

WINTERTIME OCEANOGRAPHIC CONDITIONS IN
THE GULF OF MAINE, 16-20 FEBRUARY, 1987:
CHLOROPHYLL, NUTRIENT
AND
HYDROGRAPHIC DATA

BY

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Bigelow Laboratory for Ocean Sciences, Technical Report No. 62.
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I. INTRODUCTION

This report presents the results of an oceanographic research cruise in the Gulf of Maine aboard the R/V Oceanus, February 16 to 20, 1987. A total of twenty six stations (shown in Figure 1, latitudes and longitudes given atop the CTD listings for each station) are reported on here for Chlorophyll a and Phaeopigments, Nutrients (nitrate, nitrite and ammonia), and Temperature, Salinity and Density (Sigma-t).

II. MATERIALS AND METHODS

Physical data were acquired using a Neil Brown Smart CTD (Conductivity, Temperature and Depth profiler). The instrument was lowered to within about 5 meters of the bottom as determined by the signal from a pinger, attached to the CTD, received on the ship's PDR. Water for the phytoplankton pigment and nutrient concentration determinations was collected on a separate cast following the CTD cast, and using 1.7 liter Niskin bottles.

Chlorophyll a and phaeopigment concentrations were determined according to the methods in Parsons et al (1984). Briefly, 100 mls of water from each sample depth was filtered onto a 0.45 μ m Millipore HA filter, the filter was put into a pyrex test tube with 10 ml of 85% acetone and placed in a freezer (ca. -18°C) for at least 6 hours before the fluorometric analyses.

The nutrient analyses were determined by C. Garside and G. Tilton using an autoanalyser back at the lab on samples frozen at sea.

III. ACKNOWLEDGMENTS

We thank Mike Dunn, Chuck Gregory and John Moison of the University of Maine for their assistance at sea. Funding for this cruise was awarded by the National Science Foundation, Grant No. OCE-85-11281 to Leon M. Cammen.

IV. LITERATURE CITED

Parsons, T.R., Y. Maita and C.M. Lalli. 1984. A Manual of Chemical and Biological Methods for Sea Water Analysis. Pergamon, N.Y. 173 pp.

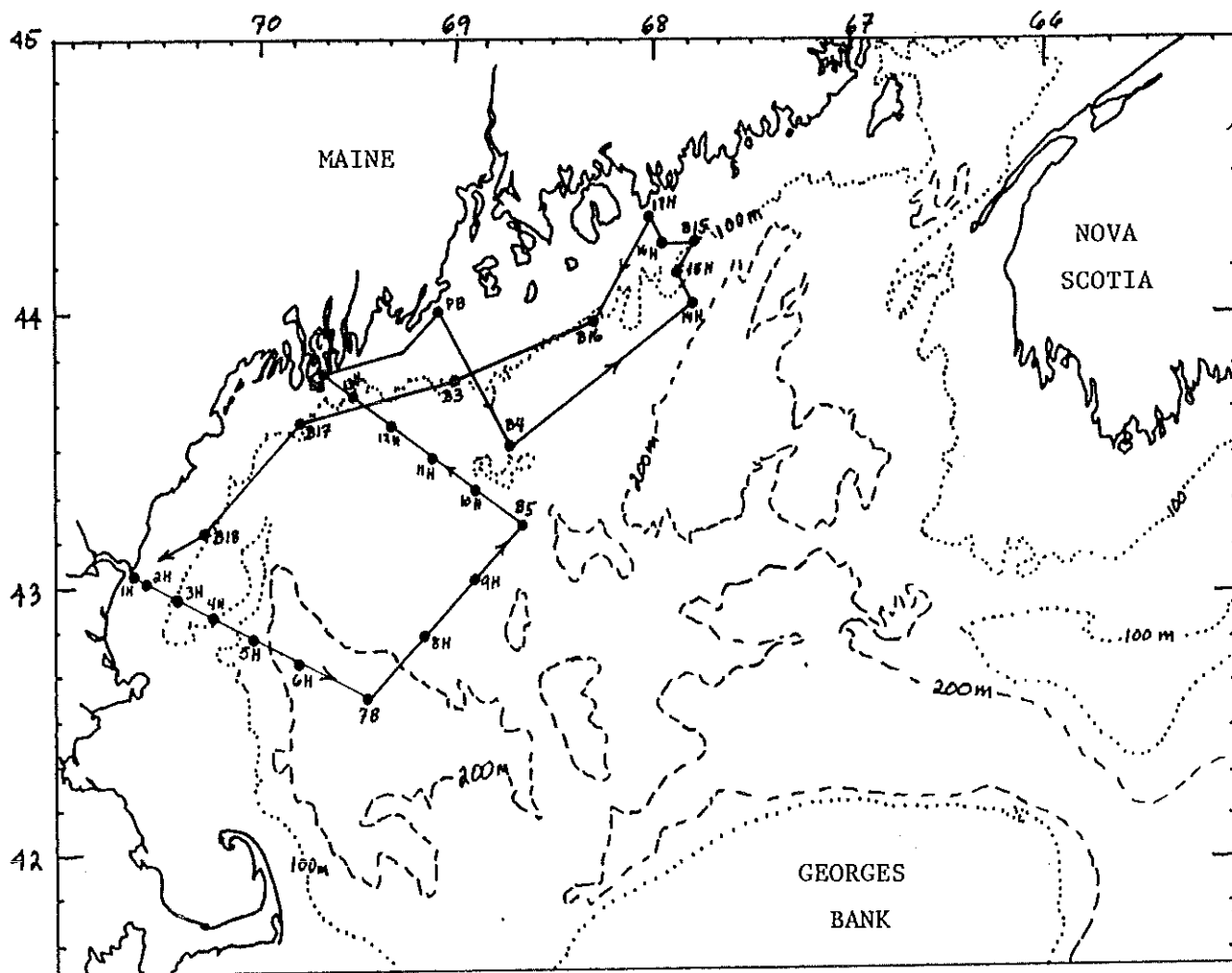


FIGURE 1. Cruise track and station locations for the R/V Oceanus cruise, February 16-20, 1987. Coordinates for each station are given atop the CTD listings which follow.

Sta#	Depth	Chl. a	Phaeo	Tot Pig	NH4	NO3	NO2	PO4	SI04
1h	10	.77	.90	1.66	.30	9.07	.21	1.41	11.74
1h	5	.56	.64	1.90	.69	8.43	.21	1.33	11.47
2h	25	1.06	.85	1.91	.18	8.89	.22	1.57	10.37
2h	15	.93	.63	1.56	.02	8.65	.23	1.23	10.11
2h	5	.99	.75	1.74	.01	8.80	.23	1.29	10.30
3h	5	.47	.34	.81	-.04	8.30	.15	1.40	8.63
3h	15	.46	.36	.81	-.07	8.94	.15	1.35	8.81
3h	25	.53	.32	.85	.17	8.90	.06	1.58	9.05
3h	45	.25	.12	.37	.18	9.41	.15	1.57	9.10
3h	70	.28	.25	.53	1.15	8.97	.13	1.43	8.61
4h	95	.29	.33	.62	.13	9.10	.14	1.48	8.56
4h	50	.25	.26	.51	1.37	9.15	.07	2.92	9.29
4h	25	.26	.28	.54	.12	9.05	.06	1.54	9.04
4h	15	.24	.25	.50	.21	9.30	.07	1.59	8.78
4h	5	.25	.32	.57	.69	9.50	.15	1.39	8.63
5h	100					9.12	.13	1.42	8.65
5h	75				.32	9.30	.14	1.65	8.89
5h	50	.29	.28	.57	-.03	9.22	.13	1.25	8.50
5h	25	.26	.22	.48	.03	9.26	.13	1.69	8.34
5h	15	.25	.23	.48	-.03	9.15	.11	1.32	8.23
5h	5	.25	.26	.51	-.01	9.28	.12	1.23	8.33
6h	190	.07	.06	.12	.14	15.99	.08	2.18	17.09
6h	75				.12	9.87	.09	1.49	8.69
6h	50	.21	.42	.63	-.03	9.43	.08	1.11	8.67
6h	25	.32	.40	.73	.31	8.47	.14	1.52	7.24
6h	15	.38	.48	.86					
6h	5	.30	.38	.67	.08	8.31	.13	1.41	7.15
7b	250				.01	17.75	.06	2.01	21.18
7b	150					11.89	.09	1.44	10.80
7b	50	.33	.41	.74	.05	8.18	.12	1.17	7.03
7b	25	.30	.46	.75	.02	8.64	.12	1.36	7.46
7b	5	.36	.42	.78	3.23	8.75	.14	1.64	7.96
5b	150	.32	.36	.68	.05	10.42	.10	1.46	9.26
5b	100	.29	.45	.73	.05	8.60	.10	1.43	7.27
5b	75	.33	.45	.78	.02	7.54	.14	1.38	6.87
5b	50	.24	.37	.61	.07	7.21	.15	1.38	6.51
5b	25	.04	.33	.37	.10	6.92	.15	1.34	6.39
5b	5	.11	.20	.31	.17	7.28	.14	1.46	6.89
10h	100	.18	.32	.50					
10h	75	.13	.35	.48	.17	8.75	.14	1.56	7.44
10h	50	.24	.38	.62	.04	7.99	.13	1.33	7.18
10h	25	.15	.39	.55		7.98	.14	1.31	7.42
10h	5	.27	.41	.67	-.03	7.52	.13	1.44	7.62
11h	120	.18	.26	.44	.13	8.64	.13	1.38	7.82
11h	75	.35	.25	.59	.01	8.72	.14	1.35	7.77
11h	50	.22	.33	.55		8.61	.13	1.34	7.98

11h	25	.16	.24	.40	.31	8.67	.13	2.09	8.01
11h	5	.19	.32	.51	1.60	8.69	.14	1.50	7.66
12h	100	.23	.33	.56	-.02	8.53	.11	1.35	8.20
12h	75	.23	.32	.55	-.06	8.56	.14	1.34	8.41
12h	50	.29	.39	.67	.07	8.65	.15	1.39	8.05
12h	25	.27	.34	.61	-.07	8.52	.16	1.41	8.36
12h	5	.32	.36	.68	-.05	8.46	.17	1.56	7.88
13h	40	1.36	1.12	2.48	-.04	7.89	.19	1.42	8.52
13h	25	1.36	1.19	2.55	.21	7.71	.18	1.36	8.18
13h	15	1.48	.68	2.16	.08	7.87	.18	1.30	8.28
13h	5	.92	.89	1.81	.11	7.93	.19	1.34	8.54
sb	40	.77	.86	1.63	.02	8.59	.20	1.56	9.96
sb	25	1.12	.61	1.74	.18	8.19	.19	1.42	9.29
sb	15	.86	1.23	2.09	.35	8.66	.21	1.48	10.12
sb	5	.94	.97	1.91	.38	8.32	.19	1.41	10.62
pb	25	5.46	3.93	9.39	.13	6.03	.17	1.26	7.16
pb	15	2.36	1.53	3.90	.14	6.24	.16	1.31	8.47
pb	5	3.25	2.07	5.31	.24	6.13	.19	1.38	8.93
4b	120	.26	.29	.55	.26	8.31	.15	1.34	8.50
4b	100	.24	.44	.68	.02	8.24	.16	1.42	7.96
4b	75	.22	.30	.52	-.01	8.39	.15	1.37	7.47
4b	50	.26	.35	.61	1.16	7.78	.12	1.70	7.04
4b	25	.36	.20	.56		7.42	.12	1.45	6.63
4b	5	.30	.34	.64	.01	7.06	.14	1.21	6.19
14h	130	.30	.31	.60	.01	8.15	.23	1.39	8.05
14h	100	.30	.33	.63	.02	8.28	.17	1.32	7.73
14h	75	.19	.32	.51	.01	8.40	.16	1.42	8.09
14h	50	.22	.31	.53	-.07	.52	.16	1.41	8.36
14h	25	.32	.41	.73		7.42	.12	1.45	6.63
14h	5	.22	.33	.55	.01	7.06	.14	1.21	6.19
15h	85	.31	.36	.67					
15h	50	.24	.31	.55	.04	8.22	.16	1.27	8.14
15h	25	.24	.35	.58	.02	8.20	.16	1.34	8.85
15h	5	.27	.28	.55		8.18	.15	1.05	7.96
15b	85	.18	.25	.43		9.31	.14	1.46	8.66
15b	50	.24	.31	.55	.03	8.58	.15	1.38	7.89
15b	25	.24	.30	.53		8.40	.14	1.43	7.97
15b	5	.24	.28	.52	.01	8.16	.16	1.33	7.68
16h	40	.35	.25	.60	-.03	8.12	.16	1.31	9.07
16h	15	.21	.36	.57	-.01	8.17	.17	1.38	7.77
16h	5	.30	.31	.60	-.03	7.96	.17	1.34	7.51
17h	40	.35	.50	.85					
17h	15	.28	.43	.71	.02	8.17	.14	1.30	8.78
17h	5	.15	.38	.53	.10	8.28	.16	1.29	8.63
16b	85	.31	.29	.60	.04	8.06	.17	1.31	7.42
16b	60	.31	.29	.60	.03	7.90	.15	1.30	7.68
16b	40	.31	.35	.66	-.03	7.86	.15	1.27	7.45
16b	20	.31	.33	.64	.01	7.82	.14	1.25	7.37

16b	5	.28	.37	.66		7.76	.14	1.25	7.31
3b	85	.43	.51	.94	.23	8.14	.13	1.56	7.72
3b	60	.31	.36	.67	2.04	8.57	.18	1.69	8.12
3b	40	.35	.53	.89	-.04	8.13	.15	1.32	8.22
3b	20	.35	.57	.92	.05	8.52	.16	1.38	7.97
3b	5	.32	.56	.89		8.33	.16	1.25	8.07
17b	85	.19	.57	.76	.05	9.19	.16	1.44	8.86
17b	60	.30	.31	.60	.01	9.37	.14	1.52	8.47
17b	40	.63	.73	1.36	.03	8.04	.20	1.14	7.79
17b	20	1.00	.98	1.98	.08	8.45	.18	1.33	8.88
17b	5	.83	.73	1.56	.15	7.95	.17	1.37	9.14
18b	85	.77	.33	1.10	.01	7.03	.17	1.20	7.84
18b	60	.59	.61	1.20	.02	8.37	.17	1.26	8.06
18b	40	.61	.71	1.31	.02	9.05	.18	1.46	8.36
18b	20	.56	.61	1.17		7.45	.14	1.22	6.93
18b	5	.53	.66	1.19	-.02	9.00	.16	1.29	8.56

CRUISE: Oceanus Feb. 1987 STA. NAME: 1h

DATE: 2/16/87 POSITION-
LOC. TIME: 16:37 LAT: 43 2.18
DEPTH: 21M LON: 70 39.13

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
1.6	.643	32.1622	25.7839
2.7	.643	32.1809	25.799
3.3	.644	32.1899	25.8062
4	.649	32.1972	25.8118
4.5	.655	32.1971	25.8114
5.2	.659	32.2094	25.821
5.9	.66	32.2196	25.8292
6.5	.663	32.229	25.8366
7.1	.671	32.2384	25.8438
7.6	.68	32.1371	25.7617
8.3	.686	32.1989	25.8111
8.9	.687	32.231	25.837
9.6	.709	32.2426	25.845
10.3	.718	32.256	25.8554
10.9	.732	32.2643	25.8613
11.5	.864	32.2245	25.8218
12.2	1.068	32.1971	25.7879
12.8	1.218	32.2445	25.8169
13.5	1.267	32.299	25.8576
14.1	1.304	32.3353	25.8844
14.8	1.327	32.3619	25.9043
15.4	1.331	32.3841	25.9218
16	1.332	32.3992	25.9339
16.7	1.334	32.4094	25.942
17.3	1.337	32.4161	25.9472
18	1.352	32.4154	25.9457
18.6	1.391	32.4102	25.939
19.2	1.493	32.3891	25.9154
19.9	1.545	32.4045	25.9243
20.5	1.575	32.4262	25.9397
21	1.588	32.444	25.9531
21.2	1.587	32.46	25.966

CRUISE: Oceanus Feb. 1987 STA. NAME: 2h

DATE: 2/16/87 POSITION-
 LOC. TIME: 19:12 LAT: 43 1.76
 DEPTH: 40M LON: 70 36.55

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
1.3	1.679	32.5057	25.9964
2.5	1.677	32.5083	25.9986
3.1	1.678	32.5082	25.9985
3.8	1.678	32.5179	26.0062
4.3	1.682	32.5122	26.0014
5	1.681	32.5141	26.003
5.6	1.677	32.5167	26.0053
6.3	1.683	32.4786	25.9744
6.9	1.682	32.5045	25.9952
7.5	1.682	32.5142	26.003
8.1	1.677	32.5216	26.0092
8.7	1.688	32.5023	25.9931
9.4	1.689	32.5185	26.006
10.1	1.684	32.527	26.0132
10.7	1.679	32.5306	26.0164
11.3	1.678	32.5313	26.017
12	1.675	32.534	26.0194
12.7	1.673	32.5357	26.0209
13.4	1.694	32.5237	26.0098
14	1.68	32.5378	26.0221
14.6	1.711	32.5281	26.0121
15.2	1.714	32.5359	26.0182
15.9	1.695	32.5476	26.0289
16.5	1.697	32.5415	26.0238
17.1	1.732	32.5288	26.0113
17.8	1.739	32.5388	26.0188
18.5	1.74	32.5449	26.0236
19.3	1.735	32.5509	26.0287
20	1.74	32.5516	26.029
20.9	1.738	32.5532	26.0304
21.7	1.736	32.556	26.0328
22.4	1.735	32.5567	26.0334
23.3	1.728	32.5609	26.0373
24.3	1.718	32.5619	26.0388
25.3	1.719	32.5578	26.0354
26.1	1.722	32.5555	26.0334
27	1.723	32.5565	26.0341
27.9	1.733	32.5519	26.0297
28.7	1.731	32.5561	26.0332
29.4	1.73	32.558	26.0348
30.4	1.74	32.5584	26.0344
31.2	1.745	32.549	26.0265
32.1	1.791	32.5374	26.014
32.9	1.831	32.5583	26.028
33.8	1.932	32.5462	26.0111
34.6	1.94	32.575	26.0335

35.5	1.982	32.5637	26.0214
36.3	2.067	32.5468	26.0017
37.1	2.097	32.5653	26.0143
37.8	2.094	32.5879	26.0326
38	2.094	32.5965	26.0394
38.3	2.101	32.6028	26.044
38.2	2.107	32.6029	26.0436
38	2.092	32.6122	26.0522
37.6	2.102	32.6034	26.0444

CRUISE: Oceanus Feb. 1987 STA. NAME: 3h

DATE: 2/16/87 POSITION-
LOC. TIME: 20:23 LAT: 42 58.16
DEPTH: 82M LON: 70 30.4

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
.8	4.088	32.9692	26.1622
2.1	4.089	32.7529	25.9902
2.9	4.092	32.865	26.079
3.9	4.096	32.9147	26.1181
4.8	4.1	32.9385	26.1366
5.8	4.1	32.9498	26.1456
6.8	4.097	32.9558	26.1507
7.7	4.099	32.9569	26.1513
8.8	4.1	32.96	26.1537
9.9	4.101	32.962	26.1552
10.9	4.104	32.9644	26.1567
12	4.107	32.9643	26.1564
13.2	4.108	32.965	26.1569
14.4	4.112	32.9639	26.1556
15.5	4.107	32.9695	26.1606
16.5	4.103	32.9636	26.1562
17.7	4.098	32.9692	26.1612
18.7	4.097	32.9709	26.1626
19.9	4.103	32.9689	26.1604
21	4.101	32.9727	26.1637
22.1	4.096	32.9736	26.1649
23.2	4.096	32.973	26.1644
24.4	4.099	32.9694	26.1612
25.5	4.096	32.9742	26.1654
26.6	4.097	32.9738	26.1649
27.8	4.14	32.963	26.152
29	4.185	32.9548	26.141
30.2	4.193	32.9732	26.1548
31.4	4.209	32.9742	26.1539
32.6	4.224	32.9797	26.1567
33.7	4.217	33.0002	26.1738
34.8	4.19	33.0056	26.1808
35.9	4.279	32.9698	26.1432
36.9	4.254	32.9908	26.1625
38	4.2	33.0186	26.1901
39.1	4.257	32.9784	26.1524
40.2	4.323	32.9727	26.1411
41.3	4.288	33.0213	26.1833
42.4	4.268	33.0232	26.1868
43.5	4.304	33.0053	26.1689
44.5	4.324	33.0047	26.1663
45.6	4.339	33.0102	26.1691
46.8	4.391	33.0008	26.1563
47.9	4.394	33.0206	26.1717
49	4.402	33.0249	26.1743
50.1	4.401	33.0312	26.1794

51.2	4.4	33.0339	26.1817
52.5	4.4	33.0356	26.183
53.8	4.4	33.0232	26.1732
54.9	4.401	33.031	26.1792
56	4.415	33.0293	26.1764
57.1	4.414	33.0356	26.1815
58.3	4.405	33.0416	26.1872
59.3	4.39	33.0561	26.2003
60.5	4.411	33.038	26.1837
61.7	4.413	33.0377	26.1833
62.7	4.422	33.0364	26.1813
63.8	4.426	33.0376	26.1819
64.8	4.427	33.0396	26.1833
66	4.431	33.0408	26.1839
67	4.438	33.038	26.1809
68.1	4.445	33.0386	26.1806
69.2	4.465	33.0344	26.1752
70.4	4.469	33.0402	26.1794
71.4	4.474	33.0452	26.1829
72.5	4.477	33.0487	26.1853
73.5	4.482	33.049	26.185
74.6	4.482	33.0519	26.1873
75.5	4.485	33.052	26.187
76.3	4.488	33.052	26.1868
77	4.486	33.0537	26.1883
77.7	4.485	33.0543	26.1889
78.5	4.484	33.0549	26.1895
79.1	4.486	33.0538	26.1884
79.4	4.49	33.0508	26.1856

CRUISE: Oceanus Feb. 1987 STA. NAME: 4h

DATE: 2/16/87 POSITION-
LOC. TIME: 22:27 LAT: 43 53.24
DEPTH: 112M LON: 70 18.79

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
1.6	4.583	32.899	26.0553
3.2	4.591	33.0031	26.1371
4	4.591	33.0167	26.1478
4.9	4.59	33.0242	26.1539
6	4.586	33.0393	26.1663
7.1	4.598	33.0314	26.1587
8.2	4.6	33.0346	26.1611
9.3	4.603	33.0369	26.1626
10.5	4.606	33.0379	26.1631
11.6	4.615	33.0365	26.161
12.8	4.615	33.0417	26.1651
13.9	4.63	33.039	26.1613
15.1	4.646	33.0352	26.1566
16.4	4.634	33.0477	26.1678
17.5	4.62	33.0518	26.1725
18.7	4.62	33.0511	26.1721
19.9	4.619	33.0504	26.1715
21	4.619	33.0498	26.1711
22.2	4.619	33.0503	26.1715
23.3	4.616	33.0539	26.1747
24.5	4.615	33.0543	26.1751
25.6	4.614	33.0508	26.2042
26.8	4.621	33.0704	26.1872
28	4.62	33.0638	26.1821
29.2	4.609	33.066	26.185
30.4	4.61	33.097	26.2095
31.5	4.606	33.0772	26.1942
32.7	4.604	33.0692	26.1881
33.9	4.606	33.0654	26.1849
35.3	4.606	33.0647	26.1843
36.5	4.603	33.0659	26.1856
37.8	4.6	33.0694	26.1887
39	4.603	33.0646	26.1846
40.2	4.602	33.065	26.185
41.4	4.602	33.0656	26.1854
42.5	4.603	33.0663	26.1859
43.5	4.602	33.0691	26.1883
44.8	4.602	33.0696	26.1887
45.9	4.601	33.0712	26.19
47.1	4.604	33.0699	26.1887
48.1	4.604	33.0729	26.191
49.4	4.604	33.0688	26.1877
50.5	4.604	33.0705	26.1891
51.8	4.616	33.0683	26.1861
53.1	4.616	33.07	26.1874
54.3	4.618	33.072	26.1888

55.5	4.619	33.0727	26.1893
56.6	4.622	33.0715	26.188
57.8	4.619	33.0739	26.1902
59	4.615	33.0761	26.1924
60.1	4.61	33.0747	26.1918
61.3	4.635	33.0619	26.179
62.4	4.646	33.0666	26.1816
63.6	4.648	33.0698	26.1839
64.7	4.646	33.0724	26.1861
65.8	4.675	33.0476	26.1633
67	4.66	33.0689	26.1818
68.2	4.661	33.0719	26.1841
69.4	4.661	33.1015	26.2076
70.6	4.653	33.0926	26.2014
71.6	4.647	33.0888	26.199
72.7	4.635	33.0863	26.1983
73.9	4.631	33.092	26.2033
75.1	4.65	33.0747	26.1875
76.1	4.664	33.0718	26.1837
77.3	4.659	33.0774	26.1887
78.5	4.661	33.0945	26.2021
79.7	4.646	33.0961	26.2049
80.7	4.653	33.0839	26.1945
81.9	4.649	33.0827	26.194
83	4.646	33.0851	26.1962
84.1	4.624	33.103	26.2128
85.4	4.647	33.0806	26.1925
86.4	4.667	33.0694	26.1815
87.5	4.682	33.0666	26.1777
88.7	4.685	33.0781	26.1864
89.9	4.684	33.0808	26.1887
90.9	4.684	33.0814	26.1892
92.1	4.695	33.0803	26.1871
93.3	4.696	33.0833	26.1894
94.4	4.693	33.0846	26.1907
95.6	4.693	33.084	26.1902
96.6	4.688	33.085	26.1916
97.7	4.691	33.0826	26.1894
98.7	4.695	33.0827	26.189
99.5	4.694	33.0845	26.1905
100.5	4.694	33.0828	26.1892
101.4	4.697	33.0828	26.1889
102.3	4.699	33.085	26.1904
103.2	4.705	33.0832	26.1883
104.1	4.7	33.0866	26.1915
105	4.696	33.0739	26.1819
105.4	4.699	33.0776	26.1846
105.3	4.704	33.0808	26.1865

CRUISE: Oceanus Feb. 1987 STA. NAME: 5h

DATE: 2/16/87 POSITION-
LOC. TIME: 24:00 LAT: 42 48.14
DEPTH: 128M LON: 70 6.93

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
1.6	4.867	32.526	25.7289
2.7	4.867	32.9353	26.0534
3.4	4.868	33.0056	26.109
4	4.865	33.0302	26.1289
4.6	4.868	33.0385	26.1351
5.2	4.866	33.0448	26.1403
5.9	4.866	33.0525	26.1464
6.5	4.865	33.0509	26.1453
7.1	4.865	33.0483	26.1432
7.7	4.863	33.05	26.1447
8.2	4.867	33.0492	26.1437
8.8	4.866	33.0499	26.1444
9.4	4.862	33.0536	26.1477
9.9	4.861	33.0543	26.1484
10.6	4.852	33.0629	26.1562
11.2	4.849	33.0644	26.1577
11.7	4.854	33.0615	26.1549
12.4	4.854	33.0635	26.1564
13	4.86	33.0572	26.1508
13.7	4.861	33.0581	26.1514
14.2	4.863	33.0582	26.1513
14.9	4.865	33.057	26.1501
15.5	4.865	33.059	26.1517
16.1	4.865	33.0761	26.1652
16.7	4.862	33.0741	26.164
17.5	4.861	33.0724	26.1627
18	4.857	33.0738	26.1643
18.6	4.856	33.0722	26.1631
19.3	4.844	33.0803	26.1709
19.8	4.834	33.0819	26.1732
20.5	4.824	33.0799	26.1728
21.1	4.834	33.065	26.1599
21.8	4.843	33.0627	26.157
22.5	4.836	33.0716	26.1648
23.1	4.833	33.0743	26.1673
23.8	4.769	33.0972	26.1925
24.5	4.75	33.0879	26.1872
25.1	4.744	33.0797	26.1813
25.7	4.746	33.0728	26.1756
26.4	4.749	33.0648	26.169
27	4.746	33.0686	26.1723
27.8	4.748	33.0674	26.1711
28.4	4.743	33.0709	26.1745
29.1	4.736	33.0729	26.1768
29.8	4.742	33.07	26.1739
30.4	4.758	33.0653	26.1684

31.2	4.757	33.0694	26.1718
31.8	4.753	33.0742	26.176
32.7	4.75	33.0745	26.1765
33.5	4.751	33.073	26.1753
34.3	4.751	33.0726	26.175
34.9	4.751	33.0735	26.1756
35.7	4.752	33.0732	26.1753
36.3	4.752	33.0729	26.1751
37	4.752	33.0737	26.1757
37.6	4.748	33.0763	26.1782
38.2	4.751	33.0393	26.1486
38.9	4.753	33.0567	26.1621
39.6	4.75	33.0686	26.1719
40.2	4.751	33.0719	26.1744
41	4.751	33.0901	26.1888
41.5	4.754	33.081	26.1813
42.2	4.74	33.0853	26.1862
42.8	4.733	33.0839	26.1859
43.5	4.736	33.0817	26.1838
44.1	4.726	33.0844	26.187
45	4.72	33.0842	26.1875
45.6	4.717	33.081	26.1853
46.1	4.714	33.0907	26.1933
46.8	4.706	33.0879	26.192
47.7	4.717	33.0788	26.1835
48.3	4.717	33.0785	26.1833
48.9	4.714	33.0777	26.183
49.5	4.711	33.0781	26.1836
50.3	4.716	33.075	26.1806
51.1	4.715	33.0756	26.1812
51.8	4.716	33.0754	26.1809
52.5	4.719	33.0755	26.1807
53.1	4.717	33.0772	26.1823
53.9	4.707	33.0809	26.1863
54.4	4.706	33.0794	26.1852
55.2	4.706	33.079	26.1849
55.8	4.706	33.0787	26.1846
56.6	4.707	33.0784	26.1843
57.1	4.708	33.0783	26.1841
57.9	4.709	33.0781	26.1838
58.5	4.707	33.0797	26.1854
59.2	4.705	33.0802	26.186
60	4.706	33.0788	26.1847
60.5	4.705	33.0796	26.1854
61.2	4.704	33.079	26.1851
61.8	4.704	33.0787	26.1849
62.5	4.702	33.0804	26.1864
63.2	4.703	33.072	26.1797
63.7	4.702	33.0763	26.1832
64.6	4.702	33.0781	26.1846
65.1	4.702	33.079	26.1854
65.9	4.703	33.0788	26.185
66.6	4.702	33.0794	26.1857
67.2	4.701	33.0801	26.1863
68.3	4.701	33.0807	26.1868
69.2	4.703	33.0829	26.1883
70.2	4.704	33.0814	26.187

71.2	4.705	33.081	26.1866
72.2	4.705	33.0817	26.1871
73.2	4.703	33.0832	26.1885
74.3	4.7	33.0856	26.1908
75.4	4.703	33.082	26.1876
76.4	4.705	33.0807	26.1863
77.5	4.703	33.0844	26.1895
78.4	4.703	33.084	26.1892
79.5	4.704	33.0824	26.1878
80.5	4.707	33.0812	26.1866
81.5	4.706	33.0829	26.188
82.6	4.706	33.0835	26.1884
83.7	4.707	33.0819	26.1871
84.8	4.707	33.0825	26.1876
85.8	4.707	33.082	26.1872
86.8	4.708	33.0816	26.1868
87.9	4.708	33.0834	26.1882
88.9	4.708	33.084	26.1887
89.9	4.707	33.0845	26.1892
91	4.709	33.0831	26.1879
92	4.712	33.082	26.1866
93.1	4.716	33.082	26.1862
94.2	4.714	33.1136	26.2115
95.2	4.712	33.0977	26.1991
96.2	4.715	33.0896	26.1923
97.3	4.712	33.0874	26.1909
98.3	4.711	33.0855	26.1895
99.4	4.708	33.0856	26.1899
100.4	4.709	33.0841	26.1886
101.7	4.709	33.0846	26.189
102.6	4.713	33.05	26.1611
103.7	4.716	33.0685	26.1755
104.6	4.717	33.0763	26.1816
105.8	4.718	33.0817	26.1857
106.8	4.721	33.0828	26.1863
107.8	4.723	33.0838	26.1868
108.9	4.727	33.0827	26.1856
109.8	4.734	33.0845	26.1862
110.9	4.739	33.0836	26.185
112.1	4.739	33.0865	26.1873
113.1	4.736	33.0901	26.1905
114.2	4.736	33.0896	26.19
115.3	4.738	33.0893	26.1896
116.3	4.736	33.0908	26.191
117.4	4.738	33.0894	26.1897
118.5	4.736	33.0908	26.191
119.6	4.736	33.0903	26.1906
120.6	4.735	33.0908	26.1911
121.7	4.736	33.0892	26.1897
122.8	4.736	33.0898	26.1902
123.9	4.735	33.0891	26.1897
124.5	4.734	33.0898	26.1904
125.1	4.735	33.0896	26.1902

CRUISE: Oceanus Feb. 1987 STA. NAME: 6h

DATE: 2/17/87 POSITION-
LOC. TIME: 01:35 LAT: 42 42.14
DEPTH: 205M LON: 69 55.71

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
1.4	4.186	32.5743	25.8385
2.6	4.183	32.6942	25.9341
3.2	4.183	32.7115	25.9478
3.9	4.181	32.7237	25.9577
4.5	4.187	32.7292	25.9615
5.3	4.187	32.7311	25.963
6	4.2	32.7284	25.9595
6.9	4.209	32.7272	25.9577
7.7	4.227	32.7288	25.9571
8.5	4.233	32.7353	25.9617
9.4	4.24	32.7408	25.9653
10.3	4.237	32.7469	25.9704
11.1	4.235	32.7508	25.9738
12	4.241	32.7502	25.9727
12.9	4.243	32.7501	25.9724
13.9	4.249	32.7518	25.9732
14.8	4.261	32.7535	25.9733
15.8	4.27	32.7557	25.9741
16.6	4.27	32.7612	25.9785
17.6	4.275	32.7639	25.9801
18.5	4.283	32.7684	25.9828
19.4	4.287	32.7733	25.9863
20.3	4.295	32.7742	25.9863
21.1	4.3	32.7829	25.9927
22.2	4.307	32.7777	25.9878
23	4.33	32.7778	25.9855
24	4.403	32.7597	25.9636
25.2	4.581	32.733	25.9237
26	4.674	32.7729	25.9456
26.9	4.887	32.7588	25.9113
27.9	4.993	32.8279	25.9543
28.8	5.074	32.8763	25.9837
29.7	5.309	32.8634	25.9468
30.8	5.472	32.9103	25.965
31.6	5.524	32.9827	26.0163
32.7	5.623	33.0143	26.0295
33.8	5.635	33.0654	26.0685
34.7	5.691	33.0813	26.0744
35.9	5.727	33.1041	26.0881
36.9	5.748	33.126	26.1029
37.8	5.753	33.1455	26.1177
38.9	5.755	33.1565	26.1262
39.6	5.756	33.1619	26.1303
40.6	5.754	33.1668	26.1344
41.7	5.759	33.1692	26.1357
42.4	5.76	33.1724	26.1381

43.5	5.754	33.1778	26.1431
44.3	5.756	33.1765	26.1419
45.3	5.76	33.1755	26.1406
46.4	5.759	33.1782	26.1428
47.2	5.764	33.1785	26.1425
48.2	5.766	33.1783	26.1421
49.2	5.774	33.179	26.1416
50.3	5.778	33.1734	26.1367
51.4	5.776	33.1838	26.1452
52.7	5.781	33.1839	26.1447
54	5.782	33.1857	26.1459
55.2	5.787	33.1846	26.1445
56.5	5.794	33.1861	26.1449
57.7	5.797	33.1894	26.1471
59	5.8	33.1892	26.1465
60.3	5.803	33.2093	26.162
61.4	5.806	33.2103	26.1625
62.8	5.82	33.2003	26.1529
64.1	5.824	33.2002	26.1524
65.2	5.827	33.2046	26.1555
66.5	5.825	33.2105	26.1603
67.7	5.845	33.2015	26.1508
69.2	5.877	33.1963	26.1428
70.2	5.888	33.2031	26.1468
71.5	5.905	33.2093	26.1497
72.8	5.913	33.2211	26.158
74	5.922	33.2252	26.1601
75.4	5.913	33.2367	26.1703
76.5	5.9	33.2444	26.178
77.8	5.879	33.2532	26.1875
79	5.854	33.2603	26.1961
80.3	5.839	33.2586	26.1967
81.5	5.839	33.2524	26.1917
82.8	5.833	33.2542	26.1939
83.9	5.833	33.2526	26.1926
85.3	5.835	33.2533	26.1929
86.5	5.837	33.253	26.1925
87.8	5.841	33.2529	26.1919
89	5.844	33.255	26.1932
90.2	5.856	33.2527	26.1899
91.6	5.861	33.2415	26.1804
92.8	5.864	33.2526	26.1888
94	5.865	33.2589	26.1937
95.2	5.865	33.2639	26.1977
96.6	5.889	33.2554	26.188
97.8	5.922	33.2437	26.1747
99	5.928	33.2608	26.1875
100.3	5.935	33.2724	26.1958
101.5	5.94	33.259	26.1846
102.8	5.962	33.2559	26.1794
104	5.946	33.2823	26.2022
105.2	5.947	33.2874	26.2062
106.4	5.948	33.2971	26.2137
107.8	5.951	33.2934	26.2105
108.9	5.949	33.296	26.2127
110.2	5.949	33.2965	26.2131
111.5	5.951	33.2961	26.2126

112.8	5.949	33.303	26.2183
113.9	5.958	33.2981	26.2133
115.3	5.96	33.3	26.2145
116.4	5.962	33.2997	26.2141
117.8	5.959	33.3053	26.2189
119.1	5.963	33.303	26.2165
120.2	5.963	33.3036	26.217
121.6	5.964	33.303	26.2164
122.8	5.964	33.3047	26.2177
123.9	5.969	33.3048	26.2172
125.2	5.972	33.3069	26.2185
126.5	5.976	33.3057	26.217
127.8	5.98	33.3146	26.2236
129	5.977	33.3214	26.2293
130.3	5.977	33.3196	26.2279
131.6	5.964	33.3217	26.2312
132.8	5.953	33.315	26.2273
134.1	5.943	33.322	26.234
135.4	5.948	33.3153	26.2281
136.7	5.949	33.3137	26.2267
138	5.949	33.3119	26.2253
139.1	5.949	33.3125	26.2258
140.5	5.949	33.314	26.227
141.7	5.949	33.3146	26.2274
143	5.949	33.3049	26.2198
144.3	5.954	33.3061	26.2201
145.4	5.952	33.3132	26.2259
147	5.965	33.3108	26.2225
148.1	5.968	33.3129	26.2238
149.4	6.011	33.3026	26.2103
150.8	6.048	33.3104	26.2119
151.9	6.061	33.3251	26.2218
153.3	6.078	33.3346	26.2272
154.5	6.085	33.3406	26.2311
155.8	6.101	33.3433	26.2312
157.2	6.112	33.3475	26.2331
158.5	6.117	33.3531	26.2369
159.7	6.121	33.3575	26.2399
161.1	6.13	33.3592	26.2401
162.4	6.135	33.3626	26.2422
163.6	6.148	33.3638	26.2415
164.9	6.153	33.3627	26.24
166.2	6.161	33.3687	26.2438
167.6	6.171	33.3728	26.2457
168.9	6.204	33.371	26.2401
170	6.255	33.3718	26.2343
171.5	6.3	33.3849	26.2389
172.5	6.326	33.4046	26.2511
174	6.361	33.4129	26.2532
175.3	6.378	33.469	26.2953
176.6	6.463	33.4673	26.2829
178.1	6.469	33.4961	26.3049
179.3	6.48	33.5103	26.3146
180.6	6.531	33.5339	26.3266
182	6.56	33.5668	26.3488
183.2	6.574	33.5923	26.3671
184.5	6.589	33.6135	26.3818

185.8	6.61	33.6475	26.4059
187.1	6.644	33.6975	26.4408
188.5	6.66	33.7385	26.471
189.6	6.666	33.7663	26.4921
191	6.671	33.7839	26.5053
192.3	6.683	33.7924	26.5105
193.5	6.683	33.8095	26.5239
195	6.683	33.8198	26.5321
196.1	6.683	33.8237	26.5351
197.6	6.684	33.8253	26.5362
198.8	6.684	33.8269	26.5375
200.2	6.684	33.8273	26.5379
201.3	6.684	33.8301	26.54
202.6	6.684	33.8306	26.5404
203.2	6.684	33.8303	26.5402

CRUISE: Oceanus Feb. 1987 STA. NAME: 7b

DATE: 2/17/87 POSITION-
 LOC. TIME: 04:20 LAT: 42 33.28
 DEPTH: 280M LON: 69 31.88

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
1.7	4.622	32.916	26.0646
2.8	4.627	32.9116	26.0606
3.4	4.625	32.918	26.0658
4	4.626	32.9213	26.0684
4.5	4.631	32.923	26.0692
5.2	4.63	32.9237	26.0698
5.8	4.629	32.9279	26.0733
6.5	4.629	32.9287	26.0739
7.1	4.63	32.9285	26.0737
7.8	4.627	32.9288	26.0742
8.7	4.628	32.9285	26.0739
9.2	4.632	32.9254	26.071
9.9	4.624	32.9319	26.077
10.7	4.628	32.9287	26.074
11.3	4.629	32.9285	26.0738
12	4.628	32.9291	26.0744
12.6	4.629	32.929	26.0742
13.4	4.629	32.9298	26.0748
14.1	4.628	32.9304	26.0754
14.8	4.628	32.93	26.0751
15.5	4.63	32.9288	26.0739
16.3	4.631	32.9298	26.0746
17	4.632	32.9331	26.0771
17.8	4.631	32.9325	26.0767
18.5	4.634	32.9315	26.0756
19.2	4.634	32.9311	26.0753
20	4.635	32.9297	26.0741
20.5	4.635	32.9306	26.0748
21.4	4.638	32.9283	26.0727
22.1	4.638	32.9303	26.0742
22.8	4.638	32.9113	26.0592
23.5	4.636	32.9257	26.0708
24.2	4.637	32.9302	26.0743
25	4.637	32.9333	26.0767
25.6	4.636	32.9433	26.0847
26.3	4.634	32.9402	26.0826
27	4.632	32.9395	26.0822
27.7	4.636	32.9387	26.0811
28.4	4.636	32.9325	26.0762
29.1	4.637	32.9358	26.0787
29.7	4.638	32.938	26.0803
30.5	4.638	32.9376	26.08
31.2	4.638	32.9372	26.0797
32.1	4.638	32.9391	26.0812
33.1	4.638	32.9397	26.0817
33.9	4.638	32.9405	26.0823

34.9	4.641	32.9486	26.0884
35.9	4.639	32.9466	26.0871
36.8	4.64	32.9428	26.084
37.8	4.638	32.9431	26.0844
38.9	4.635	32.9456	26.0867
39.8	4.638	32.9433	26.0845
40.9	4.64	32.943	26.0841
41.8	4.639	32.9436	26.0847
42.8	4.64	32.9432	26.0843
43.9	4.64	32.9438	26.0848
45.1	4.639	32.9442	26.0852
46.1	4.635	32.9453	26.0865
47.1	4.636	32.9438	26.0852
48.3	4.639	32.9426	26.0839
49.2	4.639	32.9433	26.0844
50.2	4.639	32.9439	26.0849
51.3	4.638	32.9432	26.0845
52	4.638	32.9428	26.0842
53.1	4.638	32.9423	26.0837
54.1	4.639	32.9431	26.0843
55	4.64	32.9428	26.0839
56	4.639	32.9003	26.0503
57	4.639	32.9242	26.0693
57.9	4.643	32.9313	26.0745
59	4.64	32.9384	26.0805
59.9	4.64	32.9403	26.0819
60.9	4.639	32.9419	26.0833
61.9	4.639	32.9426	26.0839
62.7	4.641	32.9425	26.0836
63.9	4.641	32.9442	26.0849
65	4.641	32.9436	26.0845
65.9	4.642	32.9422	26.0832
67.3	4.644	32.943	26.0836
68.2	4.647	32.9302	26.0732
68.9	4.662	32.9289	26.0705
70.1	4.664	32.9402	26.0793
71.2	4.667	32.9425	26.0808
72	4.662	32.9494	26.0868
73.1	4.667	32.9461	26.0837
73.9	4.653	32.9539	26.0913
75	4.661	32.9477	26.0855
76	4.767	32.9114	26.0454
76.9	4.797	32.9345	26.0604
77.8	4.793	32.9565	26.0783
79.1	4.797	32.9623	26.0824
79.9	4.804	32.9676	26.0859
80.8	4.916	32.9393	26.0512
81.6	4.949	32.9581	26.0624
82.8	4.982	32.9732	26.0707
83.8	5.008	32.9884	26.0799
84.6	5.061	32.9827	26.0694
85.7	5.131	32.9876	26.0654
86.7	5.176	33.0034	26.0728
87.6	5.176	33.0316	26.0952
88.5	5.19	33.039	26.0995
89.5	5.208	33.0436	26.1011
90.6	5.345	32.9994	26.0503

91.6	5.383	33.0492	26.0854
92.5	5.463	33.0485	26.0755
93.5	5.497	33.0839	26.0995
94.5	5.486	33.1181	26.1278
95.4	5.484	33.1299	26.1374
96.4	5.591	33.0921	26.0949
97.4	5.621	33.1188	26.1124
98.3	5.616	33.147	26.1353
99.4	5.559	33.18	26.1682
100.2	5.547	33.1721	26.1634
101.3	5.452	33.2177	26.2106
102.3	5.405	33.1965	26.1993
103.3	5.428	33.1573	26.1656
104.3	5.539	33.1235	26.1258
105.1	5.607	33.1276	26.121
106.1	5.702	33.1231	26.1061
107.1	5.738	33.1505	26.1235
108	5.731	33.192	26.1571
109.2	5.741	33.2041	26.1655
110	5.796	33.1869	26.1452
111	5.822	33.1924	26.1464
112	5.828	33.2198	26.1674
112.9	5.855	33.2143	26.1597
113.9	5.876	33.2168	26.1591
114.8	5.906	33.2195	26.1576
115.8	5.909	33.2442	26.1767
116.8	5.932	33.2278	26.161
117.8	5.959	33.2334	26.1621
118.7	5.966	33.2463	26.1714
119.7	5.981	33.2525	26.1744
120.8	5.997	33.2519	26.172
121.6	5.989	33.265	26.1833
122.6	5.985	33.2696	26.1874
123.6	5.986	33.2703	26.1879
124.6	5.992	33.2696	26.1865
125.5	6	33.2691	26.1852
126.6	6.008	33.2708	26.1855
127.6	6.026	33.2695	26.1822
128.5	6.042	33.2679	26.179
129.6	6.131	33.2496	26.1534
130.4	6.157	33.274	26.1695
131.5	6.204	33.2811	26.1692
132.4	6.224	33.2912	26.1746
133.5	6.236	33.3102	26.1881
134.5	6.253	33.322	26.1953
135.4	6.266	33.3345	26.2035
136.4	6.276	33.3454	26.2108
137.4	6.29	33.3513	26.2136
138.4	6.293	33.3601	26.2202
139.3	6.287	33.3689	26.2279
140.3	6.287	33.3717	26.2301
141.3	6.292	33.3752	26.2323
142.2	6.308	33.3781	26.2325
143.1	6.326	33.3811	26.2326
144.2	6.339	33.3912	26.2389
145.1	6.359	33.4057	26.2478
146.2	6.389	33.4147	26.251

147	6.39	33.4333	26.2656
148.1	6.39	33.4528	26.2809
148.9	6.39	33.4524	26.2806
150	6.4	33.451	26.2782
151.1	6.431	33.4545	26.277
152.2	6.446	33.4714	26.2884
153.4	6.499	33.4511	26.2655
154.6	6.496	33.4889	26.2957
155.6	6.498	33.5064	26.3093
157	6.506	33.4946	26.2989
158.2	6.521	33.5004	26.3015
159.3	6.528	33.5218	26.3175
160.5	6.562	33.5333	26.3221
161.8	6.617	33.5385	26.319
163.2	6.635	33.5622	26.3353
164.6	6.639	33.5808	26.3494
165.9	6.668	33.5838	26.3479
167.3	6.695	33.5897	26.3491
168.6	6.708	33.6051	26.3594
170	6.724	33.6119	26.3627
171.5	6.766	33.6152	26.3597
172.7	6.836	33.6188	26.3531
174.1	6.87	33.6442	26.3686
175.6	6.875	33.6759	26.3929
176.8	6.877	33.6931	26.4062
178.4	6.898	33.6993	26.4082
179.7	6.907	33.7096	26.4151
180.9	6.914	33.7175	26.4204
182.6	6.922	33.7253	26.4255
183.9	6.921	33.7333	26.432
185.1	6.921	33.7426	26.4393
186.9	6.878	33.7708	26.4673
188	6.863	33.7718	26.4701
189.5	6.851	33.774	26.4735
191.1	6.837	33.7738	26.4752
192.2	6.797	33.7917	26.4946
193.8	6.72	33.8138	26.5223
195.2	6.681	33.8085	26.5234
196.5	6.665	33.8092	26.5261
198	6.65	33.8089	26.5278
199.4	6.653	33.7986	26.5193
200.8	6.645	33.8014	26.5226
202.3	6.641	33.8013	26.523
203.6	6.635	33.8044	26.5263
205.1	6.63	33.8075	26.5294
206.4	6.625	33.814	26.5352
208	6.623	33.8229	26.5425
209.4	6.623	33.8267	26.5454
210.6	6.623	33.8283	26.5467
212.3	6.623	33.8297	26.5478
213.5	6.623	33.8379	26.5543
215	6.622	33.8415	26.5572
216.4	6.625	33.8434	26.5583
217.8	6.63	33.8444	26.5585
219.3	6.641	33.8516	26.5627
220.7	6.647	33.8583	26.5671
222.1	6.653	33.8605	26.5681

223.5	6.655	33.8667	26.5727
224.8	6.657	33.8696	26.5747
226.2	6.655	33.8775	26.5813
227.8	6.658	33.8804	26.5831
229.2	6.655	33.886	26.5879
230.6	6.65	33.8936	26.5946
231.9	6.65	33.8984	26.5984
233.4	6.654	33.9004	26.5994
234.7	6.655	33.9043	26.6024
236.1	6.659	33.9052	26.6025
237.6	6.666	33.9119	26.6069
239	6.67	33.915	26.6088
240.3	6.672	33.919	26.6117
241.9	6.675	33.923	26.6145
243.1	6.681	33.9231	26.6137
244.6	6.683	33.9281	26.6174
246	6.684	33.9298	26.6186
247.4	6.689	33.9285	26.617
248.8	6.696	33.9309	26.6179
250.2	6.706	33.9347	26.6195
251.7	6.711	33.9389	26.6222
253.1	6.717	33.9257	26.611
254.4	6.727	33.9372	26.6188
255.9	6.736	33.9486	26.6265
257.2	6.758	33.9549	26.6285
258.7	6.767	33.9695	26.6388
260.2	6.769	33.9789	26.646
261.4	6.766	33.9879	26.6535
262.9	6.77	33.9876	26.6527
264.3	6.772	33.9894	26.6538
265.7	6.774	33.9856	26.6506
267.2	6.774	33.9893	26.6535
268.6	6.774	33.9908	26.6547
270	6.774	33.9912	26.655
271.4	6.775	33.9885	26.6527
272.8	6.774	33.991	26.6548
274.2	6.775	33.9915	26.6551
275.7	6.775	33.9919	26.6554
277	6.775	33.9934	26.6566
278.5	6.772	33.9968	26.6597
279.2	6.775	33.9946	26.6575
279.7	6.775	33.9943	26.6573
279.9	6.775	33.9942	26.6572

CRUISE: Oceanus Feb. 1987 STA. NAME: 8h

DATE: 2/17/87 POSITION-
LOC. TIME: 13:45 LAT: 42 49.76
DEPTH: 150M LON: 69 13.08

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
2.9	4.201	32.6233	25.8759
4.5	4.203	32.6498	25.8968
5.4	4.202	32.6598	25.9048
6.5	4.202	32.6674	25.9109
7.4	4.202	32.674	25.9161
8.5	4.203	32.6807	25.9213
9.4	4.202	32.6847	25.9246
10.5	4.201	32.6887	25.9278
11.6	4.201	32.6904	25.9293
12.6	4.201	32.6958	25.9335
13.7	4.202	32.6978	25.935
14.8	4.198	32.7035	25.94
15.9	4.191	32.7099	25.9457
17	4.192	32.7095	25.9453
18.1	4.192	32.7113	25.9468
19.3	4.193	32.7132	25.9482
20.4	4.198	32.7159	25.9498
21.5	4.2	32.718	25.9513
22.6	4.203	32.7192	25.9519
23.8	4.204	32.7258	25.957
24.9	4.207	32.7269	25.9576
26.1	4.21	32.7304	25.9601
27.2	4.202	32.7425	25.9705
28.4	4.216	32.7338	25.9622
29.5	4.236	32.7309	25.9578
30.8	4.244	32.7469	25.9698
32.1	4.252	32.7406	25.9639
33.4	4.262	32.7429	25.9647
34.6	4.275	32.7446	25.9647
35.9	4.313	32.7389	25.9564
37.1	4.373	32.7325	25.9451
38.3	4.481	32.7216	25.9253
39.7	4.534	32.7441	25.9376
40.9	4.544	32.7755	25.9614
42.2	4.569	32.7862	25.9672
43.5	4.601	32.791	25.9676
45	4.651	32.793	25.9639
46.4	4.716	32.7906	25.955
47.6	4.75	32.8142	25.9701
49	4.766	32.8301	25.981
50.3	4.859	32.8161	25.9598
51.6	4.997	32.8027	25.934
52.8	5.129	32.8192	25.9323
54.2	5.202	32.8556	25.9528
55.4	5.256	32.89	25.9739
56.8	5.325	32.9003	25.9742

58	5.482	32.8846	25.9435
59.3	5.57	32.9226	25.9633
60.5	5.629	32.9583	25.9846
61.8	5.692	32.9786	25.9931
63.1	5.785	32.983	25.9854
64.5	5.909	32.993	25.9782
65.6	6.114	32.9823	25.9445
67	6.187	33.0559	25.9935
68.2	6.194	33.1177	26.0414
69.6	6.19	33.1499	26.0674
70.9	6.199	33.1595	26.0738
72.3	6.199	33.1711	26.0829
73.7	6.201	33.1774	26.0876
75	6.172	33.1961	26.1061
76.3	6.114	33.2064	26.1214
77.6	6.104	33.1864	26.1069
79	6.09	33.1893	26.111
80.2	6.087	33.1771	26.1017
81.6	6.063	33.1797	26.1068
82.8	6.06	33.1675	26.0975
84.1	6.094	33.1426	26.0736
85.3	5.989	33.201	26.1328
86.7	5.964	33.1844	26.1227
87.9	5.998	33.155	26.0953
89.3	5.977	33.1625	26.1038
90.6	5.844	33.2125	26.1596
91.8	5.731	33.217	26.1769
93.2	5.726	33.1794	26.1477
94.4	5.818	33.1313	26.0986
95.8	5.94	33.1147	26.0706
96.9	5.977	33.1532	26.0964
98.4	6.012	33.1799	26.1132
99.6	6.084	33.1884	26.111
100.9	6.111	33.2207	26.1331
102.1	6.122	33.2429	26.1493
103.5	6.135	33.2552	26.1573
104.8	6.144	33.2625	26.162
106	6.154	33.2733	26.1693
107.4	6.168	33.2757	26.1694
108.6	6.173	33.2803	26.1724
109.9	6.176	33.2868	26.1771
111.1	6.187	33.2855	26.1747
112.4	6.193	33.2901	26.1776
113.7	6.195	33.2942	26.1806
114.9	6.199	33.2942	26.1801
116.2	6.204	33.2942	26.1795
117.5	6.209	33.2965	26.1807
118.9	6.21	33.2982	26.1819
120	6.216	33.304	26.1857
121.2	6.227	33.3005	26.1815
122.6	6.231	33.3037	26.1836
123.8	6.24	33.3066	26.1847
125.1	6.248	33.307	26.184
126.3	6.246	33.3117	26.188
127.5	6.261	33.2998	26.1767
128.6	6.247	33.313	26.1889
129.8	6.244	33.3131	26.1893

130.9
131.7
132

6.242
6.241
6.245

33.3134
33.314
33.311

26.1898
26.1904
26.1876

CRUISE: Oceanus Feb. 1987 STA. NAME: 9h

DATE: 2/17/87 POSITION-
 LOC. TIME: 15:50 LAT: 43 3.94
 DEPTH: 150M LON: 68 56.68

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
2.3	3.548	31.703	25.2065
3.9	3.549	32.2806	25.6662
4.9	3.55	32.3781	25.7438
5.7	3.55	32.4243	25.7805
6.6	3.548	32.4461	25.7981
7.5	3.549	32.453	25.8035
8.4	3.55	32.4575	25.807
9.3	3.55	32.4594	25.8085
10.2	3.549	32.4611	25.81
11	3.547	32.4615	25.8105
11.9	3.548	32.4636	25.812
12.8	3.556	32.4683	25.815
13.7	3.586	32.4665	25.8108
14.6	3.766	32.4224	25.7588
15.4	3.876	32.4609	25.7789
16.4	3.893	32.5216	25.8255
17.4	3.904	32.5515	25.8482
18.3	3.929	32.5664	25.8576
19.1	3.944	32.5794	25.8665
20.1	4.106	32.5429	25.8216
21.1	4.183	32.5824	25.8452
22	4.214	32.6111	25.8649
22.8	4.253	32.633	25.8783
23.8	4.27	32.6601	25.8982
24.6	4.333	32.6581	25.8902
25.6	4.418	32.6634	25.8856
26.6	4.442	32.6928	25.9064
27.5	4.51	32.6938	25.9001
28.4	4.614	32.6917	25.8875
29.4	4.69	32.7171	25.8996
30.3	4.725	32.7528	25.9241
31.3	4.75	32.7809	25.9437
32.2	4.754	32.8077	25.9645
33.2	4.752	32.8242	25.9778
34.1	4.743	32.835	25.9874
35.1	4.741	32.8376	25.9897
36.1	4.74	32.8381	25.9901
37.1	4.74	32.8376	25.9897
38.2	4.726	32.8463	25.9981
39.2	4.705	32.8515	26.0045
40.2	4.696	32.8483	26.003
41.2	4.687	32.8498	26.0051
42.3	4.662	32.8961	26.0445
43.3	4.662	32.8677	26.022
44.4	4.672	32.8526	26.0089
45.7	4.684	32.847	26.0032

46.7	4.691	32.8813	26.0297
47.8	4.718	32.8597	26.0097
48.8	4.734	32.8584	26.0069
49.9	4.743	32.864	26.0104
50.9	4.766	32.8754	26.0169
52	4.787	32.8761	26.0152
53	4.786	32.887	26.0239
54.5	4.784	32.894	26.0297
55.2	4.791	32.904	26.0369
56.2	4.8	32.8981	26.0312
57.2	4.803	32.8992	26.0318
58.3	4.805	32.899	26.0314
59.4	4.805	32.8961	26.0291
60.3	4.803	32.9	26.0324
61.3	4.667	32.9603	26.0949
62.5	4.605	32.947	26.091
63.4	4.647	32.9002	26.0494
64.4	4.676	32.8987	26.0451
65.5	4.718	32.9005	26.042
66.6	4.742	32.9156	26.0514
67.6	4.77	32.9266	26.0571
68.6	4.807	32.9357	26.0603
69.6	4.818	32.9544	26.0739
70.7	4.785	32.9819	26.0993
71.7	4.771	32.9838	26.1023
72.8	4.806	32.9693	26.087
73.9	4.865	32.9622	26.0749
75.1	4.905	32.9704	26.077
76.3	4.922	32.9864	26.0878
77.1	4.924	33.0013	26.0994
78.2	5.01	32.9766	26.0703
79.3	5.156	32.957	26.0383
80.3	5.273	32.9739	26.0384
81.3	5.322	33.0358	26.0818
82.4	5.336	33.0614	26.1005
83.4	5.336	33.0803	26.1154
84.4	5.34	33.0861	26.1196
85.3	5.349	33.1053	26.1337
86.5	5.354	33.0998	26.1287
87.6	5.357	33.0974	26.1265
88.6	5.362	33.0965	26.1252
89.7	5.365	33.1067	26.1329
90.7	5.364	33.1049	26.1316
91.8	5.367	33.1002	26.1276
92.8	5.368	33.101	26.1281
93.8	5.368	33.1005	26.1277
94.8	5.36	33.1045	26.1318
96	5.367	33.0993	26.1268
96.9	5.365	33.1008	26.1283
98	5.367	33.1005	26.1278
99	5.369	33.1003	26.1275
100.1	5.371	33.1024	26.1288
101.1	5.373	33.1022	26.1284
102.2	5.371	33.1036	26.1298
103.2	5.369	33.1039	26.1303
104.2	5.374	33.1019	26.1281
105.3	5.381	33.1024	26.1277

106.3	5.389	33.1009	26.1255
107.4	5.403	33.1002	26.1234
108.4	5.447	33.0927	26.1123
110.2	5.478	33.0988	26.1135
110.8	5.521	33.1016	26.1107
111.6	5.552	33.1127	26.1158
112.6	5.61	33.1152	26.1109
113.7	5.622	33.1346	26.1248
114.7	5.641	33.1448	26.1306
115.6	5.702	33.1093	26.0952
116.6	5.835	33.1138	26.0827
117.9	5.916	33.143	26.0959
118.8	6.026	33.1617	26.0971
119.8	6.128	33.1914	26.1078
120.9	6.174	33.2308	26.1332
122	6.189	33.2658	26.159
123	6.2	33.2836	26.1716
124	6.208	33.2954	26.1799
125	6.212	33.3021	26.1847
126	6.218	33.3058	26.1869
127.1	6.22	33.31	26.19
128.1	6.224	33.319	26.1965
129.2	6.228	33.3145	26.1925
130	6.239	33.3112	26.1885
131.3	6.242	33.3143	26.1906
132.2	6.25	33.3183	26.1927
133.4	6.269	33.3147	26.1875
134.2	6.276	33.3197	26.1905
135.4	6.286	33.3216	26.1907
136.5	6.292	33.3286	26.1955
137.5	6.288	33.3331	26.1996
138.6	6.279	33.3347	26.202
139.6	6.281	33.3311	26.1989
140.7	6.269	33.339	26.2066
141.6	6.265	33.3369	26.2055
142	6.277	33.3261	26.1954
142.1	6.288	33.3231	26.1916
142.3	6.288	33.3297	26.1968

CRUISE: Oceanus Feb. 1987 STA. NAME: 5b

DATE: 2/17/87 POSITION-
LOC. TIME: 15:21 LAT: 43 15.45
DEPTH: 168M LON: 68 42.78

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
2	3.323	31.8747	25.3632
3.4	3.322	32.2133	25.6331
4	3.327	32.2596	25.6696
4.8	3.328	32.287	25.6913
5.6	3.327	32.2972	25.6995
6.4	3.327	32.3016	25.703
7.3	3.354	32.2958	25.696
8.2	3.358	32.3021	25.7007
9.1	3.359	32.3078	25.7052
9.9	3.358	32.3108	25.7076
10.9	3.357	32.3125	25.709
11.8	3.359	32.3136	25.7098
12.8	3.361	32.3135	25.7095
13.7	3.36	32.3152	25.7109
14.6	3.361	32.3174	25.7126
15.5	3.362	32.3171	25.7122
16.5	3.361	32.3188	25.7137
17.5	3.359	32.319	25.7141
18.5	3.347	32.3233	25.7185
19.5	3.342	32.3217	25.7177
20.5	3.361	32.3143	25.7101
21.5	3.371	32.3134	25.7085
23.2	3.373	32.3189	25.7127
23.8	3.374	32.3223	25.7154
24.7	3.374	32.3243	25.7169
25.7	3.373	32.3247	25.7174
27.2	3.372	32.3262	25.7186
28.1	3.376	32.3241	25.7166
29	3.396	32.3217	25.7128
30.2	3.411	32.3216	25.7115
31.2	3.431	32.3287	25.7153
32.3	3.441	32.3373	25.7213
33.4	3.445	32.3471	25.7287
34.6	3.446	32.3491	25.7302
35.7	3.445	32.3531	25.7335
36.8	3.466	32.3496	25.7287
37.8	3.473	32.3564	25.7335
39	3.49	32.358	25.7332
40.1	3.493	32.3675	25.7406
41.2	3.493	32.3741	25.7458
42.4	3.484	32.3825	25.7533
43.6	3.482	32.3827	25.7536
44.6	3.482	32.3821	25.7532
46.3	3.484	32.3816	25.7526
47.2	3.486	32.3816	25.7524
48.4	3.494	32.3801	25.7505

49.7	3.496	32.3822	25.752
51.2	3.499	32.3844	25.7535
52.6	3.5	32.3851	25.7539
54.1	3.507	32.3833	25.7519
55.5	3.509	32.3842	25.7524
57	3.522	32.3812	25.7488
58.5	3.526	32.386	25.7522
60	3.535	32.3846	25.7503
61.5	3.547	32.3838	25.7486
63.1	3.566	32.3831	25.7463
64.6	3.596	32.3799	25.7409
66	3.644	32.3838	25.7396
67.6	3.669	32.395	25.7462
69.4	3.724	32.3917	25.7384
70.7	3.846	32.3697	25.7092
72.2	3.886	32.4062	25.7344
73.7	3.92	32.4272	25.7479
75.3	3.974	32.4296	25.7445
76.9	4.033	32.4364	25.7441
78.4	4.112	32.4423	25.741
80.1	4.151	32.4651	25.7553
81.6	4.157	32.4878	25.7727
83.1	4.146	32.5073	25.7893
84.5	4.117	32.5235	25.8051
86	4.097	32.5237	25.8072
87.5	4.086	32.5268	25.8108
89.1	4.072	32.5234	25.8094
90.6	4.049	32.5301	25.817
92	4.089	32.5262	25.81
93.6	4.15	32.512	25.7926
95.2	4.183	32.5232	25.7982
96.6	4.249	32.5158	25.7857
98.2	4.414	32.4996	25.7559
99.7	4.705	32.4721	25.7037
101.2	4.951	32.5204	25.7153
102.7	5.208	32.5751	25.73
104.2	5.294	32.6845	25.8069
105.7	5.335	32.7554	25.8584
107.2	5.364	32.7958	25.887
108.8	5.416	32.8136	25.895
110.4	5.493	32.8137	25.8862
111.8	5.551	32.8358	25.8968
112.9	5.595	32.8546	25.9065
114.7	5.673	32.8636	25.9044
116.3	5.74	32.8821	25.9111
117.9	5.815	32.8973	25.9141
118.9	5.85	32.9337	25.9385
120.7	5.916	32.9517	25.9448
122.4	5.995	32.9705	25.9499
124	6.099	32.985	25.9485
125.4	6.183	33.01	25.9577
126.9	6.223	33.0507	25.9849
128.6	6.253	33.0831	26.0067
130.1	6.272	33.1051	26.0216
131.6	6.285	33.1196	26.0314
133.2	6.296	33.1359	26.0429
134.7	6.301	33.1403	26.0458

136.3	6.307	33.1482	26.0512
137.7	6.31	33.1535	26.055
139.3	6.315	33.1578	26.0578
140.8	6.316	33.1628	26.0616
142.4	6.309	33.17	26.0681
143.8	6.304	33.1753	26.0729
145.5	6.29	33.178	26.0769
147	6.284	33.1765	26.0764
148.5	6.275	33.1812	26.0813
150	6.231	33.1932	26.0964
151.7	6.163	33.2074	26.1162
153.2	6.098	33.2311	26.143
154.7	6.107	33.2149	26.129
156.2	6.197	33.1988	26.1051
158.6	6.39	33.1811	26.0665
159.7	6.602	33.2116	26.0632
161.1	6.656	33.3075	26.1318
162.5	6.658	33.3766	26.186
164.7	6.657	33.4085	26.2113
164.7	6.658	33.4065	26.2095

CRUISE: Oceanus Feb. 1987 STA. NAME: 10h

DATE: 2/17/87 POSITION-
 LOC. TIME: 20:12 LAT: 43 28.41
 DEPTH: 129M LON: 68 57.08

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
1.9	4.071	30.7615	24.4095
3.6	4.17	32.2696	25.598
4.6	4.198	32.5021	25.7799
5.6	4.22	32.6136	25.8663
6.7	4.237	32.676	25.9141
7.8	4.275	32.6939	25.9245
8.8	4.276	32.7159	25.9418
10	4.284	32.7542	25.9715
11.2	4.198	32.7888	26.0077
12.2	4.063	32.8173	26.0439
13.4	4.049	32.7764	26.0128
14.6	4.034	32.7589	26.0004
15.7	4.024	32.753	25.9967
16.9	4.021	32.7506	25.9951
18	4.034	32.7477	25.9915
19.3	4.05	32.7322	25.9776
20.5	4.079	32.7427	25.9831
21.6	4.107	32.7566	25.9913
22.9	4.122	32.7704	26.0007
24	4.152	32.7775	26.0034
25.1	4.193	32.7807	26.0018
26.2	4.229	32.79	26.0056
27.4	4.237	32.8096	26.0203
28.5	4.25	32.8113	26.0203
29.6	4.279	32.817	26.0219
30.8	4.284	32.8337	26.0346
32	4.296	32.8422	26.0402
33	4.305	32.8456	26.0419
34.2	4.332	32.8298	26.0266
35.3	4.34	32.847	26.0394
36.5	4.348	32.8536	26.0439
37.6	4.406	32.8432	26.0296
38.8	4.435	32.8569	26.0375
39.8	4.447	32.8725	26.0486
41	4.468	32.8778	26.0506
42.7	4.576	32.8546	26.0208
43.7	4.668	32.8638	26.0183
44.8	4.694	32.8978	26.0425
46	4.733	32.9084	26.0466
47.4	4.758	32.9199	26.0531
48.3	4.78	32.9231	26.0532
49.5	4.793	32.9397	26.065
50.5	4.799	32.9517	26.0739
51.4	4.811	32.9567	26.0765
52.7	4.813	32.9633	26.0815
53.8	4.804	32.9694	26.0873

55	4.813	32.9668	26.0843
56.2	4.827	32.9661	26.0822
57.2	4.837	32.9557	26.0729
58.4	4.844	32.9643	26.0789
59.6	4.859	32.9696	26.0815
60.6	4.867	32.9762	26.0858
61.7	4.869	32.9794	26.0882
62.9	4.867	32.9831	26.0913
64	4.867	32.9883	26.0954
65.1	4.866	32.9888	26.0959
66.2	4.866	32.9882	26.0954
67.4	4.863	32.9894	26.0967
68.6	4.862	32.9875	26.0953
70	4.862	32.9902	26.0975
71	4.861	32.9896	26.0971
72.2	4.859	32.9886	26.0966
73.3	4.859	32.9881	26.0961
74.4	4.86	32.9865	26.0948
75.5	4.86	32.9894	26.0971
76.7	4.861	32.9878	26.0957
77.7	4.862	32.9863	26.0944
78.9	4.863	32.9882	26.0958
79.8	4.868	32.9851	26.0927
81	4.87	32.9871	26.0941
82	4.872	32.9869	26.0938
83.3	4.871	32.9907	26.0969
84.4	4.873	32.9893	26.0956
85.5	4.893	32.9839	26.0891
86.6	4.898	32.9876	26.0915
87.7	4.905	32.9905	26.093
88.7	4.922	32.9893	26.0902
89.9	4.935	33.0023	26.099
91	4.947	33.0014	26.097
92.1	4.97	32.9976	26.0914
93	4.975	33.0049	26.0966
94.2	4.981	33.0076	26.0981
95.4	4.977	33.0132	26.103
96.6	4.96	33.0225	26.1123
97.8	4.934	33.0293	26.1205
99	4.911	33.0342	26.127
100	4.892	33.0272	26.1235
101.1	4.882	33.0204	26.1192
102.3	4.878	33.0145	26.115
103.4	4.881	33.0098	26.1109
104.5	4.875	33.0118	26.1131
105.7	4.881	33.004	26.1063
106.8	4.876	33.0061	26.1086
108	4.867	33.0098	26.1125
109.1	4.865	33.0066	26.1102
110.3	4.861	33.0077	26.1114
111.4	4.856	33.0086	26.1127
112.5	4.853	33.0087	26.1132
113.6	4.851	33.0067	26.1118
114.8	4.851	33.0061	26.1113
115.9	4.851	33.0055	26.1108
117.1	4.85	33.0048	26.1103
118.2	4.851	33.0032	26.109

119.3	4.851	33.0027	26.1085
120.4	4.85	33.0031	26.109
121.6	4.848	33.0045	26.1103
122.4	4.848	33.0041	26.11
122.8	4.847	33.0037	26.1098

CRUISE: Oceanus Feb. 1987 STA. NAME: 11h

DATE: 2/17/87 POSITION-
LOC. TIME: 22:42 LAT: 43 31.20
DEPTH: 134M LON: 69 12.04

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
.1	4.151	18.8684	14.9703
2.6	4.584	29.8256	23.6176
3.9	4.587	31.5081	24.9514
5.1	4.591	32.2907	25.5717
6.9	4.595	32.6541	25.8596
7.5	4.597	32.8239	25.9942
8.7	4.598	32.9049	26.0583
9.5	4.598	32.9429	26.0885
10.7	4.601	32.9602	26.1019
11.6	4.6	32.9724	26.1117
12.8	4.605	32.9703	26.1095
13.8	4.599	32.9792	26.1172
14.9	4.6	32.9811	26.1186
16.1	4.6	32.9817	26.1191
17.2	4.6	32.9834	26.1205
18.3	4.599	32.9862	26.1228
19.5	4.598	32.9866	26.1232
20.6	4.596	32.9985	26.1328
21.7	4.59	33.0004	26.135
22.9	4.588	33.0006	26.1354
23.9	4.587	33.0011	26.1359
25.3	4.585	33.0105	26.1436
26.4	4.582	33.0095	26.143
27.6	4.581	33.0087	26.1425
28.7	4.58	33.0091	26.143
30	4.581	33.0109	26.1443
31.1	4.582	33.0094	26.143
32.3	4.58	33.0119	26.1452
33.5	4.58	33.0113	26.1447
34.7	4.58	33.0118	26.1451
35.8	4.58	33.0113	26.1447
37.1	4.58	33.0118	26.1451
38.2	4.58	33.0124	26.1456
39.4	4.581	33.0119	26.1451
40.6	4.579	33.0145	26.1473
41.7	4.576	33.0169	26.1496
43	4.574	33.0171	26.1499
44.1	4.573	33.0163	26.1494
45.4	4.573	33.0156	26.1489
46.7	4.572	33.0148	26.1483
47.9	4.572	33.0154	26.1488
49.2	4.572	33.0147	26.1482
50.4	4.572	33.0152	26.1487
51.5	4.572	33.0147	26.1482
52.7	4.569	33.017	26.1504
54.2	4.566	33.0181	26.1516

55.2	4.565	33.0081	26.1438
56.2	4.565	33.0134	26.148
57.3	4.563	33.016	26.1503
58.7	4.563	33.0165	26.1506
59.8	4.561	33.0191	26.1529
60.9	4.566	33.0135	26.1479
62	4.56	33.0189	26.1529
63.2	4.559	33.0193	26.1533
64.3	4.559	33.0211	26.1547
65.6	4.559	33.0192	26.1532
66.6	4.558	33.0197	26.1537
67.8	4.559	33.0204	26.1542
69	4.56	33.0223	26.1556
70.4	4.56	33.0251	26.1578
71.5	4.561	33.0247	26.1573
72.8	4.562	33.023	26.1559
73.9	4.561	33.0246	26.1573
75.1	4.561	33.024	26.1568
76.3	4.561	33.0234	26.1563
77.5	4.561	33.0239	26.1567
78.6	4.562	33.0235	26.1563
79.8	4.562	33.0217	26.1549
80.9	4.561	33.0233	26.1563
82.1	4.562	33.0229	26.1558
83.2	4.561	33.0245	26.1572
84.3	4.561	33.0239	26.1567
85.5	4.561	33.0245	26.1572
86.7	4.561	33.0239	26.1567
87.8	4.56	33.0243	26.1571
88.9	4.557	33.0255	26.1585
90.2	4.555	33.0257	26.1588
91.2	4.553	33.026	26.1593
92.2	4.553	33.0267	26.1598
93.5	4.552	33.0398	26.1703
94.7	4.552	33.0322	26.1643
95.9	4.552	33.0281	26.161
97.2	4.551	33.0284	26.1614
98.2	4.552	33.0258	26.1592
99.3	4.552	33.0264	26.1596
100.5	4.552	33.0258	26.1592
101.5	4.552	33.0252	26.1587
102.7	4.551	33.0291	26.1619
103.8	4.553	33.0254	26.1588
104.9	4.553	33.0248	26.1583
106.1	4.551	33.0262	26.1596
107.2	4.548	33.0286	26.1619
108.3	4.549	33.0247	26.1587
109.6	4.546	33.0271	26.1608
110.5	4.544	33.0286	26.1623
111.8	4.544	33.0279	26.1617
112.9	4.545	33.0275	26.1613
113.9	4.545	33.0282	26.1618
115.5	4.545	33.0285	26.1621
116.4	4.545	33.0292	26.1627
117.5	4.546	33.0288	26.1622
118.6	4.543	33.0301	26.1636
119.8	4.544	33.0297	26.1631

120.9	4.542	33.0299	26.1635
122	4.542	33.0294	26.1631
123.3	4.542	33.0287	26.1626
124.4	4.542	33.0281	26.1621
125.5	4.542	33.0287	26.1626
126.6	4.542	33.0258	26.1603
127.8	4.543	33.0266	26.1607
128.6	4.543	33.0296	26.1632
128.8	4.544	33.0285	26.1622

CRUISE: Oceanus Feb. 1987 STA. NAME: 12h

DATE: 2/18/87 POSITION-
LOC. TIME: 12:15 LAT: 43 37.05
DEPTH: 122M LON: 69 22.83

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
2.2	3.958	32.9611	26.1687
3.8	3.965	32.9615	26.1683
4.7	3.965	32.9622	26.1689
5.6	3.955	32.9682	26.1747
6.5	3.951	32.9682	26.1751
7.5	3.965	32.9595	26.1667
8.5	3.968	32.9643	26.1702
9.4	3.969	32.9651	26.1708
10.4	3.966	32.9629	26.1693
11.3	3.967	32.9697	26.1747
12.2	3.969	32.9684	26.1734
13.2	3.97	32.9728	26.1768
14.2	3.969	32.9685	26.1735
15.1	3.969	32.9681	26.1732
16.1	3.969	32.9675	26.1727
17.3	3.97	32.9695	26.1742
18.4	3.974	32.9648	26.1701
19.4	3.971	32.9673	26.1724
20.5	3.97	32.9678	26.1728
21.7	3.97	32.9742	26.178
22.8	3.972	32.9693	26.1738
23.6	3.975	32.9694	26.1736
24.8	3.985	32.967	26.1707
26	3.997	32.972	26.1735
27.1	4.005	32.9705	26.1715
28.2	4.003	32.9743	26.1747
29.2	4.008	32.9746	26.1745
30.4	4.007	32.975	26.1749
31.4	4.005	32.9777	26.1772
32.4	4.006	32.9785	26.1778
33.5	4.008	32.9759	26.1755
34.5	4.008	32.9742	26.1742
35.5	4.009	32.9739	26.1738
36.6	4.006	32.9834	26.1817
37.6	4.03	32.9753	26.1728
38.8	4.035	32.9767	26.1734
39.8	4.038	32.9802	26.176
41	4.042	32.9791	26.1747
41.9	4.028	32.988	26.1831
42.9	4.037	32.9855	26.1803
44	4.049	32.9811	26.1756
45	4.048	32.9816	26.1761
46.1	4.038	32.9852	26.1799
47.1	4.034	33.0265	26.2131
48.1	4.034	33.0012	26.193
49.2	4.022	32.9914	26.1864

50.3	4.018	32.9854	26.1821
51.5	4.02	33.0005	26.1939
52.4	4.028	32.992	26.1863
53.5	4.034	32.9854	26.1804
55.1	4.048	32.9811	26.1756
55.8	4.059	32.985	26.1776
56.6	4.061	32.9837	26.1764
57.6	4.067	32.9807	26.1734
58.6	4.068	32.9827	26.1749
59.5	4.071	32.9804	26.1728
60.4	4.074	32.9816	26.1735
61.3	4.076	32.9839	26.1751
62.3	4.078	32.9837	26.1747
63.3	4.079	32.9786	26.1706
64.2	4.072	32.9852	26.1765
65.2	4.066	32.9872	26.1787
66.1	4.066	32.9844	26.1764
67.1	4.064	32.9858	26.1778
68.2	4.06	32.9775	26.1716
69.1	4.06	32.9794	26.1731
70.2	4.06	32.9824	26.1754
71.2	4.06	32.983	26.176
72.2	4.062	32.9828	26.1756
73.2	4.062	32.9835	26.1762
74.1	4.061	32.9829	26.1757
75.1	4.058	32.9842	26.1771
76.1	4.058	32.9742	26.1692
77.1	4.063	32.9793	26.1727
77.6	4.074	32.9762	26.1692

CRUISE: Oceanus Feb. 1987 STA. NAME: 13h

DATE: 2/18/87 POSITION-
LOC. TIME: 07:00 LAT: 43 43.01
DEPTH: 63M LON: 69 33.78

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
.6	2.368	32.4417	25.8948
1.8	2.4	32.4516	25.9002
2.6	2.42	32.4641	25.9086
3.3	2.41	32.485	25.9261
4.2	2.42	32.4928	25.9316
5.1	2.428	32.5026	25.9388
5.9	2.428	32.5194	25.9523
6.7	2.421	32.536	25.966
7.6	2.415	32.5478	25.9759
8.5	2.415	32.5571	25.9834
9.4	2.431	32.5575	25.9825
10.3	2.423	32.5726	25.9952
11.2	2.431	32.5775	25.9985
12	2.424	32.5891	26.0083
12.8	2.428	32.592	26.0103
13.7	2.431	32.5983	26.0151
14.9	2.415	32.6116	26.027
15.6	2.401	32.6193	26.0343
16.3	2.397	32.6453	26.0553
17.3	2.377	32.6405	26.0531
18.2	2.379	32.6306	26.045
19.1	2.375	32.6391	26.0521
19.9	2.389	32.6478	26.058
20.9	2.364	32.6655	26.0741
21.6	2.358	32.6675	26.0762
22.7	2.357	32.6667	26.0756
23.6	2.353	32.6815	26.0877
24.6	2.348	32.6786	26.0858
25.2	2.348	32.6771	26.0846
26.3	2.349	32.6767	26.0842
27.2	2.349	32.6749	26.0828
28.2	2.348	32.6779	26.0852
28.8	2.374	32.6682	26.0754
29.8	2.421	32.6601	26.0653
30.8	2.421	32.6781	26.0797
31.8	2.434	32.6839	26.0833
32.7	2.505	32.6649	26.0625
33.6	2.597	32.6588	26.0502
34.5	2.621	32.6889	26.0723
35.3	2.628	32.7083	26.0872
36.4	2.64	32.7126	26.0897
37.2	2.625	32.7324	26.1067
38	2.626	32.7285	26.1035
38.8	2.633	32.727	26.1018
39.8	2.642	32.7295	26.103
40.7	2.646	32.7311	26.1039

41.6	2.673	32.7262	26.0979
42.4	2.676	32.735	26.1046
43.4	2.669	32.744	26.1124
44.3	2.699	32.73	26.0988
45.1	2.753	32.7148	26.0821
45.8	2.753	32.7376	26.1004
46.2	2.763	32.7406	26.1019

CRUISE: Oceanus Feb. 1987 STA. NAME: SB

DATE: 2/18/87 POSITION-
LOC. TIME: 08:30 LAT: 43 47.51
DEPTH: 50M LON: 69 41.41

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
0	2.309	29.783	23.7737
1	2.38	31.2069	24.9067
1.6	2.411	31.4398	25.0906
2.3	2.464	31.5821	25.2002
3.1	2.483	31.6866	25.2823
3.9	2.49	31.7528	25.3347
4.6	2.577	31.8017	25.367
5.5	2.625	31.8732	25.4204
6.3	2.632	31.9379	25.4715
6.7	2.647	31.9777	25.5021
7.7	2.732	31.9972	25.5108
8.6	2.792	32.0221	25.5258
9.4	2.875	32.0847	25.5689
10.2	2.932	32.1668	25.6298
11.1	2.975	32.3512	25.7732
11.9	2.986	32.4549	25.855
12.7	2.993	32.5177	25.9046
13.6	3.008	32.5555	25.9334
14.4	3.015	32.5795	25.9519
15.2	3.015	32.5681	25.9429
16.1	3.018	32.5876	25.9582
16.3	3.016	32.6041	25.9715
17.5	3.013	32.6114	25.9775
18.5	3.009	32.6282	25.9913
19.4	3.01	32.6243	25.9881
20.3	3.017	32.6228	25.9863
21.1	3.021	32.628	25.9901
21.9	2.994	32.6525	26.012
22.8	2.975	32.6543	26.0151
23.6	2.972	32.6472	26.0097
24.4	2.971	32.6466	26.0093
25.2	2.977	32.6437	26.0065
26.1	2.997	32.6412	26.0027
27	2.999	32.6508	26.0102
27.8	3.016	32.644	26.0034
28.6	3.04	32.6423	25.9999
29.4	3.076	32.6417	25.9963
30.2	3.126	32.6355	25.987
31	3.167	32.6395	25.9866
31.8	3.205	32.6513	25.9927
32.7	3.228	32.6674	26.0034
33.5	3.264	32.6668	25.9997
34.3	3.286	32.6802	26.0085
35.1	3.293	32.6944	26.0191
35.9	3.322	32.6683	25.9957
36.7	3.424	32.6647	25.9836

37.4	3.445	32.7007	26.0104
38.3	3.518	32.6998	26.0029
39.1	3.542	32.7242	26.0201
40	3.548	32.7428	26.0343
40.7	3.559	32.7517	26.0404
41.6	3.542	32.7671	26.0543
42.6	3.561	32.7367	26.0283
43.4	3.568	32.7531	26.0407
43.6	3.576	32.7617	26.0468
44.8	3.576	32.7742	26.0567
45.4	3.573	32.7769	26.0592

CRUISE: Oceanus Feb. 1987 STA. NAME: PB

DATE: 2/18/87 POSITION-
LOC. TIME: 13:00 LAT: 43 57.26
DEPTH: 35M LON: 69 8.29

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
2.4	.541	32.189	25.811
3.5	.52	32.2609	25.87
4.1	.518	32.2705	25.8777
4.7	.518	32.2792	25.8848
5.4	.517	32.2889	25.8927
6.1	.515	32.2945	25.8973
6.8	.513	32.2988	25.9008
7.5	.513	32.301	25.9026
8.3	.513	32.3018	25.9033
9	.526	32.2995	25.9007
9.8	.529	32.3037	25.9039
10.5	.546	32.3062	25.9051
11.3	.569	32.3115	25.9081
12	.568	32.3251	25.9191
12.7	.569	32.3289	25.9221
13.5	.6	32.3219	25.9148
14.3	.606	32.3423	25.9309
15.1	.619	32.3541	25.9397
15.9	.733	32.321	25.9069
16.7	.882	32.3274	25.9036
17.6	.961	32.3729	25.9356
18.5	1.014	32.4184	25.969
19.3	1.028	32.4699	26.0096
20.1	.956	32.5306	26.0626
21	.89	32.5569	26.0876
21.9	.877	32.5494	26.0824
22.7	.845	32.5555	26.0892
23.5	.838	32.547	26.0827
24.4	.818	32.5546	26.0899
25.3	.767	32.569	26.1044
26	.768	32.5547	26.0928
26.8	.745	32.5642	26.1018
27.7	.741	32.5627	26.1009
28.6	.78	32.5431	26.0829
29.2	.787	32.5483	26.0867
29.5	.784	32.5539	26.0913
29.7	.792	32.5634	26.0985
29.7	.777	32.5714	26.1058
29.8	.785	32.563	26.0986
29.8	.798	32.5699	26.1034
29.9	.815	32.5701	26.1026
29.9	.827	32.5678	26.1

CRUISE: Oceanus Feb. 1987 STA. NAME: 4b

DATE: 2/18/87 POSITION-
LOC. TIME: 17:05 LAT: 43 31.52
DEPTH: 138M LON: 68 49.5

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
1.7	3.224	32.0628	25.5218
3	3.23	32.2643	25.6819
3.8	3.234	32.2936	25.7049
4.4	3.232	32.3098	25.718
5.1	3.225	32.3236	25.7296
5.8	3.225	32.3281	25.7332
6.5	3.227	32.3317	25.7359
7.3	3.233	32.3325	25.736
8	3.233	32.3345	25.7376
8.6	3.232	32.3352	25.7383
9.4	3.228	32.3388	25.7415
10.1	3.229	32.341	25.7432
10.9	3.29	32.3253	25.7253
11.6	3.328	32.3327	25.7277
12.3	3.333	32.3525	25.7431
13	3.36	32.3516	25.7399
13.8	3.413	32.3546	25.7375
14.5	3.503	32.3578	25.7319
15.3	3.545	32.3872	25.7515
16.1	3.635	32.4081	25.7597
16.8	3.652	32.4503	25.7918
17.6	3.669	32.4758	25.8105
18.4	3.685	32.4928	25.8224
19.1	3.693	32.507	25.833
19.9	3.697	32.5181	25.8415
20.7	3.704	32.5226	25.8444
21.5	3.71	32.5257	25.8463
22.3	3.704	32.5348	25.8541
23	3.711	32.5346	25.8533
23.8	3.711	32.5366	25.8549
24.6	3.715	32.5393	25.8566
25.3	3.726	32.5363	25.8532
26.1	3.724	32.5414	25.8575
26.8	3.727	32.5428	25.8583
27.6	3.727	32.546	25.8608
28.4	3.73	32.5461	25.8606
29.2	3.739	32.5474	25.8608
30	3.756	32.5455	25.8577
30.9	3.769	32.5498	25.8599
31.7	3.781	32.5553	25.8631
32.7	3.783	32.5622	25.8684
33.7	3.792	32.5658	25.8704
34.6	3.805	32.5701	25.8726
35.6	3.832	32.5712	25.8708
36.6	3.861	32.5749	25.871
37.7	3.868	32.5887	25.8813

38.8	3.865	32.5994	25.8901
39.8	3.876	32.5997	25.8893
40.7	3.895	32.5981	25.8862
41.7	3.914	32.6035	25.8886
42.6	3.949	32.6	25.8825
43.5	3.977	32.6071	25.8854
44.5	3.998	32.6164	25.8907
45.5	4.02	32.627	25.8969
46.4	4.037	32.6379	25.9039
47.3	4.076	32.6364	25.8988
48.4	4.113	32.6414	25.8991
49.3	4.149	32.6474	25.9003
50.3	4.157	32.6672	25.9152
51.2	4.164	32.6786	25.9236
52.1	4.168	32.6835	25.9271
53.2	4.197	32.6788	25.9204
54	4.243	32.6796	25.9164
55	4.281	32.6835	25.9157
55.9	4.31	32.6976	25.9239
57	4.361	32.7026	25.9226
57.9	4.476	32.6921	25.9023
58.8	4.605	32.6932	25.8897
59.7	4.659	32.7335	25.9158
60.7	4.675	32.7705	25.9435
61.7	4.688	32.7907	25.9582
62.7	4.714	32.797	25.9603
63.7	4.726	32.8101	25.9694
64.7	4.729	32.824	25.9801
65.6	4.726	32.8369	25.9907
66.7	4.719	32.8456	25.9984
67.7	4.714	32.8489	26.0015
68.8	4.713	32.8493	26.002
69.8	4.709	32.8516	26.0042
70.9	4.704	32.8537	26.0064
71.9	4.704	32.852	26.0051
73.1	4.638	32.8809	26.0351
74.3	4.613	32.8737	26.032
75.4	4.604	32.8647	26.0258
76.4	4.597	32.8583	26.0215
77.5	4.572	32.8652	26.0296
78.5	4.557	32.8621	26.0287
79.6	4.547	32.8587	26.0271
80.6	4.536	32.8574	26.0273
81.6	4.531	32.8549	26.0258
82.7	4.508	32.8609	26.033
83.8	4.497	32.8585	26.0322
84.8	4.486	32.8561	26.0314
85.8	4.499	32.8473	26.0231
86.9	4.477	32.8593	26.0349
87.9	4.455	32.8632	26.0403
88.9	4.437	32.863	26.0421
89.9	4.454	32.8468	26.0274
91.1	4.452	32.8505	26.0306
92.1	4.443	32.8543	26.0345
93.1	4.453	32.8473	26.0279
94.1	4.446	32.8526	26.0329
95.2	4.453	32.8474	26.028

96.3	4.494	32.8341	26.0131
97.3	4.496	32.8479	26.0239
98.3	4.515	32.8471	26.0213
99.4	4.529	32.8501	26.0222
100.5	4.529	32.8577	26.0282
101.5	4.591	32.841	26.0084
102.5	4.615	32.8539	26.0161
103.6	4.634	32.8623	26.0207
104.6	4.62	32.8815	26.0375
105.7	4.588	32.8976	26.0537
106.7	4.516	32.9164	26.0762
107.8	4.465	32.9107	26.077
108.8	4.44	32.8954	26.0675
109.8	4.421	32.8881	26.0637
110.8	4.405	32.8813	26.06
112	4.432	32.862	26.0418
112.9	4.311	32.9226	26.1024
113.9	4.23	32.9104	26.1011
115	4.209	32.8792	26.0784
116.1	4.232	32.8474	26.0508
117.1	4.237	32.8419	26.046
118	4.243	32.8402	26.044
119.2	4.205	32.854	26.0588
120.2	4.364	32.7853	25.9879
121.3	4.426	32.8049	25.9971
122.3	4.361	32.8655	26.052
123.3	4.284	32.8903	26.0796
124.3	4.31	32.8557	26.0494
125.5	4.381	32.8334	26.0244
126.5	4.433	32.8361	26.0211
127.5	4.491	32.8397	26.0179
128.5	4.615	32.8209	25.9899
129.6	4.824	32.7909	25.9436
130.6	4.965	32.83	25.9592
131.7	5	32.8962	26.0077
132.2	5.008	32.9467	26.0468
132.3	4.997	32.9656	26.063

CRUISE: Oceanus Feb. 1987 STA. NAME: 14h

DATE: 2/19/87 POSITION-
LOC. TIME: 04:00 LAT: 49 .99
DEPTH: 150M LON: 67 49.17

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
.1	-2.031	48.2862	39.0282
.4	3.14	27.5041	21.8967
.7	3.234	29.603	23.561
1.3	3.217	30.8086	24.5229
2.2	3.235	31.4499	25.0324
3	3.227	31.8055	25.3164
3.8	3.223	32.0122	25.4815
4.7	3.223	32.1332	25.578
5.6	3.223	32.2013	25.6323
6.5	3.22	32.2496	25.6711
7.4	3.225	32.2766	25.6922
8.4	3.229	32.2986	25.7093
9.4	3.226	32.3179	25.725
10.3	3.225	32.3293	25.7341
11.3	3.228	32.3402	25.7426
12.3	3.232	32.3489	25.7492
13.4	3.233	32.357	25.7555
14.3	3.233	32.3649	25.7618
15.4	3.233	32.3716	25.7671
16.4	3.232	32.3781	25.7724
17.5	3.233	32.3825	25.7759
18.5	3.235	32.386	25.7785
19.6	3.233	32.3922	25.7836
20.7	3.234	32.3955	25.7861
21.9	3.233	32.4006	25.7903
23	3.228	32.4087	25.7972
24.2	3.227	32.4151	25.8024
25.4	3.22	32.4251	25.8109
26.8	3.22	32.428	25.8132
28	3.205	32.4448	25.828
29.2	3.197	32.4582	25.8394
30.4	3.187	32.4749	25.8535
31.7	3.18	32.4909	25.8669
33	3.177	32.498	25.8729
34.1	3.173	32.5171	25.8885
35.3	3.181	32.5434	25.9087
36.6	3.221	32.5567	25.9158
37.7	3.237	32.5737	25.9279
38.9	3.242	32.5861	25.9374
40.1	3.241	32.5961	25.9455
41.4	3.239	32.6011	25.9496
42.6	3.237	32.6037	25.9518
43.8	3.236	32.6052	25.9532
45.2	3.235	32.6067	25.9544
46.5	3.235	32.6084	25.9558
47.7	3.235	32.609	25.9562

48.9	3.234	32.6106	25.9576
50.1	3.233	32.6122	25.9589
51.2	3.234	32.6118	25.9585
52.5	3.233	32.6121	25.9589
53.7	3.233	32.6151	25.9613
54.9	3.234	32.6146	25.9608
56	3.234	32.6152	25.9613
57.2	3.234	32.617	25.9627
58.4	3.234	32.6176	25.9632
59.5	3.235	32.6184	25.9637
60.7	3.235	32.619	25.9642
61.9	3.234	32.6206	25.9655
62.9	3.234	32.6212	25.9661
64.2	3.233	32.6228	25.9674
65.4	3.232	32.6243	25.9687
66.5	3.23	32.6258	25.9701
67.6	3.229	32.6262	25.9705
68.8	3.228	32.6266	25.9709
69.8	3.227	32.6295	25.9733
71.1	3.227	32.63	25.9737
72.3	3.227	32.6305	25.9741
73.5	3.229	32.6303	25.9738
74.5	3.229	32.6322	25.9753
75.7	3.229	32.6327	25.9757
77.1	3.229	32.6332	25.9761
78.4	3.228	32.6347	25.9774
79.6	3.228	32.6341	25.9769
80.6	3.227	32.6358	25.9783
81.9	3.225	32.6359	25.9786
83.2	3.221	32.6381	25.9806
84.6	3.219	32.6381	25.9809
85.9	3.218	32.6385	25.9812
87.2	3.218	32.6378	25.9807
88.6	3.214	32.6411	25.9837
90.1	3.201	32.6425	25.986
91.4	3.177	32.6504	25.9944
92.8	3.169	32.6457	25.9913
94.2	3.157	32.645	25.9919
95.6	3.132	32.6466	25.9953
96.9	3.112	32.648	25.9982
98.3	3.108	32.6416	25.9935
99.7	3.086	32.6486	26.001
101	3.087	32.6433	25.9966
102.3	3.076	32.6465	26.0001
103.6	3.065	32.6473	26.0017
104.9	3.058	32.6476	26.0026
106.3	3.043	32.6487	26.0048
107.6	3.035	32.6489	26.0056
109	3.032	32.6439	26.0019
110.2	3.025	32.6455	26.0038
111.5	3.019	32.6461	26.0047
112.9	3.015	32.6445	26.0038
114.2	3.016	32.6416	26.0014
115.5	3.014	32.6429	26.0027
116.7	3.014	32.6423	26.0021
118.1	3.015	32.6418	26.0016
119.5	3.013	32.6418	26.0019

120.6	3.004	32.6467	26.0065
121.8	2.999	32.6487	26.0086
123.1	3.002	32.6486	26.0082
124.4	3.003	32.6493	26.0087
125.7	3.004	32.6525	26.0111
127	3.007	32.6524	26.0108
128.3	3.115	32.6199	25.9755
129.5	3.171	32.6496	25.9943
130.8	3.264	32.6538	25.9894
132	3.319	32.6759	26.002
133.3	3.37	32.6862	26.0056
134.6	3.421	32.7109	26.0206
135.8	3.668	32.6782	25.9716
137	3.926	32.6852	25.9524
138.2	3.99	32.7694	26.0131
139.5	4.054	32.8062	26.036
140.7	4.095	32.8423	26.0606
141.9	4.194	32.8486	26.0556
142.6	4.194	32.8952	26.0927
143.2	4.221	32.909	26.1009

CRUISE: Oceanus Feb. 1987 STA. NAME: 15b

DATE: 2/19/87 POSITION-
LOC. TIME: 06:50 LAT: 44 13.51
DEPTH: 108M LON: 67 46.06

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
2.6	3.157	21.7506	17.3168
4.7	3.159	30.0196	23.899
5.8	3.159	31.3334	24.946
6.9	3.153	31.9499	25.4379
8.1	3.153	32.2385	25.6681
9.1	3.146	32.3922	25.7912
10.3	3.143	32.4658	25.8502
11.3	3.144	32.5041	25.8807
12.4	3.143	32.5287	25.9003
13.5	3.146	32.5408	25.9097
14.7	3.149	32.5492	25.9162
15.8	3.15	32.5561	25.9215
17	3.154	32.5623	25.9261
18.2	3.153	32.5663	25.9294
19.4	3.151	32.5701	25.9326
20.6	3.145	32.5755	25.9375
21.8	3.142	32.5779	25.9396
22.9	3.142	32.5797	25.9411
24	3.143	32.5805	25.9416
25.3	3.14	32.5865	25.9467
26.5	3.141	32.5897	25.9491
27.6	3.144	32.5909	25.9498
28.8	3.147	32.592	25.9505
29.9	3.146	32.5973	25.9548
31.1	3.149	32.5972	25.9545
32.3	3.146	32.6008	25.9576
33.5	3.146	32.6026	25.959
34.7	3.143	32.605	25.9612
35.8	3.139	32.6061	25.9624
37	3.131	32.6087	25.9652
38.2	3.124	32.6091	25.9661
39.4	3.13	32.606	25.9631
40.6	3.14	32.6037	25.9604
42	3.144	32.605	25.9611
43.2	3.143	32.609	25.9643
44.6	3.142	32.6116	25.9666
45.7	3.143	32.6112	25.9662
46.9	3.129	32.6223	25.9762
48	3.124	32.6256	25.9793
49.3	3.18	32.6046	25.9576
50.6	3.175	32.6198	25.9701
51.7	3.2	32.6193	25.9675
52.9	3.234	32.6169	25.9626
54	3.276	32.6161	25.9582
55.4	3.296	32.6265	25.9647
56.5	3.311	32.6384	25.9729

57.7	3.345	32.6408	25.9717
58.8	3.367	32.6493	25.9765
60.1	3.429	32.6414	25.9645
61.2	3.483	32.6499	25.9664
62.4	3.527	32.6601	25.9704
63.5	3.513	32.6891	25.9949
64.8	3.527	32.6887	25.9932
66	3.558	32.6844	25.9869
67.2	3.587	32.6893	25.9881
68.3	3.619	32.6923	25.9875
69.6	3.656	32.695	25.9862
71	3.681	32.7025	25.9898
72.2	3.69	32.7143	25.9983
73.4	3.658	32.7339	26.0169
74.7	3.635	32.7385	26.0227
75.9	3.735	32.6934	25.9774
77.1	3.771	32.7078	25.9854
78.3	3.823	32.7109	25.9828
79.4	3.845	32.7262	25.9929
80.6	3.863	32.736	25.999
81.8	3.877	32.7379	25.9991
83	3.973	32.7206	25.9759
84.2	3.986	32.7471	25.9958
85.4	3.99	32.7625	26.0076
86.6	3.988	32.771	26.0146
87.8	3.989	32.7753	26.0179
89	3.994	32.7768	26.0185
90.1	3.996	32.7789	26.0201
91.3	3.996	32.783	26.0233
92.6	3.997	32.7849	26.0247
93.8	3.997	32.7842	26.0242
94.9	4.007	32.7819	26.0214
96.1	4.017	32.7808	26.0195
97.3	4.029	32.7811	26.0186
98.5	4.024	32.7878	26.0244
99.8	4.029	32.7881	26.0241
100.9	4.03	32.7889	26.0246

CRUISE: Oceanus Feb. 1987 STA. NAME: 16h

DATE: 2/19/87 POSITION-
LOC. TIME: LAT: 44 13.4
DEPTH: LON: 67 58.5

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
2.5	3.175	32.41	25.8029
4.1	3.177	32.5628	25.9246
4.9	3.175	32.5898	25.9462
5.9	3.174	32.6059	25.9592
6.8	3.174	32.6127	25.9646
7.7	3.175	32.6197	25.9701
8.6	3.177	32.622	25.9717
9.5	3.176	32.6274	25.9761
10.4	3.177	32.6295	25.9777
11.3	3.179	32.6318	25.9794
12.2	3.178	32.6239	25.9732
13.1	3.173	32.6333	25.9811
14.1	3.177	32.6348	25.9819
15	3.179	32.6383	25.9846
16	3.18	32.6404	25.9861
16.9	3.181	32.6401	25.9858
17.8	3.18	32.6418	25.9873
18.8	3.181	32.6415	25.9869
19.8	3.184	32.6416	25.9867
20.7	3.186	32.6415	25.9865
21.6	3.184	32.643	25.9879
22.5	3.183	32.6447	25.9893
23.5	3.184	32.6456	25.99
24.4	3.187	32.6445	25.9888
25.3	3.188	32.6442	25.9885
26.1	3.186	32.647	25.9909
27.1	3.185	32.6475	25.9914
28.1	3.187	32.6474	25.9911
29	3.188	32.6471	25.9908
29.8	3.188	32.6479	25.9914
30.8	3.187	32.6496	25.9928
31.8	3.186	32.6512	25.9943
32.8	3.186	32.6519	25.9948
33.6	3.187	32.6517	25.9945
34.4	3.187	32.6537	25.9961
35.3	3.186	32.6542	25.9966
36.3	3.186	32.6549	25.9972
37.3	3.186	32.6556	25.9977
38.1	3.185	32.6561	25.9983
39	3.18	32.6583	26.0004
39.8	3.179	32.6589	26.0001
40.8	3.179	32.6596	26.0015
41.8	3.178	32.66	26.002
42.8	3.174	32.6624	26.0042
43.8	3.176	32.6622	26.0039
44.8	3.177	32.6619	26.0035

45.7	3.179	32.6606	26.0023
46.7	3.18	32.6602	26.002
47.5	3.179	32.662	26.0035
48.4	3.175	32.6632	26.0048
49.3	3.173	32.6659	26.0071
50.3	3.172	32.67	26.0105
51.2	3.171	32.6718	26.012
52.1	3.171	32.6725	26.0125
52.9	3.172	32.6735	26.0132
53.8	3.174	32.6734	26.013
54.7	3.173	32.6751	26.0145
55.6	3.172	32.6757	26.015
56.4	3.172	32.6752	26.0146
57	3.172	32.6773	26.0163

CRUISE: Oceanus Feb. 1987 STA. NAME: 17h

DATE: 2/19/87 POSITION-
LOC. TIME: 09:46 LAT: 44 17.99
DEPTH: 61M LON: 68 1.76

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
2.2	1.965	30.6358	24.4791
3.4	1.97	31.9645	25.5425
3.9	1.973	32.1566	25.6961
4.5	1.975	32.3212	25.8277
5.1	1.974	32.4153	25.9032
5.7	1.976	32.4591	25.9381
6.3	1.972	32.4841	25.9584
6.9	1.975	32.4956	25.9674
7.7	1.979	32.5023	25.9725
8.2	1.98	32.5097	25.9783
8.9	1.979	32.5153	25.9829
9.5	1.976	32.5206	25.9873
10.2	1.981	32.5238	25.9895
10.9	1.98	32.5269	25.9921
11.4	1.981	32.5294	25.994
12	1.977	32.5331	25.9973
12.6	1.979	32.5333	25.9973
13.3	1.982	32.5373	26.0003
13.9	1.983	32.5396	26.0021
14.4	1.983	32.5419	26.0039
15.1	1.983	32.544	26.0056
15.8	1.983	32.5448	26.0062
16.5	1.982	32.5467	26.0078
17.1	1.982	32.5514	26.0116
17.8	1.988	32.5498	26.0099
18.5	1.988	32.5519	26.0116
19.1	1.988	32.5541	26.0133
19.8	1.989	32.5564	26.0151
20.4	1.989	32.5573	26.0158
21.1	1.983	32.5594	26.0179
21.7	1.961	32.563	26.0224
22.4	1.947	32.5645	26.0246
23	1.944	32.5635	26.0241
23.7	1.95	32.5645	26.0244
24.3	1.975	32.5584	26.0177
25	1.983	32.5585	26.0172
25.6	1.978	32.562	26.0204
26.3	1.969	32.5672	26.0252
26.9	1.959	32.5672	26.0259
27.5	1.959	32.5693	26.0276
28.2	1.952	32.5724	26.0306
28.8	1.954	32.5713	26.0295
29.5	1.952	32.5704	26.029
30.1	1.951	32.5711	26.0296
30.8	1.952	32.5722	26.0304
31.4	1.955	32.5738	26.0315

32	1.955	32.5747	26.0322
32.7	1.958	32.575	26.0322
33.3	1.959	32.5749	26.032
34	1.959	32.577	26.0337
34.5	1.961	32.5771	26.0337
35.2	1.96	32.5778	26.0343
35.9	1.956	32.5815	26.0376
36.5	1.956	32.5812	26.0373
37.1	1.955	32.5831	26.039
37.7	1.948	32.5863	26.042
38.5	1.943	32.5935	26.0481
39.1	1.953	32.5916	26.0459
39.7	1.958	32.5923	26.0461
40.3	1.961	32.5951	26.0481
41	1.947	32.6017	26.0544
41.7	1.948	32.599	26.0522
42.4	1.941	32.5971	26.0512
43	1.935	32.5992	26.0533
43.6	1.934	32.6012	26.0549
44.3	1.934	32.6033	26.0566
45.1	1.937	32.601	26.0546
46	1.933	32.6034	26.0568
46.5	1.937	32.6052	26.058
47.1	1.94	32.6031	26.056
47.8	1.929	32.6103	26.0626
48.5	1.936	32.6052	26.058
49.2	1.945	32.603	26.0556
49.7	1.947	32.6019	26.0546
50.3	1.947	32.6053	26.0573
51.1	1.95	32.6055	26.0573
51.8	1.953	32.6058	26.0572
52.3	1.955	32.6072	26.0582
52.8	1.956	32.6084	26.0591
53.6	1.951	32.6106	26.0612
54.2	1.949	32.6111	26.0618
54.8	1.947	32.6128	26.0633
55.4	1.95	32.6106	26.0614
56	1.952	32.6107	26.0613
56.8	1.953	32.6105	26.061
57.2	1.959	32.6091	26.0595

CRUISE: Oceanus Feb. 1987 STA. NAME: 16b

DATE: 2/19/87 POSITION-
LOC. TIME: 12:18 LAT: 43 56.7
DEPTH: 103M LON: 68 22.1

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
1.5	3.509	32.5583	25.8911
2.4	3.506	32.6004	25.9248
3.1	3.507	32.6086	25.9312
3.7	3.504	32.6172	25.9384
4.4	3.502	32.6237	25.9437
5.3	3.505	32.631	25.9493
6.1	3.505	32.6377	25.9546
7.1	3.502	32.645	25.9607
8	3.506	32.6453	25.9606
8.9	3.505	32.6482	25.963
9.9	3.504	32.6511	25.9654
10.9	3.506	32.6533	25.967
11.8	3.502	32.6593	25.9721
12.8	3.5	32.6619	25.9744
13.8	3.5	32.6638	25.9759
14.7	3.503	32.6639	25.9757
15.7	3.503	32.6658	25.9772
16.7	3.505	32.6656	25.9769
17.9	3.505	32.6686	25.9792
18.8	3.504	32.6715	25.9816
19.8	3.502	32.6742	25.984
20.9	3.501	32.6746	25.9844
22	3.501	32.6764	25.9858
23	3.5	32.6769	25.9863
23.9	3.499	32.6774	25.9868
25.1	3.501	32.6784	25.9874
26.1	3.501	32.679	25.9879
27.2	3.496	32.6847	25.9929
28.1	3.492	32.6942	26.0009
29.2	3.493	32.6974	26.0033
30.3	3.498	32.699	26.0041
31.4	3.502	32.7004	26.0048
32.4	3.508	32.7058	26.0086
33.4	3.525	32.7049	26.0063
34.5	3.538	32.7079	26.0075
35.7	3.543	32.7142	26.0121
36.7	3.553	32.718	26.0141
37.6	3.566	32.72	26.0145
38.6	3.571	32.7228	26.0162
39.9	3.571	32.7269	26.0195
40.9	3.571	32.7287	26.021
41.8	3.571	32.7294	26.0216
42.9	3.571	32.7313	26.023
44.1	3.571	32.7318	26.0234
45.5	3.572	32.7349	26.0258
46.5	3.573	32.7393	26.0292

47.6	3.573	32.7399	26.0297
48.7	3.573	32.7429	26.0321
49.9	3.575	32.7438	26.0327
50.9	3.577	32.7437	26.0323
51.9	3.579	32.7459	26.0339
53	3.583	32.7461	26.0337
54	3.583	32.7492	26.0361
55.1	3.585	32.749	26.0358
56.2	3.586	32.7498	26.0363
57.2	3.585	32.7502	26.0368
58.3	3.586	32.7498	26.0364
59.3	3.586	32.7517	26.0379
60.3	3.585	32.7522	26.0384
61.4	3.586	32.7518	26.038
62.5	3.582	32.7541	26.0401
63.5	3.578	32.7516	26.0385
64.6	3.564	32.7579	26.0449
65.6	3.577	32.7503	26.0376
66.6	3.55	32.759	26.0471
67.7	3.542	32.7594	26.0481
68.8	3.552	32.7511	26.0406
69.8	3.551	32.7504	26.0401
70.8	3.551	32.7522	26.0416
71.9	3.549	32.7525	26.042
72.9	3.543	32.7544	26.0441
74.1	3.539	32.7518	26.0424
75.1	3.536	32.7531	26.0437
76.3	3.54	32.7509	26.0415
77.4	3.536	32.7507	26.0418
78.6	3.511	32.7562	26.0484
79.7	3.521	32.7455	26.039
80.8	3.52	32.7471	26.0404
81.8	3.512	32.7511	26.0443
82.9	3.498	32.755	26.0487
84	3.48	32.7559	26.051
85.1	3.482	32.7497	26.0459
86.1	3.481	32.7466	26.0436
87.2	3.49	32.7441	26.0408
88.2	3.482	32.748	26.0448
89.3	3.471	32.7514	26.0483
90.3	3.46	32.7488	26.0472
91.3	3.45	32.7499	26.0491
92.5	3.443	32.7492	26.0491
93.5	3.44	32.7481	26.0485
94.6	3.449	32.742	26.0429
95.2	3.446	32.7459	26.0463
95.3	3.454	32.7426	26.0429

CRUISE: Oceanus Feb. 1987 STA. NAME: 3b

DATE: 2/19/87 POSITION-
LOC. TIME: 16:55 LAT: 43 42.67
DEPTH: 103M LON: 69 5.82

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
1.9	3.642	30.0685	23.8975
4.1	3.652	32.1772	25.5744
5.3	3.653	32.4958	25.8279
6.5	3.653	32.6477	25.9488
7.6	3.654	32.7212	26.0072
8.9	3.654	32.7611	26.039
10	3.653	32.783	26.0565
11.1	3.654	32.7957	26.0665
12.2	3.653	32.8021	26.0717
13.3	3.654	32.8053	26.0741
14.4	3.653	32.8105	26.0784
15.6	3.65	32.8165	26.0834
16.7	3.652	32.8162	26.0831
17.9	3.653	32.8182	26.0845
19.1	3.652	32.8209	26.0868
20.3	3.652	32.8227	26.0882
21.5	3.652	32.8268	26.0915
22.6	3.65	32.8318	26.0957
23.8	3.65	32.8336	26.0971
25	3.652	32.8321	26.0957
26.1	3.652	32.834	26.0971
27.2	3.652	32.8346	26.0976
28.4	3.652	32.8375	26.1
29.6	3.65	32.8401	26.1022
30.7	3.652	32.8387	26.1009
31.9	3.653	32.8406	26.1024
32.9	3.654	32.845	26.1058
34.1	3.654	32.8468	26.1072
35.3	3.652	32.8494	26.1094
36.5	3.65	32.8508	26.1107
37.6	3.65	32.8526	26.1122
38.7	3.65	32.8532	26.1126
40	3.65	32.8537	26.113
41.2	3.65	32.8542	26.1135
42.5	3.65	32.8559	26.1148
43.6	3.65	32.8566	26.1153
44.8	3.649	32.8581	26.1167
46	3.65	32.8589	26.1172
47.1	3.648	32.8603	26.1185
48.3	3.647	32.8631	26.1208
49.5	3.65	32.863	26.1205
50.5	3.652	32.8628	26.1201
51.6	3.653	32.8636	26.1207
52.8	3.65	32.8672	26.1238
54	3.649	32.8676	26.1242
55.1	3.649	32.8682	26.1247

56.2	3.646	32.8695	26.126
57.3	3.643	32.8707	26.1273
58.5	3.641	32.8709	26.1276
59.5	3.64	32.8702	26.1271
60.7	3.64	32.8696	26.1266
61.7	3.64	32.869	26.1262
62.9	3.641	32.8686	26.1258
64.1	3.64	32.8702	26.1271
65.1	3.641	32.8686	26.1258
66.3	3.638	32.871	26.128
67.4	3.636	32.8713	26.1284
68.6	3.636	32.8706	26.1279
69.6	3.636	32.8713	26.1284
70.8	3.636	32.8719	26.1288
72	3.636	32.8712	26.1283
73.1	3.636	32.8718	26.1288
74.3	3.638	32.8704	26.1275
75.5	3.639	32.8699	26.127
76.7	3.641	32.8697	26.1266
78	3.641	32.8702	26.127
79.1	3.641	32.8708	26.1275
80.2	3.641	32.8726	26.129
81.3	3.64	32.8707	26.1275
82.5	3.639	32.8734	26.1298
83.6	3.639	32.8728	26.1293
84.8	3.641	32.8714	26.128
85.9	3.642	32.871	26.1276
87	3.643	32.8718	26.1281
88.1	3.643	32.8724	26.1286
89.3	3.645	32.8709	26.1273
90.4	3.645	32.8727	26.1287
91.6	3.642	32.8739	26.1299
92.6	3.643	32.8736	26.1296
93.8	3.649	32.8717	26.1275
94.6	3.653	32.872	26.1273
95.2	3.655	32.8732	26.1281

CRUISE: Oceanus Feb. 1987 STA. NAME: 17b

DATE: 2/19/87 POSITION-
LOC. TIME: 20:50 LAT: 43 35.13
DEPTH: 99M LON: 69 46.5

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
2.5	2.755	32.6857	26.0587
3.4	2.763	32.4659	25.8825
3.6	2.764	32.4367	25.8591
3.3	2.768	32.4255	25.8499
2.8	2.763	32.4223	25.8477
2.1	2.75	32.4248	25.8508
2.6	2.753	32.4386	25.8616
3.6	2.757	32.4438	25.8654
4.7	2.754	32.4462	25.8676
5.7	2.793	32.4391	25.8587
6.9	2.756	32.4589	25.8775
7.8	2.752	32.46	25.8787
8.8	2.753	32.4597	25.8784
9.7	2.776	32.4676	25.8828
10.8	2.856	32.4604	25.8704
11.6	2.88	32.4832	25.8866
12.6	2.918	32.5086	25.9037
13.5	2.98	32.511	25.9003
14.6	3.041	32.5301	25.9103
15.4	3.044	32.569	25.9411
16.6	3.189	32.5634	25.9239
17.4	3.291	32.5927	25.9382
18.5	3.427	32.6102	25.9399
19.4	3.606	32.644	25.9502
20.5	3.615	32.7286	26.0168
21.4	3.524	32.7888	26.0732
22.5	3.696	32.757	26.0317
23.5	3.768	32.7769	26.0407
24.4	3.796	32.8053	26.0606
25.4	3.831	32.823	26.0713
26.4	3.882	32.8317	26.0733
27.3	3.936	32.8386	26.0735
28.2	3.965	32.8517	26.081
29.3	3.991	32.8593	26.0845
30.3	3.99	32.8739	26.0962
31.3	3.975	32.8837	26.1055
32.2	3.938	32.8968	26.1195
33.1	3.891	32.9045	26.1303
34.1	3.882	32.8917	26.121
35.1	3.876	32.8878	26.1184
36	3.981	32.8682	26.0925
37	4.118	32.8424	26.0584
38.1	4.29	32.8415	26.0402
39	4.399	32.8728	26.0538
40	4.48	32.9072	26.0727
40.9	4.521	32.9429	26.0966

42.2	4.562	32.9584	26.1046
43.3	4.584	32.9732	26.114
44.2	4.591	32.9867	26.124
45.1	4.595	33.002	26.1357
46.2	4.586	33.0127	26.1458
47.2	4.577	33.0154	26.1483
48.1	4.586	33.0059	26.1398
49	4.61	33.0036	26.1354
49.9	4.629	33.0052	26.1346
50.9	4.641	33.0101	26.1373
51.9	4.648	33.0143	26.1398
52.8	4.662	33.0173	26.1407
53.7	4.677	33.0216	26.1425
54.7	4.684	33.0269	26.1459
55.6	4.676	33.0344	26.1527
56.6	4.644	33.0437	26.1636
57.5	4.625	33.0448	26.1665
58.6	4.618	33.0407	26.164
59.5	4.61	33.0378	26.1625
60.4	4.603	33.0373	26.1629
61.3	4.595	33.0356	26.1624
62.3	4.592	33.0357	26.1628
63.3	4.593	33.033	26.1606
64.2	4.596	33.0319	26.1594
65.4	4.598	33.0328	26.1598
66.3	4.599	33.0325	26.1595
67.4	4.6	33.0332	26.16
68.3	4.604	33.0346	26.1606
69.3	4.6	33.0369	26.1629
70.3	4.591	33.0396	26.166
71.2	4.59	33.0378	26.1647
72	4.588	33.0359	26.1634
73	4.581	33.0377	26.1655
74	4.58	33.0359	26.1642
74.9	4.581	33.0356	26.1638
75.8	4.583	33.0343	26.1626
76.7	4.587	33.031	26.1596
77.7	4.59	33.0333	26.1611
78.6	4.593	33.0345	26.1617
79.5	4.593	33.0375	26.1641
80.5	4.595	33.0385	26.1647
81.3	4.597	33.0372	26.1635
82.4	4.598	33.038	26.164
83.3	4.598	33.0387	26.1645
84.2	4.601	33.0387	26.1642
85.2	4.607	33.0381	26.1631
86.1	4.603	33.0416	26.1663
87.1	4.603	33.0399	26.165
87.9	4.605	33.0398	26.1647
89	4.605	33.0404	26.1652
89.9	4.604	33.0421	26.1666
90.8	4.604	33.0417	26.1662
91.9	4.607	33.0404	26.1649
92.8	4.606	33.041	26.1655
93.8	4.605	33.0414	26.166
94.4	4.604	33.0421	26.1666
94.6	4.603	33.043	26.1674

CRUISE: Oceanus Feb. 1987 STA. NAME: 18b

DATE: 2/20/87 POSITION-
LOC. TIME: 06:00 LAT:
DEPTH: 98M LON:

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
3.2	4.252	32.1226	25.4731
5.5	4.277	32.214	25.5432
6.7	4.284	32.278	25.5932
7.8	4.283	32.3381	25.6411
9	4.282	32.3899	25.6824
10.1	4.28	32.4335	25.7172
11.3	4.28	32.4704	25.7464
12.4	4.282	32.5018	25.7712
13.6	4.284	32.5308	25.7941
14.8	4.291	32.5537	25.8115
16.1	4.311	32.5743	25.8258
17.3	4.327	32.5941	25.8399
18.6	4.327	32.6204	25.8608
19.7	4.339	32.6372	25.8729
21	4.333	32.6612	25.8926
22.3	4.326	32.6791	25.9076
23.4	4.333	32.6927	25.9176
24.6	4.335	32.703	25.9256
25.9	4.332	32.7193	25.9389
27	4.335	32.7298	25.9469
28.2	4.333	32.7417	25.9565
29.4	4.333	32.7505	25.9635
30.7	4.328	32.763	25.9739
31.9	4.338	32.7665	25.9757
33.1	4.321	32.7851	25.9922
34.3	4.316	32.7906	25.9971
35.5	4.316	32.797	26.0022
36.7	4.324	32.8013	26.0048
37.9	4.33	32.8076	26.0092
39.1	4.33	32.8164	26.0161
40.6	4.339	32.8172	26.0158
41.8	4.343	32.8196	26.0173
43	4.359	32.8206	26.0165
44.2	4.352	32.8351	26.0208
45.5	4.353	32.8417	26.0338
46.7	4.355	32.8472	26.0381
47.8	4.358	32.8507	26.0405
49	4.375	32.8507	26.0387
50.3	4.385	32.8576	26.0432
51.4	4.378	32.8675	26.0518
52.6	4.381	32.8709	26.0542
53.8	4.391	32.8755	26.0568
55	4.394	32.8848	26.0638
56.2	4.403	32.8892	26.0664
57.4	4.411	32.8946	26.0699
58.6	4.419	32.9024	26.0752

59.7	4.425	32.9087	26.0796
60.9	4.413	32.9224	26.0917
62.1	4.402	32.9304	26.0993
63.3	4.371	32.9409	26.1108
64.5	4.359	32.9382	26.1099
65.7	4.409	32.9169	26.0878
66.9	4.362	32.9492	26.1183
68.1	4.346	32.9493	26.1201
69.4	4.342	32.9468	26.1185
70.6	4.347	32.9447	26.1163
71.9	4.348	32.9442	26.1158
73.2	4.35	32.9462	26.1172
74.5	4.362	32.9441	26.1143
75.7	4.367	32.9502	26.1186
76.9	4.379	32.9516	26.1185
78.1	4.39	32.9552	26.1202
79.3	4.399	32.9596	26.1227
80.5	4.403	32.9667	26.1279
81.7	4.415	32.9693	26.1287
82.9	4.421	32.9755	26.1331
84.1	4.426	32.9793	26.1355
85.3	4.426	32.9868	26.1415
86.5	4.425	32.9895	26.1438
87.7	4.426	32.9996	26.1517
88.9	4.465	33.0009	26.1486
90.1	4.479	33.0178	26.1605
91.2	4.474	33.0304	26.1711
92.5	4.483	33.0347	26.1736
93.7	4.492	33.0379	26.1752
94.9	4.493	33.0433	26.1793
95.9	4.495	33.0466	26.1817
96.3	4.495	33.0499	26.1844

CRUISE: Oceanus Feb. 1987 STA. NAME: 1h

DATE: 2/16/87 POSITION-
LOC. TIME: 16:37 LAT: 43 2.18
DEPTH: 21M LON: 70 39.13

DEPTH (meters)	TEMPERATURE (Degr. C)	SALINITY (ppt)	SIGMA-t
1.6	.643	32.1622	25.7839
2.7	.643	32.1809	25.799
3.3	.644	32.1899	25.8062
4	.649	32.1972	25.8118
4.5	.655	32.1971	25.8114
5.2	.659	32.2094	25.821
5.9	.66	32.2196	25.8292
6.5	.663	32.229	25.8366
7.1	.671	32.2384	25.8438
7.6	.68	32.1371	25.7617
8.3	.686	32.1989	25.8111
8.9	.687	32.231	25.837
9.6	.709	32.2426	25.845
10.3	.718	32.256	25.8554
10.9	.732	32.2643	25.8613
11.5	.864	32.2245	25.8218
12.2	1.068	32.1971	25.7879
12.8	1.218	32.2445	25.8169
13.5	1.267	32.299	25.8576
14.1	1.304	32.3353	25.8844
14.8	1.327	32.3619	25.9043
15.4	1.331	32.3841	25.9218
16	1.332	32.3992	25.9339
16.7	1.334	32.4094	25.942
17.3	1.337	32.4161	25.9472
18	1.352	32.4154	25.9457
18.6	1.391	32.4102	25.939
19.2	1.493	32.3891	25.9154
19.9	1.545	32.4045	25.9243
20.5	1.575	32.4262	25.9397
21	1.588	32.444	25.9531
21.2	1.587	32.46	25.966
21.2	1.581	32.4687	25.9734