	36.16	395.7
437	0.549	34.744	-2.24	0.530	283.1	82.04	0.032	114.92	27.868	32.567	27.869	0.04	27.312	37.34	432.3

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.519	32.184	-1.76	-0.519	352.9	97.51	0.054	127.68	25.854	30.605	25.854	0.05	25.854	0.00	0.0
2	-0.535	32.190	-1.76	-0.535	350.9	96.92	0.064	139.90	25.860	30.612	25.860	0.22	25.854	0.45	2.0
4	-0.454	32.194	-1.76	-0.454	345.8	95.71	0.055	140.19	25.861	30.609	25.861	0.02	25.860	0.90	4.0
6	-0.619	32.190	-1.77	-0.619	353.8	97.50	0.089	146.12	25.864	30.617	25.864	0.23	25.861	1.36	5.9
8	-0.626	32.218	-1.77	-0.627	360.6	99.37	0.073	143.01	25.886	30.640	25.886	0.24	25.865	1.81	7.9
10	-0.657	32.178	-1.77	-0.657	365.7	100.66	0.121	136.95	25.855	30.610	25.855	0.16	25.866	2.26	9.9
12	-1.069	32.175	-1.77	-1.069	372.8	101.46	0.075	157.26	25.866	30.634	25.866	0.02	25.867	2.71	11.9
14	-1.137	32.214	-1.77	-1.138	373.5	101.50	0.066	130.64	25.899	30.669	25.899	-0.30	25.871	3.15	13.9
16	-1.518	32.194	-1.77	-1.518	379.1	101.93	0.069	170.87	25.894	30.675	25.894	0.28	25.872	3.60	15.9
18	-1.609	32.217	-1.78	-1.609	378.6	101.57	0.331	150.56	25.914	30.698	25.914	0.09	25.876	4.04	17.8
20	-1.685	32.240	-1.78	-1.685	376.8	100.90	0.133	83.13	25.934	30.720	25.934	0.16	25.881	4.48	19.8
22	-1.709	32.260	-1.78	-1.709	377.0	100.90	0.055	62.43	25.951	30.738	25.951	0.14	25.886	4.92	21.8
24	-1.725	32.271	-1.78	-1.725	375.9	100.56	0.045	38.91	25.961	30.748	25.961	0.07	25.892	5.35	23.8
26	-1.725	32.284	-1.79	-1.725	374.5	100.21	0.045	33.39	25.971	30.758	25.971	0.08	25.898	5.78	25.8
28	-1.737	32.292	-1.79	-1.737	372.0	99.51	0.150	26.48	25.978	30.765	25.978	0.08	25.904	6.21	27.8
30	-1.742	32.297	-1.79	-1.742	371.3	99.30	0.053	25.38	25.982	30.769	25.982	0.06	25.909	6.64	29.7
32	-1.746	32.302	-1.79	-1.746	372.3	99.57	0.044	23.25	25.986	30.774	25.986	0.06	25.913	7.07	31.7
34	-1.747	32.307	-1.79	-1.748	371.4	99.33	0.048	31.33	25.990	30.778	25.990	0.06	25.918	7.50	33.7
36	-1.748	32.312	-1.80	-1.749	368.9	98.67	0.047	30.74	25.994	30.782	25.995	0.07	25.922	7.93	35.7
38	-1.749	32.319	-1.80	-1.750	368.6	98.58	0.047	24.57	26.000	30.787	26.000	0.07	25.926	8.35	37.7
40	-1.749	32.325	-1.80	-1.750	367.6	98.31	0.041	20.76	26.005	30.792	26.005	0.10	25.930	8.78	39.7
45	-1.732	32.346	-1.80	-1.733	370.8	99.24	0.071	19.22	26.022	30.808	26.022	0.06	25.939	9.83	44.6
50	-1.747	32.353	-1.81	-1.748	369.7	98.92	0.038	16.88	26.028	30.815	26.028	0.05	25.948	10.88	49.6
55	-1.760	32.363	-1.81	-1.761	368.2	98.48	0.034	14.76	26.036	30.823	26.036	0.05	25.955	11.93	54.5
60	-1.756	32.381	-1.82	-1.757	365.4	97.76	0.037	14.03	26.051	30.837	26.051	0.06	25.963	12.97	59.5
65	-1.751	32.397	-1.82	-1.752	363.0	97.14	0.036	14.47	26.064	30.850	26.064	0.06	25.970	14.01	64.4
70	-1.735	32.441	-1.83	-1.737	361.0	96.67	0.034	15.78	26.099	30.884	26.099	0.14	25.978	15.03	69.4
75	-1.708	32.534	-1.84	-1.710	357.0	95.75	0.034	16.88	26.174	30.958	26.174	0.13	25.988	16.02	74.3
80	-1.697	32.559	-1.84	-1.699	354.4	95.11	0.035	16.51	26.194	30.978	26.194	0.11	26.000	17.00	79.3
85	-1.676	32.657	-1.85	-1.677	351.5	94.44	0.034	17.98	26.273	31.055	26.273	0.15	26.014	17.95	84.3
90	-1.628	32.761	-1.86	-1.629	351.9	94.75	0.035	17.25	26.356	31.136	26.356	0.25	26.031	18.85	89.2
95	-1.577	32.879	-1.87	-1.579	346.8	93.60	0.034	17.76	26.451	31.228	26.451	0.15	26.051	19.72	94.2
100	-1.524	33.022	-1.88	-1.526	342.3	92.61	0.035	18.93	26.566	31.340	26.566	0.33	26.073	20.54	99.1
105	-1.461	33.158	-1.90	-1.463	340.0	92.27	0.034	20.25	26.674	31.445	26.675	0.27	26.099	21.30	104.1
110	-1.425	33.274	-1.91	-1.427	337.1	91.65	0.034	19.96	26.768	31.537	26.768	0.37	26.127	22.01	109.0
115	-1.409	33.359	-1.91	-1.412	334.7	91.09	0.035	19.44	26.837	31.604	26.837	0.24	26.157	22.68	114.0
120	-1.320	33.457	-1.92	-1.322	330.5	90.23	0.033	21.71	26.913	31.677	26.913	0.20	26.187	23.31	118.9
125	-1.252	33.559	-1.93	-1.254	330.7	90.52	0.036	23.18	26.994	31.755	26.994	0.09	26.218	23.91	123.9
150	-0.747	34.038	-1.98	-0.751	311.9	86.87	0.031	32.14	27.364	32.105	27.364	0.18	26.388	26.21	148.6
175	-0.198	34.389	-2.02	-0.204	300.6	85.19	0.031	33.90	27.623	32.346	27.623	0.14	26.545	27.92	173.3
200	0.112	34.545	-2.05	0.104	294.2	84.17	0.028	37.44	27.733	32.445	27.733	0.15	26.687	29.16	198.1
225	0.412	34.664	-2.07	0.402	290.5	83.83	0.031	39.65	27.812	32.515	27.813	0.08	26.809	30.15	222.8
250	0.495	34.696	-2.09	0.484	286.1	82.77	0.029	42.37	27.833	32.533	27.833	0.04	26.910	31.06	247.5
275	0.562	34.719	-2.11	0.550	281.9	81.71	0.030	55.97	27.848	32.546	27.848	0.05	26.995	31.92	272.2
300	0.579	34.725	-2.13	0.567	284.2	82.43	0.030	59.75	27.851	32.549	27.852	0.05	27.066	32.77	296.9
325	0.575	34.732	-2.15	0.561	282.6	81.94	0.031	63.68	27.857	32.555	27.858	0.06	27.126	33.59	321.6
350	0.535	34.741	-2.17	0.520	281.9	81.68	0.030	87.52	27.867	32.566	27.868	0.04	27.179	34.41	346.3
375	0.553	34.745	-2.19	0.537	281.9	81.70	0.030	101.23	27.869	32.568	27.870	0.04	27.225	35.20	371.0
388	0.558	34.746	-2.20	0.541	281.9	81.72	0.031	104.31	27.870	32.568	27.871	0.05	27.246	35.62	383.9

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
42	63	30 JUL 92	1639	80 1.12	-15 58.27	450		10

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
22	711	-1.536	32.309	-1.536	25.987	32.319	368.4					
23	712	-1.593	32.324	-1.593	26.001	32.327						
52	713	-1.742	32.348	-1.743	26.024	32.294	377.7					
52	714	-1.738	32.345	-1.739	26.021							

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
22	711					2104.4	2225.0				
23	712								7.300	2.039	5.70
52	713					2094.7	2222.5				
52	714								6.780	2.039	4.20

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.626	32.231	-1.76	-0.626	406.2	111.94	0.191	396.81	25.897	30.650	25.897	0.00	25.898	0.00	0.0
2	-0.541	32.204	-1.76	-0.541	407.2	112.47	0.207	401.63	25.872	30.623	25.872	-0.10	25.887	0.45	2.0
4	-0.116	32.152	-1.76	-0.116	397.7	111.03	0.222	402.26	25.813	30.552	25.813	-0.42	25.870	0.90	4.0
6	-0.078	32.144	-1.76	-0.078	413.8	115.63	0.242	434.39	25.805	30.543	25.805	0.39	25.848	1.36	5.9
8	-0.532	32.202	-1.77	-0.533	432.2	119.39	0.234	402.57	25.870	30.621	25.870	0.17	25.846	1.82	7.9
10	-0.908	32.209	-1.77	-0.909	443.4	121.24	0.339	403.98	25.889	30.651	25.889	0.16	25.851	2.27	9.9
12	-0.916	32.220	-1.77	-0.916	443.2	121.17	0.454	401.57	25.898	30.660	25.898	0.17	25.858	2.72	11.9
14	-0.906	32.213	-1.77	-0.906	436.9	119.49	0.505	404.95	25.892	30.654	25.892	0.13	25.863	3.16	13.9
16	-0.938	32.219	-1.77	-0.939	434.8	118.80	0.409	401.83	25.898	30.661	25.898	0.00	25.867	3.61	15.9
18	-1.070	32.244	-1.78	-1.070	425.0	115.73	0.792	414.01	25.922	30.689	25.922	0.11	25.872	4.05	17.8
20	-1.091	32.246	-1.78	-1.092	416.9	113.48	0.803	428.35	25.924	30.692	25.924	0.01	25.877	4.49	19.8
22	-1.098	32.252	-1.78	-1.099	411.6	112.01	0.438	401.07	25.929	30.697	25.929	-0.01	25.882	4.93	21.8
24	-1.482	32.280	-1.78	-1.482	408.2	109.95	0.377	176.86	25.963	30.742	25.963	0.17	25.886	5.37	23.8
26	-1.475	32.281	-1.79	-1.475	401.3	108.11	0.293	159.09	25.963	30.742	25.963	0.19	25.892	5.80	25.8
28	-1.592	32.277	-1.79	-1.592	394.4	105.92	0.224	206.95	25.962	30.745	25.962	0.15	25.897	6.23	27.8
30	-1.491	32.289	-1.79	-1.491	387.6	104.40	0.199	173.57	25.970	30.750	25.970	0.15	25.902	6.66	29.7
32	-1.510	32.270	-1.79	-1.511	385.3	103.69	0.320	214.38	25.955	30.735	25.955	0.16	25.906	7.09	31.7
34	-1.568	32.279	-1.79	-1.568	382.6	102.82	0.126	128.37	25.964	30.746	25.964	-0.08	25.910	7.53	33.7
36	-1.662	32.304	-1.79	-1.663	378.8	101.56	0.113	93.52	25.986	30.771	25.986	0.20	25.913	7.96	35.7
38	-1.646	32.312	-1.80	-1.646	378.5	101.51	0.237	148.95	25.992	30.776	25.992	0.05	25.917	8.38	37.7
40	-1.654	32.314	-1.80	-1.654	377.4	101.21	0.213	127.02	25.994	30.778	25.994	0.06	25.921	8.81	39.7
45	-1.707	32.325	-1.80	-1.707	376.3	100.76	0.068	45.55	26.004	30.790	26.004	0.07	25.930	9.87	44.6
50	-1.721	32.336	-1.81	-1.722	379.1	101.50	0.108	38.76	26.013	30.800	26.013	0.05	25.938	10.93	49.6
51	-1.736	32.337	-1.81	-1.737	374.7	100.26	0.054	28.98	26.014	30.801	26.014	0.07	25.939	11.14	50.6

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
42	64	30 JUL 92	1821	80 1.75	-15 59.15	450		10

NEWP 92 STA 42 CTD 64

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.851	32.264	-1.77	-0.851	378.1	103.60	0.307	430.16	25.931	30.691	25.931	0.03	25.931	0.00	0.0
2	-0.813	32.254	-1.77	-0.813	380.2	104.26	0.338	434.04	25.922	30.681	25.922	-0.29	25.928	0.44	2.0
4	-0.805	32.258	-1.77	-0.805	388.3	106.52	0.423	483.83	25.925	30.684	25.925	0.35	25.921	0.88	4.0
6	-0.630	32.232	-1.77	-0.631	391.2	107.81	0.503	471.12	25.898	30.652	25.898	0.23	25.919	1.32	5.9
8	-0.595	32.222	-1.77	-0.595	395.4	109.07	0.400	494.78	25.889	30.641	25.889	-0.23	25.913	1.77	7.9
10	-0.723	32.248	-1.77	-0.724	399.1	109.70	0.783	600.90	25.914	30.670	25.914	-0.24	25.910	2.21	9.9
12	-1.428	32.263	-1.77	-1.429	411.4	110.96	0.861	222.24	25.947	30.725	25.947	0.46	25.912	2.65	11.9
14	-1.430	32.275	-1.78	-1.430	405.1	109.26	0.418	227.41	25.957	30.735	25.957	0.01	25.919	3.09	13.9
16	-1.428	32.273	-1.78	-1.428	395.7	106.74	0.456	257.84	25.956	30.733	25.956	0.02	25.923	3.52	15.9
18	-1.417	32.282	-1.78	-1.418	387.1	104.45	0.403	269.54	25.962	30.740	25.962	0.05	25.928	3.95	17.8
20	-1.454	32.282	-1.78	-1.455	385.4	103.88	0.307	235.51	25.964	30.742	25.964	0.09	25.931	4.39	19.8
22	-1.468	32.289	-1.78	-1.468	382.8	103.14	0.273	232.54	25.969	30.748	25.969	0.05	25.935	4.82	21.8
24	-1.478	32.287	-1.78	-1.479	383.2	103.22	0.300	210.05	25.968	30.747	25.968	0.11	25.937	5.25	23.8
26	-1.519	32.293	-1.79	-1.520	381.6	102.70	0.379	189.27	25.974	30.754	25.974	0.12	25.940	5.68	25.8
28	-1.538	32.298	-1.79	-1.538	383.4	103.13	0.332	171.41	25.978	30.759	25.978	0.04	25.942	6.11	27.8
30	-1.519	32.293	-1.79	-1.520	381.8	102.75	0.298	185.08	25.974	30.755	25.974	0.04	25.945	6.54	29.7
32	-1.522	32.293	-1.79	-1.523	379.3	102.06	0.385	186.85	25.974	30.754	25.974	0.08	25.947	6.97	31.7
34	-1.584	32.292	-1.79	-1.584	381.2	102.40	0.254	97.25	25.974	30.757	25.974	0.02	25.948	7.40	33.7
36	-1.657	32.302	-1.79	-1.657	380.1	101.90	0.157	84.65	25.985	30.769	25.985	0.18	25.950	7.83	35.7
38	-1.674	32.312	-1.80	-1.675	378.8	101.53	0.152	103.51	25.993	30.778	25.993	0.08	25.952	8.25	37.7
40	-1.718	32.321	-1.80	-1.719	376.7	100.83	0.114	39.20	26.001	30.787	26.001	0.09	25.954	8.68	39.7
45	-1.722	32.335	-1.80	-1.723	372.8	99.80	0.109	37.96	26.012	30.799	26.012	0.07	25.960	9.74	44.6
50	-1.746	32.341	-1.81	-1.747	371.2	99.30	0.047	25.67	26.018	30.805	26.018	0.07	25.966	10.79	49.6
55	-1.755	32.349	-1.81	-1.756	369.2	98.76	0.044	20.39	26.025	30.812	26.025	0.06	25.971	11.85	54.5
60	-1.756	32.366	-1.82	-1.757	366.1	97.92	0.046	19.59	26.038	30.825	26.038	0.06	25.976	12.89	59.5
65	-1.749	32.384	-1.82	-1.750	362.4	96.98	0.040	19.37	26.053	30.840	26.053	0.09	25.981	13.94	64.4
70	-1.744	32.402	-1.83	-1.745	361.7	96.83	0.038	19.22	26.067	30.854	26.067	0.09	25.987	14.97	69.4
75	-1.731	32.442	-1.83	-1.732	359.1	96.19	0.039	20.03	26.099	30.885	26.099	0.12	25.993	15.99	74.3
80	-1.727	32.470	-1.84	-1.728	359.0	96.18	0.039	20.10	26.123	30.908	26.123	0.07	26.001	17.00	79.3
85	-1.709	32.523	-1.85	-1.710	355.4	95.30	0.039	20.39	26.165	30.950	26.165	0.12	26.009	17.99	84.3
90	-1.673	32.620	-1.85	-1.674	352.3	94.64	0.039	20.91	26.243	31.025	26.243	0.14	26.020	18.95	89.2
95	-1.587	32.835	-1.87	-1.588	346.8	93.53	0.040	22.89	26.416	31.193	26.416	0.72	26.035	19.86	94.2
96	-1.558	32.911	-1.88	-1.560	346.6	93.62	0.040	23.47	26.477	31.253	26.477	0.49	26.039	20.03	95.2

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
43	65	31 JUL 92	0644	80 18.86	-9 40.22	313		50

Pres dbar	BNL_ID	CTD Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	726	.928	31.742	.928	25.430		397.3	.03	0.00	.07	.71	1.66
11	725	.582	32.019	.582	25.672		404.7	.29	.01	.05	.79	2.08
25	724	-1.571	32.298	-1.571	25.979		383.3	1.78	.05	.09	.95	4.75
30	723	-1.577	32.323	-1.577	26.000		374.0	2.76	.06	.06	.98	5.89
61	722	-1.736	32.358	-1.737	26.032	32.351	364.4	4.31	.04	.01		9.26
91	721	-1.690	32.534	-1.692	26.174	32.555	356.7	5.21	.02	.04		10.20
121	720	-1.381	33.335	-1.384	26.816	33.371	329.8	8.28	.02	.01	.97	9.99
162	719	-.127	34.412	-.133	27.638	34.418	293.1	12.42	.01	0.00	.96	9.13
201	718	.303	34.666	.295	27.820	34.672	287.0	12.90	0.00	.01	.96	9.08
251	717	.418	34.812	.407	27.932	34.810	288.1	13.06	.01	0.00	.95	8.40
300	716	.441	34.852	.428	27.963	34.850	288.8	13.02	.02	.03	.95	8.24
312	715	.440	34.853	.427	27.964	34.848	291.4	12.97	.02	.03	.95	8.27

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	726	.62	.08			2009.6	2193.8				
11	725	1.82	3.99			2048.5	2210.2				
25	724	5.40	.54						7.300	1.950	1.70
30	723	3.35	.53			2101.0	2226.1		7.300	1.979	2.40
61	722	.28	.18			2107.1	2224.4		7.300	1.951	4.90
91	721	.14	.23			2117.7	2230.7		7.320	2.254	1.90
121	720	.15	.16			2138.1	2252.5		5.910	1.914	10.00
162	719					2140.0	2269.0		1.600	2.066	9.20
201	718								2.080	1.950	6.20
251	717					2148.2			2.000	2.005	9.10
300	716					2147.4	2290.4		1.810	1.915	11.70
312	715								1.230	1.929	11.60

NEWP 92 STA 43 CTD 65

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.709	31.695	-1.73	0.709	371.8	105.73	0.051	215.86	25.404	30.124	25.404	0.04	25.404	0.00	0.0
2	0.709	31.691	-1.74	0.709	373.6	106.25	0.054	218.35	25.401	30.121	25.401	0.02	25.403	0.54	2.0
4	0.710	31.682	-1.74	0.710	374.1	106.39	0.062	216.09	25.394	30.113	25.394	-0.04	25.401	1.08	4.0
6	0.712	31.673	-1.74	0.712	381.7	108.55	0.063	213.30	25.386	30.106	25.386	0.10	25.397	1.63	6.0
8	0.706	31.820	-1.75	0.706	383.0	109.01	0.083	230.98	25.505	30.223	25.505	0.57	25.404	2.16	7.9
10	0.602	31.944	-1.75	0.601	385.5	109.54	0.075	281.27	25.611	30.331	25.611	0.33	25.436	2.67	9.9
12	0.238	32.051	-1.76	0.238	393.7	110.89	0.115	365.76	25.715	30.445	25.715	0.48	25.474	3.16	11.9
14	0.097	32.107	-1.77	0.096	398.3	111.80	0.124	415.08	25.767	30.501	25.767	0.23	25.513	3.64	13.9
16	-0.639	32.178	-1.77	-0.639	412.2	113.52	0.255	495.24	25.854	30.609	25.854	0.79	25.550	4.10	15.9
18	-1.273	32.256	-1.78	-1.273	420.7	113.93	0.815	653.02	25.937	30.711	25.937	0.59	25.588	4.55	17.9
20	-1.514	32.269	-1.78	-1.515	424.4	114.20	1.154	542.69	25.954	30.735	25.954	0.36	25.624	4.98	19.8
22	-1.554	32.289	-1.78	-1.554	422.7	113.64	1.147	473.91	25.972	30.753	25.972	0.04	25.655	5.41	21.8
24	-1.549	32.296	-1.79	-1.550	415.0	111.58	1.248	512.14	25.977	30.759	25.978	0.06	25.682	5.84	23.8
26	-1.521	32.308	-1.79	-1.521	406.2	109.33	0.944	365.11	25.986	30.766	25.986	-0.07	25.705	6.27	25.8
28	-1.613	32.306	-1.79	-1.613	402.0	107.92	0.412	208.58	25.987	30.770	25.987	0.09	25.725	6.70	27.8
30	-1.617	32.315	-1.79	-1.618	394.0	105.77	0.213	122.56	25.994	30.777	25.994	0.18	25.743	7.13	29.7
32	-1.526	32.326	-1.79	-1.526	387.5	104.29	0.356	195.03	26.000	30.781	26.000	0.04	25.759	7.55	31.7
34	-1.585	32.323	-1.79	-1.585	383.1	102.93	0.416	199.68	26.000	30.782	26.000	0.07	25.773	7.98	33.7
36	-1.625	32.331	-1.80	-1.626	381.3	102.34	0.354	154.35	26.007	30.791	26.007	0.05	25.786	8.40	35.7
38	-1.629	32.332	-1.80	-1.630	378.9	101.69	0.291	159.47	26.008	30.792	26.008	0.05	25.798	8.82	37.7
40	-1.629	32.336	-1.80	-1.630	374.6	100.53	0.236	151.00	26.012	30.795	26.012	0.08	25.808	9.25	39.7
45	-1.691	32.341	-1.80	-1.691	368.4	98.72	0.066	54.64	26.017	30.802	26.017	0.06	25.831	10.30	44.6
50	-1.708	32.346	-1.81	-1.709	369.4	98.94	0.053	47.10	26.021	30.807	26.021	0.05	25.850	11.36	49.6
55	-1.728	32.352	-1.81	-1.729	366.6	98.13	0.047	50.42	26.027	30.813	26.027	0.06	25.866	12.41	54.5
60	-1.729	32.359	-1.82	-1.730	361.0	96.65	0.051	47.61	26.032	30.819	26.032	0.06	25.879	13.46	59.5
65	-1.719	32.367	-1.82	-1.720	361.0	96.66	0.078	46.80	26.038	30.824	26.038	0.05	25.891	14.50	64.4
70	-1.723	32.380	-1.83	-1.724	358.7	96.06	0.054	44.59	26.049	30.835	26.049	0.08	25.902	15.54	69.4
75	-1.730	32.409	-1.83	-1.732	354.7	95.00	0.043	37.81	26.073	30.858	26.073	0.14	25.913	16.58	74.4
80	-1.719	32.445	-1.84	-1.720	355.0	95.13	0.039	40.46	26.102	30.887	26.102	0.06	25.924	17.59	79.3
85	-1.713	32.474	-1.84	-1.715	354.1	94.92	0.043	42.30	26.125	30.910	26.125	0.10	25.935	18.60	84.3
90	-1.688	32.541	-1.85	-1.690	351.7	94.39	0.047	35.15	26.179	30.962	26.179	0.16	25.947	19.59	89.2
95	-1.683	32.579	-1.86	-1.685	350.1	93.99	0.049	43.56	26.210	30.993	26.210	0.10	25.960	20.56	94.2
100	-1.645	32.678	-1.87	-1.647	348.0	93.59	0.102	34.64	26.290	31.071	26.290	0.15	25.975	21.50	99.1
105	-1.625	32.773	-1.87	-1.627	346.6	93.35	0.052	41.34	26.366	31.145	26.366	0.27	25.991	22.40	104.1
110	-1.543	33.029	-1.89	-1.545	343.4	92.87	0.100	41.20	26.572	31.347	26.572	0.33	26.013	23.23	109.0
115	-1.465	33.194	-1.91	-1.467	338.0	91.73	0.045	47.69	26.704	31.475	26.704	0.36	26.040	23.98	114.0
120	-1.385	33.334	-1.92	-1.388	334.8	91.16	0.041	49.17	26.815	31.582	26.815	0.23	26.070	24.67	118.9
125	-1.301	33.495	-1.93	-1.304	329.9	90.15	0.038	41.64	26.944	31.707	26.944	0.28	26.102	25.31	123.9
150	-0.466	34.273	-1.99	-0.471	299.9	84.30	0.038	22.45	27.542	32.274	27.542	0.28	26.289	27.63	148.6
175	0.099	34.548	-2.03	0.092	291.7	83.42	0.033	29.05	27.736	32.449	27.736	0.10	26.486	28.92	173.4
200	0.326	34.678	-2.05	0.318	288.0	82.95	0.032	35.38	27.828	32.534	27.829	0.10	26.647	29.92	198.1
225	0.393	34.741	-2.08	0.384	287.5	82.99	0.032	41.19	27.875	32.578	27.875	0.06	26.781	30.76	222.8
250	0.416	34.810	-2.10	0.406	284.5	82.22	0.033	47.17	27.929	32.631	27.930	0.07	26.892	31.48	247.5
275	0.438	34.847	-2.12	0.427	287.0	83.01	0.035	53.08	27.958	32.659	27.959	0.04	26.988	32.09	272.2
300	0.439	34.854	-2.14	0.426	285.3	82.51	0.032	97.18	27.963	32.664	27.964	0.05	27.069	32.66	296.9
313	0.440	34.854	-2.15	0.427	284.1	82.16	0.038	105.06	27.963	32.664	27.964	0.04	27.107	32.95	309.8

NEWP 92 STA 43 CTD 66

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.269	31.315	-1.71	1.269	368.5	106.04	0.035	128.44	25.067	29.774	25.067	0.04	25.067	0.00	0.0
2	1.267	31.318	-1.71	1.267	368.5	106.03	0.038	128.59	25.070	29.777	25.070	0.10	25.067	0.61	2.0
4	1.254	31.314	-1.72	1.254	368.7	106.05	0.034	125.87	25.067	29.775	25.067	0.05	25.067	1.21	4.0
6	1.258	31.310	-1.72	1.257	368.5	106.02	0.037	126.25	25.064	29.771	25.064	-0.11	25.068	1.82	6.0
8	1.241	31.282	-1.72	1.241	370.8	106.60	0.035	124.51	25.043	29.751	25.043	-0.24	25.066	2.43	7.9
10	1.193	31.286	-1.72	1.193	372.2	106.87	0.033	127.54	25.049	29.758	25.049	0.63	25.059	3.04	9.9
12	1.423	31.494	-1.73	1.423	369.8	107.00	0.036	156.95	25.202	29.903	25.202	0.33	25.073	3.63	11.9
14	1.632	31.677	-1.74	1.631	369.0	107.47	0.046	187.93	25.335	30.029	25.335	0.37	25.102	4.20	13.9
16	1.539	31.763	-1.75	1.538	372.0	108.17	0.055	227.93	25.410	30.106	25.410	0.56	25.134	4.75	15.9
18	1.750	31.922	-1.76	1.749	370.7	108.50	0.065	256.00	25.524	30.212	25.524	1.60	25.169	5.28	17.9
20	1.777	32.165	-1.77	1.776	373.5	109.61	0.091	399.42	25.716	30.402	25.716	0.68	25.217	5.77	19.8
22	1.144	32.280	-1.78	1.143	392.1	113.30	0.172	461.09	25.850	30.552	25.850	0.39	25.270	6.24	21.8
24	0.561	32.276	-1.78	0.560	415.4	118.21	0.321	527.98	25.880	30.599	25.880	-0.29	25.320	6.68	23.8
26	-0.608	32.272	-1.79	-0.608	437.5	120.66	0.542	583.49	25.929	30.682	25.929	0.38	25.364	7.13	25.8
28	-0.783	32.286	-1.79	-0.783	436.8	119.93	0.512	475.44	25.947	30.705	25.947	0.10	25.405	7.57	27.8
30	-0.975	32.292	-1.79	-0.975	436.0	119.08	0.475	512.40	25.958	30.721	25.958	0.23	25.441	8.00	29.8
32	-0.944	32.314	-1.79	-0.944	430.3	117.65	0.726	459.91	25.975	30.738	25.975	0.12	25.474	8.43	31.7
34	-0.951	32.319	-1.79	-0.952	424.6	116.08	0.617	405.93	25.979	30.742	25.979	0.06	25.504	8.86	33.7
36	-1.182	32.313	-1.80	-1.183	421.0	114.35	0.634	424.60	25.982	30.751	25.982	0.15	25.530	9.29	35.7
38	-1.462	32.305	-1.80	-1.462	418.1	112.70	1.020	487.82	25.982	30.761	25.982	0.23	25.554	9.72	37.7
40	-1.447	32.321	-1.80	-1.448	407.3	109.84	0.783	410.30	25.995	30.773	25.995	0.00	25.576	10.15	39.7
45	-1.592	32.326	-1.80	-1.593	392.6	105.47	0.471	332.83	26.002	30.785	26.002	0.09	25.623	11.21	44.6
50	-1.677	32.339	-1.81	-1.678	379.8	101.80	0.482	305.74	26.015	30.799	26.015	0.07	25.662	12.27	49.6
55	-1.695	32.348	-1.81	-1.696	372.3	99.74	0.756	202.76	26.022	30.808	26.022	0.06	25.694	13.32	54.5
60	-1.715	32.355	-1.82	-1.716	368.8	98.76	0.163	149.42	26.029	30.815	26.029	0.09	25.722	14.37	59.5
65	-1.721	32.366	-1.82	-1.722	365.3	97.81	0.200	124.44	26.037	30.823	26.037	0.07	25.746	15.42	64.5
70	-1.729	32.374	-1.83	-1.730	364.8	97.67	0.129	93.89	26.045	30.831	26.045	0.06	25.767	16.46	69.4
75	-1.731	32.384	-1.83	-1.733	360.8	96.59	0.073	71.57	26.053	30.839	26.053	0.07	25.785	17.50	74.4
80	-1.733	32.415	-1.84	-1.734	359.6	96.30	0.095	64.65	26.078	30.864	26.078	0.09	25.803	18.53	79.3
85	-1.719	32.441	-1.84	-1.721	357.7	95.85	0.098	60.87	26.099	30.884	26.099	0.06	25.820	19.55	84.3
90	-1.702	32.465	-1.85	-1.703	355.4	95.30	0.064	57.83	26.118	30.903	26.118	0.17	25.836	20.56	89.2
95	-1.683	32.529	-1.85	-1.685	352.9	94.70	0.090	56.73	26.169	30.953	26.169	0.11	25.852	21.55	94.2
100	-1.661	32.613	-1.86	-1.662	352.6	94.75	0.036	50.28	26.237	31.019	26.237	0.26	25.869	22.51	99.1
105	-1.622	32.711	-1.87	-1.624	348.1	93.72	0.054	48.07	26.316	31.096	26.316	0.06	25.889	23.44	104.1
110	-1.593	32.813	-1.88	-1.595	346.0	93.29	0.033	39.51	26.398	31.176	26.398	0.31	25.910	24.33	109.0
115	-1.541	32.973	-1.89	-1.543	342.3	92.55	0.037	52.58	26.526	31.301	26.526	0.58	25.933	25.17	114.0
120	-1.452	33.208	-1.91	-1.455	338.4	91.87	0.045	45.99	26.715	31.486	26.715	0.20	25.962	25.92	118.9
125	-1.354	33.370	-1.92	-1.357	333.9	91.02	0.034	49.17	26.844	31.609	26.844	0.28	25.995	26.61	123.9
150	-0.480	34.247	-1.99	-0.484	299.6	84.19	0.037	20.61	27.521	32.254	27.522	0.43	26.196	28.99	148.6
175	0.137	34.563	-2.03	0.130	290.5	83.16	0.029	28.24	27.746	32.458	27.746	0.08	26.406	30.26	173.4
200	0.310	34.675	-2.05	0.302	288.9	83.16	0.029	28.98	27.827	32.533	27.827	0.07	26.579	31.24	198.1
225	0.408	34.741	-2.08	0.399	286.5	82.72	0.027	42.37	27.875	32.577	27.875	0.05	26.720	32.08	222.8
250	0.419	34.816	-2.10	0.409	287.0	82.93	0.028	41.78	27.934	32.636	27.934	0.04	26.839	32.78	247.5
275	0.434	34.848	-2.12	0.422	286.7	82.91	0.028	73.05	27.959	32.660	27.960	0.05	26.939	33.38	272.2
300	0.438	34.854	-2.14	0.426	287.4	83.11	0.030	76.10	27.964	32.665	27.964	0.05	27.024	33.96	296.9
312	0.438	34.854	-2.15	0.425	285.3	82.52	0.028	97.68	27.964	32.665	27.965	0.04	27.061	34.23	308.8

NEWP 92 STA 43 CTD 67

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.720	31.616	-1.73	0.720	381.2	108.38	0.066	208.10	25.340	30.060	25.340	0.05	25.340	0.00	0.0
2	0.764	31.593	-1.73	0.764	380.2	108.20	0.065	212.06	25.319	30.038	25.319	-0.38	25.339	0.55	2.0
4	0.858	31.534	-1.73	0.858	379.8	108.30	0.065	209.03	25.267	29.983	25.267	-0.07	25.315	1.12	4.0
6	0.622	31.636	-1.74	0.622	382.5	108.49	0.065	238.79	25.362	30.084	25.362	0.70	25.308	1.68	6.0
8	0.311	31.771	-1.74	0.311	387.0	108.99	0.100	292.92	25.486	30.216	25.486	0.57	25.337	2.22	7.9
10	0.315	31.836	-1.75	0.315	389.0	109.60	0.090	284.98	25.538	30.267	25.538	-0.80	25.374	2.73	9.9
12	0.064	31.818	-1.75	0.063	396.6	110.97	0.107	299.47	25.535	30.272	25.535	1.90	25.390	3.26	11.9
14	-0.758	32.012	-1.76	-0.758	407.9	111.83	0.137	303.68	25.724	30.484	25.724	0.38	25.432	3.75	13.9
16	-0.316	32.164	-1.77	-0.316	398.3	110.64	0.240	380.28	25.831	30.576	25.831	0.13	25.477	4.21	15.9
18	-0.652	32.127	-1.77	-0.653	403.0	110.89	0.205	378.48	25.813	30.569	25.813	0.77	25.514	4.67	17.9
20	-1.095	32.198	-1.78	-1.096	411.5	111.93	0.150	214.30	25.885	30.653	25.885	0.94	25.548	5.13	19.8
22	-0.210	32.275	-1.78	-0.210	397.7	110.88	0.304	446.12	25.916	30.657	25.916	0.00	25.583	5.57	21.8
24	-0.143	32.281	-1.78	-0.143	397.3	110.97	0.252	412.93	25.918	30.657	25.918	-0.02	25.611	6.01	23.8
26	-0.173	32.310	-1.79	-0.174	404.5	112.92	0.322	420.97	25.943	30.682	25.943	0.05	25.635	6.45	25.8
28	-0.586	32.287	-1.79	-0.587	415.9	114.80	0.282	486.75	25.941	30.693	25.941	0.35	25.656	6.89	27.8
30	-0.933	32.281	-1.79	-0.934	423.0	115.65	0.369	565.62	25.947	30.710	25.947	0.18	25.675	7.32	29.8
32	-0.873	32.352	-1.79	-0.874	423.5	116.04	1.102	657.27	26.004	30.764	26.004	0.03	25.694	7.75	31.7
34	-1.257	32.273	-1.79	-1.257	429.7	116.46	1.232	719.35	25.951	30.723	25.951	0.04	25.711	8.18	33.7
36	-1.420	32.314	-1.80	-1.421	422.1	113.91	0.761	430.60	25.989	30.766	25.989	-0.04	25.726	8.61	35.7
38	-1.630	32.316	-1.80	-1.631	417.3	111.97	0.416	200.00	25.995	30.779	25.995	0.14	25.739	9.04	37.7
40	-1.642	32.328	-1.80	-1.643	408.2	109.50	0.324	167.89	26.005	30.789	26.005	0.09	25.753	9.46	39.7
45	-1.658	32.342	-1.80	-1.658	389.8	104.54	0.256	131.47	26.017	30.801	26.017	0.05	25.781	10.52	44.6
50	-1.674	32.345	-1.81	-1.675	380.8	102.08	0.141	132.91	26.020	30.805	26.020	0.05	25.805	11.57	49.6
55	-1.691	32.347	-1.81	-1.692	376.7	100.94	0.391	122.32	26.022	30.807	26.022	0.05	25.824	12.63	54.5
60	-1.716	32.350	-1.82	-1.717	370.7	99.26	0.239	99.96	26.024	30.810	26.024	0.05	25.841	13.68	59.5
65	-1.726	32.355	-1.82	-1.727	367.5	98.37	0.096	94.86	26.029	30.815	26.029	0.05	25.855	14.73	64.4
70	-1.731	32.358	-1.82	-1.732	365.1	97.72	0.060	82.82	26.031	30.818	26.031	0.06	25.868	15.78	69.4
75	-1.743	32.367	-1.83	-1.744	361.5	96.73	0.190	70.75	26.039	30.825	26.039	0.07	25.879	16.82	74.4
80	-1.737	32.381	-1.83	-1.738	361.8	96.84	0.074	71.04	26.050	30.836	26.050	0.04	25.889	17.86	79.3
85	-1.727	32.401	-1.84	-1.728	360.8	96.62	0.042	60.64	26.066	30.852	26.066	0.09	25.899	18.90	84.3
90	-1.706	32.467	-1.85	-1.707	357.9	95.94	0.058	59.46	26.119	30.904	26.119	0.21	25.910	19.91	89.2
95	-1.672	32.574	-1.86	-1.673	355.3	95.42	0.048	47.32	26.206	30.988	26.206	0.26	25.923	20.89	94.2
100	-1.634	32.671	-1.86	-1.636	351.7	94.62	0.046	36.26	26.283	31.064	26.283	0.12	25.940	21.83	99.1
105	-1.607	32.779	-1.87	-1.609	347.8	93.72	0.039	33.17	26.371	31.149	26.371	0.22	25.958	22.74	104.1
110	-1.577	32.883	-1.88	-1.579	347.5	93.79	0.041	44.30	26.454	31.231	26.454	0.24	25.979	23.59	109.0
115	-1.516	33.064	-1.90	-1.518	343.6	93.01	0.306	41.19	26.600	31.374	26.600	0.26	26.002	24.40	114.0
120	-1.480	33.136	-1.91	-1.482	337.1	91.42	0.043	44.00	26.657	31.429	26.657	0.43	26.028	25.16	118.9
125	-1.301	33.472	-1.93	-1.304	333.6	91.14	0.043	47.54	26.925	31.688	26.925	0.63	26.059	25.83	123.9
150	-0.333	34.338	-2.00	-0.338	294.1	83.01	0.034	24.94	27.589	32.316	27.589	0.13	26.269	27.93	148.6
175	0.064	34.532	-2.03	0.057	289.8	82.78	0.039	31.33	27.725	32.439	27.726	0.15	26.468	29.22	173.4
200	0.173	34.653	-2.05	0.166	289.0	82.89	0.032	27.29	27.816	32.526	27.817	0.07	26.631	30.24	198.1
225	0.376	34.750	-2.08	0.367	286.6	82.70	0.032	34.27	27.884	32.587	27.884	0.08	26.767	31.06	222.8
250	0.453	34.834	-2.10	0.443	289.1	83.64	0.031	37.07	27.947	32.647	27.947	0.08	26.881	31.75	247.5
275	0.448	34.848	-2.12	0.437	289.4	83.71	0.030	35.60	27.958	32.659	27.959	0.05	26.979	32.34	272.2
300	0.445	34.853	-2.14	0.432	288.7	83.51	0.028	75.13	27.963	32.663	27.963	0.05	27.060	32.91	296.9
308	0.445	34.853	-2.15	0.432	287.5	83.16	0.030	96.55	27.963	32.664	27.964	0.05	27.084	33.10	304.8

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
43	68	31 JUL 92	2128	80 18.36	-9 31.71	309		35

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
35	751	-1.560	32.340	-1.560	26.013			.68	0.00	0.00	.93	2.78

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
35	751			26.5	3.9						

NEWP 92 STA 43 CTD 68

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.128	31.296	-1.71	0.128	374.5	104.56	0.072	183.69	25.111	29.851	25.111	0.06	25.111	0.00	0.0
2	0.137	31.323	-1.71	0.137	375.7	104.96	0.084	193.71	25.133	29.872	25.133	0.12	25.120	0.60	2.0
4	0.284	31.444	-1.72	0.284	377.3	105.89	0.157	213.22	25.223	29.957	25.223	1.37	25.131	1.19	4.0
6	0.116	31.404	-1.72	0.115	382.4	106.84	0.126	224.50	25.199	29.938	25.199	0.13	25.162	1.76	6.0
8	0.057	31.450	-1.73	0.057	386.8	107.92	0.122	256.36	25.239	29.979	25.239	0.34	25.175	2.34	7.9
10	-0.026	31.524	-1.73	-0.026	391.7	109.12	0.141	297.28	25.302	30.044	25.302	0.23	25.196	2.91	9.9
12	-0.598	31.816	-1.75	-0.598	399.9	109.95	0.158	421.10	25.560	30.317	25.560	0.51	25.234	3.44	11.9
14	-0.346	31.954	-1.76	-0.347	397.3	110.10	0.248	402.04	25.663	30.410	25.663	0.45	25.286	3.95	13.9
16	-0.394	31.996	-1.76	-0.394	401.4	111.11	0.205	401.50	25.698	30.447	25.698	0.42	25.335	4.43	15.9
18	0.140	32.189	-1.77	0.139	396.6	111.52	0.213	418.64	25.831	30.563	25.831	-0.04	25.385	4.90	17.9
20	0.084	32.217	-1.78	0.083	405.8	113.97	0.201	401.73	25.856	30.589	25.856	0.11	25.431	5.36	19.8
22	0.019	32.223	-1.78	0.018	415.7	116.55	0.209	419.33	25.864	30.599	25.864	0.06	25.470	5.81	21.8
24	-0.487	32.234	-1.78	-0.488	427.8	118.33	0.491	476.72	25.894	30.643	25.894	0.67	25.503	6.26	23.8
26	-0.715	32.046	-1.77	-0.716	431.0	118.32	0.469	457.02	25.750	30.508	25.750	-0.07	25.531	6.71	25.8
28	-1.245	32.212	-1.78	-1.246	438.2	118.72	0.389	446.32	25.901	30.674	25.901	0.04	25.554	7.16	27.8
30	-1.463	32.258	-1.79	-1.464	435.2	117.27	1.084	609.88	25.944	30.723	25.944	0.38	25.578	7.60	29.8
32	-1.322	32.354	-1.79	-1.322	425.6	115.20	1.080	473.68	26.018	30.792	26.018	-0.85	25.606	8.02	31.7
34	-1.325	32.322	-1.79	-1.325	413.8	111.98	0.918	494.78	25.993	30.767	25.993	0.12	25.628	8.45	33.7
36	-1.384	32.304	-1.79	-1.384	411.7	111.22	0.889	493.14	25.980	30.756	25.980	-0.04	25.648	8.88	35.7
38	-1.495	32.317	-1.80	-1.496	414.6	111.68	1.132	409.00	25.993	30.772	25.993	0.14	25.666	9.31	37.7
40	-1.533	32.330	-1.80	-1.534	408.9	110.01	0.605	346.32	26.004	30.785	26.004	-0.04	25.683	9.73	39.7
45	-1.635	32.340	-1.80	-1.636	390.5	104.80	0.720	306.21	26.015	30.798	26.015	0.07	25.719	10.79	44.6
50	-1.695	32.343	-1.81	-1.696	382.0	102.35	0.185	167.15	26.018	30.803	26.018	0.09	25.749	11.85	49.6
55	-1.706	32.349	-1.81	-1.707	373.5	100.05	0.217	113.68	26.024	30.809	26.024	0.04	25.774	12.90	54.5
60	-1.715	32.352	-1.82	-1.716	366.3	98.08	0.075	67.40	26.026	30.812	26.026	0.04	25.794	13.95	59.5
65	-1.717	32.354	-1.82	-1.718	367.5	98.40	0.073	60.12	26.028	30.814	26.028	0.00	25.812	15.00	64.4
70	-1.729	32.357	-1.82	-1.731	366.9	98.22	0.058	49.03	26.031	30.817	26.031	0.04	25.828	16.05	69.4
75	-1.743	32.361	-1.83	-1.744	368.1	98.51	0.054	40.32	26.034	30.821	26.034	0.04	25.841	17.09	74.4
80	-1.751	32.370	-1.83	-1.752	366.4	98.02	0.038	34.64	26.041	30.828	26.041	0.07	25.854	18.14	79.3
85	-1.746	32.397	-1.84	-1.747	363.6	97.31	0.161	30.16	26.063	30.850	26.063	0.06	25.865	19.18	84.3
90	-1.733	32.429	-1.84	-1.734	361.4	96.79	0.055	38.47	26.090	30.875	26.090	0.13	25.877	20.20	89.2
95	-1.647	32.563	-1.86	-1.648	358.4	96.32	0.043	47.41	26.196	30.978	26.196	1.04	25.889	21.21	94.2
100	-1.431	32.699	-1.87	-1.433	353.0	95.52	0.064	72.75	26.301	31.075	26.301	0.01	25.908	22.14	99.1
105	-1.430	32.811	-1.88	-1.432	349.0	94.52	0.050	67.40	26.392	31.165	26.392	-0.03	25.930	23.02	104.1
110	-1.414	32.875	-1.88	-1.416	345.4	93.64	0.062	62.94	26.444	31.215	26.444	0.15	25.952	23.88	109.0
115	-1.465	33.108	-1.90	-1.467	342.6	92.90	0.046	55.01	26.634	31.405	26.634	0.51	25.976	24.69	114.0
120	-1.431	33.203	-1.91	-1.434	338.5	91.96	0.124	52.86	26.711	31.480	26.711	0.84	26.005	25.43	118.9
125	-1.229	33.582	-1.93	-1.232	333.4	91.33	0.038	48.14	27.012	31.772	27.012	0.17	26.041	26.04	123.9
150	-0.228	34.361	-2.00	-0.233	298.7	84.58	0.031	32.80	27.602	32.326	27.602	0.13	26.261	28.05	148.6
175	-0.074	34.551	-2.03	-0.081	294.2	83.76	0.033	21.49	27.748	32.466	27.748	0.03	26.463	29.30	173.4
200	0.290	34.669	-2.05	0.282	289.3	83.24	0.033	31.33	27.823	32.530	27.824	0.05	26.629	30.28	198.1
225	0.388	34.756	-2.08	0.379	287.2	82.89	0.032	38.47	27.888	32.591	27.888	0.10	26.765	31.10	222.8
250	0.432	34.830	-2.10	0.421	288.6	83.45	0.032	47.02	27.945	32.646	27.946	0.05	26.880	31.77	247.5
275	0.445	34.847	-2.12	0.434	291.1	84.20	0.031	65.91	27.957	32.658	27.958	0.04	26.978	32.37	272.2
300	0.447	34.851	-2.14	0.434	286.1	82.77	0.030	73.42	27.961	32.662	27.962	0.05	27.059	32.94	296.9
309	0.447	34.852	-2.15	0.434	286.4	82.86	0.031	79.11	27.962	32.662	27.963	0.04	27.086	33.15	305.8

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.207	30.671	-1.68	0.207	339.1	94.43	0.059	66.80	24.604	29.347	24.604	0.14	24.603	0.00	0.0
2	0.188	30.804	-1.68	0.188	341.3	95.08	0.052	88.13	24.712	29.454	24.712	1.17	24.642	0.69	2.0
4	0.157	31.078	-1.70	0.157	348.6	97.25	0.079	123.68	24.934	29.675	24.934	2.06	24.732	1.34	4.0
6	0.097	31.275	-1.71	0.097	357.5	99.74	0.102	197.37	25.096	29.837	25.096	1.02	24.833	1.96	6.0
8	-0.086	31.543	-1.73	-0.086	367.7	102.27	0.084	279.64	25.320	30.063	25.320	0.55	24.933	2.53	7.9
10	-0.107	31.631	-1.74	-0.107	377.7	105.08	0.113	299.30	25.392	30.135	25.392	0.71	25.015	3.08	9.9
12	-0.318	31.781	-1.75	-0.319	387.2	107.24	0.151	359.34	25.521	30.270	25.521	0.39	25.091	3.61	11.9
14	-0.500	31.877	-1.75	-0.501	395.7	109.12	0.165	399.81	25.606	30.359	25.606	0.37	25.158	4.12	13.9
16	-0.713	31.911	-1.76	-0.714	402.7	110.45	0.192	388.08	25.641	30.400	25.641	0.08	25.217	4.62	15.9
18	-1.191	31.990	-1.76	-1.191	412.0	111.62	0.332	386.47	25.720	30.493	25.720	0.23	25.268	5.11	17.9
20	-1.368	32.039	-1.77	-1.369	412.5	111.26	0.157	132.39	25.764	30.542	25.764	0.30	25.315	5.58	19.8
22	-1.413	32.080	-1.77	-1.413	405.8	109.35	0.084	106.56	25.798	30.577	25.798	0.13	25.358	6.05	21.8
24	-1.414	32.085	-1.77	-1.415	398.5	107.37	0.156	101.98	25.802	30.581	25.802	0.06	25.395	6.51	23.8
26	-1.414	32.092	-1.78	-1.414	393.2	105.96	0.140	106.04	25.808	30.587	25.808	0.11	25.426	6.97	25.8
28	-1.418	32.124	-1.78	-1.418	389.5	104.98	0.094	98.08	25.834	30.613	25.834	0.15	25.455	7.43	27.8
30	-1.404	32.156	-1.78	-1.404	386.1	104.13	0.099	111.61	25.860	30.638	25.860	0.21	25.481	7.89	29.8
32	-1.387	32.178	-1.78	-1.388	384.7	103.82	0.118	150.00	25.877	30.654	25.877	0.25	25.505	8.34	31.7
34	-1.350	32.219	-1.79	-1.351	384.2	103.81	0.534	421.58	25.910	30.686	25.910	0.12	25.528	8.78	33.7
36	-1.365	32.229	-1.79	-1.366	387.6	104.69	0.679	386.35	25.918	30.694	25.918	0.14	25.549	9.22	35.7
38	-1.389	32.245	-1.79	-1.390	390.4	105.41	0.481	299.04	25.932	30.708	25.932	0.10	25.569	9.66	37.7
40	-1.399	32.251	-1.79	-1.400	390.8	105.49	0.471	274.12	25.937	30.714	25.937	0.08	25.588	10.10	39.7
45	-1.443	32.277	-1.80	-1.444	386.2	104.13	0.461	251.53	25.959	30.737	25.959	0.09	25.628	11.19	44.6
50	-1.506	32.307	-1.81	-1.507	381.2	102.64	0.114	83.11	25.985	30.765	25.985	0.18	25.662	12.27	49.6
55	-1.385	32.314	-1.81	-1.386	372.6	100.67	0.157	204.36	25.987	30.763	25.987	-0.14	25.692	13.33	54.5
60	-1.513	32.363	-1.82	-1.514	372.6	100.33	0.147	138.47	26.030	30.810	26.030	0.14	25.719	14.39	59.5
65	-1.550	32.411	-1.82	-1.551	369.9	99.55	0.075	86.10	26.071	30.851	26.071	0.14	25.744	15.43	64.5
70	-1.510	32.472	-1.83	-1.511	366.2	98.70	0.069	85.50	26.119	30.898	26.119	0.11	25.769	16.44	69.4
75	-1.473	32.574	-1.84	-1.475	363.2	98.07	0.069	74.91	26.201	30.978	26.201	0.13	25.795	17.43	74.4
80	-1.399	32.655	-1.85	-1.400	358.9	97.16	0.101	77.67	26.265	31.038	26.265	0.11	25.822	18.38	79.3
85	-1.408	32.742	-1.86	-1.410	355.2	96.22	0.070	72.68	26.336	31.109	26.336	0.11	25.851	19.29	84.3
90	-1.583	32.790	-1.86	-1.584	353.4	95.31	0.048	45.40	26.379	31.157	26.379	0.27	25.878	20.18	89.2
95	-1.527	33.019	-1.88	-1.529	350.1	94.73	0.075	42.45	26.564	31.338	26.564	0.26	25.910	21.01	94.2
100	-1.438	33.193	-1.89	-1.440	345.9	93.94	0.080	45.47	26.703	31.473	26.703	0.62	25.946	21.76	99.1
105	-1.128	33.522	-1.92	-1.131	337.8	92.74	0.043	45.11	26.960	31.718	26.960	0.32	25.988	22.41	104.1
110	-1.039	33.723	-1.93	-1.042	328.4	90.54	0.038	27.44	27.119	31.873	27.119	0.36	26.037	22.96	109.0
115	-0.793	33.904	-1.95	-0.796	317.8	88.32	0.036	22.01	27.257	32.002	27.257	0.12	26.088	23.43	114.0
120	-0.668	34.009	-1.96	-0.672	310.8	86.74	0.037	20.47	27.337	32.077	27.337	0.20	26.139	23.86	118.9
125	-0.578	34.103	-1.97	-0.582	307.1	85.96	0.034	22.01	27.409	32.146	27.410	0.23	26.188	24.26	123.9
150	-0.061	34.456	-2.00	-0.066	297.7	84.73	0.031	25.90	27.670	32.388	27.670	0.08	26.416	25.80	148.6
175	0.223	34.609	-2.03	0.216	293.3	84.21	0.031	30.30	27.778	32.487	27.779	0.07	26.603	26.94	173.3
200	0.404	34.711	-2.06	0.396	290.5	83.85	0.032	38.84	27.850	32.553	27.851	0.08	26.753	27.87	198.1
225	0.441	34.779	-2.08	0.432	290.5	83.99	0.031	34.34	27.903	32.604	27.903	0.07	26.878	28.65	222.8
250	0.432	34.841	-2.10	0.421	292.2	84.49	0.031	61.98	27.953	32.654	27.954	0.05	26.983	29.29	247.5
275	0.446	34.848	-2.12	0.435	292.8	84.71	0.031	63.01	27.959	32.659	27.959	0.05	27.072	29.87	272.2
300	0.446	34.849	-2.14	0.434	288.0	83.32	0.031	74.09	27.959	32.660	27.960	0.05	27.146	30.45	296.9
305	0.447	34.850	-2.14	0.434	288.2	83.38	0.030	84.21	27.960	32.661	27.961	0.06	27.159	30.57	301.9

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
43	70	01 AUG 92	0616	80 18.74	-9 39.40	312		20

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2	NO3	NO2	NH4	PO4	SiO4
36	760	.438	34.862	.425	27.971							1.07

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
36	760			11.1					

NEWP 92 STA 43 CTD 70															
Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.684	30.082	-1.64	-0.684	375.7	101.68	0.098	124.36	24.161	28.935	24.161	0.22	24.158	0.00	0.0
2	-0.357	30.354	-1.66	-0.357	369.7	101.15	0.106	163.71	24.370	29.132	24.370	2.67	24.227	0.77	2.0
4	0.734	31.347	-1.72	0.734	349.0	99.06	0.105	264.08	25.123	29.845	25.123	2.06	24.505	1.43	4.0
6	1.205	31.730	-1.74	1.204	352.7	101.64	0.124	327.36	25.405	30.110	25.405	0.18	24.757	2.00	6.0
8	1.258	31.741	-1.74	1.258	361.3	104.28	0.133	324.30	25.410	30.114	25.410	0.21	24.919	2.54	7.9
10	1.221	31.760	-1.75	1.221	367.9	106.10	0.133	332.50	25.427	30.132	25.427	-0.09	25.019	3.08	9.9
12	1.384	31.952	-1.76	1.384	369.6	107.20	0.133	372.36	25.572	30.270	25.572	1.16	25.097	3.60	11.9
14	1.243	32.103	-1.77	1.242	375.8	108.71	0.159	411.22	25.702	30.403	25.702	0.34	25.178	4.09	13.9
16	1.117	32.228	-1.78	1.116	381.4	110.07	0.202	459.35	25.810	30.513	25.810	0.63	25.250	4.57	15.9
18	0.075	32.283	-1.78	0.075	400.9	112.63	0.236	529.43	25.910	30.642	25.910	0.51	25.318	5.02	17.9
20	-0.168	32.332	-1.78	-0.168	412.1	115.05	0.352	572.87	25.960	30.699	25.960	0.09	25.381	5.45	19.8
22	-0.386	32.323	-1.79	-0.387	425.0	117.97	0.375	572.58	25.962	30.708	25.962	-0.01	25.434	5.88	21.8
24	-0.647	32.338	-1.79	-0.647	433.5	119.51	0.531	552.80	25.984	30.737	25.984	0.07	25.479	6.31	23.8
26	-0.815	32.312	-1.79	-0.816	436.3	119.71	0.339	529.06	25.969	30.728	25.969	-0.10	25.517	6.74	25.8
28	-1.419	32.301	-1.79	-1.419	443.4	119.67	0.726	575.29	25.978	30.755	25.978	0.15	25.549	7.17	27.8
30	-1.586	32.325	-1.79	-1.587	442.0	118.76	1.305	708.88	26.001	30.784	26.001	0.12	25.579	7.60	29.8
32	-1.489	32.339	-1.79	-1.490	430.6	116.02	1.387	645.54	26.010	30.789	26.010	0.15	25.606	8.02	31.7
34	-1.494	32.331	-1.79	-1.495	418.3	112.67	1.116	489.80	26.004	30.783	26.004	0.06	25.629	8.45	33.7
36	-1.567	32.337	-1.80	-1.567	407.6	109.58	0.834	335.98	26.011	30.792	26.011	0.08	25.650	8.87	35.7
38	-1.583	32.339	-1.80	-1.583	399.0	107.22	0.322	233.82	26.013	30.795	26.013	0.07	25.669	9.29	37.7
40	-1.613	32.341	-1.80	-1.614	393.0	105.52	0.162	161.08	26.015	30.798	26.015	0.06	25.687	9.72	39.7
45	-1.672	32.344	-1.80	-1.672	384.4	103.06	0.121	77.60	26.019	30.803	26.019	0.06	25.723	10.77	44.6
50	-1.714	32.348	-1.81	-1.715	380.7	101.94	0.099	40.75	26.023	30.809	26.023	0.09	25.753	11.82	49.6
55	-1.717	32.351	-1.81	-1.718	373.3	99.96	0.098	58.77	26.025	30.811	26.025	0.05	25.778	12.88	54.5
60	-1.724	32.358	-1.82	-1.725	371.5	99.47	0.089	37.51	26.031	30.817	26.031	0.06	25.799	13.92	59.5
65	-1.745	32.365	-1.82	-1.746	371.0	99.27	0.086	27.36	26.038	30.824	26.038	0.06	25.817	14.97	64.4
70	-1.752	32.369	-1.83	-1.753	369.3	98.81	0.088	23.33	26.041	30.827	26.041	0.06	25.833	16.01	69.4
75	-1.751	32.388	-1.83	-1.753	367.6	98.36	0.084	26.12	26.056	30.843	26.056	0.10	25.847	17.05	74.4
80	-1.741	32.411	-1.84	-1.742	366.3	98.05	0.084	29.05	26.074	30.861	26.074	0.06	25.861	18.08	79.3
85	-1.724	32.458	-1.84	-1.725	364.6	97.69	0.088	35.30	26.112	30.897	26.112	0.12	25.874	19.10	84.3
90	-1.705	32.505	-1.85	-1.707	362.1	97.10	0.091	34.93	26.150	30.934	26.150	0.15	25.889	20.10	89.2
95	-1.683	32.592	-1.86	-1.685	359.4	96.50	0.085	36.77	26.220	31.003	26.220	0.18	25.904	21.07	94.2
100	-1.547	32.707	-1.87	-1.549	356.1	96.07	0.089	44.74	26.311	31.089	26.311	0.23	25.922	22.00	99.1
105	-1.345	32.855	-1.88	-1.347	349.8	94.99	0.096	67.62	26.425	31.195	26.425	0.28	25.943	22.89	104.1
110	-1.353	32.985	-1.89	-1.356	347.0	94.30	0.119	53.83	26.532	31.301	26.532	0.32	25.968	23.71	109.0
115	-1.347	33.172	-1.90	-1.349	342.7	93.28	0.094	59.60	26.683	31.450	26.683	0.20	25.996	24.48	114.0
120	-1.372	33.323	-1.92	-1.374	339.1	92.35	0.088	64.80	26.806	31.573	26.806	0.72	26.026	25.18	118.9
125	-1.104	33.686	-1.94	-1.107	332.9	91.58	0.088	53.97	27.092	31.848	27.092	0.49	26.064	25.76	123.9
150	-0.361	34.286	-1.99	-0.366	307.1	86.58	0.192	46.29	27.548	32.276	27.548	0.10	26.280	27.77	148.6
175	0.177	34.575	-2.03	0.171	291.6	83.57	0.083	35.60	27.754	32.464	27.754	0.11	26.480	29.01	173.4
200	0.347	34.688	-2.06	0.339	292.3	84.23	0.082	38.69	27.835	32.540	27.836	0.06	26.645	29.97	198.1
225	0.392	34.755	-2.08	0.383	290.1	83.73	0.083	38.69	27.887	32.590	27.888	0.08	26.779	30.79	222.8
250	0.432	34.818	-2.10	0.421	290.5	83.99	0.082	55.31	27.935	32.636	27.935	0.06	26.893	31.47	247.5
275	0.436	34.838	-2.12	0.425	290.8	84.09	0.082	71.86	27.951	32.652	27.951	0.04	26.988	32.09	272.2
300	0.436	34.863	-2.14	0.423	290.9	84.15	0.081	106.86	27.971	32.672	27.972	0.05	27.069	32.66	296.9
312	0.438	34.863	-2.15	0.425	289.7	83.80	0.083	117.11	27.971	32.672	27.972	0.04	27.104	32.93	308.8

NEWP 92 STA 43 CTD 71

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.338	31.829	-1.74	1.338	363.1	105.08	0.111	361.24	25.476	30.177	25.476	0.04	25.476	0.00	0.0
2	1.286	31.803	-1.74	1.286	366.6	105.93	0.113	362.62	25.458	30.161	25.459	-0.03	25.472	0.53	2.0
4	1.187	31.789	-1.74	1.187	372.2	107.25	0.120	361.11	25.453	30.159	25.453	-0.26	25.473	1.06	4.0
6	1.132	31.759	-1.74	1.131	378.9	109.00	0.107	356.14	25.432	30.139	25.432	0.60	25.459	1.59	6.0
8	1.020	31.691	-1.74	1.020	387.6	111.13	0.113	333.96	25.384	30.095	25.384	-0.08	25.449	2.13	7.9
10	1.391	32.001	-1.76	1.390	392.1	113.78	0.121	382.37	25.611	30.309	25.611	1.49	25.451	2.66	9.9
12	1.320	31.976	-1.76	1.320	399.1	115.59	0.124	384.36	25.595	30.295	25.595	-0.04	25.478	3.16	11.9
14	1.350	32.036	-1.76	1.350	405.6	117.59	0.128	389.01	25.642	30.340	25.642	0.32	25.498	3.66	13.9
16	1.054	31.693	-1.75	1.054	418.8	120.18	0.141	354.53	25.383	30.093	25.384	-1.40	25.507	4.17	15.9
18	1.253	31.931	-1.76	1.252	420.3	121.47	0.150	376.73	25.563	30.265	25.563	0.35	25.506	4.69	17.9
20	1.279	32.016	-1.77	1.278	421.4	121.93	0.139	404.17	25.630	30.331	25.630	0.19	25.516	5.19	19.8
22	1.181	32.066	-1.77	1.180	430.3	124.25	0.156	422.93	25.676	30.379	25.676	0.57	25.528	5.68	21.8
24	0.615	32.090	-1.77	0.614	453.5	129.03	0.227	440.24	25.727	30.446	25.727	0.50	25.542	6.17	23.8
26	0.344	32.141	-1.78	0.343	455.1	128.62	0.219	429.33	25.782	30.509	25.782	0.20	25.559	6.64	25.8
28	-0.284	32.231	-1.78	-0.285	467.6	130.07	0.264	446.31	25.883	30.627	25.883	1.25	25.577	7.10	27.8
30	-1.080	32.288	-1.79	-1.081	478.3	130.26	0.196	417.33	25.958	30.725	25.958	0.35	25.600	7.54	29.8
32	-1.276	32.308	-1.79	-1.277	472.0	127.89	0.291	500.54	25.980	30.753	25.980	0.11	25.624	7.97	31.7
34	-1.318	32.340	-1.80	-1.319	463.6	125.49	0.445	622.91	26.007	30.781	26.007	0.22	25.645	8.40	33.7
36	-1.400	32.328	-1.80	-1.400	458.3	123.77	0.495	421.71	25.999	30.775	25.999	0.13	25.665	8.82	35.7
38	-1.519	32.340	-1.80	-1.520	452.6	121.85	0.562	503.29	26.012	30.792	26.012	0.11	25.683	9.24	37.7
40	-1.548	32.345	-1.80	-1.548	444.6	119.59	0.931	585.54	26.017	30.797	26.017	0.06	25.700	9.67	39.7
45	-1.600	32.348	-1.80	-1.601	427.1	114.72	0.738	377.99	26.021	30.803	26.021	0.03	25.735	10.72	44.6
50	-1.657	32.357	-1.81	-1.658	410.1	109.98	0.327	201.14	26.029	30.813	26.029	0.05	25.764	11.77	49.6
55	-1.686	32.361	-1.81	-1.687	398.9	106.92	0.229	151.55	26.033	30.817	26.033	0.05	25.789	12.82	54.5
60	-1.719	32.366	-1.82	-1.720	391.0	104.71	0.115	100.86	26.038	30.823	26.038	0.06	25.809	13.86	59.5
65	-1.731	32.372	-1.82	-1.732	385.8	103.28	0.095	50.79	26.043	30.829	26.043	0.06	25.827	14.91	64.4
70	-1.744	32.378	-1.83	-1.745	382.1	102.25	0.091	35.16	26.048	30.834	26.048	0.05	25.842	15.95	69.4
75	-1.751	32.381	-1.83	-1.752	378.8	101.36	0.185	34.35	26.050	30.837	26.050	0.05	25.856	16.99	74.4
80	-1.750	32.392	-1.83	-1.751	374.3	100.16	0.110	24.13	26.060	30.846	26.060	0.05	25.869	18.02	79.3
85	-1.736	32.407	-1.84	-1.738	371.3	99.42	0.094	31.04	26.072	30.858	26.072	0.07	25.880	19.05	84.3
90	-1.725	32.435	-1.84	-1.726	368.9	98.83	0.086	32.87	26.094	30.879	26.094	0.09	25.891	20.08	89.2
95	-1.716	32.476	-1.85	-1.717	366.0	98.09	0.089	35.30	26.127	30.912	26.127	0.19	25.903	21.09	94.2
100	-1.686	32.555	-1.86	-1.688	363.1	97.47	0.090	27.00	26.191	30.974	26.191	0.23	25.915	22.07	99.1
105	-1.658	32.634	-1.87	-1.660	360.3	96.84	0.085	28.46	26.254	31.035	26.254	0.24	25.930	23.03	104.1
110	-1.645	32.690	-1.87	-1.647	357.4	96.15	0.084	31.84	26.299	31.080	26.299	0.19	25.945	23.95	109.0
115	-1.599	32.821	-1.88	-1.601	353.8	95.38	0.094	46.65	26.404	31.183	26.404	0.29	25.963	24.84	114.0
120	-1.362	32.955	-1.90	-1.365	347.3	94.34	0.089	66.13	26.507	31.277	26.507	0.27	25.983	25.69	118.9
125	-1.330	33.074	-1.91	-1.333	343.9	93.60	0.108	64.57	26.603	31.371	26.603	0.19	26.006	26.48	123.9
150	-0.624	34.174	-1.99	-0.628	316.4	88.51	0.086	23.84	27.469	32.206	27.469	0.69	26.187	29.12	148.6
175	0.134	34.560	-2.03	0.128	293.3	83.97	0.083	32.43	27.744	32.456	27.744	0.07	26.396	30.44	173.4
200	0.323	34.671	-2.05	0.316	290.7	83.72	0.082	33.24	27.823	32.529	27.824	0.06	26.569	31.43	198.1
225	0.451	34.750	-2.08	0.442	289.8	83.78	0.082	52.05	27.879	32.581	27.880	0.05	26.712	32.26	222.8
250	0.427	34.818	-2.10	0.417	290.2	83.90	0.083	58.19	27.935	32.637	27.936	0.07	26.831	32.97	247.5
275	0.441	34.851	-2.12	0.429	291.1	84.20	0.082	62.27	27.961	32.662	27.962	0.05	26.933	33.56	272.2
300	0.442	34.863	-2.14	0.429	290.0	83.90	0.083	100.63	27.971	32.671	27.971	0.06	27.019	34.13	296.9
303	0.442	34.862	-2.14	0.429	290.1	83.93	0.083	102.05	27.969	32.670	27.970	0.04	27.028	34.19	299.9

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.400	31.269	-1.71	0.400	374.5	105.30	0.090	207.32	25.077	29.809	25.077	0.04	25.077	0.00	0.0
2	0.401	31.267	-1.71	0.401	375.8	105.66	0.097	207.09	25.075	29.807	25.075	0.02	25.077	0.60	2.0
4	0.409	31.261	-1.71	0.409	377.3	106.11	0.094	208.80	25.070	29.802	25.070	0.02	25.075	1.21	4.0
6	0.402	31.261	-1.71	0.402	378.4	106.40	0.103	210.35	25.070	29.802	25.070	0.07	25.073	1.82	6.0
8	0.399	31.262	-1.72	0.399	379.5	106.71	0.109	209.89	25.072	29.804	25.072	0.02	25.073	2.42	7.9
10	0.368	31.249	-1.72	0.367	380.8	106.97	0.089	208.26	25.062	29.795	25.062	0.03	25.071	3.03	9.9
12	0.366	31.253	-1.72	0.365	381.4	107.12	0.102	208.18	25.066	29.799	25.066	0.01	25.070	3.64	11.9
14	0.298	31.266	-1.72	0.298	381.8	107.06	0.095	216.95	25.079	29.814	25.079	0.33	25.070	4.24	13.9
16	-0.442	31.423	-1.73	-0.442	390.7	107.54	0.164	328.88	25.237	29.992	25.237	0.39	25.081	4.83	15.9
18	-1.271	31.473	-1.74	-1.271	399.5	107.57	0.254	259.28	25.302	30.082	25.302	1.33	25.101	5.40	17.9
20	-1.521	31.691	-1.75	-1.521	398.6	106.76	0.278	224.03	25.485	30.271	25.485	0.59	25.133	5.94	19.8
22	-1.548	31.787	-1.75	-1.549	397.4	106.45	0.328	216.65	25.563	30.349	25.563	0.40	25.169	6.45	21.8
24	-1.560	31.834	-1.76	-1.560	396.6	106.24	0.292	186.85	25.602	30.388	25.602	0.09	25.204	6.96	23.8
26	-1.562	31.845	-1.76	-1.562	394.3	105.62	0.364	163.30	25.611	30.397	25.611	0.10	25.235	7.46	25.8
28	-1.556	31.869	-1.76	-1.557	389.8	104.46	0.322	163.60	25.631	30.416	25.631	0.16	25.263	7.96	27.8
30	-1.554	31.885	-1.77	-1.554	387.2	103.77	0.252	150.70	25.643	30.428	25.643	0.19	25.288	8.45	29.8
32	-1.544	31.968	-1.77	-1.545	384.0	103.00	0.164	127.38	25.710	30.494	25.710	0.21	25.312	8.94	31.7
34	-1.534	32.013	-1.78	-1.535	381.6	102.44	0.154	122.47	25.747	30.530	25.747	0.34	25.336	9.42	33.7
36	-1.523	32.058	-1.78	-1.523	379.6	101.95	0.281	109.35	25.783	30.566	25.783	0.15	25.361	9.89	35.7
38	-1.516	32.077	-1.78	-1.517	378.0	101.55	0.249	102.36	25.798	30.580	25.798	0.13	25.383	10.35	37.7
40	-1.508	32.110	-1.79	-1.509	376.6	101.23	0.202	97.18	25.825	30.607	25.825	0.15	25.404	10.81	39.7
45	-1.501	32.136	-1.79	-1.502	372.1	100.05	0.210	97.93	25.846	30.627	25.846	0.04	25.453	11.95	44.6
50	-1.496	32.176	-1.80	-1.497	368.3	99.08	0.150	93.13	25.878	30.659	25.878	0.08	25.493	13.08	49.6
55	-1.490	32.200	-1.80	-1.491	365.0	98.23	0.131	88.34	25.898	30.678	25.898	0.10	25.529	14.20	54.5
60	-1.483	32.252	-1.81	-1.484	362.6	97.64	0.128	83.63	25.940	30.719	25.940	0.13	25.561	15.30	59.5
65	-1.509	32.346	-1.82	-1.510	360.2	97.01	0.116	83.19	26.017	30.796	26.017	0.30	25.593	16.38	64.5
70	-1.529	32.475	-1.83	-1.530	357.6	96.34	0.109	69.85	26.122	30.901	26.122	0.37	25.627	17.40	69.4
75	-1.505	32.549	-1.84	-1.507	355.2	95.81	0.101	67.62	26.182	30.959	26.182	0.09	25.663	18.39	74.4
80	-1.591	32.627	-1.85	-1.593	353.5	95.19	0.088	51.24	26.247	31.027	26.247	0.12	25.697	19.35	79.3
85	-1.498	32.752	-1.86	-1.500	350.1	94.60	0.089	53.01	26.347	31.122	26.347	0.23	25.732	20.27	84.3
90	-1.456	32.845	-1.87	-1.458	346.8	93.87	0.087	52.57	26.421	31.194	26.421	0.15	25.768	21.14	89.2
95	-1.397	32.941	-1.88	-1.399	343.0	93.08	0.084	55.53	26.497	31.268	26.497	0.24	25.804	21.98	94.2
100	-1.267	33.064	-1.89	-1.269	339.3	92.48	0.094	66.36	26.593	31.359	26.593	0.42	25.841	22.78	99.1
105	-1.133	33.259	-1.90	-1.135	334.0	91.51	0.083	66.50	26.747	31.507	26.747	0.15	25.881	23.52	104.1
110	-1.156	33.435	-1.92	-1.159	329.9	90.45	0.080	55.45	26.890	31.649	26.890	0.33	25.922	24.19	109.0
115	-1.095	33.505	-1.92	-1.098	326.8	89.81	0.085	50.65	26.945	31.702	26.945	0.29	25.965	24.81	114.0
120	-1.071	33.658	-1.94	-1.074	320.7	88.30	0.096	38.61	27.069	31.823	27.069	0.41	26.008	25.38	118.9
125	-1.003	33.755	-1.95	-1.006	314.1	86.69	0.081	35.82	27.145	31.896	27.145	0.17	26.052	25.90	123.9
150	-0.324	34.444	-2.00	-0.329	292.4	82.61	0.076	23.03	27.674	32.400	27.674	0.06	26.290	27.63	148.6
175	0.165	34.589	-2.03	0.159	290.6	83.29	0.075	33.61	27.766	32.476	27.766	0.07	26.494	28.78	173.4
200	0.334	34.705	-2.06	0.326	289.3	83.35	0.075	34.64	27.850	32.555	27.851	0.05	26.658	29.72	198.1
225	0.417	34.790	-2.08	0.407	288.2	83.28	0.076	42.30	27.913	32.615	27.914	0.06	26.794	30.48	222.8
250	0.443	34.838	-2.10	0.433	287.8	83.25	0.074	55.16	27.951	32.651	27.951	0.07	26.907	31.14	247.5
275	0.453	34.855	-2.12	0.442	289.1	83.65	0.078	58.56	27.964	32.664	27.965	0.05	27.003	31.71	272.2
300	0.454	34.856	-2.14	0.441	284.5	82.31	0.075	87.82	27.965	32.665	27.965	0.04	27.083	32.28	296.9
306	0.454	34.857	-2.14	0.441	283.0	81.90	0.074	87.07	27.965	32.665	27.966	0.04	27.100	32.42	302.9

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.088	31.223	-1.71	0.088	378.1	105.41	0.096	233.78	25.054	29.795	25.054	0.04	25.054	0.00	0.0
2	0.088	31.219	-1.71	0.088	379.1	105.68	0.096	233.00	25.051	29.793	25.051	0.03	25.053	0.61	2.0
4	0.069	31.203	-1.71	0.069	380.8	106.07	0.092	229.10	25.039	29.781	25.039	-0.05	25.050	1.22	4.0
6	0.010	31.152	-1.71	0.010	384.1	106.80	0.092	221.15	25.000	29.745	25.000	-0.42	25.045	1.83	6.0
8	0.094	31.195	-1.71	0.094	383.9	107.00	0.091	228.94	25.031	29.773	25.031	0.08	25.037	2.45	7.9
10	0.563	31.470	-1.73	0.563	378.7	107.11	0.098	262.27	25.231	29.956	25.231	1.65	25.049	3.05	9.9
12	0.911	31.611	-1.74	0.910	377.9	107.98	0.093	291.15	25.326	30.041	25.326	0.15	25.092	3.61	11.9
14	0.981	31.658	-1.74	0.981	379.5	108.66	0.096	305.65	25.360	30.072	25.360	0.24	25.128	4.16	13.9
16	1.121	31.762	-1.75	1.121	378.2	108.78	0.102	314.92	25.435	30.142	25.435	0.29	25.162	4.70	15.9
18	1.103	31.878	-1.76	1.103	379.2	109.10	0.108	358.80	25.530	30.236	25.530	0.53	25.197	5.23	17.9
20	0.867	31.969	-1.76	0.866	382.9	109.58	0.132	375.86	25.616	30.329	25.617	0.15	25.235	5.74	19.8
22	0.212	32.024	-1.77	0.211	391.0	110.02	0.129	410.48	25.694	30.425	25.695	0.28	25.272	6.23	21.8
24	-0.145	32.095	-1.77	-0.145	396.8	110.65	0.122	433.77	25.768	30.508	25.768	0.43	25.310	6.71	23.8
26	-0.215	32.137	-1.78	-0.215	398.6	110.98	0.172	524.50	25.804	30.547	25.805	0.27	25.347	7.17	25.8
28	-0.681	32.176	-1.78	-0.682	409.9	112.75	0.190	742.28	25.854	30.610	25.854	0.44	25.381	7.63	27.8
30	-0.448	32.304	-1.79	-0.449	412.1	114.17	0.253	533.15	25.949	30.697	25.949	-0.09	25.417	8.07	29.8
32	-0.958	32.264	-1.79	-0.959	427.9	116.90	0.370	566.09	25.935	30.698	25.935	0.51	25.448	8.51	31.7
34	-1.184	32.311	-1.79	-1.185	435.0	118.14	0.709	611.45	25.980	30.750	25.980	0.13	25.479	8.94	33.7
36	-1.416	32.335	-1.80	-1.417	434.9	117.40	1.097	487.62	26.005	30.782	26.005	0.21	25.507	9.37	35.7
38	-1.516	32.355	-1.80	-1.517	430.0	115.77	0.571	390.03	26.025	30.804	26.025	0.11	25.534	9.79	37.7
40	-1.579	32.358	-1.80	-1.579	421.4	113.27	0.717	295.61	26.028	30.810	26.028	0.08	25.559	10.21	39.7
45	-1.677	32.363	-1.81	-1.677	399.9	107.20	0.163	132.54	26.035	30.819	26.035	0.06	25.611	11.26	44.6
50	-1.701	32.370	-1.81	-1.702	388.1	103.98	0.254	101.08	26.041	30.826	26.041	0.05	25.654	12.30	49.6
55	-1.724	32.375	-1.81	-1.725	382.0	102.30	0.112	65.47	26.045	30.831	26.045	0.07	25.689	13.35	54.5
60	-1.728	32.380	-1.82	-1.729	376.0	100.66	0.089	43.78	26.049	30.835	26.049	0.06	25.719	14.39	59.5
65	-1.731	32.380	-1.82	-1.732	370.9	99.28	0.085	40.38	26.049	30.836	26.049	0.05	25.744	15.43	64.5
70	-1.748	32.385	-1.83	-1.749	367.5	98.34	0.082	41.34	26.054	30.840	26.054	0.06	25.766	16.46	69.4
75	-1.757	32.398	-1.83	-1.758	363.8	97.35	0.093	41.35	26.065	30.851	26.065	0.08	25.786	17.50	74.4
80	-1.748	32.425	-1.84	-1.749	362.5	97.05	0.081	37.66	26.086	30.873	26.086	0.15	25.803	18.53	79.3
85	-1.723	32.498	-1.84	-1.725	360.2	96.55	0.083	33.17	26.145	30.930	26.145	0.19	25.822	19.53	84.3
90	-1.654	32.601	-1.85	-1.655	355.4	95.50	0.104	34.42	26.227	31.009	26.227	0.07	25.842	20.51	89.2
95	-1.559	32.654	-1.86	-1.561	351.2	94.67	0.099	45.10	26.268	31.046	26.268	0.28	25.863	21.45	94.2
100	-1.428	32.783	-1.87	-1.430	348.7	94.42	0.090	54.35	26.370	31.143	26.370	0.30	25.885	22.36	99.1
105	-1.431	32.879	-1.88	-1.433	345.5	93.63	0.087	50.72	26.448	31.220	26.448	0.09	25.911	23.21	104.1
110	-1.262	33.029	-1.89	-1.265	340.4	92.77	0.090	69.85	26.565	31.331	26.565	0.42	25.937	24.03	109.0
115	-1.228	33.144	-1.90	-1.231	336.6	91.90	0.088	66.51	26.657	31.421	26.657	0.35	25.967	24.79	114.0
120	-1.144	33.324	-1.92	-1.147	331.5	90.86	0.083	67.25	26.800	31.560	26.800	0.27	25.999	25.50	118.9
125	-1.361	33.423	-1.93	-1.364	329.4	89.81	0.087	51.53	26.887	31.653	26.887	0.11	26.033	26.14	123.9
150	-0.490	34.202	-1.99	-0.495	310.5	87.19	0.078	46.95	27.485	32.218	27.486	0.22	26.237	28.40	148.6
175	-0.082	34.502	-2.03	-0.088	295.0	83.93	0.079	36.04	27.708	32.427	27.708	0.05	26.435	29.77	173.4
200	0.292	34.653	-2.05	0.284	291.1	83.75	0.077	33.76	27.810	32.517	27.810	0.06	26.600	30.84	198.1
225	0.390	34.744	-2.08	0.381	289.0	83.41	0.077	40.90	27.878	32.581	27.879	0.04	26.738	31.69	222.8
250	0.419	34.816	-2.10	0.408	286.6	82.82	0.078	44.44	27.934	32.636	27.934	0.08	26.854	32.41	247.5
275	0.435	34.849	-2.12	0.424	285.5	82.56	0.077	70.00	27.960	32.661	27.960	0.05	26.954	33.01	272.2
300	0.437	34.864	-2.14	0.424	288.2	83.35	0.077	104.84	27.972	32.672	27.972	0.04	27.038	33.57	296.9
315	0.438	34.863	-2.15	0.425	283.2	81.92	0.077	103.56	27.971	32.672	27.972	0.04	27.082	33.90	311.8

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox*	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.083	30.546	-1.67	-0.083	364.3	100.58	0.060	156.56	24.515	29.267	24.515	0.18	24.513	0.00	0.0
2	-0.123	30.693	-1.68	-0.123	365.2	100.82	0.105	183.94	24.635	29.387	24.635	1.11	24.556	0.71	2.0
4	-0.208	31.595	-1.73	-0.208	358.3	99.38	0.155	364.40	25.366	30.113	25.366	1.61	24.760	1.33	4.0
6	-0.155	31.608	-1.73	-0.155	367.4	102.07	0.290	360.99	25.375	30.120	25.375	-0.43	24.965	1.88	6.0
8	-0.226	31.621	-1.74	-0.226	375.3	104.07	0.263	369.05	25.388	30.135	25.388	0.52	25.063	2.43	7.9
10	-0.448	31.704	-1.74	-0.448	382.2	105.42	0.299	390.09	25.464	30.217	25.464	0.68	25.136	2.96	9.9
12	-1.019	31.722	-1.74	-1.019	396.9	107.79	0.623	440.85	25.497	30.267	25.497	0.13	25.197	3.49	11.9
14	-1.278	31.776	-1.75	-1.278	401.1	108.22	0.700	412.86	25.549	30.326	25.549	-0.01	25.244	4.00	13.9
16	-1.301	31.809	-1.75	-1.301	400.0	107.88	0.878	400.06	25.576	30.354	25.576	0.24	25.284	4.51	15.9
18	-1.307	31.827	-1.75	-1.307	399.3	107.69	0.507	367.42	25.590	30.368	25.590	0.04	25.317	5.02	17.9
20	-1.380	31.822	-1.76	-1.380	399.5	107.53	0.567	338.79	25.588	30.368	25.588	0.05	25.344	5.52	19.8
22	-1.529	31.834	-1.76	-1.529	398.7	106.88	0.499	224.96	25.602	30.386	25.602	0.24	25.367	6.03	21.8
24	-1.536	31.872	-1.76	-1.536	395.5	106.05	0.282	161.23	25.632	30.417	25.632	0.09	25.388	6.53	23.8
26	-1.554	31.883	-1.76	-1.554	391.5	104.93	0.247	141.03	25.641	30.426	25.641	0.06	25.407	7.02	25.8
28	-1.559	31.889	-1.77	-1.559	388.6	104.13	0.445	137.38	25.647	30.432	25.647	0.07	25.424	7.52	27.8
30	-1.548	31.931	-1.77	-1.548	385.1	103.25	0.391	136.02	25.680	30.465	25.681	0.23	25.440	8.01	29.8
32	-1.529	31.967	-1.77	-1.529	381.6	102.39	0.202	127.15	25.709	30.493	25.709	0.14	25.456	8.49	31.7
34	-1.505	31.978	-1.77	-1.506	379.5	101.92	0.165	134.27	25.718	30.501	25.718	0.06	25.471	8.97	33.7
36	-1.476	32.039	-1.78	-1.477	378.0	101.65	0.196	125.88	25.767	30.548	25.767	0.56	25.486	9.45	35.7
38	-1.352	32.063	-1.78	-1.353	376.9	101.71	0.239	189.12	25.783	30.560	25.783	-0.07	25.502	9.92	37.7
40	-1.476	32.091	-1.79	-1.477	378.7	101.86	0.212	134.28	25.809	30.590	25.809	0.12	25.516	10.38	39.7
45	-1.506	32.188	-1.80	-1.507	375.8	101.09	0.146	89.69	25.888	30.669	25.888	0.24	25.553	11.52	44.6
50	-1.464	32.250	-1.80	-1.464	370.2	99.73	0.189	106.41	25.938	30.717	25.938	0.09	25.589	12.62	49.6
55	-1.455	32.291	-1.81	-1.456	368.0	99.20	0.167	101.38	25.971	30.749	25.971	0.11	25.622	13.71	54.5
60	-1.446	32.330	-1.82	-1.448	369.0	99.54	0.149	97.93	26.002	30.780	26.002	0.15	25.652	14.77	59.5
65	-1.525	32.350	-1.82	-1.526	370.1	99.63	0.130	85.43	26.020	30.800	26.020	0.12	25.680	15.83	64.5
70	-1.649	32.367	-1.83	-1.650	370.1	99.29	0.164	63.68	26.037	30.820	26.037	0.11	25.705	16.88	69.4
75	-1.636	32.397	-1.83	-1.637	367.2	98.57	0.123	63.83	26.061	30.844	26.061	-0.03	25.728	17.92	74.4
80	-1.614	32.423	-1.84	-1.616	365.1	98.09	0.104	64.94	26.081	30.864	26.082	0.04	25.749	18.95	79.3
85	-1.546	32.462	-1.84	-1.547	361.4	97.32	0.106	72.75	26.112	30.891	26.112	0.09	25.770	19.96	84.3
90	-1.542	32.524	-1.85	-1.543	360.3	97.07	0.106	69.55	26.162	30.941	26.162	0.25	25.790	20.96	89.2
95	-1.439	32.655	-1.86	-1.441	356.9	96.53	0.115	69.48	26.266	31.041	26.266	0.29	25.812	21.92	94.2
100	-1.375	32.830	-1.87	-1.377	352.5	95.62	0.117	65.91	26.406	31.177	26.406	0.55	25.838	22.81	99.1
105	-1.401	32.911	-1.88	-1.403	348.1	94.41	0.136	56.49	26.472	31.244	26.473	0.10	25.867	23.66	104.1
110	-1.346	33.012	-1.89	-1.349	344.2	93.59	0.096	54.34	26.553	31.321	26.553	0.14	25.897	24.47	109.0
115	-1.294	33.076	-1.90	-1.296	340.6	92.79	0.129	59.53	26.604	31.370	26.604	0.17	25.926	25.25	114.0
120	-1.193	33.160	-1.91	-1.196	336.9	92.08	0.096	70.30	26.668	31.431	26.668	0.22	25.956	26.00	119.0
125	-1.281	33.341	-1.92	-1.284	334.7	91.40	0.094	57.90	26.818	31.582	26.819	0.23	25.988	26.69	123.9
150	-0.624	34.179	-1.99	-0.628	312.0	87.28	0.091	27.88	27.473	32.210	27.473	0.92	26.180	29.22	148.6
175	-0.120	34.538	-2.03	-0.126	296.4	84.28	0.089	27.95	27.740	32.459	27.740	0.10	26.391	30.52	173.4
200	0.236	34.648	-2.05	0.228	288.9	82.98	0.088	32.80	27.809	32.517	27.809	0.13	26.563	31.55	198.1
225	0.313	34.726	-2.08	0.304	288.2	83.00	0.089	30.89	27.868	32.573	27.868	0.12	26.704	32.42	222.8
250	0.453	34.837	-2.10	0.443	290.4	84.01	0.087	33.98	27.949	32.650	27.950	0.06	26.825	33.11	247.5
275	0.450	34.857	-2.12	0.438	289.0	83.62	0.086	49.02	27.965	32.666	27.966	0.05	26.928	33.68	272.2
300	0.450	34.860	-2.14	0.437	288.3	83.41	0.087	93.43	27.968	32.668	27.969	0.05	27.014	34.25	296.9
314	0.447	34.861	-2.15	0.434	286.8	82.96	0.088	125.79	27.969	32.669	27.970	0.04	27.057	34.56	310.8

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
43	75	01 AUG 92	2157	80 17.02	-9 26.46	310	12	80

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
17	809	-1.490	31.787	-1.490	25.562			1.59	.04	.17	1.12	10.00

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
17	809			9.7	1.7						

NEWP 92 STA 43 CTD 75

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.129	31.519	-1.72	-0.129	356.6	99.07	0.272	345.80	25.302	30.048	25.302	0.04	25.302	0.00	0.0
2	-0.155	31.514	-1.73	-0.155	360.1	99.96	0.277	334.54	25.299	30.045	25.299	0.31	25.299	0.56	2.0
4	-0.445	31.632	-1.73	-0.445	371.6	102.43	0.291	351.74	25.406	30.159	25.406	0.78	25.329	1.11	4.0
6	-0.160	31.442	-1.72	-0.160	372.9	103.42	0.275	322.51	25.241	29.988	25.242	-1.39	25.345	1.66	6.0
8	-1.080	31.698	-1.74	-1.080	391.5	106.13	0.311	316.49	25.480	30.252	25.480	0.16	25.353	2.20	7.9
10	-1.287	31.707	-1.74	-1.287	394.4	106.32	0.400	291.72	25.493	30.271	25.493	0.29	25.381	2.73	9.9
12	-1.472	31.743	-1.75	-1.472	393.4	105.57	0.364	242.15	25.526	30.310	25.526	0.24	25.403	3.25	11.9
14	-1.435	31.777	-1.75	-1.435	391.0	105.05	0.526	251.65	25.553	30.336	25.553	0.20	25.423	3.76	13.9
16	-1.446	31.783	-1.75	-1.446	386.9	103.92	0.380	252.75	25.559	30.341	25.559	0.14	25.439	4.27	15.9
18	-1.504	31.795	-1.75	-1.505	385.1	103.27	0.309	246.70	25.569	30.354	25.569	0.06	25.453	4.78	17.9
20	-1.521	31.801	-1.75	-1.521	378.6	101.48	0.425	251.25	25.575	30.360	25.575	0.10	25.465	5.29	19.8
22	-1.536	31.809	-1.76	-1.536	381.3	102.18	0.376	260.53	25.581	30.367	25.581	0.08	25.476	5.80	21.8
24	-1.550	31.845	-1.76	-1.551	382.8	102.58	0.295	213.92	25.611	30.396	25.611	0.21	25.485	6.30	23.8
26	-1.553	31.863	-1.76	-1.554	381.8	102.31	0.273	198.50	25.626	30.411	25.626	0.07	25.496	6.80	25.8
28	-1.551	31.882	-1.76	-1.551	379.8	101.80	0.283	159.40	25.641	30.426	25.641	0.11	25.505	7.30	27.8
30	-1.551	31.921	-1.77	-1.551	377.7	101.27	0.179	141.64	25.673	30.458	25.673	0.17	25.515	7.79	29.8
32	-1.549	31.967	-1.77	-1.549	376.3	100.92	0.303	130.41	25.710	30.494	25.710	0.14	25.527	8.27	31.7
34	-1.531	32.022	-1.78	-1.532	373.6	100.30	0.195	112.96	25.754	30.538	25.754	0.40	25.538	8.75	33.7

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.408	31.383	-1.72	0.408	369.0	103.86	0.112	225.35	25.169	29.899	25.169	0.06	25.168	0.00	0.0
2	0.482	31.421	-1.72	0.482	372.4	105.05	0.113	228.47	25.196	29.924	25.196	0.55	25.177	0.59	2.0
4	0.841	31.587	-1.73	0.841	371.3	105.87	0.130	259.68	25.311	30.027	25.311	0.28	25.217	1.15	4.0
6	0.884	31.662	-1.74	0.884	381.8	109.07	0.120	256.05	25.368	30.083	25.368	1.13	25.252	1.71	6.0
8	0.982	31.760	-1.74	0.982	391.0	112.04	0.126	266.38	25.442	30.153	25.442	1.85	25.289	2.25	7.9
10	1.088	31.968	-1.76	1.088	395.7	113.90	0.133	298.98	25.602	30.309	25.602	-0.02	25.350	2.76	9.9
12	1.025	31.998	-1.76	1.025	401.2	115.31	0.162	335.99	25.631	30.338	25.631	0.08	25.394	3.26	11.9
14	0.900	31.978	-1.76	0.900	403.0	115.44	0.145	355.25	25.622	30.333	25.622	0.25	25.426	3.76	13.9
16	0.728	32.084	-1.77	0.728	405.5	115.71	0.137	373.16	25.716	30.432	25.716	0.48	25.455	4.25	15.9
18	0.253	32.167	-1.77	0.252	411.8	116.13	0.197	507.87	25.808	30.536	25.808	0.47	25.489	4.72	17.9
20	-0.018	32.230	-1.78	-0.019	418.5	117.23	0.233	546.29	25.871	30.607	25.871	0.26	25.525	5.17	19.8
22	-0.185	32.256	-1.78	-0.185	426.1	118.86	0.338	562.61	25.900	30.640	25.900	0.35	25.558	5.62	21.8
24	-0.124	32.291	-1.79	-0.125	432.4	120.83	0.339	503.80	25.925	30.663	25.925	0.06	25.588	6.06	23.8
26	-0.967	32.273	-1.79	-0.967	451.3	123.27	0.418	637.05	25.942	30.706	25.942	0.00	25.614	6.50	25.8
28	-1.155	32.291	-1.79	-1.155	454.7	123.58	0.552	688.78	25.963	30.732	25.963	0.41	25.637	6.94	27.8
30	-1.315	32.323	-1.79	-1.315	455.5	123.30	0.900	678.45	25.993	30.767	25.993	0.10	25.660	7.36	29.8
32	-1.414	32.332	-1.79	-1.415	451.2	121.82	0.919	600.14	26.003	30.780	26.003	0.11	25.682	7.79	31.7
34	-1.493	32.346	-1.80	-1.493	440.0	118.54	0.987	512.71	26.016	30.795	26.016	0.12	25.701	8.21	33.7
36	-1.521	32.352	-1.80	-1.522	427.3	115.03	0.782	432.71	26.022	30.802	26.022	0.06	25.719	8.63	35.7
38	-1.586	32.359	-1.80	-1.587	418.1	112.35	0.596	354.61	26.029	30.811	26.029	0.07	25.735	9.05	37.7
40	-1.634	32.359	-1.80	-1.635	411.6	110.48	0.446	260.93	26.030	30.813	26.030	0.07	25.749	9.47	39.7
45	-1.695	32.362	-1.80	-1.695	393.0	105.30	0.404	149.86	26.034	30.819	26.034	0.08	25.781	10.52	44.6
50	-1.721	32.373	-1.81	-1.721	381.8	102.24	0.134	57.25	26.043	30.829	26.043	0.12	25.807	11.56	49.6
55	-1.704	32.375	-1.81	-1.705	376.9	100.97	0.300	121.41	26.045	30.830	26.045	0.05	25.828	12.61	54.5
60	-1.723	32.380	-1.82	-1.724	372.9	99.85	0.164	130.34	26.049	30.835	26.049	0.06	25.846	13.65	59.5
65	-1.736	32.384	-1.82	-1.738	369.2	98.83	0.125	96.28	26.052	30.839	26.052	0.05	25.862	14.68	64.4
70	-1.756	32.393	-1.83	-1.757	366.2	97.98	0.131	59.38	26.061	30.847	26.061	0.07	25.876	15.72	69.4
75	-1.753	32.414	-1.83	-1.754	365.5	97.81	0.094	35.89	26.078	30.864	26.078	0.11	25.889	16.75	74.4
80	-1.732	32.463	-1.84	-1.733	363.5	97.38	0.091	34.86	26.117	30.902	26.117	0.21	25.902	17.76	79.3
85	-1.706	32.532	-1.85	-1.708	360.8	96.76	0.105	35.30	26.173	30.957	26.173	0.09	25.916	18.76	84.3
90	-1.686	32.620	-1.85	-1.687	357.5	96.02	0.096	46.80	26.243	31.026	26.243	0.18	25.932	19.71	89.2
95	-1.630	32.730	-1.86	-1.632	354.6	95.46	0.098	36.72	26.332	31.112	26.332	0.18	25.951	20.63	94.2
100	-1.284	32.923	-1.88	-1.286	347.3	94.52	0.096	70.44	26.479	31.246	26.479	0.14	25.974	21.49	99.1
105	-1.251	33.033	-1.89	-1.254	342.4	93.35	0.098	73.35	26.567	31.333	26.567	0.22	26.000	22.30	104.1
110	-1.206	33.158	-1.90	-1.208	338.5	92.48	0.094	66.58	26.667	31.430	26.667	0.05	26.029	23.05	109.0
115	-1.157	33.243	-1.91	-1.159	333.0	91.17	0.095	73.51	26.735	31.496	26.735	0.20	26.058	23.78	114.0
120	-1.077	33.382	-1.92	-1.080	329.8	90.59	0.093	70.37	26.845	31.602	26.845	0.23	26.089	24.45	118.9
125	-1.017	33.413	-1.93	-1.020	325.6	89.61	0.131	74.02	26.868	31.623	26.868	0.44	26.119	25.10	123.9
150	-0.454	34.225	-1.99	-0.459	307.2	86.35	0.089	45.55	27.503	32.234	27.503	0.32	26.305	27.41	148.6
175	-0.256	34.486	-2.03	-0.262	293.4	83.09	0.088	23.47	27.704	32.428	27.705	0.10	26.493	28.80	173.4
200	0.258	34.633	-2.05	0.250	288.4	82.87	0.087	32.87	27.796	32.504	27.796	0.08	26.650	29.87	198.1
225	0.395	34.737	-2.08	0.385	286.6	82.74	0.085	40.01	27.872	32.575	27.873	0.07	26.782	30.73	222.8
250	0.421	34.803	-2.10	0.411	284.4	82.20	0.085	51.68	27.924	32.625	27.924	0.08	26.893	31.46	247.5
275	0.436	34.846	-2.12	0.425	289.4	83.68	0.084	78.56	27.957	32.658	27.958	0.05	26.989	32.08	272.2
300	0.439	34.863	-2.14	0.426	287.3	83.11	0.083	103.18	27.971	32.672	27.972	0.05	27.070	32.64	296.9
316	0.438	34.863	-2.15	0.424	285.1	82.47	0.082	124.66	27.971	32.672	27.972	0.04	27.116	32.99	312.7

Station CTD No. Date UTC Time Latitude Longitude Depth Meters Secchi Meters Ice Cover %

44 77 02 AUG 92 1621 80 44.67 -7 38.59 175 90

Pres BNL_ID CTD_Temp CTD_Sal Theta C Sig-Th Bot_Sal Bot_DO2 NO3 NO2 NH4 PO4 SIO4

dbar P78 P78 P78

2	833	-1.535	31.348	-1.535	25.207	382.9	2.21	.03	0.00	1.16	10.64
10	832	-1.534	31.362	-1.534	25.218	381.3	2.43	.03	0.00	1.18	10.63
20	831	-1.644	31.512	-1.644	25.342	378.2	2.04	.04	.05	1.20	10.34
30	830	-1.606	31.782	-1.606	25.561	378.2	2.04	.04	.05	1.14	8.81
40	829	-1.606	31.834	-1.606	25.603	377.5	2.02	.04	.05	1.15	8.35
50	828	-1.552	31.926	-1.553	25.677	374.4	2.32	.04	.05	1.17	8.85
60	827	-1.535	31.978	-1.536	25.719	373.7	2.23	.04	.05	1.18	9.32
70	826	-1.540	32.005	-1.541	25.741	372.0	2.35	.05	.08	1.20	9.66
80	825	-1.536	32.041	-1.537	25.770	371.4	2.27	.05	.09	1.18	9.51
121	824	-1.316	33.114	-1.318	26.635	302.1	10.04	.02	.05	1.15	19.01
168	823	-.645	34.326	-.650	27.593	290.7	11.34	0.00	.05	1.05	12.09

Pres BNL_ID CH1 Phaeo POC PON TCO2 Alkalinity Bacteria Trittium Helium Del_He3

dbar ug/kg umol/kg umol/kg umol/kg cells/ml nmol/kg %

2	833	.71	.46	.39	.31	.15	.21	.34	.26	.48	.38
10	832	.64	.39	.39	.31	.15	.21	.34	.26	.48	.38
20	831	.43	.31	.31	.31	.15	.21	.34	.26	.48	.38
30	830	.15	.21	.21	.21	.15	.21	.34	.26	.48	.38
40	829	.38	.34	.34	.34	.15	.21	.34	.26	.48	.38
50	828	.12	.26	.26	.26	.15	.21	.34	.26	.48	.38
60	827	.48	.38	.38	.38	.15	.21	.34	.26	.48	.38
70	826	.20	.28	.28	.28	.15	.21	.34	.26	.48	.38
80	825	.13	.23	.23	.23	.15	.21	.34	.26	.48	.38
121	824	.04	.27	.27	.27	.15	.21	.34	.26	.48	.38
168	823	.06	.20	.20	.20	.15	.21	.34	.26	.48	.38

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox‡	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.636	31.325	-1.71	-1.636	329.4	87.70	0.120	105.06	25.190	29.983	25.190	0.08	25.189	0.00	0.0
2	-1.620	31.323	-1.71	-1.620	331.5	88.31	0.119	103.56	25.188	29.980	25.188	0.04	25.189	0.58	2.0
4	-1.585	31.323	-1.72	-1.585	330.9	88.24	0.131	112.01	25.187	29.978	25.187	0.03	25.189	1.17	4.0
6	-1.585	31.324	-1.72	-1.585	329.9	87.96	0.133	97.33	25.188	29.979	25.188	0.07	25.188	1.75	6.0
8	-1.493	31.316	-1.72	-1.493	342.1	91.44	0.125	97.55	25.180	29.968	25.180	0.21	25.189	2.33	7.9
10	-1.566	31.346	-1.72	-1.566	355.0	94.72	0.121	93.88	25.206	29.996	25.206	0.20	25.191	2.91	9.9
12	-1.602	31.385	-1.73	-1.603	361.9	96.50	0.122	88.94	25.238	30.029	25.238	0.07	25.196	3.49	11.9
14	-1.587	31.401	-1.73	-1.587	367.2	97.96	0.139	83.26	25.251	30.042	25.251	0.39	25.202	4.06	13.9
16	-1.626	31.446	-1.73	-1.626	368.5	98.24	0.142	77.82	25.288	30.080	25.288	0.11	25.212	4.63	15.9
18	-1.630	31.463	-1.73	-1.631	369.3	98.46	0.155	74.16	25.302	30.093	25.302	0.22	25.221	5.19	17.9
20	-1.639	31.510	-1.74	-1.639	371.0	98.92	0.125	68.36	25.341	30.132	25.341	0.16	25.231	5.75	19.8
22	-1.641	31.530	-1.74	-1.641	371.2	98.97	0.118	65.91	25.357	30.148	25.357	0.13	25.242	6.30	21.8
24	-1.642	31.568	-1.75	-1.642	373.8	99.70	0.112	58.27	25.388	30.178	25.388	0.14	25.252	6.84	23.8
26	-1.639	31.615	-1.75	-1.640	375.7	100.24	0.107	53.09	25.426	30.216	25.426	0.28	25.264	7.39	25.8
28	-1.629	31.747	-1.76	-1.629	375.4	100.30	0.101	45.40	25.533	30.322	25.533	0.41	25.279	7.91	27.8
30	-1.609	31.803	-1.76	-1.609	375.6	100.44	0.092	44.44	25.578	30.366	25.578	0.15	25.298	8.42	29.8
32	-1.604	31.814	-1.76	-1.605	375.5	100.45	0.091	45.18	25.587	30.374	25.587	0.05	25.316	8.93	31.7
34	-1.608	31.824	-1.77	-1.608	375.7	100.49	0.089	46.58	25.595	30.382	25.595	0.13	25.332	9.43	33.7
36	-1.603	31.836	-1.77	-1.604	374.8	100.28	0.091	46.28	25.604	30.391	25.604	0.06	25.347	9.93	35.7
38	-1.604	31.839	-1.77	-1.604	374.8	100.28	0.090	47.10	25.607	30.394	25.607	0.05	25.361	10.44	37.7
40	-1.588	31.858	-1.77	-1.589	374.6	100.29	0.089	49.39	25.622	30.409	25.622	0.18	25.373	10.94	39.7
45	-1.567	31.879	-1.78	-1.568	373.7	100.11	0.091	49.83	25.639	30.425	25.639	0.07	25.402	12.18	44.6
50	-1.553	31.930	-1.78	-1.554	371.8	99.67	0.095	47.91	25.680	30.465	25.680	0.16	25.427	13.41	49.6
55	-1.531	31.961	-1.79	-1.532	371.6	99.72	0.092	48.50	25.705	30.489	25.705	0.05	25.452	14.62	54.6
60	-1.532	31.981	-1.79	-1.533	369.9	99.28	0.097	48.28	25.721	30.504	25.721	0.10	25.473	15.82	59.5
65	-1.537	31.991	-1.80	-1.538	371.0	99.55	0.090	48.21	25.729	30.512	25.729	0.05	25.493	17.01	64.5
70	-1.549	32.010	-1.80	-1.550	368.9	98.98	0.092	44.66	25.745	30.528	25.745	0.13	25.510	18.21	69.4
75	-1.547	32.020	-1.81	-1.548	365.2	97.99	0.087	44.22	25.753	30.537	25.753	0.05	25.526	19.39	74.4
80	-1.530	32.060	-1.82	-1.531	363.7	97.67	0.087	43.33	25.785	30.567	25.785	0.16	25.541	20.57	79.3
85	-1.497	32.115	-1.82	-1.498	362.9	97.59	0.088	44.07	25.829	30.610	25.829	0.30	25.556	21.72	84.3
90	-1.478	32.256	-1.83	-1.479	360.1	96.98	0.087	40.97	25.943	30.722	25.943	0.04	25.575	22.83	89.3
95	-1.455	32.360	-1.84	-1.456	357.8	96.52	0.084	38.47	26.027	30.805	26.027	0.15	25.596	23.91	94.2
100	-1.447	32.412	-1.85	-1.449	354.5	95.67	0.084	38.25	26.069	30.846	26.069	0.15	25.618	24.95	99.2
105	-1.444	32.448	-1.86	-1.446	350.8	94.71	0.082	37.58	26.098	30.875	26.098	0.07	25.640	25.97	104.1
110	-1.439	32.490	-1.86	-1.442	344.9	93.16	0.083	38.69	26.132	30.908	26.132	0.22	25.662	26.98	109.1
115	-1.414	32.614	-1.87	-1.416	342.9	92.77	0.082	36.70	26.232	31.006	26.232	0.43	25.684	27.95	114.0
120	-1.360	32.920	-1.89	-1.363	335.7	91.19	0.082	34.79	26.479	31.249	26.479	2.03	25.711	28.86	119.0
125	-1.269	33.481	-1.93	-1.271	323.4	88.44	0.081	23.47	26.931	31.693	26.931	0.19	25.752	29.54	123.9
150	-1.046	33.672	-1.96	-1.050	297.8	82.05	0.082	32.36	27.079	31.833	27.079	0.10	25.960	32.43	148.7
175	-0.674	34.282	-2.01	-0.680	292.5	81.78	0.079	25.60	27.559	32.296	27.559	0.05	26.162	34.39	173.4

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.635	31.424	-1.72	-1.635	371.9	99.10	0.093	62.50	25.271	30.062	25.271	0.04	25.271	0.00	0.0
2	-1.635	31.423	-1.72	-1.635	372.9	99.37	0.093	64.50	25.270	30.062	25.270	0.05	25.270	0.57	2.0
4	-1.636	31.423	-1.72	-1.636	375.0	99.93	0.093	70.07	25.270	30.061	25.270	0.04	25.270	1.13	4.0
6	-1.636	31.415	-1.72	-1.636	375.6	100.08	0.094	72.90	25.264	30.055	25.264	-0.02	25.270	1.70	6.0
8	-1.636	31.412	-1.72	-1.636	377.3	100.52	0.093	73.27	25.261	30.053	25.261	0.13	25.267	2.27	7.9
10	-1.637	31.418	-1.73	-1.637	382.6	101.93	0.096	107.80	25.266	30.058	25.266	-0.02	25.267	2.84	9.9
12	-1.636	31.402	-1.73	-1.636	383.5	102.17	0.097	73.94	25.253	30.045	25.253	-0.06	25.265	3.41	11.9
14	-1.634	31.380	-1.73	-1.634	379.5	101.08	0.103	76.25	25.235	30.027	25.235	0.15	25.261	3.98	13.9
16	-1.638	31.428	-1.73	-1.638	378.6	100.89	0.107	72.75	25.274	30.066	25.274	0.17	25.261	4.55	15.9
18	-1.639	31.441	-1.73	-1.640	376.2	100.24	0.112	71.04	25.284	30.076	25.284	0.11	25.263	5.12	17.9
20	-1.640	31.450	-1.74	-1.640	376.2	100.26	0.111	74.17	25.292	30.084	25.292	0.08	25.265	5.68	19.8
22	-1.640	31.457	-1.74	-1.640	377.1	100.51	0.113	74.25	25.298	30.089	25.298	0.08	25.268	6.24	21.8
24	-1.640	31.463	-1.74	-1.640	375.8	100.15	0.116	71.04	25.302	30.094	25.302	0.08	25.271	6.80	23.8
26	-1.642	31.484	-1.74	-1.642	374.2	99.73	0.115	67.69	25.319	30.111	25.319	0.26	25.274	7.36	25.8
28	-1.636	31.602	-1.75	-1.637	373.3	99.59	0.105	48.43	25.415	30.205	25.415	0.32	25.281	7.91	27.8
30	-1.634	31.690	-1.76	-1.635	372.6	99.48	0.092	42.45	25.486	30.276	25.486	0.26	25.292	8.44	29.8
32	-1.645	31.729	-1.76	-1.646	371.9	99.29	0.092	40.01	25.518	30.308	25.518	0.19	25.306	8.96	31.7
34	-1.645	31.755	-1.76	-1.645	370.6	98.98	0.089	39.50	25.540	30.329	25.540	0.29	25.319	9.48	33.7
36	-1.636	31.796	-1.77	-1.636	377.4	100.86	0.088	40.83	25.573	30.361	25.573	0.07	25.332	9.99	35.7
38	-1.633	31.803	-1.77	-1.633	379.1	101.32	0.088	40.16	25.579	30.367	25.579	0.05	25.345	10.49	37.7
40	-1.630	31.809	-1.77	-1.631	378.0	101.04	0.087	40.83	25.583	30.371	25.583	0.07	25.357	11.00	39.7
45	-1.612	31.822	-1.77	-1.613	376.3	100.64	0.086	41.64	25.593	30.381	25.593	0.08	25.383	12.26	44.6
50	-1.592	31.857	-1.78	-1.593	373.3	99.92	0.087	43.85	25.622	30.408	25.622	0.08	25.405	13.52	49.6
55	-1.590	31.865	-1.78	-1.591	370.3	99.14	0.086	44.22	25.628	30.414	25.628	0.07	25.425	14.76	54.6
60	-1.566	31.890	-1.79	-1.567	368.5	98.73	0.084	44.96	25.648	30.433	25.648	0.04	25.443	16.00	59.5
65	-1.573	31.922	-1.80	-1.574	366.4	98.17	0.086	42.52	25.674	30.459	25.674	0.06	25.459	17.23	64.5
70	-1.530	31.962	-1.80	-1.531	362.2	97.19	0.087	44.44	25.705	30.489	25.705	0.05	25.476	18.44	69.4
75	-1.528	31.991	-1.81	-1.530	358.7	96.28	0.085	41.78	25.729	30.512	25.729	0.08	25.492	19.64	74.4
80	-1.548	32.025	-1.81	-1.549	357.2	95.86	0.086	40.68	25.757	30.541	25.757	0.06	25.507	20.83	79.3
85	-1.538	32.053	-1.82	-1.540	356.6	95.72	0.084	39.65	25.780	30.563	25.780	0.18	25.522	22.00	84.3
90	-1.523	32.086	-1.82	-1.524	354.0	95.10	0.084	42.37	25.806	30.588	25.806	0.14	25.537	23.17	89.3
95	-1.521	32.300	-1.84	-1.523	355.8	95.75	0.079	34.86	25.980	30.760	25.980	0.48	25.556	24.28	94.2
100	-1.496	32.395	-1.85	-1.498	351.7	94.77	0.079	35.67	26.056	30.835	26.056	0.32	25.579	25.33	99.2
105	-1.406	32.829	-1.88	-1.408	344.8	93.46	0.080	31.18	26.406	31.179	26.406	1.29	25.608	26.30	104.1
110	-1.339	33.121	-1.90	-1.341	334.8	91.11	0.078	28.24	26.641	31.409	26.641	0.50	25.650	27.09	109.1
115	-1.291	33.603	-1.93	-1.294	324.0	88.62	0.076	19.08	27.031	31.793	27.031	0.59	25.702	27.73	114.0
120	-1.270	33.824	-1.95	-1.273	311.9	85.51	0.073	14.90	27.210	31.969	27.210	0.12	25.763	28.23	119.0
125	-1.282	33.871	-1.95	-1.285	302.5	82.94	0.073	13.15	27.248	32.008	27.249	0.09	25.822	28.69	123.9
150	-1.221	34.156	-1.99	-1.224	292.2	80.43	0.074	11.76	27.477	32.232	27.477	0.25	26.078	30.71	148.7
175	-0.896	34.371	-2.02	-0.901	289.2	80.44	0.072	11.91	27.639	32.383	27.640	0.03	26.289	32.24	173.4
200	-0.557	34.496	-2.04	-0.564	289.0	81.18	0.072	12.49	27.726	32.459	27.727	0.03	26.464	33.47	198.1
225	-0.247	34.608	-2.07	-0.255	287.8	81.59	0.071	12.35	27.803	32.525	27.803	0.06	26.608	34.51	222.8
250	0.032	34.694	-2.09	0.023	286.2	81.80	0.070	12.42	27.857	32.571	27.858	0.07	26.730	35.41	247.6
275	0.403	34.837	-2.12	0.391	285.9	82.60	0.070	12.56	27.952	32.654	27.952	0.05	26.838	36.07	272.3
276	0.403	34.838	-2.12	0.391	286.1	82.67	0.068	12.91	27.953	32.655	27.954	0.07	26.842	36.09	273.3

NEWP 92 STA 46 CTD 79

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.626	31.332	-1.71	-1.626	383.6	102.18	0.098	102.05	25.196	29.988	25.196	0.06	25.196	0.00	0.0
2	-1.629	31.344	-1.72	-1.629	383.0	102.01	0.099	97.63	25.206	29.998	25.206	0.15	25.199	0.58	2.0
4	-1.637	31.375	-1.72	-1.637	381.4	101.58	0.100	74.70	25.231	30.023	25.231	0.11	25.209	1.16	4.0
6	-1.636	31.374	-1.72	-1.636	379.9	101.19	0.100	71.12	25.230	30.022	25.230	-0.09	25.217	1.73	6.0
8	-1.665	31.451	-1.73	-1.665	378.1	100.69	0.102	56.34	25.293	30.086	25.293	0.09	25.230	2.30	7.9
10	-1.660	31.437	-1.73	-1.660	375.4	99.97	0.098	56.86	25.282	30.074	25.282	-0.09	25.243	2.86	9.9
12	-1.665	31.458	-1.73	-1.666	377.4	100.49	0.100	55.82	25.299	30.091	25.299	0.14	25.250	3.43	11.9
14	-1.675	31.511	-1.73	-1.675	378.4	100.78	0.099	50.20	25.342	30.134	25.342	0.16	25.261	3.98	13.9
16	-1.676	31.525	-1.74	-1.676	378.3	100.76	0.099	47.61	25.353	30.145	25.353	0.04	25.272	4.53	15.9
18	-1.676	31.509	-1.74	-1.676	380.1	101.22	0.102	49.24	25.341	30.133	25.341	0.07	25.280	5.09	17.9
20	-1.676	31.514	-1.74	-1.677	378.7	100.87	0.097	47.47	25.345	30.137	25.345	0.10	25.286	5.64	19.8
22	-1.679	31.525	-1.74	-1.679	379.2	100.99	0.099	47.25	25.354	30.146	25.354	0.04	25.292	6.19	21.8
24	-1.678	31.525	-1.74	-1.678	378.2	100.75	0.103	47.02	25.354	30.146	25.354	0.04	25.297	6.74	23.8
26	-1.673	31.526	-1.74	-1.674	377.0	100.42	0.098	46.21	25.354	30.146	25.354	0.04	25.302	7.29	25.8
28	-1.670	31.531	-1.75	-1.670	376.1	100.21	0.100	46.88	25.359	30.150	25.359	0.11	25.305	7.84	27.8
30	-1.666	31.552	-1.75	-1.667	375.9	100.18	0.098	45.47	25.375	30.167	25.375	0.09	25.310	8.39	29.8
32	-1.671	31.574	-1.75	-1.672	377.4	100.56	0.096	43.48	25.393	30.184	25.393	0.09	25.314	8.93	31.7
34	-1.674	31.593	-1.75	-1.674	379.1	101.04	0.099	42.82	25.408	30.200	25.408	0.35	25.319	9.48	33.7
36	-1.690	31.708	-1.76	-1.691	380.0	101.32	0.095	38.77	25.503	30.294	25.503	0.30	25.327	10.00	35.7
38	-1.697	31.832	-1.77	-1.698	378.6	101.03	0.093	31.18	25.604	30.394	25.604	0.51	25.339	10.52	37.7
40	-1.711	31.876	-1.77	-1.712	376.2	100.39	0.088	26.92	25.639	30.429	25.639	0.17	25.353	11.01	39.7
45	-1.716	31.927	-1.78	-1.716	374.5	99.96	0.084	22.67	25.681	30.471	25.681	0.13	25.388	12.24	44.6
50	-1.724	31.974	-1.79	-1.725	371.9	99.27	0.082	19.00	25.719	30.508	25.719	0.11	25.419	13.45	49.6
55	-1.699	32.075	-1.80	-1.700	369.5	98.77	0.083	18.93	25.801	30.589	25.801	0.06	25.451	14.62	54.6
60	-1.704	32.114	-1.80	-1.705	366.7	98.05	0.084	22.30	25.832	30.620	25.832	0.08	25.481	15.77	59.5
65	-1.708	32.213	-1.81	-1.709	363.9	97.36	0.088	22.74	25.913	30.700	25.913	0.42	25.510	16.90	64.5
70	-1.565	32.435	-1.83	-1.567	361.2	97.17	0.081	15.93	26.090	30.871	26.090	0.15	25.546	17.96	69.4
75	-1.437	32.633	-1.84	-1.439	350.0	94.64	0.080	19.37	26.248	31.022	26.248	0.10	25.587	18.93	74.4
80	-1.282	33.005	-1.87	-1.284	334.3	91.05	0.082	33.98	26.545	31.312	26.545	0.34	25.637	19.81	79.3
85	-1.213	33.173	-1.88	-1.215	326.3	89.16	0.082	34.35	26.680	31.443	26.680	0.51	25.694	20.58	84.3
90	-1.269	33.579	-1.91	-1.271	324.0	88.66	0.082	22.67	27.011	31.772	27.011	0.47	25.760	21.20	89.2
95	-1.301	33.755	-1.92	-1.303	315.9	86.47	0.080	18.34	27.154	31.915	27.154	0.29	25.829	21.74	94.2
100	-1.241	33.936	-1.94	-1.243	307.0	84.30	0.080	15.34	27.300	32.057	27.300	0.13	25.899	22.20	99.1
105	-1.120	34.150	-1.95	-1.123	300.8	83.02	0.080	14.25	27.469	32.221	27.469	0.38	25.970	22.59	104.1
110	-1.069	34.227	-1.96	-1.072	299.8	82.90	0.082	12.78	27.529	32.279	27.529	0.17	26.040	22.92	109.0
115	-1.087	34.287	-1.97	-1.090	299.3	82.75	0.078	11.91	27.579	32.328	27.579	0.26	26.105	23.23	114.0
120	-0.969	34.327	-1.97	-0.972	299.5	83.11	0.078	11.91	27.607	32.353	27.607	0.17	26.167	23.53	118.9
125	-0.796	34.383	-1.98	-0.800	297.7	83.04	0.079	12.71	27.645	32.386	27.645	0.15	26.226	23.80	123.9
150	-0.441	34.540	-2.01	-0.446	295.2	83.20	0.078	12.35	27.757	32.486	27.757	0.09	26.471	25.00	148.6
175	-0.151	34.643	-2.03	-0.157	293.9	83.57	0.079	11.91	27.826	32.546	27.827	0.05	26.659	25.98	173.3
200	0.157	34.735	-2.06	0.149	290.7	83.38	0.077	11.18	27.884	32.594	27.884	0.11	26.809	26.80	198.0
225	0.304	34.781	-2.08	0.295	291.4	83.94	0.075	11.32	27.913	32.618	27.913	0.05	26.930	27.52	222.8
250	0.393	34.810	-2.10	0.383	293.1	84.66	0.077	11.10	27.931	32.633	27.931	0.05	27.030	28.18	247.5
275	0.436	34.833	-2.12	0.425	292.9	84.69	0.075	11.18	27.947	32.648	27.948	0.04	27.112	28.81	272.2
300	0.442	34.851	-2.14	0.430	293.5	84.89	0.075	11.54	27.961	32.661	27.962	0.06	27.182	29.40	296.9
325	0.394	34.873	-2.16	0.381	293.7	84.85	0.074	12.20	27.982	32.684	27.983	0.05	27.243	29.96	321.6
350	0.374	34.880	-2.18	0.359	288.1	83.20	0.075	12.86	27.989	32.691	27.989	0.05	27.295	30.47	346.3
356	0.372	34.880	-2.18	0.358	289.8	83.70	0.073	13.15	27.988	32.691	27.989	0.04	27.307	30.59	352.2

NEWP 92 STA 47 CTD 80

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.420	31.454	-1.72	-1.420	377.6	101.22	0.219	263.60	25.291	30.076	25.291	0.07	25.291	0.00	0.0
2	-1.416	31.471	-1.72	-1.416	377.7	101.28	0.216	267.42	25.304	30.089	25.304	0.04	25.296	0.56	2.0
4	-1.425	31.484	-1.73	-1.425	376.9	101.05	0.274	278.94	25.315	30.100	25.315	-0.09	25.306	1.12	4.0
6	-1.411	31.542	-1.73	-1.411	378.8	101.65	0.244	251.36	25.362	30.146	25.362	0.80	25.310	1.68	6.0
8	-1.427	31.574	-1.73	-1.427	384.9	103.28	0.310	247.51	25.388	30.172	25.388	0.12	25.328	2.22	7.9
10	-1.440	31.588	-1.74	-1.441	382.6	102.63	0.286	247.41	25.400	30.184	25.400	-0.01	25.340	2.77	9.9
12	-1.428	31.545	-1.73	-1.428	382.7	102.64	0.428	252.75	25.365	30.149	25.365	0.15	25.345	3.31	11.9
14	-1.452	31.587	-1.74	-1.453	384.5	103.10	0.318	227.55	25.399	30.184	25.399	0.31	25.350	3.86	13.9
16	-1.485	31.682	-1.75	-1.486	380.2	101.94	0.373	154.98	25.477	30.262	25.477	0.07	25.363	4.39	15.9
18	-1.487	31.699	-1.75	-1.487	376.8	101.03	0.185	145.21	25.491	30.276	25.491	0.35	25.376	4.92	17.9
20	-1.472	31.776	-1.75	-1.472	375.4	100.75	0.246	141.33	25.553	30.336	25.553	0.13	25.392	5.43	19.8
22	-1.466	31.795	-1.76	-1.467	375.3	100.74	0.240	141.26	25.569	30.352	25.569	0.17	25.407	5.94	21.8
24	-1.468	31.815	-1.76	-1.468	374.7	100.61	0.170	140.27	25.585	30.368	25.585	0.11	25.421	6.45	23.8
26	-1.462	31.830	-1.76	-1.462	373.5	100.31	0.184	140.50	25.596	30.379	25.596	0.06	25.434	6.96	25.8
28	-1.462	31.836	-1.76	-1.463	371.4	99.75	0.163	139.43	25.601	30.384	25.601	0.06	25.446	7.46	27.8
30	-1.466	31.849	-1.76	-1.466	373.2	100.24	0.220	138.14	25.612	30.394	25.612	0.06	25.457	7.96	29.8
32	-1.467	31.854	-1.77	-1.468	372.6	100.07	0.164	135.64	25.616	30.399	25.616	0.02	25.467	8.46	31.7
34	-1.467	31.858	-1.77	-1.468	372.3	99.99	0.195	132.15	25.620	30.403	25.620	0.08	25.476	8.96	33.7
36	-1.467	31.857	-1.77	-1.468	372.9	100.16	0.175	131.17	25.618	30.401	25.618	0.10	25.483	9.46	35.7
38	-1.470	31.871	-1.77	-1.471	372.6	100.09	0.169	129.65	25.630	30.413	25.631	0.04	25.491	9.96	37.7
40	-1.473	31.887	-1.77	-1.474	371.6	99.81	0.257	126.25	25.643	30.426	25.643	0.10	25.498	10.45	39.7
45	-1.475	31.896	-1.78	-1.476	373.2	100.24	0.140	122.09	25.650	30.433	25.650	0.07	25.514	11.69	44.6
50	-1.475	31.895	-1.78	-1.476	369.8	99.32	0.161	122.09	25.649	30.432	25.649	0.15	25.528	12.92	49.6
55	-1.481	31.914	-1.79	-1.481	368.6	99.02	0.198	117.79	25.666	30.448	25.666	0.03	25.540	14.15	54.5
60	-1.477	31.903	-1.79	-1.478	366.1	98.34	0.154	121.18	25.656	30.439	25.657	0.09	25.550	15.37	59.5
65	-1.480	31.910	-1.79	-1.481	365.2	98.08	0.154	119.14	25.662	30.445	25.662	0.04	25.559	16.60	64.5
69	-1.481	31.910	-1.80	-1.482	366.3	98.38	0.157	119.37	25.662	30.444	25.662	0.04	25.565	17.58	68.4

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
48	81	04 AUG 92	1342	80 43.23	-8 49.16	58		

NEWP 92 STA 48 CTD 81

Press	Temp	Salnty	Frr.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.395	20.772	-1.13	-1.395	414.4	102.42	0.163	275.45	16.631	21.511	16.631	0.42	16.625	0.00	0.0
2	-1.407	21.524	-1.17	-1.407	414.1	102.88	0.222	271.34	17.240	22.114	17.240	7.07	16.787	2.24	2.0
4	-1.418	22.528	-1.23	-1.418	411.0	102.89	0.206	267.15	18.053	22.918	18.053	3.27	17.265	4.30	4.0
6	-1.424	23.326	-1.27	-1.424	410.3	103.31	0.342	267.07	18.700	23.558	18.700	2.97	17.643	6.22	6.0
8	-1.505	24.023	-1.31	-1.505	413.7	104.49	0.244	226.54	19.264	24.118	19.264	2.52	17.983	8.01	8.0
10	-1.541	24.602	-1.34	-1.541	411.6	104.34	0.275	149.50	19.734	24.584	19.734	2.65	18.287	9.71	10.0
12	-1.502	25.303	-1.38	-1.502	407.7	104.00	0.140	134.96	20.302	25.145	20.302	2.48	18.579	11.30	12.0
14	-1.482	26.007	-1.42	-1.482	404.3	103.76	0.218	135.87	20.873	25.708	20.873	2.65	18.867	12.78	14.0
16	-1.477	26.643	-1.46	-1.477	400.4	103.29	0.174	135.94	21.389	26.219	21.389	2.69	19.150	14.15	16.0
18	-1.459	27.383	-1.50	-1.459	397.1	103.07	0.143	137.16	21.989	26.811	21.989	2.91	19.433	15.41	18.0
20	-1.444	28.183	-1.55	-1.444	393.7	102.85	0.192	140.42	22.638	27.452	22.638	3.37	19.720	16.54	20.0
22	-1.441	28.826	-1.59	-1.441	392.3	103.00	0.191	142.78	23.159	27.968	23.159	2.44	20.010	17.56	21.9
24	-1.442	29.369	-1.62	-1.442	391.5	103.24	0.219	141.26	23.599	28.403	23.599	1.76	20.292	18.48	23.9
26	-1.430	29.792	-1.65	-1.430	390.7	103.38	0.258	146.20	23.942	28.742	23.942	1.54	20.560	19.34	25.9
28	-1.413	30.152	-1.67	-1.414	389.0	103.26	0.231	153.28	24.234	29.030	24.234	1.30	20.812	20.13	27.9
30	-1.405	30.433	-1.68	-1.405	388.1	103.28	0.229	158.47	24.462	29.255	24.462	1.77	21.047	20.87	29.9
32	-1.404	30.958	-1.72	-1.405	386.5	103.27	0.185	159.16	24.888	29.676	24.888	3.67	21.271	21.55	31.9
34	-1.395	31.782	-1.76	-1.396	384.5	103.42	0.188	165.05	25.556	30.337	25.556	0.33	21.508	22.09	33.9
36	-1.391	31.785	-1.77	-1.392	384.7	103.48	0.197	168.03	25.559	30.340	25.559	0.05	21.732	22.60	35.8
38	-1.391	31.785	-1.77	-1.391	385.2	103.62	0.181	167.88	25.558	30.339	25.558	0.03	21.933	23.11	37.8
40	-1.391	31.785	-1.77	-1.392	385.3	103.64	0.210	167.57	25.559	30.340	25.559	0.05	22.113	23.63	39.8
45	-1.389	31.785	-1.77	-1.390	385.9	103.80	0.318	168.34	25.559	30.339	25.559	0.05	22.495	24.90	44.8
50	-1.389	31.785	-1.78	-1.390	384.9	103.54	0.261	162.91	25.559	30.339	25.559	0.04	22.800	26.18	49.7
55	-1.385	31.786	-1.78	-1.386	383.1	103.08	0.223	162.45	25.559	30.340	25.559	0.04	23.051	27.46	54.7
58	-1.385	31.785	-1.78	-1.387	381.5	102.63	0.222	167.27	25.559	30.339	25.559	0.04	23.180	28.22	57.7

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
48	82	04 AUG 92	1534	80 47.00	-8 49.51	61	13	50

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	875	-1.453	31.386	-1.453	25.236		386.9	1.20	.03	.01	1.04	9.10
5	874	-1.513	31.428	-1.513	25.271		387.2	1.29	.04	.06	1.07	9.33
9	873	-1.490	31.516	-1.490	25.342		383.1	1.82	.05	.04	1.08	9.56
15	871	-1.446	31.711	-1.447	25.500		379.7	2.13	.05	.03	1.07	9.35
15	872	-1.433	31.730	-1.434	25.515		379.8	2.07	.05	.03	1.07	9.35
23	870	-1.391	31.797	-1.392	25.568		378.7	2.16	.05	.02	1.06	9.06
36	869	-1.371	31.817	-1.371	25.584		377.4	2.18	.05	.01	1.04	8.87
54	868	-1.364	31.819	-1.365	25.585		377.2	2.17	.05	.02	1.04	8.85

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	875	2.11	.41	8.6	1.5			50100			
5	874	2.00	.30	9.1	1.5			51400			
9	873	1.67	.30	7.1	1.2			58400			
15	871										
15	872	2.17	.48	6.2	1.3			53000			
23	870	1.76	.43	6.6	1.2			61300			
36	869	2.03	.36	5.0	1.1			71900			
54	868	1.82	.34	8.5	1.3			59500			

NEWP 92 STA 48 CTD 82															
Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.450	31.380	-1.72	-1.450	398.9	106.81	0.184	221.15	25.231	30.017	25.231	0.06	25.230	0.00	0.0
2	-1.455	31.390	-1.72	-1.455	395.9	105.99	0.185	207.72	25.239	30.026	25.239	0.10	25.234	0.57	2.0
4	-1.468	31.404	-1.72	-1.468	408.9	109.45	0.173	204.46	25.251	30.038	25.251	0.01	25.240	1.15	4.0
6	-1.475	31.433	-1.72	-1.475	383.7	102.69	0.200	166.35	25.275	30.062	25.275	0.12	25.246	1.72	6.0
8	-1.486	31.456	-1.73	-1.487	382.9	102.47	0.140	170.72	25.294	30.081	25.294	0.19	25.254	2.28	7.9
10	-1.476	31.629	-1.74	-1.476	382.3	102.47	0.186	142.09	25.434	30.219	25.434	1.07	25.270	2.83	9.9
12	-1.463	31.658	-1.74	-1.463	382.7	102.65	0.154	139.89	25.457	30.242	25.458	0.41	25.301	3.37	11.9
14	-1.444	31.713	-1.75	-1.444	383.3	102.89	0.182	148.79	25.501	30.285	25.501	0.06	25.328	3.89	13.9
16	-1.429	31.734	-1.75	-1.429	380.6	102.23	0.205	148.56	25.518	30.300	25.518	0.12	25.351	4.41	15.9
18	-1.414	31.753	-1.75	-1.414	380.4	102.25	0.240	152.67	25.533	30.315	25.533	0.16	25.370	4.93	17.9
20	-1.399	31.783	-1.75	-1.400	380.3	102.26	0.183	159.16	25.557	30.338	25.557	0.08	25.388	5.44	19.8
22	-1.396	31.786	-1.75	-1.396	381.0	102.49	0.232	163.21	25.559	30.340	25.559	0.07	25.403	5.95	21.8
24	-1.391	31.791	-1.76	-1.391	377.1	101.44	0.274	169.26	25.563	30.344	25.563	0.14	25.417	6.46	23.8
26	-1.383	31.803	-1.76	-1.384	377.2	101.51	0.173	170.48	25.573	30.354	25.573	0.04	25.428	6.97	25.8
28	-1.378	31.806	-1.76	-1.379	377.3	101.53	0.232	169.56	25.576	30.356	25.576	0.08	25.439	7.48	27.8
30	-1.376	31.810	-1.76	-1.377	377.3	101.56	0.324	169.79	25.579	30.359	25.579	0.08	25.448	7.99	29.8
32	-1.374	31.813	-1.76	-1.374	377.4	101.59	0.322	171.56	25.580	30.361	25.580	0.06	25.456	8.49	31.7
34	-1.373	31.813	-1.77	-1.374	378.4	101.87	0.201	170.10	25.581	30.361	25.581	0.05	25.464	9.00	33.7
36	-1.370	31.815	-1.77	-1.370	380.7	102.50	0.206	172.71	25.582	30.362	25.582	0.07	25.470	9.51	35.7
38	-1.368	31.818	-1.77	-1.369	378.7	101.95	0.186	170.64	25.585	30.365	25.585	0.04	25.476	10.01	37.7
40	-1.371	31.816	-1.77	-1.372	378.1	101.79	0.320	172.02	25.583	30.363	25.583	0.05	25.482	10.52	39.7
45	-1.369	31.817	-1.77	-1.370	377.9	101.75	0.188	170.10	25.584	30.364	25.584	0.06	25.493	11.78	44.6
50	-1.366	31.817	-1.78	-1.367	377.1	101.54	0.217	171.71	25.584	30.364	25.584	0.05	25.502	13.05	49.6
55	-1.362	31.820	-1.78	-1.363	380.4	102.43	0.257	174.63	25.586	30.366	25.587	0.05	25.510	14.31	54.6
60	-1.361	31.820	-1.79	-1.362	379.6	102.23	0.251	176.47	25.586	30.366	25.587	0.04	25.516	15.57	59.5
61	-1.361	31.820	-1.79	-1.362	379.6	102.24	0.251	176.47	25.586	30.366	25.586	0.04	25.517	15.83	60.5

NEWP 92 STA 49 CTD 83

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.382	31.576	-1.73	-1.382	332.4	89.28	0.125	179.54	25.389	30.171	25.389	0.05	25.389	0.00	0.0
2	-1.391	31.631	-1.73	-1.391	338.3	90.88	0.177	181.54	25.433	30.215	25.433	0.80	25.396	0.54	2.0
4	-1.378	31.711	-1.74	-1.378	350.1	94.15	0.115	183.00	25.498	30.279	25.498	0.11	25.441	1.07	4.0
6	-1.371	31.730	-1.74	-1.371	363.8	97.86	0.175	187.54	25.513	30.294	25.513	0.08	25.463	1.59	6.0
8	-1.379	31.739	-1.74	-1.379	368.1	99.02	0.125	192.25	25.521	30.302	25.521	0.08	25.477	2.11	7.9
10	-1.382	31.748	-1.74	-1.382	371.2	99.84	0.159	197.19	25.528	30.309	25.528	0.09	25.486	2.63	9.9
12	-1.382	31.749	-1.75	-1.382	372.5	100.21	0.238	197.27	25.529	30.310	25.529	0.06	25.493	3.14	11.9
14	-1.385	31.754	-1.75	-1.385	375.1	100.88	0.230	202.37	25.533	30.314	25.533	0.06	25.499	3.66	13.9
16	-1.388	31.756	-1.75	-1.388	377.8	101.61	0.212	202.83	25.535	30.316	25.535	0.06	25.503	4.17	15.9
18	-1.387	31.763	-1.75	-1.387	377.8	101.62	0.280	201.05	25.540	30.321	25.540	0.06	25.507	4.69	17.9
20	-1.386	31.765	-1.75	-1.387	378.5	101.80	0.257	195.88	25.542	30.323	25.542	0.06	25.510	5.20	19.8
22	-1.383	31.771	-1.75	-1.383	378.9	101.93	0.254	194.18	25.547	30.328	25.547	0.10	25.513	5.72	21.8
24	-1.362	31.806	-1.76	-1.362	378.7	101.96	0.226	188.16	25.574	30.354	25.574	0.05	25.517	6.23	23.8
26	-1.336	31.837	-1.76	-1.337	378.8	102.09	0.221	188.08	25.599	30.378	25.599	0.06	25.522	6.73	25.8
28	-1.330	31.840	-1.76	-1.331	377.6	101.78	0.224	189.16	25.602	30.380	25.602	0.11	25.528	7.24	27.8
30	-1.325	31.846	-1.76	-1.326	375.7	101.29	0.211	190.17	25.606	30.385	25.606	0.01	25.533	7.74	29.8
32	-1.328	31.844	-1.77	-1.329	375.2	101.16	0.245	184.77	25.605	30.384	25.605	0.09	25.537	8.24	31.7
34	-1.310	31.873	-1.77	-1.310	374.4	101.01	0.235	183.23	25.628	30.406	25.628	0.12	25.542	8.74	33.7
36	-1.310	31.880	-1.77	-1.311	375.1	101.20	0.306	181.31	25.633	30.411	25.633	0.08	25.547	9.24	35.7
38	-1.330	31.892	-1.77	-1.331	377.1	101.69	0.266	171.86	25.644	30.422	25.644	0.10	25.552	9.73	37.7
40	-1.331	31.893	-1.77	-1.332	377.4	101.77	0.188	168.03	25.645	30.423	25.645	0.04	25.557	10.22	39.7
45	-1.351	31.902	-1.78	-1.352	375.8	101.28	0.220	159.16	25.652	30.431	25.652	0.09	25.567	11.46	44.6
50	-1.392	31.920	-1.78	-1.393	373.6	100.60	0.218	139.28	25.669	30.448	25.669	0.07	25.576	12.69	49.6
55	-1.402	31.926	-1.79	-1.403	374.1	100.70	0.174	134.50	25.673	30.453	25.673	0.07	25.584	13.91	54.5
60	-1.460	31.960	-1.79	-1.461	371.4	99.84	0.111	101.00	25.702	30.483	25.702	0.10	25.593	15.12	59.5
65	-1.496	31.996	-1.80	-1.497	368.0	98.88	0.091	75.66	25.733	30.515	25.733	0.10	25.603	16.32	64.5
70	-1.505	32.039	-1.81	-1.506	366.1	98.36	0.071	60.71	25.767	30.550	25.767	0.17	25.613	17.51	69.4
75	-1.311	32.672	-1.85	-1.313	352.0	95.55	0.063	47.47	26.276	31.047	26.276	0.73	25.635	18.59	74.4
76	-1.292	32.740	-1.85	-1.294	349.6	95.00	0.061	46.21	26.331	31.100	26.331	0.48	25.644	18.77	75.4

NEWP 92 STA 49 CTD 84															
Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox‡	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.273	31.719	-1.74	-1.273	366.2	98.78	0.088	188.47	25.502	30.280	25.502	0.04	25.502	0.00	0.0
2	-1.274	31.730	-1.74	-1.274	368.2	99.32	0.085	185.39	25.511	30.288	25.511	0.15	25.504	0.52	2.0
4	-1.268	31.740	-1.74	-1.268	372.4	100.49	0.118	188.47	25.519	30.297	25.519	0.08	25.510	1.04	4.0
6	-1.290	31.743	-1.74	-1.290	378.3	102.01	0.111	191.01	25.522	30.300	25.522	0.06	25.514	1.56	6.0
8	-1.294	31.744	-1.74	-1.294	382.4	103.10	0.096	191.94	25.523	30.301	25.523	0.05	25.516	2.08	7.9
10	-1.304	31.747	-1.74	-1.304	382.1	102.99	0.105	194.49	25.526	30.304	25.526	0.06	25.518	2.59	9.9
12	-1.338	31.765	-1.75	-1.338	382.9	103.12	0.170	200.05	25.541	30.320	25.541	0.13	25.520	3.11	11.9
14	-1.346	31.775	-1.75	-1.347	382.7	103.08	0.120	201.60	25.549	30.329	25.549	0.07	25.524	3.62	13.9
16	-1.345	31.777	-1.75	-1.346	382.8	103.10	0.248	205.00	25.551	30.331	25.551	0.09	25.527	4.14	15.9
18	-1.348	31.785	-1.75	-1.349	385.5	103.81	0.241	201.36	25.557	30.337	25.557	0.07	25.530	4.65	17.9
20	-1.351	31.787	-1.75	-1.351	384.5	103.56	0.167	203.61	25.559	30.339	25.559	0.04	25.533	5.16	19.8
22	-1.352	31.794	-1.76	-1.352	381.2	102.66	0.500	200.20	25.565	30.345	25.565	0.09	25.536	5.67	21.8
24	-1.350	31.797	-1.76	-1.351	380.8	102.57	0.297	199.74	25.567	30.347	25.567	0.04	25.538	6.18	23.8
26	-1.347	31.807	-1.76	-1.347	381.1	102.65	0.280	195.80	25.575	30.354	25.575	0.08	25.541	6.69	25.8
28	-1.339	31.819	-1.76	-1.340	379.7	102.31	0.292	192.71	25.585	30.364	25.585	0.09	25.544	7.19	27.8
30	-1.333	31.828	-1.76	-1.333	377.7	101.81	0.166	195.03	25.592	30.371	25.592	0.07	25.547	7.70	29.8
32	-1.321	31.845	-1.77	-1.321	375.8	101.32	0.358	190.78	25.605	30.383	25.605	0.07	25.550	8.20	31.7
34	-1.319	31.855	-1.77	-1.320	376.5	101.54	0.237	184.93	25.614	30.392	25.614	0.12	25.553	8.70	33.7
36	-1.330	31.870	-1.77	-1.331	379.8	102.40	0.239	176.08	25.626	30.404	25.626	0.09	25.557	9.20	35.7
38	-1.336	31.876	-1.77	-1.337	378.5	102.05	0.150	175.09	25.631	30.409	25.631	0.11	25.561	9.70	37.7
40	-1.348	31.892	-1.77	-1.349	377.7	101.80	0.218	163.52	25.644	30.423	25.644	0.11	25.565	10.19	39.7
45	-1.446	31.962	-1.78	-1.447	378.4	101.78	0.168	100.26	25.703	30.484	25.703	0.17	25.576	11.42	44.6
50	-1.469	31.979	-1.79	-1.470	376.5	101.21	0.091	87.82	25.718	30.500	25.718	0.15	25.590	12.62	49.6
55	-1.485	31.993	-1.79	-1.486	374.5	100.65	0.097	76.77	25.730	30.511	25.730	0.04	25.603	13.81	54.5
60	-1.487	31.998	-1.80	-1.488	373.3	100.31	0.076	75.80	25.734	30.516	25.734	0.03	25.614	15.00	59.5
65	-1.497	32.025	-1.80	-1.498	368.9	99.13	0.101	64.50	25.756	30.538	25.756	0.11	25.624	16.19	64.5
70	-1.498	32.029	-1.80	-1.499	368.1	98.90	0.081	60.94	25.759	30.541	25.759	0.03	25.634	17.36	69.4
75	-1.498	32.038	-1.81	-1.499	368.7	99.09	0.138	58.79	25.766	30.548	25.766	0.04	25.643	18.54	74.4

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
50	85	06 AUG 92	0756	80 36.37	-7 54.67	101	18	71

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	904	-1.569	31.223	-1.569	25.106		384.5	1.98	.04	.07	1.16	11.62
8	903	-1.573	31.236	-1.573	25.117		385.2	2.05	.03	.10	1.17	11.67
13	902	-1.594	31.359	-1.594	25.217		382.3	2.47	.04	.09	1.19	11.86
21	901	-1.648	31.604	-1.648	25.417		379.3	2.95	.04	.13	1.22	12.13
33	900	-1.696	31.847	-1.697	25.616		362.7	4.69	.03	.06	1.26	13.12
50	899	-1.536	32.799	-1.537	26.385		332.5	7.92	.03	.09	1.23	15.27
75	898	-.839	34.023	-.841	27.355		299.3	10.90	.03	.07	1.07	11.58
84	897	-.837	34.034	-.839	27.364		297.6	11.09	.03	.07	1.05	11.33
95	896	-.827	34.048	-.829	27.375	34.035	297.5	11.15	.02	.08	1.05	11.30

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	904	1.14	.53	5.9	1.0			53700			
8	903	1.20	.64	7.5	1.1			51200			
13	902	.82	.41	4.4	.8			51700			
21	901	.34	.69	1.9	.4			55300			
33	900	.18	.10	2.1	.1			26100			
50	899	.07	.08	2.5	.1			34100			
75	898	.06	.09	.8	.1			25400			
84	897	.07	.14	1.1	.1						
95	896	.07	.13	3.5	.1						

	NEWP 92							STA 50	CTD 85						
Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.514	30.994	-1.69	-1.514	366.1	97.55	0.164	119.37	24.920	29.711	24.920	0.04	24.920	0.00	0.0
2	-1.529	31.035	-1.70	-1.529	367.5	97.91	0.163	115.98	24.953	29.745	24.953	0.64	24.925	0.63	2.0
4	-1.576	31.115	-1.70	-1.576	370.0	98.50	0.162	111.68	25.018	29.811	25.018	0.22	24.962	1.25	4.0
6	-1.564	31.115	-1.71	-1.564	372.2	99.14	0.153	114.02	25.018	29.810	25.018	0.00	24.983	1.87	6.0
8	-1.578	31.136	-1.71	-1.578	374.8	99.79	0.161	113.04	25.036	29.828	25.036	0.12	24.994	2.48	7.9
10	-1.581	31.159	-1.71	-1.581	376.1	100.17	0.164	109.72	25.054	29.846	25.054	0.16	25.004	3.09	9.9
12	-1.584	31.192	-1.71	-1.584	376.8	100.36	0.176	104.53	25.081	29.873	25.081	0.21	25.014	3.70	11.9
14	-1.590	31.254	-1.72	-1.590	378.2	100.76	0.161	95.30	25.131	29.923	25.131	0.38	25.027	4.30	13.9
16	-1.597	31.283	-1.72	-1.597	379.3	101.06	0.142	88.19	25.155	29.947	25.155	0.09	25.042	4.89	15.9
18	-1.606	31.337	-1.73	-1.607	380.3	101.35	0.142	78.86	25.199	29.991	25.199	0.30	25.057	5.48	17.9
20	-1.616	31.387	-1.73	-1.616	380.4	101.38	0.129	73.57	25.240	30.031	25.240	0.30	25.074	6.05	19.8
22	-1.631	31.454	-1.74	-1.631	379.6	101.18	0.127	63.01	25.295	30.086	25.295	0.29	25.091	6.62	21.8
24	-1.643	31.521	-1.74	-1.643	379.6	101.19	0.118	56.93	25.350	30.141	25.350	0.34	25.110	7.18	23.8
26	-1.662	31.614	-1.75	-1.663	379.7	101.24	0.096	46.28	25.425	30.216	25.425	0.19	25.132	7.72	25.8
28	-1.669	31.643	-1.75	-1.669	379.8	101.27	0.101	43.19	25.449	30.240	25.449	0.21	25.154	8.25	27.8
30	-1.687	31.726	-1.76	-1.688	379.4	101.18	0.086	36.33	25.517	30.307	25.517	0.20	25.176	8.78	29.8
32	-1.696	31.767	-1.76	-1.696	379.0	101.08	0.070	31.33	25.550	30.341	25.550	0.20	25.198	9.29	31.7
34	-1.698	31.820	-1.77	-1.699	378.0	100.84	0.067	28.76	25.594	30.384	25.594	0.45	25.220	9.80	33.7
36	-1.673	31.910	-1.77	-1.673	377.4	100.85	0.062	27.66	25.667	30.455	25.667	0.28	25.244	10.30	35.7
38	-1.656	31.960	-1.78	-1.657	376.2	100.59	0.063	27.44	25.706	30.494	25.706	0.28	25.267	10.78	37.7
40	-1.647	31.995	-1.78	-1.648	375.6	100.50	0.062	27.95	25.735	30.521	25.735	0.14	25.290	11.26	39.7
45	-1.583	32.133	-1.79	-1.583	367.6	98.62	0.059	27.88	25.845	30.629	25.845	0.49	25.346	12.42	44.6
50	-1.589	32.519	-1.82	-1.590	360.3	96.94	0.055	24.79	26.159	30.940	26.159	0.19	25.413	13.47	49.6
55	-1.481	32.865	-1.84	-1.482	349.0	94.44	0.125	22.96	26.438	31.212	26.438	0.38	25.490	14.40	54.6
60	-1.238	33.142	-1.86	-1.239	340.4	92.93	0.053	30.74	26.655	31.419	26.655	0.74	25.576	15.21	59.5
65	-1.035	33.498	-1.88	-1.036	333.2	91.71	0.053	31.26	26.937	31.692	26.937	0.56	25.669	15.88	64.5
70	-0.922	33.723	-1.90	-0.924	326.1	90.17	0.050	29.05	27.115	31.865	27.115	0.06	25.767	16.44	69.4
75	-0.835	33.958	-1.92	-0.837	319.5	88.72	0.049	24.79	27.303	32.048	27.303	0.37	25.862	16.92	74.4
80	-0.839	34.026	-1.93	-0.841	315.3	87.59	0.049	23.77	27.358	32.102	27.358	0.06	25.955	17.33	79.3
85	-0.837	34.031	-1.93	-0.839	310.9	86.38	0.049	23.62	27.362	32.106	27.362	0.06	26.037	17.74	84.3
90	-0.834	34.036	-1.93	-0.837	306.2	85.09	0.049	23.77	27.365	32.110	27.366	0.04	26.111	18.14	89.2
95	-0.826	34.051	-1.94	-0.829	304.5	84.64	0.051	23.25	27.377	32.121	27.377	0.05	26.177	18.54	94.2
100	-0.819	34.056	-1.94	-0.822	301.8	83.90	0.047	22.81	27.381	32.125	27.381	0.03	26.237	18.94	99.1
101	-0.822	34.052	-1.94	-0.825	301.6	83.83	0.049	23.40	27.378	32.122	27.378	0.03	26.248	19.01	100.1

NEWP 92 STA 51 CTD 86

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.011	30.740	-1.68	-1.011	377.1	101.67	0.190	412.04	24.702	29.481	24.702	0.06	24.702	0.00	0.0
2	-0.991	30.777	-1.68	-0.991	379.1	102.29	0.201	414.59	24.731	29.509	24.731	0.43	24.711	0.68	2.0
4	-0.961	30.873	-1.69	-0.961	383.5	103.64	0.164	400.41	24.809	29.584	24.809	0.10	24.747	1.34	4.0
6	-0.914	30.960	-1.70	-0.914	386.9	104.78	0.222	416.24	24.877	29.651	24.877	1.98	24.764	2.00	6.0
8	-1.016	31.098	-1.71	-1.016	392.7	106.16	0.288	458.95	24.992	29.767	24.992	2.30	24.802	2.63	7.9
10	-1.086	31.281	-1.72	-1.086	396.3	107.08	0.393	453.07	25.142	29.918	25.142	0.95	24.863	3.23	9.9
12	-1.312	31.469	-1.73	-1.312	402.9	108.34	0.768	423.10	25.300	30.081	25.300	0.42	24.926	3.80	11.9
14	-1.387	31.569	-1.74	-1.387	406.5	109.18	0.879	465.19	25.383	30.166	25.383	0.21	24.986	4.35	13.9
16	-1.437	31.611	-1.74	-1.438	408.2	109.52	0.710	438.26	25.419	30.202	25.419	0.90	25.035	4.90	15.9
18	-1.537	31.719	-1.75	-1.537	409.4	109.64	1.008	350.94	25.508	30.294	25.508	0.31	25.085	5.43	17.9
20	-1.396	31.875	-1.76	-1.397	405.4	109.10	0.521	251.34	25.632	30.412	25.632	0.62	25.133	5.93	19.8
22	-1.228	31.974	-1.77	-1.228	400.3	108.32	0.441	277.74	25.708	30.482	25.708	1.03	25.181	6.43	21.8
24	-1.350	31.990	-1.77	-1.351	400.5	108.01	0.464	219.72	25.724	30.502	25.724	0.19	25.226	6.90	23.8
26	-1.167	32.097	-1.78	-1.167	395.8	107.39	0.428	291.77	25.806	30.577	25.806	0.26	25.268	7.37	25.8
28	-1.005	32.109	-1.78	-1.005	393.0	107.09	0.658	354.74	25.811	30.577	25.811	0.04	25.306	7.84	27.8
30	-1.061	32.096	-1.78	-1.062	394.1	107.24	0.545	357.06	25.802	30.570	25.802	0.04	25.340	8.30	29.8
32	-1.322	32.090	-1.78	-1.323	402.1	108.63	0.469	214.25	25.804	30.580	25.804	0.31	25.368	8.76	31.7
34	-1.299	32.183	-1.79	-1.300	403.2	109.08	0.350	185.00	25.879	30.653	25.879	0.65	25.396	9.22	33.7
36	-1.213	32.278	-1.79	-1.213	400.9	108.78	0.294	210.16	25.954	30.725	25.954	0.25	25.425	9.66	35.7
38	-1.248	32.296	-1.80	-1.249	400.4	108.56	0.354	245.05	25.969	30.741	25.969	0.06	25.454	10.09	37.7
40	-1.351	32.310	-1.80	-1.352	399.1	107.91	0.393	228.63	25.984	30.759	25.984	0.09	25.480	10.52	39.7
45	-1.481	32.326	-1.80	-1.482	399.4	107.61	0.319	150.01	26.000	30.779	26.000	0.05	25.537	11.59	44.6
50	-1.568	32.342	-1.81	-1.568	392.7	105.57	0.394	79.68	26.015	30.796	26.015	0.14	25.583	12.65	49.6
55	-1.636	32.422	-1.82	-1.636	385.9	103.62	0.086	52.64	26.081	30.864	26.081	0.23	25.625	13.69	54.5
60	-1.662	32.504	-1.83	-1.663	377.2	101.26	0.078	46.29	26.148	30.931	26.149	0.26	25.666	14.69	59.5
65	-1.573	32.627	-1.84	-1.574	368.5	99.29	0.072	31.18	26.246	31.025	26.246	0.18	25.708	15.65	64.5
70	-1.544	32.769	-1.85	-1.545	360.0	97.18	0.060	25.53	26.361	31.138	26.361	0.45	25.751	16.56	69.4
75	-1.408	32.901	-1.86	-1.410	351.9	95.43	0.061	24.79	26.465	31.236	26.465	0.07	25.796	17.41	74.4
80	-1.271	33.171	-1.88	-1.273	342.1	93.31	0.065	31.33	26.680	31.445	26.680	0.44	25.843	18.21	79.3
85	-1.174	33.307	-1.89	-1.176	334.5	91.57	0.060	39.06	26.787	31.548	26.787	0.05	25.896	18.91	84.3
90	-1.142	33.377	-1.90	-1.144	330.0	90.48	0.061	42.01	26.843	31.602	26.843	0.23	25.947	19.58	89.2
95	-0.987	33.680	-1.92	-0.989	324.7	89.60	0.062	35.89	27.083	31.835	27.083	0.48	26.000	20.17	94.2
100	-0.700	34.027	-1.94	-0.703	317.8	88.62	0.059	32.51	27.353	32.094	27.353	0.20	26.063	20.62	99.1
105	-0.568	34.165	-1.95	-0.571	312.7	87.59	0.056	29.49	27.459	32.195	27.459	0.07	26.127	20.99	104.1
110	-0.489	34.226	-1.96	-0.492	308.7	86.72	0.058	30.37	27.505	32.238	27.505	0.26	26.189	21.34	109.0
115	-0.366	34.332	-1.97	-0.370	305.2	86.07	0.058	28.76	27.585	32.313	27.585	0.40	26.248	21.65	114.0
120	-0.280	34.394	-1.98	-0.284	303.3	85.78	0.055	25.75	27.631	32.356	27.631	0.14	26.305	21.93	118.9
125	-0.219	34.416	-1.98	-0.223	302.8	85.79	0.056	27.66	27.646	32.369	27.646	0.07	26.358	22.20	123.9
150	0.076	34.594	-2.01	0.071	297.7	85.13	0.055	28.54	27.774	32.487	27.774	0.04	26.586	23.33	148.6
175	0.337	34.727	-2.04	0.330	294.3	84.81	0.054	42.82	27.867	32.572	27.867	0.05	26.762	24.25	173.3
200	0.366	34.744	-2.06	0.358	291.1	83.96	0.054	48.87	27.879	32.583	27.880	0.05	26.901	25.03	198.0
225	0.397	34.772	-2.08	0.388	289.7	83.65	0.055	61.24	27.900	32.603	27.900	0.04	27.010	25.78	222.7
249	0.421	34.815	-2.10	0.411	283.8	82.01	0.054	115.22	27.934	32.635	27.934	0.04	27.099	26.41	246.5

NEWP 92 STA 52 CID 87

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.973	30.635	-1.67	-0.973	-9.0	-9.00	0.225	480.07	24.616	29.394	24.616	0.08	24.616	0.00	0.0
2	-0.991	30.724	-1.68	-0.991	-9.0	-9.00	0.177	482.68	24.688	29.466	24.688	1.03	24.636	0.69	2.0
4	-0.958	30.855	-1.69	-0.958	-9.0	-9.00	0.223	507.48	24.794	29.569	24.794	0.70	24.694	1.36	4.0
6	-1.054	30.939	-1.70	-1.054	-9.0	-9.00	0.282	517.95	24.865	29.642	24.865	0.25	24.743	2.01	6.0
8	-1.299	31.016	-1.70	-1.299	-9.0	-9.00	0.370	471.52	24.933	29.718	24.933	0.37	24.781	2.65	7.9
10	-1.347	31.146	-1.71	-1.347	-9.0	-9.00	0.676	469.95	25.039	29.825	25.039	0.81	24.821	3.27	9.9
12	-1.397	31.387	-1.73	-1.397	-9.0	-9.00	0.730	450.36	25.236	30.020	25.236	0.56	24.875	3.86	11.9
14	-1.432	31.437	-1.73	-1.432	-9.0	-9.00	0.722	426.26	25.277	30.062	25.277	0.11	24.931	4.43	13.9
16	-1.456	31.458	-1.73	-1.456	-9.0	-9.00	0.730	394.09	25.295	30.080	25.295	0.13	24.975	4.99	15.9
18	-1.473	31.477	-1.74	-1.473	-9.0	-9.00	0.872	382.09	25.311	30.097	25.311	0.18	25.012	5.55	17.9
20	-1.541	31.565	-1.74	-1.542	-9.0	-9.00	0.629	290.61	25.383	30.170	25.383	0.29	25.045	6.11	19.8
22	-1.606	31.665	-1.75	-1.607	-9.0	-9.00	0.502	158.87	25.465	30.254	25.465	0.76	25.079	6.65	21.8
24	-1.644	31.798	-1.76	-1.644	364.7	97.42	0.191	61.01	25.574	30.363	25.574	0.26	25.117	7.16	23.8
26	-1.645	31.809	-1.76	-1.645	372.2	99.45	0.123	59.60	25.584	30.372	25.584	0.09	25.152	7.67	25.8
28	-1.645	31.813	-1.76	-1.645	374.3	100.02	0.107	58.56	25.587	30.376	25.587	0.05	25.183	8.17	27.8
30	-1.645	31.818	-1.76	-1.645	374.6	100.10	0.103	58.71	25.591	30.379	25.591	0.07	25.210	8.68	29.8
32	-1.646	31.853	-1.77	-1.646	373.7	99.88	0.097	53.01	25.619	30.408	25.619	0.37	25.235	9.18	31.7
34	-1.649	31.936	-1.77	-1.649	374.8	100.23	0.107	46.73	25.687	30.474	25.687	0.43	25.260	9.67	33.7
36	-1.651	31.984	-1.78	-1.652	373.9	100.02	0.088	43.04	25.726	30.513	25.726	0.09	25.285	10.15	35.7
38	-1.652	31.989	-1.78	-1.652	373.9	100.02	0.089	41.56	25.730	30.517	25.730	0.08	25.308	10.63	37.7
40	-1.654	32.035	-1.78	-1.655	372.3	99.62	0.088	38.54	25.768	30.555	25.768	0.26	25.330	11.10	39.7
45	-1.642	32.116	-1.79	-1.642	369.3	98.92	0.092	35.74	25.833	30.619	25.833	0.18	25.382	12.26	44.6
50	-1.644	32.200	-1.80	-1.644	367.0	98.36	0.075	33.76	25.901	30.686	25.901	0.25	25.431	13.39	49.6
55	-1.611	32.297	-1.81	-1.612	365.5	98.12	0.071	35.30	25.979	30.762	25.979	0.21	25.477	14.48	54.6
60	-1.514	32.423	-1.82	-1.515	362.1	97.56	0.072	48.28	26.079	30.858	26.079	0.15	25.523	15.53	59.5
65	-1.447	32.581	-1.83	-1.448	360.9	97.53	0.066	43.33	26.206	30.982	26.206	0.20	25.570	16.52	64.5
70	-1.351	32.739	-1.85	-1.352	357.7	97.04	0.088	43.63	26.331	31.103	26.332	0.78	25.618	17.46	69.4
75	-1.273	33.006	-1.87	-1.275	353.0	96.17	0.070	48.36	26.546	31.313	26.546	0.71	25.674	18.30	74.4
80	-1.207	33.192	-1.88	-1.209	346.1	94.59	0.075	31.62	26.695	31.458	26.695	0.18	25.734	19.05	79.3
85	-1.126	33.357	-1.89	-1.128	337.3	92.50	0.065	37.95	26.826	31.585	26.826	0.22	25.795	19.74	84.3
90	-1.043	33.558	-1.91	-1.045	328.9	90.54	0.061	43.55	26.986	31.741	26.986	0.32	25.856	20.36	89.2
95	-0.971	33.756	-1.92	-0.974	326.3	90.14	0.062	37.88	27.144	31.895	27.144	0.29	25.921	20.90	94.2
100	-0.922	33.880	-1.93	-0.924	318.1	88.07	0.058	28.46	27.243	31.991	27.243	0.51	25.984	21.38	99.1
105	-0.740	34.035	-1.95	-0.743	309.0	86.07	0.057	25.75	27.361	32.102	27.361	0.19	26.048	21.80	104.1
110	-0.505	34.174	-1.96	-0.508	304.6	85.47	0.056	31.48	27.463	32.197	27.464	0.22	26.110	22.18	109.0
115	-0.359	34.279	-1.97	-0.363	303.8	85.65	0.055	31.84	27.542	32.270	27.542	0.13	26.171	22.50	114.0
120	-0.360	34.337	-1.98	-0.364	303.2	85.52	0.056	28.98	27.589	32.317	27.589	0.06	26.229	22.81	118.9
125	-0.355	34.346	-1.98	-0.359	300.6	84.82	0.054	29.64	27.596	32.324	27.596	0.06	26.284	23.10	123.9
150	-0.257	34.528	-2.01	-0.262	296.8	84.08	0.054	20.98	27.738	32.462	27.739	0.07	26.516	24.35	148.6
175	0.009	34.629	-2.03	0.002	295.4	84.32	0.053	20.98	27.806	32.521	27.806	0.06	26.697	25.35	173.3
200	0.166	34.695	-2.06	0.158	294.7	84.54	0.053	21.64	27.851	32.561	27.852	0.07	26.838	26.23	198.0
225	0.362	34.783	-2.08	0.353	288.4	83.19	0.052	20.61	27.911	32.614	27.911	0.10	26.954	27.00	222.8
250	0.430	34.827	-2.10	0.420	286.0	82.70	0.053	82.14	27.942	32.644	27.943	0.05	27.052	27.65	247.5
255	0.430	34.828	-2.10	0.419	287.1	83.00	0.053	87.57	27.943	32.644	27.944	0.04	27.069	27.77	252.4

NEWP 92 STA 53 CTD 88

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.426	31.402	-1.72	-0.426	376.1	103.54	0.182	345.64	25.219	29.974	25.219	0.02	25.220	0.00	0.0
2	-0.619	31.518	-1.73	-0.619	381.1	104.47	0.214	356.50	25.320	30.080	25.320	1.19	25.244	0.57	2.0
4	-0.670	31.529	-1.73	-0.670	383.8	105.08	0.410	313.86	25.331	30.092	25.331	0.01	25.290	1.13	4.0
6	-0.445	31.525	-1.73	-0.445	384.8	105.99	0.231	301.02	25.319	30.074	25.319	0.01	25.303	1.68	6.0
8	-0.863	31.524	-1.73	-0.863	390.7	106.42	0.248	329.46	25.333	30.100	25.333	0.77	25.306	2.24	7.9
10	-0.826	31.556	-1.73	-0.827	388.7	105.98	0.499	384.40	25.357	30.123	25.357	0.04	25.317	2.79	9.9
12	-1.096	31.548	-1.73	-1.096	392.4	106.21	0.403	341.22	25.359	30.133	25.359	0.31	25.323	3.34	11.9
14	-1.200	31.595	-1.74	-1.200	394.4	106.49	0.426	381.36	25.399	30.176	25.399	0.06	25.333	3.88	13.9
16	-1.439	31.613	-1.74	-1.439	395.9	106.23	0.382	295.16	25.420	30.204	25.420	0.35	25.341	4.43	15.9
18	-1.470	31.637	-1.74	-1.470	395.8	106.12	0.418	280.52	25.440	30.225	25.440	0.08	25.351	4.96	17.9
20	-1.503	31.660	-1.75	-1.503	396.3	106.18	0.398	225.75	25.460	30.245	25.460	0.19	25.361	5.49	19.8
22	-1.518	31.690	-1.75	-1.518	395.6	105.96	0.328	205.62	25.484	30.270	25.484	0.14	25.371	6.02	21.8
24	-1.525	31.730	-1.75	-1.526	394.6	105.71	0.271	180.47	25.517	30.302	25.517	0.21	25.382	6.54	23.8
26	-1.542	31.778	-1.76	-1.543	392.0	105.01	0.240	163.90	25.556	30.342	25.556	0.15	25.394	7.06	25.8
28	-1.546	31.812	-1.76	-1.547	387.8	103.90	0.268	136.25	25.584	30.369	25.584	0.21	25.406	7.57	27.8
30	-1.546	31.839	-1.76	-1.546	386.0	103.44	0.153	121.05	25.606	30.391	25.606	0.32	25.419	8.07	29.8
32	-1.554	31.908	-1.77	-1.554	383.5	102.81	0.118	81.25	25.662	30.447	25.662	0.22	25.433	8.56	31.7
34	-1.519	31.941	-1.77	-1.520	381.6	102.41	0.133	95.23	25.688	30.472	25.688	0.12	25.447	9.05	33.7
36	-1.546	31.958	-1.78	-1.547	379.2	101.71	0.103	83.34	25.703	30.487	25.703	0.13	25.461	9.54	35.7
38	-1.552	31.976	-1.78	-1.553	376.2	100.90	0.149	68.14	25.718	30.502	25.718	0.09	25.474	10.02	37.7
40	-1.543	31.999	-1.78	-1.543	375.5	100.77	0.146	66.21	25.735	30.519	25.735	0.21	25.486	10.50	39.7
45	-1.534	32.047	-1.79	-1.534	374.8	100.64	0.103	64.05	25.774	30.557	25.774	0.23	25.516	11.68	44.6
50	-1.531	32.147	-1.80	-1.532	372.5	100.09	0.088	52.94	25.856	30.638	25.856	0.18	25.546	12.83	49.6
55	-1.515	32.270	-1.81	-1.516	368.0	99.02	0.092	46.43	25.955	30.736	25.955	0.52	25.579	13.93	54.5
60	-1.454	32.380	-1.82	-1.455	363.8	98.14	0.092	50.13	26.043	30.821	26.043	0.07	25.616	14.99	59.5
65	-1.424	32.420	-1.82	-1.425	360.7	97.41	0.093	57.01	26.075	30.851	26.075	0.15	25.650	16.02	64.5
70	-1.393	32.567	-1.84	-1.394	356.6	96.51	0.089	45.77	26.193	30.967	26.193	0.22	25.684	17.02	69.4
75	-1.334	32.781	-1.85	-1.335	353.7	96.03	0.073	37.14	26.365	31.136	26.365	0.33	25.725	17.94	74.4
80	-1.224	32.985	-1.87	-1.226	347.8	94.85	0.070	39.13	26.528	31.293	26.528	0.31	25.770	18.78	79.3
85	-1.338	33.124	-1.88	-1.340	346.1	94.19	0.070	38.03	26.644	31.411	26.644	0.13	25.818	19.55	84.3
90	-1.300	33.260	-1.89	-1.302	340.0	92.72	0.064	44.44	26.753	31.518	26.753	0.40	25.866	20.28	89.2
95	-0.983	33.413	-1.90	-0.986	335.3	92.35	0.066	33.09	26.866	31.621	26.867	0.48	25.916	20.95	94.2
100	-1.001	33.672	-1.92	-1.003	330.7	91.23	0.064	47.54	27.077	31.830	27.077	0.41	25.969	21.53	99.1
105	-0.780	33.821	-1.93	-0.783	323.6	89.90	0.065	57.01	27.189	31.934	27.189	0.31	26.025	22.04	104.1
110	-0.789	33.959	-1.95	-0.792	320.5	89.11	0.068	28.83	27.301	32.045	27.302	0.41	26.080	22.50	109.0
115	-0.726	34.046	-1.95	-0.729	315.3	87.86	0.060	23.91	27.370	32.111	27.370	0.19	26.135	22.91	114.0
120	-0.670	34.104	-1.96	-0.674	310.0	86.58	0.061	24.94	27.414	32.153	27.414	0.12	26.187	23.30	118.9
125	-0.495	34.233	-1.97	-0.499	306.3	86.01	0.060	25.67	27.511	32.244	27.511	0.17	26.238	23.66	123.9
150	-0.300	34.466	-2.01	-0.306	300.7	85.03	0.056	25.97	27.690	32.415	27.690	0.16	26.465	25.08	148.6
175	0.256	34.610	-2.03	0.249	296.1	85.08	0.058	35.23	27.778	32.486	27.778	0.04	26.646	26.20	173.3
200	0.325	34.699	-2.06	0.317	294.7	84.88	0.058	35.01	27.845	32.551	27.846	-0.03	26.792	27.14	198.1
225	0.352	34.785	-2.08	0.343	293.9	84.78	0.056	18.93	27.913	32.617	27.914	0.05	26.913	27.90	222.8
250	0.379	34.810	-2.10	0.369	292.9	84.57	0.057	37.44	27.931	32.634	27.932	0.04	27.013	28.57	247.5
275	0.443	34.836	-2.12	0.431	290.0	83.86	0.055	63.39	27.949	32.650	27.950	0.07	27.097	29.20	272.2
292	0.447	34.844	-2.13	0.434	279.9	80.98	0.056	105.31	27.955	32.656	27.956	0.04	27.147	29.60	289.0

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.049	31.211	-1.71	-0.049	376.8	104.64	0.071	120.13	25.051	29.796	25.051	0.04	25.051	0.00	0.0
2	0.200	31.326	-1.71	0.200	374.7	104.84	0.074	130.41	25.132	29.869	25.132	2.29	25.068	0.61	2.0
4	0.707	31.549	-1.73	0.707	370.7	105.31	0.072	129.88	25.287	30.008	25.287	-0.36	25.185	1.17	4.0
6	0.937	31.757	-1.74	0.937	370.8	106.13	0.079	171.67	25.441	30.154	25.441	1.66	25.233	1.72	6.0
8	1.199	31.909	-1.75	1.198	371.9	107.31	0.075	224.74	25.549	30.253	25.549	0.03	25.307	2.24	7.9
10	1.327	31.996	-1.76	1.326	380.6	110.24	0.094	252.66	25.610	30.310	25.610	0.30	25.362	2.75	9.9
12	0.845	32.146	-1.77	0.845	397.2	113.76	0.124	396.72	25.760	30.472	25.760	0.58	25.416	3.23	11.9
14	0.141	32.210	-1.77	0.141	416.2	117.05	0.146	472.28	25.848	30.579	25.848	0.61	25.470	3.70	13.9
16	-0.630	32.274	-1.78	-0.630	435.7	120.10	0.218	479.04	25.931	30.685	25.931	0.34	25.523	4.14	15.9
18	-1.028	32.301	-1.78	-1.028	446.9	121.90	0.273	460.85	25.966	30.732	25.967	0.19	25.571	4.58	17.9
20	-1.226	32.310	-1.78	-1.227	445.2	120.78	0.600	481.97	25.980	30.751	25.980	0.16	25.611	5.01	19.8
22	-1.290	32.318	-1.79	-1.291	437.8	118.57	0.577	472.72	25.988	30.761	25.988	0.06	25.645	5.43	21.8
24	-1.386	32.320	-1.79	-1.386	431.2	116.49	0.617	478.56	25.992	30.768	25.992	0.10	25.674	5.86	23.8
26	-1.429	32.322	-1.79	-1.429	423.6	114.30	0.948	489.04	25.995	30.772	25.995	0.05	25.698	6.29	25.8
28	-1.491	32.321	-1.79	-1.491	416.4	112.16	1.137	512.20	25.996	30.775	25.996	0.06	25.719	6.71	27.8
30	-1.575	32.325	-1.79	-1.575	410.1	110.22	1.200	508.37	26.001	30.783	26.001	0.05	25.738	7.14	29.8
32	-1.604	32.327	-1.79	-1.605	402.0	107.96	0.878	401.46	26.003	30.786	26.003	0.08	25.754	7.56	31.7
34	-1.558	32.333	-1.80	-1.559	392.9	105.66	0.443	361.11	26.008	30.789	26.008	0.04	25.769	7.99	33.7
36	-1.547	32.336	-1.80	-1.548	388.9	104.60	0.731	387.49	26.009	30.790	26.010	0.05	25.783	8.41	35.7
38	-1.606	32.338	-1.80	-1.607	387.3	104.00	0.254	236.06	26.012	30.795	26.012	0.06	25.795	8.83	37.7
40	-1.631	32.338	-1.80	-1.632	385.7	103.52	0.403	205.86	26.013	30.797	26.013	0.06	25.806	9.26	39.7
45	-1.671	32.347	-1.80	-1.672	379.4	101.71	0.172	182.04	26.021	30.806	26.021	0.03	25.829	10.31	44.6
50	-1.709	32.350	-1.81	-1.710	372.6	99.80	0.124	81.47	26.025	30.811	26.025	0.06	25.848	11.36	49.6
55	-1.718	32.354	-1.81	-1.719	369.5	98.93	0.175	62.27	26.028	30.814	26.028	0.03	25.865	12.41	54.5
60	-1.708	32.359	-1.82	-1.709	367.8	98.52	0.115	83.56	26.032	30.817	26.032	0.05	25.878	13.46	59.5
65	-1.729	32.367	-1.82	-1.730	365.2	97.78	0.095	75.21	26.039	30.825	26.039	0.07	25.890	14.51	64.4
70	-1.733	32.395	-1.83	-1.734	362.6	97.08	0.089	46.29	26.062	30.848	26.062	0.07	25.902	15.54	69.4
75	-1.724	32.428	-1.83	-1.725	361.3	96.78	0.068	45.33	26.089	30.874	26.089	0.12	25.913	16.57	74.4
80	-1.699	32.497	-1.84	-1.701	360.4	96.66	0.082	44.96	26.144	30.928	26.144	0.22	25.926	17.58	79.3
85	-1.682	32.547	-1.85	-1.683	355.3	95.36	0.068	42.23	26.184	30.967	26.184	0.06	25.940	18.56	84.3
90	-1.645	32.628	-1.85	-1.647	352.8	94.87	0.081	44.29	26.249	31.030	26.249	0.25	25.955	19.52	89.2
95	-1.620	32.700	-1.86	-1.621	347.5	93.54	0.067	41.06	26.307	31.087	26.307	0.13	25.972	20.45	94.2
100	-1.612	32.763	-1.87	-1.614	348.2	93.81	0.065	40.24	26.358	31.137	26.358	0.10	25.990	21.35	99.1
105	-1.593	32.835	-1.88	-1.594	346.0	93.31	0.075	41.34	26.416	31.194	26.416	0.21	26.009	22.22	104.1
110	-1.517	32.939	-1.89	-1.519	342.7	92.68	0.082	37.95	26.498	31.273	26.498	0.06	26.029	23.06	109.0
115	-1.433	33.068	-1.90	-1.435	341.2	92.58	0.066	47.10	26.601	31.372	26.601	0.52	26.051	23.86	114.0
120	-1.348	33.221	-1.91	-1.350	337.7	91.95	0.067	50.94	26.722	31.489	26.722	0.67	26.075	24.61	118.9
125	-1.226	33.494	-1.93	-1.229	334.4	91.55	0.064	43.41	26.941	31.701	26.941	0.12	26.107	25.25	123.9
150	-0.485	34.181	-1.99	-0.489	310.3	87.13	0.063	43.55	27.469	32.201	27.469	0.24	26.291	27.61	148.6
175	-0.121	34.468	-2.02	-0.127	296.3	84.20	0.060	34.20	27.683	32.403	27.683	0.16	26.477	29.06	173.4
200	0.287	34.623	-2.05	0.279	292.0	83.99	0.059	35.67	27.787	32.493	27.787	0.10	26.635	30.17	198.1
225	0.357	34.740	-2.08	0.348	290.3	83.72	0.059	33.24	27.876	32.580	27.877	0.06	26.768	31.05	222.8
250	0.439	34.827	-2.10	0.429	291.0	84.16	0.057	43.41	27.942	32.643	27.942	0.05	26.882	31.73	247.5
275	0.440	34.845	-2.12	0.429	290.9	84.13	0.058	65.02	27.956	32.657	27.957	0.04	26.979	32.33	272.2
300	0.441	34.855	-2.14	0.428	287.2	83.07	0.059	119.14	27.964	32.665	27.965	0.04	27.061	32.91	296.9
306	0.441	34.855	-2.14	0.428	284.5	82.29	0.058	121.89	27.965	32.665	27.965	0.06	27.078	33.05	302.9

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
55	90	06 AUG 92	1935	80 3.99	-9 22.61	118	14	60

Pres dbar	BNL_ID	CTD Tem C	CTD Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	964	-1.280	31.441	-1.280	25.277		416.4	.01	0.00	.02	.75	1.13
6	963	-1.382	31.572	-1.383	25.385		419.6	.05	0.00	.03	.75	1.06
10	962	-1.423	31.630	-1.424	25.433		421.0	.02	0.00	.03	.68	1.06
16	961	-1.486	31.802	-1.486	25.574		418.2	.05	0.00	.03	.77	1.05
26	960	-1.536	32.210	-1.536	25.907		383.7	1.99	.05	.03	.98	5.20
39	959	-1.672	32.336	-1.673	26.012		363.9	4.05	.09	.04	1.10	8.80
59	958	-1.685	32.347	-1.686	26.022		363.4	4.22	.07	.02	1.12	9.08
70	957	-1.695	32.357	-1.696	26.030		363.3	4.29	.06	.04	1.13	9.19
80	956	-1.717	32.397	-1.719	26.063		361.1	4.58	.03	.01	1.14	9.67
89	955	-1.714	32.434	-1.716	26.093		359.3	4.73	.03	0.00	1.14	9.98
100	954	-1.712	32.419	-1.714	26.081	32.449	358.9	4.94	.03	.02	1.15	10.16
117	953	-1.612	32.651	-1.614	26.267		357.9	5.01	.02	.01	1.15	10.25

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	964	.53	.06	8.0	1.0			67400			
6	963	.65	.12	7.5	1.0			64000			
10	962	.80	.06	8.6	1.0			64200			
16	961	1.70	.23	9.9	1.3			70500			
26	960	2.88	.55	8.7	1.5			73900			
39	959	.19	.25	1.7	.2			70300			
59	958	.16	.25	.8	.4			65200			
70	957	.14	.23	.9	.1						
80	956	.13	.20	1.9	.2						
89	955	.11	.19	1.0	.1						
100	954	.10	.16	1.3	.1						
117	953	.09	.15	2.7	.1						

NEWP 92 STA 55 CTD 90

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.327	31.121	-1.70	-1.327	346.5	92.91	0.103	215.08	25.019	29.803	25.019	0.06	25.018	0.00	0.0
2	-1.332	31.218	-1.71	-1.333	353.2	94.76	0.108	222.40	25.097	29.881	25.097	1.27	25.032	0.61	2.0
4	-1.334	31.323	-1.72	-1.334	368.3	98.87	0.110	228.01	25.183	29.966	25.183	0.27	25.100	1.20	4.0
6	-1.349	31.355	-1.72	-1.349	391.1	104.97	0.117	232.27	25.209	29.992	25.209	0.13	25.133	1.78	6.0
8	-1.357	31.388	-1.72	-1.357	402.1	107.95	0.123	231.05	25.236	30.019	25.236	0.22	25.156	2.36	7.9
10	-1.374	31.436	-1.73	-1.374	409.1	109.81	0.102	235.74	25.275	30.058	25.275	0.17	25.177	2.93	9.9
12	-1.387	31.454	-1.73	-1.387	413.2	110.88	0.136	231.44	25.290	30.074	25.290	0.24	25.194	3.49	11.9
14	-1.448	31.629	-1.74	-1.449	415.4	111.44	0.169	268.04	25.433	30.217	25.433	1.73	25.214	4.05	13.9
16	-1.465	31.675	-1.75	-1.465	417.2	111.91	0.191	271.10	25.471	30.255	25.471	0.69	25.247	4.57	15.9
18	-1.446	31.758	-1.75	-1.447	417.6	112.13	0.213	285.04	25.538	30.321	25.538	0.22	25.277	5.09	17.9
20	-1.434	31.837	-1.76	-1.434	418.6	112.52	0.268	305.33	25.602	30.383	25.602	0.09	25.308	5.60	19.8
22	-1.433	31.849	-1.76	-1.434	418.7	112.54	0.235	310.12	25.611	30.393	25.611	0.11	25.335	6.10	21.8
24	-1.486	32.019	-1.77	-1.486	419.1	112.64	0.308	319.89	25.751	30.533	25.751	0.50	25.362	6.59	23.8
26	-1.539	32.068	-1.77	-1.540	419.9	112.74	0.384	263.56	25.792	30.574	25.792	0.35	25.394	7.06	25.8
28	-1.599	32.122	-1.78	-1.600	419.6	112.53	0.265	163.75	25.837	30.621	25.837	0.10	25.424	7.51	27.8
30	-1.613	32.138	-1.78	-1.614	417.2	111.83	0.217	173.01	25.850	30.635	25.850	0.11	25.452	7.97	29.8
32	-1.651	32.173	-1.78	-1.652	411.5	110.24	0.141	81.02	25.879	30.665	25.879	0.09	25.478	8.42	31.7
34	-1.661	32.181	-1.79	-1.662	406.3	108.83	0.111	66.36	25.886	30.672	25.886	0.09	25.502	8.87	33.7
36	-1.669	32.189	-1.79	-1.670	399.9	107.08	0.101	58.79	25.892	30.678	25.892	0.06	25.524	9.32	35.7
38	-1.673	32.193	-1.79	-1.674	394.2	105.56	0.168	52.57	25.896	30.682	25.896	0.07	25.543	9.76	37.7
40	-1.676	32.195	-1.79	-1.677	390.3	104.50	0.099	48.57	25.898	30.684	25.898	0.05	25.561	10.21	39.7
45	-1.680	32.198	-1.80	-1.680	383.3	102.62	0.087	47.54	25.900	30.687	25.900	0.06	25.598	11.32	44.6
50	-1.682	32.200	-1.80	-1.683	377.6	101.10	0.085	45.33	25.902	30.689	25.902	0.04	25.629	12.43	49.6
55	-1.682	32.200	-1.80	-1.683	375.6	100.55	0.083	46.73	25.902	30.688	25.902	0.04	25.653	13.54	54.5
60	-1.682	32.200	-1.81	-1.683	373.5	100.00	0.087	46.88	25.902	30.688	25.902	0.05	25.674	14.65	59.5
65	-1.682	32.200	-1.81	-1.683	371.2	99.38	0.083	45.99	25.902	30.688	25.902	0.05	25.692	15.76	64.5
70	-1.688	32.206	-1.82	-1.690	369.3	98.85	0.088	45.10	25.907	30.693	25.907	0.04	25.707	16.87	69.4
75	-1.692	32.208	-1.82	-1.693	367.5	98.37	0.083	43.92	25.909	30.695	25.909	0.05	25.720	17.97	74.4
80	-1.709	32.237	-1.83	-1.710	366.6	98.09	0.080	41.86	25.933	30.719	25.933	0.12	25.733	19.08	79.3
85	-1.717	32.275	-1.83	-1.718	365.1	97.70	0.078	39.72	25.964	30.750	25.964	0.06	25.746	20.16	84.3
90	-1.716	32.287	-1.84	-1.718	363.2	97.21	0.077	37.95	25.973	30.760	25.973	0.04	25.758	21.24	89.2
95	-1.713	32.298	-1.84	-1.715	361.6	96.81	0.076	37.95	25.982	30.768	25.982	0.06	25.770	22.31	94.2
100	-1.713	32.305	-1.84	-1.715	359.9	96.34	0.078	37.88	25.988	30.774	25.988	0.05	25.781	23.38	99.1
105	-1.709	32.314	-1.85	-1.711	358.6	96.02	0.076	37.14	25.995	30.781	25.995	0.06	25.791	24.45	104.1
110	-1.704	32.337	-1.85	-1.706	351.6	94.18	0.076	38.17	26.014	30.799	26.014	0.12	25.800	25.51	109.1
115	-1.666	32.464	-1.86	-1.668	332.6	89.27	0.077	42.01	26.116	30.899	26.116	0.64	25.810	26.55	114.0
118	-1.595	32.700	-1.88	-1.597	325.2	87.60	0.078	47.69	26.306	31.085	26.306	0.42	25.821	27.12	117.0

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.193	31.092	-1.70	-1.193	364.8	98.13	0.097	172.63	24.992	29.772	24.992	0.09	24.991	0.00	0.0
2	-1.220	31.165	-1.71	-1.220	365.1	98.19	0.100	179.39	25.051	29.832	25.051	0.86	25.007	0.62	2.0
4	-1.319	31.394	-1.72	-1.319	363.8	97.76	0.105	206.86	25.240	30.022	25.240	0.72	25.078	1.21	4.0
6	-1.339	31.424	-1.72	-1.339	375.0	100.74	0.126	210.35	25.265	30.047	25.265	0.07	25.138	1.78	6.0
8	-1.345	31.441	-1.73	-1.345	385.9	103.66	0.101	209.50	25.278	30.060	25.278	0.20	25.171	2.35	7.9
10	-1.416	31.549	-1.73	-1.416	393.8	105.67	0.144	230.58	25.368	30.152	25.368	0.59	25.200	2.90	9.9
12	-1.472	31.658	-1.74	-1.472	399.0	106.99	0.161	251.41	25.458	30.242	25.458	0.68	25.234	3.44	11.9
14	-1.491	31.701	-1.75	-1.491	401.9	107.75	0.198	274.70	25.493	30.277	25.493	0.20	25.270	3.97	13.9
16	-1.483	31.817	-1.75	-1.484	404.2	108.49	0.192	287.82	25.586	30.370	25.586	0.20	25.304	4.48	15.9
18	-1.471	31.864	-1.76	-1.471	406.0	109.04	0.396	274.10	25.625	30.407	25.625	0.54	25.337	4.98	17.9
20	-1.454	31.999	-1.77	-1.454	407.4	109.58	0.345	326.33	25.734	30.515	25.734	0.53	25.372	5.47	19.8
22	-1.483	32.111	-1.77	-1.483	408.6	109.90	0.361	313.56	25.825	30.606	25.825	0.44	25.410	5.94	21.8
24	-1.505	32.154	-1.78	-1.505	408.8	109.94	0.389	300.55	25.861	30.642	25.861	0.18	25.446	6.39	23.8
26	-1.544	32.194	-1.78	-1.545	408.0	109.65	0.411	251.73	25.894	30.676	25.894	0.19	25.480	6.84	25.8
28	-1.565	32.215	-1.78	-1.565	404.3	108.61	0.314	226.19	25.911	30.694	25.911	0.21	25.510	7.28	27.8
30	-1.587	32.237	-1.79	-1.587	399.0	107.13	0.241	190.94	25.930	30.713	25.930	0.09	25.537	7.72	29.8
32	-1.592	32.244	-1.79	-1.592	393.1	105.54	0.256	184.47	25.936	30.719	25.936	0.06	25.562	8.16	31.7
34	-1.595	32.249	-1.79	-1.596	388.9	104.40	0.255	181.77	25.940	30.723	25.940	0.09	25.584	8.60	33.7
36	-1.613	32.280	-1.79	-1.614	385.1	103.36	0.227	142.70	25.965	30.749	25.965	0.17	25.604	9.03	35.7
38	-1.633	32.300	-1.80	-1.634	383.0	102.75	0.194	110.88	25.982	30.766	25.982	0.13	25.624	9.46	37.7
40	-1.659	32.317	-1.80	-1.660	379.6	101.77	0.132	63.91	25.997	30.781	25.997	0.07	25.642	9.89	39.7
45	-1.663	32.323	-1.80	-1.664	372.5	99.88	0.096	55.60	26.001	30.786	26.001	0.05	25.682	10.95	44.6
50	-1.668	32.327	-1.81	-1.669	367.7	98.58	0.090	50.57	26.005	30.790	26.005	0.05	25.714	12.01	49.6
55	-1.683	32.337	-1.81	-1.684	364.1	97.57	0.082	43.55	26.013	30.799	26.014	0.06	25.741	13.07	54.5
60	-1.691	32.343	-1.82	-1.692	362.8	97.20	0.078	39.65	26.019	30.804	26.019	0.06	25.764	14.13	59.5
65	-1.705	32.354	-1.82	-1.706	361.7	96.89	0.096	40.16	26.028	30.814	26.028	0.06	25.784	15.18	64.5
70	-1.712	32.363	-1.82	-1.713	359.0	96.15	0.076	36.11	26.035	30.821	26.035	0.06	25.802	16.22	69.4
75	-1.712	32.390	-1.83	-1.714	358.0	95.90	0.075	35.89	26.057	30.842	26.057	0.08	25.818	17.27	74.4
80	-1.713	32.407	-1.83	-1.714	357.1	95.66	0.080	35.67	26.071	30.857	26.071	0.06	25.833	18.30	79.3
85	-1.711	32.418	-1.84	-1.713	355.4	95.23	0.076	35.89	26.080	30.865	26.080	0.04	25.847	19.32	84.3
90	-1.711	32.423	-1.84	-1.713	354.6	95.02	0.074	34.34	26.084	30.869	26.084	0.07	25.860	20.35	89.2
95	-1.710	32.429	-1.85	-1.712	353.8	94.81	0.082	34.64	26.089	30.874	26.089	0.06	25.872	21.37	94.2
100	-1.711	32.441	-1.85	-1.713	350.9	94.05	0.082	34.64	26.099	30.883	26.099	0.12	25.883	22.38	99.1
105	-1.709	32.456	-1.86	-1.711	349.1	93.56	0.075	33.31	26.111	30.896	26.111	0.08	25.894	23.39	104.1
110	-1.706	32.470	-1.86	-1.708	347.1	93.06	0.076	34.20	26.122	30.906	26.122	0.05	25.904	24.40	109.0
115	-1.704	32.480	-1.87	-1.706	343.8	92.17	0.074	34.79	26.130	30.914	26.130	0.10	25.913	25.40	114.0
120	-1.654	32.659	-1.88	-1.656	341.3	91.77	0.077	38.17	26.274	31.055	26.274	0.16	25.926	26.36	119.0
125	-1.612	32.797	-1.89	-1.614	337.6	90.98	0.078	40.31	26.385	31.164	26.385	0.34	25.942	27.26	123.9
141	-1.172	33.587	-1.95	-1.175	318.1	87.29	0.076	39.57	27.014	31.773	27.014	0.27	26.026	29.58	139.7

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox*	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.848	31.294	-1.71	-0.848	353.6	96.18	0.180	211.20	25.146	29.914	25.146	0.08	25.145	0.00	0.0
2	-0.920	31.325	-1.71	-0.920	358.1	97.22	0.201	211.90	25.173	29.943	25.173	0.45	25.155	0.59	2.0
4	-1.303	31.463	-1.72	-1.303	365.8	98.38	0.219	197.59	25.295	30.076	25.295	0.95	25.188	1.17	4.0
6	-1.324	31.485	-1.73	-1.324	372.6	100.18	0.274	206.55	25.313	30.095	25.313	0.06	25.228	1.73	6.0
8	-1.353	31.485	-1.73	-1.354	375.2	100.80	0.287	215.55	25.314	30.096	25.314	0.12	25.249	2.28	7.9
10	-1.350	31.468	-1.73	-1.350	378.6	101.71	0.317	169.60	25.301	30.083	25.301	-0.48	25.265	2.84	9.9
12	-1.497	31.521	-1.73	-1.497	390.1	104.43	0.270	157.28	25.347	30.133	25.347	0.01	25.276	3.40	11.9
14	-1.489	31.553	-1.74	-1.490	387.3	103.72	0.197	149.63	25.372	30.158	25.372	0.04	25.288	3.94	13.9
16	-1.477	31.546	-1.74	-1.477	385.1	103.17	0.222	161.01	25.367	30.152	25.367	0.05	25.298	4.49	15.9
18	-1.513	31.583	-1.74	-1.513	382.5	102.38	0.251	196.88	25.398	30.184	25.398	0.17	25.307	5.04	17.9
20	-1.502	31.600	-1.74	-1.502	385.7	103.29	0.318	225.91	25.411	30.197	25.411	0.11	25.317	5.58	19.8
22	-1.517	31.618	-1.75	-1.517	385.0	103.09	0.308	168.59	25.426	30.212	25.426	0.21	25.326	6.12	21.8
24	-1.530	31.639	-1.75	-1.530	383.8	102.73	0.251	147.26	25.443	30.230	25.443	0.09	25.335	6.65	23.8
26	-1.554	31.655	-1.75	-1.554	380.5	101.80	0.240	126.17	25.457	30.244	25.457	0.08	25.344	7.18	25.8
28	-1.577	31.663	-1.75	-1.577	379.2	101.40	0.190	98.01	25.463	30.251	25.463	0.08	25.352	7.71	27.8
30	-1.598	31.695	-1.76	-1.599	379.9	101.54	0.123	76.85	25.490	30.278	25.490	0.11	25.361	8.24	29.8
32	-1.602	31.716	-1.76	-1.602	377.8	100.99	0.171	70.89	25.507	30.295	25.507	0.16	25.369	8.76	31.7
34	-1.598	31.747	-1.76	-1.599	374.1	100.05	0.129	70.07	25.532	30.320	25.532	0.12	25.378	9.28	33.7
36	-1.598	31.771	-1.76	-1.598	371.5	99.36	0.115	57.90	25.552	30.340	25.552	0.17	25.387	9.79	35.7
38	-1.595	31.792	-1.77	-1.596	371.4	99.35	0.102	55.75	25.569	30.356	25.569	0.11	25.396	10.30	37.7
40	-1.589	31.812	-1.77	-1.589	368.0	98.48	0.102	52.94	25.585	30.371	25.585	0.11	25.406	10.81	39.7
45	-1.568	31.839	-1.78	-1.569	362.9	97.17	0.137	59.45	25.607	30.392	25.607	0.08	25.427	12.07	44.6
50	-1.552	31.882	-1.78	-1.553	366.6	98.26	0.096	51.38	25.641	30.426	25.641	0.10	25.447	13.31	49.6
55	-1.530	31.925	-1.79	-1.531	360.9	96.83	0.091	45.77	25.676	30.459	25.676	0.11	25.466	14.54	54.6
60	-1.449	31.994	-1.80	-1.450	354.6	95.38	0.089	42.89	25.730	30.511	25.730	0.16	25.486	15.75	59.5
65	-1.393	32.100	-1.81	-1.394	349.1	94.13	0.093	41.86	25.814	30.592	25.814	0.16	25.508	16.92	64.5
70	-1.300	32.162	-1.81	-1.301	342.6	92.67	0.095	41.56	25.862	30.637	25.862	0.24	25.531	18.06	69.4
75	-1.265	32.245	-1.82	-1.267	337.5	91.43	0.081	32.43	25.928	30.701	25.929	-0.02	25.557	19.16	74.4
80	-1.178	32.309	-1.83	-1.180	331.8	90.14	0.084	37.73	25.978	30.748	25.978	0.10	25.581	20.25	79.3
85	-1.289	32.498	-1.84	-1.290	334.1	90.62	0.086	39.72	26.135	30.906	26.135	0.78	25.607	21.30	84.3
90	-1.045	32.462	-1.85	-1.047	328.2	89.58	0.081	41.34	26.098	30.862	26.098	1.18	25.634	22.32	89.2
95	-1.181	32.635	-1.86	-1.183	325.8	88.74	0.080	44.00	26.242	31.009	26.242	0.05	25.664	23.28	94.2
100	-1.027	32.637	-1.86	-1.029	321.8	87.99	0.078	52.27	26.239	31.001	26.239	0.26	25.694	24.21	99.2
105	-0.905	32.801	-1.88	-0.907	317.6	87.24	0.078	58.42	26.368	31.125	26.368	0.25	25.723	25.13	104.1
110	-0.795	32.931	-1.89	-0.798	314.1	86.62	0.077	56.86	26.469	31.222	26.469	0.38	25.754	25.99	109.1
115	-0.710	33.051	-1.90	-0.713	312.4	86.44	0.077	43.78	26.563	31.312	26.563	0.36	25.787	26.80	114.0
120	-0.674	33.180	-1.91	-0.677	308.7	85.58	0.073	25.67	26.667	31.413	26.667	0.30	25.821	27.57	119.0
125	-0.568	33.293	-1.92	-0.571	302.3	84.11	0.074	26.55	26.754	31.497	26.754	0.27	25.856	28.29	123.9
150	-0.310	33.772	-1.97	-0.315	293.9	82.65	0.074	28.32	27.129	31.861	27.130	0.10	26.044	31.20	148.7
175	0.172	34.067	-2.00	0.165	290.7	83.00	0.131	33.61	27.344	32.059	27.344	0.14	26.215	33.50	173.4
200	0.368	34.289	-2.03	0.360	287.7	82.71	0.071	39.42	27.512	32.220	27.513	0.03	26.366	35.36	198.1
225	0.412	34.452	-2.06	0.403	285.5	82.25	0.071	54.64	27.641	32.346	27.641	0.11	26.500	36.88	222.9
250	0.430	34.557	-2.09	0.420	287.2	82.86	0.071	66.58	27.725	32.429	27.726	0.05	26.618	38.12	247.6
275	0.443	34.619	-2.11	0.432	288.1	83.19	0.072	98.60	27.774	32.476	27.774	0.03	26.721	39.20	272.3
288	0.445	34.664	-2.12	0.433	287.0	82.89	0.071	119.75	27.810	32.512	27.811	0.16	26.769	39.71	285.1

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.137	31.513	-1.72	-1.137	360.6	97.48	0.185	251.80	25.332	30.107	25.332	0.02	25.332	0.00	0.0
2	-1.024	31.523	-1.73	-1.024	366.2	99.30	0.197	244.66	25.337	30.108	25.337	0.20	25.333	0.55	2.0
4	-0.786	31.561	-1.73	-0.786	369.4	100.85	0.213	241.68	25.360	30.124	25.360	-0.16	25.348	1.10	4.0
6	-0.779	31.568	-1.73	-0.779	378.8	103.43	0.189	246.38	25.365	30.129	25.365	0.24	25.351	1.65	6.0
8	-1.446	31.530	-1.73	-1.446	393.8	105.56	0.273	180.51	25.353	30.138	25.353	0.74	25.346	2.21	7.9
10	-1.534	31.585	-1.74	-1.535	397.4	106.32	0.260	182.24	25.400	30.187	25.400	0.11	25.355	2.75	9.9
12	-1.557	31.605	-1.74	-1.557	397.1	106.18	0.165	129.66	25.416	30.204	25.416	0.23	25.363	3.29	11.9
14	-1.534	31.637	-1.74	-1.535	394.8	105.66	0.225	160.54	25.442	30.228	25.442	0.20	25.373	3.83	13.9
16	-1.545	31.684	-1.75	-1.545	393.8	105.40	0.240	141.48	25.480	30.267	25.480	0.23	25.384	4.36	15.9
18	-1.547	31.695	-1.75	-1.547	392.7	105.11	0.208	140.50	25.489	30.275	25.489	0.05	25.396	4.88	17.9
20	-1.547	31.696	-1.75	-1.547	391.8	104.86	0.191	137.69	25.490	30.277	25.490	0.05	25.405	5.41	19.8
22	-1.549	31.700	-1.75	-1.549	390.9	104.62	0.215	129.05	25.493	30.279	25.493	0.09	25.413	5.93	21.8
24	-1.550	31.710	-1.75	-1.550	390.8	104.62	0.227	118.92	25.501	30.288	25.501	0.11	25.420	6.45	23.8
26	-1.550	31.746	-1.76	-1.551	390.0	104.43	0.203	114.40	25.531	30.317	25.531	0.23	25.427	6.97	25.8
28	-1.553	31.770	-1.76	-1.554	389.9	104.41	0.166	108.37	25.550	30.336	25.550	0.10	25.435	7.49	27.8
30	-1.553	31.784	-1.76	-1.554	388.9	104.14	0.147	109.57	25.561	30.347	25.561	0.10	25.443	8.00	29.8
32	-1.560	31.804	-1.76	-1.561	388.0	103.90	0.148	93.88	25.578	30.364	25.578	0.15	25.451	8.51	31.7
34	-1.563	31.844	-1.77	-1.563	387.1	103.69	0.172	88.64	25.611	30.396	25.611	0.31	25.460	9.01	33.7
36	-1.563	31.888	-1.77	-1.563	386.0	103.42	0.124	77.59	25.646	30.431	25.646	0.14	25.469	9.51	35.7
38	-1.572	31.934	-1.78	-1.573	385.0	103.16	0.148	69.11	25.684	30.469	25.684	0.15	25.479	10.00	37.7
40	-1.599	31.960	-1.78	-1.600	383.6	102.73	0.128	52.64	25.705	30.491	25.705	0.11	25.490	10.48	39.7
45	-1.562	32.046	-1.79	-1.563	379.2	101.73	0.104	54.71	25.774	30.558	25.774	0.15	25.518	11.67	44.6
50	-1.535	32.199	-1.80	-1.536	375.3	100.88	0.113	46.95	25.898	30.679	25.898	0.23	25.550	12.81	49.6
55	-1.524	32.318	-1.81	-1.525	370.1	99.61	0.098	40.68	25.994	30.774	25.994	0.10	25.586	13.90	54.5
60	-1.496	32.474	-1.82	-1.497	365.5	98.57	0.092	35.01	26.121	30.899	26.121	0.70	25.624	14.94	59.5
65	-1.372	32.727	-1.84	-1.373	358.4	97.17	0.092	37.66	26.322	31.094	26.322	0.21	25.671	15.88	64.5
70	-1.322	32.818	-1.85	-1.324	353.8	96.10	0.094	36.33	26.395	31.164	26.395	0.16	25.720	16.77	69.4
75	-1.324	33.025	-1.87	-1.325	347.5	94.54	0.092	43.26	26.563	31.331	26.563	0.71	25.770	17.61	74.4
80	-1.234	33.296	-1.88	-1.236	342.4	93.59	0.091	47.17	26.780	31.543	26.780	0.29	25.827	18.33	79.3
85	-1.186	33.445	-1.90	-1.188	339.1	92.90	0.087	42.15	26.899	31.659	26.899	0.35	25.888	18.97	84.3
90	-1.032	33.622	-1.91	-1.034	335.0	92.30	0.088	36.55	27.038	31.792	27.038	0.42	25.949	19.56	89.2
95	-0.886	33.842	-1.93	-0.888	327.1	90.62	0.084	21.20	27.210	31.958	27.211	0.42	26.010	20.07	94.2
100	-0.841	33.951	-1.94	-0.843	320.4	88.96	0.084	20.61	27.297	32.042	27.297	0.14	26.073	20.52	99.1
105	-0.636	34.121	-1.95	-0.639	312.2	87.28	0.083	24.87	27.426	32.164	27.426	0.10	26.134	20.92	104.1
110	-0.534	34.174	-1.96	-0.537	308.6	86.53	0.082	28.46	27.465	32.199	27.465	0.15	26.194	21.29	109.0
115	-0.434	34.245	-1.97	-0.437	306.1	86.12	0.082	30.45	27.518	32.249	27.518	0.08	26.250	21.63	114.0
120	-0.391	34.284	-1.97	-0.395	305.8	86.14	0.081	29.49	27.548	32.277	27.548	0.08	26.303	21.95	118.9
125	-0.398	34.323	-1.98	-0.402	305.4	86.04	0.082	27.88	27.580	32.309	27.580	0.09	26.354	22.25	123.9
150	-0.213	34.545	-2.01	-0.218	299.6	84.97	0.082	20.32	27.750	32.472	27.750	0.13	26.573	23.52	148.6
175	0.131	34.676	-2.04	0.124	295.6	84.69	0.082	20.10	27.838	32.549	27.838	0.04	26.748	24.48	173.3
200	0.255	34.756	-2.06	0.247	295.0	84.86	0.079	17.17	27.895	32.602	27.895	0.05	26.889	25.26	198.0
225	0.360	34.809	-2.08	0.351	295.7	85.31	0.078	16.73	27.932	32.636	27.933	0.04	27.003	25.94	222.8
250	0.397	34.832	-2.10	0.387	296.6	85.68	0.077	36.18	27.948	32.651	27.949	0.05	27.096	26.57	247.5
275	0.430	34.855	-2.12	0.418	296.2	85.66	0.077	64.13	27.965	32.666	27.966	0.06	27.174	27.15	272.2
283	0.437	34.859	-2.13	0.425	295.7	85.52	0.075	105.39	27.968	32.668	27.968	0.05	27.197	27.33	280.1

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.075	31.905	-1.75	1.075	339.2	97.57	0.182	408.03	25.552	30.260	25.552	0.10	25.552	0.00	0.0
2	1.023	31.928	-1.75	1.023	344.2	98.87	0.191	410.62	25.575	30.283	25.575	0.25	25.560	0.51	2.0
4	0.848	32.015	-1.75	0.847	359.0	102.73	0.216	419.12	25.654	30.367	25.654	0.98	25.583	1.01	4.0
6	0.597	32.201	-1.77	0.597	374.7	106.66	0.249	447.91	25.817	30.536	25.817	0.63	25.643	1.48	6.0
8	0.349	32.290	-1.77	0.348	396.0	112.06	0.300	456.31	25.903	30.627	25.903	0.22	25.700	1.93	7.9
10	0.347	32.298	-1.77	0.347	405.8	114.84	0.419	459.63	25.909	30.633	25.909	0.05	25.742	2.38	9.9
12	0.318	32.293	-1.78	0.318	412.0	116.50	0.273	450.56	25.906	30.632	25.906	-0.15	25.769	2.82	11.9
14	-0.257	32.332	-1.78	-0.257	421.3	117.34	0.273	334.19	25.963	30.705	25.963	-0.44	25.791	3.26	13.9
16	-0.452	32.264	-1.78	-0.452	426.0	117.99	0.279	348.59	25.916	30.665	25.916	0.52	25.807	3.70	15.9
18	-0.905	32.314	-1.78	-0.906	429.8	117.63	0.198	375.86	25.973	30.735	25.973	0.14	25.824	4.13	17.8
20	-1.147	32.315	-1.78	-1.148	428.1	116.41	0.288	361.81	25.982	30.751	25.982	0.13	25.840	4.56	19.8
22	-1.274	32.327	-1.79	-1.274	424.3	114.99	0.523	439.55	25.995	30.768	25.995	0.07	25.853	4.99	21.8
24	-1.377	32.326	-1.79	-1.377	418.7	113.16	0.856	441.71	25.997	30.773	25.997	0.06	25.865	5.42	23.8
26	-1.555	32.328	-1.79	-1.555	413.9	111.31	0.474	278.86	26.003	30.784	26.003	0.20	25.875	5.84	25.8
28	-1.483	32.336	-1.79	-1.484	403.8	108.80	0.592	310.31	26.008	30.787	26.008	0.07	25.885	6.26	27.8
30	-1.649	32.333	-1.79	-1.649	400.4	107.41	0.378	158.57	26.009	30.793	26.009	0.14	25.893	6.69	29.7
32	-1.659	32.344	-1.79	-1.660	395.6	106.08	0.174	136.49	26.018	30.803	26.018	0.06	25.901	7.11	31.7
34	-1.639	32.344	-1.80	-1.639	389.2	104.44	0.195	146.36	26.018	30.802	26.018	0.02	25.908	7.53	33.7
36	-1.660	32.352	-1.80	-1.660	386.2	103.58	0.153	129.37	26.025	30.809	26.025	0.09	25.914	7.95	35.7
38	-1.635	32.351	-1.80	-1.635	381.7	102.43	0.187	151.01	26.024	30.807	26.024	0.05	25.920	8.37	37.7
40	-1.633	32.354	-1.80	-1.634	382.3	102.60	0.231	144.68	26.026	30.810	26.026	0.04	25.925	8.79	39.7
45	-1.714	32.358	-1.80	-1.715	378.0	101.23	0.206	88.36	26.031	30.816	26.031	0.06	25.937	9.84	44.6
50	-1.737	32.363	-1.81	-1.737	370.8	99.25	0.093	38.98	26.036	30.822	26.036	0.07	25.946	10.89	49.6
55	-1.735	32.370	-1.81	-1.736	366.3	98.06	0.092	35.89	26.042	30.828	26.042	0.04	25.955	11.93	54.5
60	-1.743	32.375	-1.82	-1.744	365.2	97.73	0.065	32.07	26.045	30.832	26.045	0.08	25.962	12.97	59.5
65	-1.742	32.383	-1.82	-1.743	364.9	97.67	0.061	37.66	26.052	30.839	26.052	0.05	25.969	14.01	64.4
70	-1.738	32.404	-1.83	-1.740	361.5	96.79	0.061	29.20	26.069	30.855	26.069	0.11	25.975	15.05	69.4
75	-1.728	32.429	-1.83	-1.730	359.2	96.22	0.060	24.35	26.089	30.875	26.089	0.08	25.982	16.07	74.3
80	-1.714	32.464	-1.84	-1.715	355.5	95.27	0.056	23.26	26.117	30.902	26.117	0.11	25.990	17.08	79.3
85	-1.690	32.521	-1.85	-1.692	352.4	94.55	0.054	20.83	26.163	30.947	26.163	0.12	25.998	18.08	84.3
90	-1.658	32.608	-1.85	-1.660	352.5	94.74	0.054	21.79	26.233	31.015	26.233	0.21	26.009	19.04	89.2
95	-1.627	32.700	-1.86	-1.629	348.8	93.88	0.055	23.18	26.307	31.087	26.307	0.12	26.024	19.97	94.2
100	-1.598	32.800	-1.87	-1.600	343.9	92.72	0.056	19.66	26.388	31.166	26.388	0.13	26.039	20.87	99.1
105	-1.573	32.890	-1.88	-1.575	342.5	92.47	0.056	21.71	26.460	31.237	26.460	0.19	26.058	21.72	104.1
110	-1.545	32.979	-1.89	-1.547	339.6	91.82	0.059	26.63	26.532	31.307	26.532	0.20	26.078	22.54	109.0
115	-1.522	33.063	-1.90	-1.524	336.3	91.02	0.056	30.08	26.599	31.373	26.599	0.29	26.099	23.33	114.0
120	-1.513	33.165	-1.91	-1.515	333.8	90.45	0.056	20.25	26.682	31.455	26.682	0.22	26.122	24.07	118.9
125	-1.426	33.291	-1.92	-1.429	330.5	89.85	0.056	22.08	26.782	31.550	26.782	0.58	26.146	24.79	123.9
150	-0.875	34.007	-1.98	-0.879	313.2	86.91	0.054	28.39	27.344	32.090	27.344	0.15	26.301	27.47	148.6
175	-0.139	34.390	-2.02	-0.145	295.1	83.76	0.054	44.51	27.621	32.342	27.622	0.16	26.471	29.17	173.4
200	0.150	34.553	-2.05	0.142	289.8	82.98	0.054	44.81	27.737	32.449	27.738	0.07	26.623	30.39	198.1
225	0.355	34.658	-2.07	0.346	288.1	83.02	0.053	48.94	27.811	32.515	27.811	0.05	26.752	31.39	222.8
250	0.532	34.724	-2.10	0.522	286.4	82.97	0.052	52.05	27.854	32.553	27.854	0.04	26.860	32.27	247.5
275	0.446	34.754	-2.12	0.435	285.1	82.42	0.053	79.46	27.882	32.584	27.883	0.06	26.951	33.07	272.2
285	0.445	34.762	-2.12	0.433	274.4	79.32	0.050	114.09	27.889	32.591	27.890	0.04	26.984	33.37	282.1

NEWP 92 STA 58 CTD 95

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	1.180	31.211	-1.71	1.180	336.9	96.65	0.039	109.42	24.989	29.699	24.989	0.17	24.987	0.00	0.0
2	1.174	31.443	-1.72	1.174	340.6	97.88	0.097	196.36	25.176	29.885	25.176	2.51	25.040	0.61	2.0
4	0.893	32.239	-1.77	0.892	346.3	99.37	0.309	492.35	25.832	30.541	25.832	0.83	25.296	1.12	4.0
6	0.781	32.287	-1.77	0.781	361.9	103.57	0.333	545.78	25.877	30.589	25.877	0.05	25.486	1.57	6.0
8	0.251	32.249	-1.77	0.251	384.9	108.61	0.475	500.29	25.874	30.602	25.874	0.15	25.582	2.02	7.9
10	-0.244	32.286	-1.77	-0.244	397.9	110.84	0.551	482.80	25.926	30.668	25.926	0.03	25.648	2.47	9.9
12	-0.538	32.311	-1.78	-0.538	406.5	112.36	0.691	439.59	25.958	30.708	25.958	0.14	25.697	2.90	11.9
14	-0.546	32.314	-1.78	-0.546	407.8	112.70	0.503	428.14	25.961	30.712	25.961	0.05	25.734	3.34	13.9
16	-0.776	32.318	-1.78	-0.776	413.0	113.45	0.202	317.22	25.972	30.730	25.972	0.09	25.763	3.77	15.9
18	-1.014	32.318	-1.78	-1.014	416.6	113.70	0.267	372.21	25.981	30.745	25.981	0.17	25.787	4.20	17.8
20	-1.126	32.318	-1.78	-1.127	417.2	113.51	0.282	365.80	25.984	30.752	25.984	0.19	25.806	4.63	19.8
22	-1.225	32.323	-1.79	-1.226	414.9	112.58	0.411	352.98	25.990	30.761	25.990	-0.06	25.823	5.05	21.8
24	-1.396	32.326	-1.79	-1.397	409.3	110.54	0.409	219.44	25.997	30.774	25.997	0.10	25.837	5.48	23.8
26	-1.467	32.327	-1.79	-1.468	401.6	108.25	0.312	201.06	26.000	30.778	26.000	0.08	25.849	5.91	25.8
28	-1.541	32.334	-1.79	-1.542	395.3	106.35	0.236	148.34	26.008	30.788	26.008	0.06	25.861	6.33	27.8
30	-1.578	32.338	-1.79	-1.578	389.2	104.60	0.192	131.85	26.011	30.793	26.011	0.05	25.871	6.75	29.7
32	-1.654	32.346	-1.79	-1.655	384.7	103.18	0.173	97.78	26.020	30.804	26.020	0.07	25.880	7.18	31.7
34	-1.663	32.348	-1.80	-1.663	382.0	102.44	0.156	95.60	26.022	30.806	26.022	0.05	25.888	7.60	33.7
36	-1.665	32.348	-1.80	-1.665	378.9	101.59	0.157	96.35	26.022	30.806	26.022	0.04	25.895	8.02	35.7
38	-1.671	32.349	-1.80	-1.671	375.9	100.78	0.155	90.59	26.023	30.807	26.023	0.05	25.902	8.44	37.7
40	-1.696	32.354	-1.80	-1.697	374.3	100.30	0.149	82.29	26.028	30.813	26.028	0.07	25.908	8.86	39.7
45	-1.716	32.362	-1.80	-1.717	372.2	99.66	0.145	83.93	26.035	30.820	26.035	0.06	25.922	9.91	44.6
50	-1.733	32.369	-1.81	-1.734	369.1	98.80	0.124	54.05	26.040	30.826	26.040	0.06	25.933	10.95	49.6
55	-1.745	32.377	-1.81	-1.746	365.1	97.71	0.070	25.60	26.047	30.833	26.047	0.06	25.943	11.99	54.5
60	-1.739	32.385	-1.82	-1.740	364.5	97.57	0.064	36.04	26.054	30.840	26.054	0.05	25.952	13.03	59.5
65	-1.743	32.396	-1.82	-1.744	360.6	96.51	0.066	34.05	26.063	30.849	26.063	0.07	25.961	14.06	64.4
70	-1.740	32.412	-1.83	-1.741	356.5	95.44	0.067	27.80	26.076	30.862	26.076	0.06	25.968	15.09	69.4
75	-1.732	32.432	-1.83	-1.733	355.7	95.25	0.059	23.91	26.092	30.878	26.092	0.11	25.976	16.12	74.4
80	-1.720	32.457	-1.84	-1.722	353.2	94.64	0.057	22.23	26.112	30.897	26.112	0.06	25.984	17.13	79.3
85	-1.701	32.501	-1.84	-1.703	352.9	94.63	0.055	21.64	26.147	30.931	26.147	0.10	25.992	18.13	84.3
90	-1.671	32.590	-1.85	-1.672	351.0	94.27	0.060	28.98	26.219	31.001	26.219	0.14	26.003	19.10	89.2
95	-1.640	32.672	-1.86	-1.642	347.2	93.40	0.057	25.01	26.285	31.066	26.285	0.19	26.016	20.04	94.2
100	-1.607	32.785	-1.87	-1.609	345.0	92.98	0.056	30.97	26.376	31.154	26.376	0.45	26.031	20.95	99.1
105	-1.566	32.929	-1.88	-1.568	341.1	92.13	0.056	20.47	26.491	31.267	26.491	0.34	26.050	21.80	104.1
110	-1.535	33.029	-1.89	-1.537	339.0	91.70	0.057	26.19	26.572	31.346	26.572	0.35	26.072	22.60	109.0
115	-1.520	33.142	-1.90	-1.523	336.4	91.12	0.056	20.03	26.663	31.436	26.663	0.27	26.096	23.36	114.0
120	-1.419	33.305	-1.92	-1.422	331.6	90.19	0.056	22.08	26.793	31.561	26.793	0.45	26.122	24.07	118.9
125	-1.375	33.463	-1.93	-1.378	329.0	89.68	0.056	22.67	26.920	31.685	26.920	0.45	26.152	24.71	123.9
150	-0.860	34.054	-1.98	-0.865	312.0	86.64	0.054	27.95	27.381	32.126	27.381	0.60	26.320	27.19	148.6
175	-0.054	34.449	-2.02	-0.061	296.7	84.45	0.054	44.00	27.664	32.383	27.665	0.06	26.492	28.81	173.4
200	0.183	34.577	-2.05	0.175	291.3	83.50	0.054	41.93	27.755	32.465	27.755	0.05	26.645	29.98	198.1
225	0.428	34.685	-2.07	0.419	289.4	83.57	0.054	43.78	27.828	32.531	27.829	0.08	26.772	30.94	222.8
250	0.491	34.742	-2.10	0.481	288.4	83.45	0.054	75.13	27.870	32.570	27.871	0.05	26.880	31.78	247.5
275	0.429	34.765	-2.12	0.418	287.8	83.16	0.053	116.80	27.893	32.595	27.893	0.05	26.971	32.54	272.2
292	0.424	34.784	-2.13	0.412	280.8	81.15	0.054	133.49	27.908	32.610	27.909	0.06	27.025	33.04	289.0

Press	Temp	Salnty	Err.Pc	Theta	Oxygen	Ox%	Fluor	[SPM]	slg-0	slg-1	slg-trn	B-V	Int.Den	sr.Hc	Depth
0	1.887	31.942	-1.75	1.887	-9.0	-9.00	-0.058	170.33	25.531	30.215	25.531	0.13	25.529	0.00	0.0
2	1.866	31.997	-1.75	1.866	-9.0	-9.00	0.035	305.88	30.278	30.337	25.588	0.51	25.551	4.0	2.0
4	1.542	32.054	-1.76	1.542	-9.0	-9.00	0.088	363.45	25.644	30.337	25.644	1.36	25.575	2.0	4.0
6	0.980	32.195	-1.77	0.980	-9.0	-9.00	0.282	636.29	25.792	30.499	25.792	0.39	25.637	6.0	6.0
8	0.414	32.214	-1.77	0.414	-9.0	-9.00	0.609	641.76	25.838	30.561	25.838	0.30	25.679	7.9	7.9
10	0.197	32.230	-1.77	0.197	-9.0	-9.00	0.749	486.34	25.861	30.591	25.861	0.11	25.713	9.9	9.9
12	-0.009	32.234	-1.77	-0.010	-9.0	-9.00	1.217	643.74	25.874	30.609	25.874	0.08	25.739	11.9	11.9
14	-0.518	32.202	-1.77	-0.518	-9.0	-9.00	1.210	637.74	25.869	30.620	25.869	0.07	25.758	13.9	13.9
16	-1.208	32.213	-1.77	-1.208	-9.0	-9.00	1.419	591.68	25.901	30.672	25.901	0.28	25.774	15.9	15.9
18	-1.428	32.237	-1.78	-1.428	-9.0	-9.00	1.264	386.11	25.927	30.705	25.927	0.16	25.790	17.8	17.8
20	-1.551	32.241	-1.78	-1.551	-9.0	-9.00	0.703	219.84	25.932	30.714	25.932	0.11	25.803	19.8	19.8
22	-1.581	32.248	-1.78	-1.582	-9.0	-9.00	0.296	150.39	25.939	30.722	25.939	0.07	25.816	21.8	21.8
24	-1.614	32.253	-1.78	-1.614	-9.0	-9.00	0.436	175.85	25.944	30.727	25.944	0.05	25.835	25.8	25.8
26	-1.601	32.249	-1.78	-1.602	-9.0	-9.00	0.260	186.17	25.940	30.724	25.940	0.06	25.826	23.8	23.8
28	-1.624	32.255	-1.79	-1.624	-9.0	-9.00	0.458	173.40	25.945	30.729	25.945	0.06	25.843	27.8	27.8
30	-1.639	32.258	-1.79	-1.640	-9.0	-9.00	0.393	163.16	25.948	30.733	25.948	0.05	25.850	29.7	29.7
32	-1.665	32.260	-1.79	-1.666	-9.0	-9.00	0.237	149.17	25.951	30.736	25.951	0.06	25.856	31.7	31.7
34	-1.685	32.264	-1.79	-1.685	-9.0	-9.00	0.214	112.97	25.954	30.740	25.954	0.06	25.862	33.7	33.7
36	-1.710	32.269	-1.79	-1.710	-9.0	-9.00	0.198	64.50	25.959	30.745	25.959	0.09	25.867	35.7	35.7
38	-1.722	32.277	-1.79	-1.722	-9.0	-9.00	0.095	53.90	25.966	30.753	25.966	0.07	25.872	37.7	37.7
40	-1.729	32.287	-1.80	-1.730	-9.0	-9.00	0.041	49.46	25.973	30.760	25.973	0.09	25.877	39.7	39.7
45	-1.739	32.290	-1.80	-1.740	-9.0	-9.00	0.026	40.60	25.995	30.782	25.995	0.09	25.889	44.6	44.6
50	-1.746	32.299	-1.81	-1.747	-9.0	-9.00	0.020	38.39	26.008	30.795	26.008	0.05	25.900	49.6	49.6
55	-1.748	32.336	-1.81	-1.749	-9.0	-9.00	0.019	38.17	26.014	30.801	26.014	0.07	25.910	54.5	54.5
60	-1.746	32.344	-1.82	-1.747	-9.0	-9.00	0.017	36.63	26.021	30.807	26.021	0.06	25.923	59.5	59.5
65	-1.744	32.362	-1.82	-1.745	-9.0	-9.00	0.016	37.07	26.035	30.822	26.035	0.12	25.927	64.4	64.4
70	-1.734	32.393	-1.83	-1.736	-9.0	-9.00	0.017	38.17	26.060	30.847	26.060	0.09	25.936	69.4	69.4
75	-1.725	32.421	-1.84	-1.726	-9.0	-9.00	0.016	38.17	26.083	30.868	26.083	0.08	25.945	74.4	74.4
80	-1.705	32.461	-1.84	-1.706	-9.0	-9.00	0.018	38.17	26.114	30.899	26.114	0.12	25.954	79.3	79.3
85	-1.693	32.500	-1.84	-1.694	-9.0	-9.00	0.017	37.88	26.146	30.930	26.146	0.19	25.965	84.3	84.3
90	-1.616	32.714	-1.86	-1.617	-9.0	-9.00	0.016	39.79	26.219	31.001	26.219	0.34	25.977	89.2	89.2
95	-1.616	32.714	-1.86	-1.617	-9.0	-9.00	0.017	45.77	26.318	31.098	26.318	0.35	25.992	94.2	94.2
100	-1.525	32.889	-1.88	-1.527	-9.0	-9.00	0.020	50.72	26.458	31.233	26.458	0.20	26.012	99.1	99.1
105	-1.419	33.062	-1.89	-1.421	-9.0	-9.00	0.019	52.43	26.595	31.366	26.595	0.07	26.038	104.1	104.1
110	-1.315	33.191	-1.90	-1.317	-9.0	-9.00	0.019	57.68	26.697	31.464	26.698	0.16	26.065	109.0	109.0
115	-1.314	33.303	-1.91	-1.317	-9.0	-9.00	0.018	55.38	26.789	31.554	26.789	0.27	26.094	114.0	114.0
120	-1.057	33.612	-1.93	-1.060	-9.0	-9.00	0.018	60.05	27.031	31.785	27.031	0.24	26.128	118.9	118.9
125	-0.891	33.710	-1.94	-0.895	-9.0	-9.00	0.017	64.13	27.104	31.853	27.104	0.05	26.166	123.9	123.9
150	-0.426	34.148	-1.99	-0.431	-9.0	-9.00	0.014	71.71	27.439	32.170	27.439	0.15	26.351	148.6	148.6
175	-0.064	34.377	-2.02	-0.070	-9.0	-9.00	0.015	89.84	27.607	32.326	27.607	0.09	26.522	173.4	173.4
200	0.096	34.527	-2.05	0.089	-9.0	-9.00	0.014	66.88	27.719	32.432	27.719	0.13	26.665	198.1	198.1
225	0.253	34.597	-2.07	0.244	-9.0	-9.00	0.015	68.81	27.767	32.475	27.768	0.12	26.785	222.2	222.2
250	0.477	34.687	-2.09	0.467	-9.0	-9.00	0.014	72.90	27.827	32.528	27.827	0.06	26.887	247.5	247.5
275	0.529	34.705	-2.11	0.518	-9.0	-9.00	0.014	83.14	27.838	32.537	27.839	0.05	26.973	272.2	272.2
300	0.578	34.722	-2.13	0.565	-9.0	-9.00	0.013	80.20	27.848	32.547	27.849	0.06	27.045	296.9	296.9
325	0.602	34.738	-2.15	0.588	-9.0	-9.00	0.011	92.61	27.860	32.558	27.861	0.05	27.107	321.6	321.6
350	0.493	34.738	-2.17	0.479	-9.0	-9.00	0.012	118.69	27.867	32.567	27.868	0.03	27.161	346.3	346.3
375	0.429	34.751	-2.19	0.413	-9.0	-9.00	0.014	137.91	27.881	32.583	27.882	0.04	27.209	371.0	371.0
400	0.425	34.755	-2.21	0.404	-9.0	-9.00	0.017	142.32	27.885	32.587	27.886	0.04	27.251	395.7	395.7
425	0.422	34.766	-2.23	0.404	-9.0	-9.00	0.015	156.31	27.894	32.596	27.895	0.03	27.288	420.4	420.4

NEWP 92 STA 60 CTD 97

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.942	31.958	-1.75	-0.942	398.8	108.74	0.599	383.24	25.686	30.452	25.686	0.04	25.686	0.00	0.0
2	-0.940	31.956	-1.75	-0.940	399.6	108.96	0.612	383.05	25.685	30.450	25.685	0.03	25.686	0.49	2.0
4	-0.926	31.963	-1.75	-0.927	400.8	109.34	0.550	384.11	25.690	30.455	25.690	0.13	25.685	0.97	4.0
6	-0.918	31.961	-1.75	-0.918	401.6	109.59	0.619	391.38	25.688	30.453	25.688	0.01	25.687	1.46	6.0
8	-0.915	31.945	-1.75	-0.915	404.7	110.41	0.612	383.20	25.675	30.440	25.675	0.00	25.685	1.95	7.9
10	-0.906	31.960	-1.76	-0.907	408.0	111.35	0.707	385.95	25.687	30.452	25.687	0.02	25.684	2.43	9.9
12	-0.953	31.971	-1.76	-0.953	412.5	112.45	0.496	385.75	25.697	30.463	25.697	0.25	25.685	2.92	11.9
14	-1.070	32.008	-1.76	-1.071	414.2	112.61	0.824	386.77	25.731	30.500	25.731	0.41	25.689	3.40	13.9
16	-1.398	32.079	-1.77	-1.398	418.8	112.89	0.640	304.24	25.797	30.575	25.797	0.65	25.699	3.87	15.9
18	-1.499	32.166	-1.77	-1.499	417.3	112.25	1.033	237.49	25.870	30.651	25.870	0.37	25.715	4.32	17.9
20	-1.472	32.214	-1.78	-1.472	411.3	110.76	0.672	193.33	25.908	30.688	25.908	0.06	25.733	4.77	19.8
22	-1.506	32.222	-1.78	-1.506	404.7	108.89	0.338	187.03	25.916	30.697	25.916	0.14	25.749	5.21	21.8
24	-1.578	32.234	-1.78	-1.579	399.6	107.32	0.162	103.87	25.927	30.710	25.927	0.08	25.764	5.65	23.8
26	-1.638	32.243	-1.78	-1.638	394.0	105.65	0.147	66.73	25.936	30.721	25.936	0.07	25.777	6.09	25.8
28	-1.651	32.251	-1.79	-1.652	389.0	104.26	0.138	72.40	25.943	30.728	25.943	0.04	25.788	6.53	27.8
30	-1.699	32.257	-1.79	-1.699	386.7	103.53	0.097	43.63	25.949	30.735	25.949	0.09	25.799	6.96	29.7
32	-1.722	32.270	-1.79	-1.723	382.4	102.32	0.054	33.39	25.960	30.747	25.960	0.12	25.809	7.40	31.7
34	-1.735	32.284	-1.79	-1.735	380.9	101.90	0.055	26.78	25.971	30.758	25.971	0.13	25.818	7.83	33.7
36	-1.740	32.295	-1.79	-1.740	378.4	101.23	0.033	24.43	25.981	30.768	25.981	0.06	25.827	8.26	35.7
38	-1.742	32.300	-1.80	-1.743	376.7	100.76	0.030	24.06	25.985	30.772	25.985	0.07	25.835	8.69	37.7
40	-1.743	32.304	-1.80	-1.744	374.1	100.05	0.028	23.69	25.988	30.775	25.988	0.07	25.843	9.11	39.7
45	-1.746	32.313	-1.80	-1.746	372.2	99.54	0.024	21.57	25.995	30.782	25.995	0.08	25.859	10.18	44.6
50	-1.749	32.334	-1.81	-1.750	369.0	98.70	0.018	19.15	26.013	30.800	26.013	0.06	25.874	11.24	49.6
55	-1.750	32.345	-1.81	-1.750	366.9	98.15	0.015	18.20	26.021	30.809	26.021	0.06	25.887	12.29	54.5
60	-1.748	32.356	-1.82	-1.749	363.4	97.22	0.015	18.20	26.030	30.817	26.030	0.07	25.898	13.34	59.5
65	-1.745	32.367	-1.82	-1.746	363.7	97.33	0.016	18.05	26.039	30.826	26.039	0.06	25.909	14.39	64.4
70	-1.737	32.394	-1.83	-1.738	359.2	96.16	0.015	19.37	26.061	30.847	26.061	0.12	25.919	15.43	69.4
75	-1.728	32.420	-1.83	-1.729	357.0	95.61	0.015	19.52	26.082	30.868	26.082	0.11	25.929	16.46	74.4
80	-1.710	32.470	-1.84	-1.711	354.4	95.01	0.016	19.66	26.122	30.907	26.122	0.12	25.940	17.47	79.3
85	-1.690	32.527	-1.85	-1.691	352.4	94.56	0.017	19.44	26.168	30.951	26.168	0.23	25.952	18.46	84.3
90	-1.657	32.629	-1.85	-1.659	351.3	94.42	0.015	19.96	26.250	31.031	26.250	0.09	25.966	19.42	89.2
95	-1.634	32.690	-1.86	-1.636	348.8	93.86	0.018	20.61	26.299	31.079	26.299	0.18	25.983	20.35	94.2
100	-1.593	32.818	-1.87	-1.595	345.2	93.08	0.019	20.98	26.402	31.180	26.402	0.39	26.000	21.24	99.1
105	-1.524	32.995	-1.89	-1.526	342.1	92.55	0.016	22.08	26.544	31.319	26.544	0.20	26.023	22.07	104.1
110	-1.465	33.129	-1.90	-1.467	339.5	92.08	0.017	21.27	26.652	31.423	26.652	0.30	26.049	22.85	109.0
115	-1.389	33.324	-1.91	-1.391	333.7	90.84	0.015	22.23	26.808	31.575	26.808	0.59	26.078	23.56	114.0
120	-1.313	33.520	-1.93	-1.316	328.5	89.75	0.016	25.31	26.965	31.728	26.965	0.30	26.112	24.18	118.9
125	-1.175	33.681	-1.94	-1.178	323.7	88.87	0.015	27.66	27.090	31.848	27.091	0.22	26.149	24.73	123.9
150	-0.504	34.157	-1.99	-0.508	299.9	84.15	0.013	39.06	27.450	32.184	27.450	0.12	26.338	26.94	148.6
175	-0.167	34.387	-2.02	-0.173	292.7	83.02	0.011	44.81	27.620	32.342	27.620	0.17	26.512	28.48	173.4
200	0.194	34.569	-2.05	0.187	289.3	82.96	0.013	51.09	27.748	32.458	27.749	0.05	26.659	29.70	198.1
225	0.254	34.597	-2.07	0.245	285.5	82.02	0.010	53.23	27.767	32.475	27.767	0.06	26.781	30.76	222.8
236	0.401	34.658	-2.08	0.392	281.0	81.09	0.013	70.54	27.808	32.511	27.808	0.08	26.828	31.20	233.7

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
61	98	08 AUG 92	1207	79 45.39	-15 34.44	211	15	0

Pres dbar	BNL_ID	CTD Tem C	CTD Sal P78	Theta C	Sig-Th	Bot Sal P78	Bot DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	1061	.224	31.937	.223	25.624	31.933	376.5	.70	-.06	.05	.86	5.15
5	1060	-.266	32.141	-.266	25.810	32.166	373.3	1.38	-.03	.06	.95	7.47
11	1059	-.548	32.236	-.548	25.898	32.242	372.2	1.66	-.02	.09	.99	8.30
17	1058	-.628	32.272	-.629	25.930	32.257	371.5	1.78	-.04	.10	1.00	8.52
27	1057	-1.602	32.266	-1.602	25.954	32.274	371.9	1.71	-.04	.12	.99	8.42
42	1056	-1.719	32.309	-1.720	25.991	32.317	366.9	2.25	-.06	.08	1.05	9.16
63	1055	-1.739	32.376	-1.740	26.046	32.373	364.3	2.57	-.06	.08	1.05	9.15
80	1054	-1.707	32.470	-1.709	26.122	32.473	363.1	3.01	-.05	.03	1.07	9.92
100	1053	-1.611	32.813	-1.613	26.398	32.862	346.1	4.22	-.05	.04	1.04	10.88
151	1052	-.744	34.065	-.748	27.386	34.163	303.0	9.42	-.04	.05	.96	9.07
200	1051	.179	34.571	.171	27.751	34.571	292.2	10.65	-.06	.06	.97	9.22

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	1061	1.50	.09	11.0	1.2			45400			
5	1060	1.00	.20	8.0	.9			37300			
11	1059	.76	.20	6.3	.8			42300			
17	1058	.49	.22	4.7	.5			40500			
27	1057	.59	.36	4.3	.4			53700			
42	1056	.33	.08	3.5	.1			23100			
63	1055	.03	.01	.6	.1			23400			
80	1054	.01	.02	2.1	.0						
100	1053	.04	.02	1.7	.0						
151	1052	.07	.04	2.2	.1						
200	1051	.02	.01	4.0	.0						

NEWP 92 STA 61 CTD 98																
Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox‡	Fluor	[SEM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth	
0	0.234	31.878	-1.74	0.234	370.3	104.14	0.124	172.32	25.576	30.308	25.576	0.08	25.576	0.00	0.0	
2	0.069	31.931	-1.75	0.068	370.7	103.84	0.088	159.08	25.626	30.362	25.626	0.43	25.598	0.50	2.0	
4	-0.278	32.067	-1.76	-0.278	373.6	103.79	0.090	148.80	25.751	30.496	25.751	0.57	25.644	0.99	4.0	
6	-0.592	32.146	-1.76	-0.592	376.9	103.89	0.100	128.67	25.826	30.580	25.826	0.13	25.698	1.45	6.0	
8	-0.891	32.187	-1.77	-0.891	380.5	104.07	0.081	117.63	25.870	30.632	25.870	0.53	25.735	1.91	7.9	
10	-0.939	32.209	-1.77	-0.939	380.6	104.00	0.084	113.34	25.890	30.653	25.890	0.14	25.764	2.36	9.9	
12	-0.891	32.201	-1.77	-0.891	381.6	104.39	0.130	115.07	25.882	30.644	25.882	0.16	25.784	2.80	11.9	
14	-0.793	32.204	-1.77	-0.794	380.1	104.26	0.089	105.89	25.881	30.640	25.881	-0.10	25.799	3.25	13.9	
16	-0.691	32.252	-1.78	-0.691	377.4	103.85	0.119	98.23	25.916	30.671	25.916	0.17	25.811	3.69	15.9	
18	-1.073	32.204	-1.78	-1.073	381.5	103.85	0.089	98.91	25.889	30.656	25.889	-0.27	25.821	4.14	17.8	
20	-1.543	32.244	-1.78	-1.543	385.1	103.52	0.108	112.37	25.935	30.716	25.935	0.17	25.830	4.58	19.8	
22	-1.554	32.251	-1.78	-1.555	383.3	103.01	0.136	127.83	25.941	30.722	25.941	0.06	25.840	5.02	21.8	
24	-1.578	32.254	-1.78	-1.579	384.8	103.34	0.151	127.08	25.944	30.726	25.944	0.06	25.848	5.46	23.8	
26	-1.620	32.256	-1.78	-1.621	384.2	103.07	0.154	110.78	25.946	30.730	25.946	0.06	25.856	5.89	25.8	
28	-1.661	32.261	-1.79	-1.662	381.1	102.12	0.142	93.51	25.951	30.736	25.951	0.06	25.862	6.33	27.8	
30	-1.680	32.265	-1.79	-1.680	380.1	101.81	0.124	80.65	25.955	30.740	25.955	0.07	25.868	6.76	29.7	
32	-1.686	32.269	-1.79	-1.686	379.7	101.69	0.121	77.82	25.958	30.744	25.958	0.06	25.874	7.19	31.7	
34	-1.696	32.275	-1.79	-1.697	381.8	102.22	0.118	73.05	25.963	30.749	25.963	0.09	25.879	7.63	33.7	
36	-1.704	32.283	-1.79	-1.705	380.9	101.97	0.109	65.84	25.970	30.756	25.970	0.08	25.884	8.06	35.7	
38	-1.713	32.292	-1.80	-1.714	381.2	102.03	0.091	57.38	25.977	30.764	25.977	0.07	25.889	8.49	37.7	
40	-1.717	32.300	-1.80	-1.717	380.1	101.75	0.169	51.75	25.984	30.770	25.984	0.09	25.893	8.92	39.7	
45	-1.733	32.318	-1.80	-1.734	374.6	100.23	0.055	38.76	25.999	30.786	25.999	0.06	25.904	9.98	44.6	
50	-1.740	32.329	-1.81	-1.741	368.1	98.50	0.044	29.79	26.008	30.795	26.008	0.07	25.914	11.04	49.6	
55	-1.744	32.339	-1.81	-1.745	362.2	96.90	0.039	25.45	26.016	30.803	26.016	0.04	25.923	12.10	54.5	
60	-1.746	32.343	-1.82	-1.747	364.4	97.50	0.042	26.85	26.020	30.806	26.020	0.04	25.931	13.15	59.5	
65	-1.745	32.357	-1.82	-1.746	365.7	97.85	0.018	16.81	26.031	30.818	26.031	0.08	25.938	14.21	64.4	
70	-1.735	32.385	-1.83	-1.736	359.2	96.16	0.018	17.10	26.053	30.839	26.053	0.06	25.946	15.25	69.4	
75	-1.731	32.405	-1.83	-1.732	358.5	96.00	0.016	17.83	26.069	30.855	26.069	0.06	25.953	16.28	74.4	
80	-1.716	32.444	-1.84	-1.717	359.2	96.25	0.017	18.20	26.101	30.886	26.101	0.10	25.962	17.30	79.3	
85	-1.690	32.498	-1.84	-1.692	359.7	96.50	0.016	17.03	26.144	30.928	26.144	0.20	25.971	18.31	84.3	
90	-1.686	32.594	-1.85	-1.688	355.8	95.54	0.018	16.44	26.222	31.005	26.222	0.16	25.983	19.27	89.2	
95	-1.644	32.709	-1.86	-1.646	353.1	94.99	0.017	17.90	26.314	31.095	26.315	0.19	25.998	20.20	94.2	
100	-1.609	32.820	-1.87	-1.611	348.5	93.93	0.019	17.98	26.404	31.182	26.404	0.27	26.016	21.09	99.1	
105	-1.553	32.957	-1.88	-1.555	345.3	93.32	0.017	18.12	26.514	31.289	26.514	0.21	26.038	21.92	104.1	
110	-1.520	33.070	-1.89	-1.522	342.6	92.76	0.018	18.49	26.605	31.379	26.605	0.32	26.061	22.71	109.0	
115	-1.384	33.278	-1.91	-1.386	337.9	91.96	0.016	27.80	26.770	31.537	26.770	0.03	26.088	23.45	114.0	
120	-1.302	33.407	-1.92	-1.305	334.2	91.25	0.017	36.11	26.872	31.636	26.872	0.19	26.118	24.12	118.9	
125	-1.254	33.465	-1.93	-1.257	330.7	90.46	0.017	38.17	26.918	31.680	26.918	0.14	26.149	24.74	123.9	
150	-0.771	34.058	-1.98	-0.775	315.1	87.72	0.014	25.67	27.381	32.123	27.381	0.13	26.308	27.37	148.6	
175	-0.251	34.375	-2.02	-0.257	300.0	84.90	0.012	37.88	27.614	32.339	27.615	0.08	26.481	29.01	173.4	
200	0.173	34.570	-2.05	0.165	292.1	83.72	0.012	56.79	27.750	32.460	27.750	0.06	26.631	30.23	198.1	
211	0.192	34.578	-2.06	0.184	277.2	79.48	0.013	56.56	27.755	32.465	27.756	0.06	26.690	30.71	209.0	

NEWP 92 STA 62 CTD 99

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.567	32.202	-1.76	-1.567	381.3	102.41	0.090	80.35	25.901	30.684	25.901	0.04	25.902	0.00	0.0
2	-1.569	32.199	-1.76	-1.569	375.3	100.79	0.088	78.93	25.899	30.681	25.899	-0.02	25.901	0.44	2.0
4	-1.584	32.194	-1.76	-1.584	360.0	96.63	0.083	74.39	25.895	30.679	25.895	0.08	25.898	0.89	4.0
6	-1.579	32.193	-1.77	-1.579	367.6	98.68	0.083	72.75	25.894	30.677	25.894	0.05	25.897	1.34	5.9
8	-1.578	32.196	-1.77	-1.578	375.4	100.78	0.082	69.48	25.896	30.679	25.896	0.07	25.896	1.78	7.9
10	-1.593	32.202	-1.77	-1.593	383.1	102.82	0.084	67.84	25.901	30.685	25.901	0.06	25.897	2.23	9.9
12	-1.599	32.205	-1.77	-1.599	384.9	103.28	0.092	67.10	25.904	30.688	25.904	0.04	25.898	2.67	11.9
14	-1.597	32.206	-1.77	-1.597	384.6	103.20	0.089	66.50	25.905	30.689	25.905	0.06	25.899	3.11	13.9
16	-1.601	32.208	-1.77	-1.601	385.1	103.33	0.088	65.84	25.907	30.691	25.907	0.04	25.900	3.56	15.9
18	-1.610	32.214	-1.78	-1.610	385.4	103.38	0.091	64.94	25.912	30.696	25.912	0.20	25.901	4.00	17.8
20	-1.617	32.239	-1.78	-1.617	385.5	103.41	0.094	64.05	25.932	30.716	25.932	-0.01	25.903	4.44	19.8
22	-1.607	32.255	-1.78	-1.608	383.5	102.93	0.094	64.28	25.945	30.729	25.945	0.07	25.907	4.88	21.8
24	-1.624	32.263	-1.78	-1.625	379.7	101.86	0.098	63.01	25.952	30.736	25.952	0.07	25.910	5.31	23.8
26	-1.629	32.266	-1.79	-1.630	378.6	101.56	0.098	62.72	25.955	30.739	25.955	0.07	25.913	5.75	25.8
28	-1.614	32.271	-1.79	-1.614	379.6	101.87	0.097	60.20	25.958	30.741	25.958	0.05	25.917	6.18	27.8
30	-1.636	32.270	-1.79	-1.637	381.1	102.20	0.099	59.23	25.958	30.742	25.958	0.04	25.919	6.61	29.7
32	-1.662	32.271	-1.79	-1.663	378.7	101.50	0.097	58.71	25.959	30.744	25.959	0.04	25.922	7.05	31.7
34	-1.681	32.271	-1.79	-1.682	375.9	100.70	0.099	58.71	25.959	30.745	25.959	0.06	25.924	7.48	33.7
36	-1.710	32.275	-1.79	-1.711	377.0	100.90	0.096	53.31	25.964	30.750	25.964	0.08	25.926	7.91	35.7
38	-1.719	32.283	-1.80	-1.720	373.7	100.02	0.096	50.64	25.971	30.757	25.971	0.08	25.928	8.34	37.7
40	-1.721	32.289	-1.80	-1.721	372.6	99.70	0.094	46.73	25.975	30.762	25.975	0.07	25.930	8.77	39.7
45	-1.726	32.305	-1.80	-1.727	370.2	99.06	0.090	39.72	25.988	30.775	25.988	0.07	25.936	9.84	44.6
50	-1.737	32.321	-1.81	-1.738	368.6	98.62	0.083	33.39	26.001	30.788	26.001	0.06	25.942	10.91	49.6
55	-1.740	32.329	-1.81	-1.741	365.9	97.89	0.083	30.96	26.008	30.795	26.008	0.10	25.947	11.97	54.5
60	-1.744	32.353	-1.82	-1.745	361.7	96.79	0.079	33.24	26.028	30.814	26.028	0.07	25.953	13.03	59.5
65	-1.754	32.370	-1.82	-1.755	360.0	96.32	0.072	20.17	26.041	30.828	26.041	0.07	25.959	14.07	64.4
70	-1.742	32.390	-1.83	-1.743	357.6	95.73	0.067	19.81	26.058	30.844	26.058	0.04	25.966	15.11	69.4
75	-1.731	32.424	-1.83	-1.733	354.3	94.88	0.067	19.88	26.086	30.871	26.086	0.08	25.973	16.14	74.4
80	-1.722	32.462	-1.84	-1.723	351.8	94.28	0.068	19.96	26.116	30.901	26.116	0.06	25.981	17.15	79.3
85	-1.713	32.491	-1.84	-1.715	355.5	95.30	0.068	20.17	26.139	30.924	26.139	0.07	25.990	18.15	84.3
90	-1.691	32.565	-1.85	-1.693	353.4	94.86	0.068	20.39	26.199	30.982	26.199	0.39	25.999	19.13	89.2
95	-1.654	32.673	-1.86	-1.655	349.7	94.03	0.067	20.54	26.286	31.067	26.286	0.29	26.012	20.08	94.2
100	-1.606	32.821	-1.87	-1.608	346.8	93.47	0.066	20.47	26.404	31.183	26.404	0.17	26.028	20.97	99.1
105	-1.589	32.888	-1.88	-1.591	343.9	92.79	0.066	20.10	26.458	31.236	26.458	0.31	26.047	21.83	104.1
110	-1.545	33.037	-1.89	-1.547	344.5	93.16	0.066	20.91	26.578	31.353	26.578	0.28	26.069	22.63	109.0
115	-1.504	33.233	-1.91	-1.506	342.8	92.95	0.068	21.64	26.736	31.508	26.737	0.23	26.095	23.37	114.0
120	-1.479	33.354	-1.92	-1.482	339.2	92.13	0.066	22.01	26.834	31.604	26.834	0.13	26.124	24.05	118.9
125	-1.443	33.467	-1.93	-1.445	337.0	91.70	0.068	21.71	26.925	31.693	26.925	0.19	26.154	24.68	123.9
150	-0.757	34.101	-1.98	-0.761	316.7	88.21	0.065	28.46	27.415	32.157	27.415	0.12	26.327	27.10	148.6
175	-0.176	34.436	-2.02	-0.182	298.1	84.57	0.064	45.99	27.660	32.382	27.660	0.15	26.500	28.67	173.4
200	0.093	34.549	-2.05	0.086	293.0	83.79	0.065	64.72	27.737	32.450	27.737	0.06	26.652	29.83	198.1

NEWP 92 STA 62 CTD 100

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.416	32.217	-1.76	-1.416	365.3	98.53	0.090	73.64	25.910	30.688	25.910	0.03	25.911	0.00	0.0
2	-1.456	32.213	-1.76	-1.456	361.1	97.27	0.089	66.88	25.907	30.686	25.907	-0.02	25.909	0.44	2.0
4	-1.438	32.201	-1.76	-1.438	360.7	97.20	0.089	59.60	25.897	30.676	25.897	0.05	25.905	0.89	4.0
6	-1.533	32.198	-1.77	-1.533	367.9	98.90	0.086	53.97	25.897	30.679	25.897	-0.01	25.903	1.33	5.9
8	-1.566	32.203	-1.77	-1.566	374.4	100.55	0.086	58.20	25.902	30.684	25.902	0.09	25.901	1.78	7.9
10	-1.579	32.204	-1.77	-1.579	375.5	100.82	0.099	71.81	25.903	30.686	25.903	0.05	25.902	2.22	9.9
12	-1.609	32.209	-1.77	-1.609	375.6	100.75	0.092	66.21	25.908	30.692	25.908	0.11	25.902	2.67	11.9
14	-1.619	32.232	-1.77	-1.619	374.3	100.42	0.089	51.68	25.927	30.710	25.927	0.11	25.904	3.11	13.9
16	-1.651	32.242	-1.78	-1.651	373.7	100.17	0.089	51.53	25.936	30.721	25.936	0.11	25.908	3.54	15.9
18	-1.661	32.248	-1.78	-1.661	376.2	100.80	0.091	54.86	25.940	30.726	25.940	0.05	25.911	3.98	17.8
20	-1.659	32.251	-1.78	-1.659	375.6	100.65	0.093	55.90	25.943	30.728	25.943	0.07	25.914	4.42	19.8
22	-1.629	32.262	-1.78	-1.629	375.2	100.65	0.096	59.90	25.951	30.735	25.951	0.13	25.917	4.85	21.8
24	-1.611	32.269	-1.78	-1.612	374.4	100.49	0.101	63.46	25.957	30.740	25.957	0.08	25.920	5.29	23.8
26	-1.625	32.273	-1.79	-1.625	374.4	100.43	0.102	61.60	25.960	30.744	25.960	0.06	25.923	5.72	25.8
28	-1.668	32.272	-1.79	-1.668	373.8	100.18	0.102	59.31	25.960	30.746	25.960	0.06	25.926	6.15	27.8
30	-1.705	32.280	-1.79	-1.705	373.3	99.94	0.102	53.23	25.967	30.754	25.967	0.09	25.928	6.59	29.7
32	-1.709	32.284	-1.79	-1.710	373.2	99.90	0.099	51.98	25.971	30.757	25.971	0.06	25.931	7.02	31.7
34	-1.711	32.289	-1.79	-1.711	372.8	99.80	0.098	47.76	25.975	30.761	25.975	0.06	25.933	7.45	33.7
36	-1.711	32.291	-1.79	-1.712	372.4	99.68	0.098	46.21	25.976	30.763	25.976	0.06	25.936	7.88	35.7
38	-1.720	32.297	-1.80	-1.720	371.7	99.49	0.097	42.89	25.981	30.768	25.981	0.07	25.938	8.31	37.7
40	-1.729	32.303	-1.80	-1.729	370.9	99.25	0.094	40.31	25.987	30.774	25.987	0.06	25.940	8.73	39.7
45	-1.732	32.311	-1.80	-1.733	373.6	99.95	0.092	36.18	25.994	30.780	25.994	0.07	25.946	9.80	44.6
50	-1.739	32.321	-1.81	-1.740	371.7	99.44	0.086	31.70	26.001	30.788	26.001	0.06	25.951	10.87	49.6
55	-1.735	32.337	-1.81	-1.735	369.9	98.98	0.088	34.27	26.015	30.801	26.015	0.10	25.956	11.93	54.5
60	-1.747	32.359	-1.82	-1.748	368.5	98.61	0.084	26.19	26.033	30.819	26.033	0.06	25.962	12.98	59.5
65	-1.753	32.366	-1.82	-1.754	370.0	99.00	0.074	19.74	26.038	30.825	26.038	0.07	25.967	14.02	64.4
70	-1.741	32.401	-1.83	-1.742	369.2	98.83	0.073	17.25	26.067	30.853	26.067	0.10	25.973	15.06	69.4
75	-1.729	32.446	-1.83	-1.730	367.7	98.49	0.070	16.73	26.103	30.889	26.103	0.08	25.981	16.08	74.3
80	-1.724	32.461	-1.84	-1.725	366.1	98.08	0.070	17.39	26.115	30.900	26.115	0.06	25.989	17.09	79.3
85	-1.713	32.498	-1.84	-1.715	365.9	98.09	0.071	17.98	26.145	30.929	26.145	0.19	25.997	18.09	84.3
90	-1.690	32.572	-1.85	-1.691	364.8	97.93	0.071	18.05	26.204	30.987	26.204	0.14	26.007	19.07	89.2
95	-1.640	32.702	-1.86	-1.641	362.1	97.44	0.071	17.76	26.309	31.089	26.309	0.33	26.020	20.00	94.2
100	-1.615	32.807	-1.87	-1.617	360.6	97.17	0.071	18.05	26.394	31.173	26.394	0.55	26.036	20.90	99.1
105	-1.567	32.947	-1.88	-1.569	357.0	96.42	0.071	18.42	26.506	31.282	26.506	0.29	26.056	21.74	104.1
110	-1.546	33.069	-1.89	-1.548	352.9	95.48	0.071	19.44	26.604	31.379	26.604	0.28	26.078	22.53	109.0
115	-1.524	33.171	-1.90	-1.526	350.3	94.90	0.070	18.86	26.687	31.460	26.687	0.22	26.103	23.28	114.0
120	-1.499	33.312	-1.92	-1.501	347.0	94.17	0.072	18.27	26.801	31.572	26.801	0.20	26.129	23.98	118.9
125	-1.441	33.471	-1.93	-1.444	345.1	93.92	0.069	19.44	26.928	31.695	26.928	0.26	26.159	24.62	123.9
150	-0.774	34.093	-1.98	-0.778	322.9	89.92	0.069	26.33	27.410	32.152	27.410	0.12	26.333	27.00	148.6
175	-0.197	34.430	-2.02	-0.203	303.8	86.12	0.068	40.97	27.656	32.379	27.656	0.13	26.508	28.55	173.4
196	0.107	34.556	-2.04	0.100	281.6	80.55	0.066	60.27	27.742	32.454	27.742	0.06	26.637	29.53	194.1

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
63	101	09 AUG 92	0241	79 9.44	-13 46.12	126	9	50

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
3	1097	-.698	30.864	-.698	24.793	30.404	395.9	.07	.01	.03	.80	4.82
5	1096	-1.427	31.803	-1.427	25.574	31.735	394.2	.47	.03	.09	1.00	6.26
6	1095	-1.461	31.878	-1.461	25.636	31.895	384.3	1.51	.04	.16	1.07	7.41
9	1094	-1.546	31.969	-1.546	25.711	31.936	379.3	2.25	.06	.18	1.13	8.10
15	1093	-1.638	32.025	-1.638	25.759	32.005	374.6	2.91	.08	.17	1.16	8.47
25	1092	-1.711	32.108	-1.712	25.828	32.101	371.4	3.41	.10	.11	1.04	8.55
37	1091	-1.644	32.218	-1.644	25.916	32.220	371.0	3.28	.11	.11	1.06	8.28
50	1090	-1.698	32.303	-1.699	25.986	32.277	367.0	3.98	.10	.03	1.15	8.98
75	1089	-1.706	32.405	-1.708	26.069	32.377	362.0	4.71	.12	.09	1.23	10.50
99	1088	-1.579	32.672	-1.581	26.283	32.688	349.2	6.20	.02	.01	1.17	10.16
115	1087	-1.298	33.104	-1.300	26.626	33.152	328.1	8.57	.03	.06	1.22	11.03
125	1086	-1.132	33.343	-1.135	26.815	33.118	329.3	8.49	.05	.05	1.24	11.09

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
3	1097	2.55	0.00	38.1	3.1			88300			
5	1096	10.57	.73	15.4	2.7			60700			
6	1095	1.93	.33	6.8	1.3			64300			
9	1094	.85	.18	3.9	.7			43300			
15	1093	.46	.20	2.0	.6			57500			
25	1092	.23	.15	6.5	.5			61500			
37	1091	.37	.20	2.8	.4			61100			
50	1090	.19	.19	.5	-.2						
75	1089	.23	.24	2.5	.3						
99	1088	.22	.07	2.0	.2						
115	1087	.09	.07	.8	.2						
125	1086	.08	.05	1.0	.2						

NEWP 92 STA 63 CTD 101

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.403	30.243	-1.65	-0.403	388.8	106.18	0.290	378.70	24.282	29.046	24.282	0.10	24.281	0.00	0.0
2	-0.473	30.324	-1.66	-0.473	392.5	107.05	0.304	376.59	24.350	29.115	24.350	1.57	24.305	0.76	2.0
4	-1.265	31.634	-1.73	-1.265	380.1	102.47	0.359	375.14	25.433	30.212	25.433	0.76	24.670	1.37	4.0
6	-1.355	31.703	-1.74	-1.355	392.1	105.51	0.403	373.42	25.491	30.271	25.491	-0.04	24.939	1.89	6.0
8	-1.412	31.777	-1.74	-1.412	404.6	108.76	0.345	292.26	25.552	30.334	25.552	0.90	25.078	2.42	7.9
10	-1.443	31.836	-1.75	-1.443	407.9	109.61	0.613	226.54	25.601	30.383	25.601	0.13	25.181	2.92	9.9
12	-1.466	31.886	-1.75	-1.466	406.8	109.30	0.259	146.76	25.642	30.424	25.642	0.47	25.253	3.42	11.9
14	-1.535	31.939	-1.76	-1.535	401.5	107.71	0.152	93.43	25.687	30.471	25.687	0.14	25.313	3.91	13.9
16	-1.536	31.951	-1.76	-1.536	395.9	106.20	0.149	95.99	25.697	30.481	25.697	0.18	25.360	4.39	15.9
18	-1.613	31.988	-1.76	-1.614	396.0	106.04	0.125	64.43	25.728	30.514	25.728	0.18	25.400	4.88	17.9
20	-1.660	32.021	-1.77	-1.660	393.2	105.18	0.103	52.27	25.756	30.543	25.756	0.20	25.434	5.35	19.8
22	-1.683	32.045	-1.77	-1.684	387.3	103.55	0.098	49.17	25.776	30.564	25.776	0.13	25.464	5.82	21.8
24	-1.695	32.063	-1.77	-1.695	384.3	102.74	0.104	43.55	25.791	30.579	25.791	0.09	25.491	6.29	23.8
26	-1.696	32.117	-1.78	-1.696	378.8	101.31	0.105	39.65	25.835	30.623	25.835	0.13	25.515	6.75	25.8
28	-1.680	32.135	-1.78	-1.680	377.5	101.01	0.104	37.95	25.849	30.636	25.849	0.11	25.539	7.20	27.8
30	-1.664	32.152	-1.78	-1.664	376.4	100.78	0.103	36.41	25.863	30.649	25.863	0.11	25.560	7.66	29.8
32	-1.650	32.173	-1.78	-1.651	375.1	100.48	0.103	37.14	25.879	30.665	25.879	0.15	25.579	8.11	31.7
34	-1.631	32.189	-1.79	-1.632	371.7	99.65	0.098	36.41	25.892	30.677	25.892	0.11	25.597	8.55	33.7
36	-1.630	32.206	-1.79	-1.631	367.7	98.58	0.101	42.15	25.906	30.690	25.906	0.12	25.614	9.00	35.7
38	-1.636	32.227	-1.79	-1.636	368.4	98.77	0.105	45.92	25.923	30.707	25.923	0.11	25.630	9.44	37.7
40	-1.646	32.248	-1.79	-1.646	370.1	99.21	0.107	49.90	25.940	30.725	25.940	0.15	25.645	9.88	39.7
45	-1.674	32.273	-1.80	-1.675	367.6	98.48	0.108	42.74	25.961	30.746	25.961	0.07	25.679	10.96	44.6
50	-1.696	32.298	-1.81	-1.697	371.1	99.38	0.098	35.01	25.982	30.767	25.982	0.09	25.708	12.04	49.6
55	-1.712	32.323	-1.81	-1.713	369.0	98.79	0.093	31.48	26.002	30.788	26.002	0.05	25.735	13.10	54.5
60	-1.714	32.330	-1.82	-1.715	365.0	97.74	0.092	30.08	26.008	30.794	26.008	0.06	25.757	14.16	59.5
65	-1.723	32.339	-1.82	-1.724	365.7	97.89	0.093	30.96	26.015	30.802	26.016	0.09	25.777	15.22	64.5
70	-1.698	32.362	-1.82	-1.699	359.8	96.41	0.095	31.40	26.034	30.819	26.034	0.08	25.795	16.27	69.4
75	-1.711	32.391	-1.83	-1.712	363.5	97.37	0.089	28.76	26.058	30.843	26.058	0.10	25.811	17.31	74.4
80	-1.721	32.423	-1.84	-1.723	363.7	97.42	0.087	25.67	26.084	30.870	26.084	0.10	25.828	18.34	79.3
85	-1.719	32.451	-1.84	-1.721	361.4	96.84	0.088	27.51	26.107	30.892	26.107	0.08	25.844	19.35	84.3
90	-1.717	32.482	-1.85	-1.718	363.3	97.38	0.087	28.46	26.132	30.917	26.132	0.11	25.859	20.36	89.2
95	-1.683	32.532	-1.85	-1.685	359.2	96.41	0.086	31.18	26.172	30.955	26.172	0.18	25.874	21.35	94.2
100	-1.619	32.591	-1.86	-1.621	356.6	95.92	0.086	59.45	26.218	30.999	26.218	0.14	25.890	22.31	99.1
105	-1.487	32.821	-1.88	-1.489	353.4	95.56	0.087	58.71	26.402	31.177	26.402	0.56	25.909	23.23	104.1
110	-1.356	33.018	-1.89	-1.358	344.9	93.74	0.085	68.59	26.558	31.327	26.558	0.33	25.936	24.05	109.0
115	-1.294	33.105	-1.90	-1.296	337.5	91.97	0.086	86.40	26.627	31.393	26.627	0.11	25.965	24.82	114.0
120	-1.210	33.234	-1.91	-1.212	336.3	91.93	0.086	126.02	26.729	31.492	26.729	0.30	25.995	25.55	118.9
125	-1.133	33.343	-1.92	-1.136	327.0	89.66	0.084	139.05	26.815	31.575	26.815	0.07	26.027	26.23	123.9
126	-1.130	33.349	-1.92	-1.133	324.2	88.90	0.086	140.32	26.820	31.579	26.820	0.13	26.033	26.36	124.9

NEWP 92 STA 63 CTD 102

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.959	31.187	-1.71	-0.959	380.7	103.16	0.293	366.89	25.063	29.835	25.063	0.08	25.062	0.00	0.0
2	-1.004	31.254	-1.71	-1.004	383.6	103.86	0.309	364.64	25.118	29.891	25.118	0.73	25.080	0.60	2.0
4	-1.310	31.685	-1.74	-1.311	385.3	103.79	0.431	342.10	25.476	30.255	25.476	0.05	25.218	1.15	4.0
6	-1.343	31.738	-1.74	-1.343	391.3	105.37	0.457	345.51	25.519	30.299	25.519	0.37	25.310	1.68	6.0
8	-1.410	31.856	-1.75	-1.410	397.1	106.82	0.552	276.30	25.617	30.397	25.617	0.32	25.376	2.18	7.9
10	-1.432	31.872	-1.75	-1.432	397.5	106.87	0.536	217.03	25.630	30.411	25.630	0.08	25.426	2.68	9.9
12	-1.415	31.892	-1.75	-1.415	395.8	106.48	0.318	196.26	25.646	30.426	25.646	0.08	25.462	3.18	11.9
14	-1.502	31.934	-1.76	-1.502	396.1	106.36	0.252	140.14	25.682	30.465	25.682	0.27	25.490	3.67	13.9
16	-1.580	31.974	-1.76	-1.580	395.9	106.10	0.121	97.93	25.716	30.501	25.716	0.17	25.516	4.15	15.9
18	-1.628	32.003	-1.76	-1.628	391.3	104.77	0.110	60.27	25.741	30.528	25.741	0.19	25.539	4.63	17.9
20	-1.676	32.043	-1.77	-1.676	389.1	104.06	0.102	44.88	25.774	30.562	25.774	0.16	25.562	5.10	19.8
22	-1.697	32.063	-1.77	-1.698	386.3	103.26	0.111	39.20	25.791	30.579	25.791	0.10	25.582	5.57	21.8
24	-1.714	32.079	-1.77	-1.714	383.5	102.49	0.103	35.15	25.804	30.592	25.804	0.15	25.600	6.03	23.8
26	-1.723	32.112	-1.78	-1.723	380.7	101.74	0.104	36.63	25.831	30.619	25.831	0.09	25.617	6.49	25.8
28	-1.725	32.121	-1.78	-1.725	379.3	101.35	0.106	35.89	25.838	30.627	25.838	0.09	25.632	6.95	27.8
30	-1.719	32.131	-1.78	-1.719	378.2	101.09	0.104	35.15	25.847	30.635	25.847	0.11	25.646	7.41	29.8
32	-1.641	32.153	-1.78	-1.642	376.3	100.83	0.103	36.33	25.863	30.649	25.863	0.13	25.659	7.86	31.7
34	-1.661	32.196	-1.79	-1.661	375.9	100.68	0.098	32.29	25.898	30.684	25.898	0.22	25.672	8.31	33.7
36	-1.662	32.224	-1.79	-1.663	375.2	100.52	0.100	35.89	25.921	30.706	25.921	0.13	25.685	8.75	35.7
38	-1.670	32.241	-1.79	-1.670	375.1	100.48	0.102	34.64	25.935	30.720	25.935	0.13	25.698	9.19	37.7
40	-1.676	32.254	-1.80	-1.677	374.3	100.27	0.103	33.98	25.946	30.732	25.946	0.07	25.710	9.63	39.7
45	-1.702	32.298	-1.80	-1.703	374.7	100.33	0.108	36.41	25.982	30.768	25.982	0.09	25.739	10.71	44.6
50	-1.710	32.312	-1.81	-1.711	370.8	99.28	0.099	28.76	25.993	30.779	25.993	0.07	25.764	11.77	49.6
55	-1.724	32.328	-1.81	-1.725	369.3	98.85	0.094	27.07	26.007	30.793	26.007	0.05	25.785	12.83	54.5
60	-1.727	32.343	-1.82	-1.728	370.3	99.13	0.093	28.68	26.019	30.805	26.019	0.08	25.804	13.89	59.5
65	-1.736	32.359	-1.82	-1.737	369.3	98.84	0.091	22.45	26.032	30.819	26.032	0.08	25.821	14.94	64.4
70	-1.738	32.377	-1.83	-1.739	369.3	98.84	0.102	24.79	26.047	30.833	26.047	0.07	25.837	15.98	69.4
75	-1.756	32.401	-1.83	-1.757	364.8	97.63	0.087	24.21	26.067	30.854	26.067	0.07	25.852	17.02	74.4
80	-1.725	32.426	-1.84	-1.726	365.3	97.86	0.105	25.09	26.087	30.872	26.087	0.09	25.866	18.04	79.3
85	-1.721	32.459	-1.84	-1.722	364.5	97.69	0.090	21.79	26.114	30.899	26.114	0.11	25.879	19.06	84.3
90	-1.712	32.498	-1.85	-1.713	363.8	97.53	0.089	25.89	26.145	30.929	26.145	0.08	25.893	20.06	89.2
95	-1.686	32.565	-1.86	-1.688	363.4	97.54	0.089	25.53	26.198	30.982	26.198	0.24	25.908	21.04	94.2
100	-1.650	32.636	-1.86	-1.651	361.4	97.17	0.088	28.17	26.256	31.037	26.256	0.25	25.924	21.99	99.1
105	-1.490	32.839	-1.88	-1.492	356.5	96.41	0.087	43.33	26.417	31.191	26.417	0.54	25.942	22.89	104.1
110	-1.382	32.980	-1.89	-1.384	350.9	95.29	0.087	65.24	26.528	31.298	26.528	0.19	25.967	23.72	109.0
115	-1.295	33.108	-1.90	-1.297	341.4	93.02	0.086	94.41	26.629	31.396	26.629	0.33	25.993	24.50	114.0
120	-1.207	33.240	-1.91	-1.209	324.2	88.63	0.090	106.71	26.734	31.497	26.734	0.08	26.023	25.22	118.9
123	-1.183	33.281	-1.92	-1.186	319.8	87.51	0.088	131.60	26.767	31.528	26.767	0.16	26.041	25.64	121.9

NEWP 92 STA 64 CTD 103

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.426	31.438	-1.72	-1.426	428.0	114.72	0.133	368.80	25.278	30.063	25.278	0.04	25.278	0.00	0.0
2	-1.433	31.447	-1.72	-1.433	428.5	114.82	0.141	369.04	25.285	30.070	25.285	0.12	25.280	0.57	2.0
4	-1.464	31.459	-1.72	-1.464	399.3	106.93	0.144	362.85	25.296	30.082	25.296	0.39	25.280	1.13	4.0
6	-1.476	31.486	-1.73	-1.476	399.9	107.07	0.150	366.17	25.317	30.104	25.317	0.03	25.292	1.69	6.0
8	-1.477	31.484	-1.73	-1.477	412.1	110.33	0.173	367.03	25.316	30.102	25.316	0.00	25.299	2.25	7.9
10	-1.477	31.535	-1.73	-1.477	417.8	111.91	0.191	356.14	25.357	30.143	25.357	0.42	25.304	2.80	9.9
12	-1.480	31.553	-1.74	-1.480	424.6	113.73	0.251	348.19	25.372	30.157	25.372	-0.04	25.316	3.35	11.9
14	-1.492	31.557	-1.74	-1.493	427.0	114.35	0.198	342.87	25.376	30.162	25.376	0.22	25.323	3.90	13.9
16	-1.512	31.568	-1.74	-1.512	424.3	113.56	0.176	361.37	25.385	30.172	25.385	0.16	25.330	4.44	15.9
18	-1.518	31.586	-1.74	-1.518	422.4	113.06	0.193	356.49	25.400	30.187	25.400	0.11	25.337	4.99	17.9
20	-1.516	31.623	-1.75	-1.517	422.0	112.99	0.340	357.25	25.430	30.216	25.430	0.16	25.345	5.52	19.8
22	-1.511	31.657	-1.75	-1.511	424.1	113.61	0.321	371.21	25.458	30.243	25.458	0.17	25.354	6.06	21.8
24	-1.483	31.703	-1.75	-1.484	429.2	115.09	0.499	427.30	25.494	30.278	25.494	0.08	25.364	6.58	23.8
26	-1.487	31.913	-1.77	-1.488	421.3	113.14	0.319	168.12	25.664	30.447	25.665	0.31	25.380	7.09	25.8
28	-1.500	31.962	-1.77	-1.501	416.6	111.89	0.225	116.44	25.704	30.487	25.704	0.24	25.402	7.58	27.8
30	-1.513	32.010	-1.77	-1.513	412.1	110.67	0.132	65.55	25.744	30.527	25.744	0.24	25.424	8.06	29.8
32	-1.544	32.061	-1.78	-1.544	405.0	108.73	0.095	51.38	25.786	30.569	25.786	0.29	25.445	8.53	31.7
34	-1.571	32.094	-1.78	-1.571	397.9	106.76	0.112	54.86	25.814	30.597	25.814	0.13	25.466	8.99	33.7
36	-1.584	32.124	-1.78	-1.585	392.3	105.26	0.096	50.13	25.838	30.622	25.838	0.18	25.486	9.45	35.7
38	-1.597	32.143	-1.79	-1.598	387.1	103.82	0.094	47.84	25.854	30.638	25.854	0.11	25.505	9.90	37.7
40	-1.620	32.169	-1.79	-1.621	385.6	103.39	0.093	47.17	25.875	30.660	25.875	0.12	25.523	10.35	39.7
45	-1.640	32.223	-1.80	-1.641	381.9	102.39	0.091	44.96	25.920	30.705	25.920	0.14	25.565	11.46	44.6
50	-1.666	32.277	-1.80	-1.667	380.3	101.92	0.099	45.62	25.965	30.750	25.965	0.09	25.603	12.55	49.6
55	-1.675	32.335	-1.81	-1.676	377.2	101.09	0.091	42.89	26.012	30.797	26.012	0.11	25.639	13.62	54.5
60	-1.689	32.405	-1.82	-1.690	374.3	100.33	0.086	40.90	26.068	30.853	26.068	0.16	25.672	14.66	59.5
65	-1.713	32.454	-1.83	-1.714	370.6	99.33	0.083	37.66	26.109	30.894	26.109	0.09	25.704	15.68	64.5
70	-1.715	32.485	-1.83	-1.716	368.2	98.71	0.083	37.29	26.134	30.919	26.134	0.08	25.734	16.68	69.4
75	-1.711	32.510	-1.84	-1.713	367.5	98.54	0.090	36.48	26.154	30.939	26.154	0.06	25.762	17.67	74.4
80	-1.698	32.546	-1.84	-1.699	364.9	97.91	0.083	37.80	26.184	30.967	26.184	0.12	25.787	18.65	79.3
85	-1.659	32.619	-1.85	-1.661	362.3	97.37	0.083	36.77	26.242	31.024	26.242	0.12	25.812	19.61	84.3
90	-1.629	32.742	-1.86	-1.631	358.6	96.55	0.081	38.47	26.341	31.121	26.341	0.45	25.838	20.53	89.2
95	-1.605	32.839	-1.87	-1.607	353.4	95.29	0.082	38.10	26.419	31.198	26.419	0.08	25.868	21.40	94.2
100	-1.592	32.889	-1.88	-1.594	350.8	94.65	0.084	38.61	26.459	31.237	26.459	0.31	25.896	22.25	99.1
105	-1.565	32.989	-1.89	-1.567	350.4	94.68	0.083	37.58	26.541	31.316	26.541	0.12	25.926	23.06	104.1
110	-1.543	33.109	-1.90	-1.545	355.0	96.08	0.082	38.03	26.638	31.411	26.638	0.28	25.955	23.84	109.0
115	-1.523	33.218	-1.91	-1.525	351.1	95.15	0.082	38.84	26.725	31.497	26.725	0.30	25.987	24.57	114.0
120	-1.503	33.328	-1.92	-1.505	348.8	94.67	0.081	39.35	26.814	31.585	26.814	0.16	26.020	25.26	118.9
125	-1.323	33.460	-1.93	-1.326	343.9	93.89	0.081	48.06	26.916	31.680	26.916	0.12	26.053	25.90	123.9
150	-0.688	33.945	-1.98	-0.693	317.4	88.47	0.078	81.77	27.286	32.027	27.286	0.26	26.228	28.53	148.6
175	-0.806	34.262	-2.01	-0.811	320.0	89.14	0.078	44.73	27.547	32.289	27.548	0.09	26.398	30.41	173.4
200	-0.130	34.450	-2.04	-0.137	302.9	86.04	0.078	89.91	27.669	32.389	27.669	0.05	26.550	31.81	198.1
216	-0.069	34.495	-2.06	-0.077	278.8	79.35	0.078	113.59	27.702	32.420	27.702	0.05	26.634	32.60	213.9

NEWP 92 STA 64 CTD 104

Press	Temp	Salnty	Frr.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.185	30.810	-1.68	-1.185	376.5	101.08	0.131	349.03	24.763	29.546	24.763	0.08	24.762	0.00	0.0
2	-1.202	31.087	-1.70	-1.202	372.5	100.17	0.145	345.72	24.988	29.769	24.988	4.00	24.788	0.66	2.0
4	-1.388	31.416	-1.72	-1.388	376.5	100.99	0.123	348.87	25.259	30.043	25.259	0.27	25.003	1.24	4.0
6	-1.459	31.402	-1.72	-1.460	385.4	103.18	0.146	348.71	25.249	30.036	25.249	0.04	25.085	1.81	6.0
8	-1.449	31.414	-1.72	-1.449	397.1	106.34	0.133	352.78	25.258	30.044	25.258	0.17	25.126	2.38	7.9
10	-1.491	31.449	-1.73	-1.491	406.6	108.79	0.189	353.48	25.288	30.075	25.288	0.02	25.157	2.95	9.9
12	-1.496	31.450	-1.73	-1.497	408.3	109.23	0.236	347.18	25.289	30.076	25.289	0.13	25.178	3.51	11.9
14	-1.497	31.455	-1.73	-1.497	409.6	109.58	0.197	342.73	25.293	30.080	25.293	0.03	25.194	4.07	13.9
16	-1.515	31.478	-1.73	-1.515	411.7	110.11	0.235	341.20	25.312	30.100	25.312	0.18	25.208	4.63	15.9
18	-1.502	31.556	-1.74	-1.502	413.1	110.58	0.331	371.21	25.375	30.162	25.375	0.30	25.222	5.19	17.9
20	-1.482	31.598	-1.74	-1.482	413.5	110.81	0.399	397.60	25.409	30.194	25.409	0.32	25.239	5.73	19.8
22	-1.475	31.631	-1.75	-1.476	413.1	110.73	0.577	402.53	25.436	30.221	25.436	0.19	25.256	6.27	21.8
24	-1.479	31.673	-1.75	-1.480	411.7	110.39	0.505	366.51	25.470	30.254	25.470	0.24	25.272	6.80	23.8
26	-1.476	31.767	-1.76	-1.476	410.6	110.18	0.335	189.24	25.546	30.330	25.546	0.19	25.291	7.32	25.8
28	-1.471	31.828	-1.76	-1.472	406.1	109.03	0.191	111.53	25.595	30.378	25.595	0.49	25.310	7.83	27.8
30	-1.485	31.915	-1.77	-1.486	401.2	107.75	0.101	37.73	25.667	30.449	25.667	0.10	25.332	8.32	29.8
32	-1.508	31.948	-1.77	-1.508	395.2	106.11	0.095	36.55	25.693	30.476	25.693	0.27	25.354	8.81	31.7
34	-1.540	31.985	-1.78	-1.541	392.2	105.24	0.092	37.58	25.724	30.508	25.724	0.13	25.375	9.29	33.7
36	-1.570	32.023	-1.78	-1.570	389.8	104.52	0.088	43.92	25.756	30.540	25.756	0.18	25.395	9.77	35.7
38	-1.589	32.061	-1.78	-1.590	386.8	103.71	0.086	36.04	25.787	30.571	25.787	0.13	25.415	10.23	37.7
40	-1.610	32.075	-1.78	-1.611	384.9	103.16	0.080	38.76	25.799	30.584	25.799	0.14	25.434	10.70	39.7
45	-1.637	32.154	-1.79	-1.638	379.2	101.61	0.079	30.45	25.864	30.649	25.864	0.17	25.478	11.84	44.6
50	-1.669	32.230	-1.80	-1.669	378.4	101.37	0.077	32.43	25.926	30.712	25.926	0.12	25.520	12.95	49.6
55	-1.674	32.272	-1.81	-1.675	374.8	100.41	0.076	29.20	25.960	30.746	25.960	0.09	25.559	14.04	54.5
60	-1.687	32.342	-1.82	-1.688	374.6	100.38	0.074	26.33	26.017	30.802	26.017	0.18	25.594	15.11	59.5
65	-1.700	32.396	-1.82	-1.701	373.2	100.00	0.073	25.31	26.062	30.847	26.062	0.15	25.629	16.15	64.5
70	-1.718	32.438	-1.83	-1.719	373.0	99.94	0.088	24.94	26.096	30.882	26.096	0.09	25.661	17.18	69.4
75	-1.713	32.473	-1.83	-1.715	373.2	100.03	0.070	23.25	26.124	30.909	26.124	0.08	25.691	18.19	74.4
80	-1.688	32.533	-1.84	-1.689	370.6	99.44	0.067	23.62	26.172	30.956	26.172	0.18	25.719	19.18	79.3
85	-1.650	32.630	-1.85	-1.651	368.8	99.16	0.067	22.81	26.250	31.032	26.250	0.18	25.748	20.14	84.3
90	-1.620	32.760	-1.86	-1.622	366.1	98.60	0.069	23.55	26.356	31.135	26.356	0.39	25.778	21.05	89.2
95	-1.600	32.842	-1.87	-1.602	361.9	97.59	0.069	23.84	26.421	31.199	26.421	0.15	25.811	21.92	94.2
100	-1.585	32.893	-1.88	-1.587	359.0	96.88	0.069	23.69	26.463	31.240	26.463	0.15	25.842	22.77	99.1
105	-1.557	32.990	-1.89	-1.559	356.9	96.47	0.067	24.06	26.541	31.316	26.541	0.16	25.874	23.59	104.1
110	-1.553	33.091	-1.90	-1.555	355.6	96.19	0.067	23.33	26.622	31.397	26.622	0.17	25.906	24.37	109.0
115	-1.501	33.209	-1.91	-1.503	353.3	95.81	0.066	24.72	26.717	31.489	26.717	0.13	25.939	25.11	114.0
120	-1.482	33.315	-1.92	-1.485	352.0	95.58	0.068	25.89	26.802	31.573	26.802	0.40	25.973	25.80	118.9
125	-1.246	33.443	-1.93	-1.249	348.4	95.29	0.066	40.24	26.899	31.661	26.899	0.19	26.008	26.45	123.9
150	-0.685	33.936	-1.97	-0.690	325.3	90.69	0.063	67.10	27.278	32.019	27.278	-0.10	26.190	29.09	148.6
175	-0.764	34.254	-2.01	-0.769	326.8	91.14	0.064	30.15	27.540	32.280	27.540	0.05	26.365	30.96	173.4
200	-0.115	34.451	-2.04	-0.122	311.4	88.48	0.064	79.08	27.669	32.389	27.669	0.07	26.521	32.37	198.1
219	-0.046	34.513	-2.06	-0.054	289.1	82.35	0.063	102.18	27.716	32.433	27.716	0.09	26.622	33.31	216.9

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.212	31.127	-1.70	-1.212	343.8	92.48	0.092	324.86	25.020	29.801	25.020	0.08	25.020	0.00	0.0
2	-1.249	31.165	-1.71	-1.249	351.6	94.50	0.091	326.22	25.052	29.834	25.052	0.33	25.032	0.61	2.0
4	-1.387	31.308	-1.72	-1.387	371.8	99.65	0.105	341.52	25.172	29.957	25.172	0.46	25.075	1.21	4.0
6	-1.435	31.358	-1.72	-1.435	385.9	103.34	0.097	339.34	25.213	29.999	25.213	0.07	25.118	1.79	6.0
8	-1.468	31.389	-1.72	-1.469	397.7	106.42	0.103	326.95	25.239	30.025	25.239	0.15	25.145	2.37	7.9
10	-1.488	31.429	-1.73	-1.488	403.7	108.00	0.116	318.25	25.272	30.059	25.272	0.34	25.166	2.94	9.9
12	-1.361	31.425	-1.73	-1.361	401.6	107.83	0.117	333.70	25.266	30.049	25.266	0.09	25.185	3.50	11.9
14	-1.495	31.461	-1.73	-1.495	402.2	107.60	0.142	329.15	25.298	30.085	25.298	0.27	25.199	4.07	13.9
16	-1.505	31.526	-1.74	-1.505	405.6	108.55	0.179	352.83	25.351	30.138	25.351	0.32	25.215	4.62	15.9
18	-1.493	31.574	-1.74	-1.493	407.4	109.10	0.524	411.37	25.390	30.176	25.390	0.23	25.232	5.17	17.9
20	-1.487	31.619	-1.74	-1.487	407.5	109.19	0.443	395.57	25.426	30.211	25.426	0.39	25.250	5.71	19.8
22	-1.476	31.728	-1.75	-1.476	406.8	109.13	0.483	283.39	25.515	30.299	25.515	0.32	25.271	6.23	21.8
24	-1.497	31.821	-1.76	-1.497	405.6	108.82	0.276	168.89	25.590	30.374	25.590	0.42	25.294	6.75	23.8
26	-1.483	31.871	-1.76	-1.483	403.0	108.22	0.166	88.29	25.631	30.414	25.631	0.28	25.319	7.25	25.8
28	-1.491	31.919	-1.77	-1.492	396.9	106.59	0.115	53.98	25.670	30.452	25.670	0.14	25.343	7.74	27.8
30	-1.519	31.967	-1.77	-1.519	391.9	105.20	0.093	41.27	25.709	30.493	25.709	0.28	25.366	8.22	29.8
32	-1.547	32.005	-1.77	-1.548	389.5	104.51	0.088	36.11	25.741	30.525	25.741	0.17	25.388	8.70	31.7
34	-1.570	32.022	-1.78	-1.571	387.4	103.88	0.086	34.57	25.755	30.539	25.755	0.07	25.410	9.18	33.7
36	-1.581	32.033	-1.78	-1.582	383.4	102.80	0.089	34.05	25.764	30.549	25.764	0.13	25.429	9.65	35.7
38	-1.595	32.052	-1.78	-1.596	381.4	102.24	0.086	35.08	25.780	30.565	25.780	0.12	25.447	10.12	37.7
40	-1.602	32.072	-1.78	-1.603	379.5	101.73	0.083	33.61	25.796	30.581	25.796	0.10	25.464	10.58	39.7
45	-1.616	32.128	-1.79	-1.616	375.5	100.65	0.082	32.65	25.842	30.627	25.842	0.08	25.504	11.73	44.6
50	-1.649	32.162	-1.80	-1.650	375.0	100.44	0.080	35.89	25.870	30.656	25.870	0.10	25.539	12.86	49.6
55	-1.638	32.246	-1.81	-1.639	373.4	100.12	0.078	31.48	25.938	30.723	25.938	0.14	25.572	13.97	54.5
60	-1.677	32.322	-1.81	-1.678	373.8	100.19	0.077	29.12	26.001	30.786	26.001	0.12	25.605	15.05	59.5
65	-1.681	32.374	-1.82	-1.682	367.8	98.60	0.076	28.10	26.043	30.828	26.043	0.12	25.637	16.10	64.5
70	-1.705	32.422	-1.83	-1.706	366.9	98.32	0.073	26.48	26.083	30.868	26.083	0.12	25.668	17.13	69.4
75	-1.713	32.452	-1.83	-1.715	367.3	98.43	0.074	25.82	26.107	30.892	26.107	0.13	25.696	18.15	74.4
80	-1.695	32.497	-1.84	-1.696	365.3	97.98	0.072	27.73	26.143	30.927	26.143	0.12	25.723	19.15	79.3
85	-1.663	32.602	-1.85	-1.664	363.0	97.54	0.071	27.00	26.229	31.010	26.229	0.21	25.750	20.12	84.3
90	-1.645	32.664	-1.86	-1.646	359.7	96.75	0.072	27.14	26.278	31.059	26.278	0.20	25.778	21.06	89.2
95	-1.622	32.748	-1.87	-1.624	359.2	96.73	0.072	27.14	26.346	31.125	26.346	0.12	25.806	21.97	94.2
100	-1.589	32.877	-1.88	-1.591	356.3	96.14	0.073	27.58	26.450	31.228	26.450	0.16	25.835	22.84	99.1
105	-1.569	32.967	-1.88	-1.571	353.3	95.45	0.073	27.51	26.523	31.299	26.523	0.14	25.867	23.66	104.1
110	-1.544	33.082	-1.89	-1.546	350.0	94.71	0.072	26.92	26.615	31.389	26.615	0.15	25.899	24.44	109.0
115	-1.514	33.215	-1.91	-1.516	347.2	94.12	0.087	27.95	26.722	31.494	26.722	0.24	25.932	25.18	114.0
120	-1.524	33.333	-1.92	-1.527	346.7	94.04	0.070	27.29	26.819	31.590	26.819	0.41	25.967	25.87	118.9
125	-1.130	33.515	-1.93	-1.133	339.4	93.17	0.071	49.98	26.954	31.712	26.954	0.47	26.004	26.50	123.9
150	-1.004	33.963	-1.98	-1.008	327.8	90.60	0.068	45.11	27.313	32.063	27.313	0.05	26.189	29.09	148.6
175	-0.327	34.283	-2.01	-0.333	304.5	85.94	0.067	75.58	27.543	32.271	27.544	0.09	26.366	30.94	173.4

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
65	106	10 AUG 92	0846	78 18.84	-16 44.60	525	23	58

Pres dbar	BNL_ID	CTD Tem C	CTD Sal P78	Theta C	Sig-Th	Bot Sal P78	Bot DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	1155	-1.377	31.578	-1.377	25.390	31.352	373.9	3.30	.06	.14	.95	10.83
9	1154	-1.490	31.880	-1.490	25.638	31.887	372.7	3.45	.07	.11	1.05	10.99
16	1152	-1.602	32.034	-1.602	25.766	32.040		3.79	.10	.08	1.06	11.11
16	1153	-1.600	32.027	-1.600	25.760	32.041	370.9	3.78	.10	.07	1.07	11.11
26	1151	-1.648	32.147	-1.649	25.858		366.5	4.18	.11	.02	1.06	11.03
41	1150	-1.732	32.308	-1.733	25.991	32.304	364.7	4.24	.03	.02	1.04	9.39
63	1149	-1.729	32.440	-1.730	26.098	32.435	361.7	4.70	.01	.01	1.06	9.81
94	1148	-1.555	32.808	-1.557	26.393	32.854	359.3	6.55	.02	0.00	1.12	10.80

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	1155	.35	.10	5.1	.5			51500			
9	1154	.14	.10	4.7	.6			54600			
16	1152			4.4	.5						
16	1153	.18	.14					53900			
26	1151	.16	.09	2.5	.4			50600			
41	1150	.09	.05	.2	5.0			56400			
63	1149	.06	.04	1.1	.2			35300			
94	1148	.02	.02	2.1	.1			29000			

NEWP 92 STA 65 CTD 106

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.St	Depth
0	-1.362	31.698	-1.73	-1.362	363.9	97.91	0.078	47.69	25.487	30.268	25.487	0.06	25.487	0.00	0.0
2	-1.380	31.697	-1.74	-1.380	364.9	98.13	0.078	48.28	25.487	30.268	25.487	0.11	25.487	0.52	2.0
4	-1.396	31.665	-1.74	-1.396	366.6	98.51	0.077	48.43	25.461	30.243	25.461	-0.12	25.483	1.05	4.0
6	-1.397	31.673	-1.74	-1.397	369.2	99.22	0.077	48.80	25.468	30.250	25.468	-0.13	25.478	1.58	6.0
8	-1.444	31.748	-1.74	-1.444	372.3	99.97	0.077	47.98	25.530	30.313	25.530	1.21	25.477	2.11	7.9
10	-1.545	31.858	-1.75	-1.545	375.1	100.52	0.077	39.72	25.621	30.406	25.621	0.12	25.503	2.61	9.9
12	-1.556	31.873	-1.75	-1.556	376.2	100.81	0.078	39.06	25.634	30.419	25.634	0.11	25.523	3.11	11.9
14	-1.571	31.888	-1.75	-1.571	377.0	101.00	0.078	38.91	25.647	30.432	25.647	0.15	25.540	3.60	13.9
16	-1.580	31.938	-1.76	-1.580	376.4	100.84	0.077	38.69	25.687	30.472	25.687	0.39	25.555	4.09	15.9
18	-1.586	31.974	-1.76	-1.586	376.4	100.87	0.079	37.95	25.716	30.502	25.716	0.29	25.572	4.57	17.9
20	-1.593	32.039	-1.77	-1.594	376.5	100.92	0.081	40.97	25.770	30.554	25.770	0.39	25.589	5.05	19.8
22	-1.618	32.078	-1.77	-1.618	377.7	101.19	0.085	42.59	25.802	30.587	25.802	0.21	25.607	5.52	21.8
24	-1.613	32.106	-1.77	-1.614	377.0	101.04	0.085	42.89	25.824	30.609	25.824	0.10	25.624	5.98	23.8
26	-1.630	32.122	-1.78	-1.630	376.9	101.00	0.087	42.60	25.838	30.623	25.838	0.14	25.640	6.43	25.8
28	-1.645	32.142	-1.78	-1.645	377.6	101.13	0.088	40.90	25.854	30.640	25.854	0.09	25.655	6.89	27.8
30	-1.665	32.165	-1.78	-1.665	378.1	101.23	0.087	39.28	25.873	30.659	25.873	0.18	25.669	7.34	29.8
32	-1.684	32.203	-1.79	-1.685	377.4	101.03	0.088	36.41	25.904	30.691	25.904	0.19	25.683	7.79	31.7
34	-1.694	32.239	-1.79	-1.695	374.8	100.32	0.086	31.48	25.934	30.720	25.934	0.16	25.697	8.23	33.7
36	-1.702	32.258	-1.79	-1.703	373.7	100.03	0.083	29.12	25.949	30.736	25.949	0.09	25.710	8.66	35.7
38	-1.710	32.281	-1.80	-1.711	373.3	99.91	0.083	27.07	25.969	30.755	25.969	0.09	25.723	9.10	37.7
40	-1.713	32.290	-1.80	-1.714	373.7	100.04	0.081	29.42	25.976	30.762	25.976	0.07	25.736	9.53	39.7
45	-1.721	32.319	-1.80	-1.722	373.6	100.01	0.080	23.84	25.999	30.786	25.999	0.08	25.764	10.59	44.6
50	-1.729	32.359	-1.81	-1.729	374.6	100.27	0.076	23.25	26.032	30.818	26.032	0.08	25.789	11.65	49.6
55	-1.741	32.398	-1.82	-1.742	371.6	99.48	0.076	23.33	26.064	30.851	26.064	0.09	25.813	12.69	54.5
60	-1.740	32.416	-1.82	-1.741	370.9	99.30	0.075	23.47	26.079	30.865	26.079	0.09	25.834	13.72	59.5
65	-1.725	32.445	-1.83	-1.726	372.9	99.90	0.075	23.40	26.102	30.887	26.102	0.09	25.854	14.73	64.4
70	-1.720	32.473	-1.83	-1.721	370.2	99.22	0.074	23.25	26.125	30.910	26.125	0.11	25.873	15.74	69.4
75	-1.700	32.529	-1.84	-1.701	370.3	99.34	0.074	24.06	26.170	30.953	26.170	0.13	25.891	16.73	74.4
80	-1.671	32.606	-1.85	-1.672	368.6	99.02	0.073	23.55	26.232	31.014	26.232	0.12	25.910	17.70	79.3
85	-1.658	32.670	-1.85	-1.659	368.1	98.97	0.073	23.18	26.283	31.065	26.283	0.20	25.930	18.63	84.3
90	-1.598	32.746	-1.86	-1.600	365.0	98.35	0.074	24.72	26.344	31.123	26.344	0.23	25.952	19.54	89.2
95	-1.531	32.855	-1.87	-1.533	359.2	97.06	0.073	27.07	26.431	31.206	26.431	0.28	25.975	20.42	94.2
100	-1.595	32.944	-1.88	-1.597	355.1	95.83	0.073	25.01	26.504	31.281	26.504	0.13	26.000	21.25	99.1

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Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Oxt	Fluor	[SEM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.332	31.531	-1.73	-1.332	325.0	87.41	0.085	44.00	25.351	30.132	25.351	0.09	25.350	0.00	0.0
2	-1.368	31.610	-1.73	-1.368	325.9	87.61	0.083	44.51	25.416	30.198	25.416	0.80	25.368	0.55	2.0
4	-1.439	31.773	-1.74	-1.439	329.4	88.48	0.093	39.94	25.550	30.332	25.550	0.30	25.430	1.07	4.0
6	-1.471	31.806	-1.74	-1.471	333.8	89.61	0.081	38.76	25.577	30.360	25.577	0.18	25.474	1.58	6.0
8	-1.510	31.826	-1.75	-1.510	339.3	91.01	0.081	38.03	25.594	30.378	25.594	0.07	25.502	2.09	7.9
10	-1.516	31.832	-1.75	-1.516	343.6	92.16	0.081	35.52	25.599	30.383	25.599	0.14	25.521	2.59	9.9
12	-1.537	31.850	-1.75	-1.537	347.5	93.16	0.083	38.92	25.614	30.399	25.614	0.18	25.535	3.09	11.9
14	-1.563	31.868	-1.75	-1.564	349.2	93.55	0.082	33.39	25.630	30.416	25.630	0.09	25.548	3.59	13.9
16	-1.570	31.884	-1.76	-1.570	350.3	93.83	0.084	34.79	25.643	30.429	25.643	0.08	25.559	4.09	15.9
18	-1.574	31.906	-1.76	-1.575	350.5	93.91	0.082	32.65	25.661	30.446	25.661	0.26	25.569	4.58	17.9
20	-1.573	31.943	-1.76	-1.574	350.5	93.92	0.084	33.31	25.691	30.476	25.691	0.19	25.580	5.07	19.8
22	-1.572	31.998	-1.77	-1.572	350.4	93.94	0.083	39.28	25.736	30.520	25.736	0.28	25.592	5.55	21.8
24	-1.587	32.031	-1.77	-1.588	350.5	93.96	0.088	36.77	25.763	30.548	25.763	0.14	25.606	6.02	23.8
26	-1.605	32.060	-1.77	-1.606	351.6	94.22	0.091	39.13	25.787	30.572	25.787	0.22	25.618	6.49	25.8
28	-1.622	32.097	-1.78	-1.623	351.6	94.20	0.090	37.66	25.817	30.603	25.817	0.16	25.632	6.95	27.8
30	-1.632	32.116	-1.78	-1.633	351.1	94.07	0.091	36.48	25.833	30.618	25.833	0.09	25.645	7.41	29.8
32	-1.640	32.139	-1.78	-1.640	350.5	93.89	0.091	35.01	25.851	30.637	25.851	0.21	25.657	7.87	31.7
34	-1.671	32.169	-1.79	-1.671	350.8	93.92	0.091	31.77	25.877	30.663	25.877	0.13	25.669	8.32	33.7
36	-1.680	32.188	-1.79	-1.680	350.1	93.73	0.089	28.98	25.892	30.678	25.892	0.11	25.681	8.77	35.7
38	-1.677	32.209	-1.79	-1.677	350.3	93.79	0.087	29.42	25.909	30.695	25.909	0.15	25.693	9.21	37.7
40	-1.688	32.229	-1.79	-1.688	349.8	93.65	0.087	28.17	25.926	30.712	25.926	0.16	25.704	9.65	39.7
45	-1.700	32.275	-1.80	-1.701	349.3	93.53	0.084	22.52	25.963	30.749	25.963	0.11	25.731	10.74	44.6
50	-1.711	32.329	-1.81	-1.712	347.1	92.93	0.081	19.59	26.008	30.794	26.008	0.18	25.756	11.81	49.6
55	-1.727	32.381	-1.81	-1.728	346.8	92.85	0.078	19.37	26.050	30.836	26.050	0.10	25.781	12.86	54.5
60	-1.728	32.408	-1.82	-1.729	347.8	93.15	0.076	19.08	26.072	30.858	26.072	0.07	25.805	13.89	59.5
65	-1.722	32.426	-1.82	-1.723	347.1	92.98	0.076	19.44	26.087	30.872	26.087	0.07	25.826	14.91	64.4
70	-1.709	32.466	-1.83	-1.710	345.9	92.73	0.089	18.78	26.119	30.903	26.119	0.10	25.846	15.92	69.4
75	-1.693	32.515	-1.84	-1.695	344.5	92.41	0.073	19.52	26.159	30.942	26.159	0.14	25.865	16.92	74.4
80	-1.671	32.569	-1.84	-1.672	344.2	92.43	0.071	20.03	26.201	30.984	26.201	0.10	25.885	17.89	79.3
85	-1.652	32.631	-1.85	-1.653	343.8	92.41	0.073	19.96	26.251	31.033	26.251	0.28	25.905	18.85	84.3
90	-1.588	32.714	-1.86	-1.590	341.8	92.09	0.073	21.49	26.318	31.096	26.318	0.23	25.926	19.77	89.2
95	-1.544	32.818	-1.87	-1.546	340.5	91.94	0.074	22.74	26.401	31.177	26.401	0.19	25.948	20.66	94.2
100	-1.551	32.932	-1.88	-1.553	338.6	91.48	0.075	20.91	26.494	31.270	26.494	0.27	25.973	21.51	99.1
105	-1.597	33.018	-1.89	-1.599	337.6	91.16	0.074	19.08	26.565	31.341	26.565	0.18	26.000	22.31	104.1
110	-1.621	33.079	-1.89	-1.623	337.1	91.03	0.075	18.12	26.615	31.392	26.615	0.20	26.026	23.09	109.0
115	-1.626	33.138	-1.90	-1.628	335.6	90.63	0.074	16.51	26.663	31.439	26.663	0.19	26.053	23.84	114.0
120	-1.481	33.238	-1.91	-1.483	334.2	90.67	0.074	20.47	26.740	31.511	26.740	0.31	26.080	24.56	118.9
125	-1.379	33.361	-1.92	-1.382	331.5	90.29	0.073	23.69	26.837	31.604	26.837	0.23	26.108	25.24	123.9
150	-1.439	33.739	-1.96	-1.443	327.0	89.17	0.073	18.49	27.146	31.911	27.146	0.22	26.253	28.17	148.6
175	-0.826	34.128	-2.00	-0.831	312.5	86.91	0.070	21.57	27.440	32.183	27.440	0.07	26.404	30.31	173.4
200	-0.327	34.383	-2.04	-0.334	303.4	85.69	0.070	25.67	27.625	32.351	27.625	0.16	26.546	31.88	198.1
225	0.081	34.555	-2.07	0.072	298.3	85.29	0.068	24.21	27.743	32.456	27.743	0.08	26.674	33.09	222.8
250	0.442	34.690	-2.09	0.432	296.2	85.57	0.067	23.77	27.831	32.533	27.832	0.07	26.785	34.08	247.5
275	0.794	34.779	-2.12	0.782	295.6	86.24	0.066	28.98	27.881	32.573	27.882	0.08	26.882	34.90	272.2
300	0.979	34.833	-2.14	0.965	296.9	87.07	0.065	27.14	27.912	32.598	27.913	0.06	26.967	35.63	297.0
325	1.087	34.874	-2.16	1.071	297.4	87.50	0.065	26.85	27.938	32.621	27.939	0.05	27.041	36.28	321.7
350	1.073	34.891	-2.18	1.056	298.1	87.70	0.066	32.87	27.953	32.636	27.954	0.04	27.105	36.88	346.4
375	0.971	34.894	-2.20	0.954	298.0	87.42	0.065	36.33	27.962	32.648	27.964	0.04	27.162	37.46	371.1
400	0.922	34.895	-2.22	0.903	296.3	86.82	0.065	43.63	27.966	32.653	27.967	0.05	27.212	38.03	395.8
500	0.859	34.896	-2.29	0.835	289.6	84.71	0.064	148.25	27.972	32.660	27.973	0.04	27.364	40.24	494.5
512	0.859	34.897	-2.30	0.835	286.0	83.66	0.063	209.26	27.972	32.661	27.973	0.04	27.378	40.51	506.4

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.324	31.476	-1.72	-1.324	353.0	94.90	0.080	57.31	25.306	30.088	25.306	0.07	25.306	0.00	0.0
2	-1.329	31.538	-1.73	-1.329	341.5	91.84	0.078	53.76	25.357	30.138	25.357	1.28	25.315	0.56	2.0
4	-1.328	31.718	-1.74	-1.328	333.0	89.67	0.077	43.48	25.503	30.282	25.503	0.11	25.393	1.09	4.0
6	-1.398	31.761	-1.74	-1.398	338.6	91.05	0.074	41.34	25.539	30.320	25.539	0.23	25.434	1.61	6.0
8	-1.451	31.782	-1.75	-1.451	347.0	93.19	0.074	41.27	25.558	30.340	25.558	0.17	25.463	2.12	7.9
10	-1.496	31.804	-1.75	-1.496	349.5	93.77	0.077	37.95	25.576	30.360	25.576	0.09	25.484	2.63	9.9
12	-1.518	31.810	-1.75	-1.518	351.4	94.20	0.075	37.73	25.582	30.366	25.582	0.11	25.500	3.13	11.9
14	-1.569	31.850	-1.75	-1.569	353.1	94.57	0.076	32.51	25.615	30.401	25.615	0.23	25.514	3.64	13.9
16	-1.584	31.944	-1.76	-1.584	351.7	94.23	0.076	30.96	25.692	30.478	25.692	0.54	25.530	4.13	15.9
18	-1.591	32.004	-1.76	-1.591	350.5	93.93	0.078	33.46	25.741	30.526	25.741	0.19	25.552	4.61	17.9
20	-1.603	32.028	-1.77	-1.603	351.2	94.10	0.080	35.08	25.761	30.546	25.761	0.10	25.572	5.08	19.8
22	-1.610	32.038	-1.77	-1.611	350.8	93.98	0.081	34.12	25.769	30.554	25.769	0.07	25.590	5.55	21.8
24	-1.610	32.052	-1.77	-1.611	350.8	94.00	0.080	35.96	25.781	30.566	25.781	0.11	25.605	6.02	23.8
26	-1.613	32.069	-1.77	-1.613	350.4	93.89	0.083	36.55	25.794	30.579	25.794	0.12	25.619	6.49	25.8
28	-1.620	32.100	-1.78	-1.620	350.4	93.89	0.087	37.22	25.820	30.605	25.820	0.13	25.632	6.95	27.8
30	-1.632	32.120	-1.78	-1.633	349.9	93.74	0.084	35.08	25.836	30.621	25.836	0.12	25.646	7.41	29.8
32	-1.651	32.143	-1.78	-1.652	349.6	93.63	0.084	35.01	25.855	30.641	25.855	0.11	25.658	7.86	31.7
34	-1.666	32.161	-1.79	-1.667	349.1	93.48	0.081	33.09	25.870	30.656	25.870	0.12	25.670	8.32	33.7
36	-1.676	32.181	-1.79	-1.677	348.7	93.34	0.082	36.70	25.886	30.672	25.886	0.14	25.682	8.76	35.7
38	-1.686	32.197	-1.79	-1.686	348.3	93.22	0.083	33.17	25.900	30.686	25.900	0.11	25.693	9.21	37.7
40	-1.683	32.223	-1.79	-1.683	347.6	93.06	0.082	32.73	25.921	30.707	25.921	0.12	25.704	9.65	39.7
45	-1.702	32.278	-1.80	-1.703	346.6	92.79	0.081	26.04	25.965	30.752	25.966	0.14	25.730	10.74	44.6
50	-1.713	32.334	-1.81	-1.714	346.0	92.64	0.075	19.37	26.011	30.798	26.011	0.14	25.756	11.81	49.6
55	-1.723	32.369	-1.81	-1.724	345.7	92.56	0.073	18.86	26.040	30.826	26.040	0.07	25.781	12.86	54.5
60	-1.733	32.396	-1.82	-1.734	347.6	93.07	0.073	19.22	26.063	30.849	26.063	0.07	25.803	13.90	59.5
65	-1.732	32.415	-1.82	-1.733	345.9	92.64	0.072	19.22	26.077	30.863	26.077	0.07	25.824	14.92	64.4
70	-1.723	32.441	-1.83	-1.724	345.6	92.59	0.073	19.08	26.099	30.884	26.099	0.09	25.843	15.94	69.4
75	-1.706	32.481	-1.84	-1.707	344.7	92.42	0.071	18.56	26.131	30.916	26.131	0.12	25.861	16.95	74.4
80	-1.686	32.533	-1.84	-1.687	343.4	92.17	0.070	18.20	26.173	30.956	26.173	0.20	25.879	17.94	79.3
85	-1.644	32.623	-1.85	-1.646	341.9	91.91	0.070	18.78	26.244	31.026	26.245	0.26	25.898	18.90	84.3
90	-1.575	32.739	-1.86	-1.576	339.3	91.49	0.069	20.03	26.337	31.115	26.337	0.14	25.920	19.82	89.2
95	-1.545	32.829	-1.87	-1.547	338.1	91.29	0.069	19.96	26.410	31.186	26.410	0.28	25.944	20.70	94.2
100	-1.581	32.922	-1.88	-1.583	336.0	90.70	0.067	18.93	26.486	31.263	26.486	0.34	25.969	21.55	99.1
105	-1.619	33.018	-1.89	-1.621	334.5	90.26	0.068	17.39	26.565	31.342	26.565	0.25	25.996	22.35	104.1
110	-1.549	33.108	-1.90	-1.551	334.5	90.52	0.067	19.52	26.636	31.410	26.636	0.15	26.023	23.12	109.0
115	-1.530	33.167	-1.90	-1.533	333.1	90.22	0.068	18.49	26.684	31.456	26.684	0.12	26.051	23.86	114.0
120	-1.434	33.270	-1.91	-1.437	330.7	89.87	0.070	20.17	26.765	31.534	26.765	0.16	26.079	24.56	118.9
125	-1.432	33.333	-1.92	-1.435	329.4	89.57	0.069	22.74	26.816	31.585	26.816	-0.08	26.108	25.24	123.9
150	-1.369	33.747	-1.96	-1.372	324.4	88.63	0.067	17.76	27.150	31.913	27.150	0.22	26.252	28.19	148.6
175	-0.813	34.146	-2.01	-0.818	310.9	86.50	0.066	20.47	27.454	32.197	27.454	0.15	26.405	30.28	173.4
200	-0.359	34.387	-2.04	-0.366	301.9	85.18	0.066	20.69	27.629	32.356	27.629	0.07	26.548	31.84	198.1
225	0.093	34.561	-2.07	0.084	295.9	84.63	0.064	23.25	27.747	32.460	27.747	0.07	26.676	33.05	222.8
250	0.461	34.697	-2.09	0.451	294.0	84.98	0.065	23.33	27.836	32.537	27.836	0.09	26.788	34.02	247.5
275	0.877	34.794	-2.12	0.865	292.5	85.55	0.064	27.07	27.888	32.577	27.889	0.06	26.885	34.82	272.2
300	1.138	34.856	-2.14	1.124	293.5	86.46	0.062	26.77	27.920	32.602	27.921	0.09	26.970	35.54	297.0
325	1.105	34.884	-2.16	1.089	295.5	87.00	0.061	25.89	27.945	32.628	27.947	0.04	27.044	36.18	321.7
350	0.984	34.888	-2.18	0.968	295.6	86.73	0.062	31.99	27.957	32.642	27.958	0.04	27.109	36.78	346.4
375	0.945	34.894	-2.20	0.927	295.9	86.76	0.061	35.52	27.964	32.650	27.965	0.05	27.165	37.35	371.1
400	0.925	34.896	-2.22	0.906	296.2	86.79	0.061	39.42	27.967	32.654	27.968	0.04	27.215	37.91	395.8
500	0.858	34.899	-2.29	0.834	289.9	84.79	0.061	160.69	27.974	32.663	27.976	0.05	27.366	40.12	494.5
515	0.859	34.899	-2.30	0.835	284.0	83.08	0.061	177.24	27.973	32.662	27.975	0.04	27.384	40.44	509.3

NEWP 92 STA 66 CTD 109

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.246	31.007	-1.70	-1.246	376.9	101.19	0.623	578.42	24.924	29.707	24.924	0.07	24.924	0.00	0.0
2	-1.263	31.045	-1.70	-1.263	377.6	101.37	0.623	561.95	24.955	29.739	24.955	0.36	24.934	0.63	2.0
4	-1.289	31.092	-1.70	-1.289	370.1	99.31	0.624	532.12	24.994	29.778	24.994	-0.18	24.962	1.25	4.0
6	-1.312	31.183	-1.71	-1.312	363.3	97.49	0.624	521.49	25.069	29.852	25.069	0.55	24.980	1.87	6.0
8	-1.414	31.391	-1.72	-1.414	377.0	101.03	0.625	413.53	25.240	30.025	25.240	0.36	25.016	2.47	7.9
10	-1.431	31.536	-1.73	-1.431	383.0	102.73	0.623	370.10	25.357	30.141	25.357	0.75	25.070	3.03	9.9
12	-1.439	31.635	-1.74	-1.439	379.7	101.88	0.561	280.46	25.438	30.222	25.438	0.39	25.126	3.57	11.9
14	-1.453	31.708	-1.75	-1.453	380.3	102.06	0.405	272.29	25.498	30.281	25.498	0.34	25.175	4.10	13.9
16	-1.484	31.796	-1.75	-1.484	380.2	102.03	0.229	113.35	25.569	30.353	25.569	0.24	25.221	4.61	15.9
18	-1.518	31.834	-1.75	-1.518	377.5	101.23	0.199	129.58	25.601	30.386	25.601	0.18	25.261	5.12	17.9
20	-1.528	31.874	-1.76	-1.528	376.5	100.97	0.219	105.52	25.634	30.418	25.634	0.17	25.297	5.62	19.8
22	-1.559	31.926	-1.76	-1.559	372.7	99.90	0.162	71.64	25.677	30.461	25.677	0.28	25.329	6.11	21.8
24	-1.552	31.970	-1.77	-1.553	369.8	99.18	0.121	92.03	25.712	30.496	25.712	0.22	25.360	6.59	23.8
26	-1.570	32.011	-1.77	-1.570	367.7	98.60	0.125	73.50	25.746	30.531	25.746	0.11	25.388	7.07	25.8
28	-1.568	32.027	-1.77	-1.568	366.5	98.30	0.132	55.82	25.759	30.543	25.759	0.11	25.414	7.54	27.8
30	-1.556	32.048	-1.78	-1.556	365.2	98.00	0.093	41.86	25.776	30.559	25.776	0.13	25.438	8.01	29.8
32	-1.572	32.075	-1.78	-1.573	363.8	97.58	0.087	44.96	25.798	30.582	25.798	0.20	25.460	8.48	31.7
34	-1.591	32.107	-1.78	-1.591	359.7	96.48	0.090	42.74	25.825	30.609	25.825	0.12	25.480	8.94	33.7
36	-1.598	32.134	-1.79	-1.599	359.7	96.47	0.089	42.89	25.846	30.630	25.846	0.16	25.500	9.40	35.7
38	-1.601	32.166	-1.79	-1.602	357.0	95.77	0.085	39.65	25.873	30.657	25.873	0.13	25.519	9.85	37.7
40	-1.654	32.197	-1.79	-1.655	356.6	95.53	0.087	41.34	25.899	30.685	25.899	0.13	25.538	10.30	39.7
45	-1.672	32.246	-1.80	-1.673	355.2	95.14	0.081	35.67	25.939	30.724	25.939	0.15	25.580	11.40	44.6
50	-1.660	32.333	-1.81	-1.661	350.0	93.85	0.077	33.68	26.010	30.794	26.010	0.17	25.619	12.47	49.6
55	-1.702	32.408	-1.82	-1.703	346.8	92.95	0.074	31.04	26.071	30.856	26.071	0.13	25.658	13.51	54.5
60	-1.700	32.460	-1.82	-1.701	344.3	92.32	0.073	31.77	26.114	30.898	26.114	0.15	25.694	14.53	59.5
65	-1.683	32.518	-1.83	-1.684	340.4	91.34	0.071	32.29	26.160	30.944	26.160	0.25	25.728	15.53	64.5
70	-1.644	32.659	-1.84	-1.646	336.8	90.57	0.071	32.73	26.274	31.055	26.274	0.26	25.763	16.48	69.4
75	-1.548	32.858	-1.86	-1.549	338.3	91.36	0.069	34.05	26.434	31.210	26.434	0.36	25.802	17.37	74.4
80	-1.556	33.069	-1.87	-1.558	339.4	91.80	0.071	31.40	26.605	31.380	26.605	0.25	25.847	18.18	79.3
85	-1.521	33.283	-1.89	-1.523	332.6	90.19	0.071	30.81	26.778	31.549	26.778	0.32	25.897	18.90	84.3
90	-1.446	33.442	-1.90	-1.448	328.9	89.49	0.070	29.05	26.905	31.673	26.905	0.24	25.950	19.55	89.2
95	-1.156	33.632	-1.91	-1.158	323.2	88.76	0.069	37.80	27.050	31.808	27.050	0.33	26.003	20.14	94.2
100	-1.615	33.723	-1.92	-1.617	322.8	87.61	0.069	26.19	27.138	31.909	27.138	0.27	26.058	20.68	99.1
105	-1.503	33.819	-1.93	-1.505	322.3	87.81	0.071	27.66	27.213	31.979	27.213	0.19	26.111	21.16	104.1
110	-1.527	33.877	-1.94	-1.529	322.3	87.77	0.071	26.92	27.260	32.027	27.260	0.11	26.162	21.63	109.0
115	-1.232	33.945	-1.95	-1.235	317.0	87.07	0.069	30.01	27.307	32.064	27.307	-0.01	26.211	22.07	114.0
120	-1.428	33.964	-1.95	-1.431	321.1	87.74	0.068	28.76	27.328	32.091	27.329	0.11	26.257	22.49	118.9
125	-1.431	34.021	-1.96	-1.434	317.9	86.89	0.069	30.74	27.375	32.137	27.375	0.12	26.300	22.90	123.9
150	-0.819	34.309	-2.00	-0.823	304.7	84.87	0.068	47.02	27.586	32.328	27.586	0.06	26.492	24.70	148.6
175	0.031	34.591	-2.03	0.024	296.4	84.63	0.068	37.36	27.774	32.489	27.774	0.08	26.664	25.90	173.3
200	0.960	34.770	-2.06	0.951	290.8	85.21	0.068	34.05	27.864	32.551	27.864	0.05	26.809	26.80	198.0
225	1.529	34.891	-2.09	1.518	291.2	86.67	0.066	37.95	27.920	32.591	27.921	0.02	26.930	27.52	222.8
250	1.325	34.908	-2.11	1.313	294.1	87.09	0.066	44.96	27.949	32.625	27.950	0.05	27.030	28.16	247.5
271	1.114	34.910	-2.12	1.101	294.0	86.59	0.069	85.08	27.966	32.647	27.967	0.04	27.102	28.66	268.2

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.454	30.501	-1.67	-0.454	360.3	98.44	0.047	521.41	24.492	29.256	24.492	0.19	24.490	0.00	0.0
2	-0.612	30.676	-1.68	-0.612	362.9	98.87	0.127	530.76	24.639	29.406	24.639	0.99	24.545	0.71	2.0
4	-0.938	31.043	-1.70	-0.938	369.0	99.91	0.257	549.23	24.945	29.719	24.945	3.71	24.629	1.38	4.0
6	-1.238	31.376	-1.72	-1.238	373.6	100.59	0.402	572.19	25.223	30.003	25.223	0.55	24.805	1.97	6.0
8	-1.289	31.449	-1.73	-1.289	372.6	100.26	0.467	563.05	25.284	30.064	25.284	0.10	24.922	2.54	7.9
10	-1.450	31.685	-1.74	-1.450	372.5	99.96	0.708	627.67	25.479	30.263	25.479	1.70	25.011	3.09	9.9
12	-1.531	31.848	-1.75	-1.531	373.8	100.21	0.881	574.96	25.613	30.397	25.613	0.36	25.106	3.59	11.9
14	-1.525	31.891	-1.75	-1.526	358.1	96.05	0.823	440.79	25.647	30.431	25.647	0.23	25.180	4.09	13.9
16	-1.530	31.891	-1.76	-1.530	356.9	95.71	0.606	418.92	25.648	30.432	25.648	-1.15	25.240	4.58	15.9
18	-1.506	31.709	-1.75	-1.506	357.0	95.69	0.725	598.59	25.499	30.284	25.499	1.30	25.268	5.11	17.9
20	-1.525	31.891	-1.76	-1.526	359.9	96.52	0.678	426.85	25.648	30.432	25.648	0.23	25.302	5.61	19.8
22	-1.538	31.969	-1.77	-1.538	363.4	97.50	0.457	123.27	25.711	30.495	25.711	0.28	25.336	6.09	21.8
24	-1.581	32.031	-1.77	-1.581	363.1	97.35	0.160	70.54	25.763	30.547	25.763	0.26	25.369	6.57	23.8
26	-1.593	32.075	-1.77	-1.593	360.8	96.74	0.121	62.65	25.798	30.583	25.798	0.07	25.402	7.04	25.8
28	-1.613	32.093	-1.78	-1.613	360.7	96.67	0.106	49.37	25.814	30.599	25.814	0.25	25.430	7.50	27.8
30	-1.629	32.155	-1.78	-1.629	358.6	96.11	0.095	31.33	25.865	30.649	25.865	0.23	25.458	7.96	29.8
32	-1.656	32.187	-1.79	-1.657	357.1	95.66	0.093	28.98	25.891	30.677	25.891	0.19	25.484	8.40	31.7
34	-1.657	32.226	-1.79	-1.658	355.8	95.33	0.093	27.51	25.923	30.708	25.923	0.20	25.509	8.85	33.7
36	-1.666	32.268	-1.79	-1.667	355.2	95.20	0.090	26.33	25.957	30.742	25.957	0.17	25.533	9.28	35.7
38	-1.664	32.304	-1.80	-1.664	353.9	94.86	0.089	29.27	25.986	30.771	25.986	0.17	25.556	9.71	37.7
40	-1.654	32.348	-1.80	-1.655	353.0	94.69	0.091	33.46	26.022	30.806	26.022	0.37	25.578	10.14	39.7
45	-1.634	32.489	-1.81	-1.635	351.1	94.34	0.091	43.04	26.136	30.918	26.136	0.16	25.636	11.15	44.6
50	-1.622	32.611	-1.82	-1.623	347.8	93.56	0.092	34.86	26.235	31.015	26.235	0.18	25.691	12.12	49.6
55	-1.617	32.747	-1.84	-1.618	346.2	93.24	0.093	36.26	26.345	31.125	26.345	0.33	25.745	13.05	54.5
60	-1.567	32.905	-1.85	-1.568	343.7	92.81	0.388	27.73	26.472	31.248	26.472	0.31	25.801	13.91	59.5
65	-1.537	33.062	-1.86	-1.538	341.2	92.31	0.090	27.58	26.599	31.373	26.599	0.21	25.857	14.71	64.4
70	-1.504	33.201	-1.87	-1.505	338.9	91.88	0.083	28.10	26.711	31.483	26.711	0.25	25.914	15.45	69.4
75	-1.524	33.386	-1.89	-1.525	336.3	91.24	0.085	24.06	26.862	31.632	26.862	0.16	25.972	16.13	74.4
80	-1.578	33.469	-1.89	-1.579	334.0	90.54	0.085	28.32	26.931	31.702	26.931	0.25	26.030	16.76	79.3
85	-1.506	33.614	-1.91	-1.508	333.0	90.57	0.083	23.99	27.046	31.814	27.046	0.17	26.087	17.33	84.3
90	-1.591	33.707	-1.92	-1.593	333.3	90.50	0.083	21.05	27.124	31.894	27.124	0.24	26.143	17.87	89.2
95	-1.449	33.841	-1.93	-1.451	329.5	89.89	0.083	21.20	27.229	31.994	27.229	0.41	26.197	18.36	94.2
100	-1.562	33.884	-1.93	-1.564	329.4	89.64	0.083	23.04	27.267	32.035	27.267	0.11	26.249	18.82	99.1
105	-1.570	33.933	-1.94	-1.572	329.9	89.77	0.080	19.00	27.307	32.075	27.307	0.12	26.299	19.26	104.1
110	-1.559	33.975	-1.95	-1.561	329.1	89.62	0.081	19.08	27.341	32.108	27.341	0.09	26.346	19.68	109.0
115	-1.494	34.006	-1.95	-1.497	328.5	89.63	0.083	20.17	27.365	32.129	27.365	0.14	26.390	20.08	113.9
120	-1.587	34.061	-1.96	-1.590	329.4	89.68	0.079	17.10	27.412	32.179	27.412	0.14	26.431	20.47	118.9
125	-1.522	34.091	-1.96	-1.525	327.0	89.23	0.080	17.98	27.434	32.199	27.434	0.05	26.471	20.84	123.8
150	-1.277	34.265	-1.99	-1.280	321.1	88.32	0.078	20.17	27.568	32.324	27.568	0.05	26.642	22.53	148.6
175	-1.410	34.356	-2.02	-1.414	322.3	88.40	0.077	20.91	27.646	32.405	27.646	0.12	26.779	23.97	173.3
200	0.034	34.559	-2.05	0.026	307.2	87.71	0.078	23.33	27.749	32.463	27.749	0.10	26.895	25.15	198.0
225	0.791	34.723	-2.08	0.781	300.4	87.60	0.076	21.93	27.836	32.528	27.837	0.09	26.995	26.11	222.8
250	1.341	34.834	-2.10	1.328	296.2	87.71	0.076	22.45	27.888	32.564	27.889	0.06	27.082	26.92	247.5
275	1.531	34.876	-2.12	1.517	301.1	89.60	0.075	23.18	27.908	32.579	27.909	-0.05	27.156	27.63	272.2
300	1.496	34.908	-2.14	1.481	300.9	89.49	0.075	23.69	27.937	32.608	27.938	0.05	27.220	28.30	296.9
325	1.422	34.914	-2.16	1.405	300.8	89.29	0.075	24.28	27.947	32.620	27.948	0.04	27.276	28.92	321.6
350	1.274	34.910	-2.18	1.256	299.9	88.68	0.075	31.48	27.954	32.632	27.956	0.04	27.324	29.51	346.3
375	1.090	34.907	-2.20	1.072	298.9	87.96	0.073	50.94	27.965	32.647	27.966	0.08	27.366	30.09	371.0
400	1.093	34.912	-2.22	1.074	298.2	87.78	0.072	80.43	27.968	32.651	27.970	0.05	27.404	30.65	395.7
440	1.098	34.914	-2.25	1.077	294.8	86.78	0.070	84.83	27.970	32.652	27.971	0.04	27.455	31.53	435.2

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.069	30.709	-1.68	-0.069	363.0	100.38	0.169	639.90	24.646	29.396	24.646	0.04	24.646	0.00	0.0
2	-0.066	30.704	-1.68	-0.066	363.9	100.64	0.172	636.16	24.642	29.392	24.642	-0.24	24.647	0.69	2.0
4	-0.039	30.647	-1.68	-0.039	366.3	101.31	0.149	636.82	24.595	29.344	24.595	-0.11	24.629	1.38	4.0
6	-0.044	30.664	-1.68	-0.044	367.6	101.67	0.164	629.96	24.608	29.358	24.608	0.30	24.618	2.08	6.0
8	-0.049	30.660	-1.68	-0.049	367.3	101.59	0.188	629.36	24.605	29.355	24.605	-0.34	24.619	2.78	7.9
10	-0.038	30.614	-1.68	-0.038	365.9	101.19	0.205	614.68	24.568	29.318	24.568	0.09	24.612	3.48	9.9
12	-0.036	30.633	-1.68	-0.037	366.6	101.39	0.239	638.08	24.583	29.333	24.583	0.06	24.608	4.18	11.9
14	-0.125	30.889	-1.70	-0.125	366.9	101.45	0.252	613.70	24.794	29.544	24.794	3.04	24.609	4.87	13.9
16	-0.199	31.049	-1.71	-0.199	367.7	101.60	0.365	593.91	24.925	29.677	24.925	-0.96	24.651	5.50	15.9
18	-0.258	31.252	-1.72	-0.259	367.7	101.58	0.374	625.66	25.092	29.843	25.092	3.62	24.680	6.14	17.9
20	-0.441	31.775	-1.75	-0.442	368.6	101.75	0.439	512.59	25.521	30.273	25.521	3.54	24.742	6.69	19.9
22	-0.601	32.007	-1.77	-0.602	369.3	101.67	0.815	467.42	25.715	30.469	25.715	0.36	24.826	7.18	21.8
24	-0.611	32.152	-1.78	-0.612	369.4	101.77	0.633	381.23	25.832	30.586	25.832	1.14	24.904	7.65	23.8
26	-0.979	32.464	-1.80	-0.980	370.8	101.39	0.266	132.23	26.097	30.860	26.097	0.25	24.988	8.08	25.8
28	-1.007	32.523	-1.80	-1.008	369.8	101.09	0.177	113.57	26.146	30.909	26.146	0.47	25.068	8.48	27.8
30	-0.941	32.576	-1.81	-0.942	365.2	100.07	0.139	105.44	26.187	30.947	26.187	-0.12	25.142	8.87	29.8
32	-0.956	32.568	-1.81	-0.957	361.6	99.03	0.186	99.81	26.181	30.941	26.181	0.00	25.208	9.26	31.7
34	-1.144	32.742	-1.82	-1.145	359.4	98.05	0.137	75.36	26.328	31.093	26.328	1.00	25.268	9.64	33.7
36	-1.309	32.896	-1.83	-1.310	357.7	97.26	0.110	66.88	26.458	31.227	26.458	0.51	25.331	9.98	35.7
38	-1.382	33.019	-1.84	-1.383	354.9	96.41	0.112	64.05	26.559	31.329	26.559	0.44	25.393	10.31	37.7
40	-1.415	33.138	-1.85	-1.416	351.9	95.59	0.105	56.34	26.657	31.427	26.657	0.45	25.454	10.61	39.7
45	-1.430	33.366	-1.86	-1.431	342.9	93.28	0.100	49.46	26.843	31.611	26.843	0.49	25.599	11.31	44.6
50	-1.464	33.542	-1.88	-1.465	337.9	91.96	0.088	35.67	26.987	31.754	26.987	0.21	25.731	11.92	49.6
55	-1.450	33.661	-1.89	-1.451	333.7	90.92	0.085	29.71	27.083	31.849	27.083	0.23	25.850	12.48	54.5
60	-1.139	33.771	-1.90	-1.140	326.3	89.75	0.080	35.08	27.162	31.918	27.162	0.13	25.957	12.99	59.5
65	-1.166	33.841	-1.90	-1.168	319.7	87.92	0.080	32.06	27.220	31.976	27.220	0.18	26.052	13.48	64.4
70	-1.343	33.919	-1.91	-1.344	318.8	87.30	0.080	25.60	27.289	32.049	27.289	0.13	26.138	13.93	69.4
75	-1.338	33.963	-1.92	-1.339	319.9	87.64	0.081	23.84	27.324	32.084	27.324	0.13	26.215	14.36	74.3
80	-1.378	33.997	-1.92	-1.380	320.2	87.64	0.079	22.15	27.354	32.115	27.354	0.08	26.286	14.77	79.3
85	-1.536	34.004	-1.93	-1.538	321.2	87.55	0.078	20.69	27.364	32.130	27.364	0.16	26.349	15.18	84.2
90	-1.526	34.062	-1.94	-1.528	322.1	87.86	0.078	19.88	27.411	32.176	27.411	0.08	26.407	15.56	89.2
95	-1.287	34.092	-1.94	-1.289	320.0	87.87	0.078	26.41	27.428	32.185	27.428	-0.08	26.461	15.93	94.1
100	-1.285	34.115	-1.95	-1.287	317.5	87.21	0.077	27.80	27.446	32.203	27.446	-0.05	26.510	16.30	99.1
105	-1.491	34.134	-1.95	-1.493	319.2	87.20	0.077	21.13	27.468	32.232	27.468	0.10	26.555	16.66	104.0
110	-1.490	34.164	-1.96	-1.493	319.7	87.36	0.077	20.47	27.492	32.255	27.492	0.07	26.597	17.00	109.0
115	-1.423	34.192	-1.96	-1.425	319.6	87.50	0.077	19.74	27.513	32.274	27.513	0.07	26.636	17.34	113.9
120	-1.381	34.215	-1.97	-1.384	319.0	87.46	0.077	20.10	27.531	32.290	27.531	0.08	26.673	17.66	118.9
125	-1.215	34.256	-1.97	-1.218	316.5	87.19	0.077	21.35	27.558	32.312	27.558	0.14	26.708	17.98	123.8
150	-0.673	34.440	-2.00	-0.678	307.8	86.18	0.076	20.91	27.686	32.423	27.687	0.07	26.860	19.37	148.5
175	0.062	34.593	-2.03	0.056	296.1	84.64	0.076	23.55	27.774	32.488	27.775	0.07	26.986	20.46	173.3
200	0.648	34.719	-2.06	0.640	297.6	86.45	0.075	22.30	27.842	32.539	27.843	0.07	27.090	21.38	198.0
225	1.149	34.827	-2.08	1.139	292.2	86.08	0.074	21.93	27.896	32.578	27.897	0.05	27.177	22.17	222.7
250	1.336	34.879	-2.10	1.323	292.0	86.46	0.075	22.01	27.925	32.601	27.926	0.05	27.250	22.87	247.4
275	1.341	34.903	-2.12	1.328	293.3	86.88	0.074	21.42	27.944	32.620	27.945	0.05	27.312	23.51	272.1
300	1.158	34.903	-2.14	1.144	290.5	85.65	0.073	24.35	27.957	32.637	27.958	0.05	27.365	24.10	296.8
325	1.052	34.905	-2.16	1.037	289.8	85.21	0.073	26.55	27.966	32.649	27.967	0.05	27.411	24.68	321.5
350	0.973	34.906	-2.18	0.956	289.8	85.03	0.072	27.44	27.972	32.658	27.973	0.05	27.451	25.23	346.3
375	0.921	34.907	-2.20	0.903	289.3	84.77	0.074	30.96	27.976	32.663	27.977	0.06	27.486	25.77	371.0
400	0.900	34.909	-2.22	0.881	293.2	85.87	0.074	43.48	27.979	32.667	27.980	0.05	27.517	26.31	395.6
490	0.814	34.905	-2.29	0.791	288.5	84.29	0.072	104.31	27.982	32.672	27.983	0.04	27.602	28.20	484.5

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.154	29.984	-1.64	-0.154	370.7	101.70	0.106	502.73	24.064	28.823	24.064	0.12	24.063	0.00	0.0
2	-0.115	30.112	-1.65	-0.116	370.7	101.91	0.110	510.58	24.166	28.923	24.166	1.62	24.089	0.80	2.0
4	-0.112	30.225	-1.65	-0.112	372.0	102.35	0.111	502.65	24.257	29.013	24.257	-0.15	24.180	1.56	4.0
6	-0.096	30.545	-1.67	-0.096	373.0	102.95	0.116	523.29	24.514	29.267	24.514	1.20	24.243	2.30	6.0
8	-0.078	30.595	-1.68	-0.079	367.5	101.52	0.119	540.74	24.554	29.306	24.554	0.95	24.312	3.02	7.9
10	-0.190	30.791	-1.69	-0.190	371.5	102.45	0.148	644.44	24.717	29.470	24.717	1.15	24.378	3.70	9.9
12	-0.503	31.178	-1.71	-0.503	376.8	103.35	0.317	1001.32	25.041	29.800	25.041	1.90	24.462	4.35	11.9
14	-0.464	31.751	-1.75	-0.465	377.6	104.12	0.542	753.89	25.503	30.256	25.503	1.76	24.578	4.91	13.9
16	-0.738	32.054	-1.77	-0.739	383.1	105.13	0.775	667.26	25.758	30.516	25.758	0.90	24.712	5.40	15.9
18	-0.890	32.222	-1.78	-0.891	383.9	105.03	1.421	523.22	25.899	30.661	25.899	0.77	24.836	5.86	17.9
20	-1.127	32.401	-1.79	-1.128	382.5	104.13	0.321	150.18	26.051	30.818	26.051	1.33	24.950	6.29	19.8
22	-1.246	32.552	-1.80	-1.246	374.0	101.60	0.150	88.57	26.177	30.947	26.177	0.48	25.058	6.68	21.8
24	-1.164	32.676	-1.81	-1.165	363.9	99.16	0.121	75.43	26.275	31.041	26.275	0.33	25.155	7.06	23.8
26	-1.435	32.798	-1.82	-1.435	358.4	97.04	0.113	61.83	26.382	31.155	26.382	0.20	25.244	7.43	25.8
28	-1.441	32.842	-1.82	-1.442	356.7	96.60	0.112	60.12	26.418	31.191	26.418	0.22	25.327	7.78	27.8
30	-1.511	32.915	-1.83	-1.512	353.4	95.58	0.111	55.75	26.479	31.253	26.479	0.23	25.402	8.11	29.8
32	-1.507	32.967	-1.83	-1.507	350.2	94.76	0.105	50.05	26.521	31.295	26.521	0.34	25.470	8.44	31.7
34	-1.527	33.027	-1.84	-1.528	346.6	93.78	0.108	55.75	26.570	31.344	26.570	0.20	25.534	8.76	33.7
36	-1.443	33.103	-1.84	-1.444	343.6	93.23	0.110	59.38	26.630	31.401	26.630	0.41	25.593	9.07	35.7
38	-1.466	33.209	-1.85	-1.466	341.8	92.76	0.110	55.68	26.716	31.487	26.716	0.42	25.650	9.36	37.7
40	-1.522	33.285	-1.85	-1.523	341.2	92.51	0.106	50.13	26.779	31.551	26.779	0.28	25.705	9.64	39.7
45	-1.471	33.503	-1.87	-1.472	338.8	92.15	0.102	42.15	26.955	31.723	26.955	0.36	25.834	10.28	44.6
50	-1.339	33.673	-1.88	-1.340	334.6	91.44	0.101	43.55	27.089	31.852	27.089	0.40	25.952	10.85	49.6
55	-1.446	33.724	-1.89	-1.448	335.7	91.51	0.098	38.17	27.134	31.900	27.134	0.14	26.059	11.37	54.5
60	-1.620	33.813	-1.90	-1.621	334.5	90.82	0.094	24.57	27.211	31.981	27.211	0.18	26.152	11.86	59.5
65	-1.120	33.936	-1.91	-1.122	328.2	90.41	0.091	31.77	27.295	32.049	27.295	0.08	26.237	12.31	64.4
70	-1.136	34.019	-1.92	-1.138	322.8	88.96	0.090	27.36	27.363	32.117	27.364	0.08	26.314	12.74	69.4
75	-1.381	34.015	-1.92	-1.383	321.7	88.05	0.089	23.11	27.368	32.129	27.368	0.12	26.384	13.14	74.3
80	-1.141	34.124	-1.93	-1.143	317.9	87.66	0.089	25.31	27.448	32.201	27.448	0.03	26.448	13.51	79.3
85	-1.387	34.107	-1.93	-1.389	321.2	87.98	0.090	20.83	27.443	32.203	27.443	-0.02	26.507	13.88	84.2
90	-1.001	34.194	-1.94	-1.003	316.0	87.52	0.090	35.52	27.500	32.248	27.500	0.05	26.561	14.23	89.2
95	-0.957	34.189	-1.95	-0.960	316.7	87.81	0.091	37.29	27.495	32.242	27.495	-0.01	26.610	14.57	94.1
100	-1.289	34.194	-1.95	-1.292	317.9	87.36	0.088	28.83	27.510	32.267	27.510	0.14	26.654	14.91	99.1
105	-1.039	34.195	-1.96	-1.042	314.9	87.13	0.089	29.57	27.503	32.252	27.503	0.06	26.695	15.23	104.0
110	-1.141	34.273	-1.96	-1.144	315.9	87.21	0.088	21.13	27.569	32.321	27.570	0.08	26.734	15.55	109.0
115	-1.090	34.307	-1.97	-1.093	315.4	87.22	0.089	19.22	27.595	32.344	27.595	-0.09	26.771	15.84	113.9
120	-0.923	34.355	-1.98	-0.927	315.2	87.59	0.088	18.93	27.628	32.372	27.628	0.08	26.805	16.13	118.9
125	-0.792	34.383	-1.98	-0.795	313.3	87.39	0.088	19.52	27.645	32.385	27.645	0.03	26.838	16.40	123.8
150	0.061	34.582	-2.01	0.055	301.5	86.17	0.088	23.84	27.766	32.480	27.766	-0.01	26.985	17.56	148.5
175	0.618	34.718	-2.04	0.610	297.7	86.41	0.089	27.51	27.843	32.540	27.843	0.05	27.102	18.50	173.3
200	0.981	34.801	-2.06	0.972	295.5	86.65	0.088	33.46	27.887	32.573	27.888	0.05	27.197	19.31	198.0
225	1.455	34.885	-2.09	1.444	297.5	88.38	0.086	23.55	27.921	32.594	27.922	0.06	27.276	20.02	222.7
250	1.489	34.913	-2.11	1.476	301.3	89.60	0.086	23.62	27.941	32.613	27.942	0.07	27.342	20.66	247.4
275	1.337	34.918	-2.13	1.323	302.4	89.59	0.086	24.57	27.956	32.632	27.957	0.06	27.397	21.26	272.1
300	1.169	34.916	-2.14	1.155	300.9	88.76	0.085	38.91	27.967	32.647	27.968	0.04	27.444	21.84	296.8
321	1.069	34.914	-2.16	1.054	292.1	85.91	0.083	94.43	27.972	32.654	27.973	0.04	27.478	22.30	317.6

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover †
70	113	11 AUG 92	1705	77 14.11	-12 40.16	261	7	70

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	1239	-.337	30.588	-.337	24.558	30.535	409.3	-.02	.02	.05	.68	1.88
4	1238	-.269	30.550	-.269	24.525	30.563	409.4	-.01	.02	.05	.69	2.30
9	1237	-.501	30.773	-.501	24.714	31.017	421.0	.01	.03	.07	.77	3.82
13	1236	-.904	31.343	-.905	25.187	31.500	417.5	.16	.03	.06	1.13	8.48
20	1235	-1.358	32.060	-1.358	25.781	32.133	383.1	2.37	.07	.14	1.00	12.52
30	1234	-1.448	32.482	-1.449	26.126	32.544	354.6	5.28	.10	.13	1.08	10.35
60	1233	-1.619	33.329	-1.620	26.818	33.362	336.4	7.28	.07	.05	.94	9.62
80	1232	-1.289	33.746	-1.291	27.147	33.760	319.8	8.66	.02	.02	.88	8.96
120	1231	-1.500	34.129	-1.503	27.464	34.127	321.6	9.58	.01	.02	.78	6.02
160	1230	-.309	34.429	-.315	27.661	34.436	294.6	11.77	0.00	.02	.92	8.66
201	1229	.496	34.673	.487	27.815	34.671	287.3	12.64	.02	.02	.93	9.06
260	1228	.686	34.736	.675	27.854	34.712	286.9	12.77	.02	.03	.94	9.23

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 †
2	1239	2.05	.04	29.2	2.6			147000			
4	1238	1.91	.06	30.7	3.2			147000			
9	1237	3.41	.08	36.1	3.9			193000			
13	1236	5.52	.36	42.4	6.1			231000			
20	1235	7.22	1.05	17.6	3.4			153000			
30	1234	.45	.36	3.4	.6			95500			
60	1233	.10	.14	.3	.1						
80	1232	.05	.12	.3	.1						
120	1231	.05	.09	.6	.1						
160	1230	.02	.05	.0							
201	1229	0.00	.11	.5	.1						
260	1228								2.790	1.919	9.30

NEWP 92 STA 70 CTD 113

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.644	30.987	-1.69	-0.644	358.8	97.89	0.329	553.08	24.891	29.656	24.891	0.06	24.891	0.00	0.0
2	-0.648	31.001	-1.70	-0.648	360.1	98.26	0.333	553.24	24.903	29.668	24.903	-0.08	24.899	0.64	2.0
4	-0.731	31.140	-1.71	-0.731	362.8	98.88	0.342	536.24	25.017	29.784	25.017	-0.38	24.946	1.26	4.0
6	-0.777	31.234	-1.71	-0.777	365.1	99.44	0.359	534.99	25.095	29.862	25.095	-2.43	24.997	1.86	6.0
8	-0.907	31.399	-1.72	-0.908	365.3	99.27	0.457	534.83	25.232	30.002	25.232	2.07	25.018	2.46	7.9
10	-1.122	31.760	-1.75	-1.123	367.9	99.67	0.747	511.31	25.531	30.304	25.531	2.48	25.089	3.01	9.9
12	-1.201	31.896	-1.75	-1.201	367.4	99.43	0.867	484.75	25.644	30.418	25.644	0.23	25.178	3.51	11.9
14	-1.209	31.915	-1.76	-1.209	365.9	99.03	0.874	477.90	25.660	30.434	25.660	0.20	25.245	4.00	13.9
16	-1.239	31.986	-1.76	-1.239	364.3	98.55	0.762	460.19	25.718	30.492	25.718	0.44	25.300	4.49	15.9
18	-1.246	32.106	-1.77	-1.246	362.8	98.22	0.886	409.54	25.815	30.589	25.816	-0.57	25.355	4.95	17.9
20	-1.248	32.117	-1.77	-1.248	360.7	97.66	0.823	415.84	25.824	30.598	25.824	0.76	25.399	5.42	19.8
22	-1.294	32.234	-1.78	-1.295	359.6	97.31	1.092	337.41	25.920	30.694	25.920	0.42	25.443	5.86	21.8
24	-1.339	32.318	-1.79	-1.339	359.0	97.10	0.608	291.09	25.990	30.764	25.990	0.19	25.486	6.30	23.8
26	-1.334	32.318	-1.79	-1.334	357.5	96.70	1.102	255.13	25.989	30.764	25.989	0.18	25.525	6.72	25.8
28	-1.323	32.308	-1.79	-1.324	354.9	96.02	0.743	312.76	25.981	30.755	25.981	0.06	25.558	7.15	27.8
30	-1.357	32.356	-1.79	-1.357	353.5	95.60	0.582	199.18	26.021	30.795	26.021	0.24	25.587	7.58	29.8
32	-1.388	32.423	-1.80	-1.388	352.5	95.29	0.243	87.22	26.076	30.851	26.076	0.11	25.616	7.99	31.7
34	-1.437	32.483	-1.80	-1.438	350.9	94.79	0.116	72.31	26.126	30.902	26.126	0.70	25.643	8.40	33.7
36	-1.466	32.532	-1.81	-1.467	350.1	94.53	0.113	66.73	26.167	30.944	26.167	0.33	25.671	8.80	35.7
38	-1.469	32.619	-1.82	-1.470	348.5	94.16	0.130	84.46	26.237	31.013	26.237	0.24	25.700	9.18	37.7
40	-1.548	32.704	-1.82	-1.548	348.4	93.99	0.119	50.72	26.308	31.086	26.308	0.36	25.728	9.55	39.7
45	-1.598	32.908	-1.84	-1.599	345.3	93.15	0.091	37.07	26.476	31.253	26.476	0.31	25.802	10.42	44.6
50	-1.525	33.126	-1.85	-1.526	338.7	91.71	0.083	32.73	26.651	31.424	26.651	0.13	25.880	11.20	49.6
55	-1.519	33.243	-1.86	-1.520	337.8	91.58	0.091	33.68	26.745	31.517	26.745	0.28	25.954	11.93	54.5
60	-1.542	33.351	-1.87	-1.543	336.8	91.31	0.087	29.86	26.834	31.606	26.834	0.29	26.024	12.61	59.5
65	-1.584	33.477	-1.88	-1.585	335.4	90.91	0.086	29.93	26.937	31.709	26.937	0.23	26.090	13.24	64.4
70	-1.600	33.564	-1.89	-1.601	335.7	91.03	0.086	26.04	27.008	31.780	27.009	0.17	26.153	13.83	69.4
75	-1.644	33.652	-1.90	-1.645	335.1	90.83	0.084	24.06	27.081	31.853	27.081	0.16	26.213	14.38	74.3
80	-1.306	33.746	-1.91	-1.308	332.4	90.99	0.082	27.22	27.148	31.909	27.148	0.23	26.269	14.90	79.3
85	-1.214	33.860	-1.92	-1.216	327.6	89.97	0.080	29.57	27.237	31.994	27.237	0.28	26.324	15.38	84.2
90	-1.223	33.939	-1.93	-1.225	323.5	88.87	0.080	28.61	27.302	32.058	27.302	-0.07	26.377	15.82	89.2
95	-1.114	33.989	-1.94	-1.116	321.6	88.65	0.080	33.24	27.338	32.091	27.338	0.12	26.427	16.24	94.1
100	-1.235	34.033	-1.94	-1.237	321.3	88.31	0.080	23.77	27.378	32.135	27.378	0.01	26.474	16.65	99.1
105	-1.120	34.090	-1.95	-1.122	319.6	88.15	0.079	30.45	27.420	32.172	27.420	0.01	26.517	17.04	104.0
110	-1.311	34.069	-1.95	-1.314	321.8	88.29	0.077	25.46	27.410	32.168	27.410	-0.12	26.558	17.42	109.0
115	-1.530	34.103	-1.96	-1.532	324.6	88.55	0.078	19.30	27.445	32.209	27.445	0.11	26.596	17.79	113.9
120	-1.500	34.125	-1.96	-1.502	325.5	88.88	0.078	19.59	27.461	32.225	27.461	0.11	26.632	18.14	118.9
125	-1.471	34.153	-1.97	-1.474	325.4	88.96	0.077	19.88	27.483	32.246	27.483	0.04	26.666	18.49	123.8
150	-0.726	34.344	-2.00	-0.730	313.9	87.69	0.078	25.31	27.611	32.349	27.611	0.26	26.811	20.08	148.6
175	0.011	34.515	-2.03	0.005	302.8	86.38	0.078	28.90	27.714	32.430	27.714	0.07	26.934	21.35	173.3
200	0.478	34.666	-2.05	0.470	298.0	86.14	0.077	42.45	27.810	32.511	27.810	0.04	27.037	22.40	198.0
225	0.579	34.696	-2.07	0.570	296.8	86.07	0.077	108.90	27.828	32.526	27.829	0.05	27.125	23.31	222.7
250	0.614	34.711	-2.09	0.603	291.8	84.69	0.076	134.27	27.838	32.535	27.838	0.05	27.195	24.18	247.4
261	0.689	34.738	-2.10	0.677	288.0	83.77	0.075	141.33	27.855	32.550	27.856	0.05	27.223	24.56	258.3

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Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Dan	St.Ht	Depth
0	0.189	30.545	-1.67	0.189	354.9	98.70	0.190	529.10	24.503	29.247	24.503	0.06	24.503	0.00	0.0
2	0.182	30.471	-1.67	0.182	355.9	98.89	0.202	531.80	24.444	29.189	24.444	-1.06	24.499	0.72	2.0
4	0.248	30.360	-1.66	0.248	354.8	98.67	0.190	531.28	24.352	29.096	24.352	-0.51	24.441	1.46	4.0
6	0.130	30.433	-1.67	0.130	357.7	99.22	0.214	537.29	24.415	29.162	24.415	0.86	24.412	2.20	6.0
8	-0.037	30.632	-1.68	-0.037	359.7	99.50	0.415	581.27	24.583	29.333	24.583	0.45	24.438	2.92	7.9
10	-0.322	30.984	-1.70	-0.322	364.8	100.39	0.311	566.84	24.878	29.633	24.878	1.32	24.493	3.59	9.9
12	-0.754	31.370	-1.72	-0.755	371.2	101.27	0.675	1080.84	25.205	29.970	25.205	1.66	24.582	4.20	11.9
14	-0.769	31.709	-1.75	-0.769	374.2	102.33	0.780	678.48	25.479	30.242	25.479	0.92	24.695	4.75	13.9
16	-1.203	31.918	-1.76	-1.203	383.7	103.84	1.155	741.57	25.662	30.436	25.662	0.76	24.806	5.25	15.9
18	-1.152	32.265	-1.78	-1.153	380.4	103.38	1.115	459.06	25.942	30.711	25.942	1.11	24.917	5.72	17.9
20	-1.182	32.438	-1.79	-1.182	379.1	103.09	0.984	299.77	26.083	30.851	26.083	0.67	25.027	6.14	19.8
22	-1.475	32.523	-1.80	-1.475	378.0	102.02	0.195	64.58	26.160	30.937	26.160	0.58	25.126	6.54	21.8
24	-1.500	32.649	-1.81	-1.500	370.2	99.94	0.107	49.02	26.262	31.039	26.262	0.43	25.217	6.92	23.8
26	-1.507	32.739	-1.81	-1.508	360.4	97.35	0.098	46.58	26.336	31.112	26.336	0.38	25.300	7.29	25.8
28	-1.501	32.827	-1.82	-1.502	353.8	95.64	0.096	43.85	26.407	31.182	26.407	0.23	25.377	7.64	27.8
30	-1.498	32.925	-1.83	-1.499	347.1	93.91	0.095	43.33	26.486	31.260	26.486	0.45	25.448	7.98	29.8
32	-1.503	32.978	-1.83	-1.504	343.3	92.90	0.095	42.23	26.530	31.304	26.530	0.29	25.515	8.30	31.7
34	-1.507	33.025	-1.84	-1.508	340.2	92.09	0.103	44.96	26.568	31.342	26.568	0.25	25.576	8.62	33.7
36	-1.507	33.094	-1.84	-1.507	336.4	91.12	0.102	47.10	26.624	31.397	26.624	0.32	25.632	8.93	35.7
38	-1.517	33.169	-1.85	-1.517	334.2	90.54	0.096	45.77	26.685	31.458	26.685	0.32	25.686	9.23	37.7
40	-1.499	33.236	-1.85	-1.500	331.8	89.98	0.151	44.44	26.739	31.511	26.739	0.24	25.738	9.51	39.7
45	-1.438	33.353	-1.86	-1.439	329.6	89.64	0.097	49.31	26.832	31.601	26.832	0.30	25.854	10.19	44.6
50	-1.407	33.504	-1.87	-1.408	330.6	90.08	0.099	45.33	26.954	31.720	26.954	0.30	25.958	10.82	49.6
55	-1.547	33.654	-1.89	-1.548	331.4	90.06	0.085	25.53	27.080	31.849	27.080	0.24	26.056	11.38	54.5
60	-1.075	33.778	-1.90	-1.077	324.3	89.35	0.083	38.39	27.166	31.920	27.166	-0.15	26.146	11.90	59.5
65	-1.254	33.825	-1.90	-1.255	323.5	88.72	0.081	28.90	27.210	31.969	27.210	-0.01	26.226	12.38	64.4
70	-1.464	33.888	-1.91	-1.466	323.0	88.12	0.080	23.99	27.267	32.032	27.267	0.07	26.299	12.84	69.4
75	-1.465	33.956	-1.92	-1.467	321.9	87.88	0.082	21.93	27.323	32.087	27.323	0.19	26.366	13.27	74.3
80	-1.450	34.017	-1.93	-1.452	323.7	88.43	0.081	22.60	27.372	32.135	27.372	0.10	26.427	13.68	79.3
85	-1.478	34.040	-1.93	-1.480	323.5	88.34	0.078	20.18	27.391	32.155	27.391	0.09	26.484	14.07	84.2
90	-1.534	34.066	-1.94	-1.536	322.2	87.85	0.080	19.30	27.414	32.179	27.414	0.15	26.535	14.45	89.2
95	-1.563	34.102	-1.94	-1.565	322.8	87.97	0.081	18.49	27.444	32.210	27.444	0.10	26.582	14.82	94.1
100	-1.533	34.139	-1.95	-1.535	322.7	88.05	0.079	18.20	27.474	32.238	27.474	0.16	26.625	15.18	99.1
105	-1.553	34.152	-1.95	-1.555	322.9	88.06	0.077	17.47	27.485	32.250	27.485	0.11	26.666	15.53	104.0
110	-1.529	34.166	-1.96	-1.532	322.6	88.05	0.077	17.32	27.496	32.260	27.496	0.06	26.704	15.87	109.0
115	-1.489	34.176	-1.96	-1.492	322.6	88.15	0.078	18.27	27.502	32.265	27.502	0.05	26.738	16.20	113.9
120	-1.327	34.217	-1.97	-1.330	320.8	88.08	0.078	19.00	27.530	32.288	27.530	0.04	26.771	16.53	118.9
125	-1.209	34.256	-1.97	-1.212	318.7	87.81	0.078	19.00	27.558	32.312	27.558	0.12	26.802	16.85	123.8
150	-0.555	34.457	-2.00	-0.560	308.7	86.71	0.078	22.01	27.695	32.427	27.695	0.06	26.938	18.24	148.5
175	0.221	34.623	-2.03	0.215	297.7	85.48	0.077	23.77	27.790	32.499	27.790	0.12	27.053	19.34	173.3
200	0.680	34.734	-2.06	0.672	293.7	85.42	0.075	45.84	27.853	32.548	27.853	0.05	27.150	20.23	198.0
225	1.194	34.853	-2.08	1.183	294.1	86.75	0.073	35.45	27.914	32.594	27.915	0.03	27.230	21.01	222.7
250	1.682	34.915	-2.11	1.669	300.1	89.67	0.074	22.74	27.928	32.595	27.929	0.05	27.299	21.68	247.4
275	1.406	34.904	-2.12	1.393	303.6	90.07	0.072	23.25	27.940	32.614	27.941	0.06	27.357	22.32	272.1
300	1.162	34.902	-2.14	1.147	303.0	89.35	0.073	27.88	27.956	32.636	27.957	0.06	27.406	22.92	296.8
325	1.034	34.900	-2.16	1.019	301.1	88.47	0.073	39.42	27.963	32.647	27.964	0.05	27.449	23.50	321.5
350	0.973	34.902	-2.18	0.956	301.1	88.36	0.072	56.49	27.968	32.654	27.969	0.05	27.486	24.06	346.2
375	1.005	34.912	-2.20	0.988	300.6	88.29	0.071	66.28	27.974	32.659	27.975	0.04	27.518	24.61	370.9
400	1.003	34.910	-2.22	0.984	301.3	88.48	0.073	73.42	27.973	32.658	27.975	0.05	27.546	25.15	395.6
414	1.002	34.911	-2.23	0.982	297.6	87.38	0.071	73.64	27.974	32.659	27.975	0.05	27.561	25.46	409.5

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.068	30.145	-1.65	0.068	355.9	98.36	0.191	440.08	24.185	28.937	24.185	0.05	24.185	0.00	0.0
2	0.036	30.188	-1.65	0.036	358.3	98.96	0.197	439.74	24.222	28.973	24.222	0.42	24.194	0.78	2.0
4	0.006	30.269	-1.66	0.006	359.1	99.15	0.210	413.04	24.288	29.040	24.288	0.45	24.223	1.54	4.0
6	-0.036	30.305	-1.66	-0.037	361.3	99.69	0.184	433.74	24.319	29.072	24.319	0.08	24.253	2.30	6.0
8	-0.085	30.355	-1.66	-0.086	360.4	99.34	0.144	424.26	24.361	29.115	24.361	0.54	24.272	3.05	7.9
10	-0.207	30.602	-1.68	-0.207	360.2	99.16	0.401	520.69	24.565	29.320	24.565	2.10	24.306	3.77	9.9
12	-0.294	31.324	-1.72	-0.294	363.9	100.50	0.420	687.34	25.151	29.903	25.151	2.88	24.398	4.42	11.9
14	-0.623	31.980	-1.76	-0.623	366.4	100.80	0.622	745.66	25.694	30.449	25.694	1.05	24.551	4.94	13.9
16	-0.767	32.227	-1.78	-0.767	370.2	101.63	0.811	521.66	25.899	30.656	25.899	1.59	24.705	5.41	15.9
18	-0.959	32.420	-1.79	-0.960	370.9	101.43	0.407	245.81	26.061	30.823	26.061	0.62	24.849	5.83	17.9
20	-1.092	32.538	-1.80	-1.092	366.7	100.04	0.145	121.13	26.161	30.926	26.161	0.32	24.976	6.24	19.8
22	-1.169	32.608	-1.80	-1.170	358.9	97.75	0.131	102.83	26.220	30.987	26.220	0.35	25.086	6.62	21.8
24	-1.227	32.679	-1.81	-1.227	350.8	95.44	0.119	82.23	26.279	31.047	26.279	0.45	25.183	7.00	23.8
26	-1.302	32.770	-1.81	-1.302	346.6	94.18	0.109	68.66	26.356	31.125	26.356	0.40	25.270	7.36	25.8
28	-1.304	32.865	-1.82	-1.305	344.3	93.60	0.109	65.46	26.433	31.201	26.433	0.48	25.350	7.71	27.8
30	-1.325	32.962	-1.83	-1.325	343.6	93.45	0.109	61.16	26.512	31.280	26.512	0.33	25.426	8.04	29.8
32	-1.352	33.055	-1.84	-1.353	344.0	93.56	0.105	56.79	26.588	31.357	26.588	0.51	25.496	8.36	31.7
34	-1.380	33.138	-1.84	-1.380	342.3	93.06	0.100	53.23	26.656	31.425	26.656	0.50	25.562	8.66	33.7
36	-1.390	33.248	-1.85	-1.391	341.2	92.82	0.098	50.42	26.746	31.514	26.746	0.54	25.625	8.95	35.7
38	-1.450	33.317	-1.86	-1.450	339.9	92.36	0.102	45.62	26.803	31.573	26.803	0.31	25.686	9.23	37.7
40	-1.455	33.361	-1.86	-1.455	339.3	92.22	0.097	44.81	26.839	31.608	26.839	0.24	25.743	9.49	39.7
45	-1.494	33.481	-1.87	-1.495	336.6	91.47	0.093	39.72	26.938	31.707	26.938	0.23	25.871	10.12	44.6
50	-1.503	33.613	-1.88	-1.504	333.4	90.66	0.084	31.99	27.046	31.814	27.046	0.24	25.983	10.70	49.6
55	-1.503	33.712	-1.89	-1.504	329.0	89.56	0.082	30.81	27.126	31.893	27.126	0.05	26.084	11.23	54.5
60	-1.555	33.782	-1.90	-1.556	328.3	89.29	0.079	23.62	27.184	31.953	27.184	0.13	26.173	11.73	59.5
65	-1.520	33.838	-1.90	-1.522	329.2	89.65	0.085	25.16	27.228	31.995	27.228	0.20	26.252	12.22	64.4
70	-1.520	33.897	-1.91	-1.522	327.8	89.30	0.077	25.09	27.276	32.043	27.276	0.13	26.324	12.67	69.4
75	-1.529	33.943	-1.92	-1.530	325.9	88.80	0.078	22.08	27.314	32.080	27.314	0.13	26.389	13.10	74.3
80	-1.518	34.003	-1.92	-1.520	324.3	88.43	0.075	21.13	27.363	32.128	27.363	0.09	26.448	13.52	79.3
85	-1.437	34.040	-1.93	-1.439	322.6	88.20	0.075	21.20	27.390	32.153	27.390	0.07	26.503	13.91	84.2
90	-1.488	34.061	-1.94	-1.490	323.4	88.31	0.075	21.64	27.409	32.173	27.409	0.01	26.553	14.30	89.2
95	-1.485	34.097	-1.94	-1.487	321.3	87.75	0.074	20.10	27.438	32.201	27.438	0.15	26.598	14.67	94.1
100	-1.370	34.130	-1.95	-1.373	319.8	87.63	0.073	23.25	27.461	32.221	27.461	0.08	26.641	15.03	99.1
105	-1.355	34.150	-1.95	-1.358	319.1	87.50	0.073	22.52	27.477	32.236	27.477	0.06	26.680	15.39	104.0
110	-1.338	34.178	-1.96	-1.340	318.3	87.33	0.072	22.08	27.499	32.258	27.500	0.08	26.717	15.73	109.0
115	-1.278	34.209	-1.96	-1.281	317.1	87.16	0.073	19.81	27.522	32.279	27.522	0.07	26.751	16.06	113.9
120	-1.214	34.239	-1.97	-1.217	315.4	86.88	0.073	19.37	27.544	32.298	27.544	0.09	26.784	16.38	118.9
125	-1.197	34.263	-1.97	-1.200	316.1	87.13	0.073	19.08	27.563	32.316	27.563	0.08	26.815	16.69	123.8
150	-0.625	34.423	-2.00	-0.630	309.6	86.78	0.073	20.32	27.671	32.406	27.671	0.04	26.949	18.08	148.5
175	-0.073	34.580	-2.03	-0.080	304.7	86.77	0.071	21.27	27.771	32.489	27.772	0.07	27.059	19.23	173.3
200	0.638	34.719	-2.06	0.630	297.9	86.54	0.071	19.96	27.843	32.539	27.843	0.06	27.153	20.17	198.0
225	1.000	34.800	-2.08	0.989	296.4	86.95	0.070	20.91	27.885	32.570	27.885	0.09	27.232	20.98	222.7
250	1.311	34.874	-2.10	1.299	296.4	87.70	0.070	20.32	27.923	32.599	27.924	0.05	27.299	21.69	247.4
275	1.330	34.900	-2.12	1.317	298.0	88.25	0.068	19.96	27.942	32.618	27.943	0.04	27.356	22.33	272.1
300	1.208	34.906	-2.14	1.194	298.8	88.22	0.068	20.32	27.955	32.635	27.956	0.05	27.406	22.93	296.8
325	1.033	34.902	-2.16	1.018	298.9	87.82	0.067	24.06	27.964	32.648	27.965	0.05	27.448	23.51	321.5
350	0.932	34.903	-2.18	0.916	298.1	87.37	0.067	27.51	27.972	32.659	27.973	0.05	27.486	24.07	346.2
375	0.875	34.904	-2.20	0.858	297.6	87.10	0.067	35.45	27.976	32.665	27.978	0.06	27.518	24.61	370.9
400	0.848	34.904	-2.22	0.829	296.6	86.73	0.066	47.84	27.978	32.667	27.979	0.06	27.547	25.14	395.6
486	0.809	34.904	-2.28	0.787	289.0	84.42	0.067	96.05	27.981	32.671	27.982	0.04	27.623	26.96	480.6

NEWP 92 STA 72 CTD 116

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.049	30.097	-1.64	-0.049	338.2	93.14	0.114	416.85	24.152	28.907	24.152	0.05	24.152	0.00	0.0
2	-0.046	30.106	-1.64	-0.046	340.5	93.79	0.116	418.97	24.158	28.913	24.158	0.17	24.153	0.78	2.0
4	-0.049	30.127	-1.65	-0.049	344.5	94.88	0.126	423.06	24.176	28.930	24.176	0.03	24.163	1.57	4.0
6	-0.039	30.145	-1.65	-0.039	350.9	96.69	0.126	420.59	24.190	28.944	24.190	0.17	24.169	2.35	6.0
8	-0.014	30.162	-1.65	-0.015	353.4	97.46	0.146	418.72	24.202	28.956	24.202	0.30	24.175	3.12	7.9
10	0.007	30.451	-1.67	0.007	352.9	97.59	0.130	436.92	24.435	29.185	24.435	2.21	24.198	3.88	9.9
12	-0.019	30.736	-1.69	-0.019	355.9	98.57	0.190	525.87	24.666	29.414	24.666	1.53	24.260	4.58	11.9
14	-0.253	31.444	-1.73	-0.253	360.6	99.77	0.385	869.31	25.246	29.996	25.246	3.72	24.358	5.21	13.9
16	-0.557	32.003	-1.76	-0.557	365.1	100.64	0.829	822.67	25.710	30.464	25.710	1.95	24.503	5.73	15.9
18	-0.829	32.243	-1.78	-0.829	373.1	102.27	0.826	541.55	25.913	30.673	25.913	0.87	24.651	6.18	17.9
20	-1.024	32.414	-1.79	-1.024	372.8	101.79	0.830	436.16	26.058	30.822	26.058	0.57	24.785	6.61	19.9
22	-1.163	32.533	-1.80	-1.164	367.4	100.01	0.305	122.32	26.159	30.927	26.159	0.36	24.906	7.01	21.8
24	-1.214	32.625	-1.80	-1.214	359.7	97.87	0.141	97.79	26.235	31.003	26.235	0.38	25.014	7.39	23.8
26	-1.235	32.688	-1.81	-1.235	354.3	96.39	0.126	90.89	26.287	31.055	26.287	0.36	25.110	7.77	25.8
28	-1.300	32.794	-1.82	-1.301	351.2	95.44	0.140	79.01	26.375	31.144	26.375	0.39	25.197	8.13	27.8
30	-1.335	32.867	-1.82	-1.336	349.8	95.02	0.118	70.37	26.435	31.205	26.435	0.45	25.278	8.47	29.8
32	-1.350	32.992	-1.83	-1.350	349.2	94.92	0.111	61.09	26.537	31.306	26.537	0.41	25.353	8.80	31.7
34	-1.358	33.084	-1.84	-1.359	348.6	94.80	0.103	56.56	26.612	31.380	26.612	0.50	25.425	9.12	33.7
36	-1.431	33.174	-1.85	-1.432	346.8	94.19	0.106	51.75	26.687	31.456	26.687	0.33	25.493	9.41	35.7
38	-1.476	33.237	-1.85	-1.476	345.9	93.89	0.097	49.76	26.739	31.510	26.739	0.23	25.558	9.70	37.7
40	-1.492	33.307	-1.86	-1.493	345.8	93.85	0.095	46.21	26.796	31.567	26.796	0.44	25.618	9.98	39.7
45	-1.553	33.489	-1.87	-1.553	342.0	92.80	0.090	39.50	26.946	31.717	26.946	0.27	25.758	10.61	44.6
50	-1.534	33.649	-1.88	-1.535	337.6	91.76	0.084	31.40	27.076	31.844	27.076	0.18	25.884	11.18	49.6
55	-1.564	33.737	-1.89	-1.565	335.3	91.12	0.083	29.05	27.148	31.917	27.148	0.24	25.996	11.70	54.5
60	-1.536	33.808	-1.90	-1.538	333.2	90.68	0.079	25.31	27.205	31.972	27.205	0.15	26.094	12.19	59.5
65	-1.522	33.862	-1.91	-1.523	331.7	90.35	0.076	24.13	27.248	32.015	27.248	0.13	26.181	12.66	64.4
70	-1.474	33.923	-1.91	-1.475	328.2	89.55	0.077	24.72	27.297	32.061	27.297	0.19	26.259	13.11	69.4
75	-1.463	33.972	-1.92	-1.464	325.9	88.97	0.074	22.96	27.335	32.099	27.335	0.09	26.330	13.53	74.3
80	-1.514	34.012	-1.93	-1.516	325.8	88.85	0.073	20.54	27.370	32.135	27.370	0.08	26.394	13.94	79.3
85	-1.613	34.038	-1.93	-1.615	326.4	88.80	0.072	19.08	27.393	32.161	27.393	0.17	26.452	14.33	84.2
90	-1.609	34.068	-1.94	-1.611	325.1	88.47	0.073	17.69	27.418	32.185	27.418	0.08	26.505	14.71	89.2
95	-1.599	34.091	-1.94	-1.601	327.1	89.06	0.073	17.61	27.436	32.203	27.436	0.09	26.553	15.09	94.1
100	-1.547	34.114	-1.95	-1.549	324.8	88.58	0.070	17.54	27.453	32.219	27.453	0.08	26.598	15.45	99.1
105	-1.494	34.134	-1.95	-1.497	324.1	88.52	0.072	18.42	27.468	32.231	27.468	0.06	26.639	15.81	104.0
110	-1.430	34.157	-1.96	-1.433	322.1	88.15	0.072	18.64	27.485	32.246	27.485	0.08	26.677	16.15	109.0
115	-1.319	34.188	-1.96	-1.322	320.1	87.90	0.071	20.47	27.507	32.264	27.507	0.06	26.712	16.49	113.9
120	-1.359	34.207	-1.97	-1.362	320.9	88.01	0.071	17.69	27.524	32.282	27.524	0.13	26.746	16.82	118.9
125	-1.227	34.236	-1.97	-1.230	319.7	88.04	0.070	18.05	27.542	32.297	27.542	0.02	26.777	17.14	123.8
150	-0.780	34.406	-2.00	-0.784	313.0	87.35	0.071	19.88	27.664	32.403	27.664	0.13	26.914	18.58	148.5
175	0.037	34.589	-2.03	0.030	303.8	86.76	0.071	19.22	27.773	32.487	27.773	0.08	27.031	19.71	173.3
200	0.665	34.724	-2.06	0.656	297.7	86.53	0.070	20.17	27.845	32.541	27.846	0.06	27.128	20.64	198.0
225	1.110	34.817	-2.08	1.099	294.2	86.57	0.067	18.86	27.891	32.574	27.892	0.06	27.211	21.43	222.7
250	1.315	34.873	-2.10	1.303	295.0	87.29	0.067	18.56	27.922	32.598	27.923	0.04	27.280	22.13	247.4
275	1.384	34.907	-2.12	1.370	294.1	87.22	0.066	17.17	27.944	32.619	27.945	0.06	27.340	22.78	272.1
300	1.187	34.906	-2.14	1.172	295.3	87.13	0.066	19.59	27.958	32.637	27.959	0.03	27.391	23.37	296.8
325	1.049	34.904	-2.16	1.034	293.7	86.35	0.066	21.20	27.965	32.648	27.966	0.04	27.434	23.95	321.5
350	0.945	34.903	-2.18	0.928	293.0	85.90	0.066	25.01	27.971	32.658	27.972	0.04	27.472	24.50	346.2
375	0.878	34.905	-2.20	0.860	293.5	85.89	0.064	31.40	27.977	32.665	27.978	0.05	27.506	25.05	370.9
400	0.840	34.905	-2.22	0.822	292.3	85.48	0.064	41.05	27.980	32.669	27.981	0.05	27.535	25.58	395.6
490	0.812	34.903	-2.29	0.789	285.9	83.54	0.065	90.81	27.980	32.670	27.981	0.04	27.617	27.48	484.5

NEWP 92 STA 72 CTD 117

Press	Temp	Salnty	Frr.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	0.044	30.050	-1.64	0.044	345.7	95.41	0.094	353.24	24.110	28.863	24.110	0.07	24.110	0.00	0.0
2	0.030	30.078	-1.64	0.030	346.8	95.69	0.094	368.43	24.133	28.886	24.133	0.15	24.119	0.79	2.0
4	-0.005	30.188	-1.65	-0.005	347.9	95.98	0.105	400.08	24.223	28.976	24.223	0.00	24.147	1.57	4.0
6	-0.032	30.197	-1.65	-0.033	351.6	96.94	0.097	402.48	24.232	28.985	24.232	0.38	24.168	2.35	6.0
8	-0.104	30.415	-1.67	-0.104	357.7	98.59	0.123	451.88	24.410	29.164	24.410	1.68	24.202	3.10	7.9
10	-0.176	30.575	-1.68	-0.176	361.5	99.58	0.196	473.53	24.542	29.297	24.542	0.27	24.264	3.81	9.9
12	-0.231	30.703	-1.69	-0.232	364.4	100.32	0.206	519.99	24.648	29.403	24.648	1.76	24.317	4.52	11.9
14	-0.653	31.545	-1.74	-0.654	368.3	100.90	0.333	455.01	25.343	30.103	25.343	3.78	24.415	5.13	13.9
16	-0.846	31.949	-1.76	-0.846	369.2	100.93	0.491	470.38	25.676	30.438	25.676	0.85	24.559	5.64	15.9
18	-0.850	32.096	-1.77	-0.851	365.8	100.09	0.790	501.42	25.795	30.557	25.795	1.02	24.691	6.11	17.9
20	-1.106	32.351	-1.79	-1.107	365.7	99.56	0.430	246.28	26.010	30.777	26.010	0.51	24.815	6.55	19.9
22	-1.261	32.560	-1.80	-1.261	363.7	98.76	0.212	91.07	26.184	30.954	26.184	0.76	24.931	6.96	21.8
24	-1.313	32.660	-1.81	-1.313	359.1	97.47	0.108	68.59	26.267	31.037	26.267	0.27	25.040	7.33	23.8
26	-1.495	32.728	-1.81	-1.496	356.2	96.23	0.102	59.53	26.326	31.102	26.326	0.29	25.137	7.70	25.8
28	-1.509	32.823	-1.82	-1.509	351.4	94.97	0.125	52.94	26.404	31.180	26.404	0.33	25.224	8.05	27.8
30	-1.489	32.930	-1.83	-1.490	347.2	93.96	0.097	48.14	26.490	31.264	26.490	0.72	25.305	8.39	29.8
32	-1.481	32.989	-1.83	-1.482	344.4	93.28	0.091	41.71	26.538	31.311	26.538	0.35	25.381	8.72	31.7
34	-1.499	33.041	-1.84	-1.500	342.5	92.76	0.086	40.38	26.580	31.354	26.581	0.23	25.450	9.03	33.7
36	-1.487	33.094	-1.84	-1.488	340.9	92.40	0.095	45.40	26.624	31.396	26.624	0.27	25.514	9.34	35.7
38	-1.502	33.191	-1.85	-1.502	340.0	92.18	0.101	37.14	26.702	31.474	26.702	0.38	25.575	9.64	37.7
40	-1.471	33.266	-1.85	-1.472	338.8	91.99	0.089	45.03	26.763	31.533	26.763	0.41	25.632	9.92	39.7
45	-1.485	33.454	-1.87	-1.486	336.4	91.43	0.086	36.18	26.916	31.685	26.916	0.42	25.766	10.58	44.6
50	-1.577	33.587	-1.88	-1.578	336.0	91.18	0.080	27.44	27.027	31.797	27.027	0.18	25.887	11.16	49.6
55	-1.398	33.716	-1.89	-1.399	330.6	90.26	0.076	22.74	27.126	31.890	27.126	0.10	25.996	11.70	54.5
60	-1.198	33.791	-1.90	-1.199	326.6	89.70	0.075	26.92	27.181	31.938	27.181	0.11	26.092	12.20	59.5
65	-0.976	33.862	-1.91	-0.978	320.3	88.55	0.074	34.64	27.230	31.980	27.230	0.07	26.178	12.68	64.4
70	-1.598	33.885	-1.91	-1.600	322.5	87.67	0.077	23.69	27.269	32.037	27.269	0.25	26.254	13.14	69.4
75	-1.506	33.958	-1.92	-1.508	324.7	88.53	0.075	21.42	27.326	32.091	27.326	0.10	26.323	13.58	74.3
80	-1.625	33.989	-1.92	-1.627	327.7	89.10	0.076	20.03	27.354	32.123	27.354	0.09	26.387	13.99	79.3
85	-1.508	34.032	-1.93	-1.510	327.3	89.30	0.076	19.81	27.386	32.151	27.386	0.06	26.445	14.39	84.2
90	-1.519	34.052	-1.94	-1.521	326.0	88.92	0.075	21.13	27.402	32.167	27.402	0.09	26.497	14.78	89.2
95	-1.537	34.082	-1.94	-1.539	325.9	88.88	0.073	19.37	27.427	32.192	27.427	0.06	26.546	15.15	94.1
100	-1.572	34.102	-1.95	-1.574	325.7	88.74	0.073	18.64	27.445	32.211	27.445	0.07	26.590	15.52	99.1
105	-1.563	34.132	-1.95	-1.565	325.9	88.84	0.072	16.88	27.469	32.234	27.469	0.11	26.632	15.88	104.0
110	-1.457	34.155	-1.96	-1.459	324.3	88.68	0.072	19.59	27.484	32.246	27.484	0.05	26.670	16.23	109.0
115	-1.335	34.193	-1.96	-1.338	322.6	88.53	0.071	19.88	27.511	32.269	27.511	0.01	26.706	16.56	113.9
120	-1.302	34.215	-1.97	-1.305	320.8	88.13	0.072	19.59	27.528	32.285	27.528	0.11	26.740	16.89	118.9
125	-1.253	34.244	-1.97	-1.256	319.6	87.93	0.072	20.47	27.550	32.305	27.550	0.15	26.772	17.21	123.8
150	-0.728	34.427	-2.00	-0.732	313.0	87.47	0.070	19.37	27.678	32.416	27.678	0.11	26.912	18.62	148.5
175	-0.033	34.592	-2.03	-0.039	305.6	87.13	0.068	19.96	27.778	32.495	27.778	0.06	27.028	19.76	173.3
200	0.609	34.715	-2.06	0.601	298.0	86.48	0.069	20.54	27.842	32.539	27.842	0.07	27.126	20.70	198.0
225	1.003	34.802	-2.08	0.993	297.0	87.15	0.068	20.91	27.886	32.572	27.887	0.04	27.208	21.50	222.7
250	1.364	34.874	-2.10	1.351	296.5	87.85	0.066	18.64	27.919	32.594	27.920	0.06	27.277	22.21	247.4
275	1.369	34.903	-2.12	1.356	297.8	88.28	0.066	18.86	27.942	32.617	27.943	0.05	27.337	22.86	272.1
300	1.200	34.905	-2.14	1.186	298.4	88.08	0.065	19.59	27.955	32.635	27.956	0.04	27.388	23.46	296.8
325	1.025	34.902	-2.16	1.010	297.7	87.47	0.065	23.91	27.965	32.649	27.966	0.05	27.432	24.03	321.5
350	0.923	34.903	-2.18	0.907	296.3	86.82	0.065	27.44	27.973	32.660	27.974	0.04	27.470	24.59	346.2
375	0.901	34.907	-2.20	0.884	296.4	86.82	0.065	54.49	27.977	32.665	27.979	0.04	27.504	25.13	370.9
400	0.866	34.905	-2.22	0.847	295.6	86.50	0.064	65.46	27.978	32.667	27.979	0.05	27.533	25.66	395.6
449	0.824	34.904	-2.26	0.803	293.0	85.64	0.063	82.71	27.980	32.669	27.981	0.05	27.582	26.70	444.0

NEWP 92 STA 72 CTD 120

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.006	30.299	-1.65	-0.006	391.1	107.99	0.091	370.72	24.313	29.065	24.313	0.05	24.313	0.00	0.0
2	-0.015	30.311	-1.66	-0.015	382.9	105.70	0.095	373.60	24.323	29.075	24.323	0.14	24.317	0.75	2.0
4	0.005	30.289	-1.66	0.005	373.9	103.26	0.095	374.09	24.304	29.056	24.304	0.32	24.320	1.50	4.0
6	-0.060	30.358	-1.66	-0.060	373.3	102.97	0.097	387.20	24.363	29.115	24.363	0.23	24.329	2.25	6.0
8	-0.114	30.409	-1.67	-0.114	371.9	102.48	0.104	410.53	24.406	29.160	24.406	0.77	24.339	2.99	7.9
10	-0.422	30.965	-1.70	-0.422	373.6	102.53	0.128	494.56	24.866	29.624	24.866	4.08	24.384	3.70	9.9
12	-0.596	31.836	-1.75	-0.596	377.3	103.76	0.433	725.04	25.576	30.333	25.576	2.39	24.534	4.26	11.9
14	-0.893	32.107	-1.77	-0.894	381.6	104.30	0.884	907.80	25.806	30.569	25.806	0.75	24.704	4.74	13.9
16	-0.899	32.306	-1.78	-0.899	384.4	105.21	0.996	668.49	25.967	30.728	25.967	0.63	24.852	5.18	15.9
18	-1.085	32.394	-1.79	-1.085	381.4	103.95	1.248	471.82	26.044	30.810	26.044	0.37	24.981	5.60	17.9
20	-1.290	32.479	-1.79	-1.290	375.8	101.92	0.237	200.56	26.119	30.891	26.119	0.37	25.091	6.01	19.8
22	-1.370	32.574	-1.80	-1.370	367.3	99.46	0.185	143.05	26.198	30.971	26.198	0.52	25.188	6.41	21.8
24	-1.330	32.686	-1.81	-1.331	359.8	97.63	0.125	112.38	26.288	31.059	26.288	0.53	25.275	6.79	23.8
26	-1.350	32.789	-1.82	-1.350	354.3	96.17	0.217	82.98	26.372	31.143	26.372	0.25	25.357	7.14	25.8
28	-1.497	32.883	-1.82	-1.497	353.8	95.71	0.117	61.46	26.453	31.227	26.453	0.55	25.432	7.49	27.8
30	-1.499	32.983	-1.83	-1.499	351.9	95.25	0.106	53.01	26.534	31.308	26.534	0.39	25.503	7.82	29.8
32	-1.453	33.077	-1.84	-1.454	347.6	94.28	0.099	54.05	26.609	31.380	26.609	0.45	25.570	8.13	31.7
34	-1.408	33.163	-1.84	-1.409	343.9	93.45	0.101	59.17	26.677	31.447	26.677	0.41	25.633	8.43	33.7
36	-1.380	33.239	-1.85	-1.381	342.9	93.31	0.100	53.97	26.738	31.506	26.738	0.25	25.693	8.72	35.7
38	-1.476	33.276	-1.85	-1.477	341.6	92.75	0.138	44.22	26.771	31.542	26.771	0.23	25.749	9.00	37.7
40	-1.508	33.351	-1.86	-1.508	341.5	92.68	0.103	40.75	26.832	31.603	26.832	0.32	25.802	9.26	39.7
45	-1.530	33.456	-1.87	-1.531	340.7	92.47	0.090	34.64	26.919	31.689	26.919	0.23	25.921	9.90	44.6
50	-1.464	33.591	-1.88	-1.465	336.2	91.52	0.087	31.18	27.027	31.794	27.027	0.20	26.027	10.49	49.6
55	-1.474	33.702	-1.89	-1.475	331.5	90.29	0.083	26.48	27.117	31.883	27.117	0.24	26.122	11.03	54.5
60	-1.287	33.788	-1.90	-1.288	326.3	89.39	0.084	25.75	27.181	31.941	27.181	0.14	26.208	11.54	59.5
65	-1.492	33.806	-1.90	-1.494	324.8	88.50	0.083	28.54	27.202	31.968	27.202	0.27	26.284	12.02	64.4
70	-1.604	33.881	-1.91	-1.605	325.2	88.40	0.085	25.16	27.266	32.035	27.266	0.14	26.352	12.48	69.4
75	-1.615	33.953	-1.92	-1.617	329.7	89.64	0.082	23.62	27.325	32.093	27.325	0.16	26.415	12.92	74.3
80	-1.403	34.011	-1.93	-1.404	326.4	89.30	0.082	23.69	27.365	32.127	27.365	0.16	26.473	13.33	79.3
85	-1.419	34.037	-1.93	-1.421	323.4	88.46	0.080	23.69	27.387	32.149	27.387	0.06	26.526	13.72	84.2
90	-1.490	34.061	-1.94	-1.492	323.3	88.26	0.081	22.81	27.409	32.173	27.409	0.11	26.574	14.11	89.2
95	-1.495	34.095	-1.94	-1.497	322.6	88.08	0.081	22.52	27.436	32.200	27.436	0.12	26.618	14.49	94.1
100	-1.443	34.116	-1.95	-1.445	322.3	88.15	0.079	24.06	27.452	32.214	27.452	0.14	26.660	14.85	99.1
105	-1.494	34.142	-1.95	-1.496	321.9	87.94	0.078	22.30	27.475	32.238	27.475	0.16	26.698	15.21	104.0
110	-1.441	34.161	-1.96	-1.444	320.8	87.77	0.080	21.64	27.488	32.250	27.488	0.02	26.734	15.55	109.0
115	-1.306	34.197	-1.96	-1.309	320.5	88.03	0.078	22.52	27.514	32.271	27.514	0.09	26.767	15.89	113.9
120	-1.194	34.222	-1.97	-1.197	317.3	87.42	0.078	23.47	27.530	32.284	27.530	0.05	26.798	16.21	118.9
125	-1.261	34.240	-1.97	-1.264	315.9	86.90	0.079	23.25	27.547	32.302	27.547	0.13	26.828	16.53	123.8
150	-0.913	34.395	-2.00	-0.917	316.4	87.96	0.078	21.49	27.659	32.403	27.659	0.09	26.958	17.96	148.5
175	-0.145	34.570	-2.03	-0.151	308.3	87.62	0.079	23.11	27.767	32.487	27.767	0.06	27.066	19.12	173.3
200	0.568	34.712	-2.06	0.560	301.7	87.45	0.079	23.40	27.841	32.540	27.842	0.07	27.158	20.07	198.0
225	1.003	34.808	-2.08	0.993	299.3	87.84	0.076	23.25	27.891	32.577	27.892	0.06	27.237	20.87	222.7
250	1.322	34.873	-2.10	1.309	299.0	88.50	0.077	22.37	27.921	32.598	27.922	0.07	27.304	21.57	247.4
275	1.407	34.907	-2.12	1.393	301.1	89.35	0.076	20.98	27.943	32.617	27.944	0.04	27.361	22.21	272.1
300	1.231	34.907	-2.14	1.217	302.4	89.34	0.077	22.08	27.955	32.634	27.956	0.05	27.410	22.81	296.8
325	1.019	34.903	-2.16	1.004	301.5	88.57	0.075	27.44	27.966	32.651	27.968	0.04	27.452	23.39	321.5
350	0.933	34.905	-2.18	0.917	299.8	87.88	0.074	29.57	27.973	32.660	27.975	0.05	27.489	23.94	346.2
375	0.869	34.906	-2.20	0.852	297.4	87.03	0.075	37.36	27.979	32.667	27.980	0.05	27.522	24.48	370.9
400	0.824	34.905	-2.22	0.806	295.3	86.32	0.076	51.24	27.981	32.671	27.982	0.04	27.550	25.00	395.6
478	0.808	34.905	-2.28	0.786	284.8	83.22	0.073	100.55	27.982	32.672	27.983	0.05	27.621	26.64	472.7

	NEWP 92							STA 72		CTD 121						
Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth	
0	0.164	30.154	-1.65	0.164	304.0	84.22	0.089	278.61	24.189	28.937	24.189	0.04	24.189	0.00	0.0	
2	0.157	30.159	-1.65	0.157	311.6	86.33	0.089	283.37	24.193	28.941	24.193	0.10	24.190	0.78	2.0	
4	0.138	30.165	-1.65	0.138	331.1	91.69	0.088	293.93	24.199	28.948	24.199	0.07	24.194	1.55	4.0	
6	0.129	30.176	-1.65	0.129	343.9	95.20	0.089	292.98	24.208	28.958	24.208	0.11	24.197	2.33	6.0	
8	0.119	30.201	-1.65	0.118	348.2	96.39	0.091	295.44	24.229	28.978	24.229	0.20	24.202	3.10	7.9	
10	-0.027	30.516	-1.67	-0.027	352.3	97.39	0.096	292.36	24.488	29.239	24.488	1.55	24.228	3.85	9.9	
12	-0.139	30.871	-1.70	-0.140	356.6	98.55	0.106	625.66	24.780	29.531	24.780	1.28	24.297	4.54	11.9	
14	-0.515	31.606	-1.74	-0.515	360.3	99.11	0.243	651.63	25.387	30.143	25.388	3.08	24.399	5.15	13.9	
16	-0.866	32.115	-1.77	-0.866	367.0	100.40	0.934	831.32	25.812	30.573	25.812	1.09	24.556	5.64	15.9	
18	-1.008	32.295	-1.78	-1.008	371.1	101.27	1.231	857.01	25.962	30.726	25.962	0.55	24.706	6.09	17.9	
20	-1.196	32.398	-1.79	-1.196	373.0	101.34	0.790	334.16	26.050	30.820	26.050	0.39	24.836	6.51	19.9	
22	-1.195	32.471	-1.79	-1.195	367.6	99.94	0.303	329.36	26.110	30.878	26.110	0.40	24.949	6.92	21.8	
24	-1.314	32.568	-1.80	-1.314	361.0	97.91	0.246	159.20	26.192	30.963	26.192	0.42	25.049	7.31	23.8	
26	-1.303	32.678	-1.81	-1.304	354.6	96.27	0.161	122.71	26.281	31.051	26.281	0.43	25.140	7.69	25.8	
28	-1.257	32.740	-1.81	-1.258	349.6	95.09	0.114	97.25	26.330	31.098	26.330	0.33	25.224	8.06	27.8	
30	-1.494	32.816	-1.82	-1.495	348.7	94.29	0.105	64.21	26.398	31.173	26.398	0.43	25.300	8.41	29.8	
32	-1.499	32.913	-1.83	-1.500	346.8	93.82	0.095	57.46	26.477	31.251	26.477	0.44	25.371	8.75	31.7	
34	-1.486	33.004	-1.83	-1.487	343.8	93.11	0.093	51.75	26.550	31.323	26.550	0.28	25.438	9.07	33.7	
36	-1.422	33.106	-1.84	-1.423	341.3	92.66	0.126	53.60	26.632	31.402	26.632	0.42	25.502	9.38	35.7	
38	-1.381	33.190	-1.85	-1.382	338.9	92.17	0.109	53.23	26.698	31.466	26.698	0.35	25.564	9.68	37.7	
40	-1.447	33.255	-1.85	-1.448	339.6	92.25	0.097	46.51	26.753	31.523	26.753	0.29	25.622	9.96	39.7	
45	-1.548	33.439	-1.87	-1.549	336.6	91.32	0.084	32.51	26.906	31.677	26.906	0.32	25.757	10.62	44.6	
50	-1.319	33.575	-1.88	-1.321	332.2	90.77	0.079	30.89	27.009	31.772	27.009	0.09	25.878	11.21	49.6	
55	-1.425	33.681	-1.89	-1.426	328.6	89.62	0.078	27.36	27.099	31.864	27.099	0.04	25.985	11.76	54.5	
60	-1.423	33.767	-1.90	-1.425	326.9	89.20	0.080	23.62	27.168	31.933	27.168	0.21	26.081	12.27	59.5	
65	-1.025	33.829	-1.90	-1.027	323.2	89.19	0.077	32.65	27.205	31.957	27.205	0.09	26.166	12.75	64.4	
70	-1.578	33.857	-1.91	-1.580	324.3	88.19	0.077	24.21	27.246	32.014	27.246	0.14	26.241	13.23	69.4	
75	-1.626	33.908	-1.92	-1.627	327.1	88.87	0.083	23.03	27.288	32.058	27.288	0.13	26.309	13.68	74.3	
80	-1.580	33.957	-1.92	-1.582	327.4	89.10	0.077	21.13	27.327	32.095	27.327	0.09	26.372	14.11	79.3	
85	-1.458	34.005	-1.93	-1.460	326.6	89.20	0.076	22.30	27.362	32.126	27.362	0.07	26.430	14.51	84.2	
90	-1.496	34.055	-1.94	-1.498	324.5	88.58	0.080	21.86	27.404	32.168	27.404	0.16	26.483	14.91	89.2	
95	-1.486	34.085	-1.94	-1.488	324.3	88.57	0.075	21.57	27.428	32.192	27.428	0.04	26.532	15.28	94.1	
100	-1.479	34.102	-1.95	-1.481	323.0	88.24	0.072	23.47	27.442	32.205	27.442	0.13	26.577	15.65	99.1	
105	-1.431	34.134	-1.95	-1.434	322.2	88.15	0.073	22.15	27.467	32.228	27.467	0.07	26.619	16.01	104.0	
110	-1.449	34.173	-1.96	-1.451	321.5	87.94	0.073	21.79	27.499	32.260	27.499	0.21	26.658	16.35	109.0	
115	-1.327	34.195	-1.96	-1.330	319.6	87.74	0.073	22.37	27.513	32.271	27.513	0.18	26.694	16.69	113.9	
120	-1.192	34.228	-1.97	-1.196	318.1	87.66	0.072	22.67	27.535	32.288	27.535	-0.01	26.729	17.01	118.9	
125	-1.238	34.236	-1.97	-1.241	318.2	87.59	0.073	21.86	27.543	32.298	27.543	0.07	26.762	17.33	123.8	
150	-0.872	34.421	-2.00	-0.876	314.7	87.61	0.074	19.52	27.679	32.422	27.679	0.17	26.903	18.75	148.5	
175	-0.028	34.593	-2.03	-0.034	305.0	86.97	0.071	22.08	27.779	32.495	27.779	0.06	27.021	19.88	173.3	
200	0.565	34.710	-2.06	0.557	299.9	86.93	0.070	21.93	27.840	32.539	27.841	0.05	27.119	20.82	198.0	
225	0.987	34.800	-2.08	0.977	294.4	86.34	0.071	21.86	27.886	32.572	27.886	0.06	27.202	21.63	222.7	
250	1.311	34.872	-2.10	1.298	297.7	88.10	0.070	21.05	27.921	32.598	27.922	0.06	27.272	22.34	247.4	
275	1.396	34.907	-2.12	1.383	297.6	88.29	0.069	19.44	27.943	32.617	27.944	0.05	27.332	22.98	272.1	
300	1.192	34.906	-2.14	1.177	297.7	87.86	0.070	20.91	27.957	32.637	27.958	0.06	27.384	23.58	296.8	
325	1.020	34.905	-2.16	1.004	296.1	86.98	0.072	23.62	27.968	32.652	27.969	0.05	27.428	24.14	321.5	
350	0.928	34.906	-2.18	0.912	296.0	86.76	0.069	28.68	27.975	32.662	27.976	0.05	27.467	24.69	346.2	
375	0.873	34.906	-2.20	0.856	296.2	86.68	0.069	33.61	27.979	32.667	27.980	0.05	27.501	25.23	370.9	
400	0.838	34.907	-2.22	0.819	295.1	86.29	0.068	44.14	27.982	32.671	27.983	0.04	27.531	25.76	395.6	
485	0.808	34.905	-2.28	0.786	284.4	83.10	0.068	92.31	27.982	32.672	27.983	0.04	27.610	27.54	479.6	

NEWP 92 STA 73 CTD 118

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.482	30.233	-1.65	-0.482	372.9	101.59	0.128	461.18	24.277	29.043	24.276	0.08	24.276	0.00	0.0
2	-0.470	30.253	-1.65	-0.470	374.9	102.20	0.123	458.77	24.292	29.058	24.292	-0.15	24.287	0.76	2.0
4	-0.473	30.314	-1.66	-0.474	374.6	102.16	0.123	461.13	24.342	29.107	24.342	0.26	24.293	1.52	4.0
6	-0.494	30.429	-1.67	-0.494	375.8	102.50	0.142	472.47	24.435	29.200	24.435	0.51	24.321	2.26	6.0
8	-0.496	30.418	-1.67	-0.496	375.2	102.34	0.181	475.71	24.426	29.192	24.426	0.23	24.346	2.99	7.9
10	-0.481	30.418	-1.67	-0.481	373.4	101.90	0.203	485.52	24.426	29.191	24.426	-0.39	24.366	3.72	9.9
12	-0.487	30.721	-1.69	-0.487	372.7	101.93	0.231	526.80	24.671	29.434	24.671	2.87	24.382	4.44	11.9
14	-0.635	31.405	-1.73	-0.635	372.5	101.99	0.419	466.24	25.229	29.990	25.229	2.58	24.461	5.07	13.9
16	-0.831	31.830	-1.75	-0.831	374.5	102.32	0.702	414.36	25.579	30.342	25.579	0.75	24.587	5.60	15.9
18	-1.075	32.069	-1.77	-1.076	376.0	102.24	0.904	376.09	25.780	30.549	25.780	0.42	24.709	6.08	17.9
20	-1.208	32.162	-1.77	-1.208	377.5	102.35	0.726	409.96	25.860	30.632	25.860	0.29	24.820	6.54	19.9
22	-1.179	32.233	-1.78	-1.179	374.4	101.64	0.627	353.18	25.916	30.686	25.916	0.14	24.917	6.99	21.8
24	-1.213	32.272	-1.78	-1.214	371.2	100.72	0.591	329.47	25.949	30.720	25.949	0.38	25.001	7.43	23.8
26	-1.218	32.374	-1.79	-1.219	367.7	99.83	0.407	197.64	26.031	30.802	26.031	0.26	25.078	7.85	25.8
28	-1.378	32.478	-1.80	-1.379	365.5	98.88	0.262	124.00	26.121	30.895	26.121	0.65	25.149	8.26	27.8
30	-1.470	32.595	-1.81	-1.471	363.8	98.27	0.154	76.25	26.218	30.994	26.218	0.30	25.217	8.65	29.8
32	-1.579	32.672	-1.81	-1.579	362.0	97.54	0.111	51.68	26.283	31.062	26.283	0.47	25.282	9.03	31.7
34	-1.580	32.762	-1.82	-1.581	358.1	96.56	0.090	48.13	26.356	31.134	26.356	0.36	25.343	9.39	33.7
36	-1.586	32.819	-1.83	-1.587	354.3	95.56	0.084	45.84	26.403	31.181	26.403	0.38	25.401	9.74	35.7
38	-1.566	32.906	-1.83	-1.567	351.0	94.78	0.086	48.72	26.473	31.249	26.473	0.23	25.456	10.08	37.7
40	-1.505	33.013	-1.84	-1.506	347.5	94.08	0.088	49.09	26.558	31.331	26.558	0.97	25.508	10.40	39.7
45	-1.425	33.323	-1.86	-1.426	339.6	92.34	0.085	52.20	26.808	31.576	26.808	0.30	25.640	11.13	44.6
50	-1.535	33.484	-1.87	-1.536	342.5	92.97	0.083	44.73	26.941	31.712	26.941	0.26	25.764	11.76	49.6
55	-1.483	33.590	-1.88	-1.484	341.0	92.79	0.076	41.64	27.026	31.794	27.026	0.27	25.875	12.34	54.5
60	-1.563	33.697	-1.89	-1.564	340.0	92.37	0.072	36.63	27.115	31.884	27.115	0.35	25.975	12.89	59.5
65	-1.559	33.783	-1.90	-1.560	337.9	91.88	0.068	28.61	27.185	31.953	27.185	0.20	26.066	13.39	64.4
70	-1.543	33.859	-1.91	-1.544	334.8	91.12	0.067	31.33	27.246	32.013	27.246	0.16	26.148	13.86	69.4
75	-1.511	33.932	-1.92	-1.512	332.9	90.75	0.064	28.24	27.305	32.070	27.305	0.12	26.223	14.30	74.3
80	-1.501	33.980	-1.92	-1.503	332.7	90.73	0.064	28.17	27.343	32.108	27.343	0.12	26.292	14.73	79.3
85	-1.413	34.038	-1.93	-1.415	330.6	90.43	0.067	30.37	27.388	32.150	27.388	0.09	26.355	15.13	84.2
90	-1.449	34.077	-1.94	-1.451	329.2	89.98	0.065	27.51	27.421	32.183	27.421	0.14	26.413	15.51	89.2
95	-1.450	34.113	-1.94	-1.452	328.5	89.81	0.064	27.58	27.450	32.212	27.450	0.07	26.467	15.88	94.1
100	-1.498	34.142	-1.95	-1.500	329.0	89.86	0.062	23.40	27.475	32.239	27.475	0.10	26.517	16.23	99.1
105	-1.454	34.176	-1.95	-1.456	327.4	89.56	0.063	22.59	27.501	32.263	27.502	0.11	26.563	16.57	104.0
110	-1.345	34.214	-1.96	-1.347	325.9	89.43	0.062	22.52	27.528	32.286	27.528	0.05	26.606	16.90	109.0
115	-1.231	34.255	-1.97	-1.234	323.9	89.18	0.060	21.57	27.558	32.313	27.558	0.08	26.647	17.22	113.9
120	-1.351	34.275	-1.97	-1.354	324.2	88.99	0.060	21.35	27.578	32.336	27.578	0.18	26.685	17.53	118.9
125	-1.389	34.310	-1.98	-1.392	324.6	89.03	0.060	20.54	27.608	32.366	27.608	0.22	26.721	17.82	123.8
150	-0.500	34.467	-2.01	-0.505	314.4	88.44	0.059	22.01	27.700	32.431	27.701	0.14	26.874	19.16	148.5
175	0.343	34.641	-2.03	0.336	304.2	87.63	0.056	22.45	27.798	32.503	27.798	0.04	26.999	20.24	173.3
200	0.719	34.745	-2.06	0.710	301.5	87.76	0.057	22.59	27.858	32.552	27.859	0.12	27.103	21.13	198.0
225	1.010	34.819	-2.08	1.000	298.3	87.55	0.056	24.50	27.899	32.584	27.900	0.04	27.190	21.89	222.7
250	1.283	34.879	-2.10	1.271	299.9	88.70	0.056	23.77	27.929	32.606	27.930	0.08	27.263	22.56	247.4
275	1.193	34.898	-2.12	1.180	303.3	89.50	0.055	33.98	27.951	32.630	27.952	0.06	27.325	23.17	272.1
300	1.104	34.903	-2.14	1.090	301.0	88.63	0.056	45.84	27.961	32.643	27.962	0.05	27.377	23.76	296.8
325	1.049	34.901	-2.16	1.033	300.4	88.30	0.056	67.54	27.963	32.646	27.964	0.05	27.422	24.33	321.5
350	1.046	34.910	-2.18	1.029	290.6	85.43	0.055	78.86	27.970	32.654	27.972	0.04	27.461	24.89	346.2

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
74	119	13 AUG 92	0541	77 .05	-10 54.59	385	11	33

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	1301	-.259	30.412	-.259	24.414	30.453	408.5	.06	.02	.03	.71	1.37
4	1300	-.253	30.439	-.253	24.435	30.451	409.5	.06	0.00	.02	.72	1.39
7	1299	-.515	30.724	-.515	24.674	30.768	416.6	.04	.01	.02	.76	1.80
13	1298	-.639	31.484	-.640	25.293	31.565	426.8	.02	.01	.03	.84	2.70
20	1297	-.937	32.144	-.938	25.837	32.216	391.7	1.82	.04	.10	.98	9.06
31	1296	-1.409	32.709	-1.410	26.309	32.804	347.3	6.34	.06	.10	1.07	12.46
47	1295	-1.482	33.402	-1.483	26.873	33.433	337.1	7.37	.07	.14	.89	9.73
100	1294	-1.469	34.128	-1.471	27.463	34.101	321.1	9.84	.01	.01	.79	6.40
150	1293	-.751	34.401	-.755	27.658	34.374	307.5	11.07	.01	0.00	.83	6.96
251	1292	1.811	34.926	1.797	27.928	34.919	306.7	11.94	.01	0.00	.84	5.70
350	1291	1.062	34.910	1.046	27.970	34.906	294.7	12.72	.01	.01	.90	7.88

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	1301	1.06	0.00	22.5	2.5			165000			
4	1300	.91	.12	19.8	2.5			178000			
7	1299	2.29	.04	26.1	3.2			234000			
13	1298	3.87	.39	41.0	4.7			378000			
20	1297	5.52	.87	30.6	4.8			312000			
31	1296	.22	.34	2.0	.2			62700	6.560	1.918	3.40
47	1295	.02	.09	.0	.1			57700			
100	1294	.04	.10	1.3							
150	1293	.03	.09	2.5	.0						
251	1292	.05	.01	.6	.0				2.600	1.892	4.00
350	1291								2.100	1.874	7.80

NEWP 92 STA 74 CTD 119

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.281	30.292	-1.65	-0.281	362.3	99.30	0.155	346.93	24.318	29.078	24.318	0.08	24.317	0.00	0.0
2	-0.316	30.353	-1.66	-0.316	362.7	99.36	0.169	378.43	24.368	29.128	24.368	0.64	24.333	0.75	2.0
4	-0.430	30.452	-1.67	-0.430	364.6	99.64	0.187	367.13	24.452	29.215	24.452	0.28	24.376	1.48	4.0
6	-0.429	30.505	-1.67	-0.429	364.6	99.70	0.216	401.63	24.495	29.257	24.495	0.99	24.406	2.21	6.0
8	-0.560	30.774	-1.69	-0.560	367.0	100.20	0.356	569.59	24.716	29.480	24.716	0.18	24.468	2.89	7.9
10	-0.604	30.830	-1.69	-0.605	367.2	100.19	0.263	520.88	24.763	29.528	24.763	2.64	24.509	3.58	9.9
12	-0.687	30.991	-1.70	-0.687	367.6	100.18	0.400	631.19	24.895	29.662	24.895	2.37	24.559	4.23	11.9
14	-0.639	31.244	-1.72	-0.639	373.2	102.03	0.654	688.41	25.099	29.861	25.099	0.58	24.628	4.84	13.9
16	-0.643	31.429	-1.73	-0.643	371.5	101.72	0.424	660.70	25.249	30.010	25.249	0.75	24.696	5.43	15.9
18	-0.657	31.766	-1.75	-0.657	373.4	102.44	1.197	823.80	25.522	30.280	25.522	1.68	24.771	5.97	17.9
20	-0.794	32.030	-1.77	-0.794	375.8	102.94	0.836	658.84	25.740	30.500	25.740	0.74	24.859	6.47	19.9
22	-0.883	32.173	-1.78	-0.883	375.5	102.71	0.827	430.06	25.859	30.621	25.859	0.76	24.944	6.93	21.8
24	-1.050	32.296	-1.79	-1.050	372.7	101.58	0.380	205.28	25.963	30.729	25.964	0.39	25.026	7.37	23.8
26	-1.280	32.431	-1.79	-1.281	366.8	99.45	0.178	95.99	26.080	30.851	26.080	0.69	25.103	7.79	25.8
28	-1.338	32.543	-1.80	-1.339	359.3	97.37	0.116	68.88	26.172	30.945	26.172	0.33	25.177	8.19	27.8
30	-1.431	32.627	-1.81	-1.432	354.7	95.94	0.108	58.56	26.243	31.018	26.243	0.45	25.245	8.57	29.8
32	-1.468	32.710	-1.82	-1.468	351.3	94.96	0.102	51.24	26.311	31.086	26.311	0.44	25.310	8.94	31.7
34	-1.554	32.832	-1.82	-1.554	348.0	93.95	0.163	38.91	26.413	31.189	26.413	0.46	25.372	9.29	33.7
36	-1.532	32.894	-1.83	-1.533	344.7	93.17	0.100	36.85	26.462	31.237	26.462	0.28	25.431	9.63	35.7
38	-1.532	32.959	-1.83	-1.532	342.7	92.65	0.093	34.49	26.515	31.290	26.515	0.29	25.487	9.96	37.7
40	-1.547	33.034	-1.84	-1.548	341.1	92.25	0.092	32.73	26.576	31.351	26.576	0.39	25.539	10.28	39.7
45	-1.566	33.237	-1.86	-1.567	336.4	91.08	0.091	31.99	26.741	31.515	26.741	0.40	25.663	11.03	44.6
50	-1.476	33.391	-1.87	-1.477	335.8	91.24	0.087	29.79	26.864	31.633	26.864	0.13	25.778	11.69	49.6
55	-1.448	33.509	-1.88	-1.449	332.6	90.51	0.092	34.86	26.959	31.727	26.959	0.19	25.882	12.31	54.5
60	-1.498	33.626	-1.89	-1.499	334.2	90.91	0.091	25.60	27.056	31.824	27.056	0.34	25.975	12.89	59.5
65	-1.443	33.732	-1.90	-1.444	328.9	89.67	0.084	24.57	27.140	31.905	27.140	0.21	26.062	13.41	64.4
70	-1.379	33.798	-1.91	-1.381	324.5	88.68	0.082	25.97	27.192	31.955	27.192	0.15	26.141	13.91	69.4
75	-1.627	33.874	-1.91	-1.628	326.6	88.71	0.087	24.65	27.261	32.031	27.261	0.19	26.213	14.38	74.3
80	-1.552	33.917	-1.92	-1.554	327.6	89.18	0.084	23.25	27.293	32.061	27.294	0.08	26.280	14.82	79.3
85	-1.536	33.971	-1.93	-1.537	326.2	88.90	0.092	22.37	27.337	32.103	27.337	0.16	26.340	15.25	84.2
90	-1.432	34.028	-1.93	-1.434	324.6	88.74	0.083	22.15	27.380	32.143	27.380	0.10	26.397	15.65	89.2
95	-1.440	34.067	-1.94	-1.442	324.5	88.73	0.083	21.93	27.412	32.175	27.412	0.13	26.449	16.04	94.1
100	-1.525	34.087	-1.95	-1.527	323.8	88.33	0.080	21.57	27.431	32.195	27.431	0.11	26.498	16.42	99.1
105	-1.507	34.118	-1.95	-1.509	323.4	88.30	0.081	20.98	27.455	32.220	27.456	0.06	26.543	16.78	104.0
110	-1.450	34.141	-1.96	-1.452	323.2	88.39	0.081	22.45	27.472	32.235	27.473	0.06	26.585	17.13	109.0
115	-1.418	34.164	-1.96	-1.420	322.4	88.27	0.080	21.35	27.490	32.251	27.490	0.07	26.624	17.48	113.9
120	-1.360	34.184	-1.97	-1.363	321.0	88.04	0.090	21.20	27.504	32.263	27.504	0.09	26.660	17.82	118.9
125	-1.242	34.217	-1.97	-1.245	318.8	87.74	0.081	23.55	27.528	32.283	27.528	0.10	26.694	18.14	123.8
150	-0.790	34.393	-2.00	-0.795	310.9	86.72	0.080	21.79	27.653	32.393	27.653	0.09	26.843	19.61	148.5
175	-0.174	34.560	-2.03	-0.180	306.3	86.99	0.079	22.15	27.760	32.481	27.761	0.08	26.966	20.80	173.3
200	0.619	34.712	-2.06	0.610	297.4	86.32	0.079	21.57	27.838	32.535	27.839	0.08	27.070	21.76	198.0
225	0.948	34.784	-2.08	0.938	295.4	86.53	0.077	23.99	27.875	32.563	27.876	0.06	27.158	22.58	222.7
250	1.747	34.919	-2.11	1.733	296.6	88.80	0.076	23.33	27.926	32.591	27.927	0.07	27.233	23.27	247.4
275	1.740	34.928	-2.13	1.726	300.2	89.86	0.077	23.11	27.934	32.599	27.935	0.04	27.296	23.92	272.1
300	1.290	34.906	-2.14	1.275	297.9	88.14	0.075	23.55	27.950	32.627	27.951	0.05	27.350	24.54	296.9
325	1.146	34.905	-2.16	1.131	296.7	87.44	0.073	26.92	27.959	32.640	27.960	0.05	27.397	25.13	321.6
350	1.034	34.905	-2.18	1.018	296.8	87.22	0.073	58.94	27.967	32.651	27.968	0.05	27.437	25.69	346.3
375	0.994	34.912	-2.20	0.976	293.3	86.11	0.075	77.29	27.975	32.660	27.976	0.04	27.473	26.24	371.0
385	0.918	34.907	-2.21	0.900	285.4	83.61	0.073	85.58	27.977	32.664	27.978	0.04	27.486	26.45	380.8

NEWP 92 STA 75 CTD 122

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.385	30.895	-1.69	-0.385	370.3	101.67	0.192	480.48	24.808	29.566	24.808	0.06	24.808	0.00	0.0
2	-0.382	30.926	-1.69	-0.383	370.3	101.69	0.194	484.36	24.833	29.591	24.833	0.14	24.817	0.66	2.0
4	-0.346	30.750	-1.68	-0.346	368.8	101.25	0.152	415.51	24.690	29.448	24.690	-0.62	24.787	1.32	4.0
6	-0.371	30.850	-1.69	-0.371	368.5	101.18	0.172	447.35	24.771	29.529	24.771	-1.31	24.781	1.99	6.0
8	-0.378	30.867	-1.69	-0.378	369.8	101.53	0.221	409.86	24.785	29.543	24.785	-3.81	24.797	2.64	7.9
10	-0.351	30.673	-1.68	-0.351	371.3	101.88	0.155	430.47	24.627	29.386	24.627	-1.67	24.769	3.32	9.9
12	-0.448	31.285	-1.72	-0.448	372.1	102.31	0.221	557.59	25.126	29.882	25.126	3.32	24.783	3.97	11.9
14	-0.507	31.425	-1.73	-0.508	373.5	102.62	0.346	581.55	25.240	29.997	25.240	2.40	24.840	4.55	13.9
16	-0.773	31.938	-1.76	-0.773	374.9	102.68	0.311	714.95	25.665	30.426	25.665	1.16	24.923	5.07	15.9
18	-0.990	32.128	-1.77	-0.990	378.7	103.25	0.646	698.31	25.826	30.591	25.826	0.78	25.015	5.55	17.9
20	-1.181	32.279	-1.78	-1.182	383.7	104.21	1.191	572.13	25.954	30.724	25.954	0.61	25.103	5.99	19.8
22	-1.280	32.411	-1.79	-1.281	384.5	104.25	0.492	147.57	26.064	30.836	26.064	0.49	25.186	6.41	21.8
24	-1.281	32.539	-1.80	-1.281	380.3	103.20	0.178	94.71	26.167	30.938	26.167	0.58	25.263	6.82	23.8
26	-1.216	32.668	-1.81	-1.216	370.7	100.89	0.142	82.22	26.270	31.038	26.270	0.16	25.337	7.20	25.8
28	-1.326	32.706	-1.81	-1.326	366.2	99.40	0.125	75.51	26.304	31.074	26.304	0.32	25.404	7.57	27.8
30	-1.465	32.740	-1.82	-1.465	362.4	98.01	0.111	61.83	26.336	31.111	26.336	0.28	25.465	7.93	29.8
32	-1.481	32.818	-1.82	-1.481	357.5	96.70	0.111	62.79	26.399	31.174	26.399	0.40	25.522	8.28	31.7
34	-1.448	32.867	-1.83	-1.449	353.2	95.67	0.114	65.76	26.438	31.212	26.438	0.17	25.575	8.62	33.7
36	-1.513	32.946	-1.83	-1.514	351.5	95.07	0.115	59.97	26.504	31.278	26.504	0.38	25.624	8.96	35.7
38	-1.476	33.060	-1.84	-1.477	348.6	94.46	0.115	55.90	26.596	31.368	26.596	0.44	25.673	9.28	37.7
40	-1.499	33.128	-1.85	-1.499	346.8	93.99	0.106	51.68	26.651	31.424	26.651	0.38	25.721	9.58	39.7
45	-1.456	33.317	-1.86	-1.457	342.6	93.09	0.102	51.24	26.804	31.573	26.804	0.25	25.835	10.28	44.6
50	-1.542	33.517	-1.88	-1.543	341.4	92.68	0.099	43.55	26.969	31.739	26.969	0.44	25.940	10.91	49.6
55	-1.592	33.666	-1.89	-1.593	340.4	92.40	0.098	41.05	27.091	31.861	27.091	0.19	26.040	11.47	54.5
60	-1.598	33.772	-1.90	-1.599	336.3	91.35	0.096	34.20	27.177	31.947	27.177	0.18	26.131	11.98	59.5
65	-1.585	33.839	-1.90	-1.586	334.2	90.85	0.092	30.52	27.232	32.000	27.232	0.13	26.214	12.46	64.4
70	-1.580	33.903	-1.91	-1.582	332.8	90.51	0.091	28.02	27.283	32.051	27.283	0.09	26.288	12.91	69.4
75	-1.594	33.948	-1.92	-1.596	331.8	90.25	0.089	24.72	27.320	32.088	27.320	0.15	26.356	13.34	74.3
80	-1.602	33.997	-1.92	-1.604	330.1	89.80	0.088	24.35	27.360	32.128	27.360	0.12	26.417	13.75	79.3
85	-1.575	34.036	-1.93	-1.577	329.2	89.66	0.088	21.71	27.391	32.158	27.391	0.13	26.474	14.15	84.2
90	-1.595	34.058	-1.94	-1.597	326.9	89.00	0.086	22.89	27.409	32.177	27.410	0.06	26.525	14.53	89.2
95	-1.612	34.082	-1.94	-1.614	327.6	89.15	0.086	21.35	27.430	32.197	27.430	0.06	26.572	14.91	94.1
100	-1.561	34.114	-1.95	-1.563	327.6	89.30	0.086	20.61	27.454	32.219	27.454	0.09	26.616	15.27	99.1
105	-1.529	34.132	-1.95	-1.531	326.3	89.04	0.086	21.57	27.468	32.232	27.468	0.07	26.656	15.63	104.0
110	-1.529	34.159	-1.96	-1.532	325.6	88.85	0.085	21.20	27.490	32.254	27.490	0.12	26.693	15.98	109.0
115	-1.484	34.178	-1.96	-1.486	324.0	88.55	0.084	21.57	27.503	32.266	27.503	0.09	26.728	16.32	113.9
120	-1.443	34.203	-1.97	-1.446	323.1	88.41	0.084	21.49	27.523	32.284	27.523	0.09	26.761	16.65	118.9
125	-1.436	34.231	-1.97	-1.439	323.3	88.52	0.084	20.91	27.545	32.306	27.546	0.14	26.792	16.97	123.8
150	-1.254	34.340	-2.00	-1.258	320.2	88.18	0.082	20.76	27.628	32.382	27.628	0.11	26.925	18.43	148.5
175	-0.341	34.522	-2.03	-0.347	310.2	87.68	0.084	22.81	27.737	32.463	27.737	0.07	27.034	19.66	173.3
200	0.446	34.673	-2.05	0.438	301.8	87.19	0.084	22.59	27.817	32.520	27.818	0.10	27.127	20.67	198.0
225	0.897	34.772	-2.08	0.886	298.3	87.27	0.082	22.37	27.869	32.558	27.870	0.09	27.207	21.52	222.7
250	1.304	34.878	-2.10	1.292	294.8	87.23	0.081	24.35	27.927	32.604	27.928	0.11	27.275	22.26	247.4
275	1.307	34.885	-2.12	1.293	300.9	89.04	0.081	27.80	27.932	32.609	27.933	0.08	27.335	22.91	272.1
300	1.169	34.904	-2.14	1.155	298.5	88.02	0.080	43.78	27.957	32.637	27.958	0.07	27.386	23.52	296.8
325	1.175	34.918	-2.16	1.159	300.4	88.60	0.081	59.08	27.968	32.648	27.969	0.05	27.430	24.09	321.5
350	1.126	34.919	-2.18	1.109	295.2	86.97	0.080	75.43	27.972	32.653	27.973	0.05	27.469	24.64	346.2
363	0.922	34.911	-2.19	0.905	289.3	84.79	0.080	105.31	27.979	32.666	27.980	0.03	27.487	24.92	359.1

NEWP 92 STA 75 CTD 123

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.242	30.019	-1.64	-0.242	341.1	93.38	0.115	251.80	24.096	28.857	24.096	0.06	24.096	0.00	0.0
2	-0.241	30.050	-1.64	-0.241	344.3	94.28	0.118	259.82	24.121	28.882	24.121	0.40	24.102	0.79	2.0
4	-0.260	30.095	-1.65	-0.260	347.8	95.22	0.116	254.55	24.158	28.919	24.158	0.15	24.124	1.58	4.0
6	-0.252	30.159	-1.65	-0.253	353.0	96.74	0.123	285.85	24.209	28.969	24.209	0.28	24.142	2.36	6.0
8	-0.244	30.196	-1.65	-0.244	357.7	98.06	0.121	297.75	24.239	28.999	24.239	0.05	24.163	3.13	7.9
10	-0.320	30.796	-1.69	-0.320	359.5	98.80	0.157	428.50	24.726	29.483	24.726	3.45	24.215	3.86	9.9
12	-0.507	31.595	-1.74	-0.507	362.9	99.85	0.261	597.11	25.378	30.133	25.378	3.93	24.352	4.47	11.9
14	-0.767	31.943	-1.76	-0.767	369.8	101.30	0.439	783.60	25.669	30.429	25.669	0.80	24.525	4.98	13.9
16	-0.954	32.083	-1.77	-0.955	374.5	102.19	0.886	818.77	25.788	30.553	25.788	0.46	24.676	5.46	15.9
18	-1.100	32.161	-1.77	-1.100	376.7	102.42	1.335	963.52	25.856	30.624	25.856	0.48	24.803	5.92	17.9
20	-1.199	32.264	-1.78	-1.199	376.3	102.14	2.093	804.44	25.942	30.713	25.942	0.39	24.913	6.36	19.8
22	-1.247	32.337	-1.79	-1.247	374.2	101.48	0.719	215.43	26.003	30.774	26.003	0.37	25.009	6.79	21.8
24	-1.322	32.435	-1.79	-1.323	367.3	99.50	0.162	137.24	26.084	30.857	26.084	0.44	25.095	7.21	23.8
26	-1.382	32.526	-1.80	-1.383	359.4	97.26	0.149	91.94	26.160	30.934	26.160	0.44	25.174	7.61	25.8
28	-1.409	32.654	-1.81	-1.409	351.7	95.21	0.104	65.17	26.264	31.038	26.264	0.62	25.248	7.99	27.8
30	-1.366	32.773	-1.82	-1.367	346.2	93.89	0.100	60.35	26.360	31.131	26.360	0.61	25.319	8.35	29.8
32	-1.435	32.847	-1.82	-1.435	344.9	93.42	0.099	53.68	26.421	31.194	26.421	0.36	25.387	8.70	31.7
34	-1.442	32.934	-1.83	-1.442	341.1	92.43	0.102	57.23	26.493	31.265	26.493	0.43	25.449	9.04	33.7
36	-1.485	33.005	-1.84	-1.485	339.2	91.88	0.100	53.75	26.551	31.324	26.551	0.36	25.509	9.36	35.7
38	-1.492	33.111	-1.84	-1.493	336.7	91.26	0.096	49.68	26.638	31.410	26.638	0.34	25.566	9.67	37.7
40	-1.450	33.204	-1.85	-1.451	336.3	91.31	0.092	48.28	26.712	31.482	26.712	0.38	25.622	9.96	39.7
45	-1.489	33.397	-1.86	-1.490	335.5	91.14	0.089	46.58	26.870	31.639	26.870	0.47	25.752	10.64	44.6
50	-1.572	33.587	-1.88	-1.573	334.6	90.82	0.091	39.57	27.026	31.797	27.026	0.18	25.873	11.23	49.6
55	-1.546	33.699	-1.89	-1.547	330.3	89.80	0.084	34.64	27.117	31.885	27.117	0.15	25.982	11.77	54.5
60	-1.572	33.767	-1.90	-1.573	329.8	89.62	0.084	31.55	27.172	31.941	27.172	0.09	26.079	12.28	59.5
65	-1.552	33.844	-1.90	-1.554	326.9	88.95	0.080	27.73	27.234	32.002	27.234	0.20	26.165	12.76	64.4
70	-1.584	33.907	-1.91	-1.586	324.9	88.36	0.078	27.88	27.287	32.055	27.287	0.10	26.243	13.22	69.4
75	-1.598	33.951	-1.92	-1.599	324.2	88.17	0.078	24.21	27.323	32.091	27.323	0.14	26.314	13.65	74.3
80	-1.609	33.993	-1.92	-1.611	325.9	88.63	0.076	23.33	27.357	32.125	27.357	0.12	26.378	14.06	79.3
85	-1.569	34.025	-1.93	-1.571	325.9	88.74	0.144	19.88	27.382	32.148	27.382	0.10	26.436	14.46	84.2
90	-1.565	34.053	-1.94	-1.566	324.7	88.46	0.075	20.47	27.405	32.171	27.405	0.06	26.489	14.85	89.2
95	-1.613	34.071	-1.94	-1.615	326.0	88.70	0.077	20.76	27.421	32.188	27.421	0.07	26.538	15.23	94.1
100	-1.609	34.089	-1.95	-1.611	326.6	88.90	0.074	19.81	27.435	32.202	27.435	0.09	26.582	15.60	99.1
105	-1.535	34.117	-1.95	-1.537	324.8	88.61	0.074	19.59	27.456	32.221	27.456	0.08	26.623	15.96	104.0
110	-1.547	34.133	-1.96	-1.550	324.1	88.40	0.074	19.96	27.469	32.234	27.469	0.07	26.661	16.32	109.0
115	-1.494	34.163	-1.96	-1.496	323.0	88.25	0.075	19.52	27.492	32.255	27.492	0.09	26.697	16.66	113.9
120	-1.456	34.191	-1.97	-1.459	322.3	88.15	0.072	19.96	27.513	32.275	27.514	0.07	26.730	17.00	118.9
125	-1.448	34.211	-1.97	-1.451	322.2	88.16	0.073	19.22	27.529	32.291	27.529	0.09	26.762	17.32	123.8
150	-1.222	34.347	-2.00	-1.226	318.0	87.66	0.073	20.03	27.633	32.386	27.633	0.09	26.899	18.81	148.5
175	-0.238	34.534	-2.03	-0.244	306.6	86.90	0.072	20.54	27.742	32.465	27.743	0.06	27.011	20.04	173.3
200	0.439	34.667	-2.05	0.431	298.5	86.21	0.074	22.52	27.813	32.515	27.813	0.04	27.106	21.07	198.0
225	0.928	34.779	-2.08	0.918	296.4	86.78	0.071	20.61	27.872	32.560	27.873	0.11	27.188	21.92	222.7
250	1.266	34.867	-2.10	1.254	293.3	86.68	0.070	24.57	27.921	32.599	27.922	0.10	27.259	22.65	247.4
275	1.373	34.902	-2.12	1.359	298.3	88.44	0.071	22.81	27.941	32.616	27.942	0.06	27.320	23.30	272.1
300	1.235	34.914	-2.14	1.220	297.0	87.73	0.070	40.97	27.960	32.638	27.961	0.04	27.372	23.90	296.8
325	1.147	34.913	-2.16	1.132	299.1	88.18	0.069	54.86	27.966	32.647	27.967	0.04	27.418	24.47	321.5
350	1.083	34.913	-2.18	1.066	297.8	87.63	0.070	80.65	27.970	32.653	27.971	0.05	27.457	25.03	346.2
363	0.944	34.908	-2.19	0.927	288.3	84.54	0.070	117.86	27.975	32.662	27.976	0.02	27.475	25.31	359.1

NEWP 92 STA 76 CTD 124

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.886	29.890	-1.63	-0.886	368.5	99.05	0.183	432.64	24.011	28.793	24.011	0.05	24.011	0.00	0.0
2	-0.850	29.919	-1.63	-0.850	368.9	99.27	0.185	432.34	24.033	28.814	24.033	0.75	24.012	0.81	2.0
4	-0.815	30.030	-1.64	-0.815	368.6	99.39	0.188	431.40	24.122	28.900	24.122	0.08	24.057	1.61	4.0
6	-0.722	30.026	-1.64	-0.722	367.8	99.40	0.197	431.95	24.116	28.892	24.116	-0.01	24.078	2.40	6.0
8	-0.782	30.012	-1.64	-0.782	368.9	99.53	0.193	432.54	24.106	28.884	24.106	-0.12	24.088	3.19	7.9
10	-0.765	30.454	-1.67	-0.765	365.7	99.04	0.300	473.21	24.464	29.237	24.464	7.22	24.110	3.97	9.9
12	-0.968	31.820	-1.75	-0.968	363.6	98.97	1.663	1056.82	25.575	30.343	25.575	2.13	24.300	4.53	11.9
14	-1.286	32.342	-1.78	-1.286	366.9	99.41	0.380	145.90	26.008	30.780	26.008	0.87	24.519	4.99	13.9
16	-1.328	32.428	-1.79	-1.328	364.2	98.63	0.157	107.02	26.078	30.851	26.078	0.42	24.710	5.40	15.9
18	-1.313	32.549	-1.80	-1.313	355.8	96.48	0.122	70.30	26.176	30.948	26.176	0.55	24.867	5.80	17.9
20	-1.313	32.611	-1.80	-1.314	348.0	94.41	0.107	63.46	26.227	30.998	26.227	0.32	25.001	6.19	19.8
22	-1.319	32.689	-1.81	-1.319	346.2	93.97	0.105	59.38	26.290	31.061	26.290	0.31	25.115	6.56	21.8
24	-1.385	32.744	-1.81	-1.385	346.2	93.82	0.116	58.12	26.337	31.109	26.337	0.16	25.215	6.92	23.8
26	-1.482	32.800	-1.82	-1.483	345.7	93.49	0.115	63.98	26.385	31.160	26.385	0.16	25.303	7.28	25.8
28	-1.459	32.828	-1.82	-1.460	342.7	92.77	0.115	64.87	26.407	31.181	26.407	0.15	25.382	7.63	27.8
30	-1.429	32.886	-1.82	-1.429	340.2	92.19	0.113	65.09	26.453	31.226	26.453	0.42	25.451	7.97	29.8
32	-1.349	32.936	-1.83	-1.350	337.8	91.77	0.113	68.06	26.492	31.261	26.492	0.19	25.515	8.30	31.7
34	-1.388	32.981	-1.83	-1.389	337.5	91.63	0.113	59.90	26.529	31.299	26.529	0.21	25.574	8.63	33.7
36	-1.426	33.021	-1.84	-1.427	337.3	91.51	0.106	55.38	26.563	31.334	26.563	0.21	25.628	8.95	35.7
38	-1.353	33.104	-1.84	-1.354	336.1	91.42	0.104	56.27	26.628	31.396	26.628	0.37	25.679	9.26	37.7
40	-1.342	33.163	-1.85	-1.343	335.1	91.24	0.105	57.53	26.676	31.443	26.676	0.32	25.727	9.55	39.7
45	-1.503	33.326	-1.86	-1.504	333.0	90.36	0.095	38.10	26.812	31.583	26.812	0.27	25.840	10.25	44.6
50	-1.481	33.455	-1.87	-1.482	328.2	89.21	0.089	29.49	26.917	31.686	26.917	0.31	25.942	10.90	49.6
55	-1.419	33.608	-1.88	-1.420	324.2	88.37	0.084	26.33	27.039	31.805	27.039	0.20	26.037	11.48	54.5
60	-1.499	33.723	-1.89	-1.500	322.1	87.67	0.087	26.77	27.135	31.902	27.135	0.24	26.124	12.02	59.5
65	-1.447	33.825	-1.90	-1.448	322.7	88.04	0.087	24.57	27.216	31.980	27.216	0.27	26.204	12.52	64.4
70	-1.302	33.936	-1.91	-1.304	323.2	88.61	0.083	20.91	27.301	32.061	27.301	0.14	26.280	12.97	69.4
75	-1.485	33.990	-1.92	-1.487	322.5	88.01	0.084	23.25	27.351	32.116	27.351	0.14	26.350	13.39	74.3
80	-1.532	34.037	-1.93	-1.534	321.4	87.63	0.084	22.45	27.390	32.156	27.390	0.15	26.413	13.79	79.3
85	-1.529	34.077	-1.93	-1.530	321.7	87.74	0.081	20.54	27.423	32.188	27.423	0.10	26.472	14.17	84.2
90	-1.458	34.118	-1.94	-1.460	322.1	88.05	0.082	20.47	27.454	32.217	27.454	0.12	26.525	14.54	89.2
95	-1.324	34.171	-1.95	-1.327	320.8	88.05	0.081	21.93	27.493	32.251	27.493	0.10	26.575	14.88	94.1
100	-1.183	34.221	-1.95	-1.186	318.8	87.86	0.080	20.69	27.529	32.282	27.529	0.14	26.622	15.22	99.1
105	-1.170	34.248	-1.96	-1.173	316.8	87.37	0.080	21.49	27.550	32.303	27.550	0.04	26.666	15.53	104.0
110	-1.372	34.277	-1.96	-1.374	317.9	87.22	0.079	19.52	27.580	32.339	27.581	0.08	26.706	15.84	109.0
115	-1.380	34.315	-1.97	-1.383	317.8	87.19	0.078	20.03	27.612	32.370	27.612	0.32	26.744	16.14	113.9
120	-1.152	34.337	-1.98	-1.155	317.2	87.58	0.081	19.96	27.621	32.373	27.621	0.01	26.780	16.42	118.9
125	-0.953	34.382	-1.98	-0.957	315.3	87.57	0.079	20.61	27.651	32.396	27.651	0.23	26.815	16.69	123.8
150	0.138	34.584	-2.01	0.132	302.0	86.47	0.079	24.21	27.763	32.474	27.763	0.09	26.964	17.86	148.5
175	0.724	34.721	-2.04	0.716	296.4	86.27	0.079	22.15	27.839	32.533	27.839	0.02	27.084	18.81	173.3
200	1.120	34.816	-2.06	1.111	296.1	87.15	0.076	28.32	27.889	32.571	27.890	0.01	27.182	19.60	198.0
225	1.403	34.887	-2.09	1.392	297.2	88.17	0.074	25.16	27.927	32.601	27.927	0.05	27.264	20.29	222.7
250	1.234	34.911	-2.11	1.222	297.9	88.00	0.074	38.98	27.958	32.637	27.959	0.03	27.331	20.91	247.4
275	1.102	34.912	-2.12	1.089	299.3	88.12	0.075	94.26	27.968	32.650	27.969	0.04	27.389	21.48	272.1
287	1.109	34.914	-2.13	1.095	294.6	86.74	0.072	106.06	27.969	32.651	27.970	0.05	27.413	21.75	284.0

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
77	125	14 AUG 92	0645	77 6.55	-7 10.20	266		65

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	1372	-.547	30.199	-.547	24.251	30.229	399.4	.05	.02	.12	.64	2.34
10	1371	-.533	30.435	-.533	24.441	31.074	410.3	.16	.04	.16	.75	2.85
17	1370	-1.290	32.442	-1.290	26.089	32.374	374.7	3.11	.06	.19	.96	10.57
35	1369	-1.504	32.997	-1.505	26.545	33.059	345.8	6.17	.10	.18	.97	11.55
50	1368	-1.528	33.467	-1.529	26.927	33.919	328.4	7.69	.10	.17	.99	10.97
75	1367	-1.496	34.067	-1.498	27.414	34.040	324.6	8.73	.13	.15	.83	6.52
101	1366	-1.448	34.226	-1.451	27.542	34.223	320.4	9.79	.03	.12	.85	5.73
150	1365	.139	34.599	.133	27.775	34.609	295.1	11.40	.02	.13	.90	7.91
200	1364	.865	34.808	.856	27.901		291.6	12.28	.01	.13	.92	8.08
251	1363	.980	34.901	.968	27.968	34.934	297.1	12.74	.03	.13	.94	7.45

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	1372	.94	.09								
10	1371	2.99	.36								
17	1370	4.40	.44								
35	1369	.25	.46								
50	1368	.12	.24								
75	1367	.09	.17								
101	1366	.04	.12								
150	1365	.03	.11								
200	1364	.03	.04								
251	1363								2.600	1.852	7.80

NEWP 92 STA 77 CTD 125

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.568	30.179	-1.65	-0.568	361.6	98.26	0.109	367.08	24.235	29.005	24.235	0.09	24.235	0.00	0.0
2	-0.572	30.239	-1.65	-0.572	363.2	98.72	0.116	383.34	24.284	29.053	24.284	0.50	24.251	0.77	2.0
4	-0.571	30.378	-1.66	-0.571	367.1	99.90	0.124	431.06	24.396	29.164	24.396	0.20	24.302	1.51	4.0
6	-0.578	30.533	-1.67	-0.578	367.8	100.18	0.133	462.78	24.522	29.289	24.522	0.87	24.342	2.24	6.0
8	-0.576	30.548	-1.67	-0.576	368.4	100.36	0.169	492.13	24.534	29.301	24.534	0.12	24.390	2.95	7.9
10	-0.652	30.927	-1.70	-0.653	370.0	100.89	0.294	523.53	24.843	29.609	24.843	0.80	24.447	3.64	9.9
12	-0.626	30.990	-1.70	-0.626	370.8	101.22	0.354	577.12	24.893	29.657	24.893	0.13	24.522	4.28	11.9
14	-0.750	31.801	-1.75	-0.750	369.6	101.19	0.559	866.58	25.553	30.314	25.553	5.79	24.600	4.88	13.9
16	-0.976	32.163	-1.77	-0.976	372.6	101.66	1.004	700.64	25.854	30.619	25.854	0.31	24.747	5.35	15.9
18	-1.170	32.295	-1.78	-1.170	376.0	102.15	0.760	409.53	25.966	30.736	25.966	0.36	24.876	5.79	17.9
20	-1.314	32.406	-1.79	-1.315	375.3	101.66	0.363	179.66	26.061	30.834	26.061	0.89	24.988	6.21	19.8
22	-1.394	32.549	-1.80	-1.394	367.3	99.37	0.223	97.95	26.178	30.952	26.178	0.42	25.092	6.61	21.8
24	-1.403	32.599	-1.80	-1.404	359.0	97.15	0.140	85.35	26.220	30.994	26.220	0.22	25.185	7.00	23.8
26	-1.416	32.701	-1.81	-1.417	352.7	95.48	0.115	69.92	26.302	31.076	26.302	0.44	25.267	7.37	25.8
28	-1.426	32.773	-1.82	-1.426	350.3	94.86	0.112	65.69	26.361	31.134	26.361	0.28	25.344	7.73	27.8
30	-1.426	32.840	-1.82	-1.427	347.0	94.02	0.110	64.05	26.415	31.188	26.415	0.30	25.413	8.08	29.8
32	-1.477	32.896	-1.83	-1.478	345.0	93.37	0.110	60.27	26.462	31.236	26.462	0.33	25.478	8.42	31.7
34	-1.430	32.947	-1.83	-1.431	344.8	93.47	0.109	58.79	26.503	31.274	26.503	0.41	25.537	8.75	33.7
36	-1.475	33.006	-1.84	-1.475	341.3	92.47	0.106	56.93	26.551	31.324	26.552	0.27	25.592	9.07	35.7
38	-1.482	33.059	-1.84	-1.483	338.7	91.78	0.106	54.42	26.595	31.368	26.595	0.17	25.643	9.39	37.7
40	-1.525	33.112	-1.84	-1.526	337.7	91.43	0.101	48.13	26.639	31.412	26.639	0.34	25.692	9.69	39.7
45	-1.516	33.237	-1.86	-1.517	337.3	91.45	0.100	47.76	26.740	31.512	26.740	0.37	25.802	10.42	44.6
50	-1.495	33.397	-1.87	-1.496	336.3	91.34	0.094	39.50	26.869	31.639	26.869	0.21	25.904	11.08	49.6
55	-1.500	33.528	-1.88	-1.501	332.6	90.40	0.090	33.61	26.976	31.745	26.976	0.29	25.997	11.70	54.5
60	-1.433	33.693	-1.89	-1.435	327.8	89.38	0.090	32.58	27.108	31.874	27.108	0.20	26.085	12.25	59.5
65	-1.472	33.795	-1.90	-1.474	327.3	89.21	0.090	35.52	27.192	31.958	27.192	0.10	26.167	12.75	64.4
70	-1.431	33.903	-1.91	-1.432	327.7	89.51	0.112	35.89	27.278	32.042	27.278	0.19	26.244	13.21	69.4
75	-1.513	33.994	-1.92	-1.515	327.6	89.34	0.086	29.42	27.355	32.120	27.355	0.18	26.315	13.64	74.3
80	-1.482	34.053	-1.93	-1.484	327.0	89.30	0.086	28.17	27.403	32.166	27.403	0.17	26.382	14.03	79.3
85	-1.261	34.126	-1.94	-1.263	322.2	88.56	0.085	26.11	27.455	32.211	27.455	0.06	26.443	14.40	84.2
90	-1.544	34.141	-1.94	-1.546	322.7	88.03	0.084	24.94	27.476	32.241	27.476	0.06	26.499	14.76	89.2
95	-1.538	34.161	-1.95	-1.540	323.6	88.29	0.083	22.81	27.492	32.256	27.492	0.07	26.551	15.10	94.1
100	-1.496	34.190	-1.95	-1.499	323.1	88.28	0.082	21.64	27.514	32.277	27.514	0.10	26.599	15.44	99.1
105	-1.444	34.232	-1.96	-1.447	322.5	88.28	0.081	21.64	27.546	32.307	27.546	0.09	26.643	15.76	104.0
110	-1.425	34.265	-1.96	-1.428	321.3	88.00	0.083	22.89	27.572	32.333	27.572	0.16	26.685	16.07	109.0
115	-1.565	34.286	-1.97	-1.567	321.8	87.84	0.080	21.71	27.594	32.358	27.594	0.12	26.724	16.36	113.9
120	-1.572	34.310	-1.97	-1.575	322.6	88.04	0.081	21.35	27.614	32.378	27.614	0.05	26.761	16.65	118.9
125	-1.412	34.326	-1.98	-1.415	321.2	88.05	0.081	21.86	27.622	32.381	27.622	0.04	26.795	16.93	123.8
150	-0.017	34.573	-2.01	-0.022	301.7	86.04	0.082	25.31	27.762	32.479	27.763	-0.04	26.946	18.13	148.5
175	0.514	34.705	-2.04	0.507	295.8	85.63	0.083	28.10	27.839	32.539	27.840	0.11	27.067	19.10	173.3
200	0.864	34.803	-2.06	0.856	293.8	85.90	0.081	30.15	27.896	32.585	27.896	0.04	27.167	19.89	198.0
225	1.051	34.871	-2.08	1.040	294.1	86.44	0.081	36.04	27.939	32.623	27.939	0.06	27.251	20.56	222.7
250	0.971	34.896	-2.11	0.959	296.7	87.04	0.080	81.32	27.964	32.650	27.965	0.06	27.321	21.16	247.4
266	0.993	34.911	-2.12	0.981	290.0	85.14	0.081	118.49	27.974	32.659	27.975	0.05	27.360	21.51	263.2

NEWP 92 STA 78 CTD 126

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox%	Fluor	[SEM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.017	30.673	-1.68	-1.017	375.8	101.26	0.117	527.02	24.648	29.427	24.648	0.05	24.648	0.00	0.0
2	-1.017	30.677	-1.68	-1.017	375.9	101.28	0.124	527.48	24.651	29.430	24.651	0.08	24.649	0.69	2.0
4	-1.017	30.681	-1.68	-1.017	378.0	101.87	0.139	529.05	24.654	29.433	24.654	-0.04	24.652	1.38	4.0
6	-1.017	30.686	-1.68	-1.017	378.1	101.89	0.148	532.22	24.658	29.437	24.658	0.05	24.653	2.06	6.0
8	-1.017	30.715	-1.68	-1.017	377.8	101.83	0.189	532.27	24.682	29.461	24.682	0.24	24.656	2.75	7.9
10	-1.017	30.820	-1.69	-1.017	377.1	101.72	0.218	534.41	24.767	29.545	24.767	0.55	24.669	3.42	9.9
12	-1.017	30.892	-1.70	-1.017	374.9	101.19	0.273	555.15	24.826	29.603	24.826	0.68	24.690	4.08	11.9
14	-1.192	31.234	-1.72	-1.192	377.4	101.64	0.301	647.11	25.107	29.887	25.107	1.36	24.729	4.71	13.9
16	-1.354	31.620	-1.74	-1.355	380.7	102.37	0.624	773.48	25.424	30.205	25.424	1.39	24.796	5.27	15.9
18	-1.494	31.936	-1.76	-1.494	380.6	102.22	1.274	684.54	25.684	30.466	25.684	0.53	24.883	5.78	17.9
20	-1.548	32.025	-1.77	-1.549	375.8	100.85	0.697	371.78	25.757	30.540	25.757	0.35	24.967	6.26	19.8
22	-1.567	32.117	-1.77	-1.567	366.2	98.29	0.584	230.34	25.832	30.615	25.832	0.67	25.041	6.72	21.8
24	-1.630	32.216	-1.78	-1.631	360.7	96.71	0.185	64.84	25.914	30.698	25.914	0.34	25.111	7.17	23.8
26	-1.645	32.309	-1.79	-1.645	350.9	94.12	0.107	50.27	25.990	30.774	25.990	0.10	25.176	7.60	25.8
28	-1.649	32.318	-1.79	-1.650	347.8	93.28	0.105	47.47	25.997	30.781	25.997	0.08	25.235	8.03	27.8
30	-1.644	32.332	-1.79	-1.645	345.6	92.71	0.101	48.94	26.008	30.792	26.008	0.22	25.286	8.45	29.8
32	-1.617	32.384	-1.80	-1.618	347.2	93.25	0.116	49.83	26.050	30.832	26.050	0.28	25.332	8.87	31.7
34	-1.596	32.433	-1.80	-1.596	344.4	92.60	0.104	49.76	26.090	30.871	26.090	0.24	25.376	9.28	33.7
36	-1.626	32.511	-1.81	-1.626	344.2	92.51	0.107	47.25	26.153	30.935	26.153	0.26	25.417	9.68	35.7
38	-1.634	32.544	-1.81	-1.634	343.1	92.23	0.114	44.07	26.181	30.962	26.181	0.21	25.457	10.08	37.7
40	-1.640	32.611	-1.82	-1.641	342.0	91.96	0.098	38.10	26.235	31.016	26.235	0.31	25.494	10.46	39.7
45	-1.663	32.710	-1.83	-1.664	338.9	91.14	0.099	34.57	26.316	31.097	26.316	0.15	25.581	11.39	44.6
50	-1.643	32.810	-1.84	-1.643	336.4	90.58	0.094	29.71	26.397	31.176	26.397	0.20	25.659	12.28	49.6
55	-1.584	32.905	-1.84	-1.585	333.5	90.02	0.149	30.30	26.473	31.250	26.473	0.15	25.731	13.12	54.5
60	-1.584	33.035	-1.86	-1.585	331.5	89.57	0.101	28.17	26.578	31.354	26.578	0.41	25.796	13.93	59.5
65	-1.500	33.199	-1.87	-1.502	331.3	89.84	0.109	25.82	26.709	31.481	26.709	0.17	25.862	14.67	64.4
70	-1.481	33.353	-1.88	-1.483	325.6	88.44	0.092	27.73	26.833	31.603	26.833	0.24	25.927	15.36	69.4
75	-1.473	33.452	-1.89	-1.475	324.8	88.30	0.092	30.96	26.914	31.683	26.914	0.32	25.990	16.00	74.3
80	-1.360	33.631	-1.90	-1.361	321.5	87.79	0.089	27.73	27.055	31.819	27.055	0.11	26.052	16.58	79.3
85	-1.362	33.740	-1.91	-1.364	320.6	87.61	0.087	26.04	27.144	31.907	27.144	0.21	26.114	17.11	84.3
90	-1.364	33.826	-1.92	-1.366	318.5	87.09	0.087	24.72	27.214	31.976	27.214	0.20	26.173	17.60	89.2
95	-1.420	33.931	-1.93	-1.422	318.7	87.09	0.087	24.79	27.301	32.064	27.301	0.09	26.230	18.05	94.1
100	-1.445	34.030	-1.94	-1.447	319.1	87.19	0.085	24.50	27.382	32.145	27.382	0.14	26.286	18.46	99.1
105	-1.338	34.096	-1.95	-1.340	320.0	87.76	0.083	22.15	27.433	32.192	27.433	0.13	26.339	18.84	104.0
110	-1.316	34.158	-1.96	-1.319	319.2	87.62	0.082	22.89	27.482	32.240	27.482	0.03	26.390	19.20	109.0
115	-1.295	34.194	-1.96	-1.298	317.3	87.17	0.083	23.55	27.510	32.267	27.510	0.04	26.438	19.53	113.9
120	-1.277	34.224	-1.97	-1.280	316.7	87.07	0.082	21.49	27.535	32.291	27.535	0.22	26.483	19.86	118.9
125	-0.999	34.286	-1.98	-1.002	313.5	86.88	0.083	21.93	27.575	32.322	27.575	0.06	26.526	20.17	123.8
150	-0.224	34.506	-2.01	-0.229	302.2	85.66	0.084	22.08	27.719	32.442	27.719	0.10	26.714	21.48	148.6
175	0.587	34.678	-2.04	0.580	296.5	85.98	0.081	26.11	27.813	32.511	27.813	0.08	26.864	22.52	173.3
200	1.050	34.796	-2.06	1.041	295.7	86.86	0.082	30.96	27.878	32.562	27.878	0.12	26.987	23.36	198.0
225	1.285	34.864	-2.08	1.274	298.4	88.22	0.080	32.95	27.917	32.594	27.917	0.06	27.088	24.09	222.7
250	1.115	34.893	-2.10	1.103	300.5	88.48	0.078	52.12	27.951	32.633	27.952	0.05	27.173	24.73	247.4
273	1.052	34.896	-2.12	1.040	297.3	87.40	0.078	62.49	27.958	32.642	27.959	0.04	27.239	25.27	270.2

NEWP 92 STA 79 CTD 127

Press	Temp	Salnty	Frx.Pt	Theta	Oxygen	Ox4	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.954	31.100	-1.70	-0.954	359.7	97.40	0.184	710.78	24.992	29.765	24.992	0.08	24.991	0.00	0.0
2	-1.002	31.154	-1.71	-1.003	363.3	98.29	0.220	704.62	25.037	29.812	25.037	0.43	25.007	0.62	2.0
4	-1.017	31.179	-1.71	-1.017	364.6	98.63	0.311	702.86	25.058	29.833	25.058	0.00	25.032	1.23	4.0
6	-1.108	31.276	-1.71	-1.109	373.3	100.80	0.365	685.03	25.139	29.916	25.139	1.30	25.056	1.83	6.0
8	-1.289	31.492	-1.73	-1.289	379.0	102.00	0.508	659.78	25.319	30.099	25.319	0.59	25.108	2.39	7.9
10	-1.390	31.633	-1.74	-1.390	381.8	102.58	0.640	622.53	25.435	30.217	25.435	0.94	25.163	2.94	9.9
12	-1.484	31.925	-1.76	-1.484	381.6	102.50	0.835	493.28	25.674	30.457	25.674	1.22	25.229	3.45	11.9
14	-1.521	32.075	-1.77	-1.521	383.2	102.93	0.589	284.55	25.797	30.579	25.797	0.61	25.303	3.92	13.9
16	-1.513	32.220	-1.78	-1.514	376.8	101.36	0.158	76.11	25.914	30.695	25.915	0.41	25.374	4.37	15.9
18	-1.498	32.297	-1.78	-1.498	366.9	98.80	0.126	69.40	25.977	30.757	25.977	0.20	25.438	4.81	17.9
20	-1.494	32.332	-1.78	-1.494	359.2	96.77	0.138	70.37	26.005	30.784	26.005	0.07	25.494	5.23	19.8
22	-1.522	32.339	-1.79	-1.522	356.4	95.95	0.124	58.94	26.011	30.791	26.011	0.08	25.541	5.66	21.8
24	-1.516	32.352	-1.79	-1.516	355.8	95.79	0.119	66.50	26.021	30.801	26.021	0.05	25.580	6.08	23.8
26	-1.618	32.376	-1.79	-1.619	355.3	95.41	0.117	63.98	26.044	30.827	26.044	0.08	25.615	6.50	25.8
28	-1.646	32.382	-1.79	-1.646	354.7	95.18	0.113	56.79	26.049	30.833	26.049	0.07	25.646	6.91	27.8
30	-1.673	32.388	-1.80	-1.673	354.0	94.94	0.110	49.98	26.054	30.839	26.054	0.06	25.673	7.33	29.8
32	-1.693	32.388	-1.80	-1.694	351.1	94.10	0.108	50.94	26.055	30.840	26.055	0.06	25.697	7.74	31.7
34	-1.717	32.390	-1.80	-1.717	350.0	93.75	0.105	47.47	26.058	30.843	26.058	0.05	25.718	8.16	33.7
36	-1.731	32.393	-1.80	-1.731	349.3	93.53	0.114	47.76	26.060	30.846	26.060	0.06	25.737	8.57	35.7
38	-1.731	32.397	-1.80	-1.732	349.0	93.45	0.112	49.02	26.063	30.849	26.063	0.07	25.754	8.98	37.7
40	-1.720	32.406	-1.80	-1.721	348.6	93.38	0.111	48.72	26.070	30.856	26.070	0.09	25.770	9.39	39.7
45	-1.680	32.450	-1.81	-1.681	345.5	92.69	0.109	41.12	26.105	30.889	26.105	0.16	25.805	10.42	44.6
50	-1.640	32.574	-1.82	-1.641	344.5	92.59	0.098	30.01	26.205	30.986	26.205	0.28	25.840	11.40	49.6
55	-1.607	32.700	-1.83	-1.608	340.0	91.57	0.100	31.18	26.307	31.086	26.307	0.11	25.880	12.33	54.5
60	-1.588	32.818	-1.84	-1.590	338.2	91.20	0.095	33.76	26.402	31.180	26.402	0.38	25.918	13.22	59.5
65	-1.556	32.932	-1.85	-1.558	335.4	90.62	0.096	31.48	26.494	31.270	26.494	0.14	25.959	14.07	64.4
70	-1.533	33.020	-1.86	-1.535	333.4	90.19	0.096	30.89	26.564	31.339	26.564	0.27	26.000	14.87	69.4
75	-1.638	33.144	-1.87	-1.639	335.0	90.45	0.095	27.14	26.668	31.444	26.668	0.21	26.041	15.63	74.3
80	-1.494	33.342	-1.89	-1.495	331.2	89.91	0.095	29.20	26.825	31.596	26.825	0.12	26.085	16.33	79.3
85	-1.425	33.522	-1.90	-1.427	327.7	89.25	0.093	25.01	26.969	31.736	26.969	0.17	26.133	16.95	84.2
90	-1.193	33.668	-1.91	-1.195	323.0	88.62	0.093	27.36	27.080	31.839	27.080	0.15	26.184	17.51	89.2
95	-1.414	33.796	-1.92	-1.416	321.9	87.89	0.093	20.47	27.191	31.955	27.191	0.45	26.233	18.03	94.1
100	-1.229	33.965	-1.94	-1.231	318.3	87.45	0.091	20.39	27.323	32.080	27.323	0.31	26.284	18.48	99.1
105	-1.295	34.030	-1.95	-1.298	317.6	87.16	0.089	19.74	27.377	32.136	27.378	0.15	26.335	18.89	104.0
110	-1.340	34.078	-1.95	-1.342	317.9	87.17	0.092	20.25	27.418	32.177	27.418	0.10	26.383	19.27	109.0
115	-1.538	34.117	-1.96	-1.540	320.7	87.48	0.092	20.98	27.456	32.221	27.456	0.19	26.429	19.64	113.9
120	-1.502	34.147	-1.96	-1.505	321.8	87.89	0.091	21.57	27.479	32.243	27.479	0.13	26.472	19.99	118.9
125	-1.524	34.159	-1.97	-1.527	322.4	88.00	0.089	19.15	27.490	32.254	27.490	0.02	26.513	20.33	123.8
150	-0.509	34.381	-2.00	-0.514	309.0	86.84	0.091	20.76	27.632	32.363	27.632	0.31	26.690	21.83	148.6
175	0.198	34.600	-2.03	0.191	300.4	86.16	0.089	20.47	27.773	32.483	27.773	0.10	26.837	22.99	173.3
200	1.329	34.809	-2.06	1.319	295.1	87.34	0.087	23.47	27.869	32.546	27.870	0.04	26.961	23.88	198.0
225	1.856	34.903	-2.09	1.844	296.5	88.99	0.085	24.06	27.905	32.567	27.906	0.03	27.064	24.63	222.7
250	1.956	34.933	-2.11	1.943	301.3	90.68	0.083	23.84	27.922	32.581	27.923	0.06	27.149	25.31	247.5
275	1.667	34.916	-2.13	1.653	300.0	89.62	0.084	21.27	27.930	32.597	27.931	0.08	27.219	25.97	272.2
300	1.369	34.921	-2.14	1.354	299.1	88.67	0.083	21.57	27.956	32.631	27.958	0.06	27.279	26.59	296.9
325	1.205	34.910	-2.16	1.189	299.5	88.41	0.083	46.14	27.959	32.638	27.960	0.04	27.331	27.18	321.6
350	0.914	34.888	-2.18	0.898	299.6	87.77	0.082	23.33	27.961	32.648	27.962	0.03	27.376	27.76	346.3
375	0.747	34.880	-2.20	0.730	299.4	87.33	0.082	16.22	27.965	32.658	27.966	0.02	27.415	28.33	371.0
400	0.705	34.889	-2.22	0.687	297.3	86.63	0.081	15.34	27.975	32.668	27.976	0.05	27.450	28.88	395.7
500	0.474	34.888	-2.29	0.452	298.7	86.49	0.078	15.86	27.989	32.688	27.990	0.05	27.556	30.96	494.4
600	0.346	34.891	-2.37	0.320	297.8	85.95	0.076	16.22	27.999	32.702	28.000	0.04	27.629	32.93	593.1
697	0.125	34.897	-2.44	0.095	297.3	85.30	0.075	16.93	28.016	32.725	28.018	0.04	27.681	34.75	688.8

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
80	128	14 AUG 92	1241	76 55.15	-6 3.91	1007		66

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	1408	-.990	31.275	-.990	25.135	31.265	420.7				.76	
10	1407	-1.145	31.320	-1.146	25.175	31.957	382.9	1.85	.07	.12	1.02	7.24
51	1406	-1.643	32.626	-1.643	26.247	32.720	347.7	5.68	.04	.11	1.10	11.66
101	1405	-.792	34.025	-.795	27.355	34.029		9.71	.03	.05	.93	9.21
200	1404	1.368	34.809	1.359	27.867	34.820	300.7	11.39	.01	.04	.88	6.10
251	1403	1.930	34.934	1.917	27.926	34.927	306.2	11.38	.01	.09	.88	5.27
301	1402	1.294	34.903	1.279	27.948	34.904	300.2	11.72	0.00	.11	.93	6.16
401	1401	.667	34.890	.649	27.980	34.887	297.1	11.95	0.00	.04	.94	6.44
503	1400	.394	34.887	.372	27.994	34.883	295.1	12.08	0.00	.02	.93	6.77
699	1399	.163	34.894	.132	28.014	34.891	299.3	12.04	0.00	.04	.95	6.53
898	1398	-.099	34.916	-.138	28.046	34.915	300.7	11.98	-.01	.04	.96	6.79

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	1408	4.23	.23			1990.8	2157.6				
10	1407	1.94	.23								
51	1406	.09	.16			2133.2	2237.9		7.500	1.872	10.40
101	1405	.05	.15			2137.4	2259.8				
200	1404	.04	.09			2139.3	2282.2				
251	1403					2138.3	2288.5		2.600	1.840	1.00
301	1402					2142.6	2288.7				
401	1401					2144.5	2286.3				
503	1400					2145.0	2286.0		1.890	1.837	3.60
699	1399					2146.9	2285.6				
898	1398					2148.1	2288.5		1.450	1.853	4.50

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Press	Temp	Salnty	Frr.Pt	Theta	Oxygen	Ox†	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-0.953	31.096	-1.70	-0.953	367.7	99.58	0.298	820.12	24.989	29.762	24.989	0.08	24.989	0.00	0.0
2	-1.002	31.171	-1.71	-1.002	368.7	99.76	0.308	773.19	25.051	29.825	25.051	0.53	25.010	0.62	2.0
4	-1.236	31.521	-1.73	-1.236	372.7	100.48	0.445	630.22	25.341	30.119	25.341	0.37	25.089	1.20	4.0
6	-1.227	31.526	-1.73	-1.227	372.8	100.55	0.427	569.63	25.345	30.123	25.345	2.70	25.153	1.77	6.0
8	-1.238	31.527	-1.73	-1.238	373.8	100.78	0.416	631.18	25.346	30.124	25.346	-0.30	25.217	2.31	7.9
10	-1.361	31.756	-1.75	-1.361	373.2	100.45	0.400	484.00	25.534	30.314	25.534	0.23	25.264	2.84	9.9
12	-1.425	31.925	-1.76	-1.425	373.0	100.35	0.359	363.97	25.673	30.453	25.673	0.68	25.319	3.34	11.9
14	-1.396	31.843	-1.75	-1.397	368.0	99.02	0.367	418.29	25.605	30.386	25.605	0.03	25.363	3.84	13.9
16	-1.412	31.882	-1.76	-1.413	364.3	98.01	0.325	297.53	25.638	30.419	25.638	0.84	25.393	4.34	15.9
18	-1.521	32.121	-1.77	-1.521	363.7	97.75	0.197	106.38	25.834	30.616	25.834	0.44	25.435	4.81	17.9
20	-1.523	32.156	-1.77	-1.524	359.4	96.61	0.141	80.65	25.863	30.644	25.863	0.14	25.476	5.27	19.8
22	-1.527	32.176	-1.78	-1.527	358.0	96.22	0.144	67.47	25.879	30.660	25.879	0.14	25.512	5.72	21.8
24	-1.526	32.197	-1.78	-1.527	353.5	95.05	0.106	53.23	25.896	30.678	25.896	0.17	25.544	6.16	23.8
26	-1.572	32.251	-1.78	-1.572	351.7	94.47	0.104	42.59	25.941	30.723	25.941	0.08	25.573	6.60	25.8
28	-1.583	32.258	-1.79	-1.584	351.2	94.33	0.103	39.28	25.947	30.730	25.947	0.08	25.599	7.04	27.8
30	-1.593	32.281	-1.79	-1.593	350.5	94.11	0.105	34.57	25.966	30.749	25.966	0.11	25.623	7.47	29.8
32	-1.622	32.303	-1.79	-1.623	349.3	93.75	0.100	32.95	25.984	30.768	25.984	0.18	25.645	7.90	31.7
34	-1.654	32.336	-1.80	-1.655	347.8	93.28	0.097	31.77	26.012	30.796	26.012	0.11	25.666	8.33	33.7
36	-1.690	32.361	-1.80	-1.691	348.2	93.31	0.095	33.17	26.033	30.818	26.033	0.12	25.685	8.75	35.7
38	-1.715	32.376	-1.80	-1.716	345.8	92.61	0.099	39.06	26.046	30.832	26.046	0.11	25.704	9.17	37.7
40	-1.719	32.398	-1.80	-1.720	344.5	92.28	0.101	41.12	26.064	30.850	26.064	0.21	25.721	9.58	39.7
45	-1.670	32.493	-1.81	-1.670	343.1	92.10	0.127	33.31	26.140	30.923	26.140	0.25	25.764	10.59	44.6
50	-1.641	32.620	-1.82	-1.642	340.9	91.66	0.094	32.58	26.243	31.024	26.243	0.19	25.807	11.56	49.6
55	-1.637	32.737	-1.83	-1.638	337.2	90.77	0.095	34.12	26.337	31.117	26.337	0.15	25.852	12.47	54.5
60	-1.589	32.887	-1.85	-1.590	337.8	91.16	0.098	36.92	26.458	31.235	26.458	0.25	25.898	13.34	59.5
65	-1.624	33.028	-1.86	-1.625	335.7	90.60	0.094	32.58	26.574	31.351	26.574	0.34	25.946	14.15	64.4
70	-1.488	33.176	-1.87	-1.490	333.3	90.39	0.094	36.18	26.690	31.462	26.690	0.27	25.995	14.90	69.4
75	-1.399	33.404	-1.89	-1.400	330.2	89.92	0.091	30.82	26.872	31.639	26.872	0.32	26.047	15.59	74.3
80	-1.673	33.562	-1.90	-1.675	329.8	89.25	0.092	24.21	27.009	31.783	27.009	0.25	26.104	16.18	79.3
85	-1.578	33.666	-1.91	-1.580	330.0	89.62	0.091	24.79	27.091	31.861	27.091	0.24	26.160	16.74	84.2
90	-1.521	33.763	-1.92	-1.523	330.9	90.06	0.090	24.87	27.168	31.935	27.168	0.11	26.214	17.25	89.2
95	-1.178	33.938	-1.93	-1.180	324.4	89.22	0.089	25.82	27.299	32.055	27.299	0.18	26.267	17.72	94.1
100	-1.317	33.986	-1.94	-1.319	324.3	88.90	0.096	22.74	27.342	32.102	27.343	0.24	26.319	18.15	99.1
105	-0.847	34.096	-1.95	-0.849	318.7	88.56	0.089	23.91	27.415	32.159	27.415	0.33	26.369	18.54	104.0
110	-0.824	34.138	-1.96	-0.827	313.4	87.17	0.088	25.09	27.448	32.191	27.448	0.18	26.417	18.91	109.0
115	-1.272	34.140	-1.96	-1.274	312.5	85.89	0.089	23.11	27.466	32.223	27.466	-0.08	26.463	19.27	113.9
120	-0.966	34.257	-1.97	-0.970	310.9	86.21	0.088	20.10	27.550	32.296	27.550	0.06	26.507	19.59	118.9
125	-0.980	34.290	-1.98	-0.983	312.1	86.54	0.087	21.27	27.577	32.324	27.578	0.06	26.549	19.90	123.8
150	-0.114	34.527	-2.01	-0.119	303.4	86.28	0.087	26.26	27.730	32.449	27.730	0.07	26.733	21.20	148.6
175	0.483	34.648	-2.03	0.476	300.7	86.93	0.088	22.81	27.795	32.496	27.795	0.07	26.880	22.25	173.3
200	1.005	34.774	-2.06	0.996	297.3	87.22	0.085	25.31	27.864	32.550	27.864	0.03	27.000	23.13	198.0
225	1.351	34.851	-2.08	1.340	296.2	87.74	0.084	29.79	27.902	32.577	27.903	0.07	27.098	23.88	222.7
250	1.678	34.909	-2.11	1.665	298.6	89.22	0.084	23.77	27.924	32.591	27.925	0.03	27.179	24.57	247.4
275	1.131	34.865	-2.12	1.118	301.1	88.68	0.082	19.22	27.928	32.610	27.929	0.01	27.248	25.22	272.2
300	1.428	34.925	-2.14	1.413	297.4	88.31	0.082	20.32	27.955	32.628	27.956	0.04	27.306	25.82	296.9
325	1.073	34.904	-2.16	1.057	298.3	87.75	0.082	22.30	27.964	32.647	27.965	0.02	27.356	26.40	321.6
350	0.813	34.889	-2.18	0.797	298.1	87.08	0.080	18.49	27.969	32.659	27.970	0.04	27.399	26.97	346.3
375	0.695	34.888	-2.20	0.678	296.3	86.31	0.081	29.42	27.975	32.669	27.976	0.05	27.438	27.51	371.0
400	0.598	34.886	-2.22	0.580	295.5	85.85	0.079	19.44	27.979	32.676	27.980	0.04	27.471	28.05	395.7
500	0.380	34.888	-2.29	0.358	297.1	85.83	0.078	16.95	27.994	32.697	27.996	0.05	27.574	30.08	494.4
600	0.274	34.891	-2.37	0.248	299.6	86.30	0.077	14.17	28.003	32.708	28.005	0.04	27.645	32.02	593.1
700	0.144	34.894	-2.44	0.113	299.6	86.00	0.076	13.73	28.013	32.722	28.015	0.04	27.697	33.85	691.8
800	0.026	34.897	-2.52	-0.008	301.2	86.21	0.072	13.22	28.022	32.734	28.024	0.04	27.737	35.60	790.4
900	-0.104	34.917	-2.60	-0.143	302.6	86.32	0.071	13.51	28.045	32.760	28.047	0.04	27.770	37.16	889.0
1000	-0.159	34.918	-2.67	-0.202	302.6	86.19	0.071	15.64	28.049	32.766	28.051	0.05	27.798	38.63	987.5
1007	-0.219	34.923	-2.68	-0.262	303.4	86.28	0.071	16.07	28.055	32.774	28.057	0.06	27.800	38.73	994.4

Station	CTD No.	Date UTC	Time UTC	Latitude North	Longitude West	Depth Meters	Secchi Meters	Ice Cover %
81	129	14 AUG 92	1504	76 51.00	-5 33.69	1480		50

Pres dbar	BNL_ID	CTD_Tem C	CTD_Sal P78	Theta C	Sig-Th	Bot_Sal P78	Bot_DO2 umol/kg	NO3 umol/kg	NO2 umol/kg	NH4 umol/kg	PO4 umol/kg	SiO4 umol/kg
2	1420	-1.468	31.472	-1.468	25.306		383.9	1.31	.04	.12	.94	10.20
10	1419	-1.535	31.681	-1.535	25.477		366.7	3.13	.05	.16	1.03	11.93
100	1418	-.608	34.400	-.611	27.651		293.1	10.34	.02	-.04	.89	8.29
200	1417	2.174	34.958	2.163	27.925		306.5	11.42	.02	-.09	.83	5.17
250	1416	1.547	34.927	1.534	27.949	34.934	302.9	11.64	.02	-.06	.85	5.62
301	1415	1.091	34.904	1.077	27.963		300.2	11.75	.01	-.08	.87	5.95
501	1414	.350	34.888	.328	27.998		295.5	11.96	.01	-.16	.88	6.65
701	1413	.183	34.894	.152	28.012		296.1	12.10	.01	-.13	.91	6.92
1000	1412	-.020	34.916	-.064	28.042		301.2	11.97	.01	-.20	.91	6.59
1201	1411	-.273	34.925	-.326	28.063		303.1	12.16	.02	-.21	.92	6.95
1298	1410	-.365	34.931	-.423	28.072		301.9	12.41	.01	-.27	.97	7.42
1461	1409	-.646	34.941	-.710	28.094	34.932	300.2	13.34	.01	-.30	1.00	9.38

Pres dbar	BNL_ID	Chl ug/kg	Phaeo ug/kg	POC umol/kg	PON umol/kg	TCO2 umol/kg	Alkalinity umol/kg	Bacteria cells/ml	Tritium TU	Helium nmol/kg	Del_He3 %
2	1420	2.94	.36					41100			
10	1419	1.94	.36					55100			
100	1418	.02	.08					13700			
200	1417	.02	.09					47800			
250	1416							32600			
301	1415							15100			
501	1414							24100			
701	1413							8830			
1000	1412							7750			
1201	1411							6130			
1298	1410							4870			
1461	1409							4330			

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Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Ox%	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.536	31.492	-1.72	-1.536	363.2	97.08	0.209	296.08	25.324	30.112	25.324	0.02	25.324	0.00	0.0
2	-1.494	31.485	-1.72	-1.494	362.0	96.87	0.231	296.88	25.317	30.104	25.317	0.06	25.320	0.56	2.0
4	-1.384	31.465	-1.72	-1.384	359.6	96.52	0.296	287.73	25.299	30.082	25.299	-0.29	25.317	1.12	4.0
6	-1.304	31.458	-1.73	-1.305	356.4	95.86	0.320	299.98	25.291	30.072	25.291	-0.41	25.307	1.68	6.0
8	-1.374	31.469	-1.73	-1.374	355.6	95.48	0.315	287.49	25.302	30.085	25.302	-0.07	25.306	2.24	7.9
10	-1.513	31.604	-1.74	-1.513	353.4	94.60	0.325	239.88	25.415	30.201	25.415	1.61	25.309	2.80	9.9
12	-1.544	31.948	-1.76	-1.544	337.7	90.58	0.204	145.97	25.694	30.478	25.694	1.02	25.354	3.30	11.9
14	-1.590	32.473	-1.79	-1.590	333.1	89.60	0.122	76.94	26.122	30.903	26.122	0.54	25.436	3.74	13.9
16	-1.596	32.514	-1.79	-1.596	331.5	89.18	0.119	58.49	26.155	30.936	26.155	0.10	25.525	4.14	15.9
18	-1.605	32.600	-1.80	-1.605	331.1	89.11	0.115	54.49	26.225	31.005	26.225	0.75	25.598	4.53	17.9
20	-1.609	32.670	-1.80	-1.610	329.0	88.58	0.106	47.76	26.282	31.062	26.282	0.25	25.665	4.90	19.8
22	-1.610	32.762	-1.81	-1.610	328.3	88.44	0.102	43.33	26.357	31.136	26.357	0.45	25.725	5.26	21.8
24	-1.611	32.818	-1.82	-1.611	328.4	88.52	0.100	38.47	26.403	31.181	26.403	0.49	25.779	5.61	23.8
26	-1.611	32.869	-1.82	-1.611	329.1	88.74	0.100	35.60	26.444	31.222	26.444	0.16	25.829	5.96	25.8
28	-1.599	32.982	-1.83	-1.599	328.0	88.55	0.095	33.68	26.535	31.312	26.535	0.45	25.875	6.29	27.8
30	-1.580	33.060	-1.83	-1.581	325.9	88.08	0.094	30.59	26.599	31.374	26.599	0.03	25.921	6.60	29.7
32	-1.552	33.068	-1.84	-1.552	324.8	87.86	0.091	27.44	26.604	31.378	26.604	0.98	25.962	6.92	31.7
34	-1.530	33.141	-1.84	-1.530	322.9	87.45	0.089	24.72	26.663	31.436	26.663	0.36	26.002	7.22	33.7
36	-1.506	33.220	-1.85	-1.507	322.3	87.37	0.093	28.83	26.727	31.498	26.727	0.95	26.040	7.51	35.7
38	-1.462	33.312	-1.85	-1.463	319.9	86.89	0.092	32.29	26.800	31.570	26.800	-0.01	26.080	7.78	37.7
40	-1.313	33.425	-1.86	-1.314	318.3	86.90	0.086	28.47	26.887	31.651	26.887	0.63	26.117	8.04	39.7
45	-1.261	33.579	-1.88	-1.262	319.9	87.57	0.084	28.02	27.011	31.772	27.011	0.28	26.207	8.65	44.6
50	-1.245	33.736	-1.89	-1.247	324.0	88.82	0.084	26.33	27.138	31.897	27.138	0.42	26.294	9.19	49.6
55	-1.308	33.905	-1.90	-1.310	323.0	88.52	0.088	24.72	27.276	32.036	27.276	0.25	26.380	9.66	54.5
60	-1.303	33.979	-1.91	-1.304	321.2	88.10	0.095	47.39	27.336	32.095	27.337	0.30	26.458	10.08	59.5
65	-1.435	34.065	-1.92	-1.437	319.7	87.41	0.095	48.43	27.411	32.173	27.411	0.18	26.529	10.48	64.4
70	-1.412	34.126	-1.92	-1.413	318.0	87.06	0.097	40.46	27.459	32.220	27.459	0.15	26.593	10.85	69.4
75	-1.414	34.170	-1.93	-1.416	315.3	86.33	0.086	27.66	27.495	32.256	27.495	0.23	26.653	11.19	74.3
80	-1.423	34.248	-1.94	-1.425	312.6	85.63	0.080	16.15	27.559	32.319	27.559	0.39	26.707	11.52	79.2
85	-0.845	34.214	-1.94	-0.848	303.3	84.37	0.080	15.49	27.511	32.254	27.511	-0.37	26.756	11.83	84.2
90	-0.632	34.335	-1.95	-0.634	301.2	84.35	0.082	18.86	27.599	32.335	27.600	0.08	26.802	12.13	89.1
95	-0.741	34.356	-1.96	-0.744	299.0	83.49	0.081	18.49	27.621	32.360	27.622	-0.04	26.845	12.41	94.1
100	-0.591	34.389	-1.96	-0.594	296.8	83.23	0.081	21.49	27.642	32.376	27.642	0.05	26.884	12.68	99.0
105	-0.479	34.467	-1.97	-0.483	302.5	85.15	0.082	13.95	27.700	32.430	27.700	0.14	26.922	12.93	104.0
110	-0.308	34.513	-1.98	-0.311	301.8	85.36	0.081	13.66	27.729	32.454	27.729	0.14	26.958	13.16	108.9
115	-0.175	34.531	-1.98	-0.179	301.7	85.65	0.081	14.10	27.737	32.458	27.737	0.16	26.992	13.38	113.9
120	0.104	34.570	-1.99	0.099	299.8	85.76	0.081	19.44	27.754	32.466	27.754	0.16	27.024	13.60	118.8
125	0.171	34.580	-1.99	0.166	301.1	86.29	0.081	23.25	27.758	32.469	27.758	-0.09	27.054	13.80	123.8
150	1.788	34.835	-2.03	1.780	294.6	88.22	0.083	27.14	27.856	32.521	27.857	0.16	27.183	14.69	148.5
175	2.722	35.000	-2.05	2.712	295.4	90.69	0.078	23.03	27.910	32.549	27.911	0.05	27.283	15.45	173.2
200	2.182	34.962	-2.07	2.171	290.1	87.85	0.078	21.27	27.926	32.579	27.927	0.07	27.363	16.12	197.9
225	2.201	34.987	-2.09	2.188	291.7	88.38	0.077	20.69	27.945	32.597	27.946	-0.02	27.426	16.76	222.7
250	1.535	34.919	-2.11	1.522	291.0	86.64	0.076	17.17	27.943	32.613	27.944	0.08	27.478	17.37	247.4
275	1.036	34.898	-2.12	1.023	294.4	86.51	0.077	14.68	27.962	32.646	27.962	0.16	27.522	17.95	272.1
300	1.089	34.902	-2.14	1.075	291.3	85.74	0.077	13.15	27.961	32.643	27.962	0.05	27.558	18.53	296.8
325	0.744	34.888	-2.16	0.729	295.8	86.28	0.077	11.91	27.973	32.665	27.974	0.05	27.590	19.08	321.5
350	0.568	34.884	-2.18	0.552	296.2	85.97	0.076	10.59	27.980	32.677	27.981	0.11	27.617	19.62	346.2
375	0.488	34.878	-2.20	0.472	296.4	85.85	0.074	9.72	27.980	32.679	27.981	0.05	27.641	20.16	370.9
400	0.459	34.882	-2.22	0.442	297.1	86.00	0.076	9.72	27.985	32.685	27.986	0.03	27.663	20.69	395.6
500	0.348	34.890	-2.29	0.327	292.6	84.45	0.074	10.15	27.998	32.701	27.999	0.06	27.728	22.69	494.3
600	0.233	34.892	-2.37	0.207	300.8	86.55	0.073	10.96	28.006	32.713	28.008	0.04	27.774	24.58	593.1
700	0.183	34.895	-2.44	0.152	299.8	86.15	0.073	11.47	28.011	32.719	28.013	0.04	27.808	26.41	691.7
800	0.142	34.896	-2.52	0.107	300.5	86.28	0.072	12.27	28.014	32.723	28.017	0.04	27.833	28.21	790.3
900	0.091	34.898	-2.59	0.051	302.4	86.69	0.072	12.49	28.019	32.729	28.021	0.05	27.854	29.96	888.9
1000	-0.019	34.914	-2.67	-0.063	299.4	85.59	0.071	13.08	28.038	32.751	28.041	0.06	27.870	31.66	987.4
1100	-0.187	34.922	-2.75	-0.235	304.8	86.77	0.069	14.61	28.053	32.771	28.056	0.05	27.886	33.14	1085.9
1200	-0.274	34.926	-2.82	-0.327	302.1	85.81	0.069	15.34	28.061	32.781	28.063	0.04	27.900	34.50	1184.3
1300	-0.371	34.932	-2.90	-0.429	305.9	86.64	0.069	16.22	28.070	32.793	28.073	0.06	27.913	35.78	1282.7
1400	-0.488	34.940	-2.97	-0.550	305.5	86.29	0.067	19.08	28.083	32.810	28.086	0.05	27.925	36.97	1381.0
1480	-0.644	34.939	-3.03	-0.709	305.6	85.95	0.064	30.74	28.089	32.820	28.092	0.04	27.934	37.81	1459.7

NEWP 92 STA 81 CTD 130

Press	Temp	Salnty	Frz.Pt	Theta	Oxygen	Oxt	Fluor	[SPM]	Sig-0	Sig-1	Sig-Th	B-V	Int.Den	St.Ht	Depth
0	-1.530	31.616	-1.73	-1.530	352.8	94.42	0.304	243.17	25.424	30.211	25.424	0.05	25.424	0.00	0.0
2	-1.530	31.628	-1.73	-1.530	351.2	94.01	0.303	238.86	25.434	30.220	25.434	0.17	25.427	0.54	2.0
4	-1.527	31.655	-1.73	-1.527	351.7	94.15	0.314	235.27	25.456	30.242	25.456	0.29	25.437	1.07	4.0
6	-1.532	31.698	-1.74	-1.533	346.6	92.80	0.310	224.19	25.491	30.277	25.491	0.03	25.453	1.59	6.0
8	-1.527	31.706	-1.74	-1.527	344.3	92.20	0.312	242.40	25.497	30.283	25.497	0.34	25.463	2.12	7.9
10	-1.544	31.720	-1.74	-1.544	339.2	90.83	0.310	201.44	25.509	30.295	25.509	0.14	25.472	2.64	9.9
12	-1.550	31.816	-1.75	-1.550	335.4	89.86	0.299	189.86	25.587	30.373	25.587	1.31	25.482	3.15	11.9
14	-1.569	32.138	-1.77	-1.570	334.1	89.67	0.310	158.02	25.849	30.632	25.849	0.83	25.519	3.63	13.9
16	-1.586	32.366	-1.78	-1.587	333.6	89.65	0.270	155.81	26.035	30.816	26.035	0.38	25.573	4.06	15.9
18	-1.610	32.550	-1.80	-1.611	331.6	89.18	0.162	125.35	26.185	30.966	26.185	1.19	25.629	4.47	17.9
20	-1.620	32.638	-1.80	-1.621	331.2	89.10	0.130	74.54	26.257	31.037	26.257	0.33	25.689	4.85	19.8
22	-1.635	32.808	-1.81	-1.635	331.3	89.23	0.108	56.13	26.395	31.174	26.395	0.63	25.747	5.21	21.8
24	-1.640	32.913	-1.82	-1.640	331.6	89.37	0.105	36.33	26.481	31.259	26.481	-0.27	25.808	5.55	23.8
26	-1.595	33.587	-1.86	-1.596	327.9	88.93	0.102	28.54	27.027	31.798	27.027	0.47	25.878	5.83	25.8
28	-1.589	33.622	-1.86	-1.589	327.0	88.74	0.102	29.27	27.055	31.826	27.055	0.18	25.962	6.05	27.8
30	-1.583	33.658	-1.87	-1.583	326.5	88.63	0.103	29.71	27.084	31.854	27.084	0.18	26.035	6.27	29.7
32	-1.577	33.693	-1.87	-1.577	326.0	88.54	0.103	30.01	27.112	31.882	27.112	0.18	26.102	6.48	31.7
34	-1.570	33.728	-1.88	-1.571	325.2	88.36	0.103	30.74	27.141	31.910	27.141	0.18	26.162	6.69	33.7
36	-1.564	33.732	-1.88	-1.564	326.5	88.74	0.101	30.81	27.144	31.913	27.144	-0.21	26.217	6.89	35.7
38	-1.536	33.577	-1.87	-1.537	327.0	88.82	0.098	24.72	27.017	31.787	27.017	0.09	26.261	7.11	37.7
40	-1.649	33.760	-1.88	-1.649	329.0	89.22	0.098	24.43	27.169	31.940	27.169	1.10	26.303	7.32	39.6
45	-1.650	33.587	-1.88	-1.651	329.5	89.23	0.098	25.38	27.028	31.801	27.028	-0.02	26.390	7.86	44.6
50	-1.390	33.730	-1.89	-1.391	326.0	89.01	0.099	31.11	27.137	31.901	27.137	0.40	26.459	8.40	49.5
55	-1.380	33.970	-1.90	-1.381	319.8	87.52	0.106	49.17	27.331	32.093	27.331	0.13	26.535	8.83	54.5
60	-1.428	34.019	-1.91	-1.429	317.9	86.91	0.105	47.69	27.373	32.135	27.373	0.13	26.603	9.24	59.4
65	-1.280	34.092	-1.92	-1.282	314.6	86.41	0.104	40.31	27.427	32.185	27.427	0.99	26.663	9.63	64.4
70	-1.017	34.125	-1.92	-1.019	308.5	85.36	0.095	28.24	27.444	32.194	27.445	0.36	26.716	10.01	69.3
75	-1.374	34.172	-1.93	-1.375	310.2	85.03	0.093	19.00	27.495	32.255	27.495	-0.01	26.768	10.35	74.3
80	-1.243	34.206	-1.94	-1.245	307.0	84.49	0.093	15.49	27.519	32.274	27.519	-0.59	26.814	10.69	79.2
85	-0.620	34.297	-1.95	-0.623	302.6	84.73	0.090	24.35	27.568	32.304	27.568	0.94	26.855	11.02	84.2
90	-0.507	34.325	-1.95	-0.510	301.2	84.61	0.093	24.06	27.586	32.318	27.586	0.25	26.895	11.32	89.1
95	-0.587	34.373	-1.96	-0.590	302.7	84.90	0.092	20.25	27.628	32.362	27.628	0.35	26.932	11.61	94.1
100	-0.507	34.442	-1.97	-0.510	302.4	85.02	0.092	15.49	27.681	32.412	27.681	-0.12	26.968	11.87	99.0
105	-0.411	34.496	-1.97	-0.414	301.7	85.09	0.091	15.34	27.720	32.448	27.720	0.28	27.003	12.11	104.0
110	-0.303	34.520	-1.98	-0.307	302.4	85.55	0.092	15.27	27.734	32.458	27.734	0.04	27.036	12.34	108.9
115	-0.154	34.613	-1.99	-0.158	301.9	85.80	0.093	14.98	27.802	32.521	27.802	0.44	27.067	12.56	113.9
120	0.185	34.597	-1.99	0.180	299.2	85.79	0.091	22.45	27.771	32.481	27.771	0.07	27.096	12.77	118.8
125	0.404	34.633	-2.00	0.399	301.3	86.91	0.090	26.26	27.788	32.491	27.788	0.39	27.123	12.97	123.8
150	1.283	34.762	-2.02	1.276	298.3	88.13	0.090	21.05	27.835	32.514	27.836	-0.16	27.241	13.86	148.5
175	2.485	34.957	-2.05	2.475	296.2	90.37	0.087	21.86	27.897	32.542	27.898	-0.06	27.333	14.61	173.2
200	2.284	34.978	-2.07	2.273	298.2	90.53	0.086	22.59	27.931	32.581	27.932	0.04	27.407	15.27	197.9
225	2.231	34.988	-2.09	2.218	295.6	89.64	0.086	20.32	27.944	32.595	27.945	0.05	27.466	15.90	222.7
250	1.507	34.938	-2.11	1.495	298.3	88.76	0.087	17.47	27.960	32.631	27.961	0.06	27.515	16.48	247.4
275	1.060	34.957	-2.13	1.047	297.0	87.37	0.087	15.49	28.007	32.690	28.008	0.29	27.556	17.05	272.1
300	0.774	34.884	-2.14	0.760	296.8	86.61	0.086	11.76	27.967	32.658	27.968	0.07	27.590	17.61	296.8
325	0.722	34.894	-2.16	0.708	297.1	86.60	0.086	11.61	27.978	32.671	27.979	0.02	27.619	18.16	321.5
350	0.557	34.899	-2.18	0.542	297.9	86.47	0.086	9.79	27.993	32.690	27.994	0.01	27.645	18.68	346.2
375	0.511	34.911	-2.20	0.495	298.5	86.54	0.084	10.15	28.005	32.703	28.006	0.02	27.670	19.14	370.9
400	0.413	34.886	-2.22	0.396	297.9	86.14	0.083	9.57	27.991	32.692	27.992	0.02	27.690	19.63	395.6
500	0.276	34.890	-2.29	0.255	299.0	86.14	0.082	9.42	28.003	32.708	28.004	0.05	27.751	21.57	494.3
600	0.218	34.894	-2.37	0.192	300.1	86.33	0.078	9.72	28.008	32.715	28.010	0.04	27.794	23.44	593.0
700	0.193	34.894	-2.44	0.162	299.7	86.16	0.078	10.66	28.010	32.718	28.012	0.05	27.824	25.27	691.7
800	0.163	34.895	-2.52	0.127	300.1	86.20	0.077	10.96	28.013	32.721	28.015	0.05	27.848	27.07	790.3
900	0.118	34.897	-2.59	0.078	301.1	86.38	0.076	12.20	28.017	32.727	28.019	0.05	27.867	28.84	888.9
1000	0.041	34.900	-2.67	-0.004	302.6	86.64	0.073	12.35	28.023	32.735	28.026	0.06	27.882	30.57	987.4
1100	-0.113	34.919	-2.75	-0.163	303.9	86.67	0.072	13.00	28.047	32.763	28.049	0.02	27.896	32.11	1085.9
1200	-0.235	34.924	-2.82	-0.289	304.7	86.63	0.074	13.30	28.057	32.777	28.060	0.04	27.909	33.52	1184.3
1300	-0.347	34.929	-2.90	-0.405	304.0	86.18	0.072	14.32	28.067	32.789	28.070	0.05	27.921	34.83	1282.7
1397	-0.401	34.935	-2.97	-0.464	304.3	86.13	0.070	16.07	28.074	32.798	28.077	0.05	27.931	36.02	1378.1