DATA REPORT

WARM CORE RINGS
PROJECT OFFICE
BIGELOW G-3

R/V KNORR
WARM CORE RINGS Nº 3

12-29 JUNE, 1982

edited by

D.A. Phinney, J.C. Garside, E.W. Langton

Technical Report No. 41

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Technical Report #41

R/V *KNORR*

Warm Core Ring Project

12 - 29 June, 1982

edited by

D.A. Phinney, J.C. Garside and E.W. Langton

Bigelow Laboratory for Ocean Sciences

McKown Point

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January 1984

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ACKNOWLEDGEMENTS

The editors wish to thank Jim Rollins for graphics preparation, and P. Colby for manuscript preparation. This work was supported by NASA Grant # NAG6-17, Wallops Flight Center.

Introduction

The main objective of the third warm core ring cruise was revisitation of ring 82-B and the surrounding water masses. Located off the Baltimore Canyon, 82-B continued to be well suited to the program.

With activities aboard the three ships now well coordinated, the mobility of R/V Knorr continued to increase. Two cross section transects of the ring as well as Slope water, Gulf Stream and Sargasso Sea stations were occupied.

Our interests are concerned with measuring the bio-optical properties of rings and surrounding water masses in support of remote sensing. This is the third in a series of technical reports produced by Bigelow Laboratory in the present format as part of the Warm Core Rings Project. Previous reports are: Bigelow Laboratory Technical Report #31, R/V Atlantis II Warm Core Rings I, October 1981 and Report #40, R/V Knorr Warm Core Rings II, April-May 1982.

R/V KNORR 95 CRUISE TRACK
JUNE 12 - 29 1982

Methods

I. Continuous underway data acquisition

Throughout the duration of the cruise, data from a number of instruments is collected continuously to evaluate horizontal variability and spatial distributions of several parameters. Seawater is pumped from a through-hull fitting 2 meters below the surface to a deck distribution tank which debubbles and supplies the seawater to instruments in the lab at a constant 10 l/minute rate.

Two Turner Design Model 10-005R red sensitive fluorometers are outfitted with blue T-5 lamps and the following color filters:

Chlorophyll	Excitation filter	CS5-60
	Emission filter	CS2-64
	Reference filter	CS3-66
Fucoxanthin	Excitation filter	CS4-64
	Emission filter	CS2-64
	Reference filter	CS3-66

They are placed in series with a semi-conductor temperature transducer to monitor fluorescence of the pigments and temperature continuously. A Biospherical Instruments Model QSR-250 integrating irradiance meter is placed at a non-shaded location to continuously monitor photosynthetically active incident solar irradiance (PAR) between 400 and 700 nm.

To facilitate concurrent data sampling and mass storage, the above instruments are interfaced to the ships WHOI Sail data acquisition system as described by Peal and Mellinger (1981). Twenty eight parameters in all are collected at 5 minute intervals and stored on magnetic tape and as hard printed copy.

Peal, K.R. and E.C. Mellinger, 1981. Oceans 14: 287-291.

II. Pumping station procedure

The surface 125m is continuously profiled using a large volume pumping system which enables onboard analysis of biological, chemical and physical parameters. The system components include a Flygt Model B205 submersible pump, >125m of two inch diameter flexible hose and the deck distribution box described above. The hose intake is secured to a rosette with CTD and lowered to the desired depth. The pump is deployed just below the surface. Surface underway seawater feed lines are removed from the distribution tank and are replaced by the ca. 200 l/minute flow from the pumping system. Flushing rates are very short and delay characteristics from the distribution tank to the instruments remain constant for either system.

When the entire system has flushed, sampling begins by raising the rosette 1 meter every 30 seconds until it reaches 2m depth where the system is again allowed to flush. Depth corrections from the CTD are applied to instrument readings to compensate for delay time through the pumping system. Discrete samples are drawn directly from the instrument outflow at depths of interest for instrument calibration and biological experimentation.

Temperature and salinity data are obtained from a conductivity-temperature probe developed at Bigelow Laboratory. An Inter Ocean Model 195R conductivity transducer, range 0-60mmho, and Fenwal GC32L8 thermistor, range 0-30°C, package is placed in the distribution tank and values logged every 30 seconds on a Hewlett-Packard 85 plus 3497A data acquisition unit. Temperature output voltage $\times 10$ = temperature, accuracy $\pm 0.1^\circ\text{C}$. Conductivity output voltage $\times 10$ = conductivity, accuracy ± 0.1 mmho.

Discrete phytoplankton chlorophyll

The fluorometric determination of chlorophyll as described by Yentsch and Menzel (1963) is followed. Phytoplankton are harvested on Millipore HA cellulose acetate membrane filters, pore size $0.45\ \mu$. The filter and particulate material are homogenized in 85% acetone for 1 minute, extract volume brought to 12 ml and centrifuged at 3000 rpm for 5 minutes. Fluorescence of the supernatant is measured using a Turner Model 111 fluorometer outfitted with a red sensitive photomultiplier tube, blue T-5 lamp, CS5-60 excitation filter and CS2-64 emission filter. Three drops of 1N HCl are added directly to the cuvette and fluorescence again measured after 1 minute for phaeopigment determination.

Calibration is performed using prepared chlorophyll a from spinach purchased from Sigma Chemical Corp.

Yentsch, C.S. and D.W. Menzel, 1963. Deep-Sea Res. 10: 221-231.

Phytoplankton spectral signatures

Yentsch and Yentsch (1979) describe a technique for differentiating phytoplankton into color groups by in vivo absorption and fluorescence spectral signatures. Particulates are harvested from one liter of seawater using a Whatman GF/F 25 mm diameter glass fiber filter. Absorption spectra are measured between 350 and 750 nm with a Bausch and Lomb Spectronic 2000 dual beam spectrophotometer. Two wetted blank filters are placed vertically in a lucite holder in front of the sample and reference detectors and a baseline stored. The wetted filter with particulates is placed in front of the sample detector with a blank filter remaining as reference and the absorption spectrum is recorded.

This method is an adaptation of the opal glass technique proposed by Shibata (1958) for in vivo plant pigment studies. Due to the large light scattering effect of cells or chloroplasts in suspension, the beam of the spectrophotometer must be diffused sufficiently such that scatter plays a lesser role than absorption. Truper and Yentsch (1967) proposed using a glass fiber filter in place of opal glass as the beam diffuser working with photosynthetic bacteria. Yentsch and Phinney (1982) and Kiefer and SooHoo (1982) have also worked with particulates on glass fiber filters.

The same sample filter is then transferred to a Baird-Atomic Model SF-1 fluorescence spectrophotometer where it is placed vertically in the sample compartment so as to create a front surface measurement. One excitation spectrum is recorded between 350 and 600 nm viewing fluorescence at 680 nm. Two emission spectra are viewed between 500 and 750 nm for excitations at 470 and 530 nm. This same filter is then processed as above for extracted chlorophyll.

Kiefer, D.A. and J.B. Soohoo, 1982. Limnol. Oceanogr., 27 (3): 492-499.

Shibata, K., 1958. J. Biochem. 45: 599-623.

Truper, H. and C.S. Yentsch, 1967. J. Bacteriol. 94: 1255-1256.

Yentsch, C.S. and D.A. Phinney, 1982. Jour. Plank. Res. 4 (1): 93-102.

Yentsch, C.S. and C.M. Yentsch, 1979. J. Mar. Res. 37 (3): 471-483.

III. Downwelling and upwelling irradiance

A four channel submarine photometer developed at Bigelow Laboratory is employed to measure relative downwelling and upwelling irradiance. Four photodiodes are individually filtered at 440, 520, 550 and 670 nm with half-power bandwidths of 7.5, 8.2, 9.2 and 11.5 nm respectively. A pressure transducer of accuracy ± 0.5 m displays depth. The photometer is lowered to specific depths facing the surface for downwelling irradiance, retrieved, turned over and lowered for upwelling irradiance. Relative curves for each band are plotted and attenuation coefficients calculated for each depth interval by:

$$K = -\ln \cdot \frac{1}{z_2 - z_1} \cdot \frac{\Sigma dz_2}{\Sigma dz_1}$$

Where K = the attenuation coefficient at the half interval depth $(z_2 - z_1)/2 + z_1$

Σdz_1 = relative irradiance at depth z_1 .

Σdz_2 = relative irradiance at depth z_2 .

Total Downwelling Irradiance (PAR)

Total photosynthetically active radiation (PAR) between 400-700 nm is measured as a function of depth with a Biospherical Instrument model QSI-140 quantum scalar irradiance meter.

Notes

Overflight Data Summary

#1	1926 GMT	Bucket Chlorophyll	0.55 ug/l
#2	1937		0.53

Position

1919 GMT	Loran C	36° 47.36'	74° 10.96'
1924	"	36° 47.60'	74° 10.19'
1930	"	36° 47.92'	74° 09.50'

Secchi Depth 16m

Four Channel Irradiance Op# 0624.06 1700- GMT

		k ₄₄₀	k ₅₂₀	k ₅₅₀	k ₆₇₀
E _d	0-30m	0.139	0.103	0.115	0.260
	30-100.5m	0.042	0.042	0.055	-
E _u	0-29m	0.094	0.066	0.070	0.313

Vertical profile information for this station can be found as Op# 0624.07, station 18, section, 2016 GMT.

R/V KNORR
OPERATION #0613.12

TEMPERATURE (°C) -O-

R/V KNORR
OPERATION #0613.12

FUCO/CHL RATIO -O-

OPERATION 0613.12 STATION 1 LATITUDE 39°23.5'N LONGITUDE 71° 9.6'W DATE 06/13/82 TIME 2230

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
2.8	19.19	33.530	23.871	0.651	-
3.8	19.19	33.480	23.833	0.651	-
4.8	19.21	33.350	23.729	0.651	-
5.5	19.16	33.400	23.780	0.651	-
8.1	19.23	33.260	23.656	0.651	-
8.8	19.24	33.260	23.653	0.678	-
9.5	19.21	33.300	23.691	0.651	-
10.2	19.25	33.400	23.757	0.651	-
10.8	19.23	33.380	23.747	0.651	-
12.5	19.21	33.460	23.813	0.651	-
13.4	19.19	33.480	23.833	0.651	-
14.3	19.19	33.600	23.925	0.651	-
15.2	19.22	33.560	23.887	0.651	-
16.1	19.19	33.700	24.001	0.651	-
17.0	19.20	33.670	23.976	0.651	-
18.0	19.18	33.710	24.011	0.651	-
19.0	19.23	33.650	23.953	0.624	-
21.5	19.27	33.670	23.958	0.651	-
21.8	19.21	33.770	24.049	0.651	-
22.0	19.18	33.790	24.072	0.705	-
23.0	19.16	33.880	24.146	0.733	-
24.0	19.17	33.870	24.135	0.733	-
25.0	19.16	33.730	24.031	0.733	-
26.0	19.14	33.740	24.044	0.787	-
27.0	19.10	33.810	24.108	0.814	-
28.5	19.08	33.810	24.113	0.842	-
30.0	19.06	33.910	24.194	0.842	-
30.5	19.10	33.860	24.146	0.869	-
31.0	19.09	33.730	24.049	0.869	-
33.0	19.04	33.850	24.153	0.842	-
33.6	19.07	33.890	24.176	0.842	-
34.3	19.09	33.900	24.179	0.814	-
35.0	19.06	33.930	24.209	0.814	-
36.5	19.06	33.730	24.057	0.787	-
38.0	19.01	33.780	24.108	0.787	-
39.0	19.01	33.780	24.108	0.760	-
40.0	18.97	33.680	24.041	0.705	-
41.0	18.88	33.700	24.079	0.678	-
42.0	18.85	33.530	23.957	0.624	-
43.0	18.77	33.610	24.038	0.597	-
44.0	18.66	33.730	24.157	0.542	-
45.0	18.51	33.770	24.225	0.488	-
46.5	18.38	33.840	24.311	0.433	-
48.0	18.26	33.820	24.325	0.379	-
48.5	18.12	33.920	24.436	0.352	-
49.0	18.01	33.930	24.471	0.324	-
50.3	17.89	33.900	24.477	0.324	-
51.7	17.86	33.980	24.546	0.297	-
52.0	17.69	34.090	24.671	0.297	-
53.3	17.55	34.010	24.644	0.243	-
54.7	17.35	33.940	24.638	0.215	-
56.0	17.19	33.990	24.714	0.215	-
57.0	17.17	33.870	24.627	0.215	-
58.0	17.06	33.980	24.738	0.188	-
60.0	16.97	34.040	24.805	0.188	-
62.0	16.94	34.010	24.789	0.188	-
62.3	16.88	34.100	24.872	0.188	-
62.7	16.88	33.950	24.757	0.188	-
63.0	16.85	34.070	24.856	0.161	-
65.0	16.74	34.040	24.859	0.161	-
66.0	16.75	34.060	24.872	0.161	-
67.0	16.64	34.090	24.920	0.161	-
68.0	16.50	34.070	24.937	0.161	-
68.5	16.45	34.100	24.972	0.134	-
69.0	16.43	34.160	25.023	0.134	-
70.3	16.38	34.210	25.072	0.134	-
71.7	16.40	34.280	25.122	0.134	-
73.0	16.35	34.300	25.148	0.134	-
74.0	16.27	34.320	25.182	0.134	-
75.0	16.26	34.340	25.200	0.134	-
76.0	16.24	34.360	25.220	0.134	-
77.5	16.21	34.330	25.204	0.107	-
79.0	16.19	34.300	25.185	0.107	-
79.5	16.02	34.300	25.224	0.107	-
80.0	15.95	34.270	25.217	0.107	-
81.5	15.88	34.420	25.348	0.079	-
83.0	15.87	34.340	25.289	0.079	-
84.0	15.87	34.390	25.327	0.079	-
85.0	15.83	34.330	25.290	0.079	-
86.0	15.80	34.360	25.320	0.079	-
87.0	15.75	34.470	25.416	0.079	-
88.5	15.67	34.560	25.457	0.079	-
90.0	15.72	34.400	25.369	0.079	-
90.5	15.65	34.510	25.469	0.079	-
91.0	15.65	34.570	25.515	0.079	-
92.0	15.65	34.580	25.523	0.079	-
93.0	15.66	34.570	25.513	0.079	-
94.5	15.64	34.550	25.502	0.079	-
96.0	15.64	34.680	25.602	0.079	-
97.0	15.55	34.670	25.614	0.079	-
98.0	15.50	34.650	25.610	0.052	-
99.0	15.47	34.740	25.686	0.079	-
100.0	15.46	34.690	25.650	0.052	-
101.0	15.44	34.690	25.654	0.052	-
103.0	15.47	34.770	25.709	0.079	-
105.0	15.42	34.780	25.728	0.052	-

R/V KNORR
OPERATION #0615.13
TEMPERATURE (°C) --O--

R/V KNORR
OPERATION #0615.13

FUCO/CHL RATIO -O-

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (g/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
1.3	18.77	35.100	25.175	0.861	0.667
2.7	18.71	35.070	25.167	0.861	0.722
3.1	18.75	35.080	25.164	0.907	0.684
4.1	18.71	35.090	25.182	0.907	0.684
5.1	18.66	35.070	25.180	0.952	0.700
6.1	18.55	35.170	25.284	1.042	0.682
7.3	18.50	35.170	25.296	1.132	0.625
8.6	18.48	35.140	25.278	1.177	0.640
9.8	18.46	35.150	25.291	1.313	0.643
10.8	18.36	35.140	25.308	1.448	0.645
11.8	18.30	35.100	25.293	1.583	0.647
12.9	18.31	35.150	25.328	1.719	0.622
14.0	18.22	35.130	25.335	1.899	0.634
15.0	18.11	35.280	25.477	2.079	0.644
15.9	18.10	35.260	25.465	2.395	0.654
16.8	17.98	35.180	25.433	2.711	0.644
18.0	17.89	35.270	25.524	2.982	0.662
19.1	17.80	35.360	25.615	3.207	0.657
20.2	17.71	35.340	25.622	3.433	0.667
21.4	17.64	35.370	25.662	3.658	0.675
22.5	17.53	35.430	25.734	3.749	0.683
23.9	17.38	35.320	25.687	3.749	0.683
25.2	17.20	35.400	25.791	3.478	0.711
26.1	17.02	35.470	25.888	2.937	0.719
27.1	16.88	35.550	25.982	2.621	0.719
28.0	16.81	35.520	25.976	2.531	0.727
29.2	16.79	35.560	26.011	2.531	0.727
30.3	16.78	35.490	25.960	2.440	0.717
31.2	16.78	35.500	25.968	2.305	0.720
32.2	16.69	35.540	26.020	1.899	0.732
33.1	16.67	35.450	25.955	1.854	0.725
34.1	16.66	35.560	26.042	1.764	0.711
35.1	16.60	35.540	26.041	1.628	0.714
36.1	16.54	35.580	26.086	1.538	0.727
37.2	16.52	35.680	26.167	1.493	0.750
38.4	16.56	35.620	26.112	1.403	0.733
39.5	16.49	35.600	26.113	1.403	0.733
40.6	16.56	35.570	26.073	1.448	0.742
41.6	16.51	35.650	26.146	1.448	0.742
42.7	16.46	35.700	26.197	1.448	0.742
43.7	16.48	35.600	26.115	1.448	0.742
44.7	16.51	35.600	26.108	1.358	0.724
45.8	16.46	35.690	26.189	1.132	0.750
46.8	16.36	35.660	26.189	0.952	0.700
47.9	16.35	35.600	26.145	0.907	0.737
49.0	16.31	35.670	26.209	0.907	0.737
50.1	16.31	35.670	26.209	0.861	0.722
51.2	16.31	35.640	26.185	0.816	0.706
52.3	16.28	35.750	26.277	0.771	0.750
53.3	16.28	35.690	26.231	0.726	0.733
54.2	16.28	35.640	26.192	0.726	0.733
55.2	16.30	35.670	26.211	0.726	0.733
56.5	16.28	35.630	26.185	0.726	0.733
57.8	16.29	35.410	26.014	0.726	0.733
58.7	16.28	35.200	25.855	0.726	0.733
59.6	16.28	35.360	25.978	0.726	0.733
60.5	16.29	35.710	26.244	0.726	0.733
61.7	16.28	35.700	26.239	0.726	0.733
62.8	16.27	35.660	26.210	0.726	0.733
63.8	16.27	35.540	26.118	0.636	0.769
64.8	16.25	35.600	26.169	0.591	0.750
65.7	16.20	35.620	26.196	0.591	0.750
66.6	16.22	35.550	26.137	0.546	0.727
67.5	16.20	35.640	26.211	0.501	0.800
68.5	16.18	35.700	26.262	0.501	0.700
69.5	16.18	35.620	26.200	0.501	0.700
70.4	16.20	35.730	26.280	0.501	0.700
71.6	16.19	35.660	26.229	0.501	0.700
72.7	16.20	35.690	26.249	0.501	0.700
73.6	16.21	35.690	26.247	0.501	0.700
74.5	16.18	35.790	26.331	0.501	0.700
75.8	16.20	35.720	26.272	0.501	0.700
77.1	16.18	35.850	26.377	0.455	0.778
78.1	16.19	35.770	26.313	0.455	0.778
79.2	16.22	35.760	26.299	0.455	0.778
80.3	16.17	35.800	26.341	0.455	0.778
81.4	16.20	35.860	26.380	0.455	0.778
82.5	16.18	35.870	26.392	0.455	0.778
83.5	16.20	35.850	26.372	0.455	0.778
84.5	16.20	35.890	26.403	0.455	0.778
85.8	16.20	35.820	26.349	0.455	0.778
87.0	16.19	36.050	26.528	0.455	0.778
87.9	16.18	35.930	26.438	0.455	0.778
88.8	16.19	35.860	26.382	0.455	0.778
89.8	16.24	35.840	26.355	0.455	0.778

R/V KNORR
OPERATION #0616.01

R/V KNORR
OPERATION #0616.01

FUCO/CHL RATIO -O-

OPERATION 0616.01 STATION 3 LATITUDE 37°43.8'N LONGITUDE 74° 6.6'W DATE 06/16/82 TIME 1016

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUOCO:CHL
3.0	15.58	33.120	24.418	0.448	0.969
4.1	15.57	33.150	24.443	0.448	0.969
5.3	15.57	33.160	24.451	0.448	0.969
6.5	15.58	33.140	24.433	0.448	0.969
7.9	15.58	33.110	24.410	0.481	0.939
9.2	15.57	33.130	24.427	0.481	0.970
9.6	15.58	33.190	24.471	0.514	0.971
10.0	15.63	33.270	24.522	0.514	0.971
11.2	15.68	33.350	24.572	0.514	1.000
12.4	15.76	33.370	24.569	0.514	0.971
13.5	15.87	33.450	24.606	0.514	1.000
14.5	16.07	33.540	24.630	0.481	1.000
15.5	16.36	33.570	24.587	0.481	1.030
16.5	16.59	33.710	24.641	0.448	0.969
17.5	16.94	33.890	24.697	0.415	0.968
18.5	17.33	33.910	24.620	0.382	0.967
19.5	17.53	33.880	24.549	0.382	0.933
20.5	17.57	34.050	24.669	0.415	0.935
21.3	17.78	34.270	24.787	0.481	0.909
22.1	17.86	34.220	24.729	0.714	0.800
22.9	17.95	34.270	24.745	0.846	0.750
23.7	17.97	34.280	24.748	0.846	0.773
24.5	17.93	34.360	24.819	0.913	0.804
25.5	17.89	34.380	24.844	0.946	0.830
26.5	17.93	34.460	24.895	0.946	0.830
27.5	17.89	34.440	24.890	1.012	0.816
28.3	17.83	34.480	24.935	1.145	0.868
29.0	17.73	34.640	25.082	1.278	0.895
30.0	17.44	34.540	25.075	1.410	0.902
31.0	17.28	34.470	25.060	1.444	0.919
32.5	17.20	34.500	25.102	1.510	0.922
33.9	17.07	34.490	25.125	1.576	0.939
35.4	16.89	34.450	25.137	1.643	0.956
36.8	16.80	34.510	25.205	1.610	0.985
37.5	16.71	34.460	25.187	1.610	0.985
38.2	16.54	34.540	25.288	1.576	1.015
39.0	16.04	34.460	25.342	1.444	1.048
40.5	15.68	34.490	25.447	1.311	1.069
42.0	15.62	34.510	25.476	1.211	1.109
43.0	15.52	34.560	25.537	1.178	1.130
44.0	15.55	34.550	25.522	1.178	1.130
45.0	15.53	34.710	25.650	1.145	1.151
46.2	15.51	34.610	25.577	1.145	1.151
47.4	15.26	34.540	25.579	1.112	1.192
48.5	14.86	34.550	25.674	1.012	1.204
49.3	14.63	34.520	25.701	0.946	1.191
50.0	14.28	34.680	25.899	0.913	1.196
51.0	13.89	34.660	25.966	0.846	1.159
52.0	13.61	34.590	25.970	0.747	1.146
54.3	13.22	34.520	25.996	0.747	1.098
56.3	13.12	34.570	26.055	0.714	1.075
57.3	12.91	34.540	26.074	0.647	1.053
58.2	12.19	34.440	26.137	0.581	1.000
59.1	11.18	34.290	26.210	0.481	0.939
60.0	10.50	34.170	26.238	0.448	0.906
61.0	10.28	34.140	26.253	0.448	0.906
62.5	10.27	34.080	26.208	0.448	0.875
63.7	10.28	34.160	26.269	0.481	0.848
64.9	10.33	34.150	26.252	0.448	0.875
66.0	10.31	34.110	26.224	0.415	0.871
67.0	10.26	34.200	26.303	0.415	0.839
68.0	10.20	34.290	26.384	0.448	0.813
69.0	10.10	34.110	26.260	0.382	0.800
70.0	9.84	34.280	26.437	0.349	0.793
71.0	9.69	34.160	26.369	0.349	0.759
72.0	9.63	34.200	26.410	0.349	0.724
73.4	9.63	34.090	26.324	0.349	0.724
74.8	9.61	34.090	26.327	0.349	0.690
76.2	9.62	34.180	26.396	0.349	0.690
77.2	9.54	34.200	26.425	0.315	0.679
78.2	9.64	34.080	26.315	0.315	0.679
79.0	9.64	34.130	26.354	0.315	0.679
79.5	9.65	34.190	26.399	0.315	0.679
80.0	9.62	34.210	26.419	0.315	0.679
81.0	9.63	34.280	26.472	0.315	0.679
82.0	9.70	34.320	26.492	0.315	0.679

R/V KNORR
OPERATION #0616.04

R/V KNORR
OPERATION #0616.04

FUCO/CHL RATIO -O-

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
4.0	17.40	33.530	24.313	0.363	0.889
5.1	17.43	33.460	24.252	0.363	0.889
6.2	17.37	33.510	24.304	0.363	0.889
7.4	17.39	33.500	24.292	0.363	0.889
8.5	17.39	33.430	24.239	0.363	0.926
9.7	17.41	33.530	24.310	0.363	0.926
10.4	17.49	33.560	24.314	0.410	0.893
11.0	17.63	33.670	24.364	0.410	0.893
11.6	18.06	33.910	24.443	0.363	0.926
12.3	18.81	34.360	24.600	0.363	0.926
13.6	19.07	34.680	24.778	0.363	0.926
14.5	19.13	34.560	24.671	0.410	0.929
15.3	19.01	34.670	24.786	0.410	0.964
16.1	18.97	34.690	24.811	0.457	0.966
17.0	18.92	34.700	24.832	0.457	1.000
18.2	18.92	34.660	24.801	0.505	1.000
19.3	18.88	34.750	24.880	0.505	1.000
20.5	18.85	34.680	24.834	0.505	1.033
21.3	18.85	34.700	24.849	0.552	1.032
22.0	18.80	34.680	24.847	0.552	1.064
22.8	18.69	34.660	24.859	0.599	1.063
24.3	18.63	34.650	24.867	0.646	1.061
25.7	18.32	34.640	24.936	0.740	1.114
27.1	17.99	34.570	24.964	0.835	1.135
28.5	17.40	34.590	25.123	0.929	1.128
30.0	16.74	34.610	25.295	1.071	1.143
31.1	16.12	34.480	25.339	1.354	1.208
32.2	15.31	34.630	25.637	1.637	1.222
33.2	15.03	34.490	25.591	1.826	1.241
34.4	14.77	34.480	25.640	2.062	1.286
35.6	14.52	34.550	25.748	2.298	1.309
36.8	14.36	34.500	25.744	2.533	1.342
37.9	13.96	34.500	25.828	3.147	1.384
39.3	13.82	34.530	25.880	3.572	1.421
40.8	13.64	34.470	25.871	4.515	1.478
42.3	13.32	34.460	25.929	4.751	1.533
43.3	13.20	34.470	25.961	4.138	1.579
44.4	13.15	34.510	26.002	3.147	1.558
45.4	13.14	34.550	26.035	2.769	1.551
46.5	13.18	34.620	26.081	2.392	1.529
47.3	13.25	34.680	26.113	2.250	1.507
48.2	13.31	34.710	26.124	2.156	1.508
49.0	13.42	34.740	26.125	2.062	1.492
50.1	13.56	34.680	26.050	1.967	1.475
51.3	13.61	34.700	26.055	1.779	1.456
52.4	13.67	34.910	26.205	1.543	1.385
53.6	13.64	34.830	26.149	1.307	1.298
54.8	13.64	34.780	26.111	1.118	1.279
56.0	13.58	34.910	26.223	0.976	1.250
57.0	13.63	34.840	26.159	0.929	1.205
58.0	13.64	34.860	26.172	0.882	1.158
59.0	13.62	34.880	26.192	0.788	1.139
60.0	13.67	34.950	26.236	0.693	1.088
60.7	13.67	34.910	26.205	0.552	1.000
61.5	13.67	35.080	26.336	0.505	0.967
62.2	13.70	34.980	26.253	0.457	0.966
63.2	13.70	34.950	26.229	0.457	0.931
64.3	13.68	35.100	26.349	0.410	0.929
65.3	13.71	35.140	26.374	0.410	0.929
66.5	13.74	35.100	26.337	0.410	0.893
67.6	13.72	35.110	26.349	0.363	0.926
68.8	13.69	35.210	26.432	0.363	0.889
69.9	13.69	35.090	26.340	0.316	0.885
71.1	13.71	35.170	26.397	0.316	0.846
72.2	13.66	35.300	26.508	0.316	0.808
73.2	13.72	35.180	26.403	0.269	0.840
74.2	13.67	35.250	26.467	0.316	0.846
75.2	13.65	35.310	26.518	0.316	0.846

R/V KNORR
OPERATION #0616.06

TEMPERATURE (°C) -O-

R/V KNORR
OPERATION #0616.06

FUCO/CHL RATIO -O-

OPERATION 0616.06 STATION 5 LATITUDE 37°38.1'N LONGITUDE 73°38.7'W DATE 06/16/82 TIME 1921

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUOD:CHL
3.0	18.69	34.750	24.938	0.404	0.808
4.0	18.73	34.680	24.864	0.404	0.846
5.0	18.75	34.730	24.897	0.404	0.846
6.0	18.71	34.670	24.862	0.377	0.880
7.0	18.70	34.680	24.872	0.377	0.880
8.0	18.69	34.770	24.943	0.404	0.846
8.8	18.68	34.740	24.923	0.404	0.846
9.6	18.71	34.730	24.908	0.404	0.846
10.4	18.70	34.740	24.918	0.404	0.846
11.5	18.60	34.720	24.928	0.404	0.846
12.6	18.59	34.670	24.892	0.404	0.846
13.6	18.54	34.740	24.958	0.404	0.885
14.6	18.46	34.730	24.970	0.430	0.852
15.5	18.43	34.800	25.031	0.430	0.889
16.5	18.44	34.860	25.074	0.430	0.889
17.4	18.39	34.990	25.186	0.457	0.893
18.9	18.38	35.020	25.212	0.457	0.929
20.4	18.36	35.090	25.270	0.457	0.929
21.3	18.33	35.190	25.354	0.483	0.931
22.2	18.32	35.430	25.540	0.510	0.967
23.1	18.28	35.520	25.618	0.536	0.968
24.0	18.22	35.520	25.633	0.563	1.000
25.3	18.21	35.550	25.659	0.589	1.030
26.7	17.14	35.530	25.905	0.801	1.171
28.0	16.66	35.400	25.919	0.906	1.289
29.3	15.93	35.250	25.974	1.224	1.403
30.5	15.07	35.230	26.152	1.567	1.629
31.7	14.83	35.330	26.281	1.514	1.750
32.9	15.22	35.530	26.349	1.435	1.831
34.2	15.43	35.550	26.318	1.303	1.833
35.1	15.27	35.550	26.353	1.144	1.685
36.0	15.10	35.640	26.461	0.986	1.479
36.9	15.00	35.600	26.452	0.853	1.372
38.0	14.91	35.670	26.526	0.827	1.333
39.1	14.88	35.710	26.563	0.801	1.293
40.2	14.92	35.710	26.554	0.748	1.256
41.3	14.90	35.650	26.512	0.668	1.167
42.2	14.88	35.610	26.486	0.563	1.125
43.1	14.83	35.710	26.574	0.563	1.063
44.0	14.87	35.670	26.534	0.536	1.064
45.0	14.88	35.690	26.548	0.536	1.064
46.0	14.86	35.670	26.537	0.536	1.064
47.3	14.88	35.640	26.509	0.536	1.064
48.6	14.87	35.670	26.534	0.536	1.064
49.9	14.86	35.700	26.560	0.563	1.031
51.1	14.87	35.690	26.550	0.536	1.064
52.0	14.90	35.540	26.428	0.536	1.064
52.8	14.84	35.640	26.518	0.536	1.064
53.7	14.87	35.650	26.519	0.563	1.031
54.5	14.89	35.620	26.492	0.536	1.064
55.6	14.84	35.670	26.541	0.563	1.031
56.7	14.87	35.590	26.473	0.536	1.064
57.8	14.86	35.630	26.506	0.536	1.032
58.8	14.87	35.660	26.527	0.536	1.032
59.9	14.88	35.760	26.602	0.536	1.032
60.9	14.88	35.750	26.594	0.536	1.032
61.9	14.86	35.690	26.552	0.536	1.000
62.6	14.91	35.710	26.556	0.536	1.000
63.3	14.84	35.740	26.595	0.536	1.000
64.0	14.91	35.740	26.580	0.510	1.000
65.3	14.97	35.630	26.482	0.483	0.966
66.7	14.99	35.600	26.454	0.483	0.931
68.0	14.95	35.640	26.494	0.483	0.931
69.0	14.98	35.650	26.495	0.510	0.933
70.0	15.07	35.760	26.560	0.483	0.966
71.0	15.09	35.750	26.547	0.430	0.889
72.0	15.16	35.750	26.532	0.404	0.885
73.0	15.19	35.840	26.594	0.404	0.885
73.9	15.38	35.820	26.536	0.430	0.852
74.8	15.36	35.800	26.526	0.404	0.846
76.3	15.37	35.920	26.616	0.404	0.846
77.7	15.36	35.950	26.641	0.377	0.800
78.8	15.30	35.910	26.624	0.351	0.833
79.9	15.31	35.830	26.560	0.377	0.760
80.9	15.24	35.870	26.606	0.351	0.750

R/V KNORR
OPERATION #0616.08

R/V KNORR

OPERATION #0616.08

FUCCO/CHL RATIO -O-

OPERATION 0616.08 STATION 6 LATITUDE 37°33.9'N LONGITUDE 73°20.3'W DATE 06/16/82 TIME 2301

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
3.0	18.80	34.540	24.740	0.364	0.846
3.8	18.79	34.530	24.735	0.364	0.846
4.5	18.80	34.550	24.747	0.364	0.846
5.1	18.81	34.550	24.745	0.364	0.846
5.7	18.79	34.530	24.735	0.364	0.846
6.3	18.79	34.590	24.781	0.342	0.880
7.9	18.77	34.620	24.808	0.342	0.880
9.5	18.73	34.610	24.811	0.364	0.846
10.6	18.74	34.650	24.839	0.342	0.880
11.8	18.74	34.610	24.808	0.342	0.880
12.9	18.70	34.570	24.788	0.342	0.880
13.9	18.69	34.600	24.813	0.342	0.880
14.9	18.61	34.610	24.841	0.364	0.885
16.1	18.54	34.710	24.935	0.364	0.885
17.2	18.36	34.710	24.980	0.385	0.926
18.1	17.95	34.850	25.188	0.449	0.933
19.0	17.55	35.120	25.492	0.491	0.969
20.0	17.60	35.380	25.679	0.491	1.031
21.1	17.68	35.480	25.736	0.512	1.000
22.2	17.72	35.490	25.734	0.491	1.031
23.2	17.61	35.430	25.715	0.491	1.000
24.5	17.50	35.250	25.604	0.470	1.000
25.7	17.46	35.160	25.545	0.491	1.031
27.0	17.34	35.500	25.834	0.555	1.086
28.3	16.75	35.300	25.822	0.746	1.182
29.5	15.25	35.080	25.996	1.086	1.333
30.6	14.91	35.070	26.064	1.448	1.442
31.8	15.24	35.290	26.160	1.724	1.500
32.9	15.10	35.310	26.207	2.022	1.606
34.0	14.62	35.310	26.312	1.873	1.629
35.0	14.62	35.350	26.343	1.448	1.649
36.0	14.58	35.280	26.297	1.490	1.620
37.0	14.60	35.400	26.385	1.745	1.648
38.0	14.67	35.310	26.301	1.937	1.620
39.2	14.70	35.330	26.310	1.937	1.610
40.4	14.68	35.300	26.291	1.852	1.615
41.5	14.66	35.300	26.295	1.788	1.624
42.8	14.64	35.380	26.361	1.639	1.616
44.2	14.55	35.330	26.342	1.384	1.608
45.6	14.49	35.350	26.371	1.150	1.603
46.4	14.46	35.350	26.377	1.086	1.500
47.2	14.42	35.360	26.393	0.916	1.461
48.0	14.43	35.440	26.453	0.831	1.417
49.0	14.36	35.480	26.499	0.810	1.340
50.0	14.28	35.530	26.555	0.704	1.238
51.3	14.18	35.390	26.468	0.597	1.135
52.7	14.15	35.360	26.451	0.534	1.118
54.0	14.16	35.400	26.480	0.555	1.000
55.0	14.20	35.450	26.510	0.470	1.032
56.0	14.24	35.460	26.509	0.449	0.967
57.0	14.28	35.410	26.462	0.385	0.963
58.1	14.26	35.430	26.482	0.406	0.929
59.2	14.27	35.370	26.433	0.385	0.926
60.2	14.26	35.510	26.543	0.364	0.885
60.8	14.20	35.490	26.541	0.364	0.846
61.4	14.26	35.510	26.543	0.364	0.846
62.0	14.34	35.540	26.549	0.364	0.846
63.3	14.56	35.630	26.571	0.364	0.885
64.7	14.77	35.670	26.556	0.364	0.885
66.0	14.76	35.650	26.543	0.364	0.923
67.3	14.82	35.650	26.530	0.364	0.885
68.0	14.76	35.650	26.543	0.364	0.885
69.3	14.65	35.690	26.598	0.364	0.808
70.7	14.66	35.580	26.511	0.342	0.800
72.0	14.62	35.700	26.612	0.321	0.792
72.8	14.67	35.670	26.578	0.321	0.750
73.6	14.75	35.630	26.530	0.321	0.750
74.5	14.78	35.820	26.670	0.321	0.792
75.9	14.80	35.800	26.650	0.321	0.750
77.3	14.82	35.840	26.676	0.321	0.750
78.7	14.86	35.760	26.606	0.321	0.750
80.0	14.88	35.700	26.555	0.321	0.750
80.8	14.85	35.820	26.654	0.321	0.750
81.5	14.94	35.800	26.619	0.321	0.750
82.3	14.88	35.820	26.648	0.321	0.750
83.0	14.98	35.740	26.564	0.321	0.750

R/V KNORR
OPERATION #0617.01

TEMPERATURE (°C) -O-

R/V KNORR
OPERATION #0617.01

FUCO/CHL RATIO -O-

OPERATION 0617.01 STATION 7 LATITUDE 37°24.4'N LONGITUDE 73° 7.0'W DATE 06/17/82 TIME 1022

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
2.8	18.59	34.730	24.938	0.284	0.880
3.4	18.60	34.830	25.011	0.239	0.917
4.0	18.60	34.750	24.950	0.329	0.846
5.3	18.62	34.800	24.984	0.239	0.917
6.7	18.57	34.750	24.958	0.284	0.880
8.0	18.58	34.710	24.925	0.284	0.890
8.9	18.51	34.750	24.973	0.239	0.917
9.7	18.59	34.750	24.953	0.284	0.880
10.4	18.50	34.820	25.029	0.239	0.917
11.0	18.52	34.760	24.978	0.239	0.917
12.3	18.57	34.720	24.935	0.239	0.917
13.5	18.52	34.780	24.993	0.284	0.880
14.8	18.53	34.740	24.960	0.239	0.917
16.0	18.57	34.590	24.836	0.239	0.917
17.0	18.53	34.820	25.021	0.239	0.917
18.0	18.49	34.760	24.986	0.239	0.917
19.0	18.44	34.770	25.006	0.239	0.958
20.5	18.38	34.730	24.990	0.239	0.958
22.0	18.24	34.700	25.002	0.329	0.923
23.0	17.89	34.770	25.142	0.465	0.931
24.0	17.23	34.690	25.240	0.465	1.034
25.1	16.69	34.850	25.491	0.600	1.063
26.2	15.99	34.940	25.722	0.735	1.086
27.3	15.34	35.010	25.923	0.780	1.194
29.0	15.12	35.120	26.056	1.006	1.244
30.7	14.78	35.280	26.254	1.322	1.521
32.4	14.15	35.150	26.289	1.998	1.714
34.0	13.71	35.130	26.366	2.134	1.742
34.3	13.63	35.140	26.391	2.179	1.701
34.7	13.56	35.180	26.436	2.089	1.723
35.0	13.53	35.040	26.334	2.044	1.719
36.2	13.56	35.010	26.305	1.953	1.710
37.4	13.43	35.150	26.440	1.683	1.643
38.6	13.37	35.060	26.382	1.412	1.580
39.8	13.45	35.140	26.428	1.322	1.479
41.0	13.55	35.170	26.430	1.186	1.511
42.0	13.60	35.260	26.490	1.186	1.533
43.0	13.74	35.330	26.514	1.277	1.532
44.0	13.85	35.360	26.515	1.232	1.609
45.0	13.94	35.430	26.550	1.322	1.521
46.2	14.02	35.410	26.517	1.141	1.500
47.4	14.01	35.640	26.697	0.916	1.461
48.6	14.04	35.420	26.521	0.871	1.421
49.8	14.15	35.530	26.582	0.826	1.324
50.9	14.18	35.490	26.545	0.645	1.303
52.0	14.16	35.470	26.534	0.645	1.212
53.0	14.16	35.580	26.619	0.510	1.200
54.0	14.17	35.510	26.563	0.510	1.067
55.0	14.16	35.640	26.665	0.420	1.036
56.0	14.15	35.540	26.590	0.284	1.040
57.0	14.17	35.560	26.601	0.239	1.000
58.0	14.17	35.560	26.601	0.284	0.920
59.3	14.16	35.550	26.596	0.284	0.920
60.7	14.15	35.570	26.613	0.284	0.920
62.0	14.17	35.540	26.586	0.239	0.958
63.0	14.45	35.490	26.487	0.284	0.920
64.0	14.14	35.670	26.692	0.284	0.920
65.0	14.15	35.510	26.567	0.329	0.846
66.0	14.17	35.560	26.601	0.239	0.917
67.0	14.16	35.650	26.673	0.239	0.875
68.0	14.19	35.620	26.643	0.194	0.870
69.0	14.20	35.570	26.603	0.239	0.792
70.0	14.18	35.730	26.730	0.149	0.864
71.0	14.21	35.660	26.670	0.194	0.783
72.0	14.20	35.650	26.664	0.194	0.783
73.0	14.22	35.670	26.675	0.194	0.783
73.7	14.27	35.750	26.726	0.149	0.773
74.3	14.26	35.710	26.698	0.194	0.739
75.0	14.31	35.780	26.741	0.239	0.708
76.5	14.41	35.790	26.727	0.194	0.783
78.0	14.38	35.740	26.695	0.149	0.773
79.0	14.37	35.830	26.767	0.194	0.739
80.0	14.43	35.770	26.707	0.194	0.739
81.3	14.47	35.810	26.730	0.149	0.727
82.7	14.52	35.760	26.680	0.149	0.727
84.0	14.56	35.700	26.625	0.149	0.727

R/V KNORR
OPERATION #0617.03

R/V KNORR
OPERATION #0617.03

FUCO/CHL RATIO -O-

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
3.0	16.08	33.750	24.789	0.345	1.000
4.0	16.07	33.720	24.768	0.345	1.000
5.0	16.09	33.820	24.840	0.345	1.043
5.8	16.07	33.890	24.898	0.257	1.045
6.7	16.14	33.900	24.890	0.257	1.091
7.6	16.12	33.910	24.902	0.257	1.091
8.4	16.06	33.910	24.916	0.345	1.043
9.2	16.06	33.770	24.808	0.345	1.043
10.0	15.99	33.930	24.947	0.345	1.043
11.4	16.00	33.790	24.837	0.345	1.130
12.8	15.97	33.900	24.929	0.432	1.083
13.7	15.96	33.990	25.000	0.432	1.125
14.6	15.97	33.940	24.959	0.432	1.125
16.0	15.92	33.970	24.994	0.432	1.167
17.3	15.80	33.990	25.036	0.519	1.200
18.7	15.49	34.050	25.151	0.693	1.259
20.0	14.77	34.300	25.502	0.954	1.467
21.0	14.11	34.310	25.650	1.477	1.750
22.0	13.17	34.400	25.913	2.174	2.068
23.3	12.49	34.310	25.978	2.435	2.149
24.7	12.35	34.330	26.021	2.348	2.174
26.0	12.27	34.310	26.021	2.174	2.204
27.0	12.17	34.270	26.009	2.000	2.238
28.0	12.09	34.420	26.141	1.913	2.219
29.0	12.01	34.290	26.055	1.913	2.146
30.0	11.93	34.290	26.071	1.738	2.179
31.0	11.84	34.440	26.204	1.564	2.135
32.0	11.79	34.380	26.167	1.390	2.029
33.3	11.63	34.350	26.174	1.216	1.939
34.6	11.55	34.380	26.212	1.041	1.806
35.8	11.38	34.440	26.290	0.867	1.724
36.5	11.24	34.420	26.300	0.780	1.643
37.2	11.20	34.380	26.276	0.693	1.556
38.0	11.05	34.470	26.373	0.606	1.538
39.3	11.01	34.460	26.373	0.606	1.423
40.5	10.89	34.420	26.363	0.519	1.360
41.8	10.78	34.450	26.406	0.519	1.280
43.0	10.65	34.480	26.453	0.432	1.250
44.0	10.69	34.420	26.399	0.432	1.250
45.0	10.58	34.470	26.457	0.345	1.217
46.0	10.52	34.420	26.429	0.345	1.217
47.0	10.50	34.440	26.448	0.345	1.217
48.0	10.47	34.510	26.508	0.345	1.217
49.0	10.48	34.480	26.483	0.345	1.217
50.0	10.52	34.410	26.421	0.432	1.167
51.0	10.49	34.440	26.450	0.432	1.167
52.0	10.52	34.490	26.484	0.432	1.125
53.5	10.50	34.480	26.479	0.432	1.125
55.0	10.46	34.450	26.463	0.345	1.087
55.5	10.36	34.560	26.566	0.345	1.000
56.0	10.39	34.540	26.545	0.257	1.000
57.3	10.49	34.490	26.489	0.257	0.909
58.7	10.61	34.510	26.483	0.257	0.909
60.0	10.66	34.600	26.544	0.170	0.905
61.0	10.77	34.640	26.556	0.257	0.864
62.0	10.83	34.720	26.607	0.170	0.905
63.0	10.83	34.690	26.584	0.257	0.864
64.0	10.83	34.800	26.670	0.257	0.864
65.3	10.84	34.760	26.637	0.257	0.864
66.5	10.88	34.730	26.606	0.170	0.905
67.3	10.90	34.710	26.587	0.170	0.857
68.0	10.94	34.750	26.611	0.170	0.857
69.0	11.02	34.730	26.581	0.170	0.857
70.0	11.02	34.710	26.565	0.170	0.857
71.0	11.04	34.780	26.616	0.170	0.857
72.5	11.09	34.780	26.607	0.170	0.857
74.0	11.16	34.790	26.602	0.170	0.810
75.0	11.30	34.910	26.669	0.170	0.810
76.0	11.39	35.060	26.769	0.170	0.810
77.0	11.47	34.960	26.677	0.170	0.810
78.0	11.45	35.060	26.758	0.170	0.810
79.0	11.43	35.060	26.762	0.170	0.810
80.0	11.52	34.920	26.636	0.170	0.810
81.0	11.52	35.080	26.761	0.170	0.810
82.0	11.59	35.050	26.724	0.170	0.810
82.9	11.68	35.040	26.700	0.170	0.810

R/V KNORR
OPERATION #0618.08

R/V KNORR
OPERATION #0618.08

FUCO/CHL RATIO -O-

0.0 0.5 1.0 1.5 2.0 2.5

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
2.9	22.85	35.877	24.661	0.058	0.453
3.8	22.85	35.877	24.661	0.058	0.453
4.3	22.85	35.877	24.661	0.058	0.453
5.4	22.85	35.877	24.661	0.058	0.453
6.6	22.85	35.877	24.661	0.058	0.453
7.8	22.85	35.877	24.661	0.058	0.453
9.0	22.82	35.900	24.687	0.058	0.453
9.8	22.82	35.900	24.687	0.058	0.453
10.6	22.82	35.900	24.687	0.058	0.453
11.4	22.82	35.900	24.687	0.058	0.453
12.5	22.82	35.900	24.687	0.081	0.449
13.7	22.82	35.900	24.687	0.081	0.449
14.8	22.82	35.900	24.687	0.081	0.449
15.7	22.68	36.018	24.817	0.081	0.449
16.6	22.68	36.018	24.817	0.081	0.449
17.5	22.68	36.018	24.817	0.081	0.449
18.5	22.68	36.018	24.817	0.081	0.449
19.7	22.68	36.018	24.817	0.081	0.449
20.9	22.68	36.018	24.817	0.089	0.449
22.0	22.68	36.018	24.817	0.089	0.449
23.5	22.68	35.980	24.788	0.104	0.455
24.5	22.54	36.073	24.900	0.119	0.460
25.4	22.48	36.073	24.914	0.174	0.464
26.3	22.48	36.073	24.914	0.221	0.479
27.3	22.45	36.101	24.945	0.221	0.488
28.4	22.39	36.149	24.998	0.221	0.488
29.6	22.34	36.196	25.050	0.244	0.500
30.8	22.28	36.158	25.037	0.290	0.504
31.8	22.11	36.173	25.097	0.305	0.509
32.7	21.91	36.120	25.112	0.305	0.518
33.6	21.82	36.124	25.140	0.305	0.518
34.5	21.68	35.992	25.080	0.305	0.518
35.8	21.34	36.093	25.250	0.305	0.509
37.1	21.11	36.147	25.355	0.275	0.513
38.3	20.97	36.119	25.373	0.244	0.500
39.2	20.79	36.195	25.477	0.244	0.486
40.1	20.74	36.168	25.472	0.244	0.500
41.0	20.68	36.217	25.525	0.244	0.500
42.3	20.68	36.217	25.525	0.314	0.507
43.7	20.62	36.266	25.578	0.383	0.513
45.0	20.58	36.043	25.419	0.383	0.526
46.0	20.58	36.043	25.419	0.383	0.526
47.0	20.54	36.082	25.461	0.398	0.534
47.7	20.39	36.165	25.563	0.430	0.533
48.5	20.39	36.138	25.542	0.453	0.543
49.3	20.39	36.093	25.508	0.461	0.541
50.0	20.39	36.093	25.508	0.461	0.541
51.3	20.39	36.093	25.508	0.461	0.553
52.7	20.39	36.049	25.474	0.476	0.549
54.0	20.25	35.726	25.267	0.476	0.537
55.0	20.17	35.820	25.361	0.476	0.537
56.0	20.11	35.937	25.465	0.430	0.537
57.0	20.11	35.937	25.465	0.383	0.538
58.0	20.11	35.937	25.465	0.398	0.534
59.0	20.11	35.963	25.485	0.398	0.542
60.0	20.11	35.963	25.485	0.430	0.563
61.3	20.11	35.963	25.485	0.546	0.565
62.5	20.11	36.004	25.516	0.569	0.581
63.7	20.11	36.004	25.516	0.593	0.598
65.0	20.11	36.004	25.516	0.662	0.611
66.0	20.05	36.053	25.569	0.740	0.622
67.0	20.01	36.020	25.554	0.833	0.644
68.0	20.01	36.020	25.554	0.863	0.649
68.9	19.97	35.970	25.528	0.848	0.639
69.8	19.82	35.912	25.522	0.709	0.637
70.8	19.82	35.912	25.522	0.755	0.638
72.0	19.82	35.912	25.522	0.779	0.653
73.2	19.82	35.912	25.522	0.825	0.646
74.5	19.82	35.912	25.522	0.825	0.660
75.5	19.68	36.035	25.653	0.802	0.667
76.5	19.68	36.035	25.653	0.802	0.656
77.5	19.68	36.035	25.653	0.802	0.656
78.3	19.68	36.035	25.653	0.848	0.663
79.2	19.68	36.035	25.653	0.848	0.669
80.1	19.68	36.035	25.653	0.833	0.674
81.2	19.68	36.035	25.653	0.779	0.657
82.3	19.68	36.148	25.739	0.755	0.649
83.5	19.68	36.148	25.739	0.662	0.637
84.7	19.68	36.184	25.767	0.662	0.633
85.8	19.63	36.193	25.787	0.662	0.633
86.9	19.63	36.080	25.701	0.709	0.637
88.0	19.63	36.080	25.701	0.740	0.643
89.0	19.63	36.080	25.701	0.740	0.622
90.0	19.63	36.080	25.701	0.677	0.629
91.0	19.63	35.967	25.614	0.593	0.613
92.0	19.63	35.967	25.614	0.569	0.589
93.0	19.63	35.967	25.614	0.569	0.605
94.0	19.63	35.967	25.614	0.569	0.589
95.2	19.63	35.926	25.583	0.554	0.581
96.5	19.63	35.926	25.583	0.546	0.565
97.8	19.63	35.854	25.528	0.491	0.569
98.8	19.63	35.854	25.528	0.476	0.561
99.8	19.63	35.854	25.528	0.476	0.561
100.8	19.63	35.777	25.470	0.461	0.566
101.6	19.63	35.777	25.470	0.453	0.556
102.5	19.63	35.777	25.470	0.453	0.556
103.3	19.63	35.777	25.470	0.430	0.563
104.1	19.63	35.777	25.470	0.430	0.563
105.5	19.63	35.629	25.357	0.430	0.563
106.9	19.63	35.629	25.357	0.430	0.550
108.2	19.63	35.741	25.442	0.407	0.544
108.9	19.63	35.777	25.470	0.398	0.547
109.6	19.63	35.777	25.470	0.383	0.538
110.3	19.63	35.854	25.528	0.368	0.543
111.0	19.63	35.854	25.528	0.368	0.534
112.0	19.63	35.854	25.528	0.368	0.534
113.0	19.63	35.854	25.528	0.368	0.534
114.0	19.63	35.854	25.528	0.337	0.539
115.0	19.63	35.854	25.528	0.337	0.526
116.0	19.63	35.854	25.528	0.337	0.508
117.0	19.63	35.854	25.528	0.337	0.508

R/V KNØRR
OPERATION #0620.06

R/V KNORR
OPERATION #0620.06

FUCO/CHL RATIO -O-

OPERATION 0620.06 STATION 11 LATITUDE 36°58.1'N LONGITUDE 73°31.7'W DATE 06/20/82 TIME 1300

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
2.7	18.49	35.701	25.705	0.677	1.174
3.7	18.49	35.701	25.705	0.677	1.174
4.7	18.49	35.701	25.705	0.677	1.174
5.7	18.49	35.701	25.705	0.677	1.174
6.7	18.49	35.701	25.705	0.677	1.174
7.6	18.49	35.701	25.705	0.677	1.217
8.6	18.49	35.585	25.616	0.677	1.217
9.7	18.40	35.665	25.701	0.677	1.217
10.8	18.40	35.665	25.701	0.677	1.217
12.2	18.25	35.748	25.799	0.677	1.261
13.6	17.92	35.969	26.052	0.745	1.250
15.0	17.73	36.020	26.137	0.813	1.360
16.0	17.68	35.942	26.089	1.085	1.414
17.0	17.35	36.243	26.402	1.356	1.515
18.0	17.20	36.235	26.431	1.628	1.622
19.0	16.83	36.475	26.705	1.968	1.762
19.8	16.77	36.426	26.679	2.307	1.808
20.7	16.77	36.402	26.661	2.307	1.808
21.6	16.77	36.402	26.661	2.239	1.826
22.4	16.77	36.282	26.568	2.239	1.804
23.6	16.74	36.312	26.600	2.103	1.818
24.9	16.68	36.365	26.654	1.900	1.805
26.2	16.63	36.417	26.708	1.832	1.750
27.5	16.63	36.417	26.708	1.696	1.737
28.4	16.63	36.417	26.708	1.628	1.730
29.3	16.59	36.454	26.745	1.628	1.703
30.2	16.54	36.331	26.662	1.560	1.667
31.0	16.25	36.564	26.908	1.356	1.606
32.4	16.20	36.514	26.881	1.085	1.552
33.8	16.11	36.550	26.930	0.881	1.500
35.2	16.11	36.550	26.930	0.813	1.440
36.6	16.11	36.282	26.724	0.677	1.348
37.8	16.11	36.238	26.691	0.541	1.333
38.9	16.11	36.238	26.691	0.541	1.286
40.0	16.11	36.160	26.631	0.473	1.300
41.2	16.11	36.038	26.537	0.473	1.250
42.1	16.11	36.111	26.593	0.473	1.250
43.0	16.11	36.077	26.567	0.405	1.263
43.8	16.11	36.063	26.556	0.405	1.263
44.9	16.11	36.038	26.537	0.405	1.210
46.0	16.11	36.038	26.537	0.405	1.210
47.2	16.11	36.038	26.537	0.405	1.158
48.4	16.11	36.038	26.537	0.337	1.167
49.6	16.11	36.038	26.537	0.337	1.111
50.8	16.11	36.038	26.537	0.337	1.111
51.6	16.11	36.038	26.537	0.337	1.056
52.4	16.11	36.038	26.537	0.337	1.056
53.2	16.11	36.038	26.537	0.337	1.000
54.7	16.11	36.038	26.537	0.337	1.059
56.2	16.11	36.038	26.537	0.269	1.059
57.8	16.11	36.038	26.537	0.269	1.000
58.6	16.11	36.038	26.537	0.269	1.000
59.3	16.11	36.038	26.537	0.269	1.000
60.0	16.11	36.038	26.537	0.269	1.000
60.9	16.11	36.038	26.537	0.269	1.000
61.9	16.11	36.038	26.537	0.269	1.000
62.9	16.11	36.038	26.537	0.269	0.941
63.8	16.11	36.038	26.537	0.269	0.941
64.7	16.11	36.038	26.537	0.269	0.941
65.7	16.11	36.038	26.537	0.269	0.941
66.6	16.11	36.038	26.537	0.269	0.941
67.9	16.11	36.077	26.567	0.202	1.000
69.2	16.11	36.077	26.567	0.202	0.938
70.5	16.11	36.077	26.567	0.202	0.938
71.5	16.11	36.077	26.567	0.202	0.938
72.5	16.11	36.077	26.567	0.202	0.938
73.5	16.11	36.077	26.567	0.202	0.938
74.8	16.11	36.077	26.567	0.202	0.938
76.0	16.11	36.077	26.567	0.202	0.938
76.9	16.11	36.077	26.567	0.202	0.938
77.8	16.11	36.077	26.567	0.202	0.938
78.7	16.11	36.077	26.567	0.202	0.938
79.5	16.11	36.077	26.567	0.202	0.938
80.4	16.11	36.077	26.567	0.202	0.938
81.3	16.11	36.077	26.567	0.202	0.938
82.2	16.11	36.077	26.567	0.202	0.938
83.0	16.11	36.077	26.567	0.202	0.938

R/V KNORR
OPERATION #0622.07

R/V KNORR
OPERATION #0622.07

FUCO/CHL RATIO -O-

OPERATION 0622.07 STATION 12 LATITUDE 36°54.3'N. LONGITUDE 73°51.8'W DATE 06/22/82 TIME 1538

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (g/100)	SIGMA T	CHLOROPHYLL (ug/l)	FUCCO:CHL
3.9	18.91	35.794	25.668	0.629	0.598
4.7	18.91	35.794	25.668	0.640	0.612
5.5	18.91	35.794	25.668	0.661	0.620
6.8	18.91	35.794	25.668	0.661	0.626
7.9	18.87	35.828	25.705	0.675	0.642
9.0	18.87	35.828	25.705	0.682	0.637
10.1	18.87	35.828	25.705	0.682	0.640
11.2	18.87	35.828	25.705	0.689	0.643
12.5	18.85	35.843	25.721	0.692	0.641
13.9	18.82	35.868	25.747	0.703	0.654
15.3	18.54	36.002	25.922	0.734	0.660
16.6	18.45	36.078	26.001	0.787	0.690
17.4	18.40	36.086	26.022	0.815	0.698
18.2	17.97	36.345	26.327	0.892	0.721
19.0	17.82	36.285	26.316	1.039	0.765
20.0	17.54	36.381	26.460	1.165	0.784
21.0	17.31	36.431	26.554	1.305	0.818
22.0	17.20	36.496	26.632	1.613	0.839
23.0	17.14	36.429	26.594	1.991	0.891
24.0	17.11	36.292	26.496	2.243	0.942
25.2	16.83	36.523	26.741	2.320	0.956
26.3	16.74	36.553	26.785	2.330	0.952
27.2	16.68	36.509	26.765	2.215	0.976
28.3	16.63	36.417	26.707	2.089	0.975
29.5	16.40	36.505	26.829	1.879	0.972
30.6	16.25	36.593	26.930	1.595	0.952
31.7	16.17	36.545	26.913	1.396	0.929
32.9	16.17	36.511	26.887	1.280	0.918
33.9	16.17	36.497	26.876	1.186	0.907
34.8	16.17	36.472	26.857	1.123	0.875
36.0	16.17	36.472	26.857	1.039	0.882
37.1	16.17	36.472	26.857	0.976	0.877
38.2	16.17	36.351	26.764	0.892	0.844
39.3	16.17	36.351	26.764	0.808	0.819
40.4	16.20	36.319	26.732	0.745	0.796
41.4	16.20	36.319	26.732	0.734	0.785
42.4	16.20	36.319	26.732	0.724	0.770
43.4	16.20	36.319	26.732	0.692	0.763
44.4	16.20	36.198	26.638	0.671	0.733
45.4	16.20	36.198	26.638	0.640	0.714
46.5	16.20	36.198	26.638	0.591	0.700
47.5	16.20	36.198	26.638	0.556	0.681
48.6	16.20	36.154	26.605	0.556	0.656
49.8	16.20	36.154	26.605	0.524	0.644
50.8	16.20	36.154	26.605	0.493	0.619
51.9	16.20	36.154	26.605	0.479	0.613
52.9	16.20	36.154	26.605	0.465	0.603
54.2	16.20	36.154	26.605	0.461	0.580
55.5	16.20	36.154	26.605	0.440	0.574
56.8	16.20	36.154	26.605	0.430	0.564
57.9	16.20	36.154	26.605	0.409	0.553
59.0	16.20	36.154	26.605	0.398	0.551
60.0	16.20	36.154	26.605	0.398	0.551
60.9	16.20	36.154	26.605	0.395	0.536
61.8	16.20	36.154	26.605	0.388	0.522
62.7	16.20	36.154	26.605	0.380	0.510
63.6	16.20	36.154	26.605	0.367	0.458
64.5	16.20	36.154	26.605	0.356	0.493
65.4	16.20	36.154	26.605	0.356	0.488
66.3	16.20	36.154	26.605	0.367	0.481
67.3	16.25	36.107	26.557	0.367	0.486
68.2	16.25	36.107	26.557	0.367	0.500
69.1	16.25	36.107	26.557	0.356	0.488
70.0	16.25	36.107	26.557	0.356	0.488
71.0	16.25	36.107	26.557	0.356	0.479
72.0	16.25	36.107	26.557	0.356	0.479
73.0	16.25	36.107	26.557	0.356	0.479
74.0	16.25	36.107	26.557	0.356	0.479
75.0	16.25	36.107	26.557	0.356	0.479
76.0	16.25	36.107	26.557	0.356	0.479
77.7	16.25	36.107	26.557	0.356	0.479
79.3	16.25	36.107	26.557	0.356	0.479
81.0	16.25	36.107	26.557	0.356	0.469
81.9	16.25	36.107	26.557	0.353	0.472
82.8	16.25	36.107	26.557	0.353	0.472
83.7	16.25	36.107	26.557	0.353	0.472

R/V KNØRR
OPERATION #0623.01

R/V KNORR
OPERATION #0623.01

FUCO/CHL RATIO -O-

OPERATION 0623.01 STATION 13 LATITUDE 37°20.7'N. LONGITUDE 72°57.1'W DATE 06/23/82 TIME 1210

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCCI:CHL
1.8	-	-	-	0.539	0.649
2.7	-	-	-	0.539	0.649
3.6	-	-	-	0.539	0.662
4.5	-	-	-	0.539	0.662
5.5	-	-	-	0.539	0.666
6.6	-	-	-	0.539	0.666
7.7	-	-	-	0.539	0.666
8.8	-	-	-	0.539	0.666
9.9	-	-	-	0.539	0.676
10.9	-	-	-	0.539	0.689
12.2	-	-	-	0.567	0.714
13.6	-	-	-	0.582	0.720
15.0	-	-	-	0.625	0.750
16.2	-	-	-	0.694	0.747
17.4	-	-	-	0.739	0.788
18.6	-	-	-	0.854	0.866
19.7	-	-	-	0.883	0.841
21.0	-	-	-	0.883	0.841
22.9	-	-	-	0.883	0.829
24.5	-	-	-	0.926	0.843
26.1	-	-	-	0.926	0.867
26.9	-	-	-	1.012	0.882
27.7	-	-	-	1.098	0.920
28.5	-	-	-	1.227	1.000
29.7	-	-	-	1.227	0.989
30.9	-	-	-	1.198	0.985
32.0	-	-	-	1.184	0.989
33.1	-	-	-	1.184	0.989
34.2	-	-	-	1.198	1.015
35.3	11.26	34.053	26.012	1.210	1.038
36.4	11.45	34.061	25.983	1.227	1.044
37.5	11.49	34.292	26.155	1.227	1.056
38.6	11.49	34.561	26.364	1.198	1.060
39.6	11.49	34.829	26.572	1.098	1.075
40.2	11.49	34.964	26.677	1.038	1.059
40.8	11.49	34.964	26.677	0.911	1.016
41.4	11.49	34.964	26.677	0.883	0.988
42.0	11.49	35.098	26.781	0.854	0.935
43.3	11.49	35.098	26.781	0.739	0.916
44.7	11.49	35.098	26.781	0.694	0.859
46.0	11.49	35.233	26.886	0.582	0.835
47.1	11.49	35.233	26.886	0.567	0.804
48.2	11.49	35.233	26.886	0.496	0.740
49.3	11.49	35.233	26.886	0.410	0.732
50.6	11.49	35.233	26.886	0.367	0.686
51.8	11.49	35.233	26.886	0.281	0.632
53.0	11.49	35.276	26.919	0.223	0.620
54.0	11.49	35.276	26.919	0.223	0.600
55.0	11.49	35.276	26.919	0.195	0.576
56.0	11.49	35.276	26.919	0.195	0.576
57.0	11.49	35.276	26.919	0.195	0.565
58.1	11.49	35.233	26.886	0.195	0.561
59.3	11.49	34.964	26.677	0.178	0.569
60.5	11.54	34.861	26.586	0.166	0.571
61.7	11.60	34.807	26.533	0.166	0.566
63.0	11.64	34.957	26.643	0.152	0.554
64.3	11.69	35.086	26.734	0.152	0.538
65.6	11.83	34.988	26.631	0.152	0.533
66.4	11.97	34.854	26.500	0.109	0.531
67.2	12.00	34.965	26.580	0.109	0.521
67.9	12.02	35.130	26.705	0.109	0.516
68.6	12.06	35.092	26.668	0.109	0.516
69.3	12.11	35.213	26.751	0.109	0.500
70.1	12.11	35.251	26.780	0.109	0.500
70.9	12.11	35.251	26.780	0.109	0.500
72.1	12.11	35.304	26.821	0.109	0.500
73.3	12.11	35.251	26.780	0.109	0.500
74.5	12.11	35.213	26.751	0.109	0.500
75.7	12.11	35.213	26.751	0.109	0.484
76.7	12.11	35.213	26.751	0.109	0.484
77.7	12.11	35.213	26.751	0.109	0.484
78.7	12.17	35.197	26.727	0.109	0.479
79.7	12.21	35.217	26.736	0.066	0.486
80.8	12.26	35.253	26.754	0.066	0.476
81.9	12.40	35.167	26.659	0.066	0.476
82.9	12.40	35.167	26.659	0.066	0.476

R/V KNØRR

OPERATION #0623.03

TEMPERATURE (°C) -O-

R/V KNORR
OPERATION #0623.03

FUCO/CHL RATIO -O-

OPERATION 0623.03 STATION 14 LATITUDE 37° 8.2'N. LONGITUDE 73° 9.2'W DATE 06/23/82 TIME 1635

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCC:CHL
2.3	15.60	33.449	24.666	0.549	0.684
3.6	15.48	33.380	24.638	0.549	0.684
4.8	15.06	33.580	24.885	0.624	0.683
6.2	14.91	33.421	24.795	0.736	0.723
7.6	14.68	33.574	24.961	0.822	0.734
8.8	13.92	33.659	25.188	0.871	0.754
10.0	13.89	33.638	25.179	0.959	0.809
11.1	13.77	33.739	25.281	0.996	0.829
11.9	13.77	33.703	25.253	1.108	0.860
12.7	13.77	33.703	25.253	1.131	0.883
13.5	13.71	33.754	25.304	1.169	0.902
14.7	13.69	33.779	25.329	1.269	0.915
15.9	13.54	33.905	25.455	1.332	0.949
17.1	13.40	34.033	25.583	1.592	0.981
18.2	13.35	34.038	25.597	1.853	1.062
19.3	13.26	33.991	25.580	2.114	1.111
20.4	12.97	34.072	25.699	2.226	1.187
21.6	12.59	34.205	25.878	2.337	1.185
22.8	11.83	34.062	25.913	2.412	1.234
23.9	11.54	34.148	26.033	2.375	1.291
25.0	11.45	33.879	25.842	2.375	1.307
26.1	11.40	33.835	25.816	2.412	1.313
27.2	11.26	33.913	25.903	2.461	1.330
28.4	11.26	33.875	25.873	2.561	1.364
29.6	11.12	34.007	26.002	2.659	1.389
30.9	11.06	34.011	26.014	2.710	1.397
31.9	11.03	33.908	25.940	2.747	1.411
32.9	10.97	33.776	25.848	2.784	1.420
34.2	10.97	33.690	25.781	2.808	1.433
35.3	10.97	33.554	25.676	2.859	1.443
36.8	10.97	33.284	25.466	2.933	1.451
38.1	10.97	33.203	25.403	2.971	1.461
38.7	11.03	33.184	25.378	3.008	1.454
39.3	11.12	33.289	25.444	2.971	1.461
39.9	11.60	33.173	25.266	2.859	1.438
40.4	11.69		25.768	2.486	1.415
41.4	11.69		26.347	1.965	1.328
42.5	11.69		26.389	1.592	1.232
43.7	11.69		26.347	1.467	1.169
44.9	11.69		26.347	1.467	1.169
46.1	11.69		26.389	1.467	1.156
47.2	11.69		26.431	1.318	1.149
48.2	11.69		26.597	1.169	1.078
49.3	11.64		26.539	1.071	1.043
50.5	11.60		26.533	1.020	1.000
51.7	11.43		26.583	0.982	0.982
52.7	10.92		26.888	0.922	0.939
53.7	10.40		26.938	0.847	0.907
54.8	10.12		26.771	0.773	0.873
56.1	10.12		26.624	0.722	0.835
57.4	10.12		26.624	0.698	0.805
58.4	9.97		26.795	0.698	0.813
59.3	9.92		26.711	0.698	0.805
60.2	9.83		26.887	0.698	0.800
61.2	9.83		26.774	0.698	0.797
62.3	9.83		26.774	0.673	0.750
63.5	9.83		26.817	0.624	0.733
64.4	9.83		26.817	0.624	0.716
65.4	9.73		26.907	0.587	0.709
66.3	9.73		26.863	0.573	0.687
68.0	9.72		26.848	0.573	0.678
69.7	9.69		26.875	0.573	0.674
71.5	9.40		26.995	0.549	0.667
72.2	9.35		26.746	0.524	0.638
72.9	9.35	34.194	26.451	0.475	0.614
73.8	9.35	34.048	26.337	0.438	0.608
74.7	9.40	34.111	26.378	0.438	0.587
75.6	9.89	33.875	26.113	0.475	0.579
76.4	10.30	33.850	26.023	0.520	0.587
77.6	10.40	34.221	26.295	0.549	0.590
78.9	10.49	34.190	26.255	0.573	0.593
80.1	10.49	34.272	26.318	0.573	0.593
81.0	10.49	34.272	26.318	0.549	0.598
81.9	10.49	34.409	26.425	0.549	0.590
82.8	10.49	34.223	26.280	0.524	0.582
83.7	10.49	34.223	26.280	0.524	0.556

R/V KNØRR
OPERATION #0623.07

R/V KNORR
OPERATION #0623.07

FUCO/CHL RATIO -O-

OPERATION 0623.07 STATION 15 LATITUDE 37° 0.0'N LONGITUDE 73°24.0'W DATE 06/24/82 TIME 0010

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
3.3	18.40	34.673	24.942	0.383	0.551
4.6	18.40	34.673	24.942	0.383	0.551
5.9	18.40	34.673	24.942	0.383	0.551
7.0	18.40	34.742	24.995	0.383	0.551
8.0	18.40	35.041	25.224	0.368	0.561
8.9	18.40	35.087	25.259	0.368	0.561
9.8	18.28	35.301	25.451	0.379	0.571
10.7	18.11	35.566	25.695	0.390	0.581
11.7	17.97	35.574	25.737	0.412	0.583
12.8	17.88	35.607	25.783	0.423	0.605
13.9	17.88	35.579	25.762	0.434	0.610
15.1	17.77	35.632	25.831	0.434	0.622
16.2	17.73	35.667	25.867	0.441	0.641
17.3	17.54	35.753	25.979	0.456	0.643
18.5	17.25	35.851	26.123	0.478	0.663
19.7	17.20	35.783	26.085	0.511	0.674
21.3	16.83	36.043	26.373	0.566	0.695
23.0	16.63	36.128	26.486	0.610	0.735
23.8	16.59	36.130	26.497	0.654	0.745
24.6	16.25	36.151	26.590	0.709	0.766
25.4	16.17	36.107	26.577	0.797	0.817
26.6	16.01	36.004	26.533	0.907	0.853
27.8	15.97	35.880	26.449	0.929	0.871
28.9	15.83	35.848	26.457	0.984	0.879
30.2	15.63	35.741	26.418	1.094	0.901
31.6	15.54	35.750	26.446	1.270	0.937
33.0	15.44	35.740	26.460	1.512	0.963
34.3	15.26	35.838	26.578	1.798	1.010
35.2	15.11	35.845	26.615	1.798	1.029
36.1	15.06	35.723	26.533	1.666	1.026
37.0	15.06	35.395	26.281	1.655	1.036
37.9	15.06	35.197	26.128	1.629	1.084
38.8	15.06	35.147	26.090	1.424	1.105
39.8	15.06	35.226	26.151	1.006	1.060
40.8	15.11	35.225	26.138	0.786	0.982
41.8	15.11	35.180	26.104	0.691	0.893
42.9	15.11	35.180	26.104	0.687	0.895
44.0	15.11	35.180	26.104	0.676	0.885
45.1	15.11	35.180	26.104	0.654	0.873
46.3	15.11	35.180	26.104	0.610	0.847
47.5	15.11	35.225	26.138	0.599	0.825
48.7	15.26	35.220	26.102	0.573	0.792
49.9	15.44	35.247	26.082	0.610	0.847
50.7	15.44	35.296	26.119	0.621	0.848
51.5	15.44	35.346	26.157	0.621	0.859
52.4	15.44	35.375	26.180	0.643	0.851
53.4	15.44	35.375	26.180	0.643	0.861
54.3	15.44	35.375	26.180	0.643	0.851
55.3	15.44	35.375	26.180	0.632	0.853
56.3	15.44	35.375	26.180	0.643	0.845
57.3	15.44	35.420	26.214	0.647	0.849
58.3	15.44	35.420	26.214	0.647	0.849
59.4	15.44	35.420	26.214	0.647	0.849
60.5	15.44	35.420	26.214	0.654	0.843
61.6	15.54	35.455	26.219	0.654	0.843
62.6	15.68	35.326	26.088	0.647	0.842
63.7	15.83	35.321	26.051	0.632	0.813
64.8	15.83	35.360	26.082	0.603	0.801
65.9	15.83	35.360	26.082	0.566	0.780
67.0	15.83	35.360	26.082	0.529	0.728
68.0	15.83	35.360	26.082	0.522	0.711
69.1	15.83	35.360	26.082	0.515	0.705
70.1	15.83	35.360	26.082	0.511	0.697
71.1	15.83	35.360	26.082	0.500	0.705
72.1	15.83	35.360	26.082	0.500	0.697
73.2	15.83	35.360	26.082	0.489	0.690
74.3	15.83	35.360	26.082	0.456	0.667
75.3	15.83	35.394	26.108	0.397	0.585
76.4	15.83	35.443	26.145	0.368	0.566
77.4	15.83	35.521	26.205	0.353	0.554
78.5	15.83	35.521	26.205	0.339	0.546
80.1	15.83	35.521	26.205	0.339	0.546
81.8	15.83	35.521	26.205	0.335	0.548
82.3	15.83	35.521	26.205	0.346	0.541
82.8	15.83	35.521	26.205	0.337	0.533
83.3	15.83	35.521	26.205	0.324	0.500

R/V KNØRR
OPERATION #0624.01

TEMPERATURE (°C) -O-

R/V KNORR
OPERATION #0624.01

FUCO/CHL RATIO -O-

OPERATION 0624.01 STATION 16 LATITUDE 36°36.0'N LONGITUDE 74°36.5'W DATE 06/24/82 TIME 1034

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
4.6	19.06	35.096	25.098	0.277	0.615
5.7	19.06	35.096	25.098	0.277	0.615
6.8	19.02	35.084	25.098	0.277	0.615
7.9	19.02	35.084	25.098	0.277	0.620
9.4	18.97	35.059	25.093	0.277	0.620
10.9	18.91	35.108	25.145	0.286	0.617
11.8	18.82	35.135	25.188	0.286	0.617
12.6	18.68	35.225	25.292	0.286	0.627
13.9	18.54	35.311	25.394	0.286	0.627
15.2	18.34	35.368	25.487	0.286	0.636
16.5	18.11	35.380	25.553	0.286	0.642
17.7	17.82	35.231	25.510	0.313	0.686
18.9	17.77	35.239	25.530	0.366	0.705
20.1	17.35	35.452	25.796	0.393	0.732
21.4	17.20	35.427	25.812	0.420	0.744
22.8	16.59	35.634	26.117	0.420	0.764
24.1	15.60	35.895	26.545	0.455	0.873
25.2	15.11	36.044	26.768	0.562	0.914
26.3	14.97	35.852	26.652	0.634	0.933
27.4	14.49	36.172	27.004	0.669	0.984
28.4	14.30	36.095	26.986	0.705	1.004
29.4	13.97	36.066	27.034	0.741	1.059
30.4	13.83	35.903	26.939	0.812	1.108
31.6	13.69	35.909	26.973	0.901	1.185
32.9	13.54	35.612	26.773	1.026	1.310
34.1	13.40	35.611	26.802	1.276	1.288
35.3	13.40	35.560	26.762	1.347	1.125
36.3	13.40	35.560	26.762	1.115	1.102
37.3	13.40	35.560	26.762	0.982	1.075
38.3	13.40	35.405	26.643	0.883	1.030
39.3	13.40	35.405	26.643	0.794	1.035
40.2	13.40	35.405	26.643	0.776	1.015
41.2	13.40	35.405	26.643	0.741	1.031
42.1	13.40	35.534	26.742	0.741	1.031
43.1	13.40	35.560	26.762	0.741	1.016
44.2	13.40	35.534	26.742	0.741	1.000
45.3	13.40	35.534	26.742	0.714	0.996
46.3	13.40	35.575	26.774	0.705	0.984
47.4	13.40	35.611	26.802	0.705	0.968
48.4	13.35	35.659	26.850	0.688	0.959
49.5	13.35	35.763	26.930	0.677	0.931
50.7	13.35	35.763	26.930	0.634	0.900
51.9	13.35	35.711	26.890	0.598	0.839
53.0	13.35	35.623	26.822	0.527	0.754
54.0	13.35	35.582	26.790	0.455	0.691
55.0	13.35	35.453	26.690	0.340	0.638
56.0	13.35	35.453	26.690	0.259	0.576
57.0	13.35	35.453	26.690	0.241	0.571
58.0	13.35	35.453	26.690	0.233	0.554
59.2	13.35	35.453	26.690	0.233	0.533
60.4	13.35	35.453	26.690	0.206	0.531
61.6	13.35	35.453	26.690	0.206	0.516
62.8	13.35	35.453	26.690	0.179	0.508
63.8	13.35	35.453	26.690	0.179	0.508
64.8	13.35	35.453	26.690	0.179	0.508
65.8	13.35	35.453	26.690	0.179	0.492
66.7	13.35	35.453	26.690	0.179	0.492
67.6	13.40	35.405	26.643	0.179	0.492
68.5	13.40	35.405	26.643	0.179	0.492
69.6	13.40	35.534	26.742	0.179	0.492
70.8	13.40	35.534	26.742	0.179	0.492
71.9	13.40	35.405	26.643	0.179	0.492
73.0	13.40	35.405	26.643	0.179	0.486
74.1	13.40	35.534	26.742	0.179	0.486
75.2	13.54	35.401	26.610	0.179	0.476
76.3	13.54	35.442	26.642	0.179	0.476
77.4	13.66	35.398	26.588	0.179	0.476
78.5	13.73	35.354	26.535	0.179	0.476
80.0	13.77	35.399	26.561	0.179	0.476
81.5	13.77	35.399	26.561	0.179	0.476
82.9	13.83	35.346	26.509	0.179	0.476
83.4	13.83	35.520	26.643	0.179	0.476
83.9	13.83	35.520	26.643	0.179	0.476
84.8	13.83	35.520	26.643	0.179	0.476
85.7	13.83	35.520	26.643	0.179	0.476
86.6	13.83	35.520	26.643	0.179	0.476

R/V KNØRR
OPERATION #0624.03

R/V KNORR
OPERATION #0624.03

FUCO/CHL RATIO -O-

OPERATION 0624.03 STATION 17 LATITUDE 36°42.2'N LONGITUDE 74°24.2'W DATE 06/24/82 TIME 1440

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCC:CHL
3.3	18.82	34.952	25.048	0.282	0.532
4.8	18.68	35.074	25.177	0.282	0.532
5.8	18.49	35.240	25.352	0.282	0.532
6.9	18.40	35.318	25.435	0.282	0.547
8.0	18.34	35.368	25.487	0.286	0.544
9.0	18.34	35.368	25.487	0.308	0.548
10.3	18.30		25.701	0.340	0.566
11.7	18.25		25.742	0.351	0.584
13.0	17.92		26.017	0.368	0.593
15.1	17.35		26.095	0.394	0.622
15.9	16.74		26.107	0.447	0.674
16.7	16.74	35.019	25.608	0.512	0.768
17.7	16.74	35.019	25.608	0.533	0.787
18.7	16.74	35.019	25.608	0.544	0.800
19.7	16.74	35.019	25.608	0.555	0.813
20.6	16.74	35.019	25.608	0.555	0.805
21.6	16.74	35.019	25.608	0.540	0.792
22.8	16.74	35.019	25.608	0.533	0.787
24.0	16.74	34.995	25.590	0.523	0.774
25.2	16.74	34.875	25.498	0.523	0.785
26.1	16.74	35.019	25.608	0.523	0.785
27.1	16.74	35.019	25.608	0.523	0.788
27.8	16.74	35.019	25.608	0.540	0.789
29.3	16.74	35.019	25.608	0.566	0.804
30.7	16.57	35.169	25.764	0.619	0.853
31.9	16.40	35.056	25.717	0.781	0.940
33.1	16.20	35.058	25.764	1.221	1.038
34.2	15.44	35.375	26.180	1.823	1.215
35.2	15.48	35.383	26.177	1.286	1.244
36.3	15.48	35.507	26.272	0.877	1.175
37.4	15.48	35.630	26.367	0.662	1.057
38.4	15.48	35.630	26.367	0.533	0.936
39.5	15.48	35.630	26.367	0.486	0.848
40.6	15.48	35.669	26.397	0.469	0.833
41.6	15.48	35.704	26.423	0.454	0.800
42.6	15.48	35.704	26.423	0.415	0.755
43.6	15.54	35.652	26.371	0.383	0.716
44.6	15.54	35.652	26.371	0.372	0.692
45.7	15.54	35.652	26.371	0.361	0.667
46.8	15.60	35.649	26.356	0.354	0.647
48.0	15.63	35.667	26.362	0.329	0.653
49.0	15.63	35.696	26.384	0.329	0.627
50.1	15.63	35.696	26.384	0.325	0.625
51.1	15.68	35.650	26.337	0.318	0.622
52.0	15.83	35.565	26.239	0.318	0.622
53.0	15.83	35.687	26.333	0.318	0.622
53.9	15.83	35.687	26.333	0.318	0.622
55.2	15.83	35.687	26.333	0.325	0.625
56.5	15.83	35.687	26.333	0.325	0.625
57.7	15.83	35.687	26.333	0.329	0.640
58.7	15.83	35.687	26.333	0.329	0.627
59.7	15.83	35.687	26.333	0.325	0.625
60.7	15.83	35.687	26.333	0.318	0.612
61.6	15.83	35.687	26.333	0.311	0.582
62.5	15.83	35.687	26.333	0.311	0.573
63.5	15.83	35.687	26.333	0.308	0.575
64.5	15.83	35.687	26.333	0.297	0.583
65.5	15.83	35.687	26.333	0.286	0.577
66.5	15.97	35.558	26.201	0.286	0.544
67.4	15.97	35.680	26.295	0.275	0.543
68.4	15.97	35.680	26.295	0.268	0.519
69.4	15.97	35.680	26.295	0.268	0.519
70.5	15.97	35.680	26.295	0.268	0.505
71.5	16.00	35.654	26.269	0.268	0.505
72.7	16.00	35.654	26.269	0.268	0.505
73.9	16.00	35.693	26.298	0.254	0.509
75.0	16.00	35.693	26.298	0.239	0.500
76.1	16.00	35.693	26.298	0.232	0.470
77.3	16.00	35.693	26.298	0.232	0.470
78.4	16.00	35.693	26.298	0.232	0.470
79.4	16.00	35.693	26.298	0.232	0.470
80.4	16.00	35.693	26.298	0.232	0.464
81.4	16.00	35.693	26.298	0.232	0.455
82.5	16.00	35.693	26.298	0.232	0.455
83.5	16.00	35.693	26.298	0.232	0.455

R/V KNØRR
OPERATION #0624.07

TEMPERATURE (°C) -O-

R/V KNORR
OPERATION #0624.07

FUCO/CHL RATIO -O-

OPERATION 0624.07 STATION 18 LATITUDE 36°50.1'N LONGITUDE 74° 5.2'W DATE 06/24/82 TIME 2016

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
3.7	-	-	-	0.660	0.695
4.8	-	-	-	0.664	0.703
5.9	-	-	-	0.698	0.716
7.0	-	-	-	0.723	0.727
8.0	-	-	-	0.764	0.741
9.1	-	-	-	0.798	0.747
10.2	-	-	-	0.835	0.756
11.4	-	-	-	0.881	0.766
12.5	-	-	-	0.898	0.774
13.7	-	-	-	0.931	0.782
14.9	-	-	-	0.964	0.794
16.1	-	-	-	1.048	0.809
17.3	-	-	-	1.323	0.861
18.0	-	-	-	1.698	0.894
18.8	-	-	-	1.923	0.951
19.6	-	-	-	2.098	0.982
20.9	-	-	-	2.164	1.007
22.3	-	-	-	1.998	1.019
23.6	-	-	-	1.581	0.974
24.4	-	-	-	1.348	0.950
25.2	-	-	-	1.214	0.931
26.0	-	-	-	1.098	0.900
26.8	-	-	-	0.998	0.879
28.0	-	-	-	0.864	0.857
29.3	-	-	-	0.664	0.798
30.6	-	-	-	0.573	0.755
31.8	-	-	-	0.531	0.740
32.7	-	-	-	0.523	0.695
33.6	-	-	-	0.481	0.706
34.5	16.59	35.649	26.128	0.464	0.683
35.6	16.59	35.649	26.128	0.431	0.669
36.7	16.59	35.649	26.128	0.410	0.635
37.8	16.59	35.649	26.128	0.373	0.622
39.1	16.59	35.649	26.128	0.335	0.608
40.3	16.59	35.649	26.128	0.314	0.586
41.6	16.59	35.649	26.128	0.298	0.566
42.6	16.59	35.649	26.128	0.285	0.560
43.7	16.59	35.649	26.128	0.273	0.558
44.7	16.59	35.649	26.128	0.273	0.554
45.8	16.59	35.649	26.128	0.273	0.554
46.9	16.59	35.649	26.128	0.264	0.546
48.0	16.59	35.649	26.128	0.248	0.542
48.8	16.59	35.649	26.128	0.235	0.526
49.7	16.59	35.649	26.128	0.223	0.514
50.5	16.59	35.649	26.128	0.214	0.505
51.9	16.59	35.649	26.128	0.214	0.500
53.3	16.59	35.649	26.128	0.210	0.493
54.3	16.59	35.649	26.128	0.198	0.500
55.3	16.59	35.649	26.128	0.198	0.490
56.6	16.59	35.649	26.128	0.198	0.490
57.9	16.59	35.649	26.128	0.198	0.490
59.2	16.59	35.649	26.128	0.198	0.490
59.8	16.59	35.649	26.128	0.198	0.490
60.4	16.59	35.649	26.128	0.198	0.490
61.0	16.59	35.649	26.128	0.185	0.493
62.1	16.59	35.649	26.128	0.181	0.480
63.1	16.63	35.613	26.091	0.181	0.465
64.2	16.63	35.613	26.091	0.173	0.464
65.3	16.63	35.613	26.091	0.173	0.464
66.4	16.63	35.613	26.091	0.173	0.464
67.5	16.63	35.613	26.091	0.173	0.464
68.7	16.63	35.613	26.091	0.173	0.464
69.8	16.63	35.613	26.091	0.173	0.464
71.0	16.63	35.647	26.117	0.160	0.451
72.3	16.63	35.647	26.117	0.160	0.451
73.6	16.63	35.647	26.117	0.160	0.451
74.9	16.63	35.647	26.117	0.160	0.451
75.5	16.63	35.647	26.117	0.160	0.451
76.1	16.63	35.647	26.117	0.160	0.451
76.7	16.63	35.647	26.117	0.148	0.453
78.1	16.63	35.695	26.154	0.148	0.438
79.5	16.63	35.695	26.154	0.148	0.438
80.9	16.63	35.695	26.154	0.148	0.438
81.9	16.63	35.695	26.154	0.148	0.438
82.9	16.63	35.695	26.154	0.148	0.438
83.9	16.63	35.695	26.154	0.148	0.438

R/V KNORR
OPERATION #0625.01

TEMPERATURE (°C) -O-

R/V KNØRR
OPERATION #0625.01

OPERATION 0625.01 STATION 20 LATITUDE 36°56.9'N LONGITUDE 73°35.4'W DATE 06/25/82 TIME 1022

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
4.4	19.76	35.172	24.975	0.431	0.548
5.9	19.68	35.234	25.042	0.431	0.548
6.9	19.44	35.327	25.177	0.431	0.548
7.8	19.27	35.358	25.245	0.431	0.548
9.2	19.07	35.447	25.363	0.431	0.548
10.4	18.90	35.277	25.276	0.431	0.548
11.6	18.74	35.261	25.306	0.431	0.561
13.3	18.58	35.245	25.335	0.409	0.606
14.9	18.33	35.339	25.468	0.435	0.636
15.6	18.21	35.446	25.580	0.472	0.658
16.3	17.91	35.700	25.846	0.519	0.690
17.0	17.79	35.692	25.872	0.603	0.731
18.3	17.42	35.933	26.146	0.708	0.792
19.7	17.29	36.008	26.234	0.771	0.840
20.9	17.10	36.063	26.324	0.865	0.868
22.1	16.93	36.092	26.386	1.002	0.925
23.1	16.77	36.115	26.443	1.149	0.968
24.2	16.60	36.139	26.500	1.233	1.036
25.2	16.31	36.160	26.585	1.401	1.093
25.8	16.11	36.131	26.608	1.338	1.103
26.1	15.94	36.119	26.638	1.243	1.085
28.4	15.86	36.065	26.615	1.128	1.093
29.7	15.74	36.053	26.633	1.054	1.093
31.1	15.49	36.193	26.798	0.976	1.080
32.5	15.45	36.194	26.808	0.918	1.073
33.3	15.37	36.140	26.784	0.876	1.063
34.1	15.37	36.013	26.687	0.865	1.047
35.0	15.32	36.012	26.698	0.834	1.038
36.2	15.29	36.044	26.730	0.834	1.025
37.5	15.25	35.999	26.704	0.802	1.020
38.4	15.25	35.913	26.637	0.771	1.000
39.2	15.25	35.913	26.637	0.739	0.966
40.1	15.29	35.963	26.667	0.687	0.944
41.2	15.32	36.012	26.698	0.661	0.935
42.3	15.37	36.013	26.687	0.624	0.938
43.7	15.42	35.967	26.641	0.598	0.910
45.1	15.45	36.067	26.711	0.613	0.833
46.1	15.45	36.067	26.711	0.535	0.859
47.1	15.52	36.130	26.744	0.535	0.859
48.1	15.62	36.080	26.683	0.519	0.845
49.0	15.62	36.166	26.749	0.498	0.835
49.9	15.62	36.166	26.749	0.477	0.802
50.6	15.62	36.246	26.811	0.456	0.783
51.2	15.62	36.246	26.811	0.435	0.738
52.5	15.62	36.246	26.811	0.418	0.709
53.9	15.62	36.246	26.811	0.409	0.696
54.8	15.62	36.246	26.811	0.372	0.643
55.7	15.62	36.246	26.811	0.361	0.649
57.3	15.62	36.246	26.811	0.351	0.618
58.9	15.62	36.246	26.811	0.351	0.618
60.3	15.62	36.292	26.846	0.351	0.618
61.7	15.62	36.292	26.846	0.346	0.603
62.8	15.62	36.292	26.846	0.309	0.585
63.4	15.74	36.178	26.730	0.298	0.552
64.3	15.74	36.178	26.730	0.283	0.551
65.7	15.74	36.304	26.827	0.283	0.551
67.1	15.74	36.304	26.827	0.283	0.551
68.5	15.74	36.304	26.827	0.283	0.541
69.4	15.77	36.282	26.804	0.251	0.537
70.3	15.77	36.282	26.804	0.251	0.507
71.0	15.77	36.282	26.804	0.246	0.495
71.7	15.77	36.282	26.804	0.235	0.485
72.4	15.77	36.282	26.804	0.225	0.490
73.3	15.77	36.282	26.804	0.225	0.475
74.3	15.77	36.282	26.804	0.225	0.469
75.2	15.78	36.268	26.790	0.220	0.462
76.4	15.78	36.268	26.790	0.220	0.462
77.7	15.78	36.394	26.887	0.220	0.462
78.9	15.78	36.394	26.887	0.220	0.462
79.9	15.78	36.394	26.887	0.220	0.462
80.9	15.78	36.394	26.887	0.220	0.462
81.9	15.78	36.394	26.887	0.220	0.462
82.9	15.74	36.430	26.924	0.220	0.462

R/V KNØRR
OPERATION #0626.07

R/V KNORR
OPERATION #0626.07

FUCC/CHL RATIO -O-

OPERATION 0626.07 STATION 22 LATITUDE 36°45.4'N LONGITUDE 73° 0.0'W DATE 06/26/82 TIME 1243

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
3.8	18.72	35.900	25.796	0.926	0.695
4.7	18.69	35.773	25.708	1.009	0.709
5.7	18.36	35.787	25.802	1.129	0.741
6.8	18.23	35.901	25.923	1.278	0.768
8.0	18.13	35.946	25.981	1.381	0.779
9.2	18.03	35.956	26.014	1.588	0.807
10.4	17.96	35.934	26.014	1.805	0.855
11.3	17.89	35.959	26.050	2.104	0.885
12.3	17.77	35.951	26.075	2.456	0.923
13.3	17.64	35.903	26.070	2.828	1.000
14.4	17.34	35.968	26.193	2.657	1.050
15.7	17.14	36.024	26.283	2.435	1.055
17.0	17.04	36.113	26.375	2.084	1.043
18.1	16.84	36.046	26.371	1.567	0.996
19.2	16.67	36.157	26.499	1.360	0.961
20.1	16.61	36.177	26.528	1.278	0.939
21.0	16.60	36.186	26.537	1.216	0.930
21.9	16.58	36.202	26.554	1.133	0.913
23.2	16.55	36.231	26.583	1.092	0.911
24.6	16.53	36.249	26.602	1.076	0.896
25.9	16.53	36.249	26.602	1.061	0.898
26.8	16.55	36.191	26.553	1.030	0.897
27.7	16.41	36.317	26.682	1.009	0.890
28.6	16.41	36.317	26.682	0.947	0.880
29.5	16.40	36.202	26.596	0.885	0.853
30.4	16.33	36.265	26.661	0.782	0.820
31.3	16.17	36.286	26.714	0.699	0.775
32.3	16.12	36.290	26.729	0.565	0.716
33.4	15.98	36.412	26.854	0.565	0.686
34.6	15.98	36.331	26.792	0.534	0.679
35.8	15.98	36.331	26.792	0.503	0.646
36.9	15.98	36.331	26.792	0.487	0.625
37.9	15.98	36.331	26.792	0.472	0.625
38.9	15.98	36.331	26.792	0.472	0.615
40.0	15.93	36.379	26.840	0.451	0.610
41.1	15.93	36.379	26.840	0.447	0.592
42.2	15.93	36.379	26.840	0.441	0.590
43.6	15.93	36.379	26.840	0.441	0.581
44.5	15.93	36.379	26.840	0.435	0.580
45.5	15.93	36.379	26.840	0.429	0.583
46.4	15.93	36.379	26.840	0.429	0.570
47.8	15.99	36.324	26.784	0.429	0.570
49.0	15.99	36.324	26.784	0.410	0.561
50.2	15.99	36.324	26.784	0.394	0.551
50.9	15.99	36.324	26.784	0.379	0.541
51.6	16.00	36.315	26.775	0.373	0.530
52.3	16.00	36.315	26.775	0.367	0.525
53.0	16.00	36.315	26.775	0.348	0.522
54.2	16.00	36.315	26.775	0.348	0.518
55.5	16.00	36.315	26.775	0.332	0.521
56.8	16.00	36.395	26.837	0.329	0.508
58.0	16.00	36.395	26.837	0.327	0.495
59.0	15.93	36.459	26.902	0.317	0.500
60.1	15.93	36.459	26.902	0.317	0.486
61.1	15.98	36.412	26.854	0.311	0.489
62.4	16.00	36.395	26.837	0.311	0.479
63.7	16.00	36.395	26.837	0.306	0.481
65.0	16.00	36.395	26.837	0.301	0.478
65.9	16.00	36.395	26.837	0.301	0.464
66.8	16.00	36.395	26.837	0.286	0.456
67.7	16.00	36.395	26.837	0.270	0.457
68.7	16.00	36.395	26.837	0.270	0.457
70.0	16.00	36.395	26.837	0.270	0.454
71.1	16.00	36.395	26.837	0.265	0.450
72.2	16.00	36.395	26.837	0.255	0.444
73.1	16.00	36.395	26.837	0.255	0.444
74.1	16.00	36.395	26.837	0.255	0.439
75.0	16.00	36.395	26.837	0.255	0.439
76.2	16.00	36.395	26.837	0.255	0.439
77.4	16.00	36.395	26.837	0.249	0.442
78.5	16.00	36.395	26.837	0.249	0.442
79.7	16.00	36.395	26.837	0.249	0.442
80.9	16.00	36.395	26.837	0.249	0.427
81.9	16.00	36.395	26.837	0.249	0.427
82.9	16.00	36.395	26.837	0.249	0.427
83.9	16.00	36.395	26.837	0.249	0.427

R/V KNORR
OPERATION #0627.05

R/V KNORR
OPERATION #0627.05

FUCO/CHL RATIO -O-

OPERATION 0627.05 STATION 22 LATITUDE 36°57.1'N. LONGITUDE 74°58.1'W DATE 06/27/82 TIME 1300

DEPTH (M)	TEMPERATURE (deg C)	SALINITY (o/oo)	SIGMA T	CHLOROPHYLL (ug/l)	FUCO:CHL
3.8	20.09	35.580	25.198	0.637	0.567
4.9	19.93	35.600	25.255	0.673	0.581
6.0	19.71	35.513	25.246	0.735	0.610
7.1	19.42	35.614	25.401	0.797	0.645
8.3	19.17	35.556	25.420	0.854	0.656
9.4	18.97	35.610	25.512	0.952	0.693
10.4	18.76	35.679	25.620	0.983	0.711
11.5	18.70	35.606	25.577	1.045	0.723
12.4	18.63	35.674	25.649	1.056	0.730
13.2	18.51	35.659	25.668	1.097	0.730
14.4	18.36	35.716	25.748	1.127	0.744
15.6	18.28	35.691	25.749	1.172	0.748
16.8	18.16	35.760	25.831	1.288	0.771
18.4	17.83	35.891	26.013	1.500	0.813
19.6	17.83	35.771	25.921	1.567	0.813
20.8	17.78	35.815	25.967	1.645	0.821
21.8	17.77	35.831	25.983	1.707	0.836
22.7	17.71	35.876	26.031	1.815	0.854
23.7	17.64	35.903	26.071	1.996	0.861
24.9	17.54	35.991	26.162	2.288	0.899
26.1	17.54	35.913	26.102	2.559	0.936
27.2	17.44	35.919	26.131	2.776	0.980
28.3	17.34	35.968	26.193	2.637	0.985
29.3	17.30	35.998	26.224	2.513	0.976
30.4	17.19	35.979	26.237	2.304	0.977
31.6	17.19	35.979	26.237	2.120	0.974
32.7	17.11	35.932	26.221	1.903	0.956
33.8	16.94	36.035	26.339	1.624	0.940
34.8	16.89	36.080	26.386	1.482	0.933
35.9	16.79	36.090	26.417	1.420	0.930
38.1	16.78	36.106	26.433	1.327	0.924
39.1	16.79	36.090	26.417	1.283	0.908
40.2	16.78	36.023	26.370	1.252	0.906
41.2	16.69	36.096	26.445	1.159	0.893
42.1	16.60	36.146	26.507	0.994	0.857
43.2	16.40	36.202	26.596	0.911	0.835
44.4	16.33	36.141	26.566	0.854	0.820
45.5	16.33	36.141	26.566	0.777	0.768
46.6	16.25	36.168	26.605	0.694	0.720
47.6	16.20	36.214	26.652	0.637	0.681
48.7	16.15	36.259	26.698	0.611	0.640
49.9	16.15	36.179	26.636	0.591	0.614
51.0	16.15	36.179	26.636	0.580	0.612
52.1	16.13	36.197	26.655	0.575	0.605
53.2	16.12	36.210	26.668	0.570	0.581
54.3	16.12	36.210	26.668	0.549	0.564
55.4	16.05	36.270	26.729	0.537	0.543
56.5	16.05	36.270	26.729	0.518	0.525
57.5	16.10	36.224	26.682	0.513	0.526
58.5	16.12	36.210	26.668	0.508	0.517
59.5	16.05	36.270	26.729	0.498	0.500
60.6	16.05	36.270	26.729	0.487	0.500
61.8	16.05	36.270	26.729	0.482	0.486
62.9	16.05	36.270	26.729	0.479	0.476
63.9	16.05	36.270	26.729	0.477	0.472
64.9	16.05	36.270	26.729	0.477	0.472
65.9	16.10	36.224	26.682	0.475	0.466
66.8	16.10	36.224	26.682	0.475	0.466
67.8	16.10	36.224	26.682	0.475	0.466
68.7	16.10	36.224	26.682	0.475	0.466
69.9	16.10	36.224	26.682	0.475	0.456
71.0	16.10	36.224	26.682	0.467	0.463
71.2	16.10	36.224	26.682	0.467	0.463
73.3	16.10	36.224	26.682	0.467	0.458
74.4	16.10	36.224	26.682	0.467	0.458
75.4	16.10	36.224	26.682	0.459	0.465
76.5	16.12	36.210	26.668	0.459	0.465
77.5	16.12	36.210	26.668	0.459	0.451
78.5	16.10	36.224	26.682	0.459	0.451
79.7	16.10	36.224	26.682	0.459	0.451
80.9	16.13	36.197	26.655	0.459	0.451
81.9	16.13	36.197	26.655	0.467	0.444
82.9	16.13	36.197	26.655	0.467	0.444
83.9	16.13	36.197	26.655	0.467	0.444

R/V KNORR UNDERWAY 13 JUNE 1982						
TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL ($\mu\text{g/l}$)	FUCO:CHL RATIO	IRRADIANCE (quanta/cm ² /sec $\times 10^{17}$)
13:45	39°18.2'N	71°14.4'W	18.87	0.283	-	-
14:00	39°18.2'N	71°14.3'W	18.86	0.295	-	-
14:15	39°18.5'N	71°14.5'W	18.88	0.292	-	-
14:30	39°18.8'N	71°14.7'W	18.88	0.278	-	-
14:45	39°19.2'N	71°14.9'W	18.87	0.281	-	-
15:00	39°19.4'N	71°15.0'W	18.91	0.277	-	-
15:15	39°19.7'N	71°15.1'W	18.89	0.275	-	-
15:30	39°20.0'N	71°15.2'W	18.91	0.281	-	-
15:45	39°20.3'N	71°15.2'W	18.92	0.283	-	-
16:00	39°20.5'N	71°15.2'W	18.88	0.277	-	-
16:15	39°20.7'N	71°15.0'W	18.91	0.282	-	-
16:30	39°20.8'N	71°15.0'W	18.91	0.233	-	-
16:45	39°20.9'N	71°14.9'W	18.90	0.181	-	-
17:00	39°20.9'N	71°14.9'W	18.90	0.207	-	-
17:15	39°21.0'N	71°14.8'W	18.91	0.202	-	-
17:30	39°21.2'N	71°14.7'W	18.88	0.252	-	-
17:45	39°21.2'N	71°14.5'W	18.84	0.305	-	-
18:00	39°21.3'N	71°14.3'W	18.91	0.245	-	-
18:15	39°21.3'N	71°14.1'W	18.94	0.204	-	-
18:30	39°21.4'N	71°14.0'W	18.94	0.177	-	-
18:45	39°21.3'N	71°13.7'W	18.97	0.187	-	-
19:00	39°21.0'N	71°13.5'W	18.97	0.167	-	-
19:15	39°21.0'N	71°13.4'W	18.97	0.155	-	-
19:30	39°21.0'N	71°13.4'W	18.96	0.183	-	-
19:45	39°21.0'N	71°13.3'W	18.95	0.186	-	-
20:00	39°21.0'N	71°13.3'W	18.98	0.207	-	-
20:15	39°21.2'N	71°12.8'W	18.94	0.200	-	-
20:30	39°21.5'N	71°12.2'W	19.01	0.168	-	-
20:45	39°21.8'N	71°11.7'W	19.00	0.168	-	-
21:00	39°22.1'N	71°11.1'W	18.98	0.217	-	-
21:15	39°22.4'N	71°10.5'W	18.97	0.237	-	-
21:30	39°22.7'N	71°09.9'W	18.94	0.264	-	-
21:45	39°22.8'N	71°09.7'W	18.97	0.258	-	-
22:00	39°23.0'N	71°09.7'W	18.96	0.260	-	-
22:15	39°23.3'N	71°09.3'W	18.95	0.262	-	-
22:30	39°23.5'N	71°09.0'W	18.95	0.238	-	-
22:45	39°23.6'N	71°09.0'W	18.94	-	-	-
23:00	39°23.7'N	71°09.1'W	18.93	-	-	-
23:15	39°23.7'N	71°09.3'W	18.94	-	-	-
23:30	39°23.9'N	71°09.5'W	18.90	-	-	-
23:45	39°24.0'N	71°09.6'W	18.89	-	-	-
24:00	39°24.1'N	71°09.8'W	18.89	0.619	-	-

R/V KNORR UNDERWAY 14 JUNE 1982						
TIME (GHT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCO:CHL RATIO	IRRADIANCE (quants/cm ² /sec x10 ¹⁷)
0:00	39°24.1'N	71°09.8'W	18.89	0.619	-	-
0:15	39°24.1'N	71°10.0'W	18.86	0.614	-	-
0:30	39°24.0'N	71°10.1'W	18.85	0.606	-	-
0:45	39°24.0'N	71°10.1'W	18.86	0.609	-	-
1:00	39°23.9'N	71°10.3'W	18.84	0.614	-	-
1:15	39°23.7'N	71°10.4'W	18.85	0.618	-	-
1:30	39°23.7'N	71°10.4'W	18.86	0.613	-	-
1:45	39°23.7'N	71°10.4'W	18.87	0.638	-	-
2:00	39°23.7'N	71°10.4'W	18.91	0.634	-	-
2:15	39°23.8'N	71°10.4'W	18.91	0.587	-	-
2:30	39°23.8'N	71°10.4'W	18.90	0.580	-	-
2:45	39°23.8'N	71°10.3'W	18.91	0.585	-	-
3:00	39°23.9'N	71°10.3'W	18.90	0.586	-	-
3:15	39°23.9'N	71°10.3'W	18.91	0.590	-	-
3:30	39°22.7'N	71°11.8'W	18.91	0.584	-	-
3:45	39°21.0'N	71°13.8'W	18.90	0.591	-	-
4:00	39°19.3'N	71°15.9'W	18.89	0.522	-	-
4:15	39°17.4'N	71°18.3'W	18.85	0.516	-	-
4:30	39°15.4'N	71°20.7'W	18.74	0.505	-	-
4:45	39°13.5'N	71°23.1'W	18.71	0.474	-	-
5:00	39°11.6'N	71°25.6'W	18.86	0.415	-	-
5:15	39°09.5'N	71°28.0'W	18.93	0.300	-	-
5:30	39°07.5'N	71°30.4'W	18.89	0.305	-	-
5:45	39°05.5'N	71°32.8'W	18.90	0.329	-	-
6:00	39°03.5'N	71°35.3'W	18.84	0.369	-	-
6:15	39°01.5'N	71°37.5'W	18.75	0.408	-	-
6:30	38°59.6'N	71°39.8'W	18.72	0.499	-	-
6:45	38°57.6'N	71°42.1'W	18.78	0.466	-	-
7:00	38°55.7'N	71°44.4'W	14.89	0.466	-	-
7:15	38°53.7'N	71°46.7'W	15.11	0.487	-	-
7:30	38°51.8'N	71°49.0'W	15.21	0.505	-	-
7:45	38°49.8'N	71°51.3'W	15.11	0.496	-	-
8:00	38°47.9'N	71°53.7'W	14.77	0.512	-	-
8:15	38°45.9'N	71°56.0'W	15.88	0.550	-	-
8:30	38°44.0'N	71°58.4'W	18.37	0.465	-	-
8:45	38°42.0'N	72°00.8'W	18.68	0.409	-	-
9:00	38°40.1'N	72°03.1'W	18.50	0.422	-	-
9:15	38°38.1'N	72°05.3'W	18.57	0.431	-	-
9:30	38°36.0'N	72°07.4'W	18.40	0.434	-	-
9:45	38°34.1'N	72°09.6'W	18.37	0.544	-	-
10:00	38°32.0'N	72°11.7'W	18.90	0.443	-	-
10:15	38°30.1'N	72°13.7'W	19.17	0.414	-	-
10:30	38°28.1'N	72°15.6'W	19.06	0.452	-	-
10:45	38°26.2'N	72°17.6'W	18.06	0.503	-	-
11:00	38°24.3'N	72°19.6'W	17.41	0.589	-	-
11:15	38°22.3'N	72°21.3'W	17.48	0.614	-	-
11:30	38°20.3'N	72°23.1'W	17.98	0.539	-	-
11:45	38°18.3'N	72°24.9'W	17.63	0.496	-	-
12:00	38°16.4'N	72°26.6'W	16.46	0.489	-	-
12:15	38°14.2'N	72°28.7'W	16.45	0.527	-	-
12:30	38°12.1'N	72°30.7'W	17.86	0.477	-	-
12:45	38°09.9'N	72°32.7'W	18.17	0.477	-	-
13:00	38°07.8'N	72°34.8'W	18.03	0.421	-	-
13:15	38°05.7'N	72°37.0'W	17.50	0.430	-	-
13:30	38°03.5'N	72°39.3'W	16.31	0.429	-	-
13:45	38°01.4'N	72°41.6'W	15.92	0.431	-	-
14:00	37°59.2'N	72°43.9'W	15.77	0.430	-	-
14:15	37°57.1'N	72°46.2'W	15.84	0.451	-	-
14:30	37°55.0'N	72°48.6'W	16.09	0.497	-	-
14:45	37°53.0'N	72°51.0'W	15.91	0.461	-	-
15:00	37°50.9'N	72°53.3'W	15.76	0.452	-	-
15:15	37°48.6'N	72°55.7'W	15.66	0.439	-	-
15:30	37°46.4'N	72°57.9'W	15.69	0.505	-	-
15:45	37°44.2'N	73°00.3'W	15.10	0.500	-	-
16:00	37°42.0'N	73°02.6'W	17.22	0.511	-	-
16:15	37°39.9'N	73°05.0'W	17.04	0.445	-	-
16:30	37°37.8'N	73°07.2'W	17.19	0.498	-	-
16:45	37°35.9'N	73°09.9'W	17.34	0.495	-	-
17:00	37°33.9'N	73°12.5'W	17.85	0.492	-	-
17:15	37°32.1'N	73°15.0'W	18.12	0.453	-	-
17:30	37°30.4'N	73°17.6'W	17.98	0.596	-	-
17:45	37°28.6'N	73°20.1'W	18.06	0.606	-	-
18:00	37°26.3'N	73°21.6'W	18.07	0.538	-	-
18:15	37°23.5'N	73°22.7'W	17.67	0.556	-	-
18:30	37°20.8'N	73°23.9'W	17.71	0.743	-	-
18:45	37°18.0'N	73°24.3'W	17.75	0.988	-	-
19:00	37°16.2'N	73°24.6'W	17.80	1.586	-	-
19:15	37°16.1'N	73°24.6'W	17.77	1.889	-	-
19:30	37°15.9'N	73°24.6'W	17.78	1.799	-	-
19:45	37°15.8'N	73°24.7'W	17.72	1.885	-	-
20:00	37°15.7'N	73°24.7'W	17.77	1.893	-	-
20:15	37°15.6'N	73°24.8'W	17.79	1.855	-	-
20:30	37°15.7'N	73°24.9'W	17.77	1.742	-	-
20:45	37°15.8'N	73°25.0'W	17.78	1.754	-	-
21:00	37°15.9'N	73°25.1'W	17.76	1.788	-	-
21:15	37°15.9'N	73°25.2'W	17.76	1.856	-	-
21:30	37°16.0'N	73°25.4'W	17.76	1.873	-	-
21:45	37°15.8'N	73°25.5'W	17.76	1.795	-	-
22:00	37°15.6'N	73°25.7'W	17.75	1.802	-	-
22:15	37°15.7'N	73°25.8'W	17.76	1.854	-	-
22:30	37°15.5'N	73°26.1'W	17.77	1.804	-	-
22:45	37°13.7'N	73°26.7'W	17.79	1.886	-	-
23:00	37°12.9'N	73°27.0'W	17.87	1.954	-	-
23:15	37°13.1'N	73°26.9'W	17.82	1.980	-	-
23:30	37°13.2'N	73°26.8'W	17.80	2.005	-	-
23:45	37°13.2'N	73°26.9'W	17.77	1.883	-	-
24:00	37°13.1'N	73°27.2'W	17.79	1.852	-	-

R/V KNORR UNDERWAY 15 JUNE 1982						
TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCC:CHL RATIO	IRRADIANCE (quanta/cm ² /sec x10 ¹⁷)
0:00	37°13.1'N	73°27.2'W	17.79	1.852	-	-
0:15	37°12.9'N	73°27.5'W	17.79	1.894	-	-
0:30	37°12.7'N	73°27.8'W	17.80	1.851	-	-
0:45	37°12.5'N	73°28.0'W	17.81	2.016	-	-
1:00	37°12.3'N	73°28.3'W	17.83	2.053	-	-
1:15	37°12.2'N	73°28.6'W	14.52	1.994	-	-
1:30	37°12.0'N	73°28.8'W	17.80	1.992	-	-
1:45	37°11.7'N	73°29.1'W	17.83	2.005	-	-
2:00	37°11.6'N	73°29.4'W	17.81	2.009	-	-
2:15	37°11.4'N	73°29.9'W	17.85	1.965	-	-
2:30	37°11.4'N	73°30.3'W	17.84	1.939	-	-
2:45	37°11.4'N	73°30.8'W	17.83	1.882	-	-
3:00	37°11.5'N	73°31.2'W	17.84	1.871	-	-
3:15	37°11.4'N	73°31.5'W	17.85	1.855	-	-
3:30	37°11.2'N	73°31.8'W	17.83	1.796	-	-
3:45	37°11.1'N	73°32.6'W	17.86	1.822	-	-
4:00	37°11.0'N	73°33.5'W	17.89	1.751	-	-
4:15	37°10.8'N	73°35.5'W	17.91	1.666	-	-
4:30	37°10.8'N	73°35.0'W	17.93	1.613	-	-
4:45	37°10.7'N	73°35.9'W	17.89	1.584	-	-
5:00	37°10.7'N	73°36.7'W	17.85	1.539	-	-
5:15	37°10.5'N	73°37.4'W	17.84	1.511	-	-
5:30	37°10.5'N	73°36.3'W	17.83	1.512	-	-
5:45	37°10.6'N	73°34.9'W	17.88	1.543	-	-
6:00	37°10.7'N	73°33.5'W	17.80	1.689	-	-
6:15	37°10.8'N	73°32.7'W	17.73	1.428	-	-
6:30	37°10.9'N	73°32.7'W	17.74	1.391	-	-
6:45	37°11.0'N	73°32.9'W	17.75	1.380	-	-
7:00	37°11.1'N	73°33.0'W	17.71	1.368	-	-
7:15	37°11.3'N	73°33.2'W	17.72	1.349	-	-
7:30	37°11.4'N	73°33.2'W	17.72	1.315	-	-
7:45	37°11.6'N	73°33.3'W	17.73	1.284	-	-
8:00	37°11.7'N	73°33.3'W	17.70	1.331	-	-
8:15	37°11.6'N	73°33.8'W	17.71	1.310	-	-
8:30	37°11.6'N	73°34.2'W	17.72	1.330	-	-
8:45	37°11.6'N	73°34.4'W	17.72	1.299	-	-
9:00	37°11.7'N	73°34.6'W	17.73	1.326	-	-
9:15	37°11.8'N	73°34.6'W	17.74	1.362	-	-
9:30	37°11.9'N	73°34.6'W	17.76	1.332	-	-
9:45	37°12.0'N	73°34.6'W	17.81	1.305	-	-
10:00	37°12.1'N	73°34.6'W	17.76	1.269	-	-
10:15	37°12.2'N	73°34.5'W	17.77	1.272	-	-
10:30	37°12.3'N	73°34.5'W	17.80	1.305	-	-
10:45	37°12.3'N	73°34.4'W	17.77	1.395	-	-
11:00	37°12.3'N	73°34.3'W	17.78	1.365	-	-
11:15	37°12.2'N	73°34.2'W	17.81	1.314	-	-
11:30	37°12.3'N	73°34.2'W	17.80	1.351	-	-
11:45	37°12.3'N	73°34.3'W	17.80	1.304	-	-
12:00	37°12.3'N	73°34.4'W	17.83	1.244	-	-
12:15	37°12.3'N	73°34.4'W	17.84	1.286	-	-
12:30	37°12.3'N	73°34.7'W	17.85	1.167	-	-
12:45	37°12.4'N	73°35.0'W	17.89	-	-	-
13:00	37°12.5'N	73°35.0'W	17.84	-	-	-
13:15	37°12.5'N	73°35.1'W	17.89	-	-	-
13:30	37°12.3'N	73°34.5'W	-	-	-	-
13:45	37°12.3'N	73°34.6'W	-	-	-	-
14:00	37°12.2'N	73°34.5'W	-	-	-	-
14:15	37°11.9'N	73°34.2'W	-	-	-	-
14:30	37°11.9'N	73°34.0'W	-	-	-	-
14:45	37°11.7'N	73°33.8'W	-	-	-	-
15:00	37°11.7'N	73°33.6'W	-	-	-	-
15:15	37°11.6'N	73°33.5'W	-	-	-	-
15:30	37°11.6'N	73°33.5'W	-	-	-	-
15:45	37°11.6'N	73°33.5'W	-	-	-	-
16:00	37°11.6'N	73°33.4'W	-	-	-	-
16:15	37°11.5'N	73°33.3'W	-	-	-	-
16:30	37°08.6'N	73°33.0'W	-	-	-	-
16:45	37°09.2'N	73°33.1'W	-	-	-	-
17:00	37°10.5'N	73°33.3'W	-	-	-	-
17:15	37°10.5'N	73°33.1'W	-	-	-	-
17:30	37°10.1'N	73°32.9'W	-	-	-	-
17:45	37°09.6'N	73°32.6'W	-	-	-	-
18:00	37°09.3'N	73°32.4'W	-	-	-	-
18:15	37°09.2'N	73°32.6'W	-	-	-	-
18:30	37°09.0'N	73°32.6'W	-	-	-	-
18:45	37°08.9'N	73°32.7'W	-	-	-	-
19:00	37°08.8'N	73°32.9'W	-	-	-	-
19:15	37°08.7'N	73°33.0'W	-	-	-	-
19:30	37°08.7'N	73°33.0'W	-	-	-	-
19:45	37°08.8'N	73°33.3'W	-	-	-	-
20:00	37°10.1'N	73°34.0'W	-	-	-	-
20:15	37°09.2'N	73°33.0'W	18.58	0.924	1.526	1.958
20:30	37°08.6'N	73°33.0'W	18.37	1.027	1.514	1.880
20:45	37°09.1'N	73°33.1'W	18.36	0.995	1.524	1.828
21:00	37°10.5'N	73°33.3'W	18.47	0.855	1.522	1.839
21:15	37°10.6'N	73°33.2'W	18.39	0.934	1.567	1.792
21:30	37°10.1'N	73°32.9'W	18.47	0.980	1.557	1.700
21:45	37°09.7'N	73°32.6'W	18.55	1.114	1.570	1.557
22:00	37°09.3'N	73°32.4'W	18.60	1.192	1.575	1.606
22:15	37°09.2'N	73°32.6'W	18.42	1.299	1.587	1.457
22:30	37°09.0'N	73°32.7'W	18.51	1.338	1.633	1.268
22:45	37°08.9'N	73°32.7'W	18.49	1.228	1.605	1.063
23:00	37°08.8'N	73°32.9'W	18.30	1.259	1.584	0.783
23:15	37°08.7'N	73°33.0'W	18.35	1.411	1.630	0.396
23:30	37°08.7'N	73°33.0'W	18.43	1.317	1.612	0.332
23:45	37°08.8'N	73°33.2'W	18.48	1.307	1.619	0.177
24:00	37°10.1'N	73°34.0'W	18.23	1.287	0.629	0.060

R/V KNORR UNDERWAY 16 JUNE 1982						
TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCO:CHL RATIO	IRRADIANCE (quanta/cm ² /sec $\times 10^{17}$)
0:00	37°10.1'N	73°34.0'W	18.23	1.287	0.629	0.060
0:15	37°10.0'N	73°34.4'W	18.22	1.320	0.619	0.032
0:30	37°09.9'N	73°34.8'W	18.18	1.313	0.643	0.004
0:45	37°09.9'N	73°35.1'W	18.16	1.259	0.639	0.010
1:00	37°10.0'N	73°35.4'W	18.12	1.262	0.650	0.006
1:15	37°10.0'N	73°35.9'W	18.11	1.246	0.659	0.010
1:30	37°10.0'N	73°36.2'W	18.10	1.219	0.654	0.000
1:45	37°09.8'N	73°36.8'W	18.12	1.264	0.645	0.000
2:00	37°09.6'N	73°37.3'W	18.17	1.274	0.641	0.000
2:15	37°09.5'N	73°38.0'W	18.17	1.257	0.637	0.010
2:30	37°08.7'N	73°38.4'W	18.13	1.277	0.641	0.001
2:45	37°30.4'N	73°53.1'W	-	-	-	-
3:00	37°32.3'N	73°55.3'W	-	-	-	-
3:15	37°34.2'N	73°57.6'W	-	-	-	-
3:30	37°36.1'N	73°59.9'W	-	-	-	-
3:45	37°38.1'N	74°02.1'W	-	-	-	-
4:00	37°40.2'N	74°04.4'W	-	-	-	-
4:15	37°42.1'N	74°06.2'W	-	-	-	-
4:30	37°44.0'N	74°08.0'W	-	-	-	-
4:45	37°44.0'N	74°07.8'W	-	-	-	-
5:00	37°44.1'N	74°07.7'W	-	-	-	-
5:15	37°44.1'N	74°07.4'W	-	-	-	-
5:30	37°44.1'N	74°07.2'W	-	-	-	-
5:45	37°44.1'N	74°07.0'W	-	-	-	-
6:00	37°44.1'N	74°06.8'W	-	-	-	-
6:15	37°46.4'N	74°06.6'W	-	-	-	-
6:30	37°45.6'N	74°06.4'W	-	-	-	-
6:45	37°44.7'N	74°06.2'W	-	-	-	-
7:00	37°43.9'N	74°06.0'W	-	-	-	-
7:15	37°44.0'N	74°05.7'W	-	-	-	-
7:30	37°43.9'N	74°06.5'W	-	-	-	-
7:45	37°43.8'N	74°07.8'W	-	-	-	-
8:00	37°43.7'N	74°08.3'W	-	-	-	-
8:15	37°43.7'N	74°08.3'W	-	-	-	-
8:30	37°43.7'N	74°08.3'W	-	-	-	-
8:45	37°43.6'N	74°08.4'W	-	-	-	-
9:00	37°43.6'N	74°08.4'W	-	-	-	-
9:15	37°43.6'N	74°08.3'W	-	-	-	-
9:30	37°43.6'N	74°08.3'W	-	-	-	-
9:45	37°43.5'N	74°08.3'W	-	-	-	-
10:00	37°43.1'N	74°06.2'W	-	-	-	-
10:15	37°42.6'N	74°03.2'W	-	-	-	-
10:30	37°42.0'N	74°00.1'W	-	-	-	-
10:45	37°41.8'N	73°58.5'W	-	-	-	-
11:00	37°41.7'N	73°58.1'W	-	-	-	-
11:15	37°41.7'N	73°57.6'W	-	-	-	-
11:30	37°41.7'N	73°57.2'W	-	-	-	-
11:45	37°41.7'N	73°56.7'W	-	-	-	-
12:00	37°41.7'N	73°56.3'W	-	-	-	-
12:15	37°41.7'N	73°55.8'W	-	-	-	-
12:30	37°41.7'N	73°56.9'W	-	-	-	-
12:45	37°41.8'N	73°58.8'W	-	-	-	-
13:00	37°43.6'N	74°08.4'W	14.21	0.555	0.023	0.830
13:15	37°43.6'N	74°08.3'W	14.17	0.916	0.039	0.880
13:30	37°43.6'N	74°08.3'W	14.23	0.622	0.027	0.684
13:45	37°43.5'N	74°08.3'W	14.20	0.560	0.023	1.375
14:00	37°43.1'N	74°06.2'W	14.96	0.576	0.024	1.421
14:15	37°42.6'N	74°03.2'W	15.28	0.534	0.021	1.695
14:30	37°42.0'N	74°00.1'W	15.72	0.526	0.021	1.935
14:45	37°41.8'N	73°58.5'W	16.09	0.520	0.020	2.025
15:00	37°41.7'N	73°58.1'W	16.26	-	-	2.056
15:15	37°41.7'N	73°57.6'W	16.46	-	-	1.159
15:30	37°41.7'N	73°57.2'W	16.70	-	-	2.012
15:45	37°41.7'N	73°56.7'W	16.93	-	-	2.085
16:00	37°41.7'N	73°56.3'W	17.05	0.453	0.018	2.120
16:15	37°41.7'N	73°55.8'W	17.20	0.458	0.018	2.044
16:30	37°41.7'N	73°56.9'W	17.24	0.488	0.018	1.566
16:45	37°41.8'N	73°58.7'W	15.88	0.512	0.019	1.978
17:00	37°41.7'N	73°58.8'W	15.69	0.529	0.021	2.099
17:15	37°41.7'N	73°58.6'W	15.74	0.525	0.021	2.023
17:30	37°41.7'N	73°58.4'W	15.88	0.530	0.021	2.047
17:45	37°41.7'N	73°58.2'W	15.87	0.540	0.021	2.051
18:00	37°41.4'N	73°56.0'W	16.75	0.489	0.020	2.046
18:15	37°40.8'N	73°52.5'W	18.37	0.455	0.017	2.040
18:30	37°40.1'N	73°49.0'W	19.03	0.423	0.015	2.040
18:45	37°39.4'N	73°45.5'W	19.03	0.431	0.015	2.006
19:00	37°38.7'N	73°42.0'W	18.50	0.443	0.015	1.952
19:15	37°38.1'N	73°39.0'W	18.03	0.463	0.016	1.971
19:30	37°33.5'N	73°19.1'W	-	-	-	-
19:45	37°33.3'N	73°18.4'W	-	-	-	-
20:00	37°33.0'N	73°17.7'W	-	-	-	-
20:15	37°32.9'N	73°17.4'W	-	-	-	-
20:30	37°32.7'N	73°17.0'W	-	-	-	-
20:45	37°32.5'N	73°16.5'W	-	-	-	-
21:00	37°32.3'N	73°16.1'W	-	-	-	-
21:15	37°32.1'N	73°15.9'W	-	-	-	-
21:30	37°31.9'N	73°15.8'W	-	-	-	-
21:45	37°32.4'N	73°15.4'W	-	-	-	-
22:00	37°34.5'N	73°14.4'W	-	-	-	-
22:15	37°36.7'N	73°13.4'W	-	-	-	-
22:30	37°39.2'N	73°12.2'W	-	-	-	-
22:45	37°34.2'N	73°21.5'W	18.25	0.496	0.017	0.546
23:00	37°33.9'N	73°20.3'W	18.40	-	-	0.462
23:15	37°33.7'N	73°19.7'W	18.45	-	-	0.316
23:30	37°33.5'N	73°19.0'W	18.46	-	-	0.219
23:45	37°33.3'N	73°18.4'W	18.51	-	-	0.112
24:00	37°33.0'N	73°17.7'W	18.52	0.435	0.845	0.000

R/V KNORR UNDERWAY 17 JUNE 1982

TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL ($\mu\text{g/l}$)	FUCO:CHL RATIO	IRRADIANCE (quanta/ cm^2 /sec $\times 10^{17}$)
0:00	37°33.0'N	73°17.7'W	18.52	0.435	0.845	0.000
0:15	37°32.9'N	73°17.4'W	18.63	0.461	0.796	0.000
0:30	37°32.7'N	73°17.0'W	18.67	0.457	0.799	0.000
0:45	37°32.5'N	73°16.5'W	18.61	0.468	0.778	0.000
1:00	37°32.2'N	73°16.1'W	18.62	0.478	0.781	0.000
1:15	37°32.1'N	73°15.9'W	18.56	0.471	0.772	0.000
1:30	37°31.9'N	73°15.8'W	18.52	0.465	0.797	0.000
1:45	37°32.4'N	73°15.4'W	18.40	0.462	0.775	0.010
2:00	37°34.5'N	73°14.5'W	17.39	0.511	0.806	0.002
2:15	37°36.7'N	73°13.4'W	18.07	0.502	0.817	0.009
2:30	37°39.2'N	73°12.2'W	18.30	0.486	0.821	0.009
2:45	37°41.6'N	73°11.0'W	15.67	0.600	0.870	0.009
3:00	37°44.1'N	73°09.7'W	14.72	0.565	0.903	0.000
3:15	37°46.5'N	73°08.6'W	15.54	0.537	0.953	0.002
3:30	37°48.9'N	73°07.4'W	15.74	0.494	0.956	0.000
3:45	37°51.3'N	73°06.2'W	16.11	0.463	0.914	0.000
4:00	37°53.8'N	73°05.0'W	16.17	0.455	0.930	0.000
4:15	37°56.4'N	73°03.9'W	15.79	0.487	0.944	0.001
4:30	37°58.8'N	73°03.3'W	15.64	0.518	0.958	0.010
4:45	38°01.4'N	73°02.5'W	15.74	0.520	0.970	0.010
5:00	38°03.9'N	73°01.7'W	16.33	0.500	0.957	0.000
5:15	38°06.4'N	73°01.1'W	16.40	0.528	0.947	0.000
5:30	38°08.9'N	73°00.4'W	16.11	0.536	0.972	0.000
5:45	38°08.7'N	73°00.3'W	16.00	0.537	0.964	0.000
6:00	38°06.6'N	73°00.5'W	16.43	0.544	0.955	0.001
6:15	38°03.9'N	73°00.9'W	16.54	0.528	0.967	0.001
6:30	38°01.2'N	73°01.2'W	16.47	0.504	0.935	0.010
6:45	37°58.6'N	73°01.7'W	16.00	0.506	0.929	0.000
7:00	37°56.0'N	73°02.0'W	15.74	0.508	0.958	0.000
7:15	37°53.3'N	73°02.3'W	15.76	0.496	0.950	0.001
7:30	37°50.6'N	73°02.6'W	16.00	0.468	0.968	0.010
7:45	37°48.3'N	73°03.9'W	16.21	0.455	0.974	0.000
8:00	37°46.5'N	73°05.8'W	16.24	0.459	0.936	0.001
8:15	37°44.1'N	73°05.7'W	15.74	0.474	0.979	0.010
8:30	37°41.3'N	73°05.5'W	15.53	0.483	0.956	0.000
8:45	37°38.6'N	73°05.3'W	14.87	0.498	0.984	0.010
9:00	37°35.9'N	73°05.0'W	15.39	0.477	0.993	0.010
9:15	37°33.3'N	73°04.8'W	15.63	0.489	1.038	0.010
9:30	37°30.6'N	73°04.6'W	18.63	0.450	0.960	0.010
9:45	37°28.2'N	73°05.3'W	17.99	0.431	0.874	0.050
10:00	37°25.8'N	73°06.3'W	17.66	0.459	0.881	0.100
10:15	37°24.7'N	73°07.1'W	18.40	0.424	0.868	0.220
10:30	37°24.2'N	73°06.8'W	18.35	-	-	0.410
10:45	37°23.7'N	73°06.3'W	18.33	-	-	0.471
11:00	37°23.2'N	73°05.9'W	18.36	-	-	0.679
11:15	37°22.7'N	73°05.5'W	18.36	-	-	0.839
11:30	37°22.4'N	73°05.3'W	18.39	-	-	0.845
11:45	37°22.0'N	73°05.1'W	18.36	0.436	0.860	1.137
12:00	37°21.6'N	73°05.0'W	18.33	0.448	0.846	1.450
12:15	37°21.2'N	73°04.8'W	18.37	0.441	0.851	0.925
12:30	37°20.7'N	73°04.6'W	18.37	0.446	0.843	1.362
12:45	37°20.2'N	73°03.8'W	18.28	0.446	0.819	1.416
13:00	37°19.7'N	73°00.8'W	17.60	0.455	0.829	1.720
13:15	37°20.0'N	72°57.4'W	17.61	0.456	0.847	1.777
13:30	37°20.2'N	72°54.0'W	17.90	0.593	0.826	1.761
13:45	37°20.3'N	72°50.6'W	16.72	0.485	0.853	1.123
14:00	37°20.3'N	72°47.1'W	16.32	0.499	0.864	1.344
14:15	37°19.8'N	72°45.8'W	15.99	0.479	0.899	2.020
14:30	37°19.6'N	72°44.1'W	15.85	-	-	1.930
14:45	37°19.3'N	72°43.8'W	15.89	-	-	1.955
15:00	37°18.9'N	72°43.5'W	15.84	-	-	1.766
15:15	37°18.6'N	72°43.2'W	15.86	-	-	1.857
15:30	37°18.3'N	72°43.0'W	15.84	-	-	1.841
15:45	37°17.9'N	72°42.7'W	15.87	-	-	1.604
16:00	37°17.5'N	72°42.5'W	15.83	-	-	2.022
16:15	37°17.2'N	72°42.3'W	15.87	-	-	1.918
16:30	37°17.0'N	72°42.2'W	15.92	-	-	1.940
16:45	37°16.7'N	72°42.1'W	15.88	0.491	0.860	1.954
17:00	37°16.4'N	72°42.0'W	15.89	0.465	0.889	1.978
17:15	37°15.1'N	72°40.3'W	16.57	0.438	0.897	1.952
17:30	37°13.5'N	72°38.0'W	16.49	0.451	0.903	1.889
17:45	37°11.8'N	72°35.4'W	16.86	0.435	0.879	1.906
18:00	37°10.1'N	72°32.9'W	16.46	-	-	2.039
18:15	37°08.3'N	72°30.4'W	16.35	0.416	0.865	2.019
18:30	37°06.6'N	72°27.9'W	16.93	0.418	0.862	1.945
18:45	37°05.0'N	72°25.5'W	16.36	0.481	0.889	1.920
19:00	37°03.3'N	72°23.0'W	16.87	0.471	0.844	1.896
19:15	37°01.5'N	72°20.3'W	18.01	0.419	0.834	1.949
19:30	36°59.9'N	72°17.9'W	19.03	0.417	0.817	1.978
19:45	36°58.1'N	72°15.5'W	19.23	0.410	0.798	2.060
20:00	36°56.3'N	72°12.9'W	21.14	0.399	0.784	1.980
20:15	36°54.5'N	72°10.7'W	21.57	0.419	0.743	2.030
20:30	36°52.7'N	72°08.4'W	20.93	0.409	0.763	1.502
20:45	36°51.0'N	72°06.1'W	21.62	0.408	0.740	1.622
21:00	36°49.2'N	72°03.8'W	22.34	0.389	0.759	1.433
21:15	36°47.4'N	72°01.4'W	22.12	0.399	0.730	1.138
21:30	36°45.6'N	71°59.0'W	22.16	0.397	0.734	0.732
21:45	36°43.8'N	71°56.6'W	22.22	0.386	0.718	0.726
22:00	36°42.1'N	71°54.2'W	21.91	0.385	0.739	0.958
22:15	36°40.4'N	71°51.6'W	21.57	0.396	0.738	0.736
22:30	36°38.7'N	71°49.1'W	21.67	0.386	0.745	0.629
22:45	36°37.2'N	71°46.4'W	21.38	0.404	0.737	0.441
23:00	36°35.9'N	71°43.7'W	20.79	0.419	0.730	0.343
23:15	36°34.7'N	71°40.8'W	21.98	0.503	0.740	0.269
23:30	36°33.5'N	71°37.9'W	26.24	0.350	0.734	0.142
23:45	36°32.0'N	71°35.4'W	26.48	0.346	0.715	0.057
24:00	36°30.6'N	71°33.0'W	26.33	0.345	0.707	0.010

R/V KNORR UNDERWAY 18 JUNE 1982

TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/L)	FUCO:CHL RATIO	IRRADIANCE (quanta/cm ² /sec $\times 10^{17}$)
0:00	36°30.6'N	71°33.0'W	26.33	0.345	0.707	0.010
0:15	36°29.1'N	71°30.4'W	26.69	0.361	0.704	0.026
0:30	36°27.7'N	71°27.8'W	26.92	0.360	0.701	0.010
0:45	36°26.2'N	71°25.3'W	26.99	0.350	0.687	0.009
1:00	36°24.7'N	71°22.8'W	26.84	0.346	0.698	0.000
1:15	36°23.1'N	71°20.4'W	26.63	0.335	0.706	0.000
1:30	36°21.5'N	71°18.1'W	26.83	0.343	0.705	0.010
1:45	36°19.9'N	71°15.9'W	26.75	0.338	0.701	0.002
2:00	36°18.3'N	71°13.7'W	26.70	0.330	0.723	0.000
2:15	36°16.4'N	71°11.5'W	26.71	0.335	0.697	0.010
2:30	36°14.4'N	71°09.3'W	26.65	0.329	0.739	0.000
2:45	36°12.6'N	71°07.2'W	26.68	0.335	0.713	0.010
3:00	36°10.7'N	71°05.1'W	26.65	0.328	0.732	0.000
3:15	36°08.9'N	71°02.9'W	26.51	0.330	0.715	0.000
3:30	36°07.2'N	71°00.7'W	26.04	0.317	0.729	0.000
3:45	36°05.6'N	70°58.4'W	23.98	0.330	0.696	0.000
4:00	36°03.9'N	70°56.1'W	23.21	0.360	0.699	0.010
4:15	36°02.2'N	70°53.9'W	23.01	0.333	0.719	0.010
4:30	36°00.5'N	70°51.7'W	22.97	0.326	0.737	0.010
4:45	35°58.8'N	70°49.6'W	22.67	0.320	0.745	0.010
5:00	35°57.0'N	70°47.4'W	22.17	0.321	0.743	0.000
5:15	35°55.2'N	70°45.3'W	22.11	0.325	0.754	0.001
5:30	35°53.5'N	70°43.2'W	22.14	0.333	0.758	0.001
5:45	35°51.6'N	70°41.2'W	22.26	0.344	0.740	0.001
6:00	35°49.8'N	70°39.1'W	22.31	0.319	0.789	0.001
6:15	35°49.3'N	70°38.5'W	22.23	0.326	0.742	0.010
6:30	35°49.3'N	70°38.4'W	22.23	0.323	0.750	0.010
6:45	35°49.2'N	70°38.4'W	22.31	0.310	0.775	0.000
7:00	35°49.2'N	70°38.4'W	22.43	0.313	0.772	0.000
7:15	35°49.2'N	70°38.4'W	22.55	0.317	0.736	0.001
7:30	35°49.2'N	70°38.4'W	22.57	0.308	0.754	0.010
7:45	35°49.2'N	70°38.4'W	22.57	0.310	0.780	0.010
8:00	35°49.2'N	70°38.4'W	22.57	0.321	0.734	0.001
8:15	35°49.2'N	70°38.3'W	22.57	0.304	0.752	0.010
8:30	35°49.1'N	70°38.3'W	22.57	0.310	0.751	0.000
8:45	35°49.1'N	70°38.3'W	22.58	0.311	0.762	0.010
9:00	35°49.1'N	70°38.3'W	22.60	0.304	0.757	0.010
9:15	35°49.1'N	70°38.3'W	22.59	0.308	0.754	0.010
9:30	35°49.1'N	70°38.3'W	22.58	0.304	0.788	0.040
9:45	35°49.1'N	70°38.2'W	22.59	0.304	0.788	0.120
10:00	35°49.0'N	70°38.2'W	22.57	0.308	0.744	0.339
10:15	35°49.0'N	70°38.2'W	22.58	0.302	0.777	0.370
10:30	35°49.0'N	70°38.1'W	22.57	0.308	0.765	0.580
10:45	35°48.9'N	70°38.1'W	22.60	0.306	0.739	0.592
11:00	35°48.9'N	70°38.1'W	22.58	0.309	0.791	0.403
11:15	35°48.9'N	70°38.1'W	22.57	0.308	0.744	0.370
11:30	35°48.9'N	70°38.1'W	22.58	0.306	0.763	0.499
11:45	35°48.9'N	70°38.1'W	22.60	0.299	0.779	0.581
12:00	35°48.9'N	70°38.0'W	22.59	0.308	0.761	0.442
12:15	35°48.9'N	70°38.0'W	22.63	0.306	0.792	0.335
12:30	35°48.8'N	70°38.0'W	22.62	0.300	0.787	0.430
12:45	35°48.8'N	70°38.0'W	22.61	0.311	0.752	0.644
13:00	35°48.8'N	70°38.0'W	22.61	0.306	0.793	0.781
13:15	35°48.8'N	70°38.0'W	22.61	0.302	0.756	0.675
13:30	35°48.8'N	70°38.0'W	22.61	0.306	0.750	0.714
13:45	35°48.8'N	70°37.9'W	22.63	0.302	0.757	0.750
14:00	35°48.7'N	70°37.9'W	22.62	0.302	0.780	1.058
14:15	35°48.7'N	70°37.9'W	22.64	0.299	0.768	0.710
14:30	35°48.7'N	70°37.8'W	22.66	0.304	0.751	0.676
14:45	35°48.6'N	70°37.8'W	22.67	0.300	0.745	0.701
15:00	35°48.6'N	70°37.8'W	22.67	0.299	0.775	0.759
15:15	35°48.6'N	70°37.8'W	22.69	0.306	0.765	0.847
15:30	35°48.6'N	70°37.8'W	22.67	0.297	0.775	0.828
15:45	35°48.6'N	70°37.8'W	22.67	-	-	1.036
16:00	35°48.6'N	70°37.7'W	22.70	-	-	1.053
16:15	35°48.6'N	70°37.7'W	22.67	-	-	1.256
16:30	35°48.5'N	70°37.7'W	22.70	-	-	1.151
16:45	35°48.5'N	70°37.7'W	22.70	-	-	0.991
17:00	35°48.5'N	70°37.7'W	22.72	-	-	0.806
17:15	35°48.5'N	70°37.7'W	22.71	0.329	0.786	0.994
17:30	35°48.5'N	70°37.7'W	22.70	0.296	0.778	0.894
17:45	35°48.5'N	70°37.6'W	22.70	0.297	0.762	0.849
18:00	35°48.4'N	70°37.6'W	22.71	0.301	0.781	0.994
18:15	35°48.4'N	70°37.6'W	22.64	0.298	0.782	0.793
18:30	35°48.4'N	70°37.5'W	22.67	0.300	0.781	0.877
18:45	35°48.3'N	70°37.5'W	22.70	0.301	0.764	0.890
19:00	35°48.3'N	70°37.5'W	22.70	0.301	0.789	0.905
19:15	35°48.3'N	70°37.5'W	22.69	0.302	0.778	0.814
19:30	35°48.3'N	70°37.5'W	22.70	0.298	0.788	0.644
19:45	35°48.3'N	70°37.5'W	22.71	0.307	0.751	0.546
20:00	35°48.3'N	70°37.4'W	22.70	0.299	0.795	0.575
20:15	35°48.3'N	70°37.4'W	22.70	0.307	0.767	0.530
20:30	35°48.2'N	70°37.4'W	22.47	0.304	0.787	0.494
20:45	35°48.2'N	70°37.4'W	22.39	0.300	0.799	0.569
21:00	35°48.2'N	70°37.4'W	22.36	0.302	0.813	0.602
21:15	35°48.2'N	70°37.4'W	22.29	0.302	0.798	0.559
21:30	35°48.2'N	70°37.4'W	22.32	0.309	0.801	0.365
21:45	35°48.2'N	70°37.3'W	22.71	0.298	0.806	0.302
22:00	35°48.1'N	70°37.3'W	22.98	0.282	0.816	0.305
22:15	35°48.1'N	70°37.3'W	23.15	0.281	0.800	0.146
22:30	35°48.1'N	70°37.2'W	23.07	0.289	0.779	0.180
22:45	35°48.0'N	70°37.2'W	23.01	0.283	0.807	0.139
23:00	35°48.0'N	70°37.2'W	22.97	0.282	0.785	0.089
23:15	35°48.0'N	70°37.2'W	22.83	0.289	0.790	0.069
23:30	35°48.0'N	70°37.2'W	23.01	0.291	0.798	0.040
23:45	35°48.0'N	70°37.2'W	22.96	0.309	0.831	0.029
24:00	35°48.0'N	70°37.1'W	25.73	0.289	0.817	0.010

R/V KNORR UNDERWAY 19 JUNE 1982

TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCO:CHL RATIO	IRRADIANCE (aunits/cm ² /sec x 10 ¹⁷)
0:00	35°48.0'N	70°37.1'W	25.73	0.289	0.817	0.010
0:15	35°48.0'N	70°37.1'W	26.02	0.284	0.789	0.010
0:30	35°47.9'N	70°37.1'W	26.32	0.291	0.794	0.010
0:45	35°47.8'N	70°37.0'W	26.45	0.287	0.812	0.001
1:00	35°47.7'N	70°36.9'W	26.50	0.299	0.792	0.000
1:15	35°47.6'N	70°36.8'W	26.58	0.295	0.796	0.020
1:30	35°47.6'N	70°36.8'W	26.56	0.308	0.776	0.010
1:45	35°47.5'N	70°36.7'W	26.52	0.306	0.796	0.010
2:00	35°47.4'N	70°36.6'W	26.56	0.308	0.785	0.001
2:15	35°47.3'N	70°36.6'W	26.54	-	-	0.000
2:30	35°47.3'N	70°36.5'W	26.56	-	-	0.010
2:45	35°47.2'N	70°36.4'W	25.75	-	-	0.000
3:00	35°47.1'N	70°36.3'W	26.56	0.290	0.824	0.010
3:15	35°47.0'N	70°36.3'W	26.56	0.292	0.797	0.010
3:30	35°47.0'N	70°36.2'W	26.59	0.286	0.810	0.010
3:45	35°46.9'N	70°36.1'W	26.60	0.289	0.814	0.004
4:00	35°46.8'N	70°36.0'W	26.60	0.291	0.802	0.010
4:15	35°46.7'N	70°36.0'W	26.61	0.295	0.802	0.007
4:30	35°46.7'N	70°35.9'W	26.62	0.298	0.793	0.010
4:45	35°46.6'N	70°35.9'W	26.52	0.293	0.826	0.010
5:00	35°46.5'N	70°35.7'W	26.59	0.296	0.782	0.010
5:15	35°46.4'N	70°35.7'W	26.57	0.295	0.813	0.000
5:30	35°46.4'N	70°35.6'W	26.62	0.303	0.794	0.000
5:45	35°46.2'N	70°35.6'W	26.71	0.305	0.784	0.000
6:00	35°46.2'N	70°35.5'W	26.79	0.299	0.786	0.010
6:15	35°46.1'N	70°35.4'W	26.77	0.293	0.797	0.002
6:30	35°46.1'N	70°35.3'W	26.75	0.295	0.790	0.000
6:45	35°44.1'N	70°33.6'W	26.43	0.303	0.778	0.008
7:00	35°42.1'N	70°31.9'W	26.37	0.300	0.780	0.003
7:15	35°40.3'N	70°30.3'W	26.27	0.295	0.776	0.000
7:30	35°40.0'N	70°30.2'W	26.40	0.318	0.824	0.008
7:45	35°39.9'N	70°30.5'W	26.40	0.319	0.825	0.003
8:00	35°39.8'N	70°31.0'W	26.39	0.328	0.817	0.003
8:15	35°39.6'N	70°31.2'W	26.39	0.323	0.822	0.000
8:30	35°39.6'N	70°31.3'W	26.40	0.322	0.817	0.000
8:45	35°39.6'N	70°31.3'W	26.41	0.315	0.847	0.000
9:00	35°39.6'N	70°31.4'W	26.41	0.321	0.824	0.000
9:15	35°39.5'N	70°31.4'W	26.42	0.314	0.832	0.009
9:30	35°39.5'N	70°31.4'W	26.44	0.317	0.816	0.010
9:45	35°39.4'N	70°31.4'W	26.46	0.309	0.823	0.020
10:00	35°39.3'N	70°31.5'W	26.45	0.306	0.831	0.040
10:15	35°39.2'N	70°31.5'W	26.47	0.300	0.845	0.055
10:30	35°39.0'N	70°31.6'W	26.46	0.306	0.827	0.117
10:45	35°38.9'N	70°31.6'W	26.49	0.302	0.833	0.127
11:00	35°38.7'N	70°31.7'W	26.48	0.308	0.820	0.096
11:15	35°38.6'N	70°31.7'W	26.48	0.303	0.820	0.158
11:30	35°38.4'N	70°31.7'W	26.49	0.306	0.808	0.049
11:45	35°38.3'N	70°31.8'W	26.49	0.299	0.827	0.039
12:00	35°37.8'N	70°31.7'W	26.45	0.302	0.829	0.194
12:15	35°37.2'N	70°31.5'W	26.46	0.303	0.827	0.238
12:30	35°36.7'N	70°31.4'W	26.45	0.302	0.800	0.297
12:45	35°36.3'N	70°31.4'W	26.42	0.305	0.813	0.231
13:00	35°36.3'N	70°31.7'W	26.46	0.301	0.827	0.444
13:15	35°36.0'N	70°31.5'W	26.46	0.306	0.868	1.186
13:30	35°35.7'N	70°31.5'W	26.43	0.310	0.835	1.121
13:45	35°35.5'N	70°31.5'W	26.39	0.321	0.861	0.689
14:00	35°35.3'N	70°31.6'W	26.49	0.325	0.843	1.003
14:15	35°35.0'N	70°31.6'W	26.50	0.326	0.834	0.792
14:30	35°34.8'N	70°31.6'W	26.56	0.323	0.805	0.763
14:45	35°34.5'N	70°31.6'W	26.45	0.325	0.858	0.954
15:00	35°34.3'N	70°31.7'W	26.46	0.334	0.830	1.297
15:15	35°34.0'N	70°32.1'W	26.48	0.326	0.839	1.494
15:30	35°33.8'N	70°32.4'W	26.46	0.330	0.870	1.184
15:45	35°33.5'N	70°32.8'W	26.44	0.332	0.832	0.660
16:00	35°33.3'N	70°33.2'W	26.46	0.323	0.857	0.231
16:15	35°33.0'N	70°32.6'W	26.52	0.330	0.817	0.480
16:30	35°32.5'N	70°31.6'W	26.53	0.321	0.867	0.469
16:45	35°32.6'N	70°32.0'W	26.50	0.339	0.807	0.310
17:00	35°32.7'N	70°32.5'W	26.50	0.334	0.838	0.434
17:15	35°32.6'N	70°32.3'W	26.48	0.340	0.830	0.692
17:30	35°32.5'N	70°32.0'W	26.47	0.345	0.846	0.695
17:45	35°32.4'N	70°32.0'W	26.48	0.343	0.841	0.317
18:00	35°32.2'N	70°32.0'W	26.51	0.356	0.798	0.204
18:15	35°32.0'N	70°32.1'W	26.47	0.352	0.822	0.385
18:30	35°31.8'N	70°32.3'W	26.41	0.361	0.828	0.438
18:45	35°31.5'N	70°32.3'W	26.30	0.383	0.834	0.583
19:00	35°31.5'N	70°32.7'W	25.79	0.420	0.850	1.378
19:15	35°31.3'N	70°32.9'W	25.42	0.437	0.847	1.122
19:30	35°31.1'N	70°33.2'W	24.80	0.445	0.855	1.555
19:45	35°30.6'N	70°33.5'W	24.02	0.479	0.858	2.007
20:00	35°30.0'N	70°33.8'W	23.38	0.495	0.888	1.074
20:15	35°30.8'N	70°36.5'W	23.33	0.516	0.888	0.820
20:30	35°31.5'N	70°39.3'W	22.87	0.514	0.878	0.938
20:45	35°32.3'N	70°42.0'W	22.38	0.519	0.903	0.789
21:00	35°32.9'N	70°45.9'W	21.96	0.535	0.910	1.015
21:15	35°33.3'N	70°48.8'W	21.64	0.550	0.934	1.053
21:30	35°33.8'N	70°51.8'W	21.24	0.559	0.935	0.646
21:45	35°34.2'N	70°54.8'W	20.41	0.558	0.960	0.544
22:00	35°34.6'N	70°57.7'W	19.85	0.557	0.981	0.384
22:15	35°34.9'N	71°00.6'W	19.77	0.525	1.008	0.327
22:30	35°35.3'N	71°03.5'W	19.95	0.496	0.988	0.346
22:45	35°35.8'N	71°06.3'W	19.79	0.470	1.014	0.326
23:00	35°36.4'N	71°09.2'W	19.87	0.466	1.033	0.291
23:15	35°37.1'N	71°12.2'W	17.75	0.519	1.039	0.143
23:30	35°37.8'N	71°15.2'W	16.67	0.557	1.086	0.076
23:45	35°38.5'N	71°18.2'W	16.49	0.514	1.114	0.062
24:00	35°39.2'N	71°21.2'W	16.71	0.483	1.139	0.070

R/V KNORR UNDERWAY 20 JUNE 1982

TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCO:CHL RATIO	IRRADIANCE (quants/cm ² /sec x10 ¹⁷)
0:00	36°26.0'N	72°44.6'W	17.30	0.464	1.147	0.080
0:15	36°27.4'N	72°46.8'W	18.38	0.420	1.111	0.030
0:30	36°28.8'N	72°49.1'W	18.56	0.421	1.071	0.010
0:45	36°30.2'N	72°51.3'W	18.33	0.436	1.054	0.001
1:00	36°31.5'N	72°53.4'W	18.47	0.450	1.071	0.010
1:15	36°32.9'N	72°55.9'W	18.64	0.435	1.038	0.001
1:30	36°34.4'N	72°58.3'W	18.73	0.431	1.025	0.010
1:45	36°35.7'N	73°00.8'W	18.84	0.413	1.055	0.000
2:00	36°37.1'N	73°03.2'W	18.90	0.399	1.021	0.001
2:15	36°38.9'N	73°05.4'W	18.91	0.379	1.005	0.010
2:30	36°40.7'N	73°07.7'W	18.96	0.370	1.030	0.001
2:45	36°42.5'N	73°09.9'W	18.84	0.373	1.028	0.010
3:00	36°44.3'N	73°12.2'W	18.82	0.389	1.015	0.010
3:15	36°46.1'N	73°14.4'W	18.75	0.427	1.019	0.001
3:30	36°47.9'N	73°16.6'W	18.85	0.402	0.994	0.010
3:45	36°49.7'N	73°18.8'W	18.73	0.413	1.011	0.001
4:00	36°51.5'N	73°21.0'W	18.76	0.403	1.011	0.010
4:15	36°53.4'N	73°23.2'W	18.85	0.413	1.011	0.000
4:30	36°55.2'N	73°25.4'W	18.96	0.412	0.996	0.010
4:45	36°57.2'N	73°27.7'W	19.00	0.430	1.007	0.000
5:00	36°59.1'N	73°29.6'W	18.96	0.436	1.017	0.002
5:15	37°01.1'N	73°31.4'W	18.90	0.430	1.012	0.010
5:30	37°01.9'N	73°32.1'W	18.89	0.442	1.044	0.000
5:45	37°01.9'N	73°32.3'W	18.87	0.458	1.029	0.009
6:00	37°01.8'N	73°32.4'W	18.87	0.462	1.032	0.009
6:15	37°01.8'N	73°32.4'W	18.88	0.472	1.032	0.009
6:30	37°01.7'N	73°32.5'W	18.79	0.482	1.055	0.002
6:45	37°01.7'N	73°32.6'W	18.83	0.484	1.044	0.002
7:00	37°01.5'N	73°32.7'W	18.86	0.485	1.048	0.002
7:15	37°01.5'N	73°32.8'W	18.85	0.489	1.042	0.002
7:30	37°01.4'N	73°32.9'W	18.86	0.494	1.041	0.010
7:45	37°01.2'N	73°33.0'W	18.86	0.496	1.041	0.010
8:00	37°01.1'N	73°33.1'W	18.83	0.496	1.071	0.000
8:15	37°01.2'N	73°33.1'W	18.84	0.509	1.043	0.000
8:30	37°01.4'N	73°33.1'W	18.86	0.494	1.044	0.010
8:45	37°01.4'N	73°33.0'W	18.84	0.498	1.051	0.001
9:00	37°01.5'N	73°33.0'W	18.81	0.516	1.034	0.001
9:15	37°01.3'N	73°33.0'W	18.84	0.509	1.044	0.010
9:30	37°01.1'N	73°32.9'W	18.81	0.494	1.022	0.010
9:45	37°00.9'N	73°32.9'W	18.85	0.480	1.023	0.030
10:00	37°00.6'N	73°32.8'W	18.84	0.483	1.010	0.070
10:15	37°00.5'N	73°32.8'W	18.84	0.460	1.038	0.082
10:30	37°00.1'N	73°32.7'W	18.85	0.443	1.052	0.130
10:45	36°59.7'N	73°32.7'W	18.83	0.441	1.042	0.198
11:00	36°59.4'N	73°32.6'W	18.85	0.430	1.076	0.211
11:15	36°59.1'N	73°34.4'W	18.82	0.424	1.086	0.200
11:30	36°58.7'N	73°36.0'W	18.85	0.428	1.104	0.268
11:45	36°58.4'N	73°37.8'W	18.83	0.436	1.079	0.332
12:00	36°58.4'N	73°32.4'W	18.85	0.441	1.077	0.430
12:15	36°58.4'N	73°32.1'W	18.82	0.475	1.097	0.314
12:30	36°58.2'N	73°31.7'W	18.83	0.432	1.099	0.837
12:45	36°58.2'N	73°31.7'W	18.80	0.435	1.101	0.683
13:00	36°58.1'N	73°31.7'W	18.80	-	-	0.782
13:15	36°57.9'N	73°31.9'W	18.83	-	-	0.871
13:30	36°57.6'N	73°32.0'W	18.83	-	-	0.806
13:45	36°57.3'N	73°32.1'W	18.86	-	-	1.060
14:00	36°57.1'N	73°32.3'W	18.86	-	-	1.036
14:15	36°57.0'N	73°32.3'W	18.83	-	-	1.775
14:30	36°56.8'N	73°32.3'W	18.86	0.420	1.103	1.283
14:45	36°56.6'N	73°32.4'W	18.85	0.427	1.100	0.802
15:00	36°56.4'N	73°32.4'W	18.88	0.424	1.128	0.693
15:15	36°56.3'N	73°32.6'W	18.86	0.404	1.175	0.589
15:30	36°56.2'N	73°32.7'W	18.87	0.414	1.171	0.366
15:45	36°56.1'N	73°32.9'W	18.84	0.411	1.220	0.551
16:00	36°56.0'N	73°33.0'W	18.83	0.432	1.193	0.814
16:15	36°55.8'N	73°33.1'W	18.81	0.448	1.149	1.077
16:30	36°55.6'N	73°33.2'W	18.78	0.461	1.159	1.184
16:45	36°55.4'N	73°33.3'W	18.80	0.471	1.130	0.991
17:00	36°55.2'N	73°33.3'W	18.78	0.469	1.124	1.428
17:15	36°55.1'N	73°33.4'W	18.78	0.460	1.114	1.527
17:30	36°54.9'N	73°33.5'W	18.76	0.462	1.144	1.254
17:45	36°54.8'N	73°33.5'W	18.70	0.475	1.118	1.364
18:00	36°54.6'N	73°33.6'W	18.67	0.486	1.115	1.137
18:15	36°54.5'N	73°33.6'W	18.71	0.496	1.123	0.978
18:30	36°54.4'N	73°33.7'W	18.61	0.518	1.138	1.052
18:45	36°54.3'N	73°33.9'W	18.61	0.542	1.145	1.048
19:00	36°54.4'N	73°33.9'W	18.57	0.540	1.148	1.262
19:15	36°54.3'N	73°33.5'W	18.64	0.542	1.143	1.790
19:30	36°54.0'N	73°33.0'W	18.64	0.555	1.181	1.568
19:45	36°53.5'N	73°32.6'W	19.01	0.532	1.153	2.063
20:00	36°53.1'N	73°32.2'W	19.07	0.535	1.150	1.928
20:15	36°52.5'N	73°32.1'W	18.96	0.553	1.171	1.946
20:30	36°51.9'N	73°31.9'W	19.06	0.560	1.156	1.968
20:45	36°51.3'N	73°31.8'W	18.98	0.563	1.138	1.918
21:00	36°50.7'N	73°31.7'W	18.87	0.591	1.122	1.880
21:15	36°50.0'N	73°32.1'W	18.81	0.606	1.102	1.766
21:30	36°49.4'N	73°32.6'W	18.94	0.572	1.071	1.666
21:45	36°49.1'N	73°32.9'W	19.07	0.584	1.059	1.397
22:00	36°49.2'N	73°32.6'W	19.40	0.600	1.064	1.255
22:15	36°49.3'N	73°32.5'W	19.34	0.659	1.086	1.085
22:30	36°49.4'N	73°32.5'W	19.14	0.670	1.082	0.740
22:45	36°49.4'N	73°32.7'W	19.24	0.687	1.091	0.505
23:00	36°49.4'N	73°32.9'W	18.82	0.624	1.029	0.527
23:15	36°49.4'N	73°33.0'W	18.81	0.596	1.054	0.441
23:30	36°49.5'N	73°33.1'W	19.04	0.571	1.041	0.270
23:45	36°49.5'N	73°33.2'W	19.09	0.567	1.049	0.146
24:00	36°49.5'N	73°33.3'W	19.01	0.552	1.050	0.100

R/V KNORR UNDERWAY 21 JUNE 1982

TIME (GHT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCC:CHL RATIO	IRRADIANCE (quanta/cm ² /sec x10 ¹⁷)
0:00	36°49.5'N	73°33.3'W	19.11	0.541	1.038	0.070
0:15	36°49.5'N	73°33.3'W	18.98	0.518	1.017	0.027
0:30	36°49.6'N	73°33.5'W	18.70	0.512	1.017	0.010
0:45	36°49.6'N	73°33.6'W	18.76	0.527	1.046	0.010
1:00	36°49.7'N	73°33.7'W	18.80	0.491	1.006	0.007
1:15	36°49.8'N	73°33.8'W	18.81	0.466	1.002	0.007
1:30	36°50.0'N	73°33.9'W	18.92	0.441	0.980	0.004
1:45	36°50.1'N	73°34.0'W	18.89	0.461	1.013	0.000
2:00	36°50.3'N	73°34.1'W	18.77	0.466	1.025	0.000
2:15	36°50.4'N	73°34.1'W	18.97	0.457	1.022	0.004
2:30	36°50.7'N	73°34.2'W	18.94	0.431	0.979	0.004
2:45	36°50.9'N	73°34.1'W	18.76	0.481	1.045	0.004
3:00	36°51.0'N	73°34.1'W	18.78	0.492	1.057	0.007
3:15	36°51.2'N	73°34.1'W	18.80	0.461	1.037	0.004
3:30	36°51.3'N	73°34.1'W	18.89	0.440	0.999	0.007
3:45	36°51.5'N	73°34.0'W	18.82	0.441	0.998	0.000
4:00	36°51.8'N	73°33.9'W	18.80	0.471	1.044	0.000
4:15	36°52.0'N	73°33.8'W	18.79	0.493	1.041	0.000
4:30	36°52.2'N	73°33.8'W	18.90	0.515	1.069	0.006
4:45	36°52.6'N	73°33.5'W	18.85	0.546	1.102	0.005
5:00	36°53.0'N	73°33.2'W	18.60	0.589	1.133	0.000
5:15	36°53.3'N	73°32.8'W	18.64	0.588	1.115	0.000
5:30	36°53.6'N	73°32.4'W	18.60	0.574	1.113	0.006
5:45	36°53.9'N	73°32.0'W	18.60	0.567	1.114	0.006
6:00	36°54.1'N	73°33.3'W	18.64	0.556	1.115	0.010
6:15	36°54.5'N	73°36.2'W	18.65	0.572	1.147	0.000
6:30	36°54.9'N	73°39.0'W	18.67	0.570	1.139	0.006
6:45	36°55.2'N	73°41.9'W	18.67	0.563	1.121	0.000
7:00	36°55.7'N	73°44.6'W	18.68	0.565	1.131	0.006
7:15	36°55.9'N	73°47.7'W	18.62	0.619	1.157	0.000
7:30	36°55.8'N	73°50.7'W	18.70	0.662	1.195	0.000
7:45	36°55.7'N	73°54.0'W	18.60	0.614	1.160	0.007
8:00	36°55.6'N	73°57.3'W	18.84	0.455	1.041	0.000
8:15	36°55.7'N	74°00.8'W	18.95	0.441	0.999	0.004
8:30	36°55.7'N	74°04.2'W	18.99	0.441	1.018	0.000
8:45	36°55.5'N	74°07.3'W	19.04	0.459	1.020	0.004
9:00	36°53.9'N	74°07.2'W	19.05	0.459	1.035	0.010
9:15	36°51.9'N	74°06.5'W	19.05	0.441	0.992	0.000
9:30	36°49.8'N	74°05.7'W	18.97	0.439	0.994	0.010
9:45	36°47.8'N	74°04.7'W	18.80	0.464	1.032	0.043
10:00	36°45.7'N	74°03.6'W	18.91	0.404	0.943	0.073
10:15	36°47.1'N	74°00.4'W	18.87	0.425	0.976	0.107
10:30	36°48.6'N	73°57.1'W	18.95	0.406	0.946	0.176
10:45	36°49.6'N	73°54.5'W	18.84	0.417	0.947	0.247
11:00	36°50.6'N	73°51.9'W	18.86	0.430	0.948	0.345
11:15	36°52.0'N	73°49.2'W	18.70	0.507	1.037	0.437
11:30	36°53.4'N	73°46.4'W	18.54	0.569	1.109	0.587
11:45	36°54.6'N	73°44.1'W	18.50	0.594	1.117	0.904
12:00	36°55.3'N	73°42.5'W	18.51	0.578	1.126	0.885
12:15	36°55.1'N	73°42.3'W	18.54	0.572	1.125	1.098
12:30	36°55.0'N	73°42.2'W	18.23	0.634	1.177	0.976
12:45	36°54.8'N	73°42.0'W	18.54	0.592	1.135	0.920
13:00	36°54.6'N	73°41.9'W	18.56	0.556	1.108	1.031
13:15	36°54.5'N	73°42.0'W	18.56	0.544	1.103	1.086
13:30	36°54.5'N	73°42.3'W	18.63	0.523	1.075	1.418
13:45	36°54.4'N	73°42.6'W	18.58	0.513	1.120	1.561
14:00	36°54.3'N	73°42.6'W	18.62	0.502	1.081	2.068
14:15	36°54.2'N	73°42.7'W	18.64	0.512	1.058	1.671
14:30	36°54.1'N	73°42.8'W	18.64	0.514	1.032	1.960
14:45	36°54.0'N	73°42.8'W	18.66	0.528	1.053	2.010
15:00	36°53.9'N	73°42.9'W	18.72	0.521	1.043	2.051
15:15	36°53.9'N	73°42.9'W	18.77	0.506	1.031	2.026
15:30	36°53.7'N	73°43.0'W	18.57	0.556	1.066	2.076
15:45	36°53.7'N	73°42.9'W	18.85	0.513	1.031	2.121
16:00	36°53.5'N	73°42.8'W	18.81	0.534	1.024	2.081
16:15	36°53.6'N	73°42.9'W	18.83	0.495	0.996	2.003
16:30	36°53.4'N	73°42.9'W	18.67	0.580	1.079	2.058
16:45	36°53.1'N	73°42.9'W	18.80	0.530	1.049	2.140
17:00	36°52.8'N	73°42.9'W	18.89	0.512	1.014	2.080
17:15	36°52.5'N	73°43.0'W	18.91	0.514	1.012	2.095
17:30	36°52.3'N	73°43.1'W	18.93	0.519	0.981	2.155
17:45	36°52.0'N	73°43.2'W	18.93	0.521	0.981	2.117
18:00	36°52.7'N	73°43.4'W	18.95	0.493	0.952	2.114
18:15	36°52.6'N	73°43.5'W	19.14	0.545	0.994	2.106
18:30	36°52.4'N	73°43.5'W	18.96	0.537	0.988	2.100
18:45	36°52.2'N	73°43.8'W	18.98	0.514	0.968	2.105
19:00	36°51.9'N	73°44.0'W	18.90	0.518	0.964	2.096
19:15	36°51.6'N	73°44.0'W	19.09	0.542	0.988	2.086
19:30	36°51.3'N	73°43.8'W	18.94	0.555	0.987	2.061
19:45	36°50.7'N	73°43.7'W	18.97	0.554	0.998	2.100
20:00	36°50.1'N	73°43.5'W	18.88	0.591	1.021	2.018
20:15	36°50.9'N	73°44.0'W	18.98	0.569	1.000	1.515
20:30	36°51.6'N	73°44.4'W	19.14	0.578	0.995	1.565
20:45	36°51.5'N	73°44.4'W	18.99	0.639	1.010	1.486
21:00	36°51.1'N	73°44.5'W	19.21	0.617	1.003	1.343
21:15	36°51.0'N	73°44.6'W	19.17	0.610	0.991	1.615
21:30	36°50.8'N	73°44.7'W	19.16	0.620	1.002	1.536
21:45	36°50.7'N	73°44.7'W	19.27	0.619	0.999	1.239
22:00	36°50.7'N	73°44.8'W	19.26	0.633	0.984	0.689
22:15	36°50.6'N	73°44.7'W	19.26	0.642	1.004	0.822
22:30	36°50.5'N	73°44.6'W	19.08	0.676	1.028	0.833
22:45	36°50.4'N	73°45.5'W	19.18	0.665	1.013	0.437
23:00	36°50.3'N	73°46.6'W	19.18	0.566	0.969	0.317
23:15	36°50.2'N	73°47.0'W	18.96	0.612	1.016	0.165
23:30	36°50.1'N	73°47.3'W	18.88	0.707	1.047	0.150
23:45	36°50.1'N	73°47.7'W	18.85	0.760	1.022	0.077
24:00	36°50.0'N	73°48.0'W	18.93	0.668	1.055	0.020

R/V KNORR UNDERWAY 22 JUNE 1982						
TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCO:CHL RATIO	IRRADIANCE (quanta/cm ² /sec x10 ¹⁷)
0:00	36°50.0'N	73°48.0'W	18.93	0.668	1.055	0.020
0:15	36°50.0'N	73°48.4'W	18.96	0.659	1.046	0.010
0:30	36°49.9'N	73°48.8'W	18.81	0.724	1.076	0.007
0:45	36°49.8'N	73°49.1'W	18.76	0.789	1.098	0.010
1:00	36°49.8'N	73°49.5'W	18.87	0.767	1.100	0.000
1:15	36°49.7'N	73°50.1'W	18.91	0.709	1.077	0.004
1:30	36°49.5'N	73°50.6'W	18.92	-	-	0.004
1:45	36°49.4'N	73°51.0'W	18.93	-	-	0.004
2:00	36°49.1'N	73°51.8'W	18.80	-	-	0.000
2:15	36°48.9'N	73°52.5'W	18.84	-	-	0.000
2:30	36°49.4'N	73°52.4'W	18.80	-	-	0.007
2:45	36°49.9'N	73°52.4'W	18.84	-	-	0.007
3:00	36°50.4'N	73°52.4'W	18.90	0.958	0.988	0.000
3:15	36°50.5'N	73°52.7'W	18.78	1.094	0.968	0.001
3:30	36°50.6'N	73°53.1'W	18.90	1.075	0.912	0.000
3:45	36°50.7'N	73°53.4'W	18.85	1.165	0.885	0.000
4:00	36°50.9'N	73°53.7'W	18.88	1.147	0.854	0.010
4:15	36°51.0'N	73°54.0'W	18.88	1.148	0.840	0.000
4:30	36°51.1'N	73°54.3'W	18.86	1.189	0.841	0.010
4:45	36°51.2'N	73°54.5'W	18.84	1.202	0.832	0.001
5:00	36°51.3'N	73°54.8'W	18.89	1.185	0.842	0.000
5:15	36°51.4'N	73°54.9'W	18.86	1.187	0.841	0.001
5:30	36°51.6'N	73°55.1'W	18.82	1.206	0.853	0.010
5:45	36°51.7'N	73°55.1'W	18.68	1.242	0.864	0.000
6:00	36°51.8'N	73°55.2'W	18.80	1.231	0.855	0.000
6:15	36°51.9'N	73°55.4'W	18.80	1.196	0.835	0.000
6:30	36°52.1'N	73°55.6'W	18.79	1.205	0.853	0.010
6:45	36°52.1'N	73°55.8'W	18.79	1.194	0.848	0.010
7:00	36°52.2'N	73°56.0'W	18.77	1.193	0.860	0.010
7:15	36°52.5'N	73°56.0'W	18.77	1.213	0.846	0.010
7:30	36°52.7'N	73°56.0'W	18.74	1.215	0.854	0.010
7:45	36°53.0'N	73°56.0'W	18.59	1.209	0.859	0.010
8:00	36°53.2'N	73°56.1'W	18.59	1.276	0.858	0.010
8:15	36°53.6'N	73°56.1'W	18.68	1.236	0.866	0.001
8:30	36°54.0'N	73°56.0'W	18.73	1.239	0.848	0.010
8:45	36°54.4'N	73°56.1'W	18.71	1.278	0.872	0.010
9:00	36°54.8'N	73°56.1'W	18.73	1.195	0.867	0.001
9:15	36°54.7'N	73°56.0'W	18.75	1.172	0.879	0.001
9:30	36°54.6'N	73°55.8'W	18.74	1.075	0.857	0.010
9:45	36°54.8'N	73°55.7'W	18.69	1.058	0.870	0.030
10:00	36°55.0'N	73°55.5'W	18.72	0.972	0.856	0.090
10:15	36°55.0'N	73°55.4'W	18.85	0.912	0.867	0.140
10:30	36°54.8'N	73°55.6'W	18.84	0.846	0.845	0.220
10:45	36°54.5'N	73°55.7'W	18.82	0.820	0.834	0.260
11:00	36°54.2'N	73°55.5'W	18.62	0.856	0.839	0.291
11:15	36°54.6'N	73°54.6'W	18.78	0.875	0.870	0.338
11:30	36°55.1'N	73°53.6'W	18.69	1.074	0.880	0.827
11:45	36°55.4'N	73°52.6'W	18.59	1.145	0.918	0.574
12:00	36°55.5'N	73°53.4'W	18.81	0.842	0.907	0.506
12:15	36°55.5'N	73°54.0'W	18.92	0.740	0.874	0.658
12:30	36°55.4'N	73°53.7'W	18.88	0.732	0.870	0.723
12:45	36°55.4'N	73°53.4'W	18.92	0.717	0.864	1.134
13:00	36°55.4'N	73°53.1'W	18.88	0.721	0.864	1.398
13:15	36°55.4'N	73°52.9'W	18.87	0.733	0.842	0.981
13:30	36°55.4'N	73°52.7'W	19.13	0.754	0.850	0.618
13:45	36°55.2'N	73°52.5'W	18.87	0.797	0.831	0.463
14:00	36°55.1'N	73°52.4'W	19.10	0.727	0.862	0.685
14:15	36°55.1'N	73°52.3'W	19.07	0.707	0.825	0.701
14:30	36°54.9'N	73°52.2'W	18.80	0.827	0.837	0.599
14:45	36°54.8'N	73°52.2'W	18.97	0.751	0.824	0.643
15:00	36°54.6'N	73°52.1'W	19.09	0.727	0.827	0.495
15:15	36°54.3'N	73°52.1'W	19.15	0.700	0.811	0.375
15:30	36°54.3'N	73°51.9'W	19.06	0.760	0.804	0.409
15:45	36°54.2'N	73°51.8'W	19.02	-	-	0.408
16:00	36°53.9'N	73°51.7'W	18.82	-	-	0.555
16:15	36°53.7'N	73°51.8'W	18.69	-	-	0.515
16:30	36°53.3'N	73°51.8'W	19.25	-	-	0.487
16:45	36°53.5'N	73°51.9'W	19.17	0.669	0.813	0.340
17:00	36°54.5'N	73°52.1'W	19.18	0.618	0.795	0.444
17:15	36°54.0'N	73°52.1'W	19.21	0.627	0.788	0.483
17:30	36°53.4'N	73°52.4'W	19.25	0.633	0.776	0.219
17:45	36°53.4'N	73°52.8'W	19.19	0.650	0.790	0.230
18:00	36°54.2'N	73°53.0'W	19.24	0.670	0.782	0.536
18:15	36°54.7'N	73°53.6'W	19.24	0.674	0.779	0.346
18:30	36°53.8'N	73°54.3'W	19.26	0.628	0.783	0.491
18:45	36°53.9'N	73°54.2'W	19.12	0.701	0.783	0.462
19:00	36°54.0'N	73°53.6'W	19.12	0.676	0.795	0.485
19:15	36°54.0'N	73°53.8'W	19.10	0.721	0.799	0.746
19:30	36°54.0'N	73°54.0'W	19.16	0.632	0.796	0.888
19:45	36°54.0'N	73°54.2'W	19.26	0.659	0.792	0.482
20:00	36°54.2'N	73°54.3'W	19.18	0.664	0.802	0.344
20:15	36°54.2'N	73°54.6'W	18.64	0.848	0.835	0.295
20:30	36°54.2'N	73°54.9'W	19.02	0.803	0.851	0.477
20:45	36°54.3'N	73°55.2'W	19.12	0.668	0.819	0.470
21:00	36°54.3'N	73°55.5'W	19.16	0.669	0.817	0.560
21:15	36°54.5'N	73°55.9'W	19.17	0.658	0.811	0.358
21:30	36°54.6'N	73°56.3'W	19.21	0.635	0.814	0.268
21:45	36°54.8'N	73°56.7'W	19.24	0.625	0.807	0.248
22:00	36°54.9'N	73°57.0'W	19.21	0.634	0.824	0.230
22:15	36°54.9'N	73°57.0'W	19.17	0.654	0.815	0.173
22:30	36°54.9'N	73°56.9'W	19.21	0.624	0.810	0.250
22:45	36°54.9'N	73°56.9'W	19.27	0.617	0.808	0.308
23:00	36°54.9'N	73°56.9'W	19.24	0.630	0.800	0.184
23:15	36°56.3'N	73°56.9'W	19.26	0.625	0.807	0.093
23:30	36°55.3'N	73°57.1'W	19.22	0.623	0.816	0.103
23:45	36°55.4'N	73°57.6'W	19.21	0.624	0.808	0.063
24:00	36°55.4'N	73°58.2'W	19.19	0.612	0.816	0.050

R/V KNORR UNDERWAY 23 JUNE 1982						
TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCO:CHL RATIO	IRRADIANCE (quanta/cm ² /sec x10 ¹⁷)
0:00	36°55.4'N	73°58.2'W	19.19	0.616	0.803	0.040
0:15	36°55.7'N	73°58.5'W	19.25	0.613	0.822	0.019
0:30	36°55.7'N	73°58.9'W	19.16	0.611	0.831	0.010
0:45	36°55.8'N	73°59.3'W	19.17	0.608	0.837	0.000
1:00	36°56.0'N	73°59.6'W	19.17	0.622	0.822	0.010
1:15	36°56.3'N	73°59.7'W	19.14	0.613	0.838	0.001
1:30	36°56.6'N	73°59.7'W	19.08	0.626	0.845	0.010
1:45	36°56.9'N	73°59.8'W	19.03	0.635	0.863	0.000
2:00	36°57.2'N	73°59.9'W	19.01	0.662	0.855	0.010
2:15	36°57.6'N	73°59.7'W	18.98	0.646	0.846	0.000
2:30	36°58.2'N	73°59.6'W	19.04	0.632	0.871	0.010
2:45	36°58.7'N	73°59.4'W	19.09	0.626	0.841	0.010
3:00	36°59.3'N	73°59.1'W	19.14	0.605	0.864	0.010
3:15	36°59.7'N	73°58.8'W	19.16	0.607	0.868	0.000
3:30	37°00.2'N	73°58.5'W	19.08	0.629	0.856	0.010
3:45	37°00.5'N	73°58.2'W	18.94	0.661	0.852	0.010
4:00	37°01.2'N	73°57.9'W	19.19	0.623	0.862	0.010
4:15	37°01.8'N	73°57.1'W	19.19	0.610	0.831	0.000
4:30	37°02.5'N	73°53.7'W	19.07	0.629	0.832	0.000
4:45	37°03.0'N	73°50.1'W	19.03	0.631	0.840	0.001
5:00	37°03.5'N	73°46.4'W	18.83	0.648	0.824	0.010
5:15	37°03.7'N	73°42.9'W	18.85	0.615	0.848	0.000
5:30	37°03.8'N	73°39.3'W	18.89	0.654	0.843	0.001
5:45	37°04.2'N	73°35.8'W	19.15	0.699	0.862	0.010
6:00	37°04.6'N	73°32.4'W	19.39	0.600	0.822	0.000
6:15	37°04.8'N	73°28.8'W	19.48	0.559	0.797	0.010
6:30	37°04.8'N	73°25.2'W	19.17	0.477	0.839	0.000
6:45	37°05.0'N	73°21.8'W	18.83	0.483	0.800	0.001
7:00	37°05.1'N	73°18.2'W	19.16	0.479	0.809	0.010
7:15	37°05.3'N	73°14.7'W	17.46	0.552	0.823	0.010
7:30	37°05.4'N	73°11.3'W	16.86	0.575	0.858	0.010
7:45	37°05.4'N	73°07.8'W	17.06	0.552	0.878	0.010
8:00	37°05.4'N	73°04.3'W	16.62	0.563	0.880	0.001
8:15	37°05.6'N	73°01.1'W	16.62	0.563	0.895	0.010
8:30	37°20.7'N	72°57.2'W	-	-	-	-
8:45	37°20.6'N	72°57.2'W	-	-	-	-
9:00	37°20.5'N	72°57.3'W	-	-	-	-
9:15	37°20.4'N	72°57.3'W	-	-	-	-
9:30	37°20.4'N	72°57.3'W	-	-	-	-
9:45	37°20.2'N	72°57.2'W	-	-	-	-
10:00	37°20.0'N	72°57.0'W	-	-	-	-
10:15	37°19.9'N	72°57.2'W	-	-	-	-
10:30	37°19.8'N	72°57.3'W	-	-	-	-
10:45	37°19.5'N	72°57.6'W	-	-	-	-
11:00	37°17.9'N	72°59.3'W	-	-	-	-
11:15	37°16.2'N	73°00.8'W	-	-	-	-
11:30	37°14.5'N	73°02.4'W	-	-	-	-
11:45	37°12.5'N	73°04.3'W	-	-	-	-
12:00	37°10.5'N	73°06.2'W	-	-	-	-
12:15	37°09.2'N	73°08.0'W	-	-	-	-
12:30	37°08.3'N	73°09.2'W	-	-	-	-
12:45	37°08.1'N	73°09.2'W	-	-	-	-
13:00	37°08.0'N	73°09.2'W	-	-	-	-
13:15	37°07.9'N	73°09.2'W	-	-	-	-
13:30	37°07.7'N	73°09.2'W	-	-	-	-
13:45	37°07.6'N	73°09.1'W	-	-	-	-
14:00	37°07.4'N	73°09.2'W	-	-	-	-
14:15	37°07.2'N	73°09.2'W	-	-	-	-
14:30	37°07.0'N	73°09.2'W	-	-	-	-
14:45	37°06.8'N	73°09.3'W	-	-	-	-
15:00	37°06.7'N	73°09.2'W	-	-	-	-
15:15	37°06.5'N	73°09.2'W	-	-	-	-
15:30	37°06.3'N	73°09.2'W	-	-	-	-
15:45	37°06.2'N	73°09.2'W	-	-	-	-
16:00	37°10.5'N	73°06.2'W	16.10	-	-	1.317
16:15	37°09.2'N	73°08.0'W	16.19	-	-	1.600
16:30	37°08.3'N	73°09.2'W	16.40	-	-	1.737
16:45	37°08.1'N	73°09.2'W	16.38	-	-	1.741
17:00	37°08.0'N	73°09.2'W	16.20	-	-	1.654
17:15	37°07.9'N	73°09.2'W	16.25	-	-	1.710
17:30	37°07.8'N	73°09.2'W	16.29	-	-	1.610
17:45	37°07.6'N	73°09.1'W	16.10	-	-	1.796
18:00	37°07.4'N	73°09.1'W	15.72	-	-	1.800
18:15	37°07.2'N	73°09.2'W	16.65	-	-	1.654
18:30	37°07.1'N	73°09.3'W	16.64	-	-	1.802
18:45	37°06.9'N	73°09.3'W	16.99	-	-	1.744
19:00	37°06.7'N	73°09.2'W	16.68	-	-	1.674
19:15	37°06.5'N	73°09.2'W	16.49	-	-	1.647
19:30	37°06.3'N	73°09.2'W	16.81	0.566	0.859	1.795
19:45	37°06.2'N	73°09.3'W	16.85	0.526	0.874	1.354
20:00	37°06.0'N	73°09.3'W	16.68	0.531	0.866	1.197
20:15	37°05.9'N	73°09.3'W	16.80	0.522	0.864	1.258
20:30	37°05.9'N	73°09.4'W	16.73	0.525	0.859	1.636
20:45	37°05.7'N	73°09.5'W	16.73	0.562	0.863	1.733
21:00	37°05.7'N	73°09.5'W	16.94	0.527	0.843	1.710
21:15	37°04.4'N	73°12.3'W	16.81	0.571	0.866	1.751
21:30	37°03.0'N	73°15.0'W	16.77	0.510	0.826	1.762
21:45	37°01.7'N	73°17.9'W	16.78	0.557	0.824	0.944
22:00	37°00.6'N	73°21.0'W	17.70	0.540	0.844	1.170
22:15	37°00.1'N	73°23.7'W	19.27	-	-	0.807
22:30	36°59.7'N	73°24.3'W	19.32	-	-	1.020
22:45	36°59.5'N	73°24.2'W	19.24	-	-	0.711
23:00	36°59.4'N	73°24.2'W	19.27	-	-	0.509
23:15	36°59.3'N	73°24.2'W	19.33	-	-	0.408
23:30	36°59.1'N	73°24.2'W	19.32	-	-	0.222
23:45	36°59.4'N	73°24.2'W	19.34	0.451	0.819	0.180
24:00	37°00.0'N	73°24.0'W	19.49	0.515	0.726	0.150

R/V KNORR UNDERWAY 24 JUNE 1982						
TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCC:CHL RATIO	IRRADIANCE (quants/cm ² /sec x10 ¹⁷)
0:00	37°00.0'N	73°24.0'W	19.50	0.435	0.799	0.080
0:15	37°00.0'N	73°24.0'W	19.40	0.418	0.846	0.034
0:30	36°59.9'N	73°24.0'W	19.59	0.418	0.836	0.010
0:45	36°59.7'N	73°24.0'W	19.48	0.422	0.821	0.007
1:00	36°59.2'N	73°24.8'W	19.54	0.419	0.854	0.004
1:15	36°58.3'N	73°26.7'W	19.30	0.433	0.855	0.010
1:30	36°57.4'N	73°28.7'W	19.83	0.439	0.838	0.010
1:45	36°56.4'N	73°30.7'W	19.66	0.447	0.851	0.004
2:00	36°55.5'N	73°32.7'W	19.61	0.467	0.827	0.007
2:15	36°54.5'N	73°34.8'W	19.77	0.448	0.861	0.000
2:30	36°53.6'N	73°36.9'W	19.50	0.454	0.851	0.004
2:45	36°52.7'N	73°39.1'W	19.48	0.440	0.865	0.004
3:00	36°51.7'N	73°41.3'W	19.49	0.438	0.879	0.004
3:15	36°51.0'N	73°43.4'W	19.54	0.460	0.880	0.004
3:30	36°50.4'N	73°45.5'W	19.27	0.503	0.897	0.010
3:45	36°49.7'N	73°47.7'W	19.38	0.511	0.917	0.007
4:00	36°49.0'N	73°49.8'W	19.43	0.517	0.911	0.000
4:15	36°48.5'N	73°51.9'W	19.34	0.531	0.911	0.010
4:30	36°48.0'N	73°54.0'W	18.99	0.543	0.930	0.006
4:45	36°47.6'N	73°56.1'W	18.76	0.824	1.027	0.010
5:00	36°47.1'N	73°58.2'W	18.68	0.925	1.052	0.006
5:15	36°46.6'N	74°00.3'W	18.74	0.814	1.057	0.010
5:30	36°46.1'N	74°02.6'W	18.85	0.784	1.054	0.000
5:45	36°45.7'N	74°04.7'W	18.97	0.726	1.023	0.006
6:00	36°45.2'N	74°06.8'W	19.18	0.620	0.962	0.006
6:15	36°44.9'N	74°09.0'W	19.22	0.586	0.977	0.006
6:30	36°44.5'N	74°11.3'W	19.34	0.592	0.938	0.006
6:45	36°44.1'N	74°13.5'W	19.36	0.550	0.924	0.000
7:00	36°43.5'N	74°15.8'W	19.36	0.527	0.912	0.006
7:15	36°42.6'N	74°17.9'W	19.31	0.519	0.902	0.010
7:30	36°42.3'N	74°20.3'W	19.34	0.504	0.901	0.006
7:45	36°41.7'N	74°22.4'W	19.43	0.523	0.923	0.010
8:00	36°41.0'N	74°24.6'W	19.12	0.449	0.903	0.000
8:15	36°40.4'N	74°26.7'W	19.05	0.436	0.893	0.010
8:30	36°39.9'N	74°28.8'W	19.37	0.425	0.894	0.006
8:45	36°39.0'N	74°31.1'W	19.65	0.417	0.900	0.006
9:00	36°38.3'N	74°33.3'W	19.59	0.413	0.881	0.006
9:15	36°37.5'N	74°35.0'W	19.55	0.399	0.894	0.000
9:30	36°36.7'N	74°36.8'W	19.70	0.383	0.888	0.015
9:45	36°35.9'N	74°38.8'W	19.81	0.365	0.899	0.025
10:00	36°35.9'N	74°37.2'W	19.87	0.357	0.889	0.094
10:15	36°36.0'N	74°36.9'W	19.85	0.374	0.896	0.237
10:30	36°36.0'N	74°36.6'W	19.78	0.380	0.886	0.464
10:45	36°36.1'N	74°36.6'W	19.88	-	-	0.677
11:00	36°36.2'N	74°36.6'W	19.86	-	-	0.882
11:15	36°36.3'N	74°36.6'W	19.85	-	-	1.091
11:30	36°36.4'N	74°36.7'W	19.87	-	-	1.285
11:45	36°36.5'N	74°36.7'W	19.89	0.339	0.968	1.464
12:00	36°36.6'N	74°36.6'W	19.88	0.364	0.937	1.544
12:15	36°36.6'N	74°36.5'W	19.83	0.371	0.909	1.692
12:30	36°36.7'N	74°36.5'W	19.72	0.381	0.882	1.798
12:45	36°36.9'N	74°36.1'W	19.83	0.376	0.875	1.709
13:00	36°37.7'N	74°34.5'W	19.78	0.362	0.889	1.924
13:15	36°38.4'N	74°32.6'W	19.77	0.369	0.870	1.950
13:30	36°39.3'N	74°30.6'W	19.64	0.374	0.852	1.724
13:45	36°40.1'N	74°28.7'W	19.83	0.366	0.836	1.972
14:00	36°41.0'N	74°26.8'W	19.50	0.356	0.866	1.326
14:15	36°41.7'N	74°25.1'W	19.27	0.400	0.830	2.057
14:30	36°42.2'N	74°24.0'W	19.11	0.415	0.804	2.064
14:45	36°42.3'N	74°24.0'W	19.16	-	-	2.123
15:00	36°42.5'N	74°24.1'W	19.28	-	-	1.879
15:15	36°42.6'N	74°24.2'W	19.13	-	-	1.745
15:30	36°42.8'N	74°24.2'W	19.56	-	-	1.563
15:45	36°42.9'N	74°24.3'W	19.23	-	-	1.863
16:00	36°43.2'N	74°24.2'W	19.18	0.417	0.813	1.428
16:15	36°43.5'N	74°24.3'W	19.66	0.416	0.820	1.637
16:30	36°43.6'N	74°24.3'W	19.55	0.402	0.832	1.712
16:45	36°43.7'N	74°24.4'W	19.48	0.396	0.811	2.065
17:00	36°43.9'N	74°24.4'W	19.19	0.440	0.806	2.020
17:15	36°44.1'N	74°24.4'W	19.47	0.417	0.764	1.998
17:30	36°44.3'N	74°24.3'W	19.26	0.426	0.772	2.000
17:45	36°44.5'N	74°24.3'W	19.35	0.442	0.761	1.919
18:00	36°45.0'N	74°23.1'W	19.35	0.455	0.754	2.010
18:15	36°45.6'N	74°20.9'W	19.84	0.458	0.731	2.067
18:30	36°46.4'N	74°18.6'W	19.72	0.435	0.800	2.076
18:45	36°47.0'N	74°16.2'W	19.82	0.422	0.786	2.010
19:00	36°47.6'N	74°13.7'W	19.91	0.441	0.798	1.988
19:15	36°47.4'N	74°11.6'W	20.05	0.494	0.788	1.987
19:30	36°48.0'N	74°09.5'W	19.86	0.494	0.777	1.925
19:45	36°48.8'N	74°07.4'W	19.81	0.518	0.792	1.934
20:00	36°49.7'N	74°05.6'W	19.64	0.597	0.824	1.900
20:15	36°50.2'N	74°05.3'W	19.16	-	-	1.930
20:30	36°50.4'N	74°05.5'W	18.95	-	-	1.894
20:45	36°50.7'N	74°05.7'W	19.23	-	-	1.872
21:00	36°50.9'N	74°05.9'W	19.04	-	-	1.815
21:15	36°51.2'N	74°06.1'W	19.09	0.667	0.903	1.835
21:30	36°51.5'N	74°06.3'W	19.13	0.720	0.848	1.722
21:45	36°51.8'N	74°06.5'W	19.07	0.706	0.837	1.612
22:00	36°52.1'N	74°06.6'W	19.78	0.731	0.848	1.525
22:15	36°52.4'N	74°06.6'W	19.00	0.748	0.826	1.423
22:30	36°52.7'N	74°06.8'W	19.00	0.767	0.818	1.333
22:45	36°53.1'N	74°06.8'W	19.00	0.775	0.845	1.173
23:00	36°53.4'N	74°05.1'W	19.26	0.801	0.839	0.643
23:15	36°52.8'N	74°02.2'W	19.30	0.959	0.851	0.346
23:30	36°52.2'N	73°59.3'W	19.00	1.527	0.869	0.303
23:45	36°48.6'N	73°58.9'W	18.92	1.572	0.876	0.335
24:00	36°47.3'N	73°58.1'W	19.48	1.140	0.855	0.150

R/V KNORR UNDERWAY 25 JUNE 1982

TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCCO:CHL RATIO	IRRADIANCE (quanta/cm ² /sec x10 ¹⁷)
0:00	36°47.3'N	73°58.1'W	19.17	1.036	0.867	0.100
0:15	36°44.9'N	73°58.8'W	19.32	0.807	0.817	0.039
0:30	36°42.5'N	73°59.3'W	19.51	0.683	0.835	0.010
0:45	36°40.2'N	73°59.6'W	19.68	0.611	0.820	0.009
1:00	36°37.8'N	73°59.9'W	19.77	0.541	0.797	0.000
1:15	36°35.5'N	73°59.9'W	19.48	0.525	0.803	0.000
1:30	36°33.2'N	73°59.8'W	19.75	0.581	0.817	0.000
1:45	36°33.5'N	73°59.0'W	20.16	0.611	0.809	0.009
2:00	36°35.6'N	73°57.6'W	19.66	0.548	0.792	0.002
2:15	36°37.8'N	73°55.8'W	19.94	0.486	0.807	0.010
2:30	36°40.0'N	73°54.0'W	19.80	0.509	0.796	0.010
2:45	36°41.7'N	73°51.7'W	20.07	0.511	0.805	0.001
3:00	36°43.4'N	73°49.4'W	19.93	0.557	0.794	0.010
3:15	36°44.2'N	73°49.0'W	19.21	0.604	0.810	0.000
3:30	36°44.5'N	73°49.2'W	19.38	0.597	0.833	0.000
3:45	36°43.5'N	73°48.5'W	19.76	0.601	0.830	0.010
4:00	36°41.4'N	73°47.0'W	20.06	0.526	0.810	0.000
4:15	36°39.3'N	73°45.3'W	20.08	0.476	0.819	0.010
4:30	36°37.1'N	73°43.7'W	19.97	0.423	0.805	0.010
4:45	36°34.9'N	73°42.2'W	19.65	0.427	0.841	0.000
5:00	36°32.7'N	73°40.7'W	19.72	0.418	0.829	0.000
5:15	36°30.5'N	73°39.2'W	19.60	0.417	0.822	0.001
5:30	36°28.4'N	73°37.4'W	20.03	0.424	0.850	0.010
5:45	36°26.3'N	73°35.6'W	20.31	0.467	0.818	0.001
6:00	36°24.0'N	73°33.8'W	20.04	0.470	0.813	0.010
6:15	36°25.8'N	73°33.7'W	20.08	0.471	0.800	0.010
6:30	36°28.2'N	73°34.1'W	20.01	0.453	0.821	0.010
6:45	36°30.7'N	73°34.4'W	19.58	0.431	0.810	0.001
7:00	36°33.2'N	73°33.8'W	19.61	0.420	0.832	0.010
7:15	36°35.6'N	73°33.3'W	19.56	0.419	0.839	0.010
7:30	36°37.9'N	73°33.6'W	19.41	0.388	0.804	0.001
7:45	36°40.4'N	73°33.9'W	19.54	0.388	0.833	0.010
8:00	36°42.8'N	73°34.1'W	19.80	0.392	0.826	0.010
8:15	36°45.5'N	73°34.4'W	19.90	0.418	0.843	0.001
8:30	36°47.7'N	73°34.6'W	19.78	0.429	0.850	0.010
8:45	36°49.6'N	73°34.9'W	19.97	0.431	0.824	0.010
9:00	36°51.5'N	73°35.3'W	20.05	0.440	0.842	0.010
9:15	36°53.3'N	73°35.6'W	19.96	0.450	0.827	0.000
9:30	36°55.2'N	73°35.8'W	19.82	0.425	0.826	0.020
9:45	36°57.0'N	73°36.1'W	19.75	0.436	0.841	0.050
10:00	36°56.4'N	73°35.9'W	19.83	0.454	0.854	0.150
10:15	36°56.7'N	73°35.5'W	19.90	0.429	0.850	0.359
10:30	36°56.6'N	73°35.3'W	19.79	-	-	0.579
10:45	36°56.4'N	73°35.1'W	19.75	-	-	0.350
11:00	36°56.1'N	73°35.1'W	19.76	-	-	0.947
11:15	36°55.8'N	73°34.9'W	19.76	-	-	1.072
11:30	36°55.6'N	73°34.7'W	19.74	0.399	0.878	1.367
11:45	36°56.1'N	73°35.3'W	19.78	0.429	0.839	1.463
12:00	36°57.0'N	73°36.1'W	19.68	0.470	0.819	1.657
12:15	36°56.7'N	73°36.0'W	19.69	0.474	0.807	1.678
12:30	36°56.4'N	73°36.0'W	19.59	0.483	0.823	1.759
12:45	36°56.1'N	73°36.0'W	19.74	0.463	0.795	1.829
13:00	36°55.5'N	73°37.8'W	19.65	0.505	0.781	1.681
13:15	36°55.1'N	73°40.5'W	19.40	0.493	0.798	1.801
13:30	36°54.6'N	73°43.2'W	19.81	0.544	0.780	1.759
13:45	36°54.9'N	73°45.9'W	19.20	0.506	0.822	1.791
14:00	36°55.1'N	73°48.0'W	19.15	-	-	2.002
14:15	36°54.9'N	73°47.8'W	19.20	-	-	1.680
14:30	36°54.7'N	73°47.6'W	19.62	-	-	1.845
14:45	36°54.5'N	73°47.3'W	19.62	-	-	2.061
15:00	36°54.2'N	73°47.1'W	19.81	-	-	2.080
15:15	36°54.0'N	73°46.8'W	19.74	-	-	1.796
15:30	36°54.1'N	73°47.0'W	19.53	0.538	0.824	1.998
15:45	36°54.8'N	73°47.9'W	19.28	0.585	0.801	2.027
16:00	36°54.8'N	73°48.0'W	19.05	0.735	0.839	2.050
16:15	36°54.5'N	73°48.0'W	19.34	0.694	0.831	2.050
16:30	36°54.1'N	73°47.9'W	19.81	0.669	0.851	2.050
16:45	36°53.8'N	73°48.4'W	19.27	0.746	0.813	2.031
17:00	36°53.7'N	73°51.3'W	18.97	0.615	0.845	1.980
17:15	36°53.5'N	73°54.1'W	19.19	0.546	0.839	2.008
17:30	36°50.8'N	73°54.2'W	19.30	0.492	0.827	2.030
17:45	36°47.9'N	73°54.2'W	19.29	0.508	0.819	1.786
18:00	36°45.2'N	73°54.2'W	19.11	0.525	0.792	2.039
18:15	36°43.8'N	73°52.5'W	19.45	0.496	0.824	1.990
18:30	36°44.0'N	73°49.4'W	19.46	0.514	0.866	1.970
18:45	36°44.2'N	73°48.7'W	19.35	0.603	0.889	1.952
19:00	36°44.3'N	73°48.5'W	19.13	0.582	0.885	2.040
19:15	36°44.1'N	73°48.7'W	19.14	0.728	0.885	2.000
19:30	36°43.9'N	73°48.8'W	19.25	0.676	0.882	1.948
19:45	36°43.4'N	73°49.2'W	19.12	0.714	0.885	1.762
20:00	36°43.1'N	73°49.3'W	19.65	0.672	0.915	1.611
20:15	36°42.9'N	73°49.5'W	19.94	0.700	0.886	1.876
20:30	36°42.8'N	73°49.4'W	20.01	0.724	0.851	1.133
20:45	36°42.6'N	73°49.5'W	19.83	0.937	0.844	1.875
21:00	36°42.6'N	73°49.7'W	20.06	0.844	0.806	1.862
21:15	36°42.6'N	73°49.9'W	19.79	0.799	0.790	1.849
21:30	36°42.8'N	73°50.0'W	20.42	0.823	0.766	1.770
21:45	36°42.8'N	73°50.1'W	20.31	0.696	0.767	0.875
22:00	36°42.8'N	73°50.2'W	19.15	0.733	0.763	1.508
22:15	36°42.8'N	73°50.3'W	19.17	0.691	0.761	1.363
22:30	36°42.9'N	73°50.3'W	19.65	0.590	0.762	1.190
22:45	36°42.9'N	73°50.3'W	20.17	0.601	0.755	1.024
23:00	36°42.5'N	73°51.4'W	20.07	0.620	0.753	0.835
23:15	36°42.3'N	73°52.2'W	19.42	0.650	0.764	0.707
23:30	36°42.3'N	73°52.8'W	19.38	0.690	0.764	0.459
23:45	36°42.5'N	73°53.4'W	19.56	0.746	0.777	0.245
24:00	36°42.8'N	73°53.9'W	19.60	0.700	0.759	0.130

R/V KNORR UNDERWAY 26 JUNE 1982

TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCCO:CHL RATIO	IRRADIANCE (quanta/cm ² /sec x10 ¹⁷)
0:00	36°42.8'N	73°53.9'W	19.58	0.655	0.767	0.100
0:15	36°42.3'N	73°53.9'W	19.34	0.669	0.761	0.043
0:30	36°42.0'N	73°53.9'W	19.42	-	-	0.013
0:45	36°42.0'N	73°54.3'W	18.66	-	-	0.003
1:00	36°41.9'N	73°54.6'W	19.56	-	-	0.078
1:15	36°42.0'N	73°54.8'W	19.21	-	-	0.000
1:30	36°42.0'N	73°55.0'W	19.66	-	-	0.000
1:45	36°42.0'N	73°55.2'W	19.36	0.641	0.768	0.008
2:00	36°42.1'N	73°55.4'W	18.86	0.682	0.763	0.000
2:15	36°42.0'N	73°55.5'W	19.65	0.681	0.788	0.003
2:30	36°41.7'N	73°55.5'W	19.64	0.648	0.769	0.000
2:45	36°41.9'N	73°55.7'W	19.59	0.638	0.766	0.008
3:00	36°42.0'N	73°55.9'W	19.27	0.644	0.783	0.008
3:15	36°42.2'N	73°56.2'W	19.20	0.643	0.796	0.000
3:30	36°42.3'N	73°56.6'W	19.57	0.631	0.774	0.010
3:45	36°42.5'N	73°56.9'W	19.67	0.643	0.769	0.003
4:00	36°42.7'N	73°57.2'W	19.55	0.648	0.768	0.010
4:15	36°42.8'N	73°57.3'W	19.54	0.635	0.779	0.003
4:30	36°42.9'N	73°57.4'W	19.59	0.629	0.783	0.010
4:45	36°43.1'N	73°57.5'W	19.68	-	-	0.003
5:00	36°43.2'N	73°57.7'W	19.74	0.778	-	0.004
5:15	36°43.1'N	73°58.2'W	19.55	-	-	0.010
5:30	36°42.5'N	73°59.8'W	20.16	0.716	0.770	0.000
5:45	36°45.3'N	74°00.0'W	19.22	0.776	0.817	0.000
6:00	36°48.2'N	74°00.1'W	19.16	0.930	0.828	0.004
6:15	36°48.5'N	73°59.7'W	18.97	-	-	0.000
6:30	36°46.5'N	73°58.7'W	19.08	0.840	0.883	0.004
6:45	36°44.6'N	73°58.4'W	19.07	0.742	0.844	0.000
7:00	36°43.3'N	73°58.5'W	19.88	0.704	0.824	0.010
7:15	36°43.3'N	73°58.5'W	19.23	0.730	0.855	0.007
7:30	36°43.5'N	73°58.6'W	20.12	0.647	0.816	0.007
7:45	36°43.5'N	73°58.5'W	20.07	0.648	0.821	0.007
8:00	36°43.5'N	73°58.5'W	18.99	0.693	0.809	0.004
8:15	36°43.7'N	73°58.7'W	19.75	0.719	0.826	0.004
8:30	36°43.9'N	73°58.7'W	19.93	0.670	0.819	0.004
8:45	36°44.1'N	73°58.5'W	19.66	0.668	0.788	0.010
9:00	36°44.1'N	73°58.4'W	18.88	0.728	0.821	0.006
9:15	36°44.3'N	73°58.7'W	19.00	0.751	0.843	0.006
9:30	36°44.3'N	73°58.6'W	19.27	0.734	0.832	0.010
9:45	36°44.4'N	73°58.8'W	19.48	0.706	0.837	0.032
10:00	36°44.4'N	73°58.9'W	19.50	0.644	0.834	0.066
10:15	36°44.4'N	73°58.9'W	18.25	0.980	0.854	0.148
10:30	36°44.4'N	73°58.8'W	18.01	1.024	0.908	0.227
10:45	36°44.5'N	73°59.0'W	18.24	0.942	0.867	0.337
11:00	36°44.7'N	73°59.4'W	19.63	0.696	0.861	0.460
11:15	36°44.8'N	73°59.4'W	18.97	0.671	0.815	0.472
11:30	36°44.9'N	73°59.5'W	18.32	0.826	0.872	0.441
11:45	36°44.9'N	73°59.7'W	18.51	0.794	0.850	0.710
12:00	36°45.0'N	73°59.6'W	19.24	0.677	0.825	0.648
12:15	36°45.2'N	73°59.9'W	18.89	0.714	0.840	0.970
12:30	36°45.3'N	74°00.0'W	18.96	0.718	0.841	1.068
12:45	36°45.4'N	74°00.1'W	19.20	-	-	1.435
13:00	36°45.4'N	74°00.2'W	19.05	-	-	0.724
13:15	36°45.4'N	74°00.2'W	19.24	-	-	0.455
13:30	36°45.3'N	74°00.3'W	19.23	-	-	0.435
13:45	36°45.3'N	74°00.4'W	19.30	0.685	0.890	0.390
14:00	36°45.3'N	74°00.3'W	19.15	0.699	0.828	0.280
14:15	36°45.2'N	74°00.2'W	18.94	0.752	0.826	0.196
14:30	36°45.0'N	74°00.1'W	19.26	0.693	0.831	0.125
14:45	36°45.0'N	74°00.3'W	18.67	0.719	0.845	0.140
15:00	36°45.0'N	74°00.5'W	19.09	0.740	0.867	0.439
15:15	36°45.0'N	74°00.5'W	19.02	0.649	0.856	0.833
15:30	36°45.2'N	74°01.0'W	19.26	0.599	0.836	1.038
15:45	36°45.2'N	74°01.3'W	19.20	0.648	0.850	1.006
16:00	36°45.2'N	74°01.1'W	19.78	0.607	0.821	1.612
16:15	36°45.2'N	74°01.2'W	19.63	0.592	0.830	1.732
16:30	36°45.2'N	74°01.2'W	19.65	0.594	0.811	1.740
16:45	36°45.2'N	74°01.2'W	19.80	0.593	0.824	2.211
17:00	36°45.3'N	74°01.3'W	19.53	0.607	0.810	2.175
17:15	36°45.3'N	74°01.4'W	19.40	0.612	0.826	1.467
17:30	36°45.4'N	74°01.5'W	19.75	0.615	0.819	2.070
17:45	36°45.5'N	74°01.6'W	19.70	0.608	0.814	1.520
18:00	36°45.1'N	74°01.7'W	19.74	0.582	0.783	2.006
18:15	36°44.6'N	74°02.0'W	19.80	0.582	0.786	2.152
18:30	36°44.1'N	74°02.6'W	20.11	0.588	0.776	2.108
18:45	36°43.8'N	74°03.2'W	20.13	0.577	0.766	2.119
19:00	36°43.4'N	74°03.8'W	20.34	0.556	0.763	2.099
19:15	36°44.0'N	74°03.8'W	20.32	0.575	0.754	2.005
19:30	36°45.4'N	74°03.5'W	20.37	0.548	0.759	2.012
19:45	36°45.3'N	74°03.9'W	20.58	0.568	0.745	2.036
20:00	36°45.5'N	74°04.1'W	20.44	0.572	0.739	1.682
20:15	36°45.8'N	74°04.2'W	20.60	0.595	0.739	1.574
20:30	36°46.1'N	74°04.4'W	20.11	0.646	0.756	1.802
20:45	36°45.8'N	74°04.8'W	20.43	0.603	0.741	1.845
21:00	36°45.9'N	74°05.2'W	20.56	0.642	0.736	1.590
21:15	36°46.1'N	74°05.4'W	20.51	0.640	0.739	1.496
21:30	36°46.2'N	74°05.5'W	20.56	0.650	0.736	1.363
21:45	36°46.3'N	74°05.6'W	19.93	0.740	0.735	1.236
22:00	36°46.4'N	74°05.7'W	20.12	0.727	0.736	1.114
22:15	36°46.5'N	74°05.7'W	19.46	0.816	0.775	0.634
22:30	36°46.5'N	74°05.7'W	19.46	0.965	0.801	0.403
22:45	36°47.0'N	74°05.9'W	19.93	0.822	0.773	0.533
23:00	36°48.4'N	74°06.3'W	20.21	0.689	0.762	0.320
23:15	36°48.7'N	74°06.5'W	19.96	0.698	0.770	0.274
23:30	36°49.1'N	74°06.6'W	20.53	0.643	0.761	0.187
23:45	36°49.5'N	74°06.7'W	20.53	0.654	0.746	0.114
24:00	36°49.8'N	74°06.8'W	20.39	0.619	0.749	0.060

R/V KNORR UNDERWAY 27 JUNE 1982						
TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCO:CHL RATIO	IRRADIANCE (quants/cm ² /sec x10 ¹⁷)
0:00	36°49.8'N	74°06.8'W	20.39	0.619	0.749	0.060
0:15	36°50.0'N	74°06.9'W	20.04	0.720	0.776	0.017
0:30	36°50.1'N	74°07.1'W	20.02	0.739	0.760	0.000
0:45	36°50.2'N	74°07.2'W	19.84	0.731	0.761	0.000
1:00	36°50.4'N	74°07.3'W	19.84	0.735	0.783	0.000
1:15	36°50.6'N	74°07.4'W	19.93	0.717	0.788	0.000
1:30	36°50.8'N	74°07.4'W	19.87	0.720	0.781	0.000
1:45	36°51.0'N	74°07.4'W	19.86	0.720	0.789	0.000
2:00	36°51.3'N	74°07.5'W	19.83	0.746	0.784	0.000
2:15	36°51.6'N	74°07.4'W	19.87	0.738	0.785	0.000
2:30	36°51.6'N	74°07.4'W	19.78	0.728	0.785	0.000
2:45	36°51.8'N	74°07.4'W	19.80	0.726	0.773	0.000
3:00	36°52.5'N	74°07.2'W	19.85	0.702	0.795	0.000
3:15	36°52.8'N	74°07.2'W	19.89	0.692	0.788	0.000
3:30	36°52.9'N	74°07.4'W	19.90	0.695	0.778	0.000
3:45	36°52.9'N	74°07.2'W	19.84	0.748	0.783	0.000
4:00	36°52.8'N	74°07.0'W	19.80	0.738	0.783	0.000
4:15	36°53.0'N	74°06.7'W	19.82	0.714	0.765	0.000
4:30	36°53.0'N	74°06.3'W	19.66	0.737	0.772	0.000
4:45	36°52.8'N	74°05.9'W	19.11	0.836	0.794	0.000
5:00	36°52.6'N	74°05.4'W	18.99	0.876	0.800	0.000
5:15	36°53.0'N	74°05.3'W	18.80	0.947	0.815	0.000
5:30	36°53.7'N	74°05.3'W	19.26	0.907	0.806	0.000
5:45	36°54.5'N	74°05.4'W	19.85	0.773	0.801	0.000
6:00	36°54.9'N	74°05.3'W	19.64	0.843	0.791	0.000
6:15	36°55.1'N	74°05.1'W	19.50	0.923	0.805	0.000
6:30	36°55.2'N	74°04.9'W	19.86	0.777	0.791	0.000
6:45	36°55.3'N	74°04.7'W	19.88	0.815	0.798	0.000
7:00	36°55.4'N	74°04.5'W	19.92	0.764	0.801	0.000
7:15	36°55.5'N	74°04.2'W	19.98	0.753	0.783	0.000
7:30	36°55.7'N	74°04.0'W	19.91	0.788	0.798	0.000
7:45	36°55.8'N	74°03.7'W	19.89	0.763	0.779	0.000
8:00	36°56.0'N	74°03.4'W	20.10	0.730	0.784	0.000
8:15	36°56.0'N	74°03.3'W	19.73	0.732	0.790	0.000
8:30	36°56.0'N	74°03.1'W	20.10	0.719	0.783	0.000
8:45	36°56.0'N	74°02.9'W	20.22	0.675	0.784	0.000
9:00	36°56.0'N	74°02.9'W	19.93	0.757	0.758	0.000
9:15	36°55.8'N	74°02.7'W	19.93	0.723	0.758	0.000
9:30	36°55.7'N	74°02.6'W	19.95	0.742	0.747	0.000
9:45	36°55.5'N	74°02.4'W	19.95	0.794	0.780	0.012
10:00	36°56.0'N	74°02.0'W	19.68	0.737	0.780	0.056
10:15	36°57.2'N	74°01.1'W	19.96	0.769	0.740	0.128
10:30	36°57.6'N	74°00.6'W	20.17	0.666	0.737	0.196
10:45	36°57.5'N	74°00.2'W	20.28	0.708	0.729	0.279
11:00	36°57.5'N	73°59.9'W	20.23	0.670	0.734	0.360
11:15	36°57.5'N	73°59.6'W	20.36	0.668	0.717	0.541
11:30	36°57.5'N	73°59.3'W	20.30	0.689	0.724	0.633
11:45	36°57.4'N	73°59.0'W	20.20	0.696	0.720	0.936
12:00	36°57.5'N	73°59.0'W	20.30	0.664	0.719	1.020
12:15	36°57.4'N	73°59.2'W	20.00	0.661	0.724	0.913
12:30	36°57.3'N	73°59.0'W	20.15	0.660	0.714	1.186
12:45	36°57.2'N	73°58.5'W	19.19	0.918	0.759	1.350
13:00	36°57.2'N	73°58.1'W	19.90	-	-	1.536
13:15	36°56.9'N	73°57.9'W	19.80	-	-	1.698
13:30	36°56.6'N	73°57.6'W	19.97	-	-	1.773
13:45	36°56.4'N	73°57.3'W	19.99	-	-	1.879
14:00	36°56.1'N	73°57.0'W	20.21	-	-	1.922
14:15	36°56.0'N	73°56.7'W	20.12	-	-	1.974
14:30	36°55.9'N	73°56.5'W	20.30	-	-	2.003
14:45	36°55.7'N	73°56.3'W	20.35	-	-	2.054
15:00	36°55.4'N	73°56.1'W	20.13	0.602	0.730	2.073
15:15	36°55.0'N	73°56.0'W	19.36	0.603	0.735	2.080
15:30	36°55.7'N	73°55.9'W	20.27	0.702	0.748	1.954
15:45	36°56.4'N	73°55.8'W	20.41	0.681	0.721	2.054
16:00	36°56.4'N	73°55.7'W	19.11	0.847	0.737	2.120
16:15	36°56.3'N	73°55.8'W	20.32	0.743	0.734	2.120
16:30	36°56.1'N	73°55.8'W	20.54	0.528	0.752	2.112
16:45	36°55.9'N	73°55.8'W	18.96	0.826	0.768	2.159
17:00	36°55.8'N	73°55.8'W	19.18	0.846	0.738	2.150
17:15	36°56.0'N	73°55.0'W	19.46	0.636	0.744	2.160
17:30	36°55.8'N	73°55.0'W	19.47	0.853	0.756	2.140
17:45	36°55.5'N	73°55.5'W	20.76	0.609	0.749	2.138
18:00	36°55.5'N	73°56.0'W	19.60	0.641	0.752	2.109
18:15	36°55.7'N	73°56.6'W	20.22	0.706	0.757	2.100
18:30	36°55.8'N	73°56.4'W	20.88	0.584	0.735	2.098
18:45	36°55.8'N	73°54.6'W	20.97	0.562	0.717	2.032
19:00	36°56.1'N	73°54.9'W	21.00	0.566	0.714	2.069
19:15	36°56.4'N	73°55.3'W	20.29	0.534	0.699	2.070
19:30	36°56.9'N	73°55.6'W	21.11	0.519	0.708	2.039
19:45	36°56.3'N	73°54.6'W	20.75	0.576	0.720	2.010
20:00	36°55.8'N	73°53.8'W	19.85	0.592	0.711	1.784
20:15	36°56.0'N	73°53.9'W	21.47	0.565	0.709	1.980
20:30	36°55.8'N	73°53.6'W	21.27	0.543	0.726	1.871
20:45	36°55.4'N	73°53.1'W	21.53	0.565	0.703	1.860
21:00	36°55.4'N	73°53.1'W	21.39	0.614	0.694	1.200
21:15	36°55.4'N	73°53.2'W	21.48	0.573	0.739	1.760
21:30	36°55.4'N	73°53.3'W	20.30	0.621	0.700	1.560
21:45	36°55.4'N	73°53.4'W	21.32	0.621	0.708	0.920
22:00	36°55.5'N	73°53.4'W	21.05	0.589	0.694	1.412
22:15	36°55.4'N	73°51.4'W	20.94	0.625	0.699	1.079
22:30	36°55.4'N	73°49.3'W	20.37	0.638	0.715	0.990
22:45	36°55.2'N	73°49.2'W	19.91	0.632	0.689	0.891
23:00	36°55.1'N	73°49.4'W	20.24	0.582	0.708	0.682
23:15	36°55.0'N	73°49.5'W	20.68	0.578	0.709	0.491
23:30	36°54.9'N	73°49.6'W	20.73	0.573	0.692	0.292
23:45	36°54.9'N	73°49.8'W	20.76	0.571	0.717	0.161
24:00	36°54.9'N	73°50.0'W	20.74	0.593	0.699	0.070

R/V KNORR UNDERWAY 28 JUNE 1982						
TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL (ug/l)	FUCO:CHL RATIO	IRRADIANCE (quants/cm ² /sec x10 ¹⁷)
0:00	36°54.9'N	73°50.0'W	20.74	0.593	0.699	0.070
0:15	36°55.1'N	73°50.1'W	20.94	0.548	0.711	0.021
0:30	36°55.1'N	73°50.2'W	20.87	0.560	0.709	0.001
0:45	36°55.1'N	73°50.1'W	20.98	0.563	0.715	0.000
1:00	36°55.3'N	73°49.9'W	20.89	0.560	0.692	0.000
1:15	36°55.5'N	73°49.7'W	20.75	0.554	0.724	0.000
1:30	36°55.9'N	73°49.3'W	20.82	0.560	0.710	0.000
1:45	36°56.3'N	73°48.9'W	20.83	0.552	0.706	0.000
2:00	36°56.6'N	73°49.4'W	20.61	0.544	0.696	0.000
2:15	36°56.9'N	73°47.9'W	20.73	0.535	0.732	0.000
2:30	36°58.1'N	73°45.5'W	20.81	0.532	0.717	0.000
2:45	37°00.3'N	73°44.8'W	21.34	0.500	0.685	0.000
3:00	37°02.5'N	73°44.1'W	21.20	0.494	0.699	0.000
3:15	37°04.5'N	73°42.5'W	20.66	0.468	0.726	0.000
3:30	37°06.6'N	73°41.0'W	20.84	0.461	0.712	0.000
3:45	37°08.7'N	73°39.5'W	21.13	0.420	0.718	0.000
4:00	37°10.7'N	73°38.0'W	20.99	0.408	0.732	0.000
4:15	37°12.8'N	73°36.3'W	20.63	0.431	0.714	0.000
4:30	37°14.9'N	73°34.8'W	20.65	0.427	0.730	0.000
4:45	37°17.0'N	73°33.2'W	20.31	0.462	0.720	0.000
5:00	37°19.1'N	73°31.5'W	20.40	0.485	0.705	0.000
5:15	37°21.2'N	73°30.2'W	20.41	0.472	0.738	0.000
5:30	37°23.4'N	73°28.7'W	20.43	0.500	0.693	0.001
5:45	37°25.5'N	73°27.3'W	20.32	0.489	0.718	0.000
6:00	37°27.8'N	73°25.9'W	20.32	0.494	0.714	0.000
6:15	37°29.9'N	73°24.6'W	18.28	0.488	0.690	0.000
6:30	37°32.1'N	73°23.3'W	18.62	0.454	0.701	0.000
6:45	37°34.3'N	73°22.1'W	18.78	0.472	0.710	0.000
7:00	37°36.5'N	73°20.7'W	18.06	0.479	0.709	0.000
7:15	37°38.6'N	73°19.6'W	19.00	0.492	0.720	0.000
7:30	37°40.8'N	73°18.5'W	18.70	0.471	0.709	0.000
7:45	37°43.0'N	73°17.4'W	18.19	0.465	0.730	0.000
8:00	37°45.2'N	73°16.2'W	18.62	0.473	0.744	0.000
8:15	37°47.4'N	73°14.9'W	18.63	0.466	0.722	0.000
8:30	37°49.5'N	73°13.7'W	18.70	0.465	0.729	0.000
8:45	37°51.8'N	73°12.3'W	18.61	0.464	0.737	0.000
9:00	37°53.9'N	73°11.0'W	18.72	0.447	0.776	0.000
9:15	37°56.1'N	73°09.8'W	18.99	0.428	0.753	0.000
9:30	37°58.4'N	73°08.6'W	18.95	0.421	0.753	0.002
9:45	38°00.6'N	73°07.3'W	19.07	0.412	0.722	0.040
10:00	38°02.9'N	73°06.1'W	19.33	0.411	0.727	0.099
10:15	38°05.1'N	73°05.0'W	19.51	0.416	0.723	0.178
10:30	38°07.2'N	73°03.8'W	19.31	0.413	0.736	0.248
10:45	38°09.5'N	73°02.7'W	18.90	0.436	0.722	0.472
11:00	38°11.6'N	73°01.5'W	18.88	0.430	0.731	0.651
11:15	38°13.8'N	73°00.2'W	19.11	0.432	0.732	0.855
11:30	38°15.9'N	72°58.8'W	19.13	0.420	0.743	0.975
11:45	38°18.0'N	72°57.5'W	19.32	0.424	0.730	1.140
12:00	38°20.1'N	72°56.1'W	19.36	0.410	0.728	1.302
12:15	38°22.2'N	72°54.9'W	19.39	0.415	0.738	1.443
12:30	38°24.3'N	72°53.6'W	18.81	0.442	0.721	1.571
12:45	38°26.3'N	72°52.2'W	18.58	0.458	0.708	1.719
13:00	38°28.4'N	72°51.0'W	18.42	0.477	0.722	1.865
13:15	38°30.5'N	72°49.5'W	18.27	0.480	0.754	1.930
13:30	38°32.6'N	72°48.2'W	18.44	0.459	0.750	1.940
13:45	38°34.7'N	72°46.7'W	18.62	0.464	0.771	2.002
14:00	38°36.8'N	72°45.3'W	18.17	0.458	0.749	2.064
14:15	38°38.9'N	72°44.0'W	18.12	0.453	0.750	-
14:30	38°41.0'N	72°42.6'W	18.20	0.472	0.727	-
14:45	38°43.0'N	72°41.3'W	18.22	0.483	0.764	-
15:00	38°45.0'N	72°39.9'W	18.03	0.516	0.733	-
15:15	38°47.1'N	72°38.6'W	17.84	-	-	-
15:30	38°49.2'N	72°37.3'W	17.62	0.342	-	-
15:45	38°51.3'N	72°36.0'W	17.09	0.422	0.768	-
16:00	38°53.4'N	72°34.7'W	17.91	0.412	0.755	-
16:15	38°55.6'N	72°33.3'W	17.54	0.409	0.791	-
16:30	38°57.8'N	72°32.0'W	17.30	0.409	0.775	-
16:45	38°60.0'N	72°30.7'W	16.96	0.412	0.759	-
17:00	39°02.1'N	72°29.4'W	17.13	0.414	0.773	-
17:15	39°04.4'N	72°28.0'W	17.51	0.399	0.776	-
17:30	39°06.6'N	72°26.6'W	17.19	0.407	0.767	-
17:45	39°08.8'N	72°25.3'W	17.51	0.381	0.768	-
18:00	39°11.0'N	72°23.9'W	17.28	0.399	0.768	-
18:15	39°13.1'N	72°22.5'W	17.38	0.405	0.766	-
18:30	39°15.3'N	72°21.1'W	17.60	0.404	0.777	-
18:45	39°17.4'N	72°19.7'W	17.08	0.398	0.746	-
19:00	39°19.5'N	72°18.2'W	16.71	0.425	0.753	-
19:15	39°21.5'N	72°16.9'W	16.81	0.444	0.786	-
19:30	39°23.4'N	72°15.5'W	16.69	0.459	0.795	-
19:45	39°25.4'N	72°14.1'W	16.79	0.427	0.802	-
20:00	39°27.5'N	72°12.6'W	16.83	0.438	0.799	-
20:15	39°29.4'N	72°11.3'W	16.28	0.494	0.799	-
20:30	39°31.4'N	72°09.9'W	16.48	0.481	0.804	-
20:45	39°33.3'N	72°08.4'W	15.62	0.514	0.825	-
21:00	39°35.3'N	72°07.1'W	15.75	0.506	0.798	-
21:15	39°37.4'N	72°05.7'W	16.81	0.493	0.810	-
21:30	39°39.5'N	72°04.4'W	17.11	0.510	0.806	-
21:45	39°41.5'N	72°03.0'W	17.42	0.508	0.797	-
22:00	39°43.5'N	72°01.7'W	17.31	0.488	0.803	-
22:15	39°45.5'N	72°00.4'W	16.82	0.499	0.801	-
22:30	39°47.4'N	71°59.1'W	17.48	0.482	0.815	-
22:45	39°49.4'N	71°57.9'W	16.95	0.485	0.804	-
23:00	39°51.3'N	71°56.6'W	16.21	0.501	0.785	-
23:15	39°53.4'N	71°55.4'W	15.76	0.487	0.796	-
23:30	39°55.4'N	71°54.3'W	15.43	0.477	0.818	-
23:45	39°57.4'N	71°53.1'W	16.63	0.498	0.805	-
24:00	39°59.4'N	71°51.9'W	16.72	0.504	0.840	-

R/V KNORR UNDERWAY 29 JUNE 1982						
TIME (GMT)	LATITUDE	LONGITUDE	TEMPERATURE (deg C)	CHLOROPHYLL ($\mu\text{g/l}$)	FUCO:CHL RATIO	IRRADIANCE (quanta/cm ² /sec $\times 10^{17}$)
0:00	39°59.4'N	71°51.9'W	16.59	0.511	0.839	0.000
0:15	40°01.6'N	71°50.6'W	16.71	0.505	0.819	0.000
0:30	40°03.8'N	71°49.3'W	16.76	0.518	0.822	0.000
0:45	40°05.9'N	71°48.0'W	17.00	0.536	0.849	0.000
1:00	40°08.0'N	71°46.7'W	17.70	0.532	0.820	0.000
1:15	40°10.2'N	71°45.3'W	18.02	0.487	0.843	0.000
1:30	40°12.5'N	71°44.1'W	17.78	0.528	0.833	0.000
1:45	40°14.7'N	71°42.8'W	17.66	0.548	0.848	0.000

SOLAR IRRADIANCE
R/V KNORR 06/16/82

SOLAR IRRADIANCE
R/V KNORR 06/17/82

SOLAR IRRADIANCE
R/V KNORR 06/18/82

SOLAR IRRADIANCE
R/V KNORR 06/19/82

SOLAR IRRADIANCE
R/V KNORR 06/20/82

SOLAR IRRADIANCE
R/V KNORR 06/21/82

SOLAR IRRADIANCE
R/V KNORR 06/22/82

SOLAR IRRADIANCE
R/V KNORR 06/23/82

SOLAR IRRADIANCE
R/V KNORR 06/24/82

SOLAR IRRADIANCE
R/V KNORR 06/25/82

SOLAR IRRADIANCE
R/V KNORR 06/26/82

SOLAR IRRADIANCE
R/V KNORR 06/27/82

SOLAR IRRADIANCE
R/V KNORR 06/28/82

KNØRR 0613.09 DOWNWELLING
SLOPE WATER

KNØRR 0613.09 DOWNWELLING
SLOPE WATER

DEPTH	K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₆₇₀
3.00	0.19276	0.20193	0.19703	0.53040
9.00	0.11887	0.12458	0.11757	0.38550
15.00	0.09031	0.07882	0.08209	0.32189
20.75	0.05434	0.03579	0.04018	0.16792
26.75	0.01860	0.0	0.00940	0.10418
32.75	0.13950	0.13035	0.14575	0.21621
38.50	0.12044	0.10971	0.11114	0.37436
43.25	0.05056	0.03213	0.04256	
51.25	0.09145	0.07498	0.08465	
62.50	0.05435	0.04178	0.05386	
73.50	0.04609	0.03998	0.04790	
84.50	0.03145	0.02850	0.04455	
95.50	0.04931	0.04806	0.06301	

KNØRR 0615.12 DOWNWELLING
RING CENTER

KNØRR 0615.12 DOWNWELLING

RING CENTER

DEPTH	K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₆₇₀
3.75	0.14892	0.15090	0.11828	0.45523
10.00	0.15102	0.11882	0.11823	0.37892
17.50	0.14519	0.10829	0.11008	0.29288
25.50	0.14372	0.10574	0.10646	0.14952
31.00	0.24216	0.17144	0.16528	0.25054
35.75	0.14453	0.12443	0.12767	0.21274
41.25	0.14470	0.10315	0.10134	
49.50	0.09217	0.08133	0.09441	
60.75	0.06996	0.07060	0.08225	
72.25	0.03961	0.05478	0.07255	
83.00	0.01823	0.02948	0.04490	
94.00	0.00950	0.02240	0.04029	
104.50	0.01213	0.02299	0.04136	

KNØRR 0618.10 DOWNWELLING
SARGASSO SEA

KNØRR 0618.10 DOWNWELLING

SARGASSO SEA

DEPTH	K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₆₇₀
2.75	0.01853	0.09010	0.05905	0.53483
10.75	0.04157	0.05862	0.07099	0.30011
22.00	0.04704	0.05608	0.07545	0.15359
32.75	0.03806	0.04410	0.06113	0.06213
44.25	0.05517	0.04702	0.03545	0.06568
55.25	0.06140	0.05377	0.07000	0.10648
65.25	0.09317	0.07258	0.07723	
74.25	0.07971	0.06191	0.06536	
84.25	0.05093	0.04849	0.06262	

KNØRR 0620.10 DOWNWELLING
RING CENTER

KNØRR 0620.10 DOWNWELLING

RING CENTER

DEPTH	K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₆₇₀
3.00	0.08109	0.12244	0.06643	0.47157
8.00	0.10638	0.08243	0.09279	0.41051
12.75	0.05619	0.03203	0.03159	0.26045
17.75	0.15808	0.12323	0.13115	0.22064
23.00	0.09426	0.06051	0.06412	0.07354
28.50	0.07608	0.04979	0.05963	0.03319
36.00	0.14436	0.11075	0.10999	0.02293
45.50	0.09660	0.09353	0.11281	0.00426
56.75	0.04061	0.04099	0.05485	0.00540
68.25	0.03455	0.03869	0.05159	0.00224
79.25	0.02469	0.02880	0.03765	0.00644
90.50	0.02524	0.03625	0.03708	0.00479
100.50	0.01590	0.02479	0.02275	0.00617

KNØRR 0624.06 DOWNWELLING
OVERFLIGHT SECTION

DEPTH	K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₅₇₀
2.75	0.12679	0.12231	0.11667	0.60923
8.25	0.07469	0.06273	0.07378	0.34755
16.00	0.12441	0.08915	0.10728	0.23980
23.00	0.24365	0.16142	0.17007	0.09960
27.75	0.18121	0.13636	0.14528	0.06348
35.25	0.07875	0.06481	0.07750	0.01860
45.25	0.05702	0.05030	0.06318	0.01144
53.25	0.04214	0.04625	0.06310	0.00954
60.75	0.03958	0.03991	0.05629	0.00207
70.50	0.03319	0.03756	0.05286	0.00329
82.50	0.03486	0.03796	0.04906	0.00191
94.75	0.02697	0.02926	0.03393	0.00222

KNORR 0626.12 DOWNWELLING
RING CENTER

KNORR 0626.12 DOWNWELLING

RING CENTER

DEPTH	K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₆₇₀
3.00	0.02472	0.01740	—	0.35958
7.75	0.14712	0.10688	—	0.44776
13.00	0.14935	0.13363	0.14591	0.32736
19.25	0.09551	0.06263	0.06866	0.13281
26.50	0.19550	0.14235	0.13864	0.05793
36.25	0.07052	0.05559	0.06459	0.02038
47.25	0.02932	0.03765	0.05377	0.01043
58.00	0.03322	0.03925	0.05853	0.01011
68.25	0.05240	0.05942	0.08023	0.00638
79.50	0.03088	0.03517	0.04632	0.01027
90.50	0.00747	0.00789	0.01740	0.00823
99.75	0.03064	0.04030	0.04687	0.01382

KNØRR 0613.09 UPWELLING
SLOPE WATER

KNØRR 0613.09 UPWELLING
SLOPE WATER

DEPTH	K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₆₇₀
4.00	0.09855	0.10342	0.09902	0.30829
10.75	0.08762	0.06926	0.07859	0.25364
19.00	0.09949	0.07748	0.08466	
26.50	0.06049	0.03835	0.04515	
33.00	0.08093	0.06756	0.08344	
41.50	0.05646	0.04554	0.05307	
52.00	0.03102	0.02000	0.02804	

KNØRR 0615.12 UPWELLING
RING CENTER

KNØRR 0615.12 UPWELLING

RING CENTER

DEPTH	K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₆₇₀
3.25	0.13214	0.09754	0.09514	0.31903
8.75	0.14625	0.10140	0.09865	0.14128
14.50	0.19237	0.14725	0.15227	0.15272
19.50	0.14844	0.13870	0.15582	
24.00	0.07841	0.07069	0.08616	
29.50	0.04795	0.05475	0.07478	
38.00	0.02820	0.03686	0.04607	
48.75	0.01100	0.01929	0.03397	
59.50	0.01845	0.02311	0.02702	

KNØRR 0618.10 UPWELLING
SARGASSO SEA

RELATIVE LIGHT

KNØRR 0618.10 UPWELLING
SARGASSO SEA

DEPTH	K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₆₇₀
3.25	0.05181	0.06076	0.07940	0.39541
9.00	0.04774	0.05608	0.05061	0.26824
17.00	0.04478	0.04122	0.05001	
26.75	0.06184	0.04573	0.04726	
36.50	0.07912	0.04920	0.04700	
47.50	0.07573	0.04352	0.04257	
59.00	0.06650	0.03430	0.02285	

KNØRR 0620.10 UPWELLING
RING CENTER

KNØRR 0620.10 UPWELLING

RING CENTER

DEPTH	K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₅₇₀
2.25	0.09429	0.06812	0.05889	0.22733
7.00	0.12243	0.08801	0.09549	0.08451
12.75	0.14652	0.11454	0.11546	0.03384
18.00	0.05452	0.02062	0.01077	0.00930
22.75	0.11557	0.11452	0.11830	0.05359
27.25	0.04574	0.05085	0.05039	0.02118
34.00	0.02218	0.02348	0.02479	0.02026
43.25	0.00761	0.01318	0.01406	0.01346
53.50	0.00587	0.00758	0.00738	0.01333
64.50	0.00246	0.00404	0.00260	
75.75	0.00365	0.00405	0.00387	
86.25	0.00305	0.00340	0.00490	
96.50	0.00135	0.00150	0.00293	

KNORR 0624.06 UPWELLING
OVERFLIGHT SECTION

KNORR 0624.06 UPWELLING
OVERFLIGHT SECTION

DEPTH	K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₆₇₀
3.25	0.09591	0.06866	0.06589	0.16030
8.00	0.10137	0.06707	0.06906	0.05334
13.50	0.10206	0.06936	0.07334	0.00551
21.00	0.09074	0.06128	0.07035	0.00575
27.00	0.06069	0.06356	0.07008	0.01516
34.25	0.02378	0.02574	0.02928	0.00615
43.75	0.01121	0.01285	0.01292	0.00318
53.00	0.00661	0.00800	0.00741	0.00278
64.00	0.00253	0.00283	0.00203	

KNØRR 0626.12 UPWELLING
RING CENTER

DEPTH	K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₆₇₀
2.75	0.15660	0.11352	0.10318	0.19978
8.50	0.15431	0.10888	0.12148	0.03576
13.75	0.11487	0.09805	0.11162	0.03332
18.25	0.07126	0.03851	0.07201	0.01565
23.50	0.03768	0.04210	0.04722	0.01638
28.50	0.01785	0.01792	0.02385	0.00494
35.75	0.00357	0.00750	0.00726	0.00132
45.75	0.00471	0.00391	0.00489	0.00121

Operation #	Location	GMT	Depth Interval	Average K Values			
				K ₄₄₀	K ₅₂₀	K ₅₅₀	K ₆₇₀
K0613.09	Slope partly cloudy	1900-2000	0-101	0.073	0.062	0.071	0.267
			0-58	0.074	0.059	0.067	0.293
K0615.12	Ring Ctr clear sky	1730-1830	0-109	0.089	0.079	0.088	0.281
			0-21.5	0.173	0.121	0.124	0.230
K0618.10	Sargasso overcast, drizzle	1830-	0-90.5	0.056	0.055	0.067	0.273
			0-64.5	0.064	0.045	0.046	0.328
K0620.10	Ring Ctr overcast, drizzle	1648-1810	0-105	0.070	0.061	0.069	0.339
			0-29.5	0.103	0.079	0.079	-
K0624.06	Overflight scattered clouds	1700-	0-30	0.139	0.103	0.115	0.260
			30-100.5	0.042	0.042	0.055	-
			0-29	0.094	0.066	0.070	0.118
K0626.12	Ring Ctr overcast, squalls	1630-	0-104.5	0.066	0.058	0.067	0.313
			0-21	0.130	0.097	0.106	-

OPERATION #0613.04 SLOPE

QUANTA/CM²/SEC X 10¹⁵

OPERATION #0614.01
DRIFTER

QUANTA/CM² / SEC X 10¹⁵

OPERATION #0615.08
DRIFTER

QUANTA/CM² / SEC X 10¹⁵

OPERATION #0618.09
SARGASSO SEA

QUANTA/CM² / SEC X 10¹⁵

OPERATION #0620.11 RING CENTER

QUANTA/CM² / SEC X 10¹⁵

OPERATION #0622.05
DRIFTER

QUANTA/CM²/SEC X 10¹⁵

OPERATION #0625.05
DRIFTER

QUANTA/CM²/SEC X 10¹⁵

KN 0613.12 SPECTRUM 1
TOTAL CHL = 0.754 $\mu\text{g/l}$, CORRECTED DEPTH = 2.8 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.09901	485	0.08649	620	0.01844
355	0.08682	490	0.08348	625	0.01893
360	0.08876	495	0.07764	630	0.01992
365	0.08416	500	0.06970	635	0.01715
370	0.08580	505	0.06117	640	0.01915
375	0.08828	510	0.05372	645	0.02199
380	0.09053	515	0.04869	650	0.02287
385	0.09090	520	0.04174	655	0.02410
390	0.09356	525	0.03870	660	0.02894
395	0.09619	530	0.03467	665	0.03629
400	0.10022	535	0.03326	670	0.04440
405	0.10690	540	0.03100	675	0.04547
410	0.11059	545	0.02800	680	0.04091
415	0.11596	550	0.02653	685	0.02891
420	0.11652	555	0.02247	690	0.01815
425	0.11895	560	0.02041	695	0.01150
430	0.11980	565	0.01833	700	0.00859
435	0.12273	570	0.01723	705	0.00625
440	0.11988	575	0.01675	710	0.00664
445	0.11561	580	0.01971	715	0.00582
450	0.11028	585	0.01906	720	0.00416
455	0.10827	590	0.01944	725	0.00460
460	0.10550	595	0.01896	730	0.00337
465	0.10195	600	0.01751	735	0.00151
470	0.09905	605	0.01699	740	0.00174
475	0.09494	610	0.01877	745	0.00123
480	0.08880	615	0.01862	750	0.0

KN 0613.12 SPECTRUM 2
TOTAL CHL = 0.797 $\mu\text{g/l}$, CORRECTED DEPTH = 25.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.10257	485	0.10079	620	0.02174
355	0.09683	490	0.09779	625	0.02451
360	0.09611	495	0.09165	630	0.02433
365	0.09426	500	0.08470	635	0.02328
370	0.09840	505	0.07377	640	0.02435
375	0.10197	510	0.06552	645	0.02761
380	0.10363	515	0.05862	650	0.02850
385	0.10576	520	0.05435	655	0.03038
390	0.10693	525	0.04946	660	0.03469
395	0.10910	530	0.04746	665	0.04523
400	0.11445	535	0.04529	670	0.05637
405	0.11789	540	0.04299	675	0.05924
410	0.12510	545	0.04030	680	0.05114
415	0.13048	550	0.03752	685	0.03795
420	0.13199	555	0.03361	690	0.02498
425	0.13616	560	0.02861	695	0.01570
430	0.13598	565	0.02544	700	0.00839
435	0.13622	570	0.02240	705	0.00726
440	0.13221	575	0.02047	710	0.00589
445	0.12699	580	0.02264	715	0.00543
450	0.11814	585	0.02290	720	0.00545
455	0.11462	590	0.02246	725	0.00190
460	0.11381	595	0.02231	730	0.00131
465	0.11258	600	0.02111	735	0.00067
470	0.11073	605	0.01988	740	0.00174
475	0.10586	610	0.02154	745	0.00094
480	0.10245	615	0.02201	750	0.0

KN 0613.12 SPECTRUM 3
TOTAL CHL = 0.251 $\mu\text{g/l}$, CORRECTED DEPTH = 48.5 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.06912	485	0.04009	620	0.01195
355	0.05610	490	0.03845	625	0.01191
360	0.05775	495	0.03615	630	0.01109
365	0.05687	500	0.03338	635	0.00877
370	0.05892	505	0.02986	640	0.01020
375	0.06315	510	0.02688	645	0.01265
380	0.06252	515	0.02598	650	0.01380
385	0.05892	520	0.02302	655	0.01363
390	0.05863	525	0.02232	660	0.01514
395	0.06098	530	0.02048	665	0.01859
400	0.06263	535	0.02014	670	0.02093
405	0.06262	540	0.01961	675	0.02082
410	0.06450	545	0.01706	680	0.01733
415	0.06630	550	0.01641	685	0.01358
420	0.06506	555	0.01382	690	0.00881
425	0.06535	560	0.01285	695	0.00744
430	0.05976	565	0.01294	700	0.00438
435	0.05840	570	0.01067	705	0.00331
440	0.05482	575	0.01120	710	0.00348
445	0.05103	580	0.01417	715	0.00369
450	0.05000	585	0.01319	720	0.00343
455	0.04719	590	0.01270	725	0.00204
460	0.04543	595	0.01285	730	0.00077
465	0.04499	600	0.01297	735	0.00033
470	0.04404	605	0.01206	740	0.00043
475	0.04228	610	0.01244	745	0.00135
480	0.04111	615	0.01222	750	0.0

KN 0613.12 SPECTRUM 4
 TOTAL CHL = 0.022 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 120.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.04812	485	0.01854	620	0.00987
355	0.04611	490	0.01633	625	0.00889
360	0.04139	495	0.01718	630	0.00864
365	0.04107	500	0.01628	635	0.00652
370	0.04226	505	0.01692	640	0.00562
375	0.04456	510	0.01623	645	0.00719
380	0.04006	515	0.01483	650	0.00846
385	0.03983	520	0.01476	655	0.00890
390	0.04241	525	0.01429	660	0.00797
395	0.04308	530	0.01410	665	0.00859
400	0.04417	535	0.01345	670	0.00804
405	0.04196	540	0.01204	675	0.00794
410	0.04404	545	0.01284	680	0.00582
415	0.04262	550	0.01209	685	0.00656
420	0.04141	555	0.01141	690	0.00483
425	0.04342	560	0.01086	695	0.00521
430	0.03876	565	0.00971	700	0.00459
435	0.03395	570	0.01027	705	0.00339
440	0.03097	575	0.00961	710	0.00560
445	0.02746	580	0.01198	715	0.00269
450	0.02649	585	0.01165	720	0.00257
455	0.02533	590	0.01099	725	0.00265
460	0.02393	595	0.01075	730	0.00225
465	0.02178	600	0.01096	735	0.00124
470	0.02128	605	0.01088	740	0.00140
475	0.02014	610	0.00992	745	0.00068
480	0.01922	615	0.00982	750	0.0

KN 0615.13 SPECTRUM 1
TOTAL CHL = 0.537 $\mu\text{g/l}$, CORRECTED DEPTH = 1.3 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.14076	485	0.08680	620	0.01842
355	0.12871	490	0.08354	625	0.01724
360	0.12280	495	0.07719	630	0.01568
365	0.12325	500	0.06974	635	0.01725
370	0.12166	505	0.06256	640	0.01741
375	0.11789	510	0.05683	645	0.01947
380	0.11739	515	0.05162	650	0.02091
385	0.11784	520	0.04555	655	0.02355
390	0.11655	525	0.04146	660	0.02943
395	0.11818	530	0.03751	665	0.03894
400	0.11811	535	0.03351	670	0.04872
405	0.12161	540	0.03111	675	0.05057
410	0.12591	545	0.02771	680	0.04541
415	0.12555	550	0.02442	685	0.03534
420	0.12886	555	0.02105	690	0.01951
425	0.12900	560	0.01773	695	0.01220
430	0.12862	565	0.01657	700	0.00774
435	0.12884	570	0.01593	705	0.00475
440	0.12669	575	0.01594	710	0.00259
445	0.12104	580	0.01916	715	0.00271
450	0.11797	585	0.01920	720	0.00329
455	0.11479	590	0.01808	725	0.00131
460	0.11251	595	0.01821	730	-0.00031
465	0.11059	600	0.01693	735	0.00102
470	0.10512	605	0.01761	740	0.00124
475	0.09875	610	0.01749	745	0.00067
480	0.09266	615	0.01797	750	0.0

KN 0615.13 SPECTRUM 2
TOTAL CHL = 2.734 $\mu\text{g/l}$, CORRECTED DEPTH = 23.9 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.21081	485	0.17491	620	0.04959
355	0.20357	490	0.16676	625	0.05055
360	0.20368	495	0.15770	630	0.05216
365	0.20097	500	0.14874	635	0.05168
370	0.20334	505	0.13959	640	0.05241
375	0.20583	510	0.13241	645	0.05424
380	0.20769	515	0.12173	650	0.05509
385	0.21022	520	0.11565	655	0.05989
390	0.20750	525	0.10931	660	0.07575
395	0.21059	530	0.10510	665	0.09732
400	0.21277	535	0.09635	670	0.11521
405	0.21868	540	0.09015	675	0.12098
410	0.22436	545	0.08488	680	0.11059
415	0.22865	550	0.07730	685	0.07928
420	0.23031	555	0.06672	690	0.05323
425	0.23050	560	0.05967	695	0.03499
430	0.23317	565	0.05132	700	0.02348
435	0.23401	570	0.04911	705	0.01623
440	0.23061	575	0.04656	710	0.01208
445	0.22331	580	0.04829	715	0.00779
450	0.21469	585	0.05007	720	0.00569
455	0.21124	590	0.05039	725	0.00316
460	0.20866	595	0.04946	730	0.00264
465	0.20593	600	0.04687	735	0.00212
470	0.20293	605	0.04529	740	0.00051
475	0.19399	610	0.04670	745	-0.00036
480	0.18259	615	0.04864	750	0.0

KN 0615.13 SPECTRUM 3
TOTAL CHL = 1.953 $\mu\text{g/l}$, CORRECTED DEPTH = 30.3 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.17192	485	0.15799	620	0.04989
355	0.17445	490	0.14990	625	0.05014
360	0.17442	495	0.14330	630	0.05076
365	0.17752	500	0.13644	635	0.05077
370	0.17680	505	0.12690	640	0.05010
375	0.17929	510	0.12075	645	0.05281
380	0.18382	515	0.11167	650	0.05263
385	0.18569	520	0.10594	655	0.05646
390	0.18759	525	0.10240	660	0.06708
395	0.18669	530	0.09657	665	0.08218
400	0.19058	535	0.09218	670	0.09856
405	0.19409	540	0.08704	675	0.10836
410	0.20087	545	0.08385	680	0.09811
415	0.20418	550	0.07502	685	0.08238
420	0.20548	555	0.06865	690	0.05788
425	0.20731	560	0.06051	695	0.04021
430	0.21107	565	0.05453	700	0.02438
435	0.20669	570	0.05004	705	0.01827
440	0.20420	575	0.04890	710	0.01478
445	0.19664	580	0.05166	715	0.01031
450	0.19025	585	0.05119	720	0.00778
455	0.18609	590	0.05162	725	0.00689
460	0.18366	595	0.05128	730	0.00540
465	0.18172	600	0.04750	735	0.00232
470	0.17724	605	0.04715	740	0.00204
475	0.17185	610	0.04708	745	0.00217
480	0.16439	615	0.04894	750	0.0

KN 0615.13 SPECTRUM 4
TOTAL CHL = 1.579 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 42.7 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.12487	485	0.12209	620	0.03433
355	0.12086	490	0.11618	625	0.03403
360	0.12184	495	0.10958	630	0.03515
365	0.12656	500	0.10183	635	0.03554
370	0.12944	505	0.09441	640	0.03609
375	0.13312	510	0.08956	645	0.03737
380	0.13326	515	0.08401	650	0.03794
385	0.13767	520	0.07857	655	0.04124
390	0.13897	525	0.07402	660	0.05168
395	0.13857	530	0.07116	665	0.06641
400	0.14112	535	0.06711	670	0.08060
405	0.14572	540	0.06393	675	0.08715
410	0.15150	545	0.05765	680	0.08077
415	0.15540	550	0.05367	685	0.06645
420	0.15784	555	0.04629	690	0.04011
425	0.16006	560	0.03961	695	0.02784
430	0.16180	565	0.03565	700	0.01734
435	0.15940	570	0.03200	705	0.01167
440	0.15717	575	0.03002	710	0.00772
445	0.15221	580	0.03403	715	0.00702
450	0.14529	585	0.03484	720	0.00395
455	0.14128	590	0.03452	725	0.00374
460	0.13990	595	0.03542	730	0.00064
465	0.14022	600	0.03280	735	0.00242
470	0.13661	605	0.03208	740	0.00145
475	0.13217	610	0.03251	745	0.00043
480	0.12693	615	0.03466	750	0.0

KN 0615.13 SPECTRUM 5
TOTAL CHL = 0.781 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 60.5 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.06177	485	0.05717	620	0.01473
355	0.06737	490	0.05296	625	0.01593
360	0.06055	495	0.05081	630	0.01550
365	0.06555	500	0.04653	635	0.01465
370	0.06354	505	0.04287	640	0.01523
375	0.06825	510	0.04042	645	0.01727
380	0.06794	515	0.03675	650	0.01804
385	0.07207	520	0.03323	655	0.01979
390	0.06971	525	0.03109	660	0.02335
395	0.06959	530	0.02977	665	0.02960
400	0.07469	535	0.02706	670	0.03621
405	0.07655	540	0.02647	675	0.03945
410	0.07815	545	0.02378	680	0.03546
415	0.08082	550	0.02144	685	0.02884
420	0.08078	555	0.01945	690	0.01689
425	0.08163	560	0.01623	695	0.01116
430	0.08460	565	0.01383	700	0.00677
435	0.08020	570	0.01290	705	0.00512
440	0.07892	575	0.01281	710	0.00421
445	0.07522	580	0.01599	715	0.00522
450	0.07047	585	0.01604	720	0.00324
455	0.06786	590	0.01548	725	0.00075
460	0.06821	595	0.01688	730	0.00130
465	0.06842	600	0.01434	735	0.00174
470	0.06509	605	0.01575	740	0.00084
475	0.06455	610	0.01438	745	0.00060
480	0.06152	615	0.01537	750	0.0

KN 0615.13 SPECTRUM 6
TOTAL CHL = 0.325 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 90.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.02927	485	0.02375	620	0.00680
355	0.03066	490	0.02164	625	0.00735
360	0.03142	495	0.02065	630	0.00641
365	0.03275	500	0.01952	635	0.00648
370	0.02859	505	0.01716	640	0.00767
375	0.03318	510	0.01645	645	0.00993
380	0.03353	515	0.01569	650	0.01096
385	0.03378	520	0.01249	655	0.01059
390	0.03501	525	0.01207	660	0.01232
395	0.03493	530	0.00964	665	0.01439
400	0.03968	535	0.01024	670	0.01830
405	0.03799	540	0.00756	675	0.01974
410	0.04209	545	0.00673	680	0.01666
415	0.04245	550	0.00677	685	0.01199
420	0.04145	555	0.00455	690	0.00910
425	0.04166	560	0.00391	695	0.00594
430	0.04317	565	0.00320	700	0.00305
435	0.03627	570	0.00328	705	0.00318
440	0.03613	575	0.00364	710	0.00266
445	0.03308	580	0.00735	715	0.00263
450	0.03156	585	0.00659	720	0.00289
455	0.03042	590	0.00787	725	0.00203
460	0.03062	595	0.00712	730	0.00242
465	0.03010	600	0.00729	735	0.00324
470	0.02783	605	0.00679	740	0.00294
475	0.02773	610	0.00709	745	0.00094
480	0.02516	615	0.00669	750	0.0

KN 0616.01 SPECTRUM 1
TOTAL CHL = 0.567 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 3.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.09705	485	0.08132	620	0.01368
355	0.09292	490	0.07705	625	0.01466
360	0.09176	495	0.07074	630	0.01357
365	0.09219	500	0.06338	635	0.01185
370	0.09061	505	0.05693	640	0.01389
375	0.09168	510	0.05045	645	0.01547
380	0.09244	515	0.04509	650	0.01629
385	0.09443	520	0.03940	655	0.01799
390	0.09383	525	0.03418	660	0.02305
395	0.09634	530	0.03183	665	0.03079
400	0.10065	535	0.02834	670	0.03794
405	0.10674	540	0.02464	675	0.04041
410	0.11291	545	0.02213	680	0.03567
415	0.11681	550	0.01970	685	0.02507
420	0.12193	555	0.01675	690	0.01417
425	0.12441	560	0.01417	695	0.00846
430	0.12462	565	0.01187	700	0.00351
435	0.12388	570	0.01082	705	0.00354
440	0.11938	575	0.01171	710	0.00248
445	0.11525	580	0.01454	715	0.00241
450	0.10903	585	0.01391	720	0.00179
455	0.10605	590	0.01531	725	0.00163
460	0.10388	595	0.01422	730	0.00063
465	0.10058	600	0.01233	735	-0.00028
470	0.09543	605	0.01258	740	-0.00004
475	0.08983	610	0.01308	745	-0.00039
480	0.08617	615	0.01233	750	0.0

KN 0616.01 SPECTRUM 2
TOTAL CHL = 1.110 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 36.8 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.13733	485	0.14632	620	0.03153
355	0.13259	490	0.14635	625	0.03065
360	0.13274	495	0.14638	630	0.03176
365	0.13300	500	0.14641	635	0.03161
370	0.13568	505	0.14644	640	0.03571
375	0.13812	510	0.14647	645	0.03769
380	0.13780	515	0.14650	650	0.03771
385	0.14529	520	0.14653	655	0.04025
390	0.14382	525	0.14656	660	0.05030
395	0.14579	530	0.14658	665	0.06633
400	0.14582	535	0.14661	670	0.07658
405	0.14585	540	0.14664	675	0.07907
410	0.14588	545	0.14667	680	0.06789
415	0.14591	550	0.14670	685	0.04695
420	0.14594	555	0.14673	690	0.02905
425	0.14597	560	0.14676	695	0.01706
430	0.14600	565	0.14679	700	0.01089
435	0.14603	570	0.03241	705	0.00839
440	0.14605	575	0.03080	710	0.00796
445	0.14608	580	0.03388	715	0.00558
450	0.14611	585	0.03294	720	0.00470
455	0.14614	590	0.03416	725	0.00506
460	0.14617	595	0.03318	730	0.00161
465	0.14620	600	0.03008	735	0.00229
470	0.14623	605	0.02820	740	0.00107
475	0.14626	610	0.02969	745	0.00106
480	0.14629	615	0.03026	750	0.0

KN 0616.01 SPECTRUM 3
TOTAL CHL = 0.911 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 46.2 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.11676	485	0.11308	620	0.02726
355	0.11247	490	0.10789	625	0.02793
360	0.11442	495	0.10272	630	0.02633
365	0.11770	500	0.09526	635	0.02799
370	0.11753	505	0.08778	640	0.03090
375	0.12252	510	0.08243	645	0.03446
380	0.12273	515	0.07588	650	0.03327
385	0.12528	520	0.07129	655	0.03604
390	0.12525	525	0.06856	660	0.04451
395	0.12645	530	0.06635	665	0.05313
400	0.13183	535	0.06398	670	0.06434
405	0.13433	540	0.06156	675	0.06754
410	0.14131	545	0.05907	680	0.05948
415	0.14491	550	0.05297	685	0.04914
420	0.14482	555	0.04573	690	0.02242
425	0.15066	560	0.03523	695	0.01535
430	0.14926	565	0.03182	700	0.00851
435	0.14809	570	0.02909	705	0.00757
440	0.14736	575	0.02876	710	0.00655
445	0.13990	580	0.02802	715	0.00479
450	0.13428	585	0.02945	720	0.00337
455	0.13027	590	0.02947	725	0.00328
460	0.13020	595	0.02840	730	0.00261
465	0.12933	600	0.02546	735	0.00199
470	0.12672	605	0.02512	740	0.00074
475	0.12294	610	0.02549	745	0.00015
480	0.11824	615	0.02541	750	0.0

KN 0616.01 SPECTRUM 4
TOTAL CHL = — us/l, CORRECTED DEPTH = 56.3 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.11522	485	0.08826	620	0.02310
355	0.11334	490	0.08496	625	0.02301
360	0.11592	495	0.08187	630	0.02303
365	0.11608	500	0.07602	635	0.02296
370	0.11631	505	0.07061	640	0.02289
375	0.11605	510	0.06582	645	0.02285
380	0.11716	515	0.06119	650	0.02293
385	0.11929	520	0.05819	655	0.02301
390	0.12069	525	0.05522	660	0.02300
395	0.12096	530	0.05337	665	0.04145
400	0.12262	535	0.05362	670	0.04627
405	0.12685	540	0.05186	675	0.04735
410	0.12844	545	0.04886	680	0.04102
415	0.13101	550	0.04577	685	0.02993
420	0.13152	555	0.04070	690	0.02013
425	0.12992	560	0.03459	695	0.01535
430	0.12842	565	0.02922	700	0.01149
435	0.12435	570	0.02518	705	0.00836
440	0.11742	575	0.02480	710	0.00756
445	0.11108	580	0.02583	715	0.00677
450	0.10589	585	0.02465	720	0.00513
455	0.10299	590	0.02493	725	0.00504
460	0.10119	595	0.02501	730	0.00283
465	0.09875	600	0.02259	735	0.00228
470	0.09718	605	0.02260	740	0.00281
475	0.09460	610	0.02176	745	0.00118
480	0.09050	615	0.02279	750	0.0

KN 0616.01 SPECTRUM 5
TOTAL CHL = 0.114 us/l, CORRECTED DEPTH = 82.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.11481	485	0.03996	620	0.01127
355	0.10989	490	0.03820	625	0.01130
360	0.10977	495	0.03742	630	0.00966
365	0.10882	500	0.03487	635	0.00771
370	0.10669	505	0.03341	640	0.00977
375	0.10534	510	0.03204	645	0.01307
380	0.10483	515	0.03024	650	0.01219
385	0.10358	520	0.02756	655	0.01174
390	0.10203	525	0.02638	660	0.01309
395	0.09746	530	0.02558	665	0.01221
400	0.09996	535	0.02480	670	0.01372
405	0.09761	540	0.02175	675	0.01412
410	0.09672	545	0.02082	680	0.01230
415	0.09356	550	0.01994	685	0.01155
420	0.05526	555	0.01768	690	0.00954
425	0.09028	560	0.01662	695	0.00788
430	0.07973	565	0.01440	700	0.00489
435	0.07489	570	0.01428	705	0.00565
440	0.07092	575	0.01431	710	0.00474
445	0.06587	580	0.01570	715	0.00356
450	0.06089	585	0.01579	720	0.00338
455	0.05746	590	0.01460	725	0.00358
460	0.05467	595	0.01360	730	0.00362
465	0.05121	600	0.01298	735	0.00189
470	0.04961	605	0.01222	740	0.00194
475	0.04583	610	0.01218	745	0.00154
480	0.04280	615	0.01255	750	0.0

KN 0616.04 SPECTRUM 1
TOTAL CHL = 0.206 $\mu\text{g/l}$, CORRECTED DEPTH = 4.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.14006	485	0.09219	620	0.02266
355	0.13207	490	0.08726	625	0.02201
360	0.12629	495	0.08135	630	0.02086
365	0.11816	500	0.07564	635	0.01892
370	0.12220	505	0.06863	640	0.02124
375	0.11634	510	0.06219	645	0.02273
380	0.11677	515	0.05520	650	0.02399
385	0.11959	520	0.05195	655	0.02410
390	0.11874	525	0.04568	660	0.02783
395	0.12108	530	0.04168	665	0.03279
400	0.12569	535	0.03898	670	0.03909
405	0.12775	540	0.03581	675	0.03965
410	0.13021	545	0.03362	680	0.03522
415	0.13352	550	0.03017	685	0.02520
420	0.13850	555	0.02907	690	0.01539
425	0.13692	560	0.02694	695	0.01006
430	0.13639	565	0.02456	700	0.00833
435	0.13491	570	0.02438	705	0.00775
440	0.13061	575	0.02384	710	0.00744
445	0.12381	580	0.02586	715	0.00629
450	0.11922	585	0.02637	720	0.00623
455	0.11694	590	0.02491	725	0.00436
460	0.11520	595	0.02447	730	0.00285
465	0.10922	600	0.02338	735	0.00434
470	0.10484	605	0.02277	740	0.00189
475	0.10148	610	0.02257	745	0.00324
480	0.09504	615	0.02211	750	0.0

KN 0616.04 SPECTRUM 2
TOTAL CHL = 4.286 $\mu\text{g/l}$, CORRECTED DEPTH = 42.3 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.28819	485	0.31734	620	0.08257
355	0.28936	490	0.30190	625	0.08483
360	0.29174	495	0.28140	630	0.08643
365	0.29680	500	0.26189	635	0.08923
370	0.30293	505	0.24303	640	0.09178
375	0.30990	510	0.22658	645	0.09495
380	0.31794	515	0.21249	650	0.09379
385	0.31953	520	0.19934	655	0.10111
390	0.32693	525	0.18710	660	0.12729
395	0.33210	530	0.17610	665	0.16368
400	0.33760	535	0.16875	670	0.19573
405	0.35736	540	0.15887	675	0.19385
410	0.37376	545	0.14892	680	0.17121
415	0.38669	550	0.13670	685	0.12012
420	0.39160	555	0.12184	690	0.07526
425	0.39828	560	0.10498	695	0.04507
430	0.41101	565	0.09290	700	0.02762
435	0.41826	570	0.08757	705	0.02092
440	0.41078	575	0.08463	710	0.01370
445	0.39234	580	0.08662	715	0.01387
450	0.38328	585	0.08789	720	0.01038
455	0.37734	590	0.08939	725	0.00786
460	0.37580	595	0.08605	730	0.00625
465	0.37282	600	0.08115	735	0.00397
470	0.36575	605	0.07744	740	0.00179
475	0.35271	610	0.07791	745	0.00237
480	0.33595	615	0.08031	750	0.0

KN 0616.04 SPECTRUM 3
TOTAL CHL = 1.085 $\mu\text{g/l}$, CORRECTED DEPTH = 56.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.10542	485	0.09456	620	0.02385
355	0.10756	490	0.09004	625	0.02461
360	0.10402	495	0.08519	630	0.02298
365	0.10476	500	0.07843	635	0.02354
370	0.10868	505	0.07288	640	0.02647
375	0.10853	510	0.06589	645	0.03101
380	0.11135	515	0.06172	650	0.03189
385	0.10979	520	0.05716	655	0.03112
390	0.11081	525	0.05608	660	0.03728
395	0.11171	530	0.05386	665	0.04515
400	0.11407	535	0.05239	670	0.05371
405	0.11917	540	0.05176	675	0.05411
410	0.12062	545	0.04910	680	0.04426
415	0.12561	550	0.04555	685	0.03043
420	0.12500	555	0.03865	690	0.02081
425	0.12944	560	0.03347	695	0.01256
430	0.12817	565	0.02756	700	0.00754
435	0.12592	570	0.02507	705	0.00594
440	0.12220	575	0.02435	710	0.00530
445	0.11600	580	0.02625	715	0.00365
450	0.11025	585	0.02599	720	0.00401
455	0.10633	590	0.02730	725	0.00226
460	0.10783	595	0.02561	730	0.00138
465	0.10717	600	0.02499	735	-0.00051
470	0.10491	605	0.02390	740	0.00045
475	0.10230	610	0.02267	745	-0.00112
480	0.09796	615	0.02359	750	0.0

KN 0616.04 SPECTRUM 4
 TOTAL CHL = 0.085 $\mu\text{g/l}$, CORRECTED DEPTH = 82.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.04965	485	0.01732	620	0.00764
355	0.05013	490	0.01442	625	0.00244
360	0.04447	495	0.01519	630	0.00553
365	0.04692	500	0.01541	635	0.00449
370	0.04511	505	0.01486	640	0.00521
375	0.04706	510	0.01318	645	0.00754
380	0.04401	515	0.01322	650	0.00874
385	0.04303	520	0.01246	655	0.00870
390	0.04418	525	0.01211	660	0.00871
395	0.04398	530	0.01026	665	0.00859
400	0.04352	535	0.00961	670	0.00802
405	0.04179	540	0.00970	675	0.00890
410	0.04192	545	0.00990	680	0.00808
415	0.04271	550	0.00906	685	0.00675
420	0.04077	555	0.00771	690	0.00573
425	0.03975	560	0.00791	695	0.00448
430	0.03883	565	0.00803	700	0.00471
435	0.03214	570	0.00657	705	0.00436
440	0.02934	575	0.00689	710	0.00403
445	0.02775	580	0.00961	715	0.00336
450	0.02570	585	0.00860	720	0.00320
455	0.02373	590	0.00951	725	0.00364
460	0.02170	595	0.00924	730	0.00235
465	0.02035	600	0.00868	735	0.00220
470	0.02046	605	0.00835	740	0.00210
475	0.02076	610	0.00848	745	0.00151
480	0.01884	615	0.00804	750	0.0

KN 0616.06 SPECTRUM 1
TOTAL CHL = 0.895 $\mu\text{g/l}$, CORRECTED DEPTH = 3.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.14760	485	0.20289	620	0.02916
355	0.15215	490	0.20296	625	0.03045
360	0.14743	495	0.20303	630	0.02941
365	0.14760	500	0.20310	635	0.02971
370	0.14993	505	0.20317	640	0.03110
375	0.15330	510	0.20324	645	0.03234
380	0.15670	515	0.20331	650	0.03410
385	0.15804	520	0.20337	655	0.03694
390	0.16180	525	0.20344	660	0.04700
395	0.16436	530	0.20351	665	0.05959
400	0.16928	535	0.20358	670	0.07254
405	0.17914	540	0.20365	675	0.06927
410	0.18720	545	0.20372	680	0.05628
415	0.19319	550	0.20379	685	0.03381
420	0.19750	555	0.20386	690	0.01808
425	0.20249	560	0.20393	695	0.01167
430	0.20213	565	0.20399	700	0.00738
435	0.20220	570	0.20406	705	0.00639
440	0.20227	575	0.20413	710	0.00318
445	0.20234	580	0.20420	715	0.00065
450	0.20241	585	0.20427	720	0.00219
455	0.20248	590	0.20434	725	0.00172
460	0.20255	595	0.20441	730	-0.00054
465	0.20262	600	0.20448	735	-0.00032
470	0.20269	605	0.02723	740	-0.00087
475	0.20275	610	0.02864	745	-0.00087
480	0.20282	615	0.02897	750	0.0

KN 0616.06 SPECTRUM 2
TOTAL CHL = 0.219 $\mu\text{g/l}$, CORRECTED DEPTH = 31.7 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.10149	485	0.06427	620	0.01618
355	0.09522	490	0.06089	625	0.01684
360	0.09071	495	0.05649	630	0.01296
365	0.09002	500	0.05248	635	0.01301
370	0.09046	505	0.04860	640	0.01297
375	0.08937	510	0.04475	645	0.01523
380	0.08989	515	0.03879	650	0.01595
385	0.09002	520	0.03630	655	0.01804
390	0.08846	525	0.03346	660	0.01896
395	0.09082	530	0.03109	665	0.02360
400	0.09141	535	0.02872	670	0.02723
405	0.09629	540	0.02556	675	0.02852
410	0.09862	545	0.02367	680	0.02537
415	0.10014	550	0.02152	685	0.01765
420	0.10098	555	0.02052	690	0.01099
425	0.10204	560	0.01880	695	0.00891
430	0.10306	565	0.01768	700	0.00672
435	0.09830	570	0.01699	705	0.00598
440	0.09432	575	0.01637	710	0.00634
445	0.09054	580	0.02067	715	0.00453
450	0.08630	585	0.01961	720	0.00465
455	0.08293	590	0.01964	725	0.00374
460	0.08286	595	0.01796	730	0.00367
465	0.07982	600	0.01739	735	0.00216
470	0.07457	605	0.01809	740	0.00356
475	0.07027	610	0.01669	745	0.00289
480	0.06646	615	0.01584	750	0.0

KN 0616.06 SPECTRUM 3
TOTAL CHL = 0.823 $\mu\text{g/l}$, CORRECTED DEPTH = 36.9 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.11030	485	0.12401	620	-0.00083
355	0.10360	490	0.11472	625	-0.00018
360	0.11627	495	0.10687	630	-0.00018
365	0.11445	500	0.09643	635	-0.00017
370	0.11909	505	0.08732	640	-0.00016
375	0.12462	510	0.08276	645	-0.00015
380	0.12633	515	0.06753	650	-0.00015
385	0.12604	520	0.06108	655	-0.00014
390	0.13005	525	0.05634	660	-0.00013
395	0.13450	530	0.05352	665	-0.00013
400	0.14236	535	0.05069	670	-0.00012
405	0.14976	540	0.04952	675	-0.00011
410	0.15238	545	0.04561	680	-0.00010
415	0.16106	550	0.03919	685	-0.00010
420	0.16371	555	0.03019	690	-0.00009
425	0.17090	560	0.01741	695	-0.00008
430	0.17049	565	0.00969	700	-0.00007
435	0.17102	570	0.00505	705	-0.00007
440	0.16722	575	0.00183	710	-0.00006
445	0.15435	580	0.00359	715	-0.00005
450	0.14873	585	0.00484	720	-0.00004
455	0.14268	590	0.00604	725	-0.00004
460	0.14278	595	0.00425	730	-0.00003
465	0.14182	600	0.00036	735	-0.00002
470	0.14039	605	-0.00077	740	-0.00001
475	0.13474	610	-0.00011	745	-0.00001
480	0.12695	615	0.00036	750	0.0

KN 0616.06 SPECTRUM 4
TOTAL CHL = 0.139 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 81.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.04328	485	0.02175	620	0.00789
355	0.04643	490	0.02022	625	0.00733
360	0.04124	495	0.01860	630	0.00460
365	0.04428	500	0.01917	635	0.00353
370	0.04484	505	0.01838	640	0.00453
375	0.04462	510	0.01620	645	0.00815
380	0.04502	515	0.01546	650	0.00869
385	0.04511	520	0.01415	655	0.00733
390	0.04567	525	0.01347	660	0.00814
395	0.04588	530	0.01351	665	0.00892
400	0.04757	535	0.01230	670	0.00979
405	0.04698	540	0.01101	675	0.01002
410	0.04901	545	0.01121	680	0.00659
415	0.04659	550	0.00886	685	0.00543
420	0.04688	555	0.00748	690	0.00306
425	0.04551	560	0.00764	695	0.00216
430	0.04259	565	0.00651	700	0.00123
435	0.03712	570	0.00722	705	0.00111
440	0.03542	575	0.00693	710	0.00021
445	0.03228	580	0.00847	715	-0.00198
450	0.03063	585	0.00948	720	0.00060
455	0.02809	590	0.00866	725	-0.00143
460	0.02793	595	0.00829	730	-0.00153
465	0.02726	600	0.00824	735	-0.00053
470	0.02641	605	0.00726	740	-0.00138
475	0.02486	610	0.00662	745	-0.00174
480	0.02292	615	0.00750	750	0.0

KN 0616.08 SPECTRUM 1
TOTAL CHL = 0.283 $\mu\text{g/l}$, CORRECTED DEPTH = 3.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.09158	485	0.05547	620	0.01282
355	0.08684	490	0.05053	625	0.01230
360	0.08642	495	0.04816	630	0.01026
365	0.08584	500	0.04430	635	0.00917
370	0.08405	505	0.04049	640	0.00921
375	0.08552	510	0.03678	645	0.01291
380	0.08383	515	0.03339	650	0.01264
385	0.08461	520	0.02867	655	0.01323
390	0.08393	525	0.02650	660	0.01573
395	0.08634	530	0.02560	665	0.01955
400	0.08989	535	0.02212	670	0.02333
405	0.09026	540	0.02054	675	0.02376
410	0.09386	545	0.01726	680	0.01980
415	0.09667	550	0.01735	685	0.01450
420	0.09759	555	0.01564	690	0.01014
425	0.09938	560	0.01439	695	0.00653
430	0.09394	565	0.01308	700	0.00395
435	0.08986	570	0.01239	705	0.00334
440	0.08591	575	0.01219	710	0.00313
445	0.08117	580	0.01479	715	0.00095
450	0.07717	585	0.01483	720	0.00171
455	0.07486	590	0.01536	725	0.00147
460	0.07321	595	0.01426	730	0.00133
465	0.07002	600	0.01384	735	0.00210
470	0.06635	605	0.01266	740	0.00113
475	0.06255	610	0.01173	745	0.00272
480	0.05872	615	0.01240	750	0.0

KN 0616.08 SPECTRUM 2
TOTAL CHL = 1.937 $\mu\text{g/l}$, CORRECTED DEPTH = 31.8 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.17728	485	0.19189	620	0.04386
355	0.17239	490	0.18272	625	0.04508
360	0.17434	495	0.17250	630	0.04580
365	0.17811	500	0.15915	635	0.04513
370	0.17947	505	0.14665	640	0.04747
375	0.18912	510	0.13445	645	0.05038
380	0.18947	515	0.12585	650	0.05105
385	0.19509	520	0.11707	655	0.05471
390	0.19687	525	0.11090	660	0.06522
395	0.20268	530	0.10510	665	0.08863
400	0.20762	535	0.10170	670	0.10691
405	0.21691	540	0.09667	675	0.10526
410	0.22687	545	0.09289	680	0.08923
415	0.23496	550	0.08445	685	0.05972
420	0.23843	555	0.07420	690	0.03132
425	0.24352	560	0.06219	695	0.02044
430	0.24601	565	0.05324	700	0.01590
435	0.24936	570	0.05025	705	0.01044
440	0.24510	575	0.04610	710	0.00864
445	0.23422	580	0.04714	715	0.00622
450	0.22886	585	0.04758	720	0.00583
455	0.22631	590	0.04686	725	0.00349
460	0.22582	595	0.04563	730	0.00337
465	0.22364	600	0.04299	735	0.00302
470	0.21777	605	0.04177	740	0.00281
475	0.20978	610	0.04282	745	0.00217
480	0.19962	615	0.04292	750	0.0

KN 0616.08 SPECTRUM 3
TOTAL CHL = 1.888 $\mu\text{g/l}$, CORRECTED DEPTH = 37.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.16817	485	0.19666	620	0.04240
355	0.16580	490	0.18873	625	0.04436
360	0.17066	495	0.17745	630	0.04370
365	0.17011	500	0.16513	635	0.04537
370	0.17612	505	0.14882	640	0.04758
375	0.18277	510	0.13859	645	0.05133
380	0.18591	515	0.12901	650	0.05226
385	0.18971	520	0.12173	655	0.05745
390	0.19291	525	0.11672	660	0.07026
395	0.19546	530	0.11201	665	0.09041
400	0.20421	535	0.10755	670	0.10800
405	0.21355	540	0.10421	675	0.10587
410	0.22395	545	0.10085	680	0.08184
415	0.23184	550	0.09216	685	0.05171
420	0.23742	555	0.07956	690	0.03180
425	0.24296	560	0.06377	695	0.01685
430	0.24480	565	0.05491	700	0.00832
435	0.24857	570	0.04903	705	0.00806
440	0.24538	575	0.04449	710	0.00537
445	0.23531	580	0.04638	715	0.00536
450	0.22761	585	0.04744	720	0.00430
455	0.22650	590	0.04739	725	0.00182
460	0.22620	595	0.04491	730	0.00155
465	0.22393	600	0.04313	735	0.00041
470	0.22154	605	0.04041	740	-0.00053
475	0.21301	610	0.04028	745	-0.00232
480	0.20633	615	0.04159	750	0.0

KN 0616.08 SPECTRUM 4
TOTAL CHL = 1.334 $\mu\text{g/l}$, CORRECTED DEPTH = 46.4 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.11016	485	0.11726	620	0.02683
355	0.10588	490	0.11256	625	0.02881
360	0.11207	495	0.10530	630	0.02767
365	0.11440	500	0.09503	635	0.02931
370	0.11558	505	0.08781	640	0.03249
375	0.11918	510	0.08138	645	0.03585
380	0.12169	515	0.07703	650	0.03521
385	0.12371	520	0.07221	655	0.03758
390	0.12729	525	0.06947	660	0.04450
395	0.12610	530	0.06801	665	0.05646
400	0.12760	535	0.06522	670	0.06727
405	0.13942	540	0.06386	675	0.06458
410	0.14195	545	0.06112	680	0.05199
415	0.14639	550	0.05526	685	0.03476
420	0.14739	555	0.04787	690	0.02050
425	0.15173	560	0.03914	695	0.01477
430	0.15056	565	0.03204	700	0.00745
435	0.15269	570	0.02948	705	0.00748
440	0.14672	575	0.02772	710	0.00515
445	0.13916	580	0.02922	715	0.00335
450	0.13419	585	0.02980	720	0.00447
455	0.13099	590	0.03048	725	0.00416
460	0.13231	595	0.02931	730	0.00347
465	0.13250	600	0.02729	735	0.00063
470	0.12888	605	0.02665	740	0.00122
475	0.12547	610	0.02617	745	0.00056
480	0.12137	615	0.02587	750	0.0

KN 0616.08 SPECTRUM 5
TOTAL CHL = 0.124 $\mu\text{g/l}$, CORRECTED DEPTH = 83.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.05025	485	0.02514	620	0.01277
355	0.04869	490	0.02437	625	0.01228
360	0.05002	495	0.02340	630	0.01246
365	0.05023	500	0.02304	635	0.00905
370	0.05107	505	0.02151	640	0.00969
375	0.05052	510	0.02074	645	0.01272
380	0.05021	515	0.01962	650	0.01325
385	0.04848	520	0.01880	655	0.01391
390	0.04999	525	0.01856	660	0.01329
395	0.04841	530	0.01675	665	0.01403
400	0.04940	535	0.01549	670	0.01526
405	0.05200	540	0.01563	675	0.01468
410	0.05055	545	0.01472	680	0.01319
415	0.04987	550	0.01489	685	0.01026
420	0.04793	555	0.01350	690	0.01001
425	0.04809	560	0.01291	695	0.00695
430	0.04645	565	0.01136	700	0.00637
435	0.03944	570	0.01123	705	0.00670
440	0.03941	575	0.01076	710	0.00472
445	0.03615	580	0.01432	715	0.00460
450	0.03269	585	0.01466	720	0.00435
455	0.03283	590	0.01420	725	0.00361
460	0.03240	595	0.01323	730	0.00158
465	0.03223	600	0.01387	735	0.00153
470	0.03012	605	0.01339	740	0.00045
475	0.02979	610	0.01277	745	-0.00002
480	0.02598	615	0.01232	750	0.0

KN 0617.01 SPECTRUM 1
TOTAL CHL = 0.365 $\mu\text{g/l}$, CORRECTED DEPTH = 2.8 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.05219	485	0.04399	620	0.00833
355	0.04648	490	0.04248	625	0.00754
360	0.05064	495	0.03931	630	0.00765
365	0.05196	500	0.03498	635	0.00796
370	0.04909	505	0.03119	640	0.00879
375	0.05518	510	0.02705	645	0.01047
380	0.05331	515	0.02365	650	0.01161
385	0.05482	520	0.02145	655	0.01213
390	0.05629	525	0.01691	660	0.01441
395	0.05830	530	0.01544	665	0.01974
400	0.06259	535	0.01392	670	0.02502
405	0.06403	540	0.01149	675	0.02290
410	0.06632	545	0.00985	680	0.01862
415	0.07049	550	0.00841	685	0.01373
420	0.07167	555	0.00762	690	0.00808
425	0.07413	560	0.00650	695	0.00463
430	0.07337	565	0.00559	700	0.00325
435	0.07185	570	0.00524	705	0.00164
440	0.06871	575	0.00498	710	0.00215
445	0.06520	580	0.00819	715	0.00216
450	0.06114	585	0.00856	720	0.00130
455	0.05929	590	0.00709	725	0.00105
460	0.05947	595	0.00778	730	0.00106
465	0.05602	600	0.00703	735	0.00024
470	0.05278	605	0.00612	740	0.00172
475	0.05056	610	0.00679	745	0.00190
480	0.04744	615	0.00757	750	0.0

KN 0617.01 SPECTRUM 2
TOTAL CHL = 1.302 $\mu\text{g/l}$, CORRECTED DEPTH = 32.4 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.14955	485	0.18708	620	0.03926
355	0.15050	490	0.17960	625	0.04046
360	0.15106	495	0.16779	630	0.04202
365	0.15161	500	0.15644	635	0.04246
370	0.16069	505	0.14309	640	0.04536
375	0.16497	510	0.13144	645	0.04824
380	0.17048	515	0.12365	650	0.04756
385	0.17288	520	0.11329	655	0.05139
390	0.17991	525	0.10905	660	0.06116
395	0.18501	530	0.10616	665	0.08030
400	0.19150	535	0.10184	670	0.10321
405	0.20204	540	0.10069	675	0.10621
410	0.21219	545	0.09526	680	0.08933
415	0.21985	550	0.08904	685	0.06197
420	0.22566	555	0.07558	690	0.03578
425	0.23205	560	0.06276	695	0.02112
430	0.23720	565	0.05231	700	0.01035
435	0.23999	570	0.04593	705	0.00790
440	0.23610	575	0.04118	710	0.00525
445	0.22618	580	0.04091	715	0.00359
450	0.22034	585	0.04093	720	0.00351
455	0.21718	590	0.04023	725	0.00248
460	0.21654	595	0.03980	730	0.00204
465	0.21603	600	0.03646	735	0.00002
470	0.21083	605	0.03525	740	-0.00031
475	0.20220	610	0.03685	745	-0.00023
480	0.19386	615	0.03838	750	0.0

KN 0617.01 SPECTRUM 3
TOTAL CHL = 1.931 $\mu\text{g/l}$, CORRECTED DEPTH = 44.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.11647	485	0.13433	620	0.03361
355	0.12209	490	0.12766	625	0.03458
360	0.11957	495	0.12102	630	0.03404
365	0.11948	500	0.11128	635	0.03577
370	0.12451	505	0.10141	640	0.03754
375	0.12720	510	0.09286	645	0.04234
380	0.13113	515	0.08772	650	0.04291
385	0.13359	520	0.08337	655	0.04523
390	0.13395	525	0.08104	660	0.05333
395	0.13665	530	0.07806	665	0.06676
400	0.14026	535	0.07644	670	0.07919
405	0.14741	540	0.07403	675	0.07767
410	0.15257	545	0.07151	680	0.06656
415	0.15877	550	0.06647	685	0.04729
420	0.16044	555	0.05799	690	0.02658
425	0.16247	560	0.04746	695	0.01981
430	0.16419	565	0.04019	700	0.01129
435	0.16792	570	0.03564	705	0.00850
440	0.16272	575	0.03503	710	0.00635
445	0.15734	580	0.03618	715	0.00660
450	0.15112	585	0.03477	720	0.00535
455	0.14889	590	0.03473	725	0.00447
460	0.14915	595	0.03436	730	0.00209
465	0.14748	600	0.03296	735	0.00235
470	0.14852	605	0.03257	740	0.00293
475	0.14263	610	0.03217	745	0.00009
480	0.13763	615	0.03284	750	0.0

KN 0617.01 SPECTRUM 4
TOTAL CHL = 0.070 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 80.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.03903	485	0.02125	620	0.00981
355	0.03799	490	0.02055	625	0.00973
360	0.03640	495	0.01948	630	0.00820
365	0.03815	500	0.02000	635	0.00752
370	0.03873	505	0.01942	640	0.01037
375	0.03985	510	0.01801	645	0.01152
380	0.04066	515	0.01770	650	0.01169
385	0.04239	520	0.01630	655	0.01019
390	0.03999	525	0.01536	660	0.01037
395	0.04105	530	0.01474	665	0.01025
400	0.04189	535	0.01476	670	0.00981
405	0.04369	540	0.01331	675	0.00871
410	0.04369	545	0.01317	680	0.00820
415	0.04233	550	0.01266	685	0.00758
420	0.04226	555	0.01233	690	0.00606
425	0.04118	560	0.01119	695	0.00533
430	0.03758	565	0.00998	700	0.00535
435	0.03428	570	0.00997	705	0.00436
440	0.03185	575	0.01021	710	0.00420
445	0.03145	580	0.01299	715	0.00295
450	0.02868	585	0.01314	720	0.00264
455	0.02659	590	0.01206	725	0.00216
460	0.02603	595	0.01124	730	0.00132
465	0.02531	600	0.01110	735	0.00027
470	0.02337	605	0.01044	740	0.00115
475	0.02330	610	0.00986	745	0.00130
480	0.02154	615	0.00959	750	0.0

KN 0617.03 SPECTRUM 1
TOTAL CHL = 0.449 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 3.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.07264	485	0.04680	620	0.00985
355	0.07695	490	0.04417	625	0.01061
360	0.07503	495	0.04119	630	0.00894
365	0.07479	500	0.03922	635	0.00976
370	0.07738	505	0.03683	640	0.01080
375	0.07812	510	0.03473	645	0.01340
380	0.07959	515	0.03141	650	0.01373
385	0.07797	520	0.02928	655	0.01387
390	0.07827	525	0.02681	660	0.01692
395	0.07937	530	0.02644	665	0.02000
400	0.07948	535	0.02664	670	0.02303
405	0.08174	540	0.02525	675	0.02222
410	0.07987	545	0.02308	680	0.01937
415	0.08287	550	0.02119	685	0.01284
420	0.08124	555	0.01856	690	0.00803
425	0.08002	560	0.01577	695	0.00542
430	0.07698	565	0.01450	700	0.00175
435	0.07358	570	0.01230	705	0.00139
440	0.07061	575	0.01244	710	0.00074
445	0.06544	580	0.01249	715	0.00120
450	0.06135	585	0.01185	720	-0.00045
455	0.05921	590	0.01122	725	-0.00011
460	0.05803	595	0.01166	730	-0.00240
465	0.05672	600	0.01007	735	-0.00148
470	0.05321	605	0.00965	740	-0.00306
475	0.05141	610	0.00997	745	-0.00221
480	0.04987	615	0.00979	750	0.0

KN 0617.03 SPECTRUM 2
TOTAL CHL = 2.099 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 22.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.18455	485	0.20476	620	0.04757
355	0.18114	490	0.19756	625	0.04908
360	0.18811	495	0.19072	630	0.04970
365	0.19092	500	0.17641	635	0.05230
370	0.19513	505	0.16089	640	0.05513
375	0.20046	510	0.14806	645	0.05866
380	0.20351	515	0.13644	650	0.05925
385	0.20739	520	0.12805	655	0.06281
390	0.20940	525	0.12556	660	0.07385
395	0.21246	530	0.12287	665	0.09815
400	0.21876	535	0.12219	670	0.12153
405	0.23127	540	0.12128	675	0.12183
410	0.24075	545	0.11843	680	0.10627
415	0.25099	550	0.11047	685	0.07609
420	0.25256	555	0.09522	690	0.04777
425	0.26142	560	0.08017	695	0.02799
430	0.26917	565	0.06666	700	0.01716
435	0.27315	570	0.05802	705	0.01233
440	0.27025	575	0.05107	710	0.00938
445	0.25525	580	0.05033	715	0.00690
450	0.24230	585	0.04919	720	0.00547
455	0.23493	590	0.04888	725	0.00496
460	0.23215	595	0.04706	730	0.00271
465	0.23022	600	0.04457	735	0.00115
470	0.22659	605	0.04363	740	0.00025
475	0.21809	610	0.04402	745	0.00040
480	0.21054	615	0.04576	750	0.0

KN 0617.03 SPECTRUM 3
TOTAL CHL = 0.443 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 44.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.08178	485	0.06237	620	0.00820
355	0.07441	490	0.05777	625	0.00855
360	0.07659	495	0.05214	630	0.00787
365	0.07319	500	0.04559	635	0.00733
370	0.07293	505	0.04063	640	0.00793
375	0.07490	510	0.03642	645	0.01000
380	0.07481	515	0.03075	650	0.00943
385	0.07644	520	0.02518	655	0.01236
390	0.07683	525	0.02259	660	0.01533
395	0.07937	530	0.02018	665	0.02154
400	0.07885	535	0.01826	670	0.02561
405	0.08222	540	0.01507	675	0.02673
410	0.08685	545	0.01417	680	0.02305
415	0.09016	550	0.01162	685	0.01385
420	0.09368	555	0.00944	690	0.00694
425	0.09683	560	0.00890	695	0.00279
430	0.09637	565	0.00805	700	0.00100
435	0.09551	570	0.00746	705	0.00068
440	0.09158	575	0.00708	710	-0.00045
445	0.08604	580	0.00874	715	0.00137
450	0.08181	585	0.00796	720	-0.00092
455	0.08049	590	0.00828	725	-0.00027
460	0.07954	595	0.00866	730	0.00006
465	0.07567	600	0.00833	735	-0.00163
470	0.07245	605	0.00695	740	-0.00085
475	0.06753	610	0.00794	745	-0.00212
480	0.06487	615	0.00766	750	0.0

KN 0617.03 SPECTRUM 4
TOTAL CHL = 0.080 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 83.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.07479	485	0.03450	620	0.01295
355	0.07597	490	0.03315	625	0.01381
360	0.07694	495	0.03369	630	0.01001
365	0.07924	500	0.03258	635	0.01178
370	0.07973	505	0.03146	640	0.01251
375	0.07774	510	0.03025	645	0.01422
380	0.07715	515	0.02827	650	0.01393
385	0.07846	520	0.02697	655	0.01358
390	0.07928	525	0.02527	660	0.01266
395	0.07680	530	0.02497	665	0.01329
400	0.08018	535	0.02341	670	0.01245
405	0.07778	540	0.02299	675	0.00996
410	0.07560	545	0.02175	680	0.00855
415	0.07606	550	0.02041	685	0.00923
420	0.07644	555	0.01925	690	0.00850
425	0.07476	560	0.01856	695	0.00808
430	0.06641	565	0.01654	700	0.00683
435	0.06216	570	0.01687	705	0.00609
440	0.05445	575	0.01568	710	0.00524
445	0.05070	580	0.01762	715	0.00415
450	0.04806	585	0.01643	720	0.00192
455	0.04743	590	0.01728	725	0.00450
460	0.04435	595	0.01650	730	0.00297
465	0.04163	600	0.01429	735	0.00128
470	0.04025	605	0.01436	740	0.00178
475	0.03852	610	0.01439	745	0.00149
480	0.03678	615	0.01333	750	0.0

KN 0618.08 SPECTRUM 1
TOTAL CHL = 0.062 $\mu\text{g/l}$, CORRECTED DEPTH = 2.9 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.05621	485	0.03430	620	0.01230
355	0.05298	490	0.03180	625	0.01172
360	0.05353	495	0.02997	630	0.00898
365	0.05526	500	0.02919	635	0.00880
370	0.05525	505	0.02705	640	0.00808
375	0.05375	510	0.02600	645	0.00919
380	0.05239	515	0.02265	650	0.01008
385	0.05200	520	0.02154	655	0.01046
390	0.05505	525	0.01946	660	0.01010
395	0.05328	530	0.01906	665	0.01182
400	0.05655	535	0.01822	670	0.01286
405	0.05545	540	0.01643	675	0.01286
410	0.05534	545	0.01602	680	0.01111
415	0.05679	550	0.01574	685	0.00876
420	0.05723	555	0.01538	690	0.00701
425	0.05728	560	0.01469	695	0.00592
430	0.05268	565	0.01334	700	0.00351
435	0.05089	570	0.01345	705	0.00427
440	0.04813	575	0.01332	710	0.00223
445	0.04604	580	0.01498	715	0.00226
450	0.04421	585	0.01470	720	0.00373
455	0.04400	590	0.01438	725	0.00102
460	0.04222	595	0.01416	730	0.00029
465	0.04099	600	0.01262	735	0.00183
470	0.03863	605	0.01195	740	0.00195
475	0.03604	610	0.01177	745	0.00148
480	0.03501	615	0.01129	750	0.0

KN 0618.08 SPECTRUM 2
TOTAL CHL = 0.656 $\mu\text{g/l}$, CORRECTED DEPTH = 67.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.08296	485	0.08936	620	0.02340
355	0.08170	490	0.08197	625	0.02391
360	0.08636	495	0.07561	630	0.02357
365	0.08525	500	0.06779	635	0.02225
370	0.08729	505	0.06068	640	0.02177
375	0.09232	510	0.05468	645	0.02406
380	0.09298	515	0.04857	650	0.02641
385	0.09300	520	0.04462	655	0.02892
390	0.09372	525	0.04003	660	0.03322
395	0.09543	530	0.03734	665	0.04083
400	0.09967	535	0.03446	670	0.04783
405	0.10467	540	0.03160	675	0.04707
410	0.10969	545	0.03054	680	0.04242
415	0.11339	550	0.02712	685	0.02975
420	0.11830	555	0.02512	690	0.01875
425	0.11943	560	0.02292	695	0.01154
430	0.12223	565	0.02281	700	0.00912
435	0.12073	570	0.02163	705	0.00694
440	0.12063	575	0.02215	710	0.00544
445	0.11914	580	0.02480	715	0.00437
450	0.11272	585	0.02543	720	0.00498
455	0.11130	590	0.02565	725	0.00294
460	0.10655	595	0.02538	730	0.00298
465	0.10441	600	0.02386	735	0.00098
470	0.10249	605	0.02346	740	0.00069
475	0.09728	610	0.02318	745	0.00003
480	0.09337	615	0.02231	750	0.0

KN 0618.08 SPECTRUM 3
TOTAL CHL = 0.445 $\mu\text{g/l}$, CORRECTED DEPTH = 84.7 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.07350	485	0.07173	620	0.01831
355	0.07403	490	0.06687	625	0.01926
360	0.07396	495	0.06055	630	0.01870
365	0.07753	500	0.05578	635	0.01768
370	0.07796	505	0.04805	640	0.01842
375	0.07680	510	0.04336	645	0.02225
380	0.07949	515	0.03749	650	0.02395
385	0.07767	520	0.03498	655	0.02539
390	0.07752	525	0.03221	660	0.02781
395	0.07813	530	0.02883	665	0.03528
400	0.08273	535	0.02650	670	0.03937
405	0.08556	540	0.02558	675	0.03910
410	0.08871	545	0.02448	680	0.03337
415	0.09104	550	0.02143	685	0.02320
420	0.09308	555	0.01951	690	0.01545
425	0.09420	560	0.01719	695	0.01024
430	0.09622	565	0.01698	700	0.00615
435	0.09322	570	0.01616	705	0.00470
440	0.09338	575	0.01701	710	0.00325
445	0.09122	580	0.01945	715	0.00262
450	0.08755	585	0.01963	720	0.00212
455	0.08483	590	0.01991	725	0.00239
460	0.08192	595	0.02031	730	0.00085
465	0.08142	600	0.01905	735	-0.00079
470	0.08052	605	0.01889	740	-0.00147
475	0.07861	610	0.01916	745	-0.00301
480	0.07637	615	0.01799	750	0.0

KN 0618.08 SPECTRUM 4
 TOTAL CHL = 0.164 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 120.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.03439	485	0.02944	620	0.00921
355	0.03569	490	0.02666	625	0.00983
360	0.03650	495	0.02360	630	0.00783
365	0.03804	500	0.02248	635	0.00748
370	0.03683	505	0.02071	640	0.00797
375	0.03962	510	0.02008	645	0.00969
380	0.04240	515	0.01869	650	0.00967
385	0.04050	520	0.01605	655	0.01072
390	0.04162	525	0.01484	660	0.01211
395	0.04286	530	0.01390	665	0.01343
400	0.04277	535	0.01344	670	0.01539
405	0.04478	540	0.01158	675	0.01444
410	0.04647	545	0.01023	680	0.01200
415	0.04588	550	0.00975	685	0.01013
420	0.04587	555	0.01028	690	0.00557
425	0.04473	560	0.00962	695	0.00438
430	0.04378	565	0.00910	700	0.00216
435	0.04052	570	0.00728	705	0.00261
440	0.03937	575	0.00795	710	0.00127
445	0.03837	580	0.01050	715	0.00163
450	0.03892	585	0.01156	720	0.00120
455	0.03561	590	0.01103	725	-0.00098
460	0.03519	595	0.01059	730	-0.00014
465	0.03369	600	0.00912	735	0.00005
470	0.03318	605	0.00952	740	0.00000
475	0.03246	610	0.00951	745	-0.00139
480	0.03088	615	0.00937	750	0.0

KN 0623.01 SPECTRUM 1
TOTAL CHL = 0.407 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 1.8 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.08936	485	0.06751	620	0.01647
355	0.08527	490	0.06338	625	0.01644
360	0.08418	495	0.05847	630	0.01407
365	0.08287	500	0.05267	635	0.01384
370	0.08402	505	0.04825	640	0.01542
375	0.08288	510	0.04349	645	0.01655
380	0.08079	515	0.04035	650	0.01752
385	0.08070	520	0.03608	655	0.01762
390	0.08057	525	0.03313	660	0.02042
395	0.08047	530	0.02987	665	0.02609
400	0.08254	535	0.02802	670	0.03175
405	0.08502	540	0.02566	675	0.03239
410	0.08719	545	0.02351	680	0.02762
415	0.08741	550	0.02090	685	0.01650
420	0.08732	555	0.01890	690	0.01051
425	0.08919	560	0.01840	695	0.00644
430	0.09013	565	0.01746	700	0.00362
435	0.09227	570	0.01746	705	0.00274
440	0.09109	575	0.01810	710	0.00281
445	0.08886	580	0.01998	715	0.00210
450	0.08688	585	0.01999	720	0.00096
455	0.08490	590	0.01941	725	0.00079
460	0.08281	595	0.01846	730	0.00027
465	0.08181	600	0.01704	735	-0.00133
470	0.07847	605	0.01731	740	-0.00164
475	0.07637	610	0.01723	745	-0.00156
480	0.07053	615	0.01704	750	0.0

KN 0623.01 SPECTRUM 2
TOTAL CHL = 1.041 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 36.4 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.10291	485	0.10383	620	0.02654
355	0.10333	490	0.09967	625	0.02622
360	0.10302	495	0.09537	630	0.02642
365	0.10518	500	0.08945	635	0.02730
370	0.11173	505	0.08235	640	0.02888
375	0.10923	510	0.07731	645	0.03097
380	0.11148	515	0.07006	650	0.03160
385	0.11569	520	0.06531	655	0.03230
390	0.11637	525	0.06212	660	0.03728
395	0.11625	530	0.05874	665	0.04623
400	0.11872	535	0.05710	670	0.05783
405	0.12379	540	0.05502	675	0.05892
410	0.12557	545	0.05204	680	0.05273
415	0.12693	550	0.04674	685	0.03752
420	0.12954	555	0.03991	690	0.02379
425	0.12976	560	0.03503	695	0.01467
430	0.12929	565	0.03014	700	0.01031
435	0.13139	570	0.02770	705	0.00621
440	0.13095	575	0.02752	710	0.00449
445	0.12579	580	0.02851	715	0.00375
450	0.12270	585	0.02854	720	0.00255
455	0.11919	590	0.02857	725	0.00056
460	0.11868	595	0.02727	730	0.00070
465	0.11825	600	0.02589	735	0.00091
470	0.11568	605	0.02448	740	0.00060
475	0.11193	610	0.02488	745	0.00074
480	0.10735	615	0.02588	750	0.0

KN 0623.01 SPECTRUM 3
TOTAL CHL = 0.085 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 83.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.05307	485	0.01931	620	0.00701
355	0.05662	490	0.01839	625	0.00704
360	0.05408	495	0.01866	630	0.00564
365	0.05438	500	0.01875	635	0.00512
370	0.05296	505	0.01718	640	0.00855
375	0.05106	510	0.01654	645	0.00898
380	0.04920	515	0.01506	650	0.00914
385	0.04900	520	0.01378	655	0.00903
390	0.04691	525	0.01302	660	0.00869
395	0.04611	530	0.01127	665	0.00834
400	0.04411	535	0.01070	670	0.00878
405	0.04564	540	0.01060	675	0.00760
410	0.04421	545	0.01059	680	0.00637
415	0.04121	550	0.00814	685	0.00536
420	0.04022	555	0.00745	690	0.00428
425	0.03536	560	0.00764	695	0.00423
430	0.03196	565	0.00675	700	0.00396
435	0.03236	570	0.00664	705	0.00334
440	0.03149	575	0.00645	710	0.00461
445	0.02995	580	0.00868	715	0.00310
450	0.02881	585	0.00851	720	0.00208
455	0.02764	590	0.00847	725	0.00158
460	0.02644	595	0.00748	730	0.00115
465	0.02469	600	0.00731	735	-0.00008
470	0.02331	605	0.00721	740	-0.00064
475	0.02202	610	0.00708	745	0.00052
480	0.02151	615	0.00678	750	0.0

KN 0624.01 SPECTRUM 1
TOTAL CHL = 0.293 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 3.1 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.05370	485	0.04210	620	0.00859
355	0.04698	490	0.04052	625	0.00839
360	0.04561	495	0.03957	630	0.00616
365	0.04533	500	0.03459	635	0.00731
370	0.04933	505	0.03160	640	0.00948
375	0.04278	510	0.02677	645	0.01015
380	0.04948	515	0.02143	650	0.01074
385	0.05022	520	0.02072	655	0.01116
390	0.04933	525	0.01972	660	0.01405
395	0.04674	530	0.01546	665	0.01870
400	0.05448	535	0.01435	670	0.02134
405	0.05811	540	0.01356	675	0.02170
410	0.05504	545	0.01228	680	0.01953
415	0.05992	550	0.00893	685	0.01275
420	0.05704	555	0.00903	690	0.01001
425	0.05714	560	0.00522	695	0.00387
430	0.06084	565	0.00625	700	0.00500
435	0.05955	570	0.00477	705	0.00258
440	0.06306	575	0.00647	710	0.00027
445	0.05837	580	0.00758	715	0.00370
450	0.05958	585	0.00632	720	0.00310
455	0.05579	590	0.00661	725	0.00307
460	0.05655	595	0.00700	730	0.00132
465	0.04932	600	0.00707	735	0.00154
470	0.04840	605	0.00704	740	0.00233
475	0.04509	610	0.00530	745	0.00074
480	0.04210	615	0.00829	750	0.0

KN 0624.01 SPECTRUM 2
TOTAL CHL = 1.221 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 32.9 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.09852	485	0.11801	620	0.02568
355	0.10037	490	0.11208	625	0.02753
360	0.10447	495	0.10318	630	0.02513
365	0.10473	500	0.09589	635	0.02559
370	0.10595	505	0.08832	640	0.03158
375	0.11137	510	0.08064	645	0.03173
380	0.11664	515	0.07460	650	0.02953
385	0.11637	520	0.07174	655	0.03616
390	0.11628	525	0.06621	660	0.04475
395	0.12295	530	0.06311	665	0.05519
400	0.12512	535	0.05913	670	0.06839
405	0.13153	540	0.05751	675	0.07013
410	0.13663	545	0.05375	680	0.05608
415	0.14123	550	0.04985	685	0.03977
420	0.14819	555	0.03991	690	0.02029
425	0.15055	560	0.03417	695	0.01277
430	0.14648	565	0.02989	700	0.00809
435	0.15498	570	0.02686	705	0.00575
440	0.15421	575	0.02559	710	0.00461
445	0.14610	580	0.02827	715	0.00456
450	0.14004	585	0.02701	720	0.00367
455	0.14091	590	0.02627	725	0.00347
460	0.14004	595	0.02736	730	0.00243
465	0.13719	600	0.02540	735	0.00077
470	0.13693	605	0.02499	740	0.00166
475	0.12985	610	0.02344	745	0.00030
480	0.12694	615	0.02539	750	0.0

KN 0624.01 SPECTRUM 3
TOTAL CHL = 0.835 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 47.4 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.05888	485	0.06532	620	0.01607
355	0.05646	490	0.06561	625	0.01822
360	0.05864	495	0.06268	630	0.01653
365	0.05863	500	0.05353	635	0.01683
370	0.06549	505	0.05142	640	0.01929
375	0.06757	510	0.04482	645	0.02310
380	0.06577	515	0.04048	650	0.02275
385	0.06793	520	0.03885	655	0.02426
390	0.06738	525	0.03938	660	0.02521
395	0.06826	530	0.03698	665	0.03314
400	0.06657	535	0.03676	670	0.04066
405	0.07412	540	0.03626	675	0.04284
410	0.07719	545	0.03447	680	0.03557
415	0.08203	550	0.02941	685	0.02525
420	0.07806	555	0.02297	690	0.01535
425	0.08336	560	0.02070	695	0.01002
430	0.08223	565	0.01540	700	0.00578
435	0.08437	570	0.01506	705	0.00606
440	0.08309	575	0.01376	710	0.00302
445	0.07909	580	0.01473	715	0.00535
450	0.07638	585	0.01722	720	0.00527
455	0.07615	590	0.01605	725	0.00364
460	0.07556	595	0.01411	730	0.00089
465	0.07076	600	0.01554	735	0.00232
470	0.07412	605	0.01421	740	0.00425
475	0.07150	610	0.01434	745	0.00103
480	0.07022	615	0.01706	750	0.0

KN 0624.01 SPECTRUM 4
TOTAL CHL = 0.055 $\mu\text{g/l}$, CORRECTED DEPTH = 86.6 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.01475	485	0.00521	620	0.00003
355	0.01579	490	0.00396	625	0.00182
360	0.01586	495	0.00459	630	-0.00121
365	0.01658	500	0.00205	635	-0.00012
370	0.01813	505	0.00387	640	0.00224
375	0.01577	510	0.00333	645	0.00411
380	0.01849	515	0.00171	650	0.00455
385	0.01842	520	0.00209	655	0.00430
390	0.01643	525	-0.00010	660	0.00315
395	0.01582	530	0.00106	665	0.00166
400	0.01511	535	-0.00155	670	0.00420
405	0.01799	540	-0.00021	675	0.00252
410	0.01652	545	-0.00105	680	0.00386
415	0.01628	550	-0.00186	685	0.00208
420	0.01436	555	-0.00106	690	0.00148
425	0.01092	560	-0.00094	695	0.00151
430	0.01003	565	-0.00257	700	0.00309
435	0.01071	570	-0.00123	705	-0.00077
440	0.01086	575	-0.00049	710	-0.00014
445	0.00852	580	0.00067	715	0.00232
450	0.00787	585	0.00155	720	-0.00165
455	0.00731	590	0.00120	725	-0.00199
460	0.00823	595	0.00362	730	-0.00050
465	0.00651	600	0.00231	735	-0.00018
470	0.00600	605	0.00258	740	-0.00074
475	0.00419	610	0.00105	745	-0.00030
480	0.00395	615	0.00118	750	0.0

KN 0624.03 SPECTRUM 1
TOTAL CHL = 0.258 $\mu\text{g/l}$, CORRECTED DEPTH = 3.3 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.10107	485	0.04984	620	0.01068
355	0.08507	490	0.04399	625	0.01028
360	0.07842	495	0.04214	630	0.00824
365	0.07460	500	0.03704	635	0.00734
370	0.07327	505	0.03251	640	0.00793
375	0.07025	510	0.02909	645	0.00994
380	0.06949	515	0.02761	650	0.01123
385	0.06603	520	0.02297	655	0.01082
390	0.06489	525	0.02206	660	0.01337
395	0.06452	530	0.01908	665	0.01585
400	0.06835	535	0.01683	670	0.02194
405	0.06973	540	0.01455	675	0.02157
410	0.06933	545	0.01474	680	0.01842
415	0.07017	550	0.01456	685	0.01254
420	0.07097	555	0.01073	690	0.00691
425	0.06914	560	0.01045	695	0.00396
430	0.07251	565	0.00929	700	0.00301
435	0.07539	570	0.00813	705	0.00330
440	0.07346	575	0.00979	710	0.00193
445	0.06993	580	0.01172	715	0.00169
450	0.06531	585	0.01250	720	0.00249
455	0.06621	590	0.01137	725	0.00073
460	0.06506	595	0.01098	730	0.00119
465	0.06018	600	0.01138	735	0.00041
470	0.05905	605	0.01039	740	0.00135
475	0.05347	610	0.01071	745	0.00121
480	0.05165	615	0.00942	750	0.0

KN 0624.03 SPECTRUM 2
TOTAL CHL = 1.400 $\mu\text{g/l}$, CORRECTED DEPTH = 34.2 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.16757	485	0.14009	620	0.03211
355	0.16662	490	0.12736	625	0.03323
360	0.16685	495	0.12071	630	0.03274
365	0.15982	500	0.10817	635	0.03219
370	0.16109	505	0.10010	640	0.03441
375	0.16394	510	0.08957	645	0.03530
380	0.16495	515	0.08465	650	0.03660
385	0.16560	520	0.08289	655	0.04025
390	0.16163	525	0.07515	660	0.05160
395	0.16407	530	0.07232	665	0.06776
400	0.16850	535	0.06631	670	0.07861
405	0.17020	540	0.06472	675	0.07424
410	0.17940	545	0.05939	680	0.06076
415	0.17929	550	0.05312	685	0.03745
420	0.18136	555	0.04828	690	0.02453
425	0.18175	560	0.04043	695	0.01458
430	0.18105	565	0.03164	700	0.01053
435	0.18352	570	0.03394	705	0.00552
440	0.17888	575	0.03487	710	0.00278
445	0.16706	580	0.03515	715	0.00225
450	0.16887	585	0.03331	720	0.00276
455	0.16915	590	0.03392	725	0.00060
460	0.16622	595	0.03514	730	0.00012
465	0.15983	600	0.03280	735	0.00038
470	0.15870	605	0.03111	740	0.00040
475	0.15007	610	0.02908	745	0.00048
480	0.14654	615	0.03097	750	0.0

KN 0624.03 SPECTRUM 3
TOTAL CHL = 0.309 $\mu\text{g/l}$, CORRECTED DEPTH = 49.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.03301	485	0.02801	620	0.00656
355	0.03234	490	0.02653	625	0.00762
360	0.03503	495	0.02467	630	0.00722
365	0.03429	500	0.02238	635	0.00281
370	0.03292	505	0.02085	640	0.00791
375	0.03386	510	0.01725	645	0.00989
380	0.03689	515	0.01774	650	0.00959
385	0.03841	520	0.01483	655	0.00775
390	0.03616	525	0.01426	660	0.01257
395	0.03748	530	0.01324	665	0.01563
400	0.03746	535	0.01374	670	0.01872
405	0.03648	540	0.00906	675	0.01914
410	0.04237	545	0.00924	680	0.01593
415	0.04155	550	0.00797	685	0.01047
420	0.03913	555	0.00615	690	0.00634
425	0.03738	560	0.00551	695	0.00333
430	0.03972	565	0.00466	700	0.00295
435	0.04041	570	0.00591	705	0.00173
440	0.03603	575	0.00252	710	0.00115
445	0.03712	580	0.00664	715	0.00300
450	0.03552	585	0.00818	720	0.00184
455	0.03507	590	0.00656	725	0.00173
460	0.03624	595	0.00814	730	-0.00064
465	0.03631	600	0.00799	735	0.00144
470	0.03581	605	0.00572	740	-0.00079
475	0.03159	610	0.00477	745	-0.00274
480	0.03206	615	0.00789	750	0.0

KN 0624.03 SPECTRUM 4
TOTAL CHL = 0.060 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 83.5 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.03403	485	0.01253	620	0.00434
355	0.03032	490	0.01051	625	0.00499
360	0.03048	495	0.01090	630	0.00358
365	0.03181	500	0.01282	635	0.00227
370	0.03180	505	0.00845	640	0.00327
375	0.03084	510	0.01122	645	0.00428
380	0.02981	515	0.00837	650	0.00285
385	0.02552	520	0.00681	655	0.00443
390	0.02971	525	0.00876	660	0.00606
395	0.03115	530	0.00856	665	0.00571
400	0.02975	535	0.00766	670	0.00643
405	0.02793	540	0.00603	675	0.00406
410	0.03065	545	0.00658	680	0.00422
415	0.03058	550	0.00592	685	0.00276
420	0.02611	555	0.00462	690	0.00345
425	0.02522	560	0.00492	695	0.00187
430	0.02717	565	0.00351	700	0.00267
435	0.02098	570	0.00087	705	-0.00050
440	0.01987	575	0.00031	710	0.00117
445	0.02083	580	0.00498	715	0.00098
450	0.01627	585	0.00589	720	0.00102
455	0.01701	590	0.00649	725	0.00040
460	0.01622	595	0.00562	730	-0.00004
465	0.01436	600	0.00640	735	0.00009
470	0.01425	605	0.00594	740	0.00099
475	0.01408	610	0.00303	745	0.00039
480	0.01293	615	0.00530	750	0.0

KN 0625.01 SPECTRUM 1
TOTAL CHL = 0.358 $\mu\text{g/l}$, CORRECTED DEPTH = 4.4 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.13046	485	0.05544	620	0.01805
355	0.11849	490	0.04957	625	0.01713
360	0.10424	495	0.04736	630	0.01509
365	0.10058	500	0.04540	635	0.01555
370	0.10035	505	0.04133	640	0.01638
375	0.09526	510	0.03943	645	0.01968
380	0.08942	515	0.03523	650	0.01926
385	0.08866	520	0.03278	655	0.01999
390	0.08255	525	0.03011	660	0.02299
395	0.08155	530	0.02813	665	0.02651
400	0.08216	535	0.02620	670	0.02909
405	0.08532	540	0.02363	675	0.02766
410	0.08320	545	0.02221	680	0.02426
415	0.08339	550	0.01999	685	0.01658
420	0.07756	555	0.01899	690	0.01266
425	0.08155	560	0.01769	695	0.00861
430	0.07986	565	0.01794	700	0.00761
435	0.07930	570	0.01684	705	0.00578
440	0.07868	575	0.01778	710	0.00492
445	0.07557	580	0.01955	715	0.00489
450	0.07455	585	0.01895	720	0.00403
455	0.07121	590	0.02037	725	0.00231
460	0.07203	595	0.01789	730	0.00230
465	0.06734	600	0.01819	735	0.00251
470	0.06535	605	0.01734	740	0.00288
475	0.06175	610	0.01816	745	-0.00063
480	0.05703	615	0.01726	750	0.0

KN 0625.01 SPECTRUM 2
TOTAL CHL = 1.465 $\mu\text{g/l}$, CORRECTED DEPTH = 25.2 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.14158	485	0.10658	620	0.02534
355	0.13807	490	0.09906	625	0.02654
360	0.13421	495	0.09133	630	0.02564
365	0.13364	500	0.08372	635	0.02555
370	0.13271	505	0.07689	640	0.02736
375	0.13120	510	0.07101	645	0.02858
380	0.13135	515	0.06652	650	0.02976
385	0.13029	520	0.06154	655	0.03279
390	0.12805	525	0.05651	660	0.03879
395	0.12928	530	0.05343	665	0.04924
400	0.13191	535	0.05096	670	0.05693
405	0.13545	540	0.04779	675	0.05620
410	0.13856	545	0.04469	680	0.04690
415	0.13972	550	0.04078	685	0.03045
420	0.13964	555	0.03526	690	0.01643
425	0.14188	560	0.03089	695	0.00976
430	0.14237	565	0.02677	700	0.00749
435	0.14302	570	0.02576	705	0.00494
440	0.14101	575	0.02609	710	0.00372
445	0.13398	580	0.02812	715	0.00164
450	0.12986	585	0.02820	720	0.00104
455	0.13067	590	0.02809	725	0.00002
460	0.12822	595	0.02741	730	0.00047
465	0.12599	600	0.02452	735	-0.00149
470	0.12070	605	0.02496	740	0.00009
475	0.11716	610	0.02467	745	-0.00162
480	0.11137	615	0.02545	750	0.0

KN 0625.01 SPECTRUM 3
TOTAL CHL = 0.690 $\mu\text{g/l}$, CORRECTED DEPTH = 47.1 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.08774	485	0.07498	620	0.01932
355	0.08784	490	0.07135	625	0.02008
360	0.08623	495	0.06759	630	0.01859
365	0.09067	500	0.06257	635	0.01871
370	0.09553	505	0.05744	640	0.02030
375	0.09478	510	0.05292	645	0.02201
380	0.09877	515	0.04803	650	0.02262
385	0.10020	520	0.04657	655	0.02288
390	0.09992	525	0.04324	660	0.02938
395	0.10369	530	0.04243	665	0.03474
400	0.10814	535	0.04197	670	0.03962
405	0.10917	540	0.04170	675	0.04006
410	0.11171	545	0.03878	680	0.03307
415	0.11965	550	0.03558	685	0.02190
420	0.12006	555	0.03047	690	0.01361
425	0.11987	560	0.02511	695	0.00775
430	0.11761	565	0.02191	700	0.00708
435	0.11322	570	0.02007	705	0.00484
440	0.10528	575	0.02057	710	0.00420
445	0.09541	580	0.02051	715	0.00255
450	0.08907	585	0.02227	720	0.00328
455	0.08485	590	0.02103	725	0.00066
460	0.08661	595	0.02106	730	-0.00043
465	0.08353	600	0.02053	735	0.00016
470	0.08358	605	0.01921	740	0.00104
475	0.07813	610	0.01834	745	0.00064
480	0.07714	615	0.01972	750	0.0

KN 0625.01 SPECTRUM 4
TOTAL CHL = 0.083 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 83.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.03463	485	0.01467	620	0.00624
355	0.03673	490	0.01421	625	0.00626
360	0.03824	495	0.01447	630	0.00390
365	0.03796	500	0.01321	635	0.00399
370	0.03683	505	0.01348	640	0.00526
375	0.03871	510	0.01142	645	0.00831
380	0.04079	515	0.01108	650	0.00824
385	0.04062	520	0.01114	655	0.00830
390	0.04143	525	0.00999	660	0.00811
395	0.04159	530	0.01015	665	0.00830
400	0.04231	535	0.00798	670	0.00873
405	0.04249	540	0.00822	675	0.00762
410	0.04141	545	0.00578	680	0.00710
415	0.04297	550	0.00620	685	0.00521
420	0.04104	555	0.00566	690	0.00395
425	0.04266	560	0.00607	695	0.00367
430	0.03553	565	0.00427	700	0.00317
435	0.03369	570	0.00457	705	0.00311
440	0.02839	575	0.00504	710	0.00261
445	0.02530	580	0.00874	715	0.00244
450	0.02412	585	0.00752	720	0.00127
455	0.02191	590	0.00805	725	0.00051
460	0.02204	595	0.00694	730	0.00172
465	0.02011	600	0.00662	735	0.00214
470	0.01739	605	0.00773	740	-0.00143
475	0.01731	610	0.00738	745	0.00007
480	0.01725	615	0.00653	750	0.0

KN 0626.07 SPECTRUM 1
TOTAL CHL = 0.835 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 3.8 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.15163	485	0.09714	620	0.02395
355	0.14382	490	0.09108	625	0.02360
360	0.14097	495	0.08564	630	0.02166
365	0.13420	500	0.07568	635	0.02263
370	0.13391	505	0.07072	640	0.02474
375	0.13503	510	0.06398	645	0.02483
380	0.13302	515	0.06052	650	0.02523
385	0.13120	520	0.05437	655	0.02780
390	0.13362	525	0.04929	660	0.03238
395	0.13559	530	0.04366	665	0.04238
400	0.13579	535	0.04237	670	0.04910
405	0.14015	540	0.03807	675	0.05225
410	0.14495	545	0.03294	680	0.04440
415	0.14790	550	0.03046	685	0.03145
420	0.14651	555	0.02813	690	0.01860
425	0.14440	560	0.02759	695	0.01102
430	0.14484	565	0.03042	700	0.00687
435	0.14607	570	0.03380	705	0.00467
440	0.13632	575	0.03496	710	0.00315
445	0.13603	580	0.02595	715	0.00208
450	0.12759	585	0.02574	720	0.00329
455	0.12085	590	0.02628	725	0.00202
460	0.12423	595	0.02473	730	0.00152
465	0.11999	600	0.02487	735	0.00203
470	0.11669	605	0.02487	740	0.00292
475	0.11121	610	0.02433	745	0.00103
480	0.10275	615	0.02430	750	0.0

KN 0626.07 SPECTRUM 2
TOTAL CHL = 2.278 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 13.3 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.21025	485	0.19075	620	0.04806
355	0.21152	490	0.17576	625	0.04792
360	0.20785	495	0.16111	630	0.05023
365	0.21224	500	0.15103	635	0.05274
370	0.21215	505	0.14136	640	0.05427
375	0.21668	510	0.12974	645	0.05435
380	0.21787	515	0.11854	650	0.05317
385	0.22289	520	0.11398	655	0.06004
390	0.22235	525	0.10311	660	0.07673
395	0.22825	530	0.09491	665	0.09804
400	0.23878	535	0.08561	670	0.11938
405	0.24296	540	0.07695	675	0.11574
410	0.25172	545	0.07057	680	0.09551
415	0.25079	550	0.06345	685	0.06400
420	0.25144	555	0.05596	690	0.03539
425	0.25144	560	0.05533	695	0.02046
430	0.25972	565	0.05494	700	0.01754
435	0.25842	570	0.05549	705	0.01205
440	0.25030	575	0.05693	710	0.00993
445	0.24298	580	0.04600	715	0.00718
450	0.23474	585	0.04936	720	0.00553
455	0.23031	590	0.04889	725	0.00518
460	0.22887	595	0.04560	730	0.00260
465	0.22583	600	0.04451	735	0.00353
470	0.21205	605	0.04442	740	-0.00127
475	0.20726	610	0.04625	745	-0.00030
480	0.19709	615	0.04459	750	0.0

KN 0626.07 SPECTRUM 3
TOTAL CHL = 1.291 $\mu\text{g}/\text{l}$, CORRECTED DEPTH = 26.8 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.11035	485	0.10956	620	0.03304
355	0.11492	490	0.10282	625	0.03113
360	0.11633	495	0.09438	630	0.03189
365	0.11684	500	0.09044	635	0.03442
370	0.12334	505	0.08327	640	0.03588
375	0.12699	510	0.07613	645	0.03574
380	0.12751	515	0.07258	650	0.03577
385	0.13034	520	0.06905	655	0.03978
390	0.13179	525	0.06698	660	0.04805
395	0.13084	530	0.06245	665	0.05808
400	0.13827	535	0.06019	670	0.06806
405	0.14303	540	0.05640	675	0.06764
410	0.14838	545	0.05164	680	0.05718
415	0.14755	550	0.04903	685	0.04229
420	0.14250	555	0.04356	690	0.02541
425	0.14539	560	0.04288	695	0.01626
430	0.14697	565	0.04169	700	0.01290
435	0.14572	570	0.04427	705	0.00941
440	0.14431	575	0.04233	710	0.00801
445	0.13801	580	0.03458	715	0.00690
450	0.12983	585	0.03534	720	0.00683
455	0.12827	590	0.03490	725	0.00401
460	0.12731	595	0.03401	730	0.00409
465	0.12400	600	0.03409	735	0.00223
470	0.12142	605	0.03074	740	0.00344
475	0.11510	610	0.03298	745	0.00105
480	0.11286	615	0.03177	750	0.0

KN 0626.07 SPECTRUM 4
TOTAL CHL = 0.059 $\mu\text{g/l}$, CORRECTED DEPTH = 84.0 m

WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE	WAVELENGTH	ABSORBANCE
350	0.02755	485	0.01932	620	0.00821
355	0.03160	490	0.01841	625	0.00612
360	0.03249	495	0.01772	630	0.00653
365	0.03080	500	0.01761	635	0.00802
370	0.03812	505	0.01647	640	0.01021
375	0.03603	510	0.01523	645	0.01055
380	0.03576	515	0.01459	650	0.00979
385	0.03573	520	0.01303	655	0.00928
390	0.03761	525	0.01239	660	0.00910
395	0.03734	530	0.01252	665	0.00831
400	0.03938	535	0.01191	670	0.00848
405	0.03939	540	0.01190	675	0.00775
410	0.03783	545	0.00981	680	0.00781
415	0.03747	550	0.01033	685	0.00688
420	0.03583	555	0.01089	690	0.00457
425	0.03187	560	0.01496	695	0.00386
430	0.03247	565	0.01584	700	0.00366
435	0.03178	570	0.01888	705	0.00274
440	0.02979	575	0.02059	710	0.00289
445	0.02705	580	0.01082	715	0.00283
450	0.02483	585	0.01015	720	0.00213
455	0.02486	590	0.00941	725	0.00362
460	0.02166	595	0.00955	730	0.00018
465	0.02011	600	0.00929	735	0.00259
470	0.01949	605	0.00958	740	0.00063
475	0.01697	610	0.00939	745	0.00089
480	0.01811	615	0.00828	750	0.0