

PLANKTON STUDIES IN SAN FRANCISCO BAY, CALIFORNIA. XI.  
CHLOROPHYLL DISTRIBUTIONS AND HYDROGRAPHIC PROPERTIES  
OF SAN FRANCISCO BAY, 1988-89

By Sally M. Wienke, Brian E. Cole, and James E. Cloern.

---

U.S. GEOLOGICAL SURVEY

Open-File Report 90-562

Prepared as part of a continuing study of the  
San Francisco Bay estuary

Menlo Park, California  
December 1990

UNITED STATES DEPARTMENT OF THE INTERIOR

MANUEL LUJAN, JR., Secretary

U.S. GEOLOGICAL SURVEY

Dallas L. Peck, Director

---

OPEN-FILE REPORT

For additional information write to:

Regional Hydrologist  
Water Resources Division  
U.S. Geological Survey  
345 Middlefield Road, Ms-66  
Menlo Park, California 94025

Copies of this report can  
be purchased from:

U.S. Geological Survey  
Books and Open-File Reports  
Federal Center, Bldg. 810  
Box 25425  
Denver, Colorado 80225

## CONTENTS

	Page
Conversion Factors.....	5
Abstract.....	6
Introduction.....	7
Methods.....	8
References.....	11

## TABLES

Table 1	San Francisco Bay Stations and Locations.....	12
Table 2	Table of Units.....	14

## FIGURES

Figure 1	Map of San Francisco Bay estuary showing locations of water sampling stations.....	15
----------	---	----

## APPENDIX

Appendix A: Data Summaries

## CONVERSION FACTORS

<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
foot (ft)	0.3048	meter (m)
pound (lb)	454.55	gram (g)
pound (lb)	0.4545	kilogram (kg)
pound (lb)	$454.55 \times 10^3$	microgram (mg)
quart (qt)	0.9464	liter (L)
degree Fahrenheit (°F)	$^{\circ}\text{C} = 5/9 \times (^{\circ}\text{F} - 32)$	degree Celsius (°C)

PLANKTON STUDIES IN SAN FRANCISCO BAY. XI.  
CHLOROPHYLL DISTRIBUTIONS AND HYDROGRAPHIC PROPERTIES  
OF SAN FRANCISCO BAY, 1988-89

---

By Sally M. Wienke, Brian E. Cole, and James E. Cloern

ABSTRACT

Water samples were collected in the San Francisco Bay estuary during 42 cruises from February, 1988, through December, 1989. Conductivity, temperature, light attenuation (turbidity), and in-vivo fluorescence were measured longitudinally and vertically in the main channel of the estuary from near the Dumbarton Bridge in the extreme southern part to Rio Vista on the Sacramento River. Discrete water samples were analyzed for chlorophyll a. Water density was calculated from values for salinity, temperature, and pressure (depth), and is included in the data summaries.

## INTRODUCTION

Data are presented to summarize the results of surveys of water properties in North and South San Francisco Bay (SFB) during 1988-89. Samples were collected monthly in North San Francisco Bay and bimonthly in South Bay. Sampling sites are shown in Figure 1 and their locations identified in Table 1. A Seabird Electronics<sup>1</sup> conductivity-temperature-depth (CTD) system and in-situ fluorometer were used to measure conductivity (salinity), temperature, chlorophyll fluorescence, and ambient light levels over the entire water depth at each station. Discrete chlorophyll a samples were collected at selected sites to calibrate the fluorometer on each sampling date.

---

<sup>1</sup>The use of brand names in this report is for identification purposes only and does not constitute endorsement by the U.S. Geological Survey.

## METHODS

### Sampling System

Samples were collected from the R/V Polaris using a high speed underwater data acquisition system. At each station a Seabird Electronics (SBE) underwater unit (SBE-9) was lowered through the water column. Attached to the data acquisition unit was an SBE-4 conductivity meter, an SBE-3 temperature probe, a Paroscientific digiquartz pressure transducer, a Sea Tech in-vivo fluorometer, and a LiCor underwater light sensor (model LI-192). With this instrument package, semi-continuous measurements of conductivity, temperature, depth (pressure), chlorophyll fluorescence, and visible light were measured throughout the water column.

The data from the conductivity, temperature, pressure, fluorescence, and light sensors are digitized in the underwater unit (SBE-9) at 28 scans per second. The data are transmitted to a deck unit through a single-conductor armored cable. The instrument package is lowered through the water at about 0.5 meters per second, resulting in a vertical sampling interval of about 2 cm. The data are displayed and stored on a shipboard microcomputer. To conserve space, the data presented in this summary are averages of all data collected over 1 meter intervals; about 50 data points per meter.

The conductivity meter is a 2-terminal, 3-electrode (platinum), flow-through sensor. This sensor is accurate within 0.003 Siemens per meter and has a resolution of at  $5 \times 10^{-5}$  Siemens per meter. Temperature (TEMP) was measured with a Wien Bridge type resistance thermistor. This sensor is accurate to  $\pm 0.006$  °C per year and has a resolution of better than 0.0005 °C. The conductivity and temperature probes are recalibrated annually at the National Oceanic and Atmospheric Administration's Northwest Testing Facility. Values for salinity (SALIN) were calculated from conductivity and

temperature using the algorithm supplied with the SeaBird Electronics software. This algorithm is based on the equations of Millero et al. (1981) and Millero and Poisson (1981). A measure of water density, sigma-t (SIGMT), derived from values for salinity, temperature, and pressure was also provided by the SeaBird software package. Calculations of sigma-t are based on the algorithms for computing seawater density as defined by Fofonoff and Millard (1983). Sampling depth (DEPTH), as derived from changes in pressure measured by a Paroscientific digiquartz transducer, are accurate within 0.01 meter. Chlorophyll fluorescence was measured with a Sea Tech submersible pulsed-light fluorometer which has a flash rate of 5 times per second. Since the sampling rate of the fluorometer was about 1/6 that of the SeaBird underwater unit (5 times per second versus 28 times per second), the fluorescence data we report are 3-m running averages of the measured values in order to correct for differences in the sampling frequencies. Hence the vertical resolution of chlorophyll fluorescence reported here is  $\geq 3$  m. Ambient light was measured with a LiCor 192S quantum sensor sensitive to photosynthetically active radiation (400-700 nm). The extinction coefficient (EXCOF) is the measure of the exponential rate of decrease of light between the water surface and the depth where ambient light is 1 percent of the surface value (that is, over the euphotic depth).

### Discrete Analyses

At selected stations discrete water samples for chlorophyll a and phaeopigments were collected coincident with the lowering of the submersible instrument package. Water samples were collected from 1 meter above the bottom with a Niskin water sampling bottle and from 2 meters below the surface using a pump located at the bow of the ship. Each discrete sample



for chlorophyll a (DISCR CHL a) and phaeopigments (PHA) was filtered at less than 12 cm Hg onto a Gelman A/E glass fiber filter and immediately frozen. The filter was ground in 90 percent acetone within 1 week of collection. After extraction for 12-24 hours at -10°C, samples were centrifuged and absorbances of the extracts read on a Varian 635-D spectrophotometer. The acetone extracts were acidified (Riemann, 1978) to measure phaeopigments. Chlorophyll a and phaeopigment values were calculated using Lorenzen's (1967) equations.

Estimates of chlorophyll a (CALC CHL a) were derived from linear regressions of measured chlorophyll a (DISCR CHL a) against fluorescence (FLUOR). The slope (b) and intercept (a) from the regressions were used to calculate chlorophyll a concentrations (CALC CHL a) from fluorescence values ( $\text{CALC CHL } \underline{a} = a + b \times \text{FLUOR}$ ). Regression coefficients are presented at the end of each daily data summary. The coefficient of determination ( $r^2$ ) indicates how well the discrete chlorophyll a and fluorescence data were linearly related. Caution should be exercised in using calculated chlorophyll a values when this coefficient is less than 0.70. Also note that some of the regressions resulted in negative intercepts, which indicate that there is fluorescence in the water not associated with particulate chlorophyll a. Calculated chlorophyll a concentration divided by chlorophyll a plus phaeopigment concentrations ( $\text{CHL}\underline{a}/\underline{a} + \text{PHA}$ ) is an estimate of the proportion of active chlorophyll a to total concentration of pigments including chlorophyll degradation products.

## REFERENCES

- Fofonoff, N. P., and Millard, R. C., Jr., eds., 1983, Algorithms for computation of fundamental properties of seawater: UNESCO Technical Papers in Marine Science, Number 44, UNESCO, Paris.
- Lorenzen, C. J., 1967, Determination of chlorophyll and phaeopigments. Spectrophotometric equations: Limnology and Oceanography, v. 12, p. 343-346.
- Millero, F. J., et al. 1981, Summary of data treatment for the international high pressure equation of state for seawater: UNESCO Technical Papers in Marine Science, Number 38, UNESCO, Paris.
- Millero, F. J., and Poisson, A., 1981, Summary of data treatment for the international one atmosphere equation of state for seawater: UNESCO Technical Papers in Marine Science, Number 38, UNESCO, Paris.
- Riemann, B., 1978, Carotenoid interference in spectrophotometric determination of chlorophyll degradation products from natural populations of phytoplankton: Limnology and Oceanography, v. 23(5), p. 1059-1066.

TABLE 1. SAN FRANCISCO BAY STATIONS

<u>Station Number</u>	<u>Name</u>	<u>N. Latitude</u>	<u>W. Longitude</u>
657	Rio Vista	38° 8.9'	121° 41.3'
655		7.3'	42.1'
653		6.3'	43.2'
649		3.7'	48.0'
2	Chain Island	3.8'	51.3'
3	Pittsburg	3.0'	52.7'
4	Simmons Point	2.9'	56.1'
5	Middle Ground	3.6'	58.8'
6	Roe Island	3.9'	122° 2.1'
7	Avon Pier	2.9'	5.8'
8	Martinez	1.8'	9.1'
9	Benicia	3.0'	10.4'
10	Crockett	3.6'	12.5'
11	Mare Island	3.7'	15.8'
13	N. of Pinole Point	1.9'	21.9'
15	Pint San Pablo	37° 58.2'	26.2'
21	Bay Bridge	37° 48.0'	122° 22.2'
22	Potrero Point	45.7'	21.5'
23	Hunters Point	43.6'	20.2
24	Candlestick Point	42.0'	20.3
25	Oyster Point	40.3'	19.5'
26	San Bruno Shoal	38.2'	19.0'

27	San Francisco Airport	37.1'	17.5'
28	N. San Mateo Bridge	36.0'	16.2'
29	S. San Mateo Bridge	34.9'	14.8'
30	Redwood Creek	33.3'	11.5'
31	Coyote Hills	31.8'	9.4'
32	Ravenswood Point	31.1'	8.1'

TABLE 2. TABLE OF UNITS

<u>Variable (abbreviation)</u>	<u>Units</u>
station (STN)	
Time at which sample was taken (TIME)	local time
depth at which sample was taken (DEPTH)	meters
measured chlorophyll <u>a</u> (DISCR CHL a)	$\mu\text{g/L}$
fluorescence (FLUOR)	
calculated chlorophyll <u>a</u> (CALC CHL a)	$\mu\text{g/L}$
extinction coefficient (EXCOF)	per meter
salinity (SALIN)	parts per thousand
temperature (TEMP)	degrees Celsius
sigma-theta (SIGMT)	kg per cubic meter

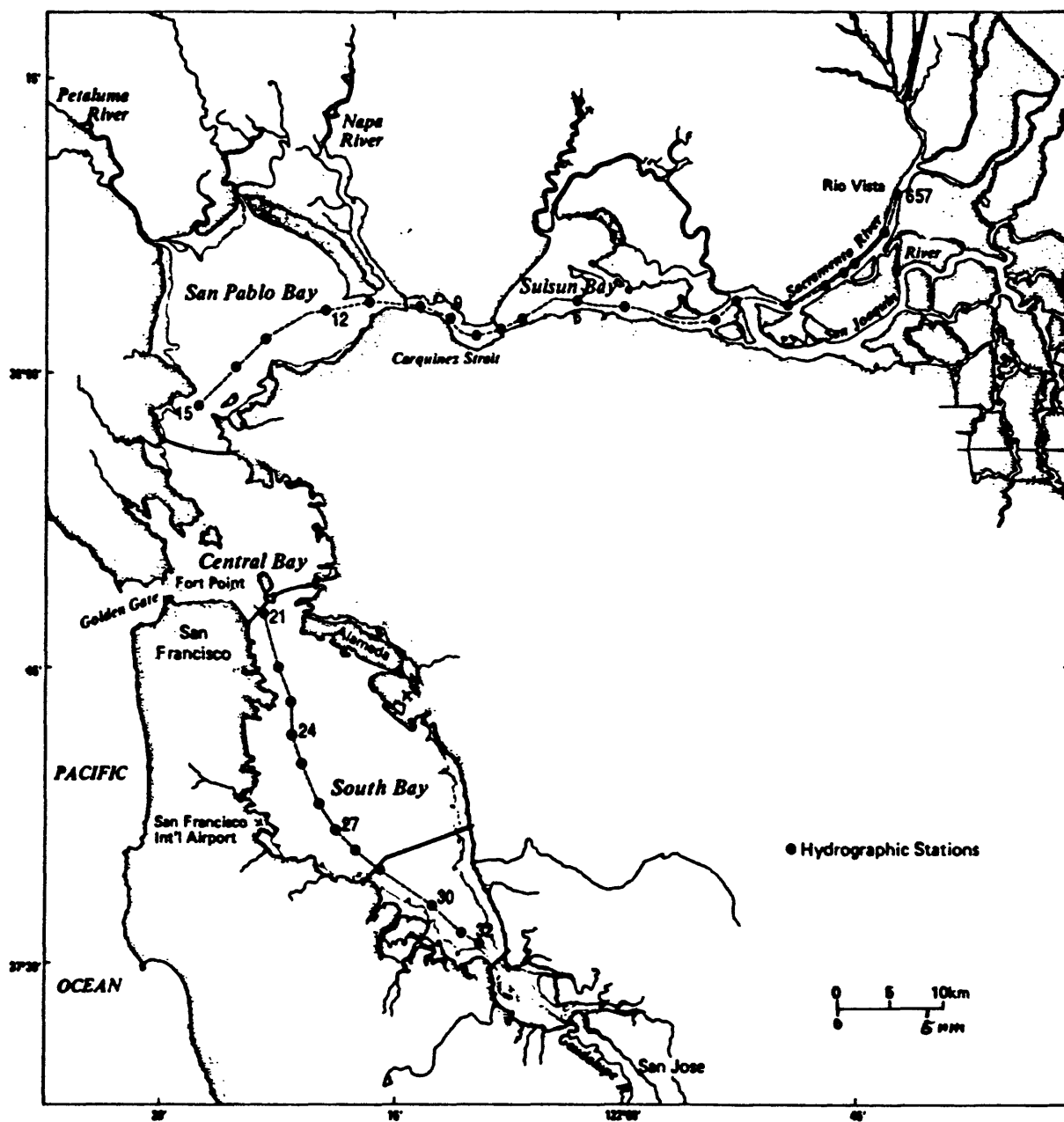


Figure 1. Map of San Francisco Bay estuary showing locations of water sampling stations.

LOCATION: South San Francisco Bay  
DATE: February 25, 1988  
JULIAN DAY: 88056

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32	808	1.0	23.2	0.88	2.82	21.1	1.7	26.6	12.7	19.9
32	808	2.0			2.82	21.1		26.6	12.7	19.9
32	808	3.0			2.74	20.5		26.6	12.7	19.9
32	808	4.0			2.70	20.2		26.6	12.7	19.9
32	808	5.0			2.73	20.4		26.6	12.7	20.0
32	808	6.0			2.68	20.0		26.6	12.7	20.0
32	808	7.0			2.68	20.0		26.6	12.7	20.0
32	808	8.0			2.76	20.7		26.6	12.7	20.0
32	808	9.0			2.72	20.3		26.6	12.7	20.0
32	808	10.0			2.76	20.6		26.6	12.7	20.0
32	808	11.0			2.89	21.8		26.6	12.7	20.0
32	808	12.0	19.8	0.84	2.78	20.9		26.6	12.7	20.0
31	830	1.0	17.4	0.85	2.36	17.3	1.5	26.7	12.6	20.0
31	830	2.0			2.36	17.3		26.7	12.6	20.0
31	830	3.0			2.32	17.0		26.7	12.6	20.0
31	830	4.0			2.33	17.0		26.7	12.6	20.0
31	830	5.0			2.33	17.0		26.7	12.6	20.0
31	830	6.0			2.25	16.3		26.7	12.6	20.0
31	830	7.0			2.27	16.5		26.7	12.6	20.0
31	830	8.0			2.22	16.1		26.8	12.6	20.1
31	830	9.0			2.22	16.1		26.8	12.6	20.1
31	830	10.0			2.11	15.1		26.8	12.6	20.1
31	830	11.0			2.14	15.4		26.8	12.6	20.1
31	830	12.0			2.02	14.4		26.8	12.7	20.1
31	830	13.0			2.02	14.4		26.8	12.7	20.1
31	830	14.0	13.9	0.80	2.06	14.7		26.8	12.7	20.1
30		1.0	10.3	0.80						
29		1.0	8.7	0.72						
28		1.0	5.7	0.75						
27	947	1.0	3.1	0.64	0.84	4.4	1.4	27.4	12.6	20.6
27	947	2.0			0.84	4.4		27.4	12.6	20.6
27	947	3.0			0.79	4.0		27.5	12.5	20.7
27	947	4.0			0.79	4.0		27.5	12.5	20.7
27	947	5.0	2.6	0.52	0.77	3.8		27.5	12.5	20.7
26	1002	1.0	2.8	0.63	0.43	0.9	1.1	27.6	12.6	20.8
26	1002	2.0	2.2	0.50	0.43	0.9		27.7	12.4	20.9
25	1020	1.0	2.4	0.61	0.65	2.8	1.2	27.6	12.6	20.7
25	1020	2.0			0.65	2.8		27.9	12.5	21.0
25	1020	3.0			0.62	2.6		28.2	12.5	21.2
25	1020	4.0			0.61	2.5		28.3	12.4	21.3
25	1020	5.0			0.61	2.5		28.3	12.4	21.3
25	1020	6.0			0.59	2.3		28.4	12.4	21.4
25	1020	7.0			0.60	2.4		28.4	12.4	21.4
25	1020	8.0	2.3	0.47	0.59	2.3		28.4	12.4	21.4
24	1038	1.0	2.0	0.59	0.56	2.0	1.1	28.2	12.4	21.2
24	1038	2.0			0.56	2.0		28.3	12.3	21.4
24	1038	3.0			0.57	2.1		28.3	12.4	21.3
24	1038	4.0			0.56	2.0		28.3	12.4	21.3
24	1038	5.0			0.55	1.9		28.3	12.3	21.4
24	1038	6.0			0.54	1.9		28.4	12.3	21.4
24	1038	7.0			0.53	1.8		28.5	12.3	21.5
24	1038	8.0			0.52	1.7		28.5	12.3	21.5
24	1038	9.0			0.51	1.6		28.5	12.3	21.5
24	1038	10.0			0.50	1.6		28.5	12.3	21.5
24	1038	11.0	1.8	0.47	0.50	1.5		28.5	12.3	21.5
23	1054	1.0	1.4	0.49	0.55	2.0	1.1	28.4	12.3	21.4

LOCATION: South San Francisco Bay  
 DATE: February 25, 1988  
 JULIAN DAY: 88056

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
23	1054	2.0			0.55	2.0		28.5	12.3	21.5
23	1054	3.0			0.58	2.2		28.6	12.2	21.6
23	1054	4.0			0.54	1.9		28.7	12.2	21.6
23	1054	5.0			0.54	1.9		28.7	12.2	21.7
23	1054	6.0			0.53	1.8		28.7	12.2	21.7
23	1054	7.0			0.57	2.1		28.8	12.2	21.7
23	1054	8.0			0.53	1.8		28.8	12.2	21.7
23	1054	9.0			0.52	1.7		28.8	12.2	21.7
23	1054	10.0			0.50	1.5		28.8	12.2	21.7
23	1054	11.0			0.49	1.5		28.8	12.2	21.8
23	1054	12.0			0.48	1.4		28.8	12.2	21.8
23	1054	13.0			0.48	1.3		28.8	12.2	21.8
23	1054	14.0			0.46	1.2		28.8	12.2	21.8
23	1054	15.0			0.47	1.2		28.8	12.2	21.8
23	1054	16.0			0.45	1.1		28.8	12.2	21.8
22	1113	1.0	1.7	0.56	0.49	1.4	0.9	28.9	12.3	21.8
22	1113	2.0			0.49	1.4		28.9	12.2	21.9
22	1113	3.0			0.49	1.4		29.0	12.2	21.9
22	1113	4.0			0.51	1.6		29.0	12.2	21.9
22	1113	5.0			0.49	1.5		29.0	12.2	21.9
22	1113	6.0			0.50	1.6		29.0	12.2	21.9
22	1113	7.0			0.48	1.4		29.0	12.2	21.9
22	1113	8.0			0.48	1.4		29.1	12.1	22.0
22	1113	9.0	1.4	0.33	0.47	1.3		29.1	12.1	22.0
21	1137	1.0	1.6	0.58	0.53	1.7	1.2	28.5	12.3	21.5
21	1137	2.0			0.53	1.7		28.7	12.3	21.7
21	1137	3.0			0.53	1.8		28.9	12.2	21.8
21	1137	4.0			0.53	1.8		28.9	12.2	21.8
21	1137	5.0			0.53	1.8		28.9	12.2	21.8
21	1137	6.0			0.52	1.7		28.9	12.2	21.8
21	1137	7.0			0.53	1.8		28.9	12.2	21.8
21	1137	8.0			0.53	1.8		28.9	12.2	21.8
21	1137	9.0			0.54	1.8		29.0	12.2	21.9
21	1137	10.0			0.55	1.9		29.1	12.2	22.0
21	1137	11.0			0.55	1.9		29.1	12.2	22.0
21	1137	12.0			0.56	2.1		29.1	12.2	22.0
21	1137	13.0			0.57	2.1		29.2	12.2	22.0
21	1137	14.0			0.57	2.1		29.2	12.2	22.0
21	1137	15.0			0.57	2.1		29.2	12.2	22.0
21	1137	16.0			0.58	2.2		29.2	12.2	22.0
21	1137	17.0			0.58	2.2		29.2	12.1	22.0
21	1137	18.0	1.9	0.25	0.58	2.2		29.2	12.1	22.0

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  17    0.98    -2.7    8.47    1.0



LOCATION: South San Francisco Bay  
DATE: March 1, 1988  
JULIAN DAY: 88060

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32	748	1.0	51.8	0.72	6.33	49.9	2.2	26.0	14.2	19.2
32	748	2.0			6.33	49.9		26.0	14.2	19.2
32	748	3.0			6.31	49.8		26.0	14.2	19.2
32	748	4.0			6.44	50.8		26.0	14.2	19.2
32	748	5.0			6.50	51.3		26.1	14.2	19.3
32	748	6.0			6.47	51.1		26.2	14.2	19.4
32	748	7.0			6.27	49.4		26.3	14.2	19.4
32	748	8.0			6.30	49.7		26.3	14.1	19.5
32	748	9.0			5.97	46.9		26.4	14.0	19.6
32	748	10.0			5.98	47.0		26.6	13.9	19.7
32	748	11.0			5.73	44.9		26.6	13.9	19.8
32	748	12.0			5.53	43.2		26.6	13.9	19.8
32	748	13.0			5.42	42.3		26.6	13.9	19.8
32	748	14.0	39.5	0.59	5.31	41.3		26.6	13.9	19.8
31	812	1.0	35.8	0.69	4.75	36.6	1.8	26.5	13.9	19.6
31	812	2.0			4.75	36.6		26.5	13.9	19.6
31	812	3.0			4.70	36.2		26.5	13.9	19.6
31	812	4.0			4.59	35.3		26.5	13.9	19.6
31	812	5.0			4.95	38.3		26.5	13.9	19.6
31	812	6.0			4.65	35.8		26.6	13.8	19.7
31	812	7.0			4.51	34.6		26.8	13.7	19.9
31	812	8.0			4.24	32.3		26.9	13.7	20.0
31	812	9.0			4.17	31.7		26.9	13.7	20.0
31	812	10.0			4.09	31.1		27.0	13.7	20.0
31	812	11.0			3.89	29.4		27.0	13.7	20.0
31	812	12.0			3.81	28.7		27.0	13.7	20.0
31	812	13.0			3.75	28.2		27.0	13.7	20.0
31	812	14.0			3.79	28.6		27.0	13.7	20.0
31	812	15.0			3.72	27.9		27.0	13.7	20.1
31	812	16.0	26.7	0.51	2.75	19.8		26.9	13.7	20.0
30	842	1.0	19.5	0.72	2.61	18.6	2.0	27.2	13.5	20.3
30	842	2.0			2.61	18.6		27.2	13.5	20.3
30	842	3.0			2.62	18.8		27.2	13.5	20.3
30	842	4.0			2.64	18.9		27.2	13.5	20.3
30	842	5.0			2.61	18.6		27.2	13.5	20.3
30	842	6.0			2.65	19.0		27.2	13.5	20.3
30	842	7.0			2.65	19.0		27.2	13.5	20.3
30	842	8.0			2.79	20.2		27.2	13.5	20.3
30	842	9.0			2.88	20.9		27.2	13.5	20.3
30	842	10.0			2.96	21.5		27.3	13.5	20.3
30	842	11.0			2.97	21.7		27.3	13.5	20.3
30	842	12.0			3.02	22.1		27.3	13.5	20.3
30	842	13.0			3.05	22.3		27.3	13.5	20.3
30	842	14.0	22.4	0.53	3.17	23.3		27.3	13.5	20.3
29	918	1.0	15.2	0.62	2.40	16.9	1.8	27.4	13.4	20.5
29	918	2.0			2.40	16.9		27.4	13.4	20.5
29	918	3.0			2.40	16.9		27.4	13.4	20.5
29	918	4.0			2.38	16.7		27.4	13.4	20.5
29	918	5.0			2.46	17.3		27.4	13.4	20.5
29	918	6.0			2.39	16.8		27.5	13.4	20.5
29	918	7.0			2.45	17.3		27.5	13.4	20.5
29	918	8.0			2.44	17.2		27.6	13.4	20.6
29	918	9.0			2.47	17.5		27.8	13.4	20.6
29	918	10.0			2.40	16.9		27.8	13.3	20.6
29	918	11.0			2.38	16.7		27.7	13.3	20.7
29	918	12.0			2.33	16.3		27.7	13.3	20.7
29	918	13.0			2.38	16.7		27.7	13.3	20.7
29	918	14.0			2.29	15.9		27.7	13.3	20.7
29	918	15.0			2.36	16.6		27.7	13.3	20.7
29	918	16.0	13.4	0.60	2.34	16.3		27.7	13.3	20.7
28	842	1.0	11.5	0.60	1.73	11.2	2.2	27.9	13.2	20.9

LOCATION: South San Francisco Bay  
DATE: March 1, 1988  
JULIAN DAY: 88060

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
28	942	2.0			1.73	11.2		27.9	13.2	20.9
28	942	3.0			1.71	11.1		27.9	13.2	20.9
28	942	4.0			1.72	11.2		27.9	13.2	20.9
28	942	5.0			1.72	11.2		27.9	13.2	20.9
28	942	6.0			1.76	11.5		27.9	13.2	20.9
28	942	7.0			1.76	11.5		27.9	13.2	20.9
28	942	8.0			1.88	12.5		27.9	13.2	20.9
28	942	9.0			1.88	12.5		27.9	13.2	20.9
28	942	10.0			1.88	12.5		27.9	13.2	20.9
28	942	11.0			1.91	12.7		27.9	13.2	20.9
28	942	12.0			1.96	13.2		27.9	13.2	20.9
28	942	13.0			1.90	12.7		27.9	13.2	20.9
28	942	14.0			1.97	13.2		28.0	13.2	20.9
28	942	15.0			1.89	12.6		28.0	13.2	20.9
28	942	16.0			1.91	12.7		28.0	13.2	20.9
28	942	17.0			1.89	12.6		28.0	13.2	20.9
28	942	18.0	9.1	0.51	1.93	12.9		28.0	13.2	20.9
27	1002	1.0	5.3	0.48	0.92	4.4	1.5	28.2	13.1	21.1
27	1002	2.0			0.92	4.4		28.2	13.1	21.1
27	1002	3.0			0.96	4.7		28.2	13.1	21.1
27	1002	4.0			0.96	4.8		28.2	13.1	21.1
27	1002	5.0			0.96	4.8		28.2	13.1	21.1
27	1002	6.0			0.98	4.9		28.2	13.1	21.1
27	1002	7.0			1.05	5.5		28.2	13.2	21.1
27	1002	8.0			1.08	5.8		28.2	13.1	21.1
27	1002	9.0			1.12	6.2		28.2	13.1	21.1
27	1002	10.0			1.11	6.0		28.2	13.1	21.1
27	1002	11.0			1.09	5.9		28.2	13.1	21.1
27	1002	12.0			1.09	5.8		28.2	13.1	21.1
27	1002	13.0			1.08	5.8		28.2	13.1	21.1
27	1002	14.0	5.7	0.61	1.16	6.5		28.3	13.1	21.2
26	1021	1.0			0.83	3.7	1.6	28.6	13.0	21.4
26	1021	2.0			0.83	3.7		28.6	13.0	21.4
26	1021	3.0			0.84	3.7		28.6	13.0	21.4
26	1021	4.0			0.85	3.8		28.6	13.0	21.4
26	1021	5.0			0.84	3.8		28.6	13.0	21.4
26	1021	6.0			0.85	3.8		28.6	13.0	21.4
26	1021	7.0			0.85	3.8		28.6	13.0	21.4
26	1021	8.0			0.84	3.8		28.6	13.0	21.4
26	1021	9.0			0.84	3.8		28.6	13.0	21.4
26	1021	10.0			0.84	3.8		28.6	13.0	21.4
26	1021	11.0			0.85	3.8		28.6	13.0	21.4
26	1021	12.0			0.85	3.9		28.6	13.0	21.4
25	1042	1.0			0.66	2.2	1.8	29.2	12.8	21.9
25	1042	2.0			0.66	2.2		29.2	12.8	21.9
25	1042	3.0			0.68	2.4		29.2	12.8	21.9
25	1042	4.0			0.69	2.5		29.2	12.8	21.9
25	1042	5.0			0.69	2.5		29.2	12.8	21.9
25	1042	6.0			0.71	2.7		29.2	12.8	21.9
25	1042	7.0			0.70	2.6		29.2	12.8	21.9
25	1042	8.0			0.74	2.9		29.2	12.8	21.9
25	1042	9.0			0.75	3.0		29.2	12.8	21.9
25	1042	10.0			0.77	3.2		29.2	12.8	21.9
24	1104	1.0	1.8	0.44	0.50	0.9	1.2	29.6	12.5	22.3
24	1104	2.0			0.50	0.9		29.6	12.5	22.3
24	1104	3.0			0.52	1.1		29.6	12.5	22.3
24	1104	4.0			0.51	1.0		29.6	12.5	22.3
24	1104	5.0			0.53	1.2		29.6	12.5	22.3
24	1104	6.0			0.54	1.3		29.6	12.5	22.3
24	1104	7.0			0.55	1.3		29.6	12.5	22.3
24	1104	8.0			0.56	1.4		29.7	12.5	22.3

LOCATION: South San Francisco Bay  
 DATE: March 1, 1988  
 JULIAN DAY: 88060

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
24	1104	9.0			0.55	1.3		29.7	12.5	22.4
24	1104	10.0			0.54	1.2		29.7	12.5	22.4
24	1104	11.0			0.53	1.2		29.7	12.5	22.4
23	1121	1.0			0.48	0.5	1.1	30.2	12.4	22.8
23	1121	2.0			0.46	0.5		30.2	12.4	22.8
23	1121	3.0			0.46	0.6		30.2	12.4	22.8
23	1121	4.0			0.47	0.6		30.2	12.3	22.8
23	1121	5.0			0.48	0.7		30.2	12.4	22.8
23	1121	6.0			0.48	0.7		30.2	12.4	22.8
23	1121	7.0			0.48	0.7		30.2	12.3	22.8
23	1121	8.0			0.48	0.7		30.2	12.4	22.8
23	1121	9.0			0.48	0.7		30.2	12.4	22.8
23	1121	10.0			0.47	0.7		30.2	12.4	22.8
23	1121	11.0			0.46	0.6		30.2	12.4	22.8
23	1121	12.0			0.47	0.6		30.2	12.4	22.8
23	1121	13.0			0.46	0.6		30.2	12.4	22.8
23	1121	14.0			0.48	0.7		30.2	12.4	22.8
23	1121	15.0			0.48	0.7		30.2	12.4	22.8
23	1121	16.0			0.49	0.8		30.2	12.4	22.8
22	1143	1.0	1.4	0.54	0.43	0.4	0.8	30.2	12.5	22.8
22	1143	2.0			0.43	0.4		30.2	12.5	22.8
22	1143	3.0			0.44	0.4		30.2	12.4	22.8
22	1143	4.0			0.45	0.5		30.2	12.4	22.8
22	1143	5.0			0.46	0.6		30.2	12.4	22.8
22	1143	6.0			0.47	0.7		30.2	12.4	22.8
22	1143	7.0			0.49	0.8		30.3	12.4	22.8
22	1143	8.0			0.48	0.8		30.3	12.4	22.9
22	1143	9.0			0.50	0.9		30.3	12.4	22.9
22	1143	10.0			0.47	0.7		30.4	12.3	22.9
22	1143	11.0			0.46	0.5		30.4	12.3	22.9
22	1143	12.0			0.44	0.4		30.6	12.2	23.1
22	1143	13.0			0.43	0.3		30.7	12.2	23.2
22	1143	14.0			0.43	0.3		30.7	12.1	23.2
22	1143	15.0			0.42	0.2		30.8	12.1	23.3
22	1143	16.0			0.41	0.2		30.8	12.1	23.3
22	1143	17.0			0.41	0.2		30.8	12.1	23.3
22	1143	18.0			0.41	0.1		30.8	12.1	23.3
22	1143	19.0			0.44	0.4		30.8	12.1	23.3

Fluorometer Calibration:      n      r^2      A      B      Syx  
                                  14      0.97      -3.3      8.40      2.7

LOCATION: South San Francisco Bay  
DATE: March 11, 1968  
JULIAN DAY: 88070

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32	804	1.0	6.1	0.64	0.82	6.0	1.2	26.7	13.4	19.9
32	804	2.0			0.82	6.0		26.7	13.4	19.9
32	804	3.0			0.81	6.0		26.7	13.4	19.9
32	804	4.0			0.84	6.1		26.7	13.4	19.9
32	804	5.0			0.83	6.1		26.7	13.4	19.9
32	804	6.0			0.81	6.0		26.7	13.4	19.9
32	804	7.0			0.85	6.2		26.7	13.4	19.9
32	804	8.0			0.83	6.1		26.7	13.5	19.9
32	804	9.0			0.89	6.5		26.8	13.5	19.9
32	804	10.0			0.92	6.6		26.8	13.5	19.9
32	804	11.0			0.96	6.9		26.8	13.5	19.9
32	804	12.0			1.00	7.1		26.8	13.5	19.9
32	804	13.0	7.8	0.56	1.15	8.0	1.2	26.8	13.5	19.9
31	819	1.0			0.79	5.8		26.8	13.6	19.9
31	819	2.0			0.79	5.8		26.8	13.6	19.9
31	819	3.0			0.80	5.9		26.8	13.6	19.9
31	819	4.0			0.83	6.1		26.8	13.6	19.9
31	819	5.0			0.81	5.9		26.8	13.6	19.9
31	819	6.0			0.84	6.2		26.8	13.6	19.9
31	819	7.0			0.87	6.3		26.8	13.6	20.0
31	819	8.0			0.86	6.3		26.8	13.6	20.0
31	819	9.0			0.89	6.4		26.8	13.6	20.0
31	819	10.0			0.88	6.4		26.9	13.5	20.0
31	819	11.0			0.89	6.4		26.9	13.5	20.0
31	819	12.0			0.94	6.8		26.9	13.4	20.1
31	819	13.0			0.98	7.0		27.0	13.4	20.1
31	819	14.0	8.2	0.58	1.02	7.2	1.0	27.0	13.4	20.1
30	838	1.0			0.83	6.1		26.8	13.7	19.9
30	838	2.0			0.83	6.1		26.8	13.7	19.9
30	838	3.0			0.88	6.4		26.8	13.7	19.9
30	838	4.0			0.88	6.4		26.8	13.7	19.9
30	838	5.0			0.84	6.1		26.8	13.7	19.9
30	838	6.0			0.85	6.2		26.8	13.7	19.9
30	838	7.0			0.92	6.6		26.8	13.7	19.9
30	838	8.0			0.86	6.3		26.8	13.7	19.9
30	838	9.0			0.93	6.7		26.8	13.7	19.9
30	838	10.0			0.98	7.0		26.8	13.7	19.9
30	838	11.0			1.10	7.7		26.8	13.7	19.9
29	901	1.0	5.6	0.72	0.76	5.7	0.9	27.0	13.6	20.1
29	901	2.0			0.76	5.7		27.0	13.6	20.1
29	901	3.0			0.80	5.9		27.0	13.6	20.1
29	901	4.0			0.75	5.6		27.0	13.6	20.1
29	901	5.0			0.74	5.6		27.0	13.6	20.1
29	901	6.0			0.77	5.7		27.0	13.6	20.1
29	901	7.0			0.71	5.4		27.0	13.6	20.1
29	901	8.0			0.76	5.8		27.3	13.8	20.3
29	901	9.0			0.74	5.5		27.5	13.8	20.5
29	901	10.0			0.79	5.8		27.6	13.8	20.5
29	901	11.0			0.81	6.0		27.7	13.8	20.6
29	901	12.0			0.80	5.9		27.7	13.8	20.6
29	901	13.0	6.6	0.44	0.84	6.2	0.9	27.7	13.8	20.6
29	901	14.0			0.88	6.4		27.7	13.8	20.6
28	914	1.0			0.60	4.7		27.5	13.7	20.4
28	914	2.0			0.60	4.7		27.5	13.7	20.5
28	914	3.0			0.60	4.7		27.5	13.7	20.5
28	914	4.0			0.63	4.9		27.5	13.7	20.5
28	914	5.0			0.63	4.9		27.5	13.7	20.5
28	914	6.0			0.62	4.9		27.5	13.7	20.5
28	914	7.0			0.65	5.1		27.5	13.7	20.5
28	914	8.0			0.81	5.9		27.6	13.7	20.5
28	914	9.0			0.77	5.7		27.6	13.7	20.5

LOCATION: South San Francisco Bay  
 DATE: March 11, 1988  
 JULIAN DAY: 88070

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
28	914	10.0			0.80	5.9		27.6	13.7	20.6
28	914	11.0			0.79	5.8		27.7	13.7	20.6
28	914	12.0			0.82	6.0		27.7	13.7	20.6
28	914	13.0			0.83	6.1		27.7	13.7	20.6
28	914	14.0			0.93	6.7		27.7	13.7	20.6
28	914	15.0	4.3	0.59	1.08	7.6		27.7	13.6	20.7
27		1.0	4.4	0.67						
25		1.0	5.7	0.37						
24	1009	1.0			0.62	4.9	1.0	28.2	13.5	21.0
24	1009	2.0			0.62	4.9		28.2	13.5	21.1
24	1009	3.0			0.60	4.8		28.3	13.4	21.1
24	1009	4.0			0.61	4.8		28.3	13.4	21.1
24	1009	5.0			0.58	4.6		28.3	13.4	21.2
24	1009	6.0			0.58	4.6		28.4	13.3	21.2
24	1009	7.0			0.61	4.8		28.4	13.3	21.2
24	1009	8.0			0.59	4.7		28.4	13.3	21.2
24	1009	9.0			0.59	4.7		28.4	13.3	21.2
22		1.0	2.1	0.56						
21		1.0	2.2	0.44						

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  10    0.37    1.2    5.89    1.5

LOCATION: South San Francisco Bay  
DATE: March 23, 1988  
JULIAN DAY: 88083

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
30	1302	1.0			3.00	18.9	1.8	29.2	11.7	22.1
30	1302	2.0			3.00	18.9		29.2	11.7	22.1
30	1302	3.0			3.03	19.1		29.2	11.7	22.1
30	1302	4.0			2.98	18.8		29.3	11.6	22.2
30	1302	5.0			2.90	18.3		29.3	11.5	22.3
30	1302	6.0			2.88	18.2		29.4	11.5	22.3
30	1302	7.0			2.86	18.1		29.4	11.5	22.3
30	1302	8.0			2.87	18.1		29.4	11.5	22.4
29	1242	1.0			1.99	13.0	1.8	29.5	11.5	22.4
29	1242	2.0			1.99	13.0		29.5	11.4	22.4
29	1242	3.0			2.08	13.5		29.5	11.4	22.4
29	1242	4.0			2.02	13.1		29.5	11.4	22.4
29	1242	5.0			2.00	13.0		29.5	11.4	22.4
29	1242	6.0			1.97	12.8		29.5	11.4	22.4
29	1242	7.0			2.00	13.0		29.5	11.4	22.4
28	1228	1.0			0.95	6.8	1.2	29.7	11.0	22.6
28	1228	2.0			0.95	6.8		29.7	11.0	22.6
28	1228	3.0			0.96	6.9		29.7	11.0	22.7
28	1228	4.0			0.95	6.8		29.7	10.9	22.7
28	1228	5.0			0.95	6.8		29.7	10.9	22.7
28	1228	6.0			0.93	6.7		29.7	10.9	22.7
28	1228	7.0			0.92	6.6		29.7	10.9	22.7
28	1228	8.0			0.92	6.7		29.7	10.9	22.7
28	1228	9.0			0.91	6.6		29.7	10.9	22.7
27	1215	1.0			0.79	5.9	1.2	29.6	11.0	22.5
27	1215	2.0			0.79	5.9		29.5	11.0	22.5
27	1215	3.0			0.78	5.8		29.6	10.9	22.5
27	1215	4.0			0.78	5.8		29.6	10.9	22.5
27	1215	5.0			0.80	5.9		29.5	10.9	22.5
27	1215	6.0			0.80	5.9		29.6	10.9	22.5
27	1215	7.0			0.82	6.1		29.6	10.9	22.6
27	1215	8.0			0.79	5.9		29.6	10.9	22.6
27	1215	9.0			0.81	6.0		29.6	10.9	22.6
27	1215	10.0			0.81	6.0		29.6	10.9	22.6
27	1215	11.0			0.80	5.9		29.6	10.9	22.6
27	1215	12.0			0.81	6.0		29.6	10.9	22.6
27	1215	13.0			0.80	5.9		29.6	10.9	22.6
26	1203	1.0			0.70	5.3	1.0	29.8	10.8	22.8
26	1203	2.0			0.70	5.3		29.8	10.8	22.8
26	1203	3.0			0.72	5.4		29.8	10.8	22.8
26	1203	4.0			0.70	5.3		29.8	10.8	22.8
26	1203	5.0			0.71	5.4		29.8	10.8	22.8
26	1203	6.0			0.70	5.3		29.9	10.8	22.8
26	1203	7.0			0.68	5.2		29.9	10.8	22.8
26	1203	8.0			0.68	5.2		29.9	10.8	22.8
26	1203	9.0			0.66	5.1		29.9	10.8	22.8
26	1203	10.0			0.65	5.1		29.9	10.8	22.8
26	1203	11.0			0.61	4.8		29.9	10.8	22.8
26	1203	12.0			0.61	4.8		29.9	10.8	22.8
26	1203	13.0			0.59	4.7		29.9	10.8	22.8
26	1203	14.0			0.67	5.2		29.9	10.8	22.8
26	1203	15.0			0.61	4.8		29.9	10.8	22.8
25	1145	1.0			1.08	7.5	1.5	29.5	11.3	22.5
25	1145	2.0			1.08	7.5		29.6	11.1	22.6
25	1145	3.0			1.10	7.7		29.6	11.1	22.6
25	1145	4.0			1.10	7.7		29.6	11.1	22.6
25	1145	5.0			1.04	7.4		29.8	11.0	22.6
25	1145	6.0			1.04	7.3		29.6	11.0	22.6
25	1145	7.0			1.00	7.1		29.7	11.0	22.6
25	1145	8.0			0.97	6.9		29.7	10.9	22.7

LOCATION: South San Francisco Bay  
 DATE: March 23, 1988  
 JULIAN DAY: 88083

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
25	1145	9.0			0.93	6.7		29.7	10.9	22.7
25	1145	10.0			0.90	6.5		29.7	10.9	22.7
25	1145	11.0			0.85	6.2		29.7	10.9	22.7
25	1145	12.0			0.86	6.3		29.8	10.9	22.7
25	1145	13.0			0.84	6.2		29.8	10.9	22.7
25	1145	14.0			0.85	6.2		29.8	10.8	22.8
24	1128	1.0			0.81	6.0	1.2	29.7	10.9	22.7
24	1128	2.0			0.81	6.0		29.7	10.9	22.7
24	1128	3.0			0.80	5.9		29.7	10.9	22.7
24	1128	4.0			0.79	5.9		29.8	10.8	22.7
24	1128	5.0			0.77	5.8		29.8	10.8	22.7
24	1128	6.0			0.78	5.8		29.8	10.8	22.8

LOCATION: South San Francisco Bay  
 DATE: April 14, 1988  
 JULIAN DAY: 88104

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32	757	1.0	13.5	0.63	1.84	14.8	2.2	27.8	17.6	19.9
32	757	2.0			1.84	14.8		27.8	17.5	19.9
32	757	3.0			1.82	14.6		27.9	17.4	20.0
32	757	4.0			1.80	14.4		27.9	17.4	20.0
32	757	5.0			1.81	14.6		28.0	17.4	20.0
32	757	6.0			1.89	15.2		28.0	17.4	20.1
32	757	7.0			1.95	15.8		28.0	17.4	20.1
32	757	8.0			2.10	17.1		28.1	17.4	20.1
32	757	9.0			2.12	17.4		28.1	17.4	20.1
30	853	1.0	11.0	0.68	1.46	11.4	2.6	28.6	17.0	20.6
30	853	2.0			1.46	11.4		28.6	17.0	20.6
30	853	3.0			1.46	11.4		28.7	17.0	20.7
30	853	4.0			1.44	11.2		28.8	17.0	20.7
30	853	5.0			1.49	11.6		28.8	16.9	20.8
30	853	6.0			1.51	11.8		28.9	16.9	20.8
30	853	7.0			1.54	12.2		28.9	16.9	20.8
30	853	8.0			1.59	12.6		28.9	16.9	20.8
30	853	9.0			1.66	13.2		28.9	16.9	20.8
30	853	10.0			1.75	14.0		28.9	16.9	20.8
30	853	11.0			1.74	13.9		28.9	16.9	20.8
30	853	12.0			1.85	14.9		28.9	16.9	20.8
30	853	13.0	15.5	0.29	1.87	15.1		28.9	16.9	20.8
29	945	1.0	7.7	0.33	1.26	9.6	3.7	29.2	16.7	21.1
29	945	2.0			1.26	9.6		29.2	16.7	21.1
29	945	3.0			1.27	9.7		29.2	16.7	21.1
29	945	4.0	9.9	0.30	1.26	9.6		29.2	16.7	21.1
27	1024	1.0	5.5	0.32	0.97	7.0	3.5	29.7	16.0	21.7
27	1024	2.0			0.97	7.0		29.7	16.0	21.7
27	1024	3.0			0.96	6.9		29.8	15.9	21.7
27	1024	4.0			0.94	6.7		29.8	15.9	21.8
27	1024	5.0			0.91	6.5		29.8	15.9	21.8
27	1024	6.0			0.95	6.8		29.8	15.9	21.8
27	1024	7.0			0.93	6.7		29.8	15.9	21.8
27	1024	8.0			0.93	6.7		29.8	15.9	21.8
27	1024	9.0			0.95	6.8		29.8	15.9	21.8
27	1024	10.0			0.94	6.7		29.8	15.9	21.8
27	1024	11.0			0.93	6.7		29.8	15.9	21.8
27	1024	12.0			0.95	6.8		29.8	15.9	21.8
27	1024	13.0	6.8	0.33	0.98	7.1		29.8	15.9	21.8
26	1042	1.0	4.8	0.38	0.78	5.3	2.8	30.0	15.4	22.0
26	1042	2.0			0.78	5.3		30.0	15.4	22.0
26	1042	3.0			0.78	5.3		30.0	15.4	22.1
26	1042	4.0			0.80	5.4		30.0	15.4	22.1
26	1042	5.0			0.81	5.6		30.0	15.4	22.1
26	1042	6.0			0.81	5.6		30.0	15.4	22.1
26	1042	7.0			0.81	5.5		30.0	15.4	22.1
26	1042	8.0			0.83	5.7		30.0	15.4	22.1
26	1042	9.0			0.81	5.6		30.0	15.4	22.1
26	1042	10.0	5.7	0.33	0.84	5.8		30.0	15.4	22.0
25	1104	1.0	7.1	0.39	0.96	7.0	2.0	30.2	14.9	22.3
25	1104	2.0			0.96	7.0		30.2	15.0	22.3
25	1104	3.0			0.94	6.8		30.1	15.1	22.2
25	1104	4.0			0.96	7.0		30.2	15.0	22.2
25	1104	5.0			0.99	7.2		30.1	15.1	22.2
25	1104	6.0			1.04	7.6		30.1	15.1	22.2
25	1104	7.0			1.09	8.1		30.1	15.1	22.2
25	1104	8.0			1.12	8.4		30.1	15.1	22.2
25	1104	9.0			1.10	8.2		30.1	15.1	22.2
25	1104	10.0	9.6	0.40	1.16	8.7		30.1	15.2	22.1
24	1124	1.0	7.7	0.64	0.99	7.2	1.6	30.6	14.3	22.8



LOCATION: South San Francisco Bay  
 DATE: April 14, 1988  
 JULIAN DAY: 88104

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
24	1124	2.0			0.99	7.2		30.7	14.3	22.8
24	1124	3.0			0.99	7.2		30.7	14.2	22.8
24	1124	4.0			1.04	7.6		30.8	14.1	22.9
24	1124	5.0			1.02	7.4		30.8	14.1	22.9
24	1124	6.0			1.05	7.7		30.8	14.1	22.9
24	1124	7.0			1.05	7.7		30.7	14.1	22.9
24	1124	8.0			1.09	8.1		30.7	14.1	22.9
24	1124	9.0			1.10	8.2		30.7	14.1	22.9
24	1124	10.0			1.12	8.3		30.7	14.1	22.9
24	1124	11.0	7.5	0.43	1.12	8.3		30.7	14.1	22.9
23	1142	1.0	7.8	0.53	1.13	8.5	2.2	30.9	13.9	23.0
23	1142	2.0			1.13	8.5		30.9	13.8	23.1
23	1142	3.0			1.14	8.5		30.9	13.8	23.1
23	1142	4.0			1.11	8.2		30.9	13.8	23.1
23	1142	5.0			1.10	8.1		30.9	13.7	23.1
23	1142	6.0			1.06	7.9		31.0	13.7	23.1
23	1142	7.0			1.08	8.0		31.0	13.7	23.2
23	1142	8.0			1.12	8.4		31.1	13.6	23.2
23	1142	9.0			1.16	8.7		31.1	13.6	23.2
23	1142	10.0			1.17	8.8		31.1	13.6	23.2
23	1142	11.0			1.16	8.7		31.1	13.6	23.3
23	1142	12.0			1.20	9.0		31.1	13.6	23.3
23	1142	13.0			1.24	9.4		31.1	13.6	23.3
23	1142	14.0			1.21	9.2		31.1	13.6	23.3
23	1142	15.0	11.4	0.42	1.28	9.8		31.2	13.6	23.3
22	1203	1.0	9.4	0.66	1.09	8.1	1.9	30.9	13.8	23.0
22	1203	2.0			1.09	8.1		31.0	13.7	23.2
22	1203	3.0			1.13	8.4		31.1	13.6	23.2
22	1203	4.0			1.12	8.3		31.1	13.6	23.3
22	1203	5.0			1.11	8.3		31.2	13.6	23.3
22	1203	6.0			1.14	8.5		31.2	13.5	23.3
22	1203	7.0			1.22	9.3		31.2	13.5	23.3
22	1203	8.0			1.26	9.6		31.2	13.5	23.3
22	1203	9.0			1.22	9.3		31.2	13.5	23.3
22	1203	10.0			1.24	9.4		31.2	13.5	23.3
22	1203	11.0			1.24	9.4		31.2	13.5	23.3
22	1203	12.0			1.25	9.5		31.2	13.5	23.3
22	1203	13.0			1.30	10.0		31.2	13.5	23.4
22	1203	14.0			1.30	10.0		31.2	13.5	23.4
22	1203	15.0			1.32	10.2		31.2	13.5	23.4
22	1203	16.0			1.34	10.3		31.2	13.5	23.4
22	1203	17.0	12.4	0.45	1.30	9.9		31.2	13.5	23.4
21	1220	1.0	7.9	0.67	1.04	7.6	1.7	30.8	13.9	23.0
21	1220	2.0			1.04	7.6		30.8	13.7	23.0
21	1220	3.0			1.05	7.8		30.8	13.7	23.0
21	1220	4.0			1.11	8.3		30.9	13.6	23.1
21	1220	5.0			1.10	8.2		31.0	13.6	23.2
21	1220	6.0			1.12	8.3		31.1	13.6	23.2
21	1220	7.0			1.14	8.6		31.3	13.4	23.5
21	1220	8.0			1.22	9.3		31.5	13.3	23.6
21	1220	9.0			1.27	9.7		31.6	13.2	23.7
21	1220	10.0			1.36	10.5		31.6	13.2	23.8
21	1220	11.0			1.37	10.6		31.7	13.1	23.8
21	1220	12.0			1.38	10.6		31.7	13.1	23.8
21	1220	13.0			1.47	11.5		31.7	13.1	23.8
21	1220	14.0			1.51	11.9		31.8	13.1	23.9
21	1220	15.0			1.47	11.5		31.8	13.1	23.9
21	1220	16.0	11.1	0.56	1.44	11.2		31.8	13.1	23.9

Fluorometer Calibration:    n    r^2    A    B    Syx  
                                  19    0.86    -1.7    8.97    1.1

LOCATION: South San Francisco Bay  
DATE: May 2, 1988  
JULIAN DAY: 88122

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	805	1.0	3.0	0.41	0.86	2.7	2.9	26.9	15.0	19.7
32	805	2.0			0.86	2.7		26.9	15.0	19.8
32	805	3.0			0.85	2.6		27.1	15.0	19.9
32	805	4.0			0.86	2.7		27.3	15.0	20.0
32	805	5.0			0.87	2.7		27.5	14.9	20.2
32	805	6.0			0.91	2.9		27.4	14.7	20.2
32	805	7.0			0.94	3.1		27.4	14.5	20.2
32	805	8.0			0.97	3.2		27.4	14.5	20.2
32	805	9.0			0.99	3.3		27.5	14.5	20.3
31	819	1.0			0.87	2.7	2.9	27.5	15.1	20.2
31	819	2.0			0.87	2.7		27.6	14.9	20.3
31	819	3.0			0.86	2.7		27.7	14.8	20.4
31	819	4.0			0.88	2.8		27.7	14.8	20.4
31	819	5.0			0.89	2.8		27.8	14.9	20.5
31	819	6.0			0.90	2.9		27.9	14.9	20.5
31	819	7.0			0.92	3.0		27.9	14.9	20.5
31	819	8.0			0.93	3.0		27.9	14.9	20.5
31	819	9.0			0.95	3.1		28.0	14.8	20.6
31	819	10.0			0.96	3.2		28.0	14.7	20.7
31	819	11.0			0.97	3.2		28.1	14.7	20.7
31	819	12.0			0.98	3.2		28.1	14.6	20.7
31	819	13.0			0.98	3.3		28.1	14.6	20.7
30	840	1.0	3.1	0.44	0.84	2.6	3.2	28.2	15.2	20.7
30	840	2.0			0.84	2.6		28.3	15.1	20.8
30	840	3.0			0.85	2.6		28.3	15.2	20.8
30	840	4.0			0.87	2.7		28.4	15.2	20.8
30	840	5.0			0.89	2.8		28.4	15.2	20.9
30	840	6.0			0.91	2.9		28.5	15.2	20.9
30	840	7.0			0.92	3.0		28.6	15.2	21.0
30	840	8.0			0.94	3.1		28.6	15.1	21.0
30	840	9.0			0.95	3.1		28.7	15.1	21.1
30	840	10.0			0.97	3.2		28.7	15.0	21.1
30	840	11.0			0.98	3.2		28.7	14.9	21.2
30	840	12.0			0.99	3.3		28.8	14.8	21.2
30	840	13.0			1.05	3.6		28.9	14.8	21.3
29	906	1.0	2.8	0.25	0.96	3.2	4.0	28.6	15.3	20.9
29	906	2.0			0.96	3.2		28.6	15.3	21.0
29	906	3.0			0.98	3.3		28.7	15.3	21.0
29	906	4.0			1.01	3.4		28.7	15.3	21.1
29	906	5.0			1.05	3.6		28.7	15.3	21.1
29	906	6.0			1.09	3.8		28.8	15.2	21.1
29	906	7.0			1.11	3.9		28.8	15.2	21.2
29	906	8.0			1.13	4.0		28.9	15.2	21.2
29	906	9.0			1.13	4.0		28.9	15.2	21.2
29	906	10.0			1.13	4.0		28.9	15.2	21.2
29	906	11.0			1.12	3.9		28.9	15.2	21.3
29	906	12.0			1.10	3.8		29.0	15.1	21.3
29	906	13.0			1.08	3.7		29.0	15.1	21.3
28	926	1.0			0.90	2.9	3.5	28.8	15.4	21.1
28	926	2.0			0.90	2.9		28.8	15.3	21.1
28	926	3.0			0.92	3.0		28.9	15.3	21.2
28	926	4.0			0.92	3.0		28.9	15.3	21.2
28	926	5.0			0.92	3.0		29.0	15.2	21.3
28	926	6.0			0.91	2.9		29.1	15.2	21.4
28	926	7.0			0.92	2.9		29.1	15.2	21.4
28	926	8.0			0.90	2.9		29.1	15.2	21.4
28	926	9.0			0.89	2.8		29.1	15.2	21.4
28	926	10.0			0.88	2.8		29.1	15.2	21.4
28	926	11.0			0.86	2.7		29.2	15.1	21.5
28	926	12.0			0.86	2.7		29.2	15.1	21.5
28	926	13.0			0.88	2.8		29.2	15.1	21.5

LOCATION: South San Francisco Bay  
 DATE: May 2, 1988  
 JULIAN DAY: 88122

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	926	14.0			0.89	2.8		29.2	15.1	21.5
27	947	1.0	2.7	0.28	0.89	2.8	4.0	28.9	15.4	21.2
27	947	2.0			0.89	2.8		28.9	15.4	21.2
27	947	3.0			0.91	2.9		28.9	15.4	21.2
27	947	4.0			0.92	3.0		28.9	15.3	21.2
27	947	5.0			0.93	3.0		28.9	15.4	21.2
27	947	6.0			0.95	3.1		29.0	15.4	21.3
27	947	7.0			0.94	3.1		29.0	15.4	21.3
27	947	8.0			0.94	3.1		29.0	15.3	21.3
27	947	9.0			0.94	3.1		29.1	15.3	21.3
27	947	10.0			0.97	3.2		29.1	15.3	21.4
27	947	11.0			1.08	3.7		29.1	15.3	21.3
26	1002	1.0			0.87	2.7	2.6	29.2	15.5	21.4
26	1002	2.0			0.87	2.7		29.2	15.4	21.4
26	1002	3.0			0.85	2.6		29.2	15.4	21.4
26	1002	4.0			0.86	2.7		29.2	15.4	21.4
26	1002	5.0			0.86	2.7		29.2	15.4	21.4
26	1002	6.0			0.94	3.0		29.2	15.4	21.4
26	1002	7.0			1.03	3.5		29.1	15.4	21.4
26	1002	8.0			1.08	3.8		29.1	15.4	21.4
26	1002	9.0			1.15	4.1		29.1	15.4	21.4
26	1002	10.0			1.21	4.4		29.1	15.4	21.4
25	1027	1.0			1.08	3.7	7.7	29.5	15.5	21.6
25	1027	2.0			1.08	3.7		29.5	15.5	21.6
25	1027	3.0			1.09	3.8		29.5	15.5	21.6
25	1027	4.0			1.12	3.9		29.5	15.5	21.6
25	1027	5.0			1.15	4.1		29.5	15.5	21.6
25	1027	6.0			1.17	4.2		29.5	15.5	21.6
25	1027	7.0			1.19	4.3		29.5	15.5	21.6
25	1027	8.0			1.22	4.4		29.5	15.5	21.6
24	1051	1.0	1.7	0.20	0.65	1.7	4.2	29.8	15.4	21.9
24	1051	2.0			0.65	1.7		29.8	15.4	21.9
24	1051	3.0			0.66	1.7		29.8	15.4	21.9
24	1051	4.0			0.67	1.8		29.8	15.4	21.9
24	1051	5.0			0.67	1.8		29.8	15.3	21.9
24	1051	6.0			0.67	1.8		29.8	15.3	21.9
24	1051	7.0			0.67	1.8		29.8	15.3	21.9
24	1051	8.0			0.67	1.8		29.8	15.3	21.9
24	1051	9.0			0.68	1.8		29.8	15.3	21.9
24	1051	10.0			0.69	1.8		29.8	15.3	21.9
24	1051	11.0			0.69	1.9		29.8	15.3	21.9
23	1112	1.0			0.79	2.3	5.4	29.7	15.5	21.8
23	1112	2.0			0.79	2.3		29.7	15.5	21.8
23	1112	3.0			0.80	2.4		29.7	15.5	21.8
23	1112	4.0			0.80	2.4		29.7	15.5	21.8
23	1112	5.0			0.81	2.4		29.7	15.5	21.8
23	1112	6.0			0.80	2.4		29.7	15.5	21.8
23	1112	7.0			0.81	2.5		29.7	15.5	21.8
23	1112	8.0			0.83	2.5		29.7	15.5	21.8
23	1112	9.0			0.83	2.5		29.7	15.5	21.8
23	1112	10.0			0.83	2.5		29.7	15.5	21.8
23	1112	11.0			0.82	2.5		29.7	15.5	21.8
23	1112	12.0			0.82	2.5		29.7	15.5	21.8
23	1112	13.0			0.82	2.5		29.7	15.5	21.8
23	1112	14.0			0.81	2.5		29.7	15.5	21.8
23	1112	15.0			0.81	2.5		29.7	15.5	21.8
22	1140	1.0			0.66	1.7	3.0	29.6	14.5	21.9
22	1140	2.0			0.66	1.7		29.6	14.5	21.9
22	1140	3.0			0.66	1.7		29.7	14.5	22.0

LOCATION: South San Francisco Bay  
 DATE: May 2, 1988  
 JULIAN DAY: 88122

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22	1140	4.0			0.66	1.7		29.7	14.5	22.0
22	1140	5.0			0.68	1.8		29.8	14.5	22.0
22	1140	6.0			0.67	1.8		29.8	14.5	22.1
22	1140	7.0			0.67	1.8		29.8	14.5	22.1
22	1140	8.0			0.69	1.9		29.8	14.5	22.1
22	1140	9.0			0.69	1.9		29.8	14.4	22.1
22	1140	10.0			0.71	2.0		29.9	14.4	22.1
22	1140	11.0			0.73	2.1		29.9	14.4	22.1
22	1140	12.0			0.75	2.2		29.9	14.4	22.1
22	1140	13.0			0.76	2.2		29.9	14.4	22.1
22	1140	14.0			0.80	2.4		29.9	14.4	22.2
22	1140	15.0			0.82	2.5		29.9	14.4	22.2
22	1140	16.0			0.84	2.6		29.9	14.4	22.2
22	1140	17.0			0.86	2.7		29.9	14.4	22.2
22	1140	18.0			0.88	2.8		29.9	14.4	22.2
21	1158	1.0	1.5	0.19	0.68	1.8	2.7	29.9	14.4	22.2
21	1158	2.0			0.68	1.8		30.0	14.3	22.3
21	1158	3.0			0.68	1.8		30.1	14.3	22.3
21	1158	4.0			0.70	1.9		30.1	14.3	22.3
21	1158	5.0			0.72	2.0		30.1	14.2	22.3
21	1158	6.0			0.73	2.1		30.1	14.2	22.3
21	1158	7.0			0.74	2.1		30.1	14.2	22.3
21	1158	8.0			0.74	2.1		30.1	14.2	22.3
21	1158	9.0			0.75	2.2		30.1	14.2	22.3
21	1158	10.0			0.76	2.2		30.1	14.2	22.3
21	1158	11.0			0.75	2.1		30.1	14.2	22.3
21	1158	12.0			0.74	2.1		30.1	14.2	22.3
21	1158	13.0			0.73	2.1		30.1	14.2	22.3
21	1158	14.0			0.73	2.0		30.1	14.2	22.3
21	1158	15.0			0.72	2.0		30.1	14.2	22.3
21	1158	16.0			0.72	2.0		30.1	14.2	22.3
21	1158	17.0			0.77	2.2		30.1	14.2	22.3

Fluorometer Calibration:    n    r^2    A    B    Syx  
                                  6    0.72    -1.4    4.77    0.4

LOCATION: North San Francisco Bay  
DATE: May 3, 1988  
JULIAN DAY: 88123

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	625	1.0	5.3	0.59	0.75	5.2	2.5	0.1	15.6	0.0
657	625	2.0			0.75	5.2		0.1	15.6	0.0
657	625	3.0			0.74	5.1		0.1	15.6	0.0
657	625	4.0			0.74	5.2		0.1	15.6	0.0
657	625	5.0			0.74	5.1		0.1	15.6	0.0
657	625	6.0			0.74	5.2		0.1	15.6	0.0
657	625	7.0			0.75	5.2		0.1	15.6	0.0
657	625	8.0			0.77	5.8		0.1	15.6	0.0
657	625	9.0			0.77	6.0		0.1	15.6	0.0
657	625	10.0			0.77	6.0		0.1	15.6	0.0
657	625	11.0			0.76	5.8		0.1	15.6	0.0
649		1.0	8.1	0.61						
2		1.0	3.6	0.47						
3	715	1.0	3.2	0.54	0.62	1.7	3.0	2.3	16.0	0.7
3	715	2.0			0.62	1.7		2.4	16.1	0.8
3	715	3.0			0.62	1.6		2.9	16.2	1.1
3	715	4.0			0.62	1.7		2.9	16.3	1.1
3	715	5.0			0.63	1.9		2.9	16.3	1.2
3	715	6.0			0.63	1.9		3.0	16.3	1.2
3	715	7.0			0.63	2.0		3.1	16.3	1.3
3	715	8.0			0.64	2.2		3.1	16.3	1.3
3	715	9.0			0.64	2.2		3.2	16.3	1.4
3	715	10.0			0.63	1.9		3.2	16.3	1.4
3	715	11.0			0.62	1.7		3.3	16.3	1.4
3	715	12.0			0.62	1.5		3.3	16.3	1.4
3	715	13.0	1.9	0.21	0.62	1.5		3.3	16.3	1.4
4	819	1.0	0.0	0.00	0.56	0.0	8.1	4.7	16.1	2.5
4	819	2.0			0.56	0.0		4.7	16.1	2.5
4	819	3.0			0.56	0.0		4.8	16.1	2.6
4	819	4.0			0.57	0.1		4.9	16.1	2.7
4	819	5.0			0.57	0.2		5.0	16.1	2.8
4	819	6.0			0.58	0.5		5.0	16.1	2.8
4	819	7.0			0.58	0.5		5.1	16.1	2.9
4	819	8.0			0.59	0.6		5.2	16.1	2.9
4	819	9.0			0.59	0.7		5.3	16.1	3.0
4	819	10.0			0.58	0.6		5.3	16.1	3.0
4	819	11.0	1.1	0.14	0.58	0.3		5.3	16.1	3.0
5	835	1.0			0.58	0.6	7.9	5.8	16.0	3.4
5	835	2.0			0.58	0.6		5.8	16.0	3.4
5	835	3.0			0.59	0.7		5.9	16.0	3.5
5	835	4.0			0.59	0.8		5.9	16.0	3.5
5	835	5.0			0.59	0.8		6.0	16.0	3.5
5	835	6.0			0.60	0.9		6.0	16.0	3.6
5	835	7.0			0.60	1.0		6.1	16.0	3.6
5	835	8.0			0.60	1.0		6.1	16.0	3.6
5	835	9.0			0.60	1.2		6.1	16.0	3.6
5	835	10.0			0.61	1.2		6.1	16.0	3.6
5	835	11.0			0.60	1.1		6.1	16.0	3.6
5	835	12.0			0.60	1.1		6.1	16.0	3.6
6	850	1.0	0.5	0.08	0.60	1.0	4.6	7.1	15.8	4.4
6	850	2.0			0.60	1.0		7.1	15.8	4.4
6	850	3.0			0.60	1.0		7.1	15.8	4.4
6	850	4.0			0.60	1.1		7.2	15.8	4.5
6	850	5.0			0.60	1.1		7.2	15.8	4.5
6	850	6.0			0.61	1.2		7.4	15.8	4.6
6	850	7.0			0.61	1.2		7.5	15.8	4.7
6	850	8.0			0.61	1.4		7.8	15.8	5.0
6	850	9.0			0.62	1.5		8.0	15.8	5.1
6	850	10.0			0.61	1.4		8.1	15.8	5.2

LOCATION: North San Francisco Bay  
 DATE: May 3, 1988  
 JULIAN DAY: 88123

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
6	850	11.0	0.2	0.03	0.61	1.3		8.1	15.7	5.2
7	915	1.0			0.58	0.5	7.3	9.7	15.5	6.5
7	915	2.0			0.58	0.5		9.7	15.5	6.5
7	915	3.0			0.59	0.6		9.8	15.5	6.6
7	915	4.0			0.59	0.8		10.1	15.5	6.8
7	915	5.0			0.60	0.9		10.2	15.5	6.9
7	915	6.0			0.60	1.1		10.5	15.5	7.1
7	915	7.0			0.61	1.3		10.6	15.5	7.2
7	915	8.0			0.62	1.5		10.6	15.5	7.2
7	915	9.0			0.62	1.7		10.7	15.5	7.2
7	915	10.0			0.62	1.7		10.7	15.5	7.3
7	915	11.0			0.62	1.5		10.7	15.5	7.3
8	939	1.0	1.3	0.17	0.61	1.3	5.5	10.6	15.3	7.2
8	939	2.0			0.61	1.3		10.9	15.3	7.4
8	939	3.0			0.61	1.3		11.2	15.3	7.6
8	939	4.0			0.60	1.2		11.6	15.4	7.9
8	939	5.0			0.60	1.1		11.8	15.4	8.1
8	939	6.0			0.60	1.1		12.1	15.4	8.3
8	939	7.0			0.61	1.2		12.3	15.4	8.5
8	939	8.0			0.61	1.2		12.4	15.4	8.5
8	939	9.0			0.61	1.3		12.5	15.4	8.6
8	939	10.0			0.61	1.3		12.5	15.4	8.6
8	939	11.0			0.61	1.2		12.4	15.4	8.6
8	939	12.0			0.61	1.2		12.4	15.4	8.6
8	939	13.0			0.60	1.1		12.4	15.4	8.6
8	939	14.0			0.60	1.1		12.4	15.4	8.6
8	939	15.0	0.9	0.08	0.60	1.1		12.4	15.4	8.6
9	955	1.0	1.3	0.20	0.63	1.8	7.8	13.0	15.4	9.0
9	955	2.0			0.63	1.8		13.1	15.4	9.1
9	955	3.0			0.63	2.0		13.4	15.4	9.3
9	955	4.0			0.63	1.9		13.3	15.4	9.3
9	955	5.0			0.64	2.0		13.3	15.4	9.3
9	955	6.0			0.64	2.0		13.3	15.4	9.3
9	955	7.0			0.64	2.0		13.4	15.4	9.3
9	955	8.0			0.64	2.2		13.5	15.4	9.4
9	955	9.0			0.65	2.3		13.6	15.4	9.5
9	955	10.0			0.64	2.1		13.7	15.4	9.5
9	955	11.0			0.63	1.8		13.8	15.4	9.6
9	955	12.0			0.62	1.7		13.8	15.4	9.6
9	955	13.0			0.62	1.5		13.8	15.4	9.6
9	955	14.0			0.61	1.4		13.8	15.4	9.6
9	955	15.0			0.61	1.3		13.8	15.4	9.6
9	955	16.0			0.61	1.4		13.8	15.4	9.6
9	955	17.0			0.61	1.2		13.8	15.4	9.6
9	955	18.0			0.61	1.2		13.9	15.4	9.7
9	955	19.0			0.61	1.2		13.9	15.4	9.7
9	955	20.0			0.60	1.2		13.9	15.4	9.7
9	955	21.0			0.60	1.1		13.9	15.4	9.7
9	955	22.0			0.61	1.2		13.9	15.4	9.7
9	955	23.0			0.60	1.1		14.0	15.4	9.7
9	955	24.0			0.61	1.2		14.0	15.4	9.7
9	955	25.0			0.60	1.1		14.0	15.4	9.7
9	955	26.0			0.63	1.8		14.0	15.4	9.8
9	955	27.0			0.61	1.4		14.0	15.4	9.8
10	1005	1.0	0.8	0.10	0.61	1.4	8.5	13.7	15.4	9.6
10	1005	2.0			0.61	1.4		13.7	15.4	9.6
10	1005	3.0			0.61	1.4		13.8	15.4	9.6
10	1005	4.0			0.61	1.4		13.8	15.4	9.6
10	1005	5.0			0.62	1.5		13.9	15.4	9.7
10	1005	6.0			0.61	1.4		14.1	15.4	9.8
10	1005	7.0			0.62	1.6		14.2	15.4	9.9

LOCATION: North San Francisco Bay  
 DATE: May 3, 1988  
 JULIAN DAY: 88123

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
10	1005	8.0			0.62	1.6		14.3	15.4	10.0
10	1005	9.0			0.63	1.8		14.6	15.4	10.2
10	1005	10.0			0.62	1.6		15.0	15.5	10.5
10	1005	11.0			0.62	1.5		15.1	15.5	10.6
10	1005	12.0			0.61	1.4		15.4	15.5	10.8
10	1005	13.0			0.61	1.3		15.4	15.5	10.9
10	1005	14.0			0.61	1.2		15.5	15.5	10.9
10	1005	15.0			0.61	1.2		15.6	15.5	11.0
10	1005	16.0	1.1	0.09	0.60	1.1		15.6	15.5	11.0
14		1.0	1.5	0.24						
16		1.0	1.8	0.39						

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  12      0.79      -16.4      28.95      0.7

LOCATION: South San Francisco Bay  
 DATE: May 25, 1988  
 JULIAN DAY: 86146

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	BIGHT
32	810	1.0	1.6	0.31	0.70	2.0	2.5	29.2	18.7	20.7
32	810	2.0			0.70	2.0		29.2	18.7	20.7
32	810	3.0			0.70	2.0		29.2	18.7	20.7
32	810	4.0			0.70	2.0		29.2	18.7	20.7
32	810	5.0			0.71	2.1		29.2	18.7	20.7
32	810	6.0			0.72	2.1		29.2	18.7	20.7
32	810	7.0			0.73	2.2		29.2	18.7	20.7
32	810	8.0			0.73	2.2		29.2	18.7	20.7
32	810	9.0			0.74	2.2		29.2	18.7	20.7
32	810	10.0			0.74	2.2		29.2	18.7	20.7
32	810	11.0			0.72	2.1		29.2	18.7	20.7
32	810	12.0			0.72	2.1		29.2	18.6	20.7
32	810	13.0			0.71	2.1		29.3	18.6	20.7
32	810	14.0	1.8	0.26	0.71	2.1		29.3	18.6	20.7
31	826	1.0			0.68	1.9	1.8	29.3	18.4	20.8
31	826	2.0			0.68	1.9		29.3	18.4	20.8
31	826	3.0			0.67	1.8		29.3	18.4	20.8
31	826	4.0			0.67	1.8		29.3	18.4	20.8
31	826	5.0			0.66	1.8		29.3	18.4	20.8
31	826	6.0			0.66	1.8		29.3	18.4	20.8
31	826	7.0			0.67	1.8		29.3	18.4	20.9
31	826	8.0			0.67	1.8		29.3	18.4	20.9
31	826	9.0			0.67	1.8		29.3	18.4	20.9
31	826	10.0			0.66	1.8		29.3	18.4	20.9
31	826	11.0			0.66	1.7		29.3	18.4	20.9
31	826	12.0			0.65	1.7		29.3	18.4	20.9
31	826	13.0			0.65	1.7		29.3	18.4	20.9
31	826	14.0			0.65	1.7		29.3	18.4	20.9
30	847	1.0	1.2	0.27	0.67	1.8	1.8	29.5	18.1	21.0
30	847	2.0			0.67	1.8		29.5	18.1	21.0
30	847	3.0			0.67	1.8		29.5	18.1	21.0
30	847	4.0			0.67	1.8		29.5	18.1	21.0
30	847	5.0			0.66	1.8		29.5	18.1	21.0
30	847	6.0			0.66	1.8		29.5	18.1	21.0
30	847	7.0			0.66	1.8		29.5	18.1	21.0
30	847	8.0			0.66	1.8		29.5	18.1	21.1
30	847	9.0			0.66	1.8		29.5	18.1	21.1
30	847	10.0			0.66	1.7		29.5	18.1	21.1
30	847	11.0			0.65	1.7		29.5	18.1	21.1
30	847	12.0			0.64	1.6		29.5	18.1	21.1
30	847	13.0			0.64	1.7		29.5	18.1	21.1
30	847	14.0	1.7	0.14	0.63	1.6		29.5	18.1	21.1
29	916	1.0			0.67	1.8	1.7	29.7	18.0	21.2
29	916	2.0			0.67	1.8		29.7	17.9	21.2
29	916	3.0			0.67	1.8		29.7	17.9	21.2
29	916	4.0			0.66	1.8		29.7	17.9	21.2
29	916	5.0			0.65	1.7		29.7	17.9	21.2
29	916	6.0			0.65	1.7		29.7	17.9	21.2
29	916	7.0			0.65	1.7		29.7	17.9	21.2
29	916	8.0			0.65	1.7		29.7	17.8	21.3
29	916	9.0			0.65	1.7		29.8	17.8	21.3
29	916	10.0			0.64	1.7		29.8	17.7	21.4
29	916	11.0			0.63	1.6		29.8	17.7	21.4
29	916	12.0			0.63	1.6		29.8	17.7	21.4
29	916	13.0			0.62	1.5		29.9	17.6	21.4
29	916	14.0			0.64	1.6		29.9	17.6	21.4
29	916	15.0			0.65	1.7		29.9	17.6	21.4
28	933	1.0			0.66	1.8	2.1	29.7	18.0	21.2
28	933	2.0			0.66	1.8		29.7	18.0	21.2
28	933	3.0			0.66	1.8		29.7	18.0	21.2
28	933	4.0			0.66	1.8		29.7	18.0	21.2



LOCATION: South San Francisco Bay  
 DATE: May 25, 1988  
 JULIAN DAY: 88146

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
23	1057	6.0			0.62	1.6		30.6	15.8	22.4
23	1057	7.0			0.63	1.6		30.6	15.8	22.4
23	1057	8.0			0.63	1.6		30.6	15.8	22.4
23	1057	9.0			0.61	1.5		30.7	15.6	22.5
23	1057	10.0			0.58	1.3		30.8	15.4	22.6
23	1057	11.0			0.56	1.2		30.8	15.3	22.7
23	1057	12.0			0.55	1.1		30.8	15.3	22.7
23	1057	13.0			0.55	1.1		30.8	15.3	22.7
23	1057	14.0			0.55	1.1		30.8	15.3	22.7
23	1057	15.0			0.56	1.2		30.8	15.3	22.7
23	1057	16.0			0.56	1.2		30.8	15.3	22.7
23	1057	17.0			0.55	1.1		30.9	15.3	22.7
22	1115	1.0			0.65	1.7	1.2	30.6	16.1	22.3
22	1115	2.0			0.65	1.7		30.6	16.0	22.4
22	1115	3.0			0.66	1.8		30.6	15.9	22.4
22	1115	4.0			0.65	1.7		30.6	15.9	22.4
22	1115	5.0			0.64	1.7		30.7	15.9	22.4
22	1115	6.0			0.63	1.6		30.7	15.8	22.5
22	1115	7.0			0.61	1.5		30.8	15.6	22.6
22	1115	8.0			0.60	1.4		30.8	15.4	22.6
22	1115	9.0			0.59	1.3		30.8	15.4	22.7
22	1115	10.0			0.57	1.2		30.8	15.3	22.7
22	1115	11.0			0.55	1.1		30.9	15.3	22.7
22	1115	12.0			0.55	1.1		30.9	15.2	22.7
22	1115	13.0			0.57	1.2		30.9	15.2	22.8
22	1115	14.0			0.58	1.3		31.0	15.1	22.9
22	1115	15.0			0.58	1.3		31.0	15.0	22.9
22	1115	16.0			0.62	1.5		31.0	15.0	22.9
22	1115	17.0			0.63	1.6		31.1	15.0	22.9
22	1115	18.0			0.65	1.7		31.1	15.0	22.9
21	1127	1.0	2.4	0.52	0.64	1.7	1.3	30.7	15.9	22.5
21	1127	2.0			0.64	1.7		30.8	15.7	22.6
21	1127	3.0			0.65	1.7		30.8	15.6	22.6
21	1127	4.0			0.65	1.7		30.8	15.6	22.6
21	1127	5.0			0.66	1.8		30.8	15.5	22.6
21	1127	6.0			0.65	1.7		30.8	15.5	22.6
21	1127	7.0			0.65	1.7		30.8	15.5	22.6
21	1127	8.0			0.66	1.8		30.8	15.5	22.7
21	1127	9.0			0.66	1.8		30.8	15.4	22.7
21	1127	10.0			0.66	1.8		30.9	15.3	22.7
21	1127	11.0			0.66	1.8		30.9	15.2	22.8
21	1127	12.0			0.67	1.8		31.0	15.1	22.9
21	1127	13.0			0.68	1.9		31.0	15.0	22.9
21	1127	14.0			0.68	1.9		31.1	15.0	22.9
21	1127	15.0			0.69	1.9		31.1	14.9	23.0
21	1127	16.0			0.71	2.0		31.1	14.9	23.0
21	1127	17.0	2.1	0.29	0.73	2.2		31.1	14.8	23.0

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  10      0.24      -2.0      5.78      0.6

LOCATION: North San Francisco Bay  
DATE: May 26, 1988  
JULIAN DAY: 88147

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657	615	1.0	2.4	0.63	0.61	1.8	2.9	0.1	19.5	0.0
657	615	2.0			0.61	1.8		0.1	19.5	0.0
657	615	3.0			0.61	1.8		0.1	19.5	0.0
657	615	4.0			0.61	1.8		0.1	19.5	0.0
657	615	5.0			0.61	1.9		0.1	19.5	0.0
657	615	6.0			0.61	1.9		0.1	19.5	0.0
657	615	7.0			0.63	2.0		0.1	19.5	0.0
657	615	8.0			0.63	2.0		0.1	19.5	0.0
657	615	9.0			0.63	2.1		0.1	19.5	0.0
657	615	10.0	3.0	0.56	0.63	2.1		0.1	19.5	0.0
655		1.0	7.3	0.71						
653	652	1.0	9.4	0.64	1.34	10.9	3.5	0.2	18.9	0.0
653	652	2.0			1.34	10.9		0.2	18.9	0.0
653	652	3.0			1.29	10.2		0.2	18.9	0.0
653	652	4.0			1.33	10.8		0.2	18.9	0.0
653	652	5.0			1.27	9.9		0.2	18.9	0.0
653	652	6.0			1.26	9.9		0.2	18.9	0.0
653	652	7.0	11.2	0.71	1.24	9.6		0.2	18.9	0.0
2	747	1.0	5.9	0.53	0.85	4.8	4.0	1.8	19.3	0.0
2	747	2.0			0.85	4.8		1.9	19.3	0.0
2	747	3.0			0.86	4.9		1.9	19.3	0.0
2	747	4.0			0.86	5.0		2.0	19.1	0.0
2	747	5.0			0.86	4.9		2.2	19.1	0.0
2	747	6.0			0.85	4.8		2.5	19.2	0.3
2	747	7.0			0.83	4.6		2.8	19.2	0.5
2	747	8.0			0.82	4.4		3.1	19.2	0.7
2	747	9.0			0.80	4.2		3.2	19.2	0.8
2	747	10.0			0.79	4.1		3.2	19.2	0.8
3	801	1.0			0.80	4.2	5.3	2.3	19.2	0.1
3	801	2.0			0.80	4.2		2.3	19.2	0.1
3	801	3.0			0.81	4.2		2.3	19.2	0.1
3	801	4.0			0.82	4.4		2.4	19.2	0.2
3	801	5.0			0.84	4.6		2.5	19.2	0.3
3	801	6.0			0.82	4.4		2.7	19.2	0.5
3	801	7.0			0.82	4.4		2.9	19.2	0.6
3	801	8.0			0.80	4.2		3.0	19.2	0.7
3	801	9.0			0.79	4.0		3.2	19.1	0.8
3	801	10.0			0.77	3.8		3.3	19.1	0.9
3	801	11.0			0.75	3.6		3.4	19.1	1.0
3	801	12.0			0.74	3.5		3.4	19.0	1.0
4	828	1.0	2.7	0.42	0.65	2.3	3.0	3.7	19.0	1.2
4	828	2.0			0.65	2.3		3.7	19.0	1.2
4	828	3.0			0.65	2.3		3.6	19.0	1.2
4	828	4.0			0.65	2.4		3.7	19.0	1.3
4	828	5.0			0.67	2.6		4.1	18.9	1.6
4	828	6.0			0.68	2.7		4.2	18.8	1.7
4	828	7.0			0.69	2.9		4.3	18.7	1.8
4	828	8.0			0.70	3.0		4.7	18.2	2.2
4	828	9.0			0.71	3.1		4.9	18.0	2.3
4	828	10.0	1.9	0.21	0.72	3.2		5.1	17.8	2.5
5	846	1.0	1.6	0.30	0.61	1.8	3.7	5.3	18.8	2.5
5	846	2.0			0.61	1.8		5.3	18.8	2.5
5	846	3.0			0.61	1.8		5.3	18.8	2.5
5	846	4.0			0.62	1.9		5.3	18.8	2.5
5	846	5.0			0.62	2.0		5.4	18.8	2.5
5	846	6.0			0.62	1.9		5.4	18.8	2.6
5	846	7.0			0.62	2.0		5.4	18.8	2.6
5	846	8.0			0.62	2.0		5.5	18.8	2.6
5	846	9.0			0.62	2.0		5.6	18.8	2.7

LOCATION: North San Francisco Bay  
DATE: May 26, 1988  
JULIAN DAY: 88147

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	BIGHT
5	846	10.0			0.62	1.9		5.9	18.8	2.9
5	846	11.0			0.61	1.9		6.2	18.8	3.1
5	846	12.0			0.61	1.8		6.8	18.8	3.6
5	846	13.0	1.2	0.19	0.61	1.8		7.5	18.7	4.2
6	910	1.0			0.60	1.7	3.0	7.9	18.6	4.5
6	910	2.0			0.60	1.7		8.1	18.5	4.7
6	910	3.0			0.60	1.7		8.2	18.5	4.8
6	910	4.0			0.60	1.7		8.5	18.4	5.0
6	910	5.0			0.60	1.7		8.7	18.4	5.1
6	910	6.0			0.61	1.8		8.9	18.5	5.2
6	910	7.0			0.60	1.7		9.0	18.6	5.4
6	910	8.0			0.60	1.7		9.2	18.5	5.5
6	910	9.0			0.60	1.7		9.4	18.5	5.7
6	910	10.0			0.59	1.6		9.7	18.5	5.9
6	910	11.0			0.60	1.6		9.9	18.5	6.1
6	910	12.0			0.60	1.7		10.0	18.5	6.1
7	940	1.0	1.3	0.36	0.59	1.6	2.6	12.0	18.2	7.7
7	940	2.0			0.59	1.6		12.5	18.3	8.0
7	940	3.0			0.58	1.5		13.0	18.2	8.5
7	940	4.0			0.58	1.4		14.0	18.2	9.3
7	940	5.0			0.58	1.5		14.2	18.1	9.4
7	940	6.0			0.58	1.5		14.4	18.1	9.5
7	940	7.0			0.59	1.6		15.0	18.1	10.0
7	940	8.0			0.60	1.7		15.2	18.1	10.1
7	940	9.0			0.61	1.8		15.6	18.1	10.5
7	940	10.0			0.61	1.8		16.0	18.2	10.8
7	940	11.0			0.60	1.8		16.2	18.2	10.9
7	940	12.0			0.60	1.7		16.3	18.2	11.0
7	940	13.0			0.60	1.7		16.3	18.2	11.0
7	940	14.0			0.61	1.9		16.3	18.2	11.0
7	940	15.0	1.1	0.13	0.63	2.1		16.3	18.2	11.0
8	1010	1.0			0.58	1.4	2.5	15.4	18.1	10.3
8	1010	2.0			0.58	1.4		15.9	18.2	10.7
8	1010	3.0			0.57	1.3		16.2	18.2	10.9
8	1010	4.0			0.55	1.1		16.6	18.1	11.2
8	1010	5.0			0.55	1.1		17.6	18.0	12.0
8	1010	6.0			0.56	1.2		18.1	18.0	12.4
8	1010	7.0			0.58	1.4		18.3	18.0	12.5
8	1010	8.0			0.59	1.6		18.4	18.0	12.6
8	1010	9.0			0.62	1.9		18.7	18.0	12.8
8	1010	10.0			0.64	2.2		18.9	18.0	13.0
8	1010	11.0			0.65	2.4		19.0	18.0	13.1
8	1010	12.0			0.66	2.5		19.0	18.0	13.1
8	1010	13.0			0.67	2.6		19.0	18.0	13.1
9	1033	1.0			0.51	0.6	2.6	18.8	18.0	12.9
9	1033	2.0			0.51	0.6		19.1	18.0	13.1
9	1033	3.0			0.50	0.5		19.3	18.0	13.3
9	1033	4.0			0.50	0.5		19.5	18.0	13.5
9	1033	5.0			0.50	0.5		19.6	17.9	13.6
9	1033	6.0			0.50	0.5		19.8	17.9	13.7
9	1033	7.0			0.50	0.5		19.9	17.9	13.7
9	1033	8.0			0.50	0.5		19.9	17.9	13.8
9	1033	9.0			0.50	0.5		19.9	17.9	13.8
9	1033	10.0			0.49	0.4		20.0	17.9	13.8
9	1033	11.0			0.49	0.3		20.0	17.9	13.8
9	1033	12.0			0.49	0.3		20.0	17.9	13.9
9	1033	13.0			0.49	0.4		20.1	17.9	13.9
9	1033	14.0			0.49	0.4		20.2	17.9	14.0
9	1033	15.0			0.50	0.5		20.3	17.9	14.1
9	1033	16.0			0.50	0.4		20.6	17.9	14.3
9	1033	17.0			0.50	0.5		20.7	17.9	14.4

LOCATION: North San Francisco Bay  
 DATE: May 26, 1988  
 JULIAN DAY: 88147

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9	1033	18.0			0.53	0.9		20.9	17.9	14.5
9	1033	19.0			0.55	1.0		20.9	17.9	14.5
9	1033	20.0			0.56	1.2		20.9	17.9	14.5
9	1033	21.0			0.57	1.3		20.9	17.9	14.5
10	1052	1.0	1.1	0.40	0.52	0.7	2.4	20.1	18.0	13.9
10	1052	2.0			0.52	0.7		20.1	18.0	13.9
10	1052	3.0			0.52	0.7		20.1	18.0	13.9
10	1052	4.0			0.52	0.7		20.2	18.0	13.9
10	1052	5.0			0.53	0.8		20.2	18.0	13.9
10	1052	6.0			0.52	0.7		20.5	17.8	14.2
10	1052	7.0			0.52	0.7		20.8	17.8	14.5
10	1052	8.0			0.51	0.6		21.3	17.7	14.9
10	1052	9.0			0.51	0.6		21.5	17.6	15.1
10	1052	10.0			0.51	0.6		21.6	17.7	15.1
10	1052	11.0			0.50	0.5		21.7	17.7	15.2
10	1052	12.0			0.50	0.5		21.8	17.6	15.3
10	1052	13.0			0.50	0.5		22.2	17.5	15.6
10	1052	14.0			0.52	0.7		22.4	17.5	15.7
10	1052	15.0			0.54	1.0		22.5	17.4	15.9
10	1052	16.0			0.55	1.1		22.6	17.4	15.9
10	1052	17.0			0.56	1.3		22.6	17.4	16.0
10	1052	18.0	1.4	0.18	0.57	1.4		22.6	17.4	16.0

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  13      0.92      -5.7      12.36      1.0

LOCATION: South San Francisco Bay  
 DATE: June 22, 1988  
 JULIAN DAY: 88173

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32	822	1.0	4.0	0.63	0.84	3.8	2.0	30.4	20.7	21.1
32	822	2.0			0.84	3.8		30.4	20.7	21.1
32	822	3.0			0.84	3.8		30.4	20.7	21.1
32	822	4.0			0.83	3.8		30.4	20.7	21.1
32	822	5.0			0.83	3.7		30.4	20.7	21.1
32	822	6.0			0.83	3.8		30.4	20.7	21.1
32	822	7.0			0.83	3.8		30.4	20.7	21.1
32	822	8.0			0.84	3.8		30.4	20.7	21.1
32	822	9.0			0.83	3.8		30.4	20.7	21.1
32	822	10.0			0.83	3.7		30.4	20.7	21.1
32	822	11.0			0.82	3.7		30.4	20.6	21.1
32	822	12.0			0.82	3.7		30.4	20.6	21.1
32	822	13.0	3.6	0.56	0.82	3.7		30.4	20.6	21.1
31	839	1.0			0.78	3.4	2.5	30.4	20.5	21.1
31	839	2.0			0.78	3.4		30.4	20.5	21.1
31	839	3.0			0.77	3.4		30.4	20.5	21.1
31	839	4.0			0.77	3.4		30.4	20.5	21.1
31	839	5.0			0.79	3.5		30.4	20.5	21.1
31	839	6.0			0.79	3.5		30.4	20.5	21.1
31	839	7.0			0.80	3.5		30.4	20.5	21.1
30	858	1.0	4.2	0.68	0.83	3.8	1.9	30.5	20.5	21.2
30	858	2.0			0.83	3.8		30.5	20.4	21.2
30	858	3.0			0.80	3.6		30.5	20.4	21.2
30	858	4.0			0.79	3.5		30.5	20.3	21.2
30	858	5.0			0.79	3.5		30.5	20.3	21.2
30	858	6.0			0.79	3.5		30.5	20.3	21.2
30	858	7.0			0.79	3.5		30.5	20.2	21.3
30	858	8.0			0.79	3.5		30.5	20.2	21.3
30	858	9.0			0.79	3.5		30.5	20.2	21.3
30	858	10.0			0.79	3.5		30.5	20.2	21.3
30	858	11.0			0.78	3.4		30.5	20.2	21.3
30	858	12.0			0.78	3.4		30.5	20.1	21.3
30	858	13.0			0.79	3.5		30.5	20.1	21.3
30	858	14.0			0.82	3.7		30.5	20.1	21.3
30	858	15.0			0.84	3.8		30.5	20.1	21.3
29	924	1.0	4.5	0.73	0.81	3.6	1.8	30.5	20.2	21.3
29	924	2.0			0.81	3.6		30.5	20.0	21.4
29	924	3.0			0.79	3.5		30.5	20.0	21.4
29	924	4.0			0.79	3.5		30.5	20.0	21.4
29	924	5.0			0.79	3.5		30.5	20.0	21.4
29	924	6.0			0.80	3.6		30.5	20.0	21.4
29	924	7.0			0.81	3.6		30.5	20.0	21.4
29	924	8.0			0.81	3.6		30.5	20.0	21.4
29	924	9.0			0.81	3.6		30.5	20.0	21.4
29	924	10.0			0.81	3.6		30.5	20.0	21.4
29	924	11.0			0.81	3.6		30.5	20.0	21.4
29	924	12.0			0.81	3.6		30.5	20.0	21.4
29	924	13.0			0.85	3.9		30.5	20.0	21.4
29	924	14.0	3.9	0.42	0.92	4.3		30.5	19.9	21.4
28	939	1.0			0.77	3.3	1.6	30.5	20.0	21.4
28	939	2.0			0.77	3.3		30.5	19.8	21.4
28	939	3.0			0.75	3.2		30.5	19.8	21.4
28	939	4.0			0.74	3.1		30.6	19.8	21.4
28	939	5.0			0.74	3.1		30.6	19.8	21.4
28	939	6.0			0.74	3.1		30.6	19.8	21.4
28	939	7.0			0.75	3.2		30.6	19.8	21.5
28	939	8.0			0.76	3.3		30.6	19.8	21.5
28	939	9.0			0.77	3.3		30.6	19.8	21.5
28	939	10.0			0.76	3.3		30.6	19.7	21.5
28	939	11.0			0.74	3.2		30.6	19.7	21.5
28	939	12.0			0.74	3.1		30.6	19.7	21.5

LOCATION: South San Francisco Bay  
DATE: June 22, 1988  
JULIAN DAY: 86173

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	939	13.0			0.76	3.3		30.7	19.7	21.5
28	939	14.0			0.77	3.3		30.7	19.7	21.5
28	939	15.0			0.81	3.6		30.7	19.7	21.6
27	958	1.0	3.2	0.67	0.72	3.1	1.7	30.5	20.0	21.4
27	958	2.0			0.72	3.1		30.5	19.8	21.4
27	958	3.0			0.70	2.9		30.6	19.7	21.5
27	958	4.0			0.71	2.9		30.6	19.7	21.5
27	958	5.0			0.71	2.9		30.6	19.7	21.5
27	958	6.0			0.71	3.0		30.6	19.7	21.5
27	958	7.0			0.71	3.0		30.6	19.7	21.5
27	958	8.0			0.72	3.0		30.6	19.7	21.5
27	958	9.0			0.73	3.1		30.7	19.5	21.6
27	958	10.0			0.74	3.1		30.7	19.4	21.6
27	958	11.0			0.75	3.2		30.7	19.4	21.6
27	958	12.0	3.2	0.44	0.76	3.3		30.7	19.4	21.6
26	1012	1.0	3.2	0.57	0.79	3.5	2.0	30.6	20.1	21.4
26	1012	2.0			0.79	3.5		30.6	19.9	21.4
26	1012	3.0			0.77	3.4		30.6	19.7	21.5
26	1012	4.0			0.76	3.3		30.6	19.6	21.5
26	1012	5.0			0.74	3.2		30.6	19.5	21.5
26	1012	6.0			0.73	3.1		30.6	19.5	21.6
26	1012	7.0			0.73	3.1		30.7	19.2	21.7
26	1012	8.0			0.73	3.1		30.8	18.8	21.9
26	1012	9.0			0.75	3.3		30.9	18.7	21.9
26	1012	10.0	3.3	0.33	0.77	3.3		30.9	18.6	22.0
25	1030	1.0	2.9	0.61	0.71	2.9	1.4	30.7	20.2	21.4
25	1030	2.0			0.71	2.9		30.7	19.3	21.7
25	1030	3.0			0.68	2.8		30.8	18.9	21.8
25	1030	4.0			0.67	2.7		30.8	18.7	21.9
25	1030	5.0			0.66	2.6		30.9	18.5	22.0
25	1030	6.0			0.65	2.6		30.9	18.4	22.1
25	1030	7.0			0.65	2.6		30.9	18.3	22.1
25	1030	8.0	2.1	0.36	0.66	2.6		30.9	18.2	22.1
24	1045	1.0	2.9	0.61	0.65	2.6	1.6	31.1	18.0	22.3
24	1045	2.0			0.65	2.6		31.2	17.7	22.4
24	1045	3.0			0.63	2.5		31.2	17.5	22.5
24	1045	4.0			0.62	2.4		31.2	17.5	22.5
24	1045	5.0			0.62	2.4		31.2	17.5	22.5
24	1045	6.0			0.61	2.3		31.2	17.4	22.5
24	1045	7.0			0.61	2.3		31.2	17.4	22.5
24	1045	8.0			0.61	2.4		31.2	17.4	22.5
24	1045	9.0			0.62	2.4		31.2	17.4	22.5
24	1045	10.0			0.62	2.4		31.2	17.4	22.5
24	1045	11.0	2.2	0.40	0.61	2.3		31.2	17.4	22.5
23	1108	1.0	2.6	0.64	0.68	2.8	1.2	31.1	18.4	22.2
23	1108	2.0			0.68	2.8		31.2	18.0	22.4
23	1108	3.0			0.69	2.9		31.3	17.6	22.5
23	1108	4.0			0.68	2.8		31.3	17.3	22.6
23	1108	5.0			0.66	2.7		31.3	17.2	22.6
23	1108	6.0			0.64	2.5		31.3	17.2	22.6
23	1108	7.0			0.63	2.4		31.3	17.1	22.6
23	1108	8.0			0.61	2.3		31.3	17.1	22.6
23	1108	9.0			0.60	2.3		31.3	17.0	22.7
23	1108	10.0			0.59	2.2		31.3	17.0	22.7
23	1108	11.0			0.56	2.0		31.3	17.0	22.7
23	1108	12.0			0.55	1.9		31.3	17.0	22.7
23	1108	13.0			0.54	1.9		31.3	17.0	22.7
23	1108	14.0			0.53	1.8		31.3	17.0	22.7
23	1108	15.0			0.53	1.8		31.3	17.0	22.7
23	1108	16.0			0.52	1.7		31.3	17.0	22.7

LOCATION: South San Francisco Bay  
 DATE: June 22, 1968  
 JULIAN DAY: 88173

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
23	1108	17.0								
23	1108	18.0	1.6	0.24	0.53	1.6		31.3	17.0	22.7
					0.53	1.6		31.3	17.0	22.7
22	1126	1.0								
22	1126	2.0			0.71	3.0	1.3	31.0	19.1	21.9
22	1126	3.0			0.71	3.0		31.1	18.4	22.2
22	1126	4.0			0.67	2.7		31.2	17.7	22.4
22	1126	5.0			0.64	2.5		31.2	17.5	22.5
22	1126	6.0			0.61	2.4		31.2	17.3	22.5
22	1126	7.0			0.59	2.2		31.3	17.0	22.7
22	1126	8.0			0.56	2.0		31.4	16.8	22.8
22	1126	9.0			0.54	1.9		31.4	16.7	22.8
22	1126	10.0			0.53	1.8		31.4	16.7	22.8
22	1126	11.0			0.51	1.7		31.4	16.6	22.9
22	1126	12.0			0.51	1.7		31.4	16.6	22.9
22	1126	13.0			0.51	1.7		31.4	16.6	22.9
22	1126	14.0			0.51	1.6		31.4	16.5	22.9
22	1126	15.0			0.50	1.6		31.4	16.5	22.9
22	1126	16.0			0.50	1.6		31.4	16.5	22.9
22	1126	17.0			0.50	1.6		31.4	16.5	22.9
21	1138	1.0	2.5	0.61	0.71	2.9	1.3	31.0	19.3	21.9
21	1138	2.0			0.71	2.9		31.2	18.4	22.2
21	1138	3.0			0.71	3.0		31.1	18.1	22.3
21	1138	4.0			0.67	2.7		31.2	17.5	22.5
21	1138	5.0			0.64	2.5		31.2	17.3	22.6
21	1138	6.0			0.61	2.3		31.3	17.1	22.7
21	1138	7.0			0.58	2.1		31.4	16.9	22.8
21	1138	8.0			0.56	2.0		31.4	16.8	22.9
21	1138	9.0			0.55	1.9		31.5	16.6	22.9
21	1138	10.0			0.53	1.8		31.5	16.5	22.9
21	1138	11.0			0.53	1.8		31.5	16.5	22.9
21	1138	12.0			0.52	1.7		31.5	16.4	23.0
21	1138	13.0			0.52	1.7		31.5	16.4	23.0
21	1138	14.0			0.51	1.7		31.5	16.4	23.0
21	1138	15.0			0.52	1.8		31.5	16.4	23.0
21	1138	16.0			0.52	1.7		31.5	16.4	23.0
21	1138	17.0			0.52	1.7		31.5	16.4	23.0
21	1138	18.0	2.1	0.39	0.51	1.7		31.5	16.4	23.0

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  17    0.77    -1.6    6.48    0.4

LOCATION: North San Francisco Bay  
 DATE: June 23, 1988  
 JULIAN DAY: 88174

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	816	1.0	1.8	0.53	0.52	1.6	2.7	0.1	22.4	0.0
657	816	2.0			0.52	1.6		0.1	22.5	0.0
657	816	3.0			0.52	1.6		0.1	22.5	0.0
657	816	4.0			0.51	1.6		0.1	22.5	0.0
657	816	5.0			0.52	1.6		0.1	22.5	0.0
657	816	6.0	1.2	0.29	0.52	1.7		0.1	22.5	0.0
655	645	1.0			0.57	1.9	2.7	0.1	22.3	0.0
655	645	2.0			0.57	1.9		0.1	22.3	0.0
655	645	3.0			0.57	1.9		0.1	22.3	0.0
655	645	4.0			0.57	1.9		0.1	22.3	0.0
655	645	5.0			0.58	1.9		0.1	22.3	0.0
655	645	6.0			0.59	1.9		0.1	22.3	0.0
655	645	7.0			0.59	2.0		0.1	22.3	0.0
653	703	1.0	2.2	0.48	0.65	2.2	3.0	0.2	21.8	0.0
653	703	2.0			0.65	2.2		0.2	21.7	0.0
653	703	3.0			0.64	2.2		0.2	21.7	0.0
653	703	4.0			0.65	2.2		0.2	21.7	0.0
653	703	5.0			0.66	2.3		0.2	21.7	0.0
653	703	6.0			0.66	2.3		0.2	21.7	0.0
653	703	7.0			0.67	2.3		0.2	21.7	0.0
653	703	8.0			0.67	2.3		0.2	21.7	0.0
653	703	9.0			0.67	2.4		0.2	21.6	0.0
651	722	1.0	2.6	0.47	0.72	2.6	3.6	0.3	21.1	0.0
651	722	2.0			0.72	2.6		0.3	21.1	0.0
651	722	3.0			0.72	2.6		0.3	21.0	0.0
651	722	4.0			0.73	2.6		0.3	21.0	0.0
651	722	5.0			0.73	2.6		0.4	21.0	0.0
651	722	6.0			0.73	2.6		0.4	20.9	0.0
651	722	7.0			0.74	2.6		0.4	20.9	0.0
651	722	8.0			0.73	2.6		0.4	20.8	0.0
649	742	1.0	2.1	0.34	0.74	2.7	3.8	0.9	20.5	0.0
649	742	2.0			0.74	2.7		1.0	20.7	0.0
649	742	3.0			0.74	2.7		1.2	20.7	0.0
649	742	4.0			0.77	2.8		1.3	20.8	0.0
649	742	5.0			0.77	2.8		1.5	20.8	0.0
649	742	6.0			0.77	2.8		1.6	20.8	0.0
649	742	7.0			0.77	2.8		1.7	20.8	0.0
649	742	8.0			0.75	2.7		1.7	20.8	0.0
649	742	9.0			0.74	2.7		1.9	20.8	0.0
649	742	10.0	2.9	0.44	0.73	2.6		2.0	20.8	0.0
2	804	1.0	2.7	0.48	0.66	2.3	3.0	2.4	21.0	0.0
2	804	2.0			0.66	2.3		2.6	21.3	0.0
2	804	3.0			0.67	2.3		2.7	21.4	0.0
2	804	4.0			0.68	2.4		2.8	21.5	0.0
2	804	5.0			0.69	2.4		2.9	21.5	0.1
2	804	6.0			0.70	2.5		2.9	21.5	0.1
2	804	7.0			0.70	2.5		2.9	21.5	0.1
2	804	8.0			0.70	2.5		3.0	21.4	0.2
2	804	9.0			0.70	2.5		3.4	21.2	0.5
2	804	10.0			0.68	2.4		4.0	21.1	1.0
2	804	11.0			0.66	2.3		4.3	21.1	1.2
3	822	1.0			0.65	2.2	3.4	3.1	21.0	0.4
3	822	2.0			0.65	2.2		3.1	21.0	0.4
3	822	3.0			0.65	2.2		3.2	21.0	0.4
3	822	4.0			0.64	2.2		3.2	21.0	0.4
3	822	5.0			0.64	2.2		3.5	21.1	0.6
3	822	6.0			0.63	2.2		3.8	21.1	0.9
3	822	7.0			0.63	2.2		3.9	21.1	1.0
3	822	8.0			0.63	2.1		4.1	21.1	1.1



LOCATION: North San Francisco Bay  
 DATE: June 23, 1988  
 JULIAN DAY: 88174

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
3	822	9.0			0.63	2.1		4.4	21.0	1.3
3	822	10.0			0.62	2.1		4.5	21.0	1.4
3	822	11.0			0.65	2.2		5.2	20.9	1.9
3	822	12.0			0.69	2.4		5.2	20.8	2.0
4	848	1.0	1.8	0.42	0.56	1.8	2.9	5.2	21.0	1.9
4	848	2.0			0.56	1.8		5.2	21.0	2.0
4	848	3.0			0.56	1.8		5.3	21.0	2.0
4	848	4.0			0.56	1.8		5.3	20.9	2.0
4	848	5.0			0.56	1.8		5.4	20.9	2.1
4	848	6.0			0.57	1.9		6.0	20.9	2.6
4	848	7.0			0.58	1.9		6.2	21.0	2.7
4	848	8.0			0.59	1.9		6.4	21.0	2.8
4	848	9.0			0.60	2.0		6.7	20.9	3.1
4	848	10.0			0.60	2.0		6.9	20.9	3.3
4	848	11.0			0.60	2.0		7.0	20.9	3.3
4	848	12.0	1.8	0.24	0.60	2.0		7.0	20.9	3.3
5	950	1.0			0.55	1.8	2.4	6.7	21.0	3.1
5	950	2.0			0.55	1.8		7.3	20.9	3.6
5	950	3.0			0.54	1.8		8.0	20.6	4.2
5	950	4.0			0.55	1.8		8.2	20.7	4.3
5	950	5.0			0.54	1.8		8.6	20.7	4.6
5	950	6.0			0.55	1.8		9.2	20.7	5.0
5	950	7.0			0.55	1.8		9.5	20.6	5.3
5	950	8.0			0.56	1.8		9.7	20.6	5.5
5	950	9.0			0.57	1.9		9.8	20.6	5.5
5	950	10.0			0.58	1.9		9.9	20.6	5.6
5	950	11.0			0.58	1.9		10.0	20.6	5.6
6	1017	1.0	3.0	0.51	0.57	1.9	2.2	10.6	20.7	6.1
6	1017	2.0			0.57	1.9		10.6	20.6	6.1
6	1017	3.0			0.56	1.8		10.8	20.5	6.3
6	1017	4.0			0.55	1.8		10.9	20.5	6.4
6	1017	5.0			0.55	1.8		11.0	20.4	6.4
6	1017	6.0			0.54	1.7		11.5	20.3	6.8
6	1017	7.0			0.55	1.8		11.9	20.3	7.1
6	1017	8.0			0.55	1.8		12.0	20.3	7.2
6	1017	9.0			0.56	1.8		12.4	20.2	7.6
6	1017	10.0	1.8	0.46	0.56	1.8		12.7	20.2	7.8
7	1052	1.0			0.56	1.8	2.0	14.2	20.2	9.0
7	1052	2.0			0.56	1.8		14.4	20.0	9.1
7	1052	3.0			0.54	1.7		14.9	19.8	9.6
7	1052	4.0			0.52	1.7		15.4	19.6	10.0
7	1052	5.0			0.51	1.6		16.2	19.5	10.6
7	1052	6.0			0.50	1.6		17.0	19.5	11.2
7	1052	7.0			0.50	1.5		17.3	19.5	11.5
7	1052	8.0			0.50	1.5		17.6	19.5	11.6
7	1052	9.0			0.50	1.6		17.7	19.5	11.7
7	1052	10.0			0.50	1.6		17.8	19.5	11.8
7	1052	11.0			0.50	1.6		17.8	19.5	11.8
7	1052	12.0			0.50	1.6		17.9	19.5	11.9
7	1052	13.0			0.50	1.6		17.9	19.5	11.9
8	1115	1.0	1.6	0.54	0.49	1.5	2.0	17.2	19.7	11.3
8	1115	2.0			0.49	1.5		19.0	19.4	12.7
8	1115	3.0			0.47	1.4		19.2	19.4	12.9
8	1115	4.0			0.47	1.4		19.3	19.3	13.0
8	1115	5.0			0.46	1.4		19.4	19.4	13.1
8	1115	6.0			0.47	1.4		19.7	19.4	13.3
8	1115	7.0			0.47	1.4		20.3	19.4	13.7
8	1115	8.0			0.48	1.5		20.5	19.4	13.9
8	1115	9.0			0.48	1.5		20.6	19.4	14.0
8	1115	10.0			0.49	1.5		20.7	19.4	14.1

LOCATION: North San Francisco Bay  
 DATE: June 23, 1988  
 JULIAN DAY: 88174

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
8	1115	11.0			0.49	1.5		20.9	19.4	14.2
8	1115	12.0			0.50	1.5		21.0	19.4	14.3
9	1247	1.0			0.56	1.8	2.0	16.6	20.2	10.8
9	1247	2.0			0.56	1.8		16.8	20.0	10.9
9	1247	3.0			0.55	1.8		17.1	19.9	11.2
9	1247	4.0			0.55	1.8		17.2	19.9	11.3
9	1247	5.0			0.53	1.7		17.7	19.6	11.7
9	1247	6.0			0.51	1.6		19.1	19.4	12.9
9	1247	7.0			0.49	1.5		20.2	19.3	13.6
9	1247	8.0			0.48	1.5		20.8	19.3	14.2
9	1247	9.0			0.48	1.5		21.1	19.3	14.4
9	1247	10.0			0.47	1.4		21.2	19.3	14.4
9	1247	11.0			0.45	1.3		21.3	19.3	14.5
9	1247	12.0			0.44	1.3		21.4	19.3	14.6
9	1247	13.0			0.44	1.3		21.5	19.3	14.7
9	1247	14.0			0.43	1.2		21.8	19.3	14.9
9	1247	15.0			0.44	1.3		21.9	19.3	15.0
9	1247	16.0			0.44	1.3		22.1	19.3	15.1
9	1247	17.0			0.46	1.4		22.3	19.3	15.3
9	1247	18.0			0.47	1.4		22.4	19.3	15.3
9	1247	19.0			0.48	1.4		22.5	19.2	15.5
9	1247	20.0			0.48	1.5		22.6	19.2	15.5
10	1258	1.0	1.1	0.42	0.54	1.7	1.6	18.6	20.1	12.3
10	1258	2.0			0.54	1.7		18.8	19.9	12.5
10	1258	3.0			0.52	1.7		19.0	19.7	12.7
10	1258	4.0			0.51	1.6		19.4	19.4	13.0
10	1258	5.0			0.49	1.5		20.2	19.3	13.7
10	1258	6.0			0.48	1.5		21.0	19.3	14.3
10	1258	7.0			0.48	1.5		21.2	19.3	14.5
10	1258	8.0			0.49	1.5		21.8	19.3	14.9
10	1258	9.0			0.48	1.5		22.0	19.3	15.1
10	1258	10.0			0.49	1.5		22.5	19.2	15.4
10	1258	11.0			0.49	1.5		22.7	19.2	15.6
10	1258	12.0			0.49	1.5		23.0	19.1	15.8
10	1258	13.0			0.49	1.5		23.2	19.0	16.0
10	1258	14.0			0.49	1.5		23.3	19.0	16.1
10	1258	15.0			0.50	1.5		23.3	19.0	16.1
10	1258	16.0			0.50	1.5		23.4	19.0	16.2
10	1258	17.0			0.50	1.5		23.6	18.9	16.4

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  13    0.44    -0.7    4.59    0.5

LOCATION: South San Francisco Bay  
 DATE: July 6, 1988  
 JULIAN DAY: 88188

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32	805	1.0	2.8	0.48	0.78	3.0	2.6	31.0	19.9	21.8
32	805	2.0			0.78	3.0		31.0	19.9	21.8
32	805	3.0			0.78	3.0		31.0	19.9	21.8
32	805	4.0			0.78	3.0		31.0	19.9	21.8
32	805	5.0			0.78	3.0		31.0	19.9	21.8
32	805	6.0			0.79	3.0		31.0	19.9	21.8
32	805	7.0			0.79	3.0		31.0	19.9	21.8
32	805	8.0			0.79	3.0		31.0	19.9	21.8
32	805	9.0			0.79	3.0		31.0	19.9	21.8
32	805	10.0			0.78	3.0		31.0	19.9	21.8
32	805	11.0			0.79	3.0		31.0	19.9	21.8
32	805	12.0			0.79	3.0		31.0	20.0	21.8
32	805	13.0			0.81	3.1		31.0	20.0	21.8
32	805	14.0	3.6	0.48	0.83	3.2		31.0	20.0	21.8
31	819	1.0			0.79	3.0	3.3	31.0	19.8	21.8
31	819	2.0			0.79	3.0		31.0	19.8	21.8
31	819	3.0			0.79	3.0		31.0	19.8	21.8
31	819	4.0			0.79	3.0		31.0	19.8	21.8
31	819	5.0			0.78	3.0		31.1	19.8	21.8
31	819	6.0			0.78	3.0		31.1	19.8	21.8
31	819	7.0			0.78	3.0		31.1	19.7	21.8
31	819	8.0			0.78	3.0		31.1	19.7	21.8
31	819	9.0			0.78	3.0		31.1	19.7	21.8
31	819	10.0			0.79	3.0		31.1	19.7	21.8
31	819	11.0			0.78	3.0		31.1	19.7	21.8
31	819	12.0			0.78	3.0		31.1	19.7	21.8
31	819	13.0			0.79	3.0		31.1	19.7	21.8
31	819	14.0			0.78	3.0		31.1	19.7	21.8
30	836	1.0	2.8	0.60	0.73	2.8	2.2	31.2	19.5	22.0
30	836	2.0			0.73	2.8		31.2	19.5	22.0
30	836	3.0			0.73	2.8		31.2	19.5	22.0
30	836	4.0			0.73	2.8		31.2	19.5	22.0
30	836	5.0			0.74	2.8		31.2	19.5	22.0
30	836	6.0			0.75	2.9		31.2	19.4	22.0
30	836	7.0			0.76	2.9		31.2	19.4	22.0
30	836	8.0			0.77	2.9		31.2	19.4	22.0
30	836	9.0			0.79	3.0		31.2	19.4	22.0
30	836	10.0			0.80	3.1		31.2	19.4	22.0
30	836	11.0			0.80	3.1		31.2	19.4	22.0
30	836	12.0			0.81	3.1		31.2	19.4	22.0
30	836	13.0			0.87	3.3		31.2	19.4	22.0
30	836	14.0			0.98	3.8		31.2	19.4	22.0
30	836	15.0	4.1	0.44	1.12	4.3		31.2	19.4	22.0
29	904	1.0			0.70	2.7	2.0	31.2	19.3	22.0
29	904	2.0			0.70	2.7		31.2	19.3	22.1
29	904	3.0			0.70	2.7		31.2	19.3	22.1
29	904	4.0			0.70	2.7		31.2	19.3	22.1
29	904	5.0			0.72	2.7		31.2	19.3	22.1
29	904	6.0			0.72	2.7		31.2	19.3	22.1
29	904	7.0			0.73	2.8		31.2	19.3	22.1
29	904	8.0			0.73	2.8		31.2	19.3	22.1
29	904	9.0			0.74	2.8		31.2	19.3	22.1
29	904	10.0			0.73	2.8		31.2	19.3	22.1
29	904	11.0			0.72	2.8		31.2	19.3	22.1
29	904	12.0			0.74	2.8		31.3	19.2	22.1
29	904	13.0			0.77	2.9		31.3	19.2	22.1
29	904	14.0			0.80	3.1		31.3	19.2	22.1
29	904	15.0			0.86	3.3		31.3	19.2	22.1
28	918	1.0			0.69	2.6	2.0	31.2	19.5	22.0
28	918	2.0			0.69	2.6		31.2	19.4	22.0
28	918	3.0			0.69	2.6		31.2	19.4	22.0

LOCATION: South San Francisco Bay  
 DATE: July 6, 1988  
 JULIAN DAY: 88188

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
28	918	4.0			0.70	2.7		31.2	19.3	22.0
28	918	5.0			0.70	2.7		31.2	19.3	22.1
28	918	6.0			0.71	2.7		31.2	19.3	22.1
28	918	7.0			0.72	2.7		31.2	19.3	22.1
28	918	8.0			0.72	2.8		31.2	19.3	22.1
28	918	9.0			0.73	2.8		31.3	19.2	22.1
28	918	10.0			0.73	2.8		31.2	19.2	22.1
28	918	11.0			0.72	2.7		31.3	19.1	22.1
28	918	12.0			0.74	2.8		31.3	19.1	22.2
28	918	13.0			0.80	3.1		31.3	19.1	22.2
28	918	14.0			0.91	3.5		31.3	19.0	22.2
28	918	15.0			1.00	3.9		31.3	19.0	22.2
27	932	1.0	2.8	0.53	0.76	2.9	2.4	31.2	19.5	22.0
27	932	2.0			0.76	2.9		31.2	19.4	22.1
27	932	3.0			0.76	2.9		31.3	19.4	22.1
27	932	4.0			0.76	2.9		31.3	19.3	22.1
27	932	5.0			0.78	3.0		31.3	19.2	22.2
27	932	6.0			0.78	3.0		31.3	19.2	22.2
27	932	7.0			0.79	3.0		31.3	19.1	22.2
27	932	8.0			0.80	3.1		31.3	19.0	22.2
27	932	9.0			0.83	3.2		31.3	19.0	22.2
27	932	10.0			0.86	3.3		31.3	19.0	22.2
27	932	11.0			0.89	3.4		31.3	19.0	22.2
27	932	12.0	3.9	0.24	0.95	3.7		31.3	19.0	22.2
26	945	1.0			0.73	2.8	1.9	31.2	19.5	22.0
26	945	2.0			0.73	2.8		31.3	19.3	22.1
26	945	3.0			0.71	2.7		31.3	19.2	22.1
26	945	4.0			0.71	2.7		31.3	19.1	22.2
26	945	5.0			0.71	2.7		31.4	19.0	22.3
26	945	6.0			0.71	2.7		31.4	18.9	22.3
26	945	7.0			0.71	2.7		31.4	18.8	22.3
26	945	8.0			0.72	2.8		31.4	18.7	22.3
26	945	9.0			0.74	2.8		31.4	18.6	22.4
26	945	10.0			0.76	2.9		31.4	18.6	22.4
26	945	11.0			0.77	2.9		31.4	18.6	22.4
25	1003	1.0			0.68	2.6	2.9	31.4	18.7	22.3
25	1003	2.0			0.68	2.6		31.4	18.6	22.3
25	1003	3.0			0.68	2.6		31.4	18.5	22.4
25	1003	4.0			0.70	2.7		31.4	18.5	22.4
25	1003	5.0			0.71	2.7		31.4	18.4	22.4
25	1003	6.0			0.72	2.7		31.4	18.4	22.4
25	1003	7.0			0.73	2.8		31.4	18.4	22.4
25	1003	8.0			0.74	2.8		31.4	18.4	22.4
24	1017	1.0	2.4	0.34	0.69	2.6	3.5	31.4	18.4	22.4
24	1017	2.0			0.69	2.6		31.4	18.4	22.4
24	1017	3.0			0.69	2.6		31.4	18.3	22.4
24	1017	4.0			0.70	2.7		31.4	18.3	22.4
24	1017	5.0			0.71	2.7		31.4	18.3	22.4
24	1017	6.0			0.72	2.7		31.4	18.3	22.4
24	1017	7.0			0.71	2.7		31.4	18.3	22.4
24	1017	8.0			0.71	2.7		31.4	18.3	22.4
24	1017	9.0			0.71	2.7		31.4	18.3	22.4
24	1017	10.0			0.71	2.7		31.4	18.3	22.4
24	1017	11.0	3.1	0.32	0.71	2.7		31.4	18.3	22.4
23	1032	1.0			0.63	2.4	2.0	31.4	19.1	22.2
23	1032	2.0			0.63	2.4		31.4	18.5	22.4
23	1032	3.0			0.64	2.4		31.4	18.4	22.5
23	1032	4.0			0.65	2.5		31.5	18.3	22.5
23	1032	5.0			0.67	2.5		31.5	18.3	22.5
23	1032	6.0			0.69	2.6		31.5	18.3	22.5

LOCATION: South San Francisco Bay  
 DATE: July 6, 1988  
 JULIAN DAY: 88188

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
23	1032	7.0			0.71	2.7		31.5	18.2	22.5
23	1032	8.0			0.73	2.8		31.5	18.2	22.5
23	1032	9.0			0.74	2.8		31.5	18.1	22.5
23	1032	10.0			0.75	2.8		31.5	18.1	22.5
23	1032	11.0			0.73	2.8		31.5	18.1	22.5
23	1032	12.0			0.74	2.8		31.5	18.0	22.6
23	1032	13.0			0.73	2.8		31.5	18.0	22.6
23	1032	14.0			0.75	2.9		31.5	18.0	22.6
23	1032	15.0			0.76	2.9		31.5	18.0	22.6
22	1046	1.0			0.65	2.5	1.2	31.4	18.4	22.5
22	1046	2.0			0.65	2.5		31.5	18.1	22.6
22	1046	3.0			0.65	2.5		31.6	17.8	22.7
22	1046	4.0			0.65	2.4		31.7	17.6	22.9
22	1046	5.0			0.65	2.4		31.7	17.5	22.9
22	1046	6.0			0.64	2.4		31.7	17.4	22.9
22	1046	7.0			0.64	2.4		31.7	17.3	22.9
22	1046	8.0			0.64	2.4		31.7	17.3	22.9
22	1046	9.0			0.66	2.5		31.7	17.3	22.9
22	1046	10.0			0.65	2.5		31.7	17.3	22.9
22	1046	11.0			0.64	2.4		31.7	17.2	22.9
22	1046	12.0			0.65	2.5		31.7	17.2	22.9
22	1046	13.0			0.66	2.5		31.7	17.2	22.9
22	1046	14.0			0.65	2.5		31.7	17.2	22.9
22	1046	15.0			0.66	2.5		31.7	17.2	23.0
22	1046	16.0			0.67	2.6		31.7	17.2	23.0
21	1057	1.0	2.4	0.46	0.67	2.5	2.2	31.6	18.1	22.6
21	1057	2.0			0.67	2.5		31.6	17.8	22.8
21	1057	3.0			0.67	2.5		31.7	17.7	22.8
21	1057	4.0			0.67	2.5		31.9	17.4	23.0
21	1057	5.0			0.68	2.6		31.8	17.3	23.0
21	1057	6.0			0.69	2.6		31.8	17.3	23.0
21	1057	7.0			0.70	2.7		31.8	17.2	23.0
21	1057	8.0			0.71	2.7		31.7	17.2	23.0
21	1057	9.0			0.72	2.7		31.7	17.2	23.0
21	1057	10.0			0.72	2.7		31.7	17.1	23.0
21	1057	11.0			0.72	2.7		31.7	17.1	23.0
21	1057	12.0			0.74	2.8		31.7	17.0	23.0
21	1057	13.0			0.72	2.7		31.7	17.0	23.0
21	1057	14.0			0.74	2.8		31.7	17.0	23.0
21	1057	15.0			0.73	2.8		31.7	17.0	23.0
21	1057	16.0			0.75	2.8		31.7	17.0	23.0
21	1057	17.0			0.75	2.9		31.7	17.0	23.0
21	1057	18.0	2.7	0.26	0.74	2.8		31.7	17.0	23.0

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  10    0.82    -0.1    3.99    0.3

LOCATION: North San Francisco Bay  
 DATE: July 7, 1988  
 JULIAN DAY: 88189

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	628	1.0	1.9	0.49	0.52	1.8	2.9	0.4	22.2	0.0
657	628	2.0			0.52	1.8		0.7	22.2	0.0
657	628	3.0			0.52	1.8		0.9	22.2	0.0
657	628	4.0			0.53	1.8		0.9	22.2	0.0
657	628	5.0			0.53	1.8		0.9	22.2	0.0
657	628	6.0			0.54	1.8		0.8	22.2	0.0
657	628	7.0			0.54	1.8		0.8	22.2	0.0
657	628	8.0			0.54	1.9		0.8	22.2	0.0
657	628	9.0	2.1	0.48	0.54	1.9		0.8	22.2	0.0
649	738	1.0	2.9	0.50	0.69	2.5	2.9	0.9	21.3	0.0
649	738	2.0			0.69	2.5		0.9	21.4	0.0
649	738	3.0			0.70	2.6		1.3	21.6	0.0
649	738	4.0			0.70	2.6		1.8	21.7	0.0
649	738	5.0			0.71	2.6		1.9	21.8	0.0
649	738	6.0			0.71	2.6		2.0	21.8	0.0
649	738	7.0			0.70	2.6		2.2	21.8	0.0
649	738	8.0			0.70	2.6		2.3	21.8	0.0
649	738	9.0			0.69	2.6		2.4	21.7	0.0
649	738	10.0			0.67	2.5		2.5	21.7	0.0
649	738	11.0	2.2	0.37	0.66	2.4		2.5	21.7	0.0
2	804	1.0	2.9	0.49	0.67	2.5	2.5	2.8	22.2	0.0
2	804	2.0			0.67	2.5		3.1	22.3	0.0
2	804	3.0			0.67	2.5		3.3	22.3	0.2
2	804	4.0			0.67	2.5		3.5	22.2	0.4
2	804	5.0			0.67	2.4		3.6	22.1	0.5
2	804	6.0			0.66	2.4		3.8	22.0	0.7
2	804	7.0			0.67	2.4		4.0	22.0	0.8
2	804	8.0			0.68	2.5		4.1	21.9	0.9
2	804	9.0			0.68	2.5		4.1	21.9	0.9
2	804	10.0			0.69	2.5		4.1	21.9	0.9
2	804	11.0	2.2	0.26	0.69	2.5		4.1	21.9	0.9
3	823	1.0			0.64	2.3	2.4	3.5	22.0	0.4
3	823	2.0			0.64	2.3		3.8	22.1	0.7
3	823	3.0			0.63	2.3		4.1	22.2	0.9
3	823	4.0			0.63	2.3		4.2	22.1	0.9
3	823	5.0			0.63	2.3		4.2	22.1	1.0
3	823	6.0			0.63	2.3		4.4	22.0	1.1
3	823	7.0			0.63	2.3		4.5	21.9	1.2
3	823	8.0			0.63	2.3		4.7	21.9	1.4
3	823	9.0			0.63	2.3		4.8	21.9	1.4
3	823	10.0			0.64	2.3		4.9	21.8	1.5
3	823	11.0			0.64	2.3		5.0	21.8	1.6
3	823	12.0			0.66	2.4		5.1	21.7	1.7
4	851	1.0	2.6	0.50	0.59	2.1	2.5	5.5	21.8	2.0
4	851	2.0			0.59	2.1		5.7	21.8	2.1
4	851	3.0			0.59	2.1		5.8	21.8	2.2
4	851	4.0			0.59	2.1		5.8	21.8	2.2
4	851	5.0			0.59	2.1		5.8	21.8	2.3
4	851	6.0			0.60	2.1		5.9	21.8	2.3
4	851	7.0			0.60	2.1		6.0	21.8	2.4
4	851	8.0			0.60	2.1		6.2	21.8	2.5
4	851	9.0			0.60	2.1		6.4	21.8	2.7
4	851	10.0			0.59	2.1		6.5	21.7	2.7
4	851	11.0			0.59	2.1		6.5	21.7	2.8
4	851	12.0			0.60	2.1		6.5	21.7	2.8
4	851	13.0			0.59	2.1		6.6	21.7	2.8
4	851	14.0			0.60	2.1		6.6	21.7	2.8
4	851	15.0	1.3	0.19	0.60	2.1		6.6	21.7	2.8
5	936	1.0			0.59	2.1	3.2	9.2	21.4	4.8
5	936	2.0			0.59	2.1		10.1	21.3	5.6

LOCATION: North San Francisco Bay  
DATE: July 7, 1988  
JULIAN DAY: 88189

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
5	936	3.0			0.60	2.1		10.5	21.3	5.8
5	936	4.0			0.62	2.2		10.5	21.3	5.9
5	936	5.0			0.64	2.3		10.6	21.3	5.9
5	936	6.0			0.66	2.4		10.6	21.3	5.9
5	936	7.0			0.68	2.5		10.6	21.4	5.9
5	936	8.0			0.70	2.6		10.6	21.4	5.9
5	936	9.0			0.71	2.6		10.6	21.4	6.0
6	1021	1.0	2.2	0.53	0.60	2.1	3.6	12.9	20.9	7.8
6	1021	2.0			0.60	2.1		13.1	20.9	7.9
6	1021	3.0			0.60	2.1		13.5	20.9	8.3
6	1021	4.0			0.60	2.1		13.8	20.8	8.5
6	1021	5.0			0.60	2.1		13.9	20.8	8.6
6	1021	6.0			0.61	2.2		14.0	20.8	8.7
6	1021	7.0			0.62	2.2		14.1	20.8	8.7
6	1021	8.0			0.65	2.3		14.1	20.8	8.7
6	1021	9.0			0.66	2.4		14.1	20.8	8.7
6	1021	10.0			0.66	2.4		14.1	20.8	8.7
6	1021	11.0	2.1	0.23	0.66	2.4		14.1	20.8	8.7
7	1053	1.0			0.55	1.9	3.7	16.0	20.6	10.2
7	1053	2.0			0.55	1.9		16.2	20.5	10.4
7	1053	3.0			0.55	1.9		16.7	20.4	10.8
7	1053	4.0			0.55	1.9		16.9	20.4	10.9
7	1053	5.0			0.54	1.9		17.2	20.4	11.2
7	1053	6.0			0.56	1.9		17.5	20.4	11.4
7	1053	7.0			0.56	2.0		17.7	20.4	11.5
7	1053	8.0			0.55	1.9		17.8	20.4	11.6
7	1053	9.0			0.56	1.9		17.9	20.4	11.7
7	1053	10.0			0.55	1.9		17.9	20.4	11.7
7	1053	11.0			0.55	1.9		17.9	20.4	11.7
7	1053	12.0			0.55	1.9		17.9	20.4	11.7
7	1053	13.0			0.53	1.8		17.9	20.4	11.7
7	1053	14.0			0.53	1.8		17.9	20.4	11.7
8	1127	1.0			0.51	1.7	2.8	18.0	20.5	11.7
8	1127	2.0			0.51	1.7		18.8	20.5	12.3
8	1127	3.0			0.51	1.7		19.2	20.4	12.6
8	1127	4.0			0.50	1.7		19.8	20.4	13.1
8	1127	5.0			0.49	1.6		20.2	20.4	13.4
8	1127	6.0			0.50	1.7		20.3	20.3	13.5
8	1127	7.0			0.50	1.7		20.7	20.3	13.8
8	1127	8.0			0.51	1.7		21.1	20.3	14.1
8	1127	9.0			0.51	1.7		21.2	20.3	14.2
8	1127	10.0			0.51	1.7		21.3	20.3	14.3
8	1127	11.0			0.50	1.7		21.5	20.3	14.4
8	1127	12.0			0.50	1.7		21.7	20.3	14.6
8	1127	13.0			0.52	1.7		21.8	20.3	14.6
8	1127	14.0			0.52	1.8		21.8	20.3	14.6
9	1149	1.0			0.49	1.6	2.1	21.2	20.4	14.1
9	1149	2.0			0.49	1.6		21.2	20.4	14.2
9	1149	3.0			0.49	1.6		21.4	20.3	14.4
9	1149	4.0			0.49	1.6		21.6	20.2	14.5
9	1149	5.0			0.50	1.6		21.6	20.2	14.5
9	1149	6.0			0.51	1.7		21.7	20.2	14.6
9	1149	7.0			0.52	1.8		21.8	20.2	14.7
9	1149	8.0			0.53	1.8		22.1	20.2	14.9
9	1149	9.0			0.53	1.8		22.1	20.2	14.9
9	1149	10.0			0.53	1.8		22.2	20.2	15.0
9	1149	11.0			0.53	1.8		22.2	20.2	15.0
9	1149	12.0			0.52	1.8		22.5	20.2	15.2
9	1149	13.0			0.52	1.7		22.8	20.1	15.4
9	1149	14.0			0.51	1.7		23.1	20.1	15.7
9	1149	15.0			0.51	1.7		23.3	20.1	15.8

LOCATION: South San Francisco Bay  
 DATE: May 25, 1988  
 JULIAN DAY: 88146

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
28	933	5.0			0.66	1.8		29.7	17.9	21.2
28	933	6.0			0.66	1.8		29.8	17.8	21.3
28	933	7.0			0.66	1.8		29.9	17.7	21.4
28	933	8.0			0.67	1.8		30.0	17.6	21.5
28	933	9.0			0.67	1.8		30.0	17.4	21.6
28	933	10.0			0.66	1.8		30.1	17.2	21.7
28	933	11.0			0.64	1.7		30.1	17.1	21.7
28	933	12.0			0.64	1.6		30.1	17.1	21.7
28	933	13.0			0.63	1.6		30.1	17.1	21.8
28	933	14.0			0.62	1.5		30.1	17.1	21.8
28	933	15.0			0.63	1.6		30.1	17.0	21.8
27	950	1.0	2.0	0.43	0.63	1.6	2.2	29.9	17.5	21.5
27	950	2.0			0.63	1.6		29.9	17.5	21.5
27	950	3.0			0.63	1.6		30.0	17.5	21.5
27	950	4.0			0.62	1.6		30.0	17.5	21.5
27	950	5.0			0.61	1.5		30.0	17.4	21.6
27	950	6.0			0.62	1.5		30.1	17.3	21.7
27	950	7.0			0.61	1.5		30.1	17.2	21.7
27	950	8.0			0.61	1.5		30.1	17.2	21.7
27	950	9.0			0.61	1.5		30.1	17.1	21.8
27	950	10.0			0.60	1.4		30.2	17.0	21.8
27	950	11.0			0.59	1.3		30.2	16.9	21.9
27	950	12.0			0.59	1.3		30.2	16.9	21.9
27	950	13.0	2.2	0.29	0.59	1.4		30.2	16.9	21.9
26	1003	1.0			0.56	1.2	2.2	30.3	16.6	22.0
26	1003	2.0			0.56	1.2		30.3	16.6	22.0
26	1003	3.0			0.56	1.2		30.3	16.6	22.0
26	1003	4.0			0.56	1.2		30.3	16.6	22.0
26	1003	5.0			0.56	1.2		30.3	16.6	22.0
26	1003	6.0			0.57	1.2		30.3	16.6	22.0
26	1003	7.0			0.57	1.2		30.3	16.6	22.0
26	1003	8.0			0.57	1.3		30.3	16.5	22.0
26	1003	9.0			0.57	1.3		30.3	16.5	22.0
26	1003	10.0			0.56	1.2		30.3	16.5	22.0
26	1003	11.0			0.54	1.1		30.3	16.5	22.0
25	1022	1.0			0.58	1.3	2.0	30.2	16.9	21.8
25	1022	2.0			0.58	1.3		30.2	16.9	21.8
25	1022	3.0			0.58	1.3		30.2	16.9	21.8
25	1022	4.0			0.58	1.3		30.2	16.9	21.9
25	1022	5.0			0.57	1.3		30.2	16.8	21.9
25	1022	6.0			0.58	1.3		30.2	16.8	21.9
25	1022	7.0			0.58	1.3		30.2	16.8	21.9
25	1022	8.0			0.58	1.3		30.2	16.8	21.9
25	1022	9.0			0.58	1.3		30.2	16.8	21.9
24	1041	1.0	2.0	0.49	0.64	1.7	1.2	30.5	16.2	22.2
24	1041	2.0			0.64	1.7		30.5	16.2	22.2
24	1041	3.0			0.65	1.7		30.5	16.2	22.2
24	1041	4.0			0.65	1.7		30.5	16.2	22.2
24	1041	5.0			0.63	1.6		30.5	16.0	22.3
24	1041	6.0			0.60	1.4		30.7	15.8	22.5
24	1041	7.0			0.57	1.3		30.7	15.7	22.5
24	1041	8.0			0.56	1.2		30.7	15.7	22.5
24	1041	9.0			0.56	1.2		30.7	15.7	22.5
24	1041	10.0			0.55	1.1		30.7	15.7	22.5
24	1041	11.0	0.0	0.00	0.54	1.1		30.7	15.7	22.5
23	1057	1.0			0.60	1.4	1.2	30.6	15.8	22.4
23	1057	2.0			0.60	1.4		30.6	15.8	22.4
23	1057	3.0			0.62	1.5		30.6	15.8	22.4
23	1057	4.0			0.61	1.5		30.6	15.8	22.4
23	1057	5.0			0.63	1.6		30.6	15.8	22.4



LOCATION: North San Francisco Bay  
 DATE: July 7, 1988  
 JULIAN DAY: 88189

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
9	1149	16.0			0.52	1.8		23.4	20.1	15.9
9	1149	17.0			0.51	1.7		23.4	20.1	16.0
9	1149	18.0			0.53	1.8		23.5	20.1	16.0
9	1149	19.0			0.54	1.8		23.5	20.0	16.0
9	1149	20.0			0.54	1.9		23.5	20.0	16.0
9	1149	21.0			0.55	1.9		23.6	20.0	16.1
9	1149	22.0			0.55	1.9		23.6	20.0	16.1
9	1149	23.0			0.56	2.0		23.6	20.0	16.1
9	1149	24.0			0.57	2.0		23.6	20.0	16.1
9	1149	25.0			0.55	1.9		23.6	20.0	16.1
9	1149	26.0			0.55	1.9		23.6	20.0	16.1
9	1149	27.0			0.55	1.9		23.6	20.0	16.1
9	1149	28.0			0.55	1.9		23.7	20.0	16.1
9	1149	29.0			0.57	2.0		23.7	20.0	16.1
10	1202	1.0	1.4	0.40	0.49	1.6	2.2	20.1	20.5	13.3
10	1202	2.0			0.49	1.6		21.3	20.3	14.2
10	1202	3.0			0.50	1.7		21.8	20.3	14.7
10	1202	4.0			0.50	1.7		22.2	20.2	15.0
10	1202	5.0			0.52	1.7		22.7	20.2	15.3
10	1202	6.0			0.51	1.7		23.1	20.1	15.7
10	1202	7.0			0.53	1.8		23.4	20.0	16.0
10	1202	8.0			0.53	1.8		23.5	20.0	16.0
10	1202	9.0			0.54	1.8		23.6	20.0	16.1
10	1202	10.0			0.53	1.8		23.7	20.0	16.2
10	1202	11.0			0.52	1.8		23.8	19.9	16.3
10	1202	12.0			0.53	1.8		23.9	19.9	16.3
10	1202	13.0			0.51	1.7		23.9	19.9	16.3
10	1202	14.0			0.51	1.7		24.0	19.9	16.4
10	1202	15.0			0.52	1.8		24.1	20.0	16.5
10	1202	16.0			0.52	1.7		24.2	19.9	16.5
10	1202	17.0			0.53	1.8		24.2	19.9	16.6
10	1202	18.0	1.8	0.38	0.52	1.7		24.3	19.9	16.8

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  12      0.44      -0.6      4.62      0.4

LOCATION: South San Francisco Bay  
 DATE: July 20, 1988  
 JULIAN DAY: 88201

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	800	1.0	3.5	0.54	0.91	3.2		31.2	22.6	21.2
32	800	2.0			0.91	3.2		31.4	22.6	21.3
32	800	3.0			0.91	3.2		31.4	22.6	21.3
32	800	4.0			0.92	3.3		31.4	22.6	21.3
32	800	5.0			0.93	3.3		31.4	22.6	21.3
32	800	6.0			0.94	3.3		31.4	22.5	21.4
32	800	7.0			0.95	3.3		31.4	22.5	21.4
32	800	8.0			0.96	3.4		31.5	22.5	21.4
32	800	9.0			0.97	3.4		31.5	22.5	21.4
32	800	10.0			0.97	3.4		31.5	22.5	21.4
32	800	11.0			0.98	3.4		31.5	22.5	21.4
32	800	12.0			0.98	3.5		31.5	22.5	21.4
32	800	13.0	2.9	0.28	0.98	3.5		31.5	22.5	21.4
31	815	1.0			0.89	3.2	3.2	31.5	22.4	21.4
31	815	2.0			0.89	3.2		31.5	22.4	21.4
31	815	3.0			0.89	3.2		31.5	22.4	21.4
31	815	4.0			0.90	3.2		31.4	22.4	21.4
31	815	5.0			0.90	3.2		31.5	22.4	21.4
31	815	6.0			0.91	3.2		31.5	22.3	21.5
31	815	7.0			0.92	3.2		31.5	22.3	21.5
31	815	8.0			0.92	3.3		31.5	22.3	21.5
31	815	9.0			0.92	3.2		31.5	22.3	21.5
31	815	10.0			0.91	3.2		31.5	22.3	21.5
31	815	11.0			0.90	3.2		31.5	22.3	21.5
31	815	12.0			0.90	3.2		31.5	22.3	21.5
31	815	13.0			0.90	3.2		31.5	22.3	21.5
30	835	1.0	2.9	0.52	0.76	2.7	2.2	31.5	22.1	21.6
30	835	2.0			0.76	2.7		31.5	22.1	21.6
30	835	3.0			0.76	2.7		31.5	22.1	21.6
30	835	4.0			0.75	2.7		31.5	22.0	21.6
30	835	5.0			0.75	2.7		31.5	22.0	21.6
30	835	6.0			0.76	2.7		31.5	22.0	21.6
30	835	7.0			0.77	2.8		31.5	22.0	21.6
30	835	8.0			0.78	2.8		31.5	21.9	21.6
30	835	9.0			0.79	2.8		31.5	21.9	21.6
30	835	10.0			0.80	2.8		31.5	21.9	21.6
30	835	11.0			0.81	2.9		31.5	21.9	21.6
30	835	12.0			0.82	2.9		31.5	21.9	21.6
30	835	13.0			0.83	3.0		31.5	21.9	21.6
30	835	14.0	3.5	0.34	0.88	3.1		31.5	21.9	21.6
29	855	1.0			0.70	2.5	2.2	31.5	21.7	21.7
29	855	2.0			0.70	2.5		31.5	21.7	21.7
29	855	3.0			0.69	2.5		31.5	21.7	21.7
29	855	4.0			0.68	2.5		31.6	21.6	21.7
29	855	5.0			0.68	2.5		31.6	21.6	21.7
29	855	6.0			0.68	2.4		31.6	21.6	21.7
29	855	7.0			0.68	2.4		31.6	21.6	21.7
29	855	8.0			0.69	2.5		31.6	21.6	21.7
29	855	9.0			0.72	2.6		31.6	21.6	21.8
29	855	10.0			0.74	2.7		31.6	21.6	21.8
29	855	11.0			0.75	2.7		31.6	21.6	21.8
29	855	12.0			0.80	2.8		31.6	21.5	21.8
29	855	13.0			0.82	2.9		31.6	21.5	21.8
29	855	14.0			0.85	3.0		31.6	21.5	21.8
28	910	1.0			0.72	2.6	2.2	31.6	21.4	21.8
28	910	2.0			0.72	2.6		31.6	21.4	21.8
28	910	3.0			0.71	2.5		31.6	21.4	21.8
28	910	4.0			0.71	2.6		31.6	21.4	21.8
28	910	5.0			0.72	2.6		31.6	21.4	21.8
28	910	6.0			0.73	2.6		31.6	21.4	21.8
28	910	7.0			0.74	2.7		31.6	21.4	21.8

LOCATION: South San Francisco Bay  
DATE: July 20, 1988  
JULIAN DAY: 88201

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
28	910	8.0			0.75	2.7		31.6	21.4	21.8
28	910	9.0			0.76	2.7		31.6	21.4	21.8
28	910	10.0			0.76	2.7		31.6	21.4	21.8
28	910	11.0			0.77	2.8		31.6	21.3	21.8
28	910	12.0			0.78	2.8		31.6	21.3	21.8
28	910	13.0			0.79	2.8		31.6	21.3	21.8
28	910	14.0			0.79	2.8		31.6	21.3	21.8
27	925	1.0	2.6	0.59	0.74	2.7	1.6	31.6	21.2	21.9
27	925	2.0			0.74	2.7		31.6	21.2	21.9
27	925	3.0			0.71	2.6		31.6	21.2	21.9
27	925	4.0			0.70	2.5		31.6	21.2	21.9
27	925	5.0			0.68	2.5		31.6	21.1	21.9
27	925	6.0			0.68	2.4		31.6	21.1	21.9
27	925	7.0			0.69	2.5		31.7	21.1	21.9
27	925	8.0			0.71	2.5		31.7	21.1	21.9
27	925	9.0			0.73	2.6		31.7	21.1	21.9
27	925	10.0			0.73	2.6		31.7	21.1	21.9
27	925	11.0			0.75	2.7		31.7	21.1	21.9
27	925	12.0			0.76	2.7		31.7	21.1	21.9
26	935	1.0			0.73	2.6	2.7	31.6	21.3	21.8
26	935	2.0			0.73	2.6		31.6	21.3	21.8
26	935	3.0			0.72	2.6		31.6	21.3	21.8
26	935	4.0			0.72	2.6		31.6	21.3	21.8
26	935	5.0			0.73	2.6		31.6	21.3	21.8
26	935	6.0			0.74	2.6		31.6	21.3	21.8
26	935	7.0			0.75	2.7		31.6	21.2	21.9
26	935	8.0			0.75	2.7		31.6	21.2	21.9
26	935	9.0			0.76	2.7		31.6	21.2	21.9
26	935	10.0			0.76	2.7		31.6	21.2	21.9
25	955	1.0			0.72	2.6	2.6	31.6	21.1	21.9
25	955	2.0			0.72	2.6		31.6	21.0	21.9
25	955	3.0			0.71	2.6		31.6	21.0	22.0
25	955	4.0			0.72	2.6		31.6	20.9	21.9
25	955	5.0			0.72	2.6		31.6	20.9	22.0
25	955	6.0			0.73	2.6		31.6	20.9	22.0
25	955	7.0			0.74	2.6		31.7	20.9	22.0
25	955	8.0			0.74	2.6		31.7	20.9	22.0
24	1010	1.0	2.4	0.59	0.62	2.3	2.1	31.7	20.5	22.1
24	1010	2.0			0.62	2.3		31.7	20.4	22.1
24	1010	3.0			0.62	2.3		31.7	20.4	22.1
24	1010	4.0			0.63	2.3		31.7	20.3	22.1
24	1010	5.0			0.64	2.3		31.7	20.3	22.1
24	1010	6.0			0.64	2.3		31.7	20.3	22.1
24	1010	7.0			0.65	2.4		31.7	20.3	22.1
24	1010	8.0			0.66	2.4		31.7	20.3	22.1
24	1010	9.0			0.66	2.4		31.7	20.3	22.1
24	1010	10.0	2.0	0.28	0.66	2.4		31.7	20.3	22.1
23	1027	1.0			0.64	2.3	2.1	31.7	20.2	22.2
23	1027	2.0			0.64	2.3		31.7	20.1	22.2
23	1027	3.0			0.64	2.3		31.7	20.0	22.2
23	1027	4.0			0.64	2.3		31.6	20.0	22.2
23	1027	5.0			0.64	2.3		31.6	20.0	22.2
23	1027	6.0			0.65	2.3		31.6	20.0	22.2
23	1027	7.0			0.65	2.4		31.7	20.0	22.2
23	1027	8.0			0.67	2.4		31.7	20.0	22.2
23	1027	9.0			0.68	2.5		31.7	20.0	22.2
23	1027	10.0			0.69	2.5		31.7	20.0	22.2
23	1027	11.0			0.69	2.5		31.6	20.0	22.2
23	1027	12.0			0.71	2.5		31.6	20.1	22.2
23	1027	13.0			0.72	2.6		31.7	20.1	22.2

LOCATION: South San Francisco Bay  
 DATE: July 20, 1988  
 JULIAN DAY: 86201

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
23	1027	14.0			0.74	2.7		31.7	20.1	22.2
23	1027	15.0			0.75	2.7		31.7	20.1	22.2
22	1045	1.0			0.65	2.3	1.4	31.7	19.8	22.3
22	1045	2.0			0.65	2.3		31.7	19.7	22.3
22	1045	3.0			0.64	2.3		31.7	19.7	22.3
22	1045	4.0			0.63	2.3		31.7	19.6	22.4
22	1045	5.0			0.62	2.2		31.7	19.5	22.4
22	1045	6.0			0.60	2.2		31.7	19.5	22.4
22	1045	7.0			0.60	2.2		31.7	19.5	22.4
22	1045	8.0			0.59	2.2		31.7	19.5	22.4
22	1045	9.0			0.60	2.2		31.7	19.4	22.4
22	1045	10.0			0.58	2.1		31.7	19.4	22.4
22	1045	11.0			0.59	2.2		31.8	19.1	22.5
22	1045	12.0			0.58	2.1		31.8	19.0	22.6
22	1045	13.0			0.59	2.2		31.8	18.8	22.6
22	1045	14.0			0.58	2.1		31.8	18.7	22.7
22	1045	15.0			0.59	2.1		31.8	18.6	22.7
22	1045	16.0			0.59	2.2		31.9	18.5	22.8
22	1045	17.0			0.59	2.2		31.9	18.4	22.8
22	1045	18.0			0.59	2.2		31.9	18.3	22.8
21	1100	1.0	2.0	0.51	0.56	2.1	1.7	31.7	19.7	22.3
21	1100	2.0			0.56	2.1		31.7	19.4	22.4
21	1100	3.0			0.56	2.0		31.8	19.2	22.5
21	1100	4.0			0.55	2.0		31.8	19.1	22.5
21	1100	5.0			0.55	2.0		31.8	19.0	22.6
21	1100	6.0			0.55	2.0		31.8	19.0	22.6
21	1100	7.0			0.55	2.0		31.8	19.0	22.6
21	1100	8.0			0.55	2.0		31.8	18.9	22.6
21	1100	9.0			0.56	2.1		31.8	18.9	22.6
21	1100	10.0			0.56	2.1		31.8	18.9	22.6
21	1100	11.0			0.55	2.0		31.8	18.8	22.6
21	1100	12.0			0.56	2.0		31.8	18.7	22.7
21	1100	13.0			0.55	2.0		31.8	18.6	22.7
21	1100	14.0			0.55	2.0		31.8	18.6	22.7
21	1100	15.0			0.55	2.0		31.9	18.5	22.8
21	1100	16.0			0.57	2.1		31.9	18.3	22.8
21	1100	17.0			0.57	2.1		31.9	18.2	22.9
21	1100	18.0	2.1	0.32	0.58	2.1		31.9	18.1	22.9

Fluorometer Calibration:    n    r^2    A    B    Syx  
                                  9    0.73    0.2    3.33    0.3

LOCATION: North San Francisco Bay  
DATE: July 21, 1988  
JULIAN DAY: 88202

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657	608	1.0	1.7	0.59	0.47	1.8	2.1	0.1	23.2	0.0
657	608	2.0			0.47	1.8		0.1	23.2	0.0
657	608	3.0			0.47	1.8		0.1	23.2	0.0
657	608	4.0			0.47	1.7		0.1	23.2	0.0
657	608	5.0			0.47	1.7		0.1	23.2	0.0
657	608	6.0			0.47	1.8		0.1	23.2	0.0
657	608	7.0	1.6	0.46	0.48	1.8		0.1	23.2	0.0
649	721	1.0	3.2	0.55	0.67	2.7	3.3	1.9	21.6	0.0
649	721	2.0			0.67	2.7		1.9	21.6	0.0
649	721	3.0			0.67	2.7		1.9	21.6	0.0
649	721	4.0			0.67	2.7		2.0	21.6	0.0
649	721	5.0			0.68	2.8		2.0	21.7	0.0
649	721	6.0			0.68	2.8		2.1	21.7	0.0
649	721	7.0			0.68	2.7		2.1	21.8	0.0
649	721	8.0			0.68	2.7		2.3	21.8	0.0
649	721	9.0			0.69	2.8		2.5	21.8	0.0
649	721	10.0			0.70	2.8		2.6	21.8	0.0
649	721	11.0	3.1	0.38	0.70	2.8		2.7	21.8	0.0
2	752	1.0			0.71	2.9	3.1	3.7	22.1	0.5
2	752	2.0			0.71	2.9		3.7	22.1	0.5
2	752	3.0			0.71	2.9		3.7	22.2	0.5
2	752	4.0			0.71	2.9		3.7	22.2	0.6
2	752	5.0			0.70	2.9		4.1	22.2	0.9
2	752	6.0			0.69	2.8		4.4	22.3	1.0
2	752	7.0			0.70	2.8		4.7	22.3	1.2
2	752	8.0			0.71	2.9		4.8	22.3	1.3
2	752	9.0			0.71	2.9		4.8	22.3	1.3
2	752	10.0			0.72	2.9		4.8	22.3	1.3
3	810	1.0			0.68	2.7	2.7	5.1	22.1	1.6
3	810	2.0			0.68	2.7		5.1	22.1	1.6
3	810	3.0			0.67	2.7		5.1	22.2	1.6
3	810	4.0			0.66	2.6		5.3	22.3	1.7
3	810	5.0			0.65	2.6		5.6	22.2	1.9
3	810	6.0			0.66	2.7		5.7	22.3	2.1
3	810	7.0			0.66	2.7		5.8	22.3	2.1
3	810	8.0			0.66	2.6		5.8	22.2	2.1
3	810	9.0			0.67	2.7		5.8	22.2	2.1
3	810	10.0			0.66	2.7		5.9	22.2	2.2
3	810	11.0			0.65	2.6		6.0	22.2	2.3
4	838	1.0	2.9	0.57	0.60	2.4	2.7	6.7	22.1	2.8
4	838	2.0			0.60	2.4		6.7	22.1	2.8
4	838	3.0			0.60	2.4		6.9	22.2	2.9
4	838	4.0			0.61	2.4		7.2	22.2	3.2
4	838	5.0			0.61	2.4		7.2	22.2	3.2
4	838	6.0			0.63	2.5		7.3	22.1	3.2
4	838	7.0			0.62	2.5		7.3	22.1	3.3
4	838	8.0			0.63	2.5		7.4	22.1	3.3
4	838	9.0			0.65	2.6		7.4	21.9	3.4
4	838	10.0			0.64	2.6		7.7	21.7	3.7
4	838	11.0			0.64	2.5		8.0	21.4	4.0
4	838	12.0	1.5	0.21	0.66	2.6		8.4	21.2	4.3
5	1000	1.0			0.61	2.4	2.8	8.9	21.9	4.5
5	1000	2.0			0.61	2.4		9.0	21.9	4.6
5	1000	3.0			0.61	2.4		9.3	21.9	4.8
5	1000	4.0			0.62	2.5		9.4	21.9	4.9
5	1000	5.0			0.64	2.6		9.8	21.8	5.2
5	1000	6.0			0.65	2.6		9.8	21.7	5.3
5	1000	7.0			0.66	2.7		9.9	21.7	5.3
5	1000	8.0			0.68	2.7		9.9	21.7	5.3
5	1000	9.0			0.67	2.7		10.1	21.4	5.6

LOCATION: North San Francisco Bay  
DATE: July 21, 1968  
JULIAN DAY: 86202

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
6	1024	1.0	2.5	0.48	0.63	2.5	3.2	11.2	21.3	6.4
6	1024	2.0			0.63	2.5		11.2	21.3	6.4
6	1024	3.0			0.64	2.5		11.2	21.3	6.4
6	1024	4.0			0.64	2.6		11.3	21.3	6.4
6	1024	5.0			0.65	2.6		11.3	21.3	6.5
6	1024	6.0			0.66	2.6		11.3	21.3	6.5
6	1024	7.0			0.66	2.7		11.3	21.3	6.5
6	1024	8.0			0.66	2.6		12.4	21.3	7.3
6	1024	9.0			0.66	2.6		12.9	21.2	7.7
6	1024	10.0	2.6	0.46	0.66	2.7		13.1	21.2	7.8
7	1059	1.0			0.62	2.5	3.1	13.9	20.8	8.5
7	1059	2.0			0.62	2.5		13.9	20.8	8.6
7	1059	3.0			0.61	2.4		13.9	20.7	8.6
7	1059	4.0			0.61	2.4		14.0	20.7	8.6
7	1059	5.0			0.60	2.4		14.2	20.8	8.8
7	1059	6.0			0.60	2.4		14.7	20.9	9.1
7	1059	7.0			0.59	2.3		15.2	20.9	9.5
7	1059	8.0			0.58	2.3		16.2	20.9	10.2
7	1059	9.0			0.57	2.2		17.0	20.9	10.8
7	1059	10.0			0.56	2.2		17.4	21.0	11.1
7	1059	11.0			0.54	2.1		17.5	21.0	11.2
8	1121	1.0	1.6	0.46	0.55	2.1	2.3	16.2	20.8	10.3
8	1121	2.0			0.55	2.1		16.4	20.8	10.5
8	1121	3.0			0.55	2.1		17.5	20.9	11.3
8	1121	4.0			0.54	2.1		17.9	20.9	11.6
8	1121	5.0			0.55	2.1		18.1	20.9	11.7
8	1121	6.0			0.55	2.1		18.7	20.9	12.2
8	1121	7.0			0.54	2.1		19.0	20.9	12.4
8	1121	8.0			0.54	2.1		20.0	21.0	13.2
8	1121	9.0			0.54	2.1		20.7	21.0	13.7
8	1121	10.0			0.53	2.0		21.0	21.0	13.9
8	1121	11.0			0.53	2.0		21.3	21.0	14.1
8	1121	12.0			0.52	2.0		21.4	21.0	14.2
8	1121	13.0			0.52	2.0		21.8	21.0	14.5
8	1121	14.0	1.9	0.35	0.52	2.0		21.9	21.0	14.6
9	1346	1.0			0.56	2.2	2.3	15.4	21.0	9.7
9	1346	2.0			0.56	2.2		15.5	21.0	9.7
9	1346	3.0			0.56	2.2		15.5	21.0	9.7
9	1346	4.0			0.56	2.2		15.5	21.0	9.7
9	1346	5.0			0.57	2.2		15.8	20.9	9.9
9	1346	6.0			0.57	2.2		16.0	20.9	10.1
9	1346	7.0			0.57	2.2		16.5	20.9	10.5
9	1346	8.0			0.57	2.2		16.5	20.9	10.5
9	1346	9.0			0.58	2.3		16.6	20.9	10.6
9	1346	10.0			0.58	2.3		16.8	20.9	10.7
9	1346	11.0			0.55	2.1		17.1	20.9	10.9
9	1346	12.0			0.54	2.1		17.5	20.9	11.3
9	1346	13.0			0.53	2.1		18.1	20.9	11.7
9	1346	14.0			0.54	2.1		19.4	20.9	12.6
9	1346	15.0			0.53	2.0		19.6	20.9	12.9
9	1346	16.0			0.53	2.0		20.2	21.0	13.3
9	1346	17.0			0.52	2.0		20.4	21.0	13.4
9	1346	18.0			0.52	2.0		20.4	20.9	13.5
9	1346	19.0			0.52	2.0		20.4	20.9	13.5
9	1346	20.0			0.53	2.1		20.5	20.9	13.5
9	1346	21.0			0.53	2.0		20.7	21.0	13.6
9	1346	22.0			0.55	2.1		21.0	21.0	13.9
9	1346	23.0			0.53	2.0		21.2	21.0	14.0
9	1346	24.0			0.55	2.1		21.6	21.0	14.3
9	1346	25.0			0.56	2.2		21.7	21.0	14.4
9	1346	26.0			0.57	2.2		21.7	21.0	14.4

LOCATION: North San Francisco Bay  
 DATE: July 21, 1988  
 JULIAN DAY: 88202

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9	1346	27.0			0.58	2.3		21.9	21.0	14.5
9	1346	28.0			0.59	2.3		22.2	21.0	14.7
9	1346	29.0			0.59	2.3		22.3	21.0	14.9
10	1400	1.0	2.4	0.56	0.56	2.2	2.1	16.5	21.1	10.4
10	1400	2.0			0.56	2.2		16.8	21.0	10.7
10	1400	3.0			0.55	2.1		17.0	21.0	10.8
10	1400	4.0			0.55	2.1		17.2	20.9	11.0
10	1400	5.0			0.54	2.1		17.5	20.9	11.3
10	1400	6.0			0.55	2.1		18.2	20.9	11.8
10	1400	7.0			0.55	2.1		18.9	20.9	12.3
10	1400	8.0			0.55	2.1		19.2	20.9	12.6
10	1400	9.0			0.55	2.1		19.6	20.9	12.9
10	1400	10.0			0.54	2.1		20.3	20.9	13.3
10	1400	11.0			0.54	2.1		20.8	21.0	13.8
10	1400	12.0			0.53	2.0		21.1	21.0	14.0
10	1400	13.0			0.53	2.1		21.4	21.0	14.2
10	1400	14.0			0.53	2.1		21.9	21.0	14.6
10	1400	15.0			0.53	2.1		22.6	21.0	15.1
10	1400	16.0			0.54	2.1		22.6	21.0	15.1
10	1400	17.0	2.8	0.38	0.53	2.0		22.7	21.0	15.2

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  12      0.34      -0.5      4.74      0.5

LOCATION: South San Francisco Bay  
DATE: August 3, 1988  
JULIAN DAY: 88215

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	759	1.0	2.5	0.39	0.88	3.5	3.0	31.8	22.5	21.6
32	759	2.0			0.88	3.5		31.8	22.5	21.7
32	759	3.0			0.88	3.5		31.8	22.5	21.7
32	759	4.0			0.89	3.5		31.8	22.5	21.7
32	759	5.0			0.90	3.6		31.8	22.5	21.7
32	759	6.0			0.90	3.6		31.8	22.5	21.7
32	759	7.0			0.92	3.7		31.9	22.5	21.7
32	759	8.0			0.93	3.7		31.9	22.5	21.7
32	759	9.0			0.93	3.8		31.9	22.5	21.7
32	759	10.0			0.93	3.7		31.9	22.5	21.7
32	759	11.0			0.92	3.7		31.9	22.5	21.7
32	759	12.0			0.92	3.7		31.9	22.5	21.7
32	759	13.0	2.3	0.23	0.93	3.7		31.9	22.5	21.7
31	812	1.0			0.81	3.1	2.9	31.9	22.5	21.7
31	812	2.0			0.81	3.1		31.9	22.5	21.7
31	812	3.0			0.81	3.1		31.9	22.5	21.7
31	812	4.0			0.82	3.1		31.9	22.5	21.7
31	812	5.0			0.82	3.2		31.9	22.5	21.7
31	812	6.0			0.83	3.2		31.9	22.5	21.7
31	812	7.0			0.84	3.2		31.9	22.4	21.7
31	812	8.0			0.85	3.3		31.9	22.4	21.7
31	812	9.0			0.85	3.3		31.9	22.4	21.8
31	812	10.0			0.85	3.3		31.9	22.4	21.7
31	812	11.0			0.86	3.4		31.9	22.4	21.8
31	812	12.0			0.87	3.4		31.9	22.4	21.8
31	812	13.0			0.88	3.5		31.9	22.4	21.8
30	830	1.0	2.0	0.47	0.72	2.6	2.2	31.9	22.4	21.8
30	830	2.0			0.72	2.6		31.9	22.4	21.8
30	830	3.0			0.72	2.6		32.0	22.3	21.8
30	830	4.0			0.72	2.6		32.0	22.3	21.8
30	830	5.0			0.73	2.7		32.0	22.3	21.8
30	830	6.0			0.75	2.7		32.0	22.3	21.8
30	830	7.0			0.77	2.9		32.0	22.3	21.8
30	830	8.0			0.80	3.0		32.0	22.3	21.8
30	830	9.0			0.82	3.2		32.0	22.3	21.8
30	830	10.0			0.84	3.3		32.0	22.3	21.8
30	830	11.0			0.88	3.5		32.0	22.3	21.8
30	830	12.0			0.91	3.6		32.0	22.3	21.9
30	830	13.0			0.94	3.8		32.0	22.2	21.9
30	830	14.0	4.3	0.31	0.97	3.9		32.0	22.2	21.9
29	853	1.0			0.73	2.7	2.1	32.0	22.1	21.9
29	853	2.0			0.73	2.7		32.0	22.1	21.9
29	853	3.0			0.72	2.6		32.0	22.1	21.9
29	853	4.0			0.71	2.6		32.0	22.1	21.9
29	853	5.0			0.71	2.5		32.0	22.1	21.9
29	853	6.0			0.71	2.5		32.0	22.1	21.9
29	853	7.0			0.72	2.6		32.0	22.1	21.9
29	853	8.0			0.73	2.7		32.0	22.1	21.9
29	853	9.0			0.74	2.7		32.0	22.1	21.9
29	853	10.0			0.75	2.8		32.0	22.1	21.9
29	853	11.0			0.82	3.1		32.0	22.1	21.9
29	853	12.0			0.91	3.6		32.0	22.1	21.9
29	853	13.0			1.04	4.3		32.0	22.1	21.9
29	853	14.0			1.14	4.8		32.0	22.1	21.9
29	853	15.0			1.24	5.4		32.0	22.1	21.9
28	909	1.0			0.72	2.6	2.3	32.0	22.0	21.9
28	909	2.0			0.72	2.6		32.0	22.0	21.9
28	909	3.0			0.72	2.6		32.0	22.0	21.9
28	909	4.0			0.73	2.7		32.0	22.0	21.9
28	909	5.0			0.74	2.7		32.0	22.0	21.9
28	909	6.0			0.76	2.8		32.0	22.0	21.9



LOCATION: South San Francisco Bay  
DATE: August 3, 1988  
JULIAN DAY: 88215

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	909	7.0			0.77	2.9		32.0	22.0	21.9
28	909	8.0			0.79	3.0		32.0	22.0	22.0
28	909	9.0			0.80	3.0		32.0	22.0	22.0
28	909	10.0			0.83	3.2		32.0	22.0	22.0
28	909	11.0			0.89	3.5		32.0	22.0	22.0
28	909	12.0			0.97	3.9		32.0	22.0	22.0
28	909	13.0			1.07	4.5		32.0	21.9	22.0
28	909	14.0			1.18	5.1		32.0	21.9	22.0
28	909	15.0			1.28	5.6		32.0	21.9	22.0
27	920	1.0	2.8	0.64	0.74	2.7	1.8	32.0	22.0	21.9
27	920	2.0			0.74	2.7		32.0	22.0	21.9
27	920	3.0			0.73	2.6		32.0	22.0	21.9
27	920	4.0			0.72	2.6		32.0	22.0	21.9
27	920	5.0			0.72	2.6		32.0	21.9	22.0
27	920	6.0			0.75	2.7		32.0	21.9	22.0
27	920	7.0			0.81	3.1		32.0	21.9	22.0
27	920	8.0			0.88	3.5		32.0	21.9	22.0
27	920	9.0			0.96	3.9		32.0	21.8	22.0
27	920	10.0			1.05	4.4		32.0	21.8	22.0
27	920	11.0			1.11	4.7		32.0	21.8	22.0
27	920	12.0	6.0	0.21	1.14	4.9		32.0	21.8	22.0
26	933	1.0			0.71	2.6	2.9	32.0	21.6	22.0
26	933	2.0			0.71	2.6		32.0	21.6	22.0
26	933	3.0			0.71	2.6		32.0	21.6	22.0
26	933	4.0			0.71	2.6		32.0	21.6	22.0
26	933	5.0			0.72	2.6		32.0	21.5	22.1
26	933	6.0			0.73	2.7		32.0	21.4	22.1
26	933	7.0			0.74	2.7		32.0	21.4	22.1
26	933	8.0			0.75	2.8		32.0	21.4	22.1
26	933	9.0			0.76	2.8		32.0	21.4	22.1
26	933	10.0			0.76	2.8		32.0	21.4	22.1
25	951	1.0			0.76	2.8	4.5	31.9	20.9	22.2
25	951	2.0			0.76	2.8		31.9	20.9	22.2
25	951	3.0			0.77	2.9		31.9	20.9	22.2
25	951	4.0			0.77	2.9		31.9	20.9	22.2
25	951	5.0			0.77	2.9		31.9	20.9	22.2
25	951	6.0			0.78	2.9		31.9	20.9	22.2
25	951	7.0			0.79	3.0		31.9	20.9	22.2
25	951	8.0			0.79	3.0		31.9	20.9	22.2
24	1006	1.0	2.5	0.47	0.65	2.2	2.4	31.9	20.7	22.3
24	1006	2.0			0.65	2.2		31.9	20.7	22.3
24	1006	3.0			0.65	2.2		31.9	20.6	22.3
24	1006	4.0			0.67	2.4		31.9	20.6	22.3
24	1006	5.0			0.67	2.3		31.9	20.6	22.3
24	1006	6.0			0.68	2.4		31.9	20.6	22.3
24	1006	7.0			0.68	2.4		31.9	20.6	22.3
24	1006	8.0			0.69	2.4		31.9	20.6	22.3
24	1006	9.0			0.69	2.5		31.9	20.6	22.3
24	1006	10.0	2.6	0.35	0.70	2.5		31.9	20.6	22.3
23	1022	1.0			0.68	2.4	1.9	31.9	20.8	22.2
23	1022	2.0			0.68	2.4		31.9	20.7	22.2
23	1022	3.0			0.67	2.3		31.9	20.7	22.3
23	1022	4.0			0.67	2.3		31.9	20.6	22.3
23	1022	5.0			0.67	2.3		31.9	20.6	22.3
23	1022	6.0			0.68	2.4		31.9	20.6	22.3
23	1022	7.0			0.70	2.5		31.9	20.6	22.3
23	1022	8.0			0.71	2.5		31.9	20.5	22.3
23	1022	9.0			0.72	2.6		31.9	20.5	22.3
23	1022	10.0			0.71	2.6		31.9	20.5	22.3
23	1022	11.0			0.71	2.6		31.9	20.5	22.3

LOCATION: South San Francisco Bay  
 DATE: August 3, 1988  
 JULIAN DAY: 88215

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
23	1022	12.0			0.72	2.6		31.9	20.5	22.3
23	1022	13.0			0.72	2.6		31.9	20.5	22.3
23	1022	14.0			0.75	2.8		31.9	20.5	22.3
23	1022	15.0			0.76	2.8		31.9	20.5	22.3
22	1040	1.0			0.70	2.5	1.5	31.9	20.9	22.2
22	1040	2.0			0.70	2.5		31.9	20.5	22.3
22	1040	3.0			0.69	2.5		31.9	20.5	22.3
22	1040	4.0			0.67	2.3		31.9	20.4	22.3
22	1040	5.0			0.66	2.3		31.9	20.3	22.3
22	1040	6.0			0.65	2.2		31.9	20.3	22.3
22	1040	7.0			0.64	2.2		31.9	20.2	22.4
22	1040	8.0			0.65	2.2		31.9	20.2	22.4
22	1040	9.0			0.64	2.2		31.9	20.1	22.4
22	1040	10.0			0.63	2.2		31.9	20.0	22.4
22	1040	11.0			0.63	2.1		32.0	19.9	22.5
22	1040	12.0			0.62	2.1		32.0	19.9	22.5
22	1040	13.0			0.62	2.1		32.0	19.8	22.5
22	1040	14.0			0.62	2.1		32.0	19.8	22.5
22	1040	15.0			0.62	2.1		32.0	19.8	22.5
22	1040	16.0			0.63	2.1		32.0	19.7	22.5
22	1040	17.0			0.63	2.1		32.0	19.7	22.5
21	1054	1.0	2.7	0.60	0.65	2.2	1.4	31.9	20.3	22.3
21	1054	2.0			0.65	2.2		32.0	20.2	22.4
21	1054	3.0			0.65	2.2		32.0	20.1	22.4
21	1054	4.0			0.64	2.2		31.9	20.0	22.4
21	1054	5.0			0.64	2.2		31.9	19.9	22.5
21	1054	6.0			0.63	2.1		31.9	19.9	22.5
21	1054	7.0			0.64	2.2		31.9	19.8	22.5
21	1054	8.0			0.64	2.2		31.9	19.8	22.5
21	1054	9.0			0.65	2.3		32.0	19.8	22.5
21	1054	10.0			0.67	2.3		32.0	19.7	22.5
21	1054	11.0			0.65	2.3		32.0	19.7	22.5
21	1054	12.0			0.66	2.3		32.0	19.7	22.5
21	1054	13.0			0.65	2.3		32.0	19.6	22.5
21	1054	14.0			0.64	2.2		32.0	19.6	22.6
21	1054	15.0			0.63	2.1		32.0	19.5	22.6
21	1054	16.0			0.62	2.1		32.0	19.5	22.6
21	1054	17.0	2.6	0.44	0.62	2.1		32.0	19.5	22.6

Fluorometer Calibration:      n      r^2      A      B      Syx  
                                  10      0.59      -1.2      5.36      0.8

LOCATION: North San Francisco Bay  
 DATE: August 4, 1988  
 JULIAN DAY: 88216

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	614	1.0	1.2	0.50	0.45	0.9	3.5	0.1	22.2	0.0
657	614	2.0			0.45	0.9		0.1	22.2	0.0
657	614	3.0			0.44	0.9		0.1	22.2	0.0
657	614	4.0			0.45	0.9		0.1	22.2	0.0
657	614	5.0			0.45	0.9		0.1	22.2	0.0
657	614	6.0	1.6	0.43	0.45	1.0		0.1	22.2	0.0
657	614	7.0			0.45	1.0		0.1	22.2	0.0
2	746	1.0			0.68	2.5		3.2	21.1	0.4
2	746	2.0			0.68	2.5		3.2	21.1	0.4
2	746	3.0			0.68	2.5		3.2	21.1	0.4
2	746	4.0	3.4	0.45	0.69	2.5	3.6	3.2	21.1	0.4
2	746	5.0			0.70	2.6		3.2	21.1	0.4
2	746	6.0			0.70	2.6		3.2	21.1	0.4
2	746	7.0			0.71	2.7		3.4	21.2	0.5
2	746	8.0			0.71	2.7		3.4	21.2	0.5
2	746	9.0			0.72	2.7		3.5	21.2	0.6
2	746	10.0			0.72	2.7		3.5	21.3	0.6
2	746	11.0			0.71	2.7		3.5	21.3	0.6
2	746	12.0			0.71	2.7		3.5	21.3	0.6
3	810	1.0	1.9	0.29	0.69	2.5	4.6	4.5	21.2	1.3
3	810	2.0			0.69	2.5		4.5	21.2	1.4
3	810	3.0			0.69	2.5		4.5	21.2	1.4
3	810	4.0			0.69	2.5		4.5	21.2	1.4
3	810	5.0			0.69	2.5		4.6	21.2	1.4
3	810	6.0			0.70	2.6		4.6	21.2	1.4
3	810	7.0			0.70	2.6		4.6	21.2	1.4
3	810	8.0			0.71	2.7		4.6	21.2	1.4
3	810	9.0			0.73	2.8		4.6	21.2	1.4
3	810	10.0			0.73	2.8		4.6	21.2	1.4
3	810	11.0			0.72	2.7		4.6	21.2	1.4
3	810	12.0			0.72	2.7		4.6	21.2	1.4
4	839	1.0	1.4	0.28	0.60	1.9	4.6	6.2	21.0	2.7
4	839	2.0			0.60	1.9		6.3	21.0	2.7
4	839	3.0			0.60	2.0		6.3	21.0	2.8
4	839	4.0			0.60	2.0		6.4	21.1	2.8
4	839	5.0			0.61	2.0		6.4	21.1	2.8
4	839	6.0			0.60	2.0		6.4	21.1	2.9
4	839	7.0			0.63	2.1		6.5	21.1	2.9
4	839	8.0			0.63	2.1		6.4	21.1	2.9
4	839	9.0			0.64	2.2		6.4	21.1	2.9
4	839	10.0			0.64	2.2		6.4	21.1	2.9
4	839	11.0			0.63	2.2		6.4	21.1	2.8
4	839	12.0			0.64	2.2		6.4	21.1	2.8
5	906	1.0	2.0	0.44	0.57	1.7	4.0	7.7	20.8	3.9
5	906	2.0			0.57	1.7		8.1	20.9	4.1
5	906	3.0			0.58	1.8		9.3	20.9	5.1
5	906	4.0			0.60	2.0		9.9	21.0	5.5
5	906	5.0			0.61	2.0		10.0	21.0	5.5
5	906	6.0			0.63	2.1		10.0	21.0	5.6
5	906	7.0			0.64	2.2		10.0	21.0	5.6
5	906	8.0			0.66	2.3		10.0	21.0	5.6
5	906	9.0			0.67	2.4		10.0	20.9	5.6
5	906	10.0			0.68	2.5		10.0	20.9	5.6
5	906	11.0			0.67	2.4		10.0	20.9	5.6
5	906	12.0			0.66	2.3		10.0	20.9	5.6
6	938	1.0	2.0	0.44	0.57	1.8	4.6	12.5	20.4	7.6
6	938	2.0			0.57	1.8		12.6	20.4	7.6
6	938	3.0			0.57	1.8		12.7	20.4	7.7
6	938	4.0			0.57	1.8		12.6	20.4	7.6
6	938	5.0			0.59	1.9		12.6	20.4	7.7

LOCATION: North San Francisco Bay  
 DATE: August 4, 1988  
 JULIAN DAY: 88216

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
6	938	6.0			0.59	1.9		13.2	20.5	8.1
6	938	7.0			0.60	2.0		13.4	20.5	8.3
6	938	8.0			0.60	1.9		13.6	20.5	8.4
6	938	9.0			0.61	2.0		13.7	20.5	8.5
6	938	10.0			0.63	2.2		13.7	20.5	8.5
6	938	11.0			0.66	2.4		13.7	20.5	8.5
6	938	12.0	2.1	0.20	0.67	2.4		13.7	20.5	8.5
7	1007	1.0			0.54	1.6	4.2	15.8	20.3	10.1
7	1007	2.0			0.54	1.6		16.2	20.3	10.4
7	1007	3.0			0.54	1.5		16.7	20.2	10.8
7	1007	4.0			0.54	1.6		17.0	20.2	11.0
7	1007	5.0			0.55	1.6		17.1	20.2	11.1
7	1007	6.0			0.56	1.7		17.2	20.3	11.2
7	1007	7.0			0.57	1.7		17.3	20.3	11.3
7	1007	8.0			0.57	1.8		17.3	20.3	11.3
7	1007	9.0			0.58	1.8		17.4	20.3	11.3
7	1007	10.0			0.59	1.9		17.4	20.3	11.3
7	1007	11.0			0.58	1.8		17.4	20.3	11.4
7	1007	12.0			0.57	1.8		17.4	20.3	11.4
7	1007	13.0			0.56	1.7		17.4	20.3	11.4
8	1035	1.0	0.9	0.30	0.47	1.1	2.5	18.3	20.3	12.0
8	1035	2.0			0.47	1.1		18.4	20.2	12.1
8	1035	3.0			0.47	1.1		18.7	20.2	12.3
8	1035	4.0			0.46	1.0		19.0	20.2	12.5
8	1035	5.0			0.46	1.0		19.6	20.2	13.0
8	1035	6.0			0.46	1.0		20.2	20.3	13.4
8	1035	7.0			0.46	1.0		20.3	20.3	13.5
8	1035	8.0			0.47	1.1		20.5	20.3	13.7
8	1035	9.0			0.47	1.1		20.6	20.3	13.8
8	1035	10.0			0.46	1.0		20.8	20.3	13.9
8	1035	11.0			0.46	1.0		21.2	20.4	14.2
8	1035	12.0			0.47	1.1		21.6	20.4	14.4
8	1035	13.0			0.47	1.1		21.6	20.4	14.5
8	1035	14.0	0.6	0.12	0.48	1.2		21.7	20.4	14.5
9	1053	1.0			0.47	1.1	2.9	18.8	20.2	12.4
9	1053	2.0			0.47	1.1		19.3	20.3	12.7
9	1053	3.0			0.47	1.1		19.5	20.3	12.9
9	1053	4.0			0.48	1.1		19.7	20.3	13.0
9	1053	5.0			0.47	1.1		20.1	20.3	13.4
9	1053	6.0			0.47	1.1		21.0	20.3	14.0
9	1053	7.0			0.46	1.0		21.6	20.2	14.5
9	1053	8.0			0.46	1.0		21.8	20.2	14.7
9	1053	9.0			0.46	1.0		22.1	20.3	14.9
9	1053	10.0			0.45	1.0		22.2	20.3	15.0
9	1053	11.0			0.44	0.9		22.2	20.3	15.0
9	1053	12.0			0.43	0.8		22.2	20.3	15.0
9	1053	13.0			0.43	0.9		22.3	20.3	15.0
9	1053	14.0			0.43	0.8		22.4	20.3	15.1
9	1053	15.0			0.43	0.8		22.4	20.3	15.1
9	1053	16.0			0.42	0.8		22.6	20.3	15.2
9	1053	17.0			0.42	0.8		22.9	20.4	15.4
9	1053	18.0			0.41	0.7		23.3	20.4	15.7
9	1053	19.0			0.41	0.7		23.5	20.4	15.9
9	1053	20.0			0.42	0.8		23.6	20.4	16.0
9	1053	21.0			0.44	0.9		23.7	20.4	16.1
9	1053	22.0			0.46	1.0		23.7	20.4	16.1
9	1053	23.0			0.47	1.1		23.8	20.4	16.1
9	1053	24.0			0.48	1.1		23.8	20.4	16.2
10	1107	1.0			0.49	1.2	2.9	19.6	20.3	13.0
10	1107	2.0			0.49	1.2		19.6	20.3	13.0
10	1107	3.0			0.49	1.2		20.2	20.3	13.4

LOCATION: North San Francisco Bay  
 DATE: August 4, 1988  
 JULIAN DAY: 88216

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
10	1107	4.0			0.48	1.2		21.7	20.3	14.5
10	1107	5.0			0.49	1.2		22.4	20.3	15.1
10	1107	6.0			0.48	1.2		22.9	20.4	15.4
10	1107	7.0			0.49	1.2		23.0	20.4	15.6
10	1107	8.0			0.48	1.2		23.0	20.3	15.6
10	1107	9.0			0.48	1.2		23.3	20.3	15.8
10	1107	10.0			0.48	1.2		23.7	20.3	16.1
10	1107	11.0			0.46	1.0		23.8	20.3	16.2
10	1107	12.0			0.45	1.0		23.9	20.3	16.3
10	1107	13.0			0.44	0.9		24.0	20.3	16.3
10	1107	14.0			0.43	0.8		24.0	20.3	16.3
10	1107	15.0			0.44	0.9		24.0	20.4	16.3
10	1107	16.0			0.46	1.0		24.1	20.4	16.3

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  11      0.63      -2.0      6.55      0.5

LOCATION: South San Francisco Bay  
 DATE: August 17, 1988  
 JULIAN DAY: 88229

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
27	936	2.0			0.73	2.0		32.3	19.9	22.7
27	936	3.0			0.72	2.0		32.3	19.9	22.7
27	936	4.0			0.72	2.0		32.3	19.9	22.7
27	936	5.0			0.72	2.0		32.3	19.9	22.7
27	936	6.0			0.73	2.0		32.3	19.9	22.7
27	936	7.0			0.73	2.0		32.3	19.9	22.7
27	936	8.0			0.74	2.0		32.3	19.9	22.7
27	936	9.0			0.76	2.0		32.3	19.9	22.7
27	936	10.0			0.75	2.0		32.3	19.9	22.7
27	936	11.0			0.75	2.0		32.3	19.8	22.7
27	936	12.0	1.1	0.02	0.76	2.0		32.3	19.8	22.7
26	950	1.0			0.75	2.0	1.6	32.3	19.9	22.7
26	950	2.0			0.75	2.0		32.3	19.8	22.8
26	950	3.0			0.75	2.0		32.3	19.8	22.8
26	950	4.0			0.76	2.0		32.3	19.8	22.8
26	950	5.0			0.74	2.0		32.3	19.8	22.8
26	950	6.0			0.74	2.0		32.3	19.8	22.8
26	950	7.0			0.73	2.0		32.3	19.8	22.8
26	950	8.0			0.74	2.0		32.3	19.8	22.8
26	950	9.0			0.75	2.0		32.3	19.8	22.8
26	950	10.0			0.83	2.0		32.3	19.8	22.8
25	1010	1.0			0.61	2.0	1.2	32.3	19.5	22.8
25	1010	2.0			0.61	2.0		32.3	19.5	22.8
25	1010	3.0			0.60	2.0		32.3	19.5	22.8
25	1010	4.0			0.60	2.0		32.3	19.4	22.8
25	1010	5.0			0.60	2.0		32.3	19.4	22.8
25	1010	6.0			0.60	2.0		32.3	19.4	22.8
25	1010	7.0			0.60	2.0		32.2	19.4	22.8
25	1010	8.0			0.60	2.0		32.2	19.4	22.8
24	1030	1.0	2.4	0.57	0.53	2.0	1.0	32.1	19.1	22.8
24	1030	2.0			0.53	2.0		32.1	19.0	22.8
24	1030	3.0			0.53	2.0		32.1	19.0	22.9
24	1030	4.0			0.52	2.0		32.2	19.0	22.9
24	1030	5.0			0.53	2.0		32.2	18.9	22.9
24	1030	6.0			0.52	2.0		32.1	18.9	22.9
24	1030	7.0			0.53	2.0		32.1	18.9	22.9
24	1030	8.0			0.51	2.0		32.1	18.9	22.9
24	1030	9.0			0.52	2.0		32.1	18.9	22.9
24	1030	10.0			0.52	2.0		32.1	18.9	22.8
23	1048	1.0			0.56	2.0	1.1	32.2	19.5	22.7
23	1048	2.0			0.56	2.0		32.2	19.5	22.7
23	1048	3.0			0.56	2.0		32.2	19.5	22.7
23	1048	4.0			0.57	2.0		32.2	19.5	22.7
23	1048	5.0			0.56	2.0		32.2	19.5	22.7
23	1048	6.0			0.57	2.0		32.2	19.5	22.7
23	1048	7.0			0.56	2.0		32.2	19.5	22.7
23	1048	8.0			0.57	2.0		32.2	19.5	22.7
23	1048	9.0			0.56	2.0		32.2	19.5	22.7
23	1048	10.0			0.56	2.0		32.2	19.5	22.7
23	1048	11.0			0.55	2.0		32.2	19.5	22.7
23	1048	12.0			0.54	2.0		32.2	19.5	22.7
23	1048	13.0			0.55	2.0		32.2	19.5	22.7
23	1048	14.0			0.58	2.0		32.2	19.5	22.7
23	1048	15.0			0.59	2.0		32.2	19.5	22.7
23	1048	16.0			0.59	2.0		32.2	19.5	22.7
22	1108	1.0			0.53	2.0	0.9	32.2	19.2	22.8
22	1108	2.0			0.53	2.0		32.1	19.0	22.8
22	1108	3.0			0.54	2.0		32.2	19.0	22.9
22	1108	4.0			0.53	2.0		32.2	18.9	22.9
22	1108	5.0			0.54	2.0		32.2	18.9	22.9

LOCATION: South San Francisco Bay  
 DATE: August 17, 1988  
 JULIAN DAY: 88229

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32		1.0	2.0	0.45						
31	822	1.0			0.82	2.0	2.0	32.1	20.5	22.4
31	822	2.0			0.82	2.0		32.1	20.5	22.4
31	822	3.0			0.82	2.0		32.1	20.5	22.4
31	822	4.0			0.83	2.0		32.1	20.5	22.4
31	822	5.0			0.82	2.0		32.1	20.5	22.4
31	822	6.0			0.83	2.0		32.1	20.5	22.4
31	822	7.0			0.82	2.0		32.1	20.5	22.4
31	822	8.0			0.82	2.0		32.1	20.5	22.4
31	822	9.0			0.84	2.0		32.1	20.5	22.5
31	822	10.0			0.84	2.0		32.1	20.5	22.5
31	822	11.0			0.83	2.0		32.1	20.5	22.5
31	822	12.0			0.82	2.0		32.1	20.5	22.5
31	822	13.0			0.83	2.0		32.1	20.5	22.5
31	822	14.0			0.85	2.0		32.1	20.5	22.4
30	838	1.0	2.0	0.35	0.73	2.0	2.2	32.2	20.5	22.5
30	838	2.0			0.73	2.0		32.2	20.5	22.5
30	838	3.0			0.73	2.0		32.2	20.5	22.5
30	838	4.0			0.73	2.0		32.2	20.5	22.5
30	838	5.0			0.74	2.0		32.2	20.5	22.5
30	838	6.0			0.75	2.0		32.2	20.5	22.5
30	838	7.0			0.74	2.0		32.2	20.5	22.5
30	838	8.0			0.75	2.0		32.2	20.5	22.5
30	838	9.0			0.75	2.0		32.2	20.5	22.5
30	838	10.0			0.74	2.0		32.2	20.4	22.5
30	838	11.0			0.73	2.0		32.2	20.4	22.5
30	838	12.0			0.72	2.0		32.2	20.4	22.5
30	838	13.0			0.73	2.0		32.2	20.4	22.5
30	838	14.0	2.0	0.27	0.76	2.0		32.2	20.4	22.5
29	901	1.0			0.63	2.0	1.6	32.3	20.2	22.7
29	901	2.0			0.63	2.0		32.3	20.1	22.7
29	901	3.0			0.63	2.0		32.3	20.1	22.7
29	901	4.0			0.63	2.0		32.3	20.1	22.7
29	901	5.0			0.63	2.0		32.3	20.1	22.7
29	901	6.0			0.63	2.0		32.3	20.1	22.7
29	901	7.0			0.64	2.0		32.3	20.1	22.7
29	901	8.0			0.65	2.0		32.3	20.1	22.7
29	901	9.0			0.66	2.0		32.3	20.0	22.7
29	901	10.0			0.67	2.0		32.3	20.0	22.7
29	901	11.0			0.68	2.0		32.3	20.0	22.7
29	901	12.0			0.68	2.0		32.3	20.0	22.7
29	901	13.0			0.69	2.0		32.3	20.0	22.7
29	901	14.0			0.72	2.0		32.3	20.0	22.7
29	901	15.0			0.74	2.0		32.3	20.0	22.7
28	922	1.0			0.78	2.0	2.0	32.3	20.0	22.7
28	922	2.0			0.78	2.0		32.3	20.0	22.7
28	922	3.0			0.81	2.0		32.3	20.0	22.7
28	922	4.0			0.78	2.0		32.3	20.0	22.7
28	922	5.0			0.78	2.0		32.3	20.0	22.7
28	922	6.0			0.77	2.0		32.3	20.0	22.7
28	922	7.0			0.78	2.0		32.3	20.0	22.7
28	922	8.0			0.79	2.0		32.3	20.0	22.7
28	922	9.0			0.78	2.0		32.3	20.0	22.7
28	922	10.0			0.79	2.0		32.3	20.0	22.7
28	922	11.0			0.79	2.0		32.3	19.9	22.7
28	922	12.0			0.80	2.0		32.3	19.9	22.7
28	922	13.0			0.80	2.0		32.3	19.9	22.7
28	922	14.0			0.81	2.0		32.3	19.9	22.7
28	922	15.0			0.84	2.0		30.4	19.9	21.3
27	936	1.0	3.2	0.54	0.73	2.0	1.5	32.3	19.9	22.7

LOCATION: South San Francisco Bay  
 DATE: August 17, 1988  
 JULIAN DAY: 88229

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
22	1108	6.0			0.53	2.0		32.1	18.9	22.9
22	1108	7.0			0.53	2.0		32.1	18.8	22.9
22	1108	8.0			0.51	2.0		32.1	18.7	22.9
22	1108	9.0			0.51	2.0		32.1	18.7	22.9
22	1108	10.0			0.49	2.0		32.1	18.7	22.9
22	1108	11.0			0.47	2.0		32.1	18.7	22.9
22	1108	12.0			0.46	2.0		32.1	18.7	22.9
22	1108	13.0			0.47	2.0		32.1	18.6	22.9
22	1108	14.0			0.46	2.0		32.1	18.6	22.9
22	1108	15.0			0.47	2.0		32.1	18.6	22.9
22	1108	16.0			0.47	2.0		32.1	18.6	22.9
22	1108	17.0			0.48	2.0		32.1	18.6	22.9
22	1108	18.0			0.49	2.0		32.1	18.6	22.9
22	1108	19.0			0.50	2.0		32.1	18.6	22.9
21	1127	1.0	2.0	0.47	0.53	2.0	1.6	32.0	18.2	23.0
21	1127	2.0			0.53	2.0		32.0	18.1	23.0
21	1127	3.0			0.54	2.0		32.0	18.1	23.0
21	1127	4.0			0.55	2.0		32.0	18.2	23.0
21	1127	5.0			0.55	2.0		32.1	18.1	23.0
21	1127	6.0			0.55	2.0		32.1	18.1	23.0
21	1127	7.0			0.54	2.0		32.0	18.1	23.0
21	1127	8.0			0.55	2.0		32.0	18.1	23.0
21	1127	9.0			0.56	2.0		32.0	18.1	23.0
21	1127	10.0			0.56	2.0		32.0	18.1	23.0
21	1127	11.0			0.55	2.0		32.0	18.1	23.0
21	1127	12.0			0.55	2.0		32.0	18.1	23.0
21	1127	13.0			0.56	2.0		32.0	18.1	23.0
21	1127	14.0			0.56	2.0		32.0	18.1	23.0
21	1127	15.0			0.56	2.0		32.0	18.1	23.0
21	1127	16.0			0.57	2.0		32.0	18.1	23.0
21	1127	17.0	1.3	0.16	0.58	2.0		32.0	18.1	23.0

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  7    0.00    2.0    0.01    0.8



LOCATION: North San Francisco Bay  
 DATE: August 18, 1988  
 JULIAN DAY: 88230

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	624	1.0	1.0	0.34	0.46	0.6		0.1	21.3	0.0
657	624	2.0			0.46	0.6		0.1	21.3	0.0
657	624	3.0			0.46	0.6		0.1	21.3	0.0
657	624	4.0			0.46	0.6		0.1	21.3	0.0
657	624	5.0			0.46	0.7		0.1	21.3	0.0
657	624	6.0			0.47	0.7		0.1	21.3	0.0
657	624	7.0			0.47	0.7		0.1	21.3	0.0
657	624	8.0			0.47	0.7		0.1	21.3	0.0
657	624	9.0			0.47	0.8		0.1	21.3	0.0
657	624	10.0	1.1	0.32	0.48	0.6		0.1	21.3	0.0
651	721	1.0			0.68	2.9	3.9	1.4	20.0	0.0
651	721	2.0			0.68	2.9		1.5	20.2	0.0
651	721	3.0			0.69	2.9		1.6	20.3	0.0
651	721	4.0			0.70	3.0		1.7	20.3	0.0
651	721	5.0			0.70	3.0		1.7	20.3	0.0
651	721	6.0			0.70	3.0		1.7	20.3	0.0
651	721	7.0			0.70	3.0		1.7	20.3	0.0
651	721	8.0			0.71	3.1		1.7	20.4	0.0
651	721	9.0			0.71	3.2		1.7	20.4	0.0
651	721	10.0			0.73	3.3		1.7	20.4	0.0
649	740	1.0	2.9	0.44	0.71	3.1	3.8	2.7	20.6	0.1
649	740	2.0			0.71	3.1		2.7	20.7	0.1
649	740	3.0			0.71	3.1		2.8	20.8	0.1
649	740	4.0			0.72	3.2		2.8	20.8	0.1
649	740	5.0			0.72	3.2		2.8	20.8	0.2
649	740	6.0			0.71	3.2		2.8	20.8	0.2
649	740	7.0			0.71	3.1		2.8	20.9	0.2
649	740	8.0			0.71	3.1		2.8	20.9	0.2
649	740	9.0			0.70	3.0		2.9	20.9	0.2
649	740	10.0			0.69	2.9		2.9	20.9	0.2
649	740	11.0	3.0	0.45	0.68	2.8		2.9	20.9	0.2
2	805	1.0	2.2	0.41	0.61	2.2	3.7	4.4	20.4	1.4
2	805	2.0			0.61	2.2		4.4	20.4	1.4
2	805	3.0			0.61	2.2		4.4	20.4	1.4
2	805	4.0			0.62	2.2		4.4	20.4	1.4
2	805	5.0			0.62	2.2		4.4	20.4	1.4
2	805	6.0			0.62	2.2		4.4	20.4	1.4
2	805	7.0			0.62	2.2		4.4	20.4	1.4
2	805	8.0			0.62	2.2		4.4	20.4	1.4
2	805	9.0			0.62	2.2		4.4	20.4	1.4
2	805	10.0			0.62	2.2		4.4	20.4	1.4
2	805	11.0			0.61	2.2		4.4	20.4	1.4
2	805	12.0	2.5	0.38	0.61	2.1		4.4	20.4	1.4
3	826	1.0			0.57	1.7	2.9	4.7	20.3	1.8
3	826	2.0			0.57	1.7		5.3	20.3	2.2
3	826	3.0			0.56	1.7		5.5	20.2	2.3
3	826	4.0			0.56	1.7		5.6	20.2	2.4
3	826	5.0			0.56	1.6		5.7	20.2	2.5
3	826	6.0			0.56	1.6		5.9	20.3	2.6
3	826	7.0			0.55	1.6		6.1	20.3	2.7
3	826	8.0			0.55	1.6		6.2	20.4	2.8
3	826	9.0			0.55	1.5		6.2	20.4	2.8
3	826	10.0			0.54	1.5		6.2	20.4	2.8
3	826	11.0			0.53	1.3		6.2	20.4	2.8
3	826	12.0			0.52	1.3		6.2	20.4	2.8
4	850	1.0	1.3	0.34	0.52	1.2	3.0	6.5	19.9	3.2
4	850	2.0			0.52	1.2		6.6	19.9	3.2
4	850	3.0			0.52	1.2		6.6	19.9	3.4
4	850	4.0			0.52	1.2		7.0	19.9	3.5
4	850	5.0			0.52	1.3		7.1	19.9	3.6

LOCATION: North San Francisco Bay  
DATE: August 18, 1988  
JULIAN DAY: 88230

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
4	050	6.0			0.52	1.2		7.4	20.0	3.8
4	050	7.0			0.51	1.2		7.6	20.0	4.1
4	050	8.0			0.51	1.2		8.2	20.1	4.4
4	050	9.0			0.52	1.2		8.3	20.2	4.5
4	050	10.0			0.52	1.2		8.3	20.2	4.5
4	050	11.0			0.51	1.2		8.3	20.2	4.5
4	050	12.0			0.51	1.1		8.3	20.2	4.5
4	050	13.0	1.1	0.23	0.52	1.2		8.3	20.2	4.5
5	925	1.0			0.52	1.2	3.2	9.0	19.9	5.0
5	925	2.0			0.52	1.2		9.2	20.0	5.2
5	925	3.0			0.51	1.2		9.4	20.0	5.3
5	925	4.0			0.52	1.3		9.4	20.0	5.3
5	925	5.0			0.52	1.2		9.7	20.1	5.5
5	925	6.0			0.53	1.3		10.0	20.1	5.8
5	925	7.0			0.53	1.3		10.2	20.1	5.9
5	925	8.0			0.53	1.3		10.3	20.1	6.0
5	925	9.0			0.53	1.3		10.4	20.1	6.0
5	925	10.0			0.54	1.4		10.4	20.1	6.1
6	952	1.0	0.6	0.21	0.50	1.0	2.7	10.7	19.6	6.4
6	952	2.0			0.50	1.0		11.2	19.5	6.8
6	952	3.0			0.50	1.0		11.4	19.6	6.9
6	952	4.0			0.50	1.0		11.7	19.9	7.1
6	952	5.0			0.49	0.9		12.3	19.8	7.6
6	952	6.0			0.50	1.0		13.3	19.8	8.3
6	952	7.0			0.50	1.1		13.7	19.8	8.7
6	952	8.0			0.51	1.2		14.0	19.7	8.9
6	952	9.0			0.52	1.3		14.2	19.7	9.0
6	952	10.0			0.52	1.2		14.6	19.7	9.4
6	952	11.0			0.51	1.2		14.8	19.6	9.5
6	952	12.0	0.8	0.22	0.51	1.1		14.9	19.6	9.6
7	1015	1.0	0.8	0.24	0.45	0.5	2.4	13.8	19.5	8.8
7	1015	2.0			0.45	0.5		13.9	19.5	8.9
7	1015	3.0			0.45	0.5		14.7	19.5	9.5
7	1015	4.0			0.45	0.5		14.9	19.5	9.6
7	1015	5.0			0.45	0.5		14.9	19.5	9.7
7	1015	6.0			0.45	0.6		15.0	19.5	9.7
7	1015	7.0			0.46	0.6		15.0	19.5	9.7
7	1015	8.0			0.46	0.7		15.0	19.5	9.7
7	1015	9.0			0.48	0.8		15.0	19.5	9.7
7	1015	10.0			0.47	0.7		15.1	19.5	9.8
7	1015	11.0			0.48	0.8		15.5	19.5	10.0
7	1015	12.0			0.48	0.9		15.7	19.5	10.2
7	1015	13.0			0.49	0.9		15.9	19.5	10.4
7	1015	14.0			0.49	0.9		16.1	19.5	10.5
8	1132	1.0			0.47	0.8	2.2	14.1	19.7	9.0
8	1132	2.0			0.47	0.8		14.4	19.5	9.3
8	1132	3.0			0.47	0.8		14.6	19.5	9.4
8	1132	4.0			0.47	0.8		14.9	19.4	9.7
8	1132	5.0			0.49	0.9		15.3	19.4	10.0
8	1132	6.0			0.49	0.9		15.9	19.3	10.4
8	1132	7.0			0.49	0.9		16.3	19.4	10.7
8	1132	8.0			0.49	1.0		16.6	19.4	11.0
8	1132	9.0			0.49	0.9		17.2	19.3	11.4
8	1132	10.0			0.47	0.8		17.8	19.3	11.9
8	1132	11.0			0.46	0.6		18.1	19.3	12.1
8	1132	12.0			0.45	0.6		18.5	19.3	12.4
8	1132	13.0			0.44	0.4		19.5	19.3	13.2
8	1132	14.0			0.45	0.5		20.2	19.3	13.6
9	1150	1.0			0.45	0.6	2.6	16.7	19.3	11.0
9	1150	2.0			0.45	0.6		16.8	19.3	11.1

LOCATION: North San Francisco Bay  
 DATE: August 18, 1988  
 JULIAN DAY: 88230

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9	1150	3.0			0.45	0.6		16.9	19.3	11.2
9	1150	4.0			0.45	0.5		17.1	19.3	11.3
9	1150	5.0			0.45	0.6		17.1	19.3	11.4
9	1150	6.0			0.46	0.6		17.2	19.3	11.4
9	1150	7.0			0.46	0.6		17.3	19.3	11.5
9	1150	8.0			0.46	0.7		17.3	19.3	11.5
9	1150	9.0			0.46	0.7		17.4	19.3	11.5
9	1150	10.0			0.45	0.6		17.4	19.3	11.6
9	1150	11.0			0.44	0.4		17.5	19.3	11.6
9	1150	12.0			0.43	0.4		17.6	19.3	11.7
9	1150	13.0			0.43	0.4		18.0	19.3	12.0
9	1150	14.0			0.45	0.6		18.5	19.3	12.4
9	1150	15.0			0.46	0.7		19.4	19.3	13.1
9	1150	16.0			0.47	0.8		20.1	19.3	13.6
9	1150	17.0			0.48	0.8		20.3	19.3	13.8
9	1150	18.0			0.47	0.8		20.5	19.3	13.9
9	1150	19.0			0.48	0.9		20.6	19.3	14.0
9	1150	20.0			0.49	0.9		20.7	19.3	14.0
9	1150	21.0			0.49	0.9		20.7	19.3	14.1
9	1150	22.0			0.49	1.0		20.8	19.3	14.1
9	1150	23.0			0.49	1.0		20.8	19.3	14.1
9	1150	24.0			0.49	1.0		20.9	19.3	14.2
9	1150	25.0			0.50	1.0		21.1	19.3	14.3
9	1150	26.0			0.50	1.0		21.3	19.3	14.5
9	1150	27.0			0.50	1.0		21.7	19.4	14.8
9	1150	28.0			0.50	1.0		22.0	19.4	15.0
9	1150	29.0			0.50	1.0		22.1	19.4	15.1
10	1154	1.0	0.5	0.20	0.47	0.7	2.3	17.1	19.4	11.3
10	1154	2.0			0.47	0.7		17.4	19.4	11.5
10	1154	3.0			0.47	0.7		17.6	19.4	11.7
10	1154	4.0			0.46	0.7		17.8	19.3	11.8
10	1154	5.0			0.46	0.7		18.7	19.3	12.5
10	1154	6.0			0.47	0.7		19.4	19.3	13.1
10	1154	7.0			0.46	0.7		19.7	19.3	13.3
10	1154	8.0			0.47	0.7		19.9	19.3	13.4
10	1154	9.0			0.47	0.8		20.0	19.3	13.5
10	1154	10.0			0.46	0.7		20.3	19.3	13.7
10	1154	11.0			0.45	0.5		20.6	19.3	13.9
10	1154	12.0			0.44	0.5		20.8	19.3	14.1
10	1154	13.0			0.46	0.6		21.0	19.3	14.3
10	1154	14.0			0.45	0.5		21.2	19.4	14.4
10	1154	15.0			0.47	0.7		21.5	19.4	14.7
10	1154	16.0			0.47	0.7		21.6	19.4	14.7
10	1154	17.0			0.48	0.8		21.6	19.4	14.7
10	1154	18.0	0.8	0.15	0.48	0.9		21.8	19.4	14.9

Fluorometer Calibration:      n      r^2      A      B      Syx  
                                  13      0.91      -3.9      9.89      0.3

LOCATION: South San Francisco Bay  
 DATE: August 31, 1988  
 JULIAN DAY: 88244

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	816	1.0	1.2	0.37	0.69	2.8	2.1	32.2	22.0	22.1
32	816	2.0			0.69	2.8		32.2	22.0	22.1
32	816	3.0			0.70	2.8		32.2	22.0	22.1
32	816	4.0			0.71	2.9		32.2	22.0	22.1
32	816	5.0			0.72	2.9		32.2	22.0	22.1
32	816	6.0			0.72	3.0		32.2	22.0	22.1
32	816	7.0			0.73	3.0		32.2	22.0	22.1
32	816	8.0			0.73	3.0		32.2	22.0	22.1
32	816	9.0			0.74	3.0		32.2	22.0	22.1
32	816	10.0			0.73	3.0		32.2	22.0	22.1
32	816	11.0	1.1	0.17	0.73	3.0		32.2	22.0	22.1
31	828	1.0			0.73	3.0	2.7	32.3	22.0	22.2
31	828	2.0			0.73	3.0		32.3	22.0	22.2
31	828	3.0			0.74	3.0		32.3	22.0	22.2
31	828	4.0			0.73	3.0		32.3	22.0	22.2
31	828	5.0			0.74	3.1		32.3	22.0	22.2
31	828	6.0			0.74	3.1		32.3	22.0	22.2
31	828	7.0			0.75	3.1		32.3	22.0	22.2
31	828	8.0			0.76	3.2		32.4	22.0	22.2
31	828	9.0			0.76	3.2		32.4	21.9	22.2
31	828	10.0			0.75	3.1		32.4	21.9	22.2
31	828	11.0			0.76	3.2		32.3	22.0	22.2
31	828	12.0			0.83	3.6		32.3	22.0	22.2
30	843	1.0	2.2	0.32	0.71	2.9	3.9	32.4	21.9	22.3
30	843	2.0			0.71	2.9		32.4	21.9	22.3
30	843	3.0			0.71	2.9		32.4	21.9	22.3
30	843	4.0			0.72	3.0		32.4	21.9	22.3
30	843	5.0			0.73	3.0		32.4	21.9	22.3
30	843	6.0			0.74	3.1		32.4	21.9	22.3
30	843	7.0			0.75	3.1		32.4	21.8	22.3
30	843	8.0			0.76	3.2		32.4	21.8	22.3
30	843	9.0			0.78	3.3		32.4	21.8	22.3
30	843	10.0			0.77	3.2		32.4	21.8	22.3
30	843	11.0			0.76	3.2		32.4	21.8	22.3
30	843	12.0			0.77	3.2		32.4	21.8	22.3
30	843	13.0			0.77	3.2		32.4	21.8	22.3
30	843	14.0	2.0	0.21	0.76	3.2		32.4	21.8	22.3
29	908	1.0			0.72	2.9	2.2	32.4	21.5	22.4
29	908	2.0			0.72	2.9		32.4	21.5	22.4
29	908	3.0			0.72	2.9		32.4	21.5	22.4
29	908	4.0			0.72	2.9		32.4	21.5	22.4
29	908	5.0			0.71	2.9		32.4	21.5	22.4
29	908	6.0			0.73	3.0		32.4	21.5	22.4
29	908	7.0			0.76	3.2		32.5	21.5	22.4
29	908	8.0			0.80	3.4		32.5	21.5	22.4
29	908	9.0			0.81	3.5		32.5	21.5	22.4
29	908	10.0			0.85	3.7		32.5	21.5	22.4
29	908	11.0			0.87	3.8		32.5	21.5	22.4
29	908	12.0			0.91	4.1		32.5	21.5	22.4
29	908	13.0			0.92	4.1		32.5	21.5	22.4
29	908	14.0			0.95	4.3		32.5	21.5	22.4
29	908	15.0			0.95	4.3		32.5	21.5	22.4
28	920	1.0			0.78	3.3	2.8	32.4	21.3	22.5
28	920	2.0			0.78	3.3		32.4	21.3	22.5
28	920	3.0			0.79	3.3		32.4	21.3	22.5
28	920	4.0			0.81	3.5		32.4	21.3	22.5
28	920	5.0			0.82	3.5		32.4	21.3	22.5
28	920	6.0			0.83	3.6		32.4	21.3	22.5
28	920	7.0			0.85	3.7		32.4	21.3	22.5
28	920	8.0			0.86	3.7		32.4	21.3	22.5
28	920	9.0			0.88	3.9		32.4	21.3	22.5

LOCATION: South San Francisco Bay  
 DATE: August 31, 1988  
 JULIAN DAY: 88244

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	920	10.0			0.87	3.8				
28	920	11.0			0.87	3.8		32.4	21.3	22.5
28	920	12.0			0.87	3.8		32.4	21.3	22.5
28	920	13.0			0.87	3.8		32.4	21.3	22.5
28	920	14.0			0.88	3.9		32.4	21.3	22.5
28	920	15.0			0.90	4.0		32.4	21.3	22.5
27	932	1.0	4.0	0.54	0.82	3.5	1.9	32.4	21.1	22.5
27	932	2.0			0.82	3.5		32.4	21.1	22.5
27	932	3.0			0.82	3.5		32.4	21.1	22.5
27	932	4.0			0.81	3.5		32.4	21.1	22.5
27	932	5.0			0.82	3.5		32.4	21.1	22.5
27	932	6.0			0.82	3.5		32.4	21.1	22.5
27	932	7.0			0.85	3.7		32.4	21.1	22.5
27	932	8.0			0.86	3.8		32.4	21.0	22.5
27	932	9.0			0.90	4.0		32.4	21.0	22.5
27	932	10.0			0.92	4.1		32.4	21.0	22.5
27	932	11.0			0.93	4.2		32.4	21.0	22.5
27	932	12.0	5.2	0.33	0.99	4.5		32.4	21.0	22.5
26	945	1.0			0.80	3.4	1.7	32.4	20.8	22.6
26	945	2.0			0.80	3.4		32.4	20.7	22.6
26	945	3.0			0.79	3.3		32.4	20.7	22.6
26	945	4.0			0.80	3.4		32.4	20.7	22.6
26	945	5.0			0.81	3.5		32.4	20.7	22.6
26	945	6.0			0.83	3.6		32.4	20.7	22.6
26	945	7.0			0.85	3.7		32.4	20.7	22.6
26	945	8.0			0.87	3.8		32.4	20.7	22.6
26	945	9.0			0.89	3.9		32.4	20.7	22.6
26	945	10.0			0.89	3.9		32.4	20.7	22.6
25	1005	1.0			0.75	3.1	1.6	32.3	20.4	22.6
25	1005	2.0			0.75	3.1		32.3	20.4	22.6
25	1005	3.0			0.75	3.1		32.3	20.4	22.6
25	1005	4.0			0.74	3.1		32.3	20.4	22.6
25	1005	5.0			0.74	3.1		32.3	20.4	22.6
25	1005	6.0			0.76	3.2		32.3	20.4	22.6
25	1005	7.0			0.76	3.2		32.3	20.4	22.6
25	1005	8.0			0.77	3.2		32.3	20.4	22.6
24	1021	1.0	4.0	0.62	0.69	2.8	1.2	32.2	20.1	22.6
24	1021	2.0			0.69	2.8		32.2	20.0	22.6
24	1021	3.0			0.68	2.7		32.2	20.0	22.6
24	1021	4.0			0.69	2.8		32.2	20.0	22.6
24	1021	5.0			0.70	2.8		32.2	20.0	22.7
24	1021	6.0			0.70	2.8		32.2	20.0	22.7
24	1021	7.0			0.67	2.7		32.2	20.0	22.7
24	1021	8.0			0.69	2.7		32.2	20.0	22.7
24	1021	9.0			0.69	2.7		32.2	20.0	22.7
24	1021	10.0			0.66	2.6		32.2	20.0	22.7
24	1021	11.0	4.8	0.59	0.68	2.7		32.2	20.0	22.7
23	1040	1.0			0.81	3.5	1.2	32.3	20.6	22.5
23	1040	2.0			0.81	3.5		32.3	20.5	22.6
23	1040	3.0			0.82	3.5		32.3	20.5	22.6
23	1040	4.0			0.81	3.4		32.3	20.5	22.6
23	1040	5.0			0.80	3.4		32.3	20.5	22.6
23	1040	6.0			0.77	3.3		32.3	20.5	22.6
23	1040	7.0			0.81	3.5		32.3	20.5	22.6
23	1040	8.0			0.80	3.4		32.3	20.5	22.6
23	1040	9.0			0.81	3.5		32.3	20.5	22.6
23	1040	10.0			0.80	3.4		32.3	20.5	22.6
23	1040	11.0			0.81	3.5		32.3	20.5	22.6
23	1040	12.0			0.84	3.7		32.3	20.6	22.6
23	1040	13.0			0.82	3.5		32.3	20.6	22.6

LOCATION: South San Francisco Bay  
 DATE: August 31, 1988  
 JULIAN DAY: 88244

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
23	1040	14.0			0.85	3.7		32.3	20.6	22.6
23	1040	15.0			0.92	4.1		32.3	20.6	22.6
22	1101	1.0			0.69	2.8	0.9	32.2	19.8	22.7
22	1101	2.0			0.69	2.8		32.2	19.8	22.7
22	1101	3.0			0.69	2.8		32.2	19.8	22.7
22	1101	4.0			0.68	2.7		32.2	19.8	22.7
22	1101	5.0			0.67	2.7		32.2	19.8	22.7
22	1101	6.0			0.66	2.6		32.2	19.7	22.7
22	1101	7.0			0.66	2.6		32.2	19.7	22.7
22	1101	8.0			0.67	2.6		32.2	19.7	22.7
22	1101	9.0			0.65	2.6		32.2	19.7	22.7
22	1101	10.0			0.65	2.5		32.2	19.7	22.7
22	1101	11.0			0.66	2.6		32.2	19.6	22.7
22	1101	12.0			0.67	2.7		32.2	19.6	22.7
22	1101	13.0			0.66	2.6		32.2	19.5	22.7
22	1101	14.0			0.68	2.7		32.2	19.5	22.8
22	1101	15.0			0.69	2.7		32.2	19.5	22.8
22	1101	16.0			0.70	2.8		32.2	19.4	22.8
22	1101	17.0			0.71	2.9		32.2	19.4	22.8
22	1101	18.0			0.77	3.3		32.2	19.4	22.8
21	1116	1.0	2.5	0.56	0.58	2.1	0.9	32.1	19.2	22.7
21	1116	2.0			0.58	2.1		32.1	18.9	22.8
21	1116	3.0			0.60	2.3		32.1	18.9	22.9
21	1116	4.0			0.60	2.3		32.1	18.8	22.9
21	1116	5.0			0.62	2.3		32.1	18.8	22.9
21	1116	6.0			0.60	2.2		32.1	18.8	22.9
21	1116	7.0			0.59	2.2		32.1	18.8	22.9
21	1116	8.0			0.58	2.1		32.1	18.8	22.9
21	1116	9.0			0.60	2.3		32.1	18.8	22.9
21	1116	10.0			0.60	2.3		32.1	18.8	22.9
21	1116	11.0			0.61	2.3		32.1	18.8	22.9
21	1116	12.0			0.62	2.4		32.1	18.8	22.9
21	1116	13.0			0.61	2.3		32.1	18.8	22.9
21	1116	14.0			0.65	2.5		32.1	18.8	22.9
21	1116	15.0	3.2	0.38	0.65	2.5		32.1	18.8	22.9

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  10      0.21      -1.3      5.84      1.4

LOCATION: North San Francisco Bay  
 DATE: September 1, 1988  
 JULIAN DAY: 88245

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	616	1.0	1.3	0.29	0.57	1.3		0.1	22.9	0.0
657	616	2.0			0.57	1.3		0.1	22.9	0.0
657	616	3.0			0.57	1.3		0.1	22.9	0.0
657	616	4.0			0.57	1.4		0.1	22.9	0.0
657	616	5.0			0.57	1.4		0.1	22.9	0.0
657	616	6.0			0.57	1.4		0.1	22.9	0.0
657	616	7.0			0.57	1.3		0.1	22.9	0.0
657	616	8.0			0.56	1.3		0.1	22.9	0.0
657	616	9.0			0.57	1.3		0.1	22.9	0.0
657	616	10.0			0.56	1.3		0.1	22.9	0.0
657	616	11.0	1.6	0.27	0.54	1.2		0.1	22.9	0.0
649	724	1.0	1.4	0.22	0.59	1.5	4.5	3.8	21.1	0.8
649	724	2.0			0.59	1.5		3.8	21.1	0.8
649	724	3.0			0.59	1.5		3.8	21.1	0.8
649	724	4.0			0.59	1.5		3.8	21.1	0.8
649	724	5.0			0.59	1.4		3.8	21.0	0.9
649	724	6.0			0.59	1.4		3.8	21.0	0.9
649	724	7.0			0.59	1.4		3.9	21.0	0.9
649	724	8.0			0.59	1.5		3.9	21.0	1.0
649	724	9.0			0.59	1.5		3.9	21.0	1.0
649	724	10.0			0.57	1.4		3.9	21.0	1.0
649	724	11.0	1.8	0.31	0.58	1.4		3.9	21.0	0.9
2	748	1.0	1.1	0.16	0.59	1.5	5.8	5.8	21.0	2.4
2	748	2.0			0.59	1.5		5.8	21.0	2.4
2	748	3.0			0.60	1.5		5.8	21.0	2.4
2	748	4.0			0.60	1.5		5.8	21.0	2.4
2	748	5.0			0.60	1.5		5.8	21.0	2.4
2	748	6.0			0.60	1.5		5.8	21.0	2.4
2	748	7.0			0.60	1.5		5.8	21.0	2.4
2	748	8.0			0.60	1.5		5.8	20.9	2.4
2	748	9.0			0.59	1.5		5.8	20.9	2.4
2	748	10.0			0.58	1.4		5.8	20.9	2.4
2	748	11.0			0.59	1.4		5.8	20.9	2.4
2	748	12.0	1.3	0.19	0.58	1.4		5.8	20.9	2.4
3	808	1.0			0.57	1.4	5.6	7.4	20.6	3.7
3	808	2.0			0.57	1.4		7.4	20.6	3.7
3	808	3.0			0.58	1.4		7.4	20.6	3.7
3	808	4.0			0.58	1.4		7.4	20.6	3.7
3	808	5.0			0.58	1.4		7.4	20.6	3.7
3	808	6.0			0.58	1.4		7.4	20.6	3.7
3	808	7.0			0.58	1.4		7.4	20.6	3.7
3	808	8.0			0.58	1.4		7.4	20.6	3.7
3	808	9.0			0.58	1.4		7.4	20.6	3.7
3	808	10.0			0.57	1.4		7.5	20.6	3.7
3	808	11.0			0.55	1.3		7.5	20.6	3.7
4	831	1.0	1.2	0.21	0.58	1.4	6.1	9.0	20.1	5.0
4	831	2.0			0.58	1.4		9.2	20.1	5.1
4	831	3.0			0.58	1.4		9.3	20.1	5.2
4	831	4.0			0.58	1.4		9.3	20.1	5.2
4	831	5.0			0.59	1.4		9.4	20.1	5.3
4	831	6.0			0.58	1.4		9.4	20.2	5.3
4	831	7.0			0.58	1.4		9.5	20.2	5.4
4	831	8.0			0.58	1.4		9.6	20.2	5.4
4	831	9.0			0.58	1.4		9.7	20.2	5.5
4	831	10.0			0.57	1.3		9.7	20.2	5.5
4	831	11.0			0.57	1.3		9.8	20.2	5.6
4	831	12.0			0.55	1.2		9.8	20.2	5.6
4	831	13.0			0.55	1.2		9.8	20.2	5.6
4	831	14.0	1.2	0.21	0.56	1.3		9.8	20.2	5.6
5	913	1.0			0.56	1.3	7.6	11.4	20.0	6.8

LOCATION: North San Francisco Bay  
 DATE: September 1, 1988  
 JULIAN DAY: 88245

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
5	913	2.0			0.56	1.3		11.4	20.0	6.8
5	913	3.0			0.57	1.3		11.4	20.0	6.8
5	913	4.0			0.57	1.3		11.4	20.1	6.8
5	913	5.0			0.57	1.3		11.4	20.1	6.8
5	913	6.0			0.57	1.3		11.4	20.1	6.8
5	913	7.0			0.58	1.4		12.2	20.3	7.4
5	913	8.0			0.58	1.4		12.4	20.3	7.5
5	913	9.0			0.59	1.4		12.5	20.3	7.6
5	913	10.0			0.59	1.5		12.6	20.3	7.7
6	943	1.0	1.4	0.33	0.54	1.1	6.0	14.8	19.9	9.4
6	943	2.0			0.54	1.1		14.8	19.9	9.4
6	943	3.0			0.54	1.1		14.8	19.9	9.4
6	943	4.0			0.54	1.2		14.8	19.9	9.4
6	943	5.0			0.54	1.2		14.8	20.0	9.5
6	943	6.0			0.54	1.1		15.0	20.1	9.6
6	943	7.0			0.53	1.1		15.3	20.1	9.8
6	943	8.0			0.54	1.1		15.5	20.1	9.9
6	943	9.0			0.54	1.1		15.6	20.1	10.0
6	943	10.0			0.54	1.1		15.7	20.1	10.1
6	943	11.0			0.53	1.1		15.8	20.1	10.2
7	1009	1.0			0.53	1.1	5.3	17.3	19.9	11.3
7	1009	2.0			0.53	1.1		17.3	19.9	11.3
7	1009	3.0			0.54	1.1		17.4	19.9	11.4
7	1009	4.0			0.53	1.1		17.4	20.0	11.4
7	1009	5.0			0.53	1.1		17.4	20.0	11.4
7	1009	6.0			0.53	1.0		17.4	20.0	11.4
7	1009	7.0			0.53	1.1		17.6	20.0	11.5
7	1009	8.0			0.53	1.1		17.7	20.0	11.6
7	1009	9.0			0.54	1.1		17.9	20.0	11.8
7	1009	10.0			0.53	1.1		18.1	20.0	11.9
7	1009	11.0			0.52	1.0		18.2	20.0	12.0
7	1009	12.0			0.52	1.0		18.3	20.0	12.0
7	1009	13.0			0.54	1.2		18.3	20.0	12.1
8	1038	1.0	1.0	0.34	0.47	0.7	2.4	18.8	20.0	12.5
8	1038	2.0			0.47	0.7		19.1	20.0	12.7
8	1038	3.0			0.47	0.7		19.2	20.0	12.8
8	1038	4.0			0.46	0.6		19.3	19.9	12.8
8	1038	5.0			0.45	0.6		19.4	19.9	12.9
8	1038	6.0			0.45	0.5		19.6	20.0	13.1
8	1038	7.0			0.45	0.5		20.3	20.0	13.6
8	1038	8.0			0.45	0.5		20.6	20.0	13.8
8	1038	9.0			0.44	0.5		20.7	20.0	13.9
8	1038	10.0			0.44	0.5		21.0	20.0	14.1
8	1038	11.0			0.43	0.5		21.3	20.0	14.3
8	1038	12.0			0.42	0.4		21.5	20.0	14.5
8	1038	13.0			0.42	0.4		21.5	20.0	14.5
8	1038	14.0			0.41	0.3		21.6	20.0	14.5
8	1038	15.0	0.3	0.08	0.41	0.3		21.6	20.0	14.5
9	1057	1.0			0.43	0.4	2.1	20.2	20.0	13.5
9	1057	2.0			0.43	0.4		20.3	20.0	13.6
9	1057	3.0			0.43	0.4		20.6	20.0	13.8
9	1057	4.0			0.43	0.5		21.1	20.0	14.2
9	1057	5.0			0.43	0.4		21.2	20.0	14.3
9	1057	6.0			0.43	0.4		21.5	20.0	14.5
9	1057	7.0			0.43	0.5		21.6	20.0	14.6
9	1057	8.0			0.44	0.5		21.8	20.0	14.7
9	1057	9.0			0.44	0.5		21.8	20.0	14.8
9	1057	10.0			0.44	0.5		21.9	20.0	14.8
9	1057	11.0			0.43	0.4		21.9	20.0	14.8
9	1057	12.0			0.42	0.4		21.9	20.0	14.8
9	1057	13.0			0.42	0.4		21.9	20.0	14.8



LOCATION: North San Francisco Bay  
 DATE: September 1, 1988  
 JULIAN DAY: 88245

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9	1057	14.0			0.42	0.4		22.0	20.0	14.9
9	1057	15.0			0.41	0.3		22.0	20.0	14.9
9	1057	16.0			0.41	0.3		22.1	20.0	14.9
9	1057	17.0			0.41	0.3		22.1	20.0	15.0
9	1057	18.0			0.41	0.3		22.2	20.0	15.0
9	1057	19.0			0.41	0.3		22.3	20.0	15.1
9	1057	20.0			0.40	0.3		22.4	20.0	15.2
9	1057	21.0			0.40	0.3		22.7	20.0	15.4
9	1057	22.0			0.40	0.3		23.1	20.0	15.7
9	1057	23.0			0.40	0.3		23.2	20.0	15.8
9	1057	24.0			0.41	0.3		23.5	19.9	16.0
9	1057	25.0			0.43	0.4		23.6	19.9	16.1
10	1117	1.0	0.4	0.17	0.42	0.4	2.1	20.7	20.0	13.9
10	1117	2.0			0.42	0.4		21.5	20.0	14.5
10	1117	3.0			0.42	0.4		21.8	20.0	14.7
10	1117	4.0			0.42	0.4		22.6	19.9	15.3
10	1117	5.0			0.43	0.4		23.1	19.9	15.8
10	1117	6.0			0.43	0.4		23.5	19.9	16.0
10	1117	7.0			0.44	0.5		23.8	19.9	16.3
10	1117	8.0			0.45	0.6		24.1	19.9	16.5
10	1117	9.0			0.46	0.6		24.2	19.9	16.6
10	1117	10.0			0.45	0.6		24.3	19.9	16.6
10	1117	11.0			0.45	0.5		24.3	19.9	16.7
10	1117	12.0			0.45	0.5		24.4	19.9	16.7
10	1117	13.0			0.44	0.5		24.6	19.9	16.9
10	1117	14.0			0.43	0.4		24.8	19.9	17.0
10	1117	15.0			0.43	0.4		24.9	19.9	17.1
10	1117	16.0			0.43	0.4		24.9	19.8	17.1
10	1117	17.0			0.44	0.5		25.0	19.8	17.2
10	1117	18.0			0.42	0.4		25.0	19.8	17.2
10	1117	19.0	0.0	0.00	0.45	0.6		25.1	19.8	17.3

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  13      0.66      -2.3      6.41      0.3

LOCATION: South San Francisco Bay  
 DATE: September 14, 1988  
 JULIAN DAY: 88258

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	805	1.0	1.0	0.29	0.57	1.6	1.6	31.6	20.7	22.0
32	805	2.0			0.57	1.6		31.7	20.7	22.0
32	805	3.0			0.57	1.6		31.7	20.7	22.1
32	805	4.0			0.57	1.6		31.8	20.7	22.1
32	805	5.0			0.57	1.6		31.9	20.7	22.2
32	805	6.0			0.58	1.6		31.9	20.7	22.2
32	805	7.0			0.60	1.6		32.0	20.7	22.3
32	805	8.0			0.66	1.4		32.0	20.7	22.3
32	805	9.0	1.0	0.19	0.63	1.5		32.0	20.7	22.3
31	815	1.0			0.59	1.6	2.1	32.1	20.7	22.4
31	815	2.0			0.59	1.6		32.1	20.7	22.4
31	815	3.0			0.59	1.6		32.1	20.7	22.4
31	815	4.0			0.59	1.6		32.2	20.6	22.4
31	815	5.0			0.60	1.5		32.2	20.6	22.5
31	815	6.0			0.60	1.5		32.3	20.5	22.5
31	815	7.0			0.60	1.5		32.3	20.5	22.6
31	815	8.0			0.61	1.5		32.3	20.4	22.6
31	815	9.0			0.61	1.5		32.3	20.4	22.6
31	815	10.0			0.61	1.5		32.3	20.4	22.6
31	815	11.0			0.61	1.5		32.3	20.4	22.6
30	832	1.0	1.8	0.35	0.63	1.5	2.7	32.3	20.6	22.6
30	832	2.0			0.63	1.5		32.3	20.6	22.6
30	832	3.0			0.63	1.5		32.3	20.6	22.6
30	832	4.0			0.64	1.4		32.3	20.6	22.6
30	832	5.0			0.65	1.4		32.3	20.6	22.6
30	832	6.0			0.65	1.4		32.3	20.6	22.6
30	832	7.0			0.66	1.4		32.3	20.6	22.6
30	832	8.0			0.67	1.4		32.3	20.6	22.6
30	832	9.0			0.67	1.4		32.4	20.6	22.6
30	832	10.0			0.68	1.3		32.4	20.6	22.6
30	832	11.0			0.68	1.3		32.4	20.6	22.6
30	832	12.0			0.69	1.3		32.4	20.6	22.6
30	832	13.0	1.8	0.23	0.69	1.3		32.4	20.6	22.6
29	855	1.0			0.57	1.6	2.3	32.5	20.2	22.8
29	855	2.0			0.57	1.6		32.5	20.2	22.8
29	855	3.0			0.57	1.6		32.5	20.2	22.8
29	855	4.0			0.57	1.6		32.5	20.2	22.8
29	855	5.0			0.57	1.6		32.5	20.2	22.8
29	855	6.0			0.59	1.6		32.5	20.2	22.8
29	855	7.0			0.59	1.6		32.5	20.2	22.8
29	855	8.0			0.59	1.6		32.5	20.2	22.8
29	855	9.0			0.59	1.6		32.5	20.2	22.8
29	855	10.0			0.58	1.6		32.5	20.2	22.8
29	855	11.0			0.59	1.6		32.5	20.2	22.8
29	855	12.0			0.59	1.6		32.5	20.2	22.8
29	855	13.0			0.59	1.6		32.5	20.2	22.8
29	855	14.0			0.60	1.6		32.5	20.2	22.8
28	907	1.0			0.60	1.6	2.3	32.5	20.0	22.8
28	907	2.0			0.60	1.6		32.5	20.0	22.9
28	907	3.0			0.60	1.6		32.5	20.0	22.8
28	907	4.0			0.60	1.6		32.5	20.0	22.8
28	907	5.0			0.59	1.6		32.5	20.0	22.9
28	907	6.0			0.59	1.6		32.5	20.0	22.9
28	907	7.0			0.60	1.5		32.5	20.0	22.9
28	907	8.0			0.60	1.5		32.5	20.0	22.9
28	907	9.0			0.61	1.5		32.5	20.0	22.9
28	907	10.0			0.61	1.5		32.5	20.0	22.9
28	907	11.0			0.61	1.5		32.5	20.0	22.9
28	907	12.0			0.61	1.5		32.5	20.0	22.9
28	907	13.0			0.61	1.5		32.5	20.0	22.9
28	907	14.0			0.60	1.5		32.5	20.0	22.9

LOCATION: South San Francisco Bay  
 DATE: September 14, 1988  
 JULIAN DAY: 88258

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
27	922	1.0	1.6	0.36	0.56	1.7	1.7	32.5	19.8	22.9
27	922	2.0			0.56	1.7		32.5	19.8	22.9
27	922	3.0			0.55	1.7		32.5	19.8	22.9
27	922	4.0			0.55	1.7		32.5	19.9	22.9
27	922	5.0			0.56	1.7		32.5	19.9	22.9
27	922	6.0			0.56	1.7		32.5	19.9	22.9
27	922	7.0			0.57	1.6		32.5	19.9	22.9
27	922	8.0			0.57	1.6		32.5	19.9	22.9
27	922	9.0			0.58	1.6		32.5	19.9	22.9
27	922	10.0			0.57	1.6		32.5	19.9	22.9
27	922	11.0	1.4	0.21	0.58	1.6		32.5	19.8	22.9
26	938	1.0			0.53	1.7	1.6	32.5	19.6	23.0
26	938	2.0			0.53	1.7		32.5	19.6	23.0
26	938	3.0			0.53	1.7		32.5	19.6	23.0
26	938	4.0			0.53	1.7		32.5	19.6	23.0
26	938	5.0			0.53	1.7		32.5	19.6	22.9
26	938	6.0			0.54	1.7		32.5	19.6	23.0
26	938	7.0			0.54	1.7		32.5	19.6	23.0
26	938	8.0			0.55	1.7		32.5	19.6	23.0
26	938	9.0			0.54	1.7		32.5	19.6	23.0
26	938	10.0			0.54	1.7		32.5	19.6	23.0
25	955	1.0			0.52	1.8	1.4	32.5	19.5	23.0
25	955	2.0			0.52	1.8		32.5	19.5	23.0
25	955	3.0			0.52	1.8		32.5	19.5	23.0
25	955	4.0			0.51	1.8		32.5	19.5	23.0
25	955	5.0			0.51	1.8		32.5	19.5	23.0
25	955	6.0			0.51	1.8		32.5	19.5	23.0
25	955	7.0			0.51	1.8		32.5	19.5	23.0
25	955	8.0			0.50	1.8		32.5	19.5	23.0
24	1017	1.0	1.8	0.46	0.55	1.7	1.2	32.4	19.7	22.9
24	1017	2.0			0.55	1.7		32.5	19.7	22.9
24	1017	3.0			0.54	1.7		32.5	19.7	22.9
24	1017	4.0			0.54	1.7		32.5	19.7	22.9
24	1017	5.0			0.53	1.7		32.5	19.7	22.9
24	1017	6.0			0.54	1.7		32.5	19.7	22.9
24	1017	7.0			0.53	1.7		32.5	19.6	22.9
24	1017	8.0			0.54	1.7		32.5	19.6	22.9
24	1017	9.0			0.54	1.7		32.5	19.6	22.9
24	1017	10.0	1.1	0.15	0.54	1.7		32.5	19.6	22.9
23	1033	1.0			0.54	1.7	1.2	32.3	19.6	22.8
23	1033	2.0			0.54	1.7		32.4	19.5	22.9
23	1033	3.0			0.54	1.7		32.4	19.5	22.9
23	1033	4.0			0.54	1.7		32.4	19.5	22.9
23	1033	5.0			0.55	1.7		32.3	19.5	22.9
23	1033	6.0			0.54	1.7		32.4	19.5	22.9
23	1033	7.0			0.54	1.7		32.4	19.5	22.9
23	1033	8.0			0.53	1.7		32.4	19.5	22.9
23	1033	9.0			0.53	1.7		32.4	19.5	22.9
23	1033	10.0			0.53	1.8		32.4	19.5	22.9
23	1033	11.0			0.52	1.8		32.4	19.5	22.9
23	1033	12.0			0.53	1.7		32.4	19.5	22.9
23	1033	13.0			0.55	1.7		32.4	19.5	22.9
23	1033	14.0			0.56	1.7		32.4	19.5	22.9
23	1033	15.0			0.57	1.6		32.4	19.5	22.9
22	1055	1.0			0.51	1.8	0.8	32.2	18.2	23.1
22	1055	2.0			0.51	1.8		32.2	18.1	23.1
22	1055	3.0			0.51	1.8		32.2	18.1	23.1
22	1055	4.0			0.50	1.8		32.2	18.1	23.1
22	1055	5.0			0.51	1.8		32.2	18.0	23.1

LOCATION: South San Francisco Bay  
 DATE: September 14, 1988  
 JULIAN DAY: 88258

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22	1055	6.0			0.50	1.8		32.2	18.0	23.2
22	1055	7.0			0.50	1.8		32.2	18.0	23.1
22	1055	8.0			0.50	1.8		32.2	18.0	23.1
22	1055	9.0			0.50	1.8		32.2	18.0	23.2
22	1055	10.0			0.49	1.9		32.2	18.0	23.1
22	1055	11.0			0.50	1.8		32.2	18.0	23.2
22	1055	12.0			0.50	1.8		32.2	18.0	23.2
22	1055	13.0			0.53	1.7		32.2	18.0	23.2
22	1055	14.0			0.52	1.8		32.2	18.0	23.2
22	1055	15.0			0.52	1.8		32.2	18.0	23.2
22	1055	16.0			0.53	1.7		32.2	18.0	23.2
22	1055	17.0			0.55	1.7		32.2	18.0	23.2
22	1055	18.0			0.55	1.7		32.2	18.0	23.1
21	1111	1.0	2.6	0.63	0.51	1.8	1.0	32.2	17.7	23.2
21	1111	2.0			0.51	1.8		32.2	17.6	23.2
21	1111	3.0			0.52	1.8		32.2	17.5	23.3
21	1111	4.0			0.52	1.8		32.2	17.5	23.3
21	1111	5.0			0.52	1.8		32.2	17.5	23.2
21	1111	6.0			0.52	1.8		32.2	17.5	23.3
21	1111	7.0			0.52	1.8		32.2	17.5	23.3
21	1111	8.0			0.50	1.8		32.2	17.5	23.3
21	1111	9.0			0.51	1.8		32.2	17.5	23.3
21	1111	10.0			0.49	1.8		32.2	17.5	23.3
21	1111	11.0			0.49	1.9		32.2	17.5	23.3
21	1111	12.0			0.48	1.9		32.2	17.5	23.3
21	1111	13.0			0.47	1.9		32.2	17.5	23.3
21	1111	14.0			0.48	1.9		32.2	17.4	23.3
21	1111	15.0			0.48	1.9		32.2	17.5	23.3
21	1111	16.0			0.49	1.8		32.2	17.4	23.3
21	1111	17.0	2.1	0.40	0.49	1.9		32.2	17.4	23.3
20	1144	1.0			0.50	1.8	0.8	31.9	16.8	23.2
20	1144	2.0			0.50	1.8		31.9	16.8	23.2
20	1144	3.0			0.52	1.8		31.9	16.8	23.2
20	1144	4.0			0.52	1.8		31.9	16.8	23.2
20	1144	5.0			0.53	1.7		31.9	16.8	23.2
20	1144	6.0			0.54	1.7		31.9	16.8	23.2
20	1144	7.0			0.54	1.7		32.0	16.7	23.3
20	1144	8.0			0.55	1.7		32.1	16.6	23.4
20	1144	9.0			0.54	1.7		32.2	16.5	23.5
20	1144	10.0			0.53	1.7		32.2	16.5	23.5
20	1144	11.0			0.52	1.8		32.2	16.5	23.5
20	1144	12.0			0.52	1.8		32.2	16.5	23.5
20	1144	13.0			0.52	1.8		32.3	16.5	23.5
20	1144	14.0			0.51	1.8		32.3	16.5	23.5
20	1144	15.0			0.51	1.8		32.3	16.4	23.6
20	1144	16.0			0.54	1.7		32.3	16.4	23.6
20	1144	17.0			0.53	1.7		32.3	16.4	23.6
20	1144	18.0			0.53	1.7		32.3	16.4	23.6
20	1144	19.0			0.55	1.7		32.3	16.4	23.6
20	1144	20.0			0.55	1.7		32.3	16.4	23.6
20	1144	21.0			0.54	1.7		32.3	16.4	23.6
20	1144	22.0			0.58	1.6		32.3	16.4	23.6
20	1144	23.0			0.62	1.5		32.3	16.4	23.6
0		1.0	0.0	0.00						

Fluorometer Calibration:      n      r^2      A      B      Syx  
                                  10      0.11      3.2      -2.73      0.5

LOCATION: North San Francisco Bay  
 DATE: September 15, 1988  
 JULIAN DAY: 88259

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	633	1.0	1.5	0.39	0.50	1.0		0.1	20.2	0.0
657	633	2.0			0.50	1.0		0.1	20.2	0.0
657	633	3.0			0.50	1.0		0.1	20.2	0.0
657	633	4.0			0.51	1.0		0.1	20.2	0.0
657	633	5.0			0.51	1.0		0.1	20.2	0.0
657	633	6.0			0.51	1.0		0.1	20.2	0.0
657	633	7.0			0.51	1.0		0.1	20.2	0.0
657	633	8.0			0.52	1.0		0.1	20.2	0.0
657	633	9.0			0.52	1.0		0.1	20.2	0.0
657	633	10.0	1.4	0.36	0.52	1.0		0.1	20.1	0.0
653	711	1.0			0.65	1.2	3.7	1.1	19.1	0.0
653	711	2.0			0.65	1.2		1.1	19.1	0.0
653	711	3.0			0.65	1.2		1.1	19.1	0.0
653	711	4.0			0.65	1.2		1.1	19.2	0.0
653	711	5.0			0.65	1.2		1.0	19.2	0.0
653	711	6.0			0.68	1.2		1.0	19.2	0.0
653	711	7.0			0.68	1.2		1.1	19.1	0.0
653	711	8.0			0.66	1.2		1.1	19.1	0.0
653	711	9.0			0.67	1.2		1.1	19.1	0.0
653	711	10.0			0.67	1.2		1.1	19.1	0.0
650	737	1.0			0.59	1.1	4.5	3.1	19.0	0.8
650	737	2.0			0.59	1.1		3.1	19.0	0.8
650	737	3.0			0.59	1.1		3.1	19.1	0.8
650	737	4.0			0.59	1.1		3.2	19.1	0.8
650	737	5.0			0.60	1.1		3.2	19.2	0.8
650	737	6.0			0.60	1.1		3.2	19.2	0.8
650	737	7.0			0.60	1.1		3.2	19.2	0.8
650	737	8.0			0.60	1.1		3.2	19.2	0.8
650	737	9.0			0.60	1.1		3.2	19.2	0.8
650	737	10.0			0.58	1.1		3.3	19.2	0.9
649	749	1.0			0.62	1.2	5.3	3.8	18.9	1.3
649	749	2.0			0.62	1.2		3.8	19.0	1.3
649	749	3.0			0.62	1.2		3.8	19.0	1.3
649	749	4.0			0.62	1.2		3.9	19.0	1.3
649	749	5.0			0.63	1.2		3.9	19.0	1.4
649	749	6.0			0.62	1.2		4.0	19.1	1.4
649	749	7.0			0.62	1.2		4.0	19.1	1.4
649	749	8.0			0.62	1.2		4.0	19.1	1.4
649	749	9.0			0.61	1.2		4.0	19.1	1.4
649	749	10.0			0.61	1.1		4.0	19.1	1.5
649	749	11.0			0.59	1.1		4.0	19.1	1.5
2	814	1.0	0.9	0.19	0.55	1.1	4.5	5.8	19.0	2.8
2	814	2.0			0.55	1.1		5.8	19.0	2.8
2	814	3.0			0.55	1.1		5.8	19.0	2.8
2	814	4.0			0.58	1.1		5.9	19.0	2.9
2	814	5.0			0.55	1.1		6.0	19.0	2.9
2	814	6.0			0.55	1.1		6.1	19.0	3.0
2	814	7.0			0.55	1.1		6.1	19.0	3.1
2	814	8.0			0.55	1.1		6.1	19.0	3.1
2	814	9.0			0.55	1.1		6.1	19.0	3.1
2	814	10.0	1.2	0.22	0.55	1.1		6.1	19.0	3.1
3	833	1.0			0.54	1.1	4.5	6.8	18.7	3.6
3	833	2.0			0.54	1.1		6.8	18.7	3.6
3	833	3.0			0.54	1.1		6.8	18.7	3.6
3	833	4.0			0.54	1.1		6.9	18.8	3.7
3	833	5.0			0.55	1.1		6.9	18.9	3.7
3	833	6.0			0.55	1.1		6.9	18.9	3.7
3	833	7.0			0.55	1.1		6.9	18.9	3.7
3	833	8.0			0.55	1.1		6.9	18.9	3.7
3	833	9.0			0.55	1.1		7.0	18.9	3.7

LOCATION: North San Francisco Bay  
 DATE: September 15, 1988  
 JULIAN DAY: 88259

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
3	833	10.0			0.54	1.1		7.0	18.9	
3	833	11.0			0.53	1.1		7.0	18.9	3.7
3	833	12.0			0.52	1.0		7.0	18.9	3.7
4	856	1.0			0.51	1.0	3.7	8.4	18.6	4.9
4	856	2.0			0.51	1.0		8.5	18.6	4.9
4	856	3.0			0.52	1.0		8.6	18.7	5.0
4	856	4.0			0.52	1.0		8.8	18.7	5.2
4	856	5.0			0.53	1.0		8.9	18.8	5.2
4	856	6.0			0.53	1.1		9.1	18.9	5.3
4	856	7.0			0.53	1.1		9.2	18.9	5.4
4	856	8.0			0.53	1.1		9.2	18.9	5.4
4	856	9.0			0.53	1.1		9.3	18.9	5.5
4	856	10.0			0.53	1.1		9.3	18.9	5.5
4	856	11.0			0.52	1.0		9.3	18.9	5.5
5	957	1.0	1.3	0.34	0.52	1.0	4.2	10.0	18.4	6.1
5	957	2.0			0.52	1.0		10.0	18.4	6.1
5	957	3.0			0.52	1.0		10.0	18.4	6.2
5	957	4.0			0.53	1.0		10.3	18.4	6.3
5	957	5.0			0.54	1.1		10.4	18.4	6.4
5	957	6.0			0.54	1.1		10.4	18.4	6.4
5	957	7.0			0.55	1.1		10.4	18.4	6.5
5	957	8.0			0.55	1.1		10.5	18.4	6.5
5	957	9.0			0.56	1.1		10.5	18.4	6.5
5	957	10.0			0.55	1.1		10.7	18.4	6.7
5	957	11.0	0.9	0.17	0.55	1.1		10.8	18.5	6.7
6	1021	1.0			0.55	1.1	4.5	11.7	18.7	7.4
6	1021	2.0			0.55	1.1		12.0	18.7	7.6
6	1021	3.0			0.56	1.1		12.0	18.7	7.6
6	1021	4.0			0.55	1.1		12.0	18.7	7.6
6	1021	5.0			0.56	1.1		12.1	18.7	7.7
6	1021	6.0			0.56	1.1		12.1	18.7	7.7
6	1021	7.0			0.56	1.1		12.1	18.7	7.7
6	1021	8.0			0.56	1.1		12.1	18.7	7.7
6	1021	9.0			0.56	1.1		12.1	18.7	7.7
7	1050	1.0	0.5	0.13	0.53	1.1	3.8	14.9	18.5	9.9
7	1050	2.0			0.53	1.1		15.0	18.5	9.9
7	1050	3.0			0.53	1.1		15.1	18.5	10.0
7	1050	4.0			0.53	1.1		15.2	18.5	10.1
7	1050	5.0			0.53	1.0		15.3	18.5	10.1
7	1050	6.0			0.52	1.0		15.3	18.5	10.2
7	1050	7.0			0.52	1.0		15.5	18.6	10.3
7	1050	8.0			0.53	1.1		15.6	18.6	10.4
7	1050	9.0			0.53	1.1		15.8	18.6	10.5
7	1050	10.0			0.52	1.0		15.9	18.6	10.6
7	1050	11.0	0.9	0.21	0.52	1.0		16.0	18.6	10.6
8	1111	1.0			0.50	1.0	3.2	15.9	18.6	10.6
8	1111	2.0			0.50	1.0		16.2	18.5	10.8
8	1111	3.0			0.49	1.0		16.7	18.5	11.2
8	1111	4.0			0.49	1.0		17.0	18.6	11.4
8	1111	5.0			0.49	1.0		17.1	18.6	11.5
8	1111	6.0			0.49	1.0		17.2	18.6	11.6
8	1111	7.0			0.48	1.0		17.4	18.6	11.7
8	1111	8.0			0.49	1.0		17.6	18.6	11.8
8	1111	9.0			0.49	1.0		17.9	18.7	12.0
8	1111	10.0			0.48	1.0		17.9	18.7	12.1
8	1111	11.0			0.45	1.0		18.0	18.7	12.1
8	1111	12.0			0.46	1.0		18.1	18.8	12.2
8	1111	13.0			0.44	1.0		18.5	18.8	12.5
9	1128	1.0			0.45	1.0	2.5	18.6	18.6	12.6

LOCATION: North San Francisco Bay  
 DATE: September 15, 1988  
 JULIAN DAY: 88259

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
9	1128	2.0			0.45	1.0		18.7	18.6	12.7
9	1128	3.0			0.45	1.0		18.9	18.6	12.8
9	1128	4.0			0.45	1.0		18.9	18.7	12.9
9	1128	5.0			0.48	1.0		19.0	18.7	12.9
9	1128	6.0			0.48	1.0		19.0	18.7	12.9
9	1128	7.0			0.46	1.0		19.0	18.7	12.9
9	1128	8.0			0.46	1.0		19.0	18.7	12.9
9	1128	9.0			0.46	1.0		19.0	18.7	12.9
9	1128	10.0			0.45	1.0		19.1	18.7	13.0
9	1128	11.0			0.44	0.9		19.1	18.7	13.0
9	1128	12.0			0.43	0.9		19.2	18.7	13.0
9	1128	13.0			0.43	0.9		19.3	18.8	13.1
9	1128	14.0			0.42	0.9		19.4	18.8	13.2
9	1128	15.0			0.41	0.9		20.1	18.8	13.7
9	1128	16.0			0.41	0.9		20.5	18.8	14.0
9	1128	17.0			0.41	0.9		21.1	18.9	14.4
9	1128	18.0			0.41	0.9		21.1	18.9	14.4
9	1128	19.0			0.41	0.9		21.1	18.9	14.5
9	1128	20.0			0.41	0.9		21.2	18.9	14.5
9	1128	21.0			0.41	0.9		21.3	18.9	14.6
9	1128	22.0			0.42	0.9		21.4	18.9	14.7
9	1128	23.0			0.41	0.9		21.4	18.9	14.7
9	1128	24.0			0.41	0.9		21.5	18.9	14.7
9	1128	25.0			0.41	0.9		21.6	18.9	14.8
9	1128	26.0			0.41	0.9		21.9	18.9	15.1
9	1128	27.0			0.41	0.9		22.0	18.9	15.2
9	1128	28.0			0.41	0.9		22.0	18.9	15.2
9	1128	29.0			0.41	0.9		22.1	18.9	15.3
10	1140	1.0	1.0	0.42	0.46	1.0	2.3	19.3	18.8	13.1
10	1140	2.0			0.46	1.0		19.4	18.7	13.2
10	1140	3.0			0.45	1.0		19.6	18.7	13.4
10	1140	4.0			0.45	1.0		19.9	18.7	13.6
10	1140	5.0			0.45	1.0		20.2	18.7	13.8
10	1140	6.0			0.44	0.9		20.4	18.7	14.0
10	1140	7.0			0.45	1.0		20.6	18.8	14.1
10	1140	8.0			0.45	1.0		20.6	18.8	14.2
10	1140	9.0			0.48	1.0		21.0	18.8	14.4
10	1140	10.0			0.44	1.0		21.2	18.8	14.6
10	1140	11.0			0.44	0.9		21.6	18.8	14.8
10	1140	12.0			0.43	0.9		21.9	18.8	15.1
10	1140	13.0			0.42	0.9		22.1	18.8	15.2
10	1140	14.0			0.42	0.9		22.2	18.8	15.3
10	1140	15.0			0.41	0.9		22.2	18.8	15.3
10	1140	16.0			0.41	0.9		22.1	18.8	15.3
10	1140	17.0			0.41	0.9		22.1	18.8	15.2
10	1140	18.0	0.7	0.23	0.41	0.9		22.1	18.8	15.2
11	1205	1.0			0.45	1.0	1.6	21.5	18.9	14.8
11	1205	2.0			0.45	1.0		21.6	18.8	14.8
11	1205	3.0			0.44	1.0		21.8	18.8	15.0
11	1205	4.0			0.44	0.9		22.3	18.8	15.4
11	1205	5.0			0.43	0.9		22.6	18.8	15.6
11	1205	6.0			0.43	0.9		23.4	18.8	16.3
11	1205	7.0			0.43	0.9		23.7	18.8	16.5
11	1205	8.0			0.43	0.9		23.8	18.8	16.5
11	1205	9.0			0.44	0.9		24.0	18.8	16.7
11	1205	10.0			0.44	0.9		24.1	18.8	16.8
11	1205	11.0			0.43	0.9		24.4	18.8	17.0
11	1205	12.0			0.42	0.9		24.6	18.8	17.2
11	1205	13.0			0.42	0.9		24.6	18.8	17.3
11	1205	14.0			0.41	0.9		24.9	18.8	17.4
11	1205	15.0			0.42	0.9		25.2	18.7	17.6
11	1205	16.0			0.44	1.0		25.7	18.7	18.0
11	1205	17.0			0.45	1.0		25.8	18.7	18.0

LOCATION: North San Francisco Bay  
 DATE: September 15, 1988  
 JULIAN DAY: 88259

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
11	1205	18.0			0.47	1.0		25.8	18.7	18.0
12	1222	1.0			0.42	0.9	1.6	22.7	18.9	15.7
12	1222	2.0			0.42	0.9		23.6	18.8	16.4
12	1222	3.0			0.43	0.9		24.4	18.7	17.0
12	1222	4.0			0.43	0.9		24.8	18.7	17.3
12	1222	5.0			0.43	0.9		25.2	18.7	17.6
12	1222	6.0			0.43	0.9		25.6	18.7	17.9
12	1222	7.0			0.44	0.9		26.3	18.7	18.5
12	1222	8.0			0.45	1.0		26.9	18.7	18.9
12	1222	9.0			0.46	1.0		27.4	18.6	19.3
12	1222	10.0			0.47	1.0		27.5	18.6	19.4
12	1222	11.0			0.48	1.0		27.5	18.6	19.4
13	1248	1.0			0.43	0.9	1.1	27.2	18.4	19.2
13	1248	2.0			0.43	0.9		28.1	18.3	19.9
13	1248	3.0			0.43	0.9		28.4	18.3	20.1
13	1248	4.0			0.43	0.9		28.6	18.2	20.4
13	1248	5.0			0.42	0.9		28.8	18.2	20.4
13	1248	6.0			0.41	0.9		28.8	18.2	20.5
13	1248	7.0			0.41	0.9		28.9	18.2	20.8
13	1248	8.0			0.42	0.9		29.0	18.2	20.6
13	1248	9.0			0.43	0.9		29.1	18.2	20.7
13	1248	10.0			0.43	0.9		29.1	18.2	20.7
13	1248	11.0			0.44	1.0		29.1	18.2	20.7
13	1248	12.0			0.46	1.0		29.1	18.2	20.7

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  10    0.03    0.4    1.21    0.3



LOCATION: South San Francisco Bay  
 DATE: October 5, 1988  
 JULIAN DAY: 88279

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32	757	1.0	1.7	0.45	0.60	3.0	1.7	32.3	19.2	22.9
32	757	2.0			0.60	3.0		32.3	19.2	22.9
32	757	3.0			0.60	3.0		32.3	19.2	22.9
32	757	4.0			0.60	3.0		32.2	19.2	22.9
32	757	5.0			0.60	3.0		32.3	19.2	22.9
32	757	6.0			0.60	3.0		32.3	19.2	22.9
32	757	7.0			0.61	3.1		32.3	19.2	22.9
32	757	8.0			0.61	3.1		32.3	19.2	22.9
32	757	9.0			0.62	3.1		32.3	19.2	22.9
32	757	10.0			0.63	3.1		32.3	19.2	22.9
31	815	1.0			0.56	3.0	2.3	32.4	19.1	23.0
31	815	2.0			0.56	3.0		32.4	19.1	23.0
31	815	3.0			0.55	3.0		32.4	19.1	23.0
31	815	4.0			0.56	3.0		32.4	19.1	23.0
31	815	5.0			0.57	3.0		32.4	19.1	23.0
31	815	6.0			0.57	3.0		32.4	19.1	23.0
31	815	7.0			0.58	3.0		32.4	19.1	23.0
31	815	8.0			0.58	3.0		32.4	19.1	23.0
31	815	9.0			0.58	3.0		32.4	19.1	23.0
31	815	10.0			0.56	3.0		32.4	19.1	23.0
31	815	11.0			0.56	3.0		32.4	19.1	23.0
31	815	12.0			0.56	3.0		32.4	19.1	23.0
31	815	13.0			0.55	3.0		32.4	19.1	23.0
30	845	1.0	2.3	0.55	0.58	3.0	1.6	32.5	19.0	23.1
30	845	2.0			0.58	3.0		32.5	19.0	23.1
30	845	3.0			0.58	3.0		32.5	19.0	23.1
30	845	4.0			0.57	3.0		32.5	19.0	23.1
30	845	5.0			0.57	3.0		32.5	19.0	23.1
30	845	6.0			0.57	3.0		32.5	18.9	23.1
30	845	7.0			0.57	3.0		32.5	18.9	23.2
30	845	8.0			0.58	3.0		32.5	18.9	23.2
30	845	9.0			0.61	3.1		32.5	18.9	23.2
30	845	10.0			0.62	3.1		32.5	18.9	23.2
30	845	11.0			0.63	3.1		32.5	18.9	23.2
30	845	12.0	2.4	0.25	0.66	3.1		32.5	18.9	23.2
29	917	1.0			0.59	3.0	2.9	32.5	18.8	23.1
29	917	2.0			0.59	3.0		32.5	18.8	23.1
29	917	3.0			0.60	3.0		32.5	18.8	23.1
29	917	4.0			0.60	3.0		32.4	18.8	23.1
29	917	5.0			0.60	3.0		32.4	18.8	23.1
29	917	6.0			0.60	3.0		32.5	18.8	23.1
29	917	7.0			0.61	3.1		32.5	18.8	23.1
29	917	8.0			0.61	3.1		32.5	18.8	23.2
29	917	9.0			0.63	3.1		32.5	18.8	23.2
29	917	10.0			0.62	3.1		32.5	18.8	23.2
29	917	11.0			0.62	3.1		32.5	18.8	23.2
29	917	12.0			0.62	3.1		32.5	18.8	23.2
29	917	13.0			0.62	3.1		32.5	18.8	23.2
29	917	14.0			0.61	3.1		32.5	18.8	23.2
29	917	15.0			0.61	3.1		32.5	18.8	23.2
28	933	1.0			0.59	3.0	2.3	32.6	18.7	23.2
28	933	2.0			0.59	3.0		32.6	18.7	23.2
28	933	3.0			0.59	3.0		32.6	18.7	23.2
28	933	4.0			0.58	3.0		32.6	18.7	23.2
28	933	5.0			0.60	3.0		32.5	18.7	23.2
28	933	6.0			0.60	3.1		32.6	18.7	23.2
28	933	7.0			0.61	3.1		32.6	18.7	23.2
28	933	8.0			0.62	3.1		32.6	18.7	23.2
28	933	9.0			0.63	3.1		32.6	18.7	23.2
28	933	10.0			0.62	3.1		32.6	18.7	23.2
28	933	11.0			0.62	3.1		32.6	18.7	23.2

LOCATION: South San Francisco Bay  
DATE: October 5, 1988  
JULIAN DAY: 88279

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	933	12.0			0.62	3.1		32.6	18.7	23.2
28	933	13.0			0.63	3.1		32.6	18.7	23.2
28	933	14.0			0.63	3.1		32.6	18.7	23.2
28	933	15.0			0.64	3.1		32.6	18.7	23.2
28	933	16.0			0.65	3.1		32.6	18.7	23.2
27	950	1.0	3.0	0.53	0.71	3.2	1.8	32.6	18.6	23.3
27	950	2.0			0.71	3.2		32.6	18.6	23.3
27	950	3.0			0.69	3.2		32.6	18.6	23.3
27	950	4.0			0.69	3.2		32.6	18.6	23.3
27	950	5.0			0.68	3.2		32.6	18.6	23.3
27	950	6.0			0.69	3.2		32.6	18.6	23.3
27	950	7.0			0.69	3.2		32.6	18.6	23.3
27	950	8.0			0.71	3.2		32.6	18.6	23.3
27	950	9.0			0.71	3.2		32.6	18.6	23.3
27	950	10.0			0.71	3.2		32.6	18.6	23.3
27	950	11.0			0.71	3.2		32.6	18.6	23.3
27	950	12.0			0.70	3.2		32.6	18.6	23.3
27	950	13.0	3.7	0.41	0.72	3.3		32.6	18.6	23.3
26	1005	1.0			0.67	3.2	1.7	32.5	18.6	23.2
26	1005	2.0			0.67	3.2		32.5	18.6	23.2
26	1005	3.0			0.68	3.2		32.5	18.6	23.2
26	1005	4.0			0.66	3.2		32.5	18.6	23.2
26	1005	5.0			0.65	3.1		32.5	18.6	23.2
26	1005	6.0			0.65	3.1		32.5	18.6	23.2
26	1005	7.0			0.64	3.1		32.5	18.6	23.2
26	1005	8.0			0.65	3.1		32.5	18.6	23.2
26	1005	9.0			0.66	3.2		32.5	18.6	23.2
26	1005	10.0			0.67	3.2		32.5	18.6	23.2
26	1005	11.0			0.64	3.1		32.5	18.6	23.2
25	1023	1.0			0.64	3.1	1.4	32.5	18.6	23.2
25	1023	2.0			0.64	3.1		32.5	18.6	23.2
25	1023	3.0			0.63	3.1		32.5	18.6	23.2
25	1023	4.0			0.63	3.1		32.5	18.6	23.2
25	1023	5.0			0.63	3.1		32.5	18.6	23.2
25	1023	6.0			0.64	3.1		32.5	18.6	23.2
25	1023	7.0			0.63	3.1		32.5	18.6	23.2
25	1023	8.0			0.63	3.1		32.5	18.6	23.2
25	1023	9.0			0.64	3.1		32.5	18.6	23.2
24	1113	1.0	3.4	0.71	0.56	3.0	0.9	32.0	17.2	23.2
24	1113	2.0			0.56	3.0		32.0	17.2	23.2
24	1113	3.0			0.54	2.9		32.0	17.2	23.2
24	1113	4.0			0.56	3.0		32.0	17.2	23.2
24	1113	5.0			0.55	2.9		32.0	17.1	23.2
24	1113	6.0			0.57	3.0		32.0	17.1	23.2
24	1113	7.0			0.56	3.0		32.0	17.1	23.2
24	1113	8.0			0.57	3.0		32.0	17.1	23.2
24	1113	9.0			0.56	3.0		32.0	17.1	23.2
24	1113	10.0			0.54	2.9		32.0	17.1	23.2
24	1113	11.0	3.6	0.71	0.54	2.9		32.0	17.1	23.2
23	1128	1.0			0.64	3.1	0.8	31.8	16.6	23.2
23	1128	2.0			0.64	3.1		31.8	16.6	23.2
23	1128	3.0			0.63	3.1		31.8	16.6	23.2
23	1128	4.0			0.60	3.0		31.9	16.6	23.2
23	1128	5.0			0.59	3.0		31.9	16.6	23.2
23	1128	6.0			0.59	3.0		31.9	16.6	23.2
23	1128	7.0			0.58	3.0		31.9	16.6	23.2
23	1128	8.0			0.57	3.0		31.9	16.6	23.2
23	1128	9.0			0.56	3.0		31.9	16.6	23.2
23	1128	10.0			0.55	3.0		31.9	16.6	23.2
23	1128	11.0			0.54	2.9		31.9	16.6	23.2

LOCATION: South San Francisco Bay  
 DATE: October 5, 1988  
 JULIAN DAY: 88279

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
23	1128	12.0			0.51	2.9		31.9	16.6	23.2
23	1128	13.0			0.51	2.9		31.9	16.6	23.2
23	1128	14.0			0.51	2.9		31.9	16.6	23.2
23	1128	15.0			0.52	2.9		31.9	16.6	23.2
23	1128	16.0			0.50	2.9		31.9	16.6	23.2
23	1128	17.0			0.49	2.8		31.9	16.7	23.2
22	1144	1.0			0.64	3.1	0.7	31.9	16.4	23.3
22	1144	2.0			0.64	3.1		31.9	16.3	23.3
22	1144	3.0			0.62	3.1		31.9	16.3	23.3
22	1144	4.0			0.62	3.1		31.9	16.3	23.3
22	1144	5.0			0.58	3.0		31.9	16.3	23.3
22	1144	6.0			0.56	3.0		31.9	16.3	23.3
22	1144	7.0			0.55	3.0		32.0	16.2	23.4
22	1144	8.0			0.55	2.9		32.0	16.2	23.4
22	1144	9.0			0.55	3.0		32.1	16.2	23.4
22	1144	10.0			0.53	2.9		32.1	16.2	23.5
22	1144	11.0			0.51	2.9		32.1	16.2	23.5
22	1144	12.0			0.50	2.9		32.1	16.1	23.5
22	1144	13.0			0.52	2.9		32.1	16.0	23.5
22	1144	14.0			0.51	2.9		32.2	16.0	23.6
22	1144	15.0			0.50	2.9		32.2	16.0	23.6
22	1144	16.0			0.51	2.9		32.2	16.0	23.6
22	1144	17.0			0.51	2.9		32.2	16.0	23.6
22	1144	18.0			0.51	2.9		32.2	16.0	23.6
21	1158	1.0	4.2	0.72	0.71	3.2	0.8	31.6	16.7	23.0
21	1158	2.0			0.71	3.2		31.6	16.7	23.0
21	1158	3.0			0.67	3.2		31.7	16.7	23.1
21	1158	4.0			0.64	3.1		31.8	16.7	23.1
21	1158	5.0			0.63	3.1		31.9	16.5	23.3
21	1158	6.0			0.61	3.1		32.0	16.2	23.4
21	1158	7.0			0.61	3.1		32.1	16.2	23.4
21	1158	8.0			0.59	3.0		32.1	16.2	23.5
21	1158	9.0			0.58	3.0		32.1	16.1	23.5
21	1158	10.0			0.58	3.0		32.1	16.1	23.5
21	1158	11.0			0.55	3.0		32.2	16.0	23.6
21	1158	12.0			0.53	2.9		32.2	16.0	23.6
21	1158	13.0			0.54	2.9		32.2	16.0	23.6
21	1158	14.0			0.51	2.9		32.2	16.0	23.6
21	1158	15.0			0.52	2.9		32.2	15.9	23.6
21	1158	16.0			0.52	2.9		32.2	15.9	23.6
21	1158	17.0			0.52	2.9		32.2	15.9	23.6
21	1158	18.0	3.5	0.54	0.53	2.9		32.2	15.9	23.6

Fluorometer Calibration:    n    r^2    A    B    Syx  
                                  9    0.03    2.0    1.81    0.9

LOCATION: North San Francisco Bay  
 DATE: October 6, 1988  
 JULIAN DAY: 88280

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	740	1.0	1.9	0.54	0.46	1.2	1.9	0.1	19.2	0.0
657	740	2.0			0.46	1.2		0.1	19.2	0.0
657	740	3.0			0.46	1.2		0.1	19.2	0.0
657	740	4.0			0.46	1.2		0.1	19.2	0.0
657	740	5.0			0.46	1.2		0.1	19.2	0.0
657	740	6.0			0.47	1.3		0.1	19.2	0.0
657	740	7.0			0.47	1.3		0.1	19.2	0.0
657	740	8.0			0.48	1.3		0.1	19.2	0.0
657	740	9.0	1.8	0.52	0.48	1.3		0.1	19.2	0.0
655	805	1.0			0.47	1.3	1.8	0.1	19.0	0.0
655	805	2.0			0.47	1.3		0.1	19.0	0.0
655	805	3.0			0.47	1.3		0.1	19.0	0.0
655	805	4.0			0.47	1.3		0.1	19.0	0.0
655	805	5.0			0.47	1.3		0.1	19.0	0.0
655	805	6.0			0.47	1.3		0.1	19.0	0.0
655	805	7.0			0.47	1.3		0.1	19.0	0.0
655	805	8.0			0.47	1.3		0.1	19.0	0.0
655	805	9.0			0.48	1.3		0.1	19.0	0.0
653	820	1.0			0.52	1.6	1.9	0.2	18.7	0.0
653	820	2.0			0.52	1.6		0.2	18.7	0.0
653	820	3.0			0.52	1.6		0.2	18.7	0.0
653	820	4.0			0.52	1.6		0.2	18.7	0.0
653	820	5.0			0.52	1.6		0.2	18.7	0.0
653	820	6.0			0.52	1.6		0.2	18.6	0.0
653	820	7.0			0.53	1.6		0.2	18.6	0.0
653	820	8.0			0.53	1.6		0.2	18.6	0.0
653	820	9.0			0.54	1.7		0.2	18.6	0.0
651	839	1.0			0.59	2.0	2.3	0.6	18.3	0.0
651	839	2.0			0.59	2.0		0.6	18.3	0.0
651	839	3.0			0.59	2.0		0.6	18.3	0.0
651	839	4.0			0.59	2.0		0.6	18.3	0.0
651	839	5.0			0.60	2.0		0.6	18.2	0.0
651	839	6.0			0.60	2.0		0.6	18.2	0.0
651	839	7.0			0.61	2.0		0.6	18.2	0.0
651	839	8.0			0.62	2.1		0.6	18.2	0.0
651	839	9.0			0.62	2.1		0.6	18.2	0.0
649	857	1.0	1.5	0.29	0.59	1.9	2.4	1.4	18.1	0.0
649	857	2.0			0.59	1.9		1.3	18.1	0.0
649	857	3.0			0.59	1.9		1.4	18.1	0.0
649	857	4.0			0.58	1.9		1.5	18.1	0.0
649	857	5.0			0.58	1.9		1.7	18.1	0.0
649	857	6.0			0.59	1.9		1.9	18.1	0.0
649	857	7.0			0.59	2.0		2.0	18.2	0.1
649	857	8.0			0.60	2.0		2.2	18.2	0.2
649	857	9.0			0.61	2.0		2.4	18.0	0.4
649	857	10.0	2.4	0.43	0.61	2.1		2.5	18.0	0.5
2	921	1.0	2.2	0.47	0.57	1.8	3.2	3.3	19.0	1.0
2	921	2.0			0.57	1.8		3.3	19.0	1.0
2	921	3.0			0.57	1.8		3.3	19.0	1.0
2	921	4.0			0.57	1.8		3.4	18.9	1.0
2	921	5.0			0.58	1.9		3.4	18.9	1.0
2	921	6.0			0.58	1.9		3.4	18.9	1.1
2	921	7.0			0.59	1.9		3.5	18.9	1.1
2	921	8.0			0.59	1.9		3.5	18.6	1.2
2	921	9.0			0.59	2.0		3.9	18.4	1.5
2	921	10.0			0.59	2.0		4.2	18.5	1.7
2	921	11.0			0.59	2.0		4.2	18.5	1.8
2	921	12.0	2.3	0.46	0.59	1.9		4.3	18.5	1.8
3	939	1.0			0.56	85 1.8	3.1	4.0	18.3	1.6

LOCATION: North San Francisco Bay  
 DATE: October 8, 1988  
 JULIAN DAY: 88280

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
3	939	2.0			0.56	1.8		4.1	18.3	1.6
3	939	3.0			0.55	1.7		4.1	18.4	1.7
3	939	4.0			0.56	1.8		4.2	18.4	1.7
3	939	5.0			0.56	1.8		4.3	18.4	1.8
3	939	6.0			0.56	1.8		4.4	18.5	1.9
3	939	7.0			0.56	1.8		4.6	18.5	2.0
3	939	8.0			0.56	1.8		4.7	18.5	2.1
3	939	9.0			0.56	1.8		4.8	18.5	2.1
3	939	10.0			0.55	1.7		4.8	18.5	2.2
3	939	11.0			0.54	1.7		5.0	18.5	2.3
3	939	12.0			0.53	1.6		5.2	18.4	2.5
4	1021	1.0	1.2	0.32	0.52	1.5	3.0	5.7	18.4	2.9
4	1021	2.0			0.52	1.5		5.7	18.4	2.9
4	1021	3.0			0.51	1.5		5.7	18.4	2.9
4	1021	4.0			0.52	1.6		5.7	18.3	2.9
4	1021	5.0			0.53	1.6		5.7	18.3	2.9
4	1021	6.0			0.53	1.6		5.8	18.3	3.0
4	1021	7.0			0.54	1.6		6.1	18.2	3.2
4	1021	8.0			0.55	1.7		6.8	18.0	3.8
4	1021	9.0			0.56	1.8		7.0	18.0	3.9
4	1021	10.0			0.55	1.7		7.0	18.0	4.0
4	1021	11.0	1.2	0.26	0.54	1.7		7.0	18.0	4.0
5	1055	1.0			0.50	1.4	2.8	7.8	18.2	4.5
5	1055	2.0			0.50	1.4		7.9	18.2	4.6
5	1055	3.0			0.49	1.4		7.9	18.2	4.6
5	1055	4.0			0.49	1.4		8.1	18.2	4.6
5	1055	5.0			0.49	1.4		8.7	18.2	5.2
5	1055	6.0			0.49	1.4		8.9	18.1	5.3
5	1055	7.0			0.50	1.5		8.9	18.1	5.4
5	1055	8.0			0.50	1.5		8.9	18.1	5.4
5	1055	9.0			0.53	1.6		9.0	18.1	5.4
5	1055	10.0			0.51	1.5		9.0	18.1	5.4
5	1055	11.0			0.51	1.5		9.0	18.1	5.4
6	1124	1.0	1.3	0.39	0.51	1.5	3.8	12.1	18.0	7.9
6	1124	2.0			0.51	1.5		12.1	18.0	7.9
6	1124	3.0			0.52	1.5		12.2	18.0	7.9
6	1124	4.0			0.52	1.6		12.2	18.0	7.9
6	1124	5.0			0.52	1.6		12.2	18.0	7.9
6	1124	6.0			0.53	1.6		12.2	18.0	7.9
6	1124	7.0			0.53	1.6		12.2	18.0	7.9
6	1124	8.0	1.1	0.32	0.53	1.6		12.2	18.0	7.9
7	1240	1.0			0.48	1.3	3.5	18.7	18.2	12.8
7	1240	2.0			0.48	1.3		19.0	18.1	13.0
7	1240	3.0			0.47	1.3		19.0	18.1	13.1
7	1240	4.0			0.47	1.3		19.1	18.1	13.1
7	1240	5.0			0.47	1.3		19.1	18.1	13.1
7	1240	6.0			0.47	1.3		19.2	18.1	13.2
7	1240	7.0			0.48	1.4		19.2	18.1	13.2
7	1240	8.0			0.48	1.3		19.2	18.1	13.2
7	1240	9.0			0.48	1.3		19.3	18.1	13.3
7	1240	10.0			0.47	1.3		19.3	18.1	13.2
7	1240	11.0			0.45	1.2		19.3	18.1	13.2
7	1240	12.0			0.45	1.2		19.3	18.1	13.2
7	1240	13.0			0.43	1.1		19.3	18.1	13.2
7	1240	14.0			0.44	1.1		19.3	18.1	13.3
7	1240	15.0			0.42	1.0		19.3	18.1	13.3
8	1305	1.0	0.6	0.28	0.39	0.9	1.8	22.1	18.1	15.4
8	1305	2.0			0.39	0.9		22.3	18.1	15.6
8	1305	3.0			0.40	0.9		22.4	18.0	15.6
8	1305	4.0			0.40	0.9		22.4	18.0	15.7

LOCATION: North San Francisco Bay  
 DATE: October 6, 1988  
 JULIAN DAY: 88280

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
8	1305	5.0			0.40	0.9		22.4	18.0	15.7
8	1305	6.0			0.40	0.9		22.5	18.0	15.7
8	1305	7.0			0.40	0.9		22.5	18.0	15.7
8	1305	8.0			0.40	0.9		22.5	18.0	15.7
8	1305	9.0			0.40	0.9		22.5	18.0	15.7
8	1305	10.0			0.41	0.9		22.6	18.0	15.8
8	1305	11.0			0.40	0.9		22.8	18.0	15.9
8	1305	12.0			0.40	0.9		22.8	18.0	16.0
8	1305	13.0			0.40	0.9		22.9	18.0	16.0
8	1305	14.0			0.40	0.9		22.9	18.0	16.0
9	1335	1.0			0.41	0.9	1.9	24.1	17.9	17.0
9	1335	2.0			0.41	0.9		24.1	17.9	17.0
9	1335	3.0			0.41	0.9		24.3	17.9	17.1
9	1335	4.0			0.41	0.9		24.4	17.9	17.2
9	1335	5.0			0.41	1.0		24.5	17.9	17.2
9	1335	6.0			0.41	1.0		24.4	17.9	17.2
9	1335	7.0			0.41	1.0		24.5	17.9	17.2
9	1335	8.0			0.42	1.0		24.5	17.9	17.2
9	1335	9.0			0.42	1.0		24.5	17.9	17.2
9	1335	10.0			0.41	1.0		24.5	17.9	17.2
9	1335	11.0			0.41	1.0		24.4	17.9	17.2
9	1335	12.0			0.42	1.0		24.4	17.9	17.2
9	1335	13.0			0.41	1.0		24.4	17.9	17.2
9	1335	14.0			0.41	1.0		24.5	17.9	17.2
9	1335	15.0			0.41	0.9		24.4	17.9	17.2
9	1335	16.0			0.40	0.9		24.5	17.9	17.3
9	1335	17.0			0.40	0.9		24.6	17.9	17.3
9	1335	18.0			0.40	0.9		24.7	17.9	17.4
9	1335	19.0			0.40	0.9		24.7	17.9	17.4
9	1335	20.0			0.40	0.9		24.6	17.9	17.4
9	1335	21.0			0.40	0.9		24.7	17.9	17.4
9	1335	22.0			0.40	0.9		24.7	17.9	17.4
9	1335	23.0			0.40	0.9		24.7	17.9	17.4
9	1335	24.0			0.40	0.9		24.7	17.9	17.4
9	1335	25.0			0.40	0.9		24.7	17.9	17.4
9	1335	26.0			0.40	0.9		24.7	17.9	17.4
9	1335	27.0			0.40	0.9		24.7	17.9	17.4
10	1350	1.0	1.2	0.52	0.44	1.1	1.5	24.6	17.9	17.3
10	1350	2.0			0.44	1.1		24.7	17.9	17.4
10	1350	3.0			0.44	1.1		24.8	17.9	17.5
10	1350	4.0			0.44	1.1		24.8	17.9	17.5
10	1350	5.0			0.45	1.2		24.9	17.8	17.6
10	1350	6.0			0.45	1.2		24.9	17.8	17.6
10	1350	7.0			0.45	1.2		25.0	17.8	17.7
10	1350	8.0			0.45	1.2		25.3	17.8	17.9
10	1350	9.0			0.44	1.1		25.4	17.8	18.0
10	1350	10.0			0.43	1.1		25.5	17.8	18.1
10	1350	11.0			0.46	1.3		25.5	17.8	18.1
10	1350	12.0			0.43	1.1		25.6	17.8	18.1
10	1350	13.0			0.43	1.1		25.6	17.8	18.2
10	1350	14.0			0.42	1.0		25.7	17.8	18.2
10	1350	15.0			0.42	1.0		25.8	17.8	18.3
10	1350	16.0			0.41	1.0		25.9	17.8	18.4
10	1350	17.0			0.42	1.0		25.9	17.8	18.4
10	1350	18.0			0.41	1.0		25.9	17.8	18.4
10	1350	19.0	1.0	0.31	0.41	1.0		25.9	17.8	18.4
11	1415	1.0			0.45	1.2	1.2	26.5	17.8	18.8
11	1415	2.0			0.45	1.2		27.0	17.7	19.2
11	1415	3.0			0.45	1.2		27.3	17.7	19.4
11	1415	4.0			0.45	1.2		27.3	17.7	19.5
11	1415	5.0			0.45	1.2		27.4	17.7	19.5
11	1415	6.0			0.45	1.2		27.5	17.7	19.6

LOCATION: North San Francisco Bay  
 DATE: October 6, 1988  
 JULIAN DAY: 88280

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
11	1415	7.0			0.46	1.2		27.5	17.7	19.6
11	1415	8.0			0.46	1.2		27.5	17.7	19.6
11	1415	9.0			0.46	1.2		27.5	17.7	19.6
11	1415	10.0			0.45	1.2		27.6	17.7	19.7
11	1415	11.0			0.44	1.1		27.6	17.7	19.7
11	1415	12.0			0.45	1.2		27.6	17.7	19.7
11	1415	13.0			0.44	1.1		27.6	17.7	19.7
11	1415	14.0			0.43	1.1		27.6	17.7	19.7
11	1415	15.0			0.44	1.1		27.6	17.7	19.7
11	1415	16.0			0.42	1.0		27.6	17.7	19.7
11	1415	17.0			0.43	1.1		27.6	17.7	19.7
11	1415	18.0			0.44	1.1		27.7	17.7	19.7
11	1415	19.0			0.42	1.0		27.7	17.7	19.7
13	1458	1.0			0.57	1.8	0.9	28.8	17.5	20.7
13	1458	2.0			0.57	1.8		28.8	17.5	20.7
13	1458	3.0			0.57	1.9		28.8	17.5	20.7
13	1458	4.0			0.56	1.8		28.9	17.5	20.7
13	1458	5.0			0.52	1.6		29.0	17.4	20.8
13	1458	6.0			0.52	1.6		29.1	17.4	20.9
13	1458	7.0			0.50	1.5		29.2	17.4	21.0
13	1458	8.0			0.50	1.4		29.3	17.4	21.0
13	1458	9.0			0.49	1.4		29.3	17.4	21.0
13	1458	10.0			0.48	1.4		29.3	17.4	21.0
13	1458	11.0			0.47	1.3		29.3	17.4	21.0
13	1458	12.0			0.47	1.3		29.3	17.4	21.0
15	1535	1.0			0.70	2.6	3.5	29.2	17.7	20.9
15	1535	2.0			0.70	2.6		29.2	17.7	20.9
15	1535	3.0			0.70	2.5		29.3	17.7	21.0
15	1535	4.0			0.69	2.5		29.3	17.6	21.0
15	1535	5.0			0.68	2.4		29.4	17.6	21.1
15	1535	6.0			0.68	2.4		29.4	17.6	21.1
15	1535	7.0			0.67	2.4		29.4	17.6	21.1
15	1535	8.0			0.66	2.4		29.5	17.5	21.2
15	1535	9.0			0.66	2.3		29.5	17.5	21.2
15	1535	10.0			0.63	2.2		29.7	17.5	21.3
15	1535	11.0			0.61	2.1		29.8	17.4	21.4
15	1535	12.0			0.59	1.9		29.9	17.4	21.5
15	1535	13.0			0.60	2.0		30.0	17.3	21.6
15	1535	14.0			0.57	1.9		30.0	17.3	21.6
15	1535	15.0			0.56	1.8		30.1	17.3	21.7
15	1535	16.0			0.57	1.8		30.1	17.3	21.7
15	1535	17.0			0.57	1.9		30.2	17.2	21.8
15	1535	18.0			0.59	1.9		30.3	17.1	21.9
15	1535	19.0			0.59	1.9		30.3	17.1	21.9
15	1535	20.0			0.60	2.0		30.3	17.1	21.9

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  13    0.48    -1.3    5.48    0.4

LOCATION: North San Francisco Bay  
 DATE: November 2, 1988  
 JULIAN DAY: 88306

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657		1.0	0.7	0.48						
653	1630	1.0			0.54	2.4	1.9	1.0	16.6	0.0
653	1630	2.0			0.54	2.4		1.0	16.6	0.0
653	1630	3.0			0.54	2.4		1.0	16.5	0.0
653	1630	4.0			0.54	2.4		1.1	16.5	0.0
653	1630	5.0			0.53	2.3		1.3	16.5	0.0
653	1630	6.0			0.52	2.2		1.6	16.4	0.1
653	1630	7.0			0.52	2.1		1.8	16.4	0.3
653	1630	8.0			0.51	2.0		2.2	16.4	0.5
653	1630	9.0			0.50	1.9		2.2	16.4	0.6
653	1630	10.0			0.50	1.9		2.2	16.4	0.6
649	1553	1.0			0.46	1.3	1.9	3.3	16.7	1.4
649	1553	2.0			0.46	1.3		3.4	16.6	1.4
649	1553	3.0			0.46	1.3		3.6	16.5	1.6
649	1553	4.0			0.46	1.3		3.7	16.5	1.7
649	1553	5.0			0.45	1.2		3.9	16.5	1.8
649	1553	6.0			0.45	1.2		3.9	16.5	1.9
649	1553	7.0			0.45	1.3		4.0	16.5	1.9
649	1553	8.0			0.46	1.4		4.1	16.6	2.0
649	1553	9.0			0.46	1.4		4.2	16.6	2.1
649	1553	10.0			0.46	1.3		4.2	16.6	2.1
649	1553	11.0			0.44	1.1		4.2	16.6	2.1
2	1523	1.0			0.44	1.1	1.7	5.2	16.6	2.8
2	1523	2.0			0.44	1.1		5.5	16.5	3.1
2	1523	3.0			0.44	1.1		5.8	16.5	3.3
2	1523	4.0			0.44	1.1		6.1	16.5	3.5
2	1523	5.0			0.44	1.1		6.2	16.4	3.6
2	1523	6.0			0.44	1.1		6.3	16.4	3.7
2	1523	7.0			0.44	1.1		6.4	16.4	3.8
2	1523	8.0			0.44	1.1		6.6	16.4	4.0
2	1523	9.0			0.44	1.1		6.8	16.4	4.1
2	1523	10.0			0.44	1.1		6.8	16.4	4.1
2	1523	11.0			0.43	0.9		7.0	16.4	4.2
2	1523	12.0			0.42	0.8		7.2	16.4	4.4
2	1523	13.0			0.42	0.8		7.4	16.4	4.5
3	1506	1.0	0.9	0.41	0.45	1.2	1.9	6.6	16.5	3.9
3	1506	2.0			0.45	1.2		6.4	16.5	3.8
3	1506	3.0			0.45	1.2		6.6	16.4	3.9
3	1506	4.0			0.44	1.1		6.9	16.3	4.2
3	1506	5.0			0.44	1.1		7.4	16.3	4.6
3	1506	6.0			0.45	1.2		8.3	16.2	5.3
3	1506	7.0			0.45	1.3		8.6	16.2	5.5
3	1506	8.0			0.45	1.3		8.8	16.2	5.6
3	1506	9.0			0.46	1.3		8.9	16.2	5.7
3	1506	10.0			0.44	1.1		9.0	16.2	5.8
3	1506	11.0			0.43	1.0		9.1	16.1	5.9
3	1506	12.0	0.9	0.24	0.43	1.0		9.2	16.1	6.0
4	1438	1.0			0.46	1.4	1.9	8.3	16.4	5.3
4	1438	2.0			0.46	1.4		8.6	16.2	5.5
4	1438	3.0			0.45	1.2		8.9	16.1	5.8
4	1438	4.0			0.45	1.2		9.4	16.1	6.1
4	1438	5.0			0.44	1.1		9.5	16.1	6.2
4	1438	6.0			0.45	1.2		9.9	16.0	6.5
4	1438	7.0			0.45	1.2		10.2	16.0	6.8
4	1438	8.0			0.45	1.2		10.4	16.0	6.9
4	1438	9.0			0.46	1.4		10.8	16.0	7.2
4	1438	10.0			0.46	1.3		11.0	16.0	7.4
4	1438	11.0			0.45	1.3		11.1	16.0	7.4
4	1438	12.0			0.46	1.4		11.2	15.9	7.5
5	1400	1.0			0.49	1.7	2.2	11.6	16.0	7.8



LOCATION: North San Francisco Bay  
 DATE: November 2, 1988  
 JULIAN DAY: 88306

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
5	1400	2.0			0.49	1.7		11.7	15.9	7.9
5	1400	3.0			0.48	1.6		11.8	15.8	8.0
5	1400	4.0			0.47	1.5		12.0	15.8	8.1
5	1400	5.0			0.47	1.5		12.4	15.8	8.5
5	1400	6.0			0.47	1.5		12.9	15.8	8.9
5	1400	7.0			0.47	1.5		13.6	15.8	9.4
5	1400	8.0			0.47	1.4		14.3	15.8	9.9
5	1400	9.0			0.46	1.4		14.4	15.8	10.0
5	1400	10.0			0.45	1.2		14.5	15.8	10.1
5	1400	11.0			0.44	1.1		14.6	15.8	10.2
6	1332	1.0			0.45	1.3	3.1	13.5	15.8	9.3
6	1332	2.0			0.45	1.3		13.7	15.8	9.5
6	1332	3.0			0.45	1.2		15.0	15.8	10.5
6	1332	4.0			0.44	1.1		15.9	15.7	11.2
6	1332	5.0			0.44	1.1		16.1	15.7	11.3
6	1332	6.0			0.44	1.1		16.3	15.7	11.5
6	1332	7.0			0.44	1.1		16.3	15.7	11.5
6	1332	8.0			0.45	1.2		16.5	15.7	11.6
6	1332	9.0			0.45	1.2		16.9	15.7	11.9
6	1332	10.0			0.44	1.1		17.2	15.7	12.2
6	1332	11.0			0.43	0.9		17.3	15.7	12.2
7	1250	1.0	0.8	0.47	0.41	0.6	2.1	19.3	15.7	13.8
7	1250	2.0			0.41	0.6		19.4	15.7	13.9
7	1250	3.0			0.41	0.7		19.6	15.7	14.0
7	1250	4.0			0.41	0.7		19.9	15.7	14.2
7	1250	5.0			0.41	0.8		20.0	15.7	14.3
7	1250	6.0			0.41	0.7		20.2	15.7	14.5
7	1250	7.0			0.41	0.8		20.3	15.7	14.5
7	1250	8.0			0.42	0.8		20.3	15.7	14.5
7	1250	9.0			0.42	0.8		20.3	15.7	14.6
7	1250	10.0			0.41	0.7		20.4	15.7	14.6
7	1250	11.0			0.41	0.7		20.4	15.7	14.6
7	1250	12.0			0.41	0.7		20.5	15.7	14.7
7	1250	13.0	0.6	0.15	0.41	0.6		20.7	15.7	14.8
8	1224	1.0			0.42	0.8	1.8	20.1	15.9	14.3
8	1224	2.0			0.42	0.8		21.3	15.9	15.3
8	1224	3.0			0.41	0.7		21.7	15.8	15.6
8	1224	4.0			0.41	0.7		22.1	15.8	15.9
8	1224	5.0			0.40	0.6		22.4	15.7	16.1
8	1224	6.0			0.40	0.6		22.5	15.7	16.2
8	1224	7.0			0.40	0.5		22.5	15.6	16.3
8	1224	8.0			0.40	0.5		22.7	15.6	16.4
8	1224	9.0			0.40	0.5		22.8	15.6	16.4
8	1224	10.0			0.40	0.5		22.8	15.6	16.5
8	1224	11.0			0.40	0.5		22.9	15.6	16.5
8	1224	12.0			0.40	0.5		23.1	15.6	16.7
8	1224	13.0			0.40	0.5		23.2	15.6	16.7
8	1224	14.0			0.40	0.6		23.2	15.6	16.8
8	1224	15.0			0.40	0.6		23.2	15.6	16.8
9	1202	1.0			0.46	1.3	1.7	21.5	15.9	15.4
9	1202	2.0			0.46	1.3		23.1	15.7	16.7
9	1202	3.0			0.45	1.2		23.4	15.6	17.0
9	1202	4.0			0.44	1.1		23.5	15.6	17.0
9	1202	5.0			0.43	1.0		23.5	15.6	17.0
9	1202	6.0			0.43	1.0		23.6	15.6	17.1
9	1202	7.0			0.44	1.1		23.8	15.6	17.2
9	1202	8.0			0.44	1.1		23.7	15.6	17.2
9	1202	9.0			0.45	1.2		23.7	15.6	17.2
9	1202	10.0			0.44	1.0		23.8	15.6	17.3
9	1202	11.0			0.43	0.9		24.1	15.6	17.4
9	1202	12.0			0.42	0.8		24.1	15.6	17.5

LOCATION: North San Francisco Bay  
 DATE: November 2, 1988  
 JULIAN DAY: 88306

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9	1202	13.0								
9	1202	14.0			0.42	0.8		24.1	15.6	17.5
9	1202	15.0			0.41	0.7		24.1	15.6	17.5
9	1202	16.0			0.41	0.7		24.2	15.6	17.5
9	1202	17.0			0.41	0.7		24.2	15.6	17.5
9	1202	18.0			0.41	0.7		24.2	15.6	17.6
9	1202	19.0			0.41	0.7		24.3	15.6	17.6
9	1202	20.0			0.41	0.6		24.4	15.6	17.7
9	1202	21.0			0.41	0.7		24.4	15.6	17.7
9	1202	22.0			0.41	0.6		24.5	15.6	17.8
9	1202	23.0			0.40	0.6		24.5	15.6	17.8
					0.40	0.6		24.5	15.6	17.8
10	1146	1.0								
10	1146	2.0			0.45	1.2	2.2	24.1	15.6	17.5
10	1146	3.0			0.45	1.2		24.2	15.6	17.5
10	1146	4.0			0.44	1.1		24.2	15.6	17.5
10	1146	5.0			0.45	1.2		24.2	15.6	17.6
10	1146	6.0			0.45	1.2		24.2	15.6	17.6
10	1146	7.0			0.45	1.2		24.4	15.6	17.7
10	1146	8.0			0.45	1.2		24.5	15.6	17.8
10	1146	9.0			0.45	1.2		24.5	15.6	17.8
10	1146	10.0			0.46	1.3		24.6	15.6	17.9
10	1146	11.0			0.45	1.2		24.7	15.5	18.0
10	1146	12.0			0.43	1.0		24.9	15.5	18.1
10	1146	13.0			0.43	1.0		25.1	15.5	18.2
10	1146	14.0			0.43	0.9		25.2	15.5	18.3
10	1146	15.0			0.42	0.9		25.2	15.5	18.3
10	1146	16.0			0.42	0.8		25.2	15.5	18.3
10	1146	17.0			0.42	0.8		25.2	15.5	18.3
10	1146	18.0			0.41	0.7		25.2	15.5	18.3
10	1146	19.0			0.41	0.7		25.2	15.5	18.3
					0.41	0.7		25.2	15.5	18.3
11	1122	1.0	1.1	0.39						
11	1122	2.0			0.45	1.2	2.6	24.9	15.6	18.1
11	1122	3.0			0.45	1.2		25.3	15.5	18.4
11	1122	4.0			0.45	1.2		25.4	15.5	18.5
11	1122	5.0			0.45	1.2		25.5	15.5	18.5
11	1122	6.0			0.45	1.2		25.7	15.5	18.7
11	1122	7.0			0.46	1.3		25.9	15.5	18.9
11	1122	8.0			0.46	1.4		26.2	15.5	19.1
11	1122	9.0			0.47	1.4		26.4	15.5	19.3
11	1122	10.0			0.47	1.5		26.5	15.5	19.4
11	1122	11.0			0.49	1.7		26.6	15.5	19.4
11	1122	12.0			0.49	1.7		26.7	15.5	19.5
11	1122	13.0			0.49	1.7		26.8	15.5	19.5
11	1122	14.0			0.49	1.8		26.8	15.5	19.6
11	1122	15.0			0.49	1.8		26.9	15.5	19.6
11	1122	16.0	2.0	0.45	0.49	1.8		26.9	15.5	19.6
					0.50	1.8		26.9	15.5	19.6
13	1042	1.0								
13	1042	2.0			0.50	1.8	1.4	28.6	15.4	21.0
13	1042	3.0			0.50	1.8		29.0	15.4	21.3
13	1042	4.0			0.49	1.7		29.1	15.3	21.3
13	1042	5.0			0.49	1.7		29.1	15.3	21.4
13	1042	6.0			0.49	1.7		29.1	15.3	21.4
13	1042	7.0			0.49	1.8		29.2	15.3	21.4
13	1042	8.0			0.49	1.8		29.2	15.3	21.4
13	1042	9.0			0.50	1.8		29.2	15.3	21.5
13	1042	10.0			0.50	1.8		29.3	15.3	21.5
					0.49	1.8		29.3	15.3	21.5
15	1000	1.0	1.7	0.64						
15	1000	2.0			0.50	1.9	1.3	29.2	15.3	21.4
15	1000	3.0			0.50	1.9		30.2	15.1	22.2
15	1000	4.0			0.49	1.7		30.5	15.1	22.5
15	1000	5.0			0.48	1.5		30.6	15.0	22.6
					0.47	1.4		30.7	15.0	22.7

LOCATION: North San Francisco Bay  
 DATE: November 2, 1988  
 JULIAN DAY: 88306

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
15	1000	6.0			0.47	1.5		30.9	15.0	22.8
15	1000	7.0			0.46	1.3		31.0	15.0	22.9
15	1000	8.0			0.46	1.3		31.0	14.9	22.9
15	1000	9.0			0.46	1.4		31.0	14.9	22.9
15	1000	10.0			0.46	1.3		31.0	14.9	22.9
15	1000	11.0			0.45	1.2		31.0	14.9	22.9
15	1000	12.0			0.45	1.3		31.0	14.9	22.9
15	1000	13.0			0.45	1.3		31.1	14.9	23.0
15	1000	14.0			0.46	1.4		31.1	14.9	23.0
15	1000	15.0			0.47	1.4		31.1	14.9	23.0
15	1000	16.0			0.47	1.5		31.1	14.9	23.0
15	1000	17.0			0.48	1.6		31.1	14.9	23.0
15	1000	18.0			0.47	1.5		31.1	14.9	23.0
15	1000	19.0			0.48	1.6		31.1	14.9	23.0
15	1000	20.0			0.48	1.6		31.2	14.9	23.1
15	1000	21.0			0.47	1.4		31.3	14.9	23.1
15	1000	22.0			0.47	1.5		31.3	14.9	23.2
15	1000	23.0	1.7	0.39	0.46	1.3		31.4	14.8	23.2

Fluorometer Calibration:      n      r^2      A      B      Syx  
                                  8      0.80      -4.7      13.21      0.2

LOCATION: South San Francisco Bay  
DATE: November 3, 1988  
JULIAN DAY: 88307

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
30	1648	1.0	2.0	0.57	0.50	2.1	1.5	32.1	16.7	23.4
30	1648	2.0			0.50	2.1		32.0	16.9	23.3
30	1648	3.0			0.50	2.2		32.1	16.9	23.3
30	1648	4.0			0.49	2.1		32.1	16.8	23.4
30	1648	5.0			0.49	2.0		32.2	16.7	23.4
30	1648	6.0			0.48	1.9		32.2	16.7	23.5
30	1648	7.0			0.48	1.9		32.2	16.7	23.5
30	1648	8.0			0.48	1.9		32.2	16.7	23.5
30	1648	9.0			0.48	1.9		32.2	16.7	23.5
30	1648	10.0			0.47	1.8		32.2	16.7	23.5
30	1648	11.0			0.48	1.9		32.2	16.6	23.5
30	1648	12.0			0.48	1.9		32.2	16.7	23.5
30	1648	13.0			0.49	2.0		32.2	16.7	23.5
30	1648	14.0			0.50	2.1		32.2	16.7	23.5
29	1626	1.0			0.46	1.6	1.5	32.3	16.6	23.5
29	1626	2.0			0.46	1.6		32.3	16.6	23.5
29	1626	3.0			0.46	1.5		32.3	16.6	23.5
29	1626	4.0			0.45	1.5		32.3	16.6	23.5
29	1626	5.0			0.45	1.5		32.3	16.6	23.5
29	1626	6.0			0.45	1.5		32.3	16.6	23.5
29	1626	7.0			0.45	1.5		32.3	16.6	23.5
29	1626	8.0			0.45	1.5		32.3	16.6	23.5
29	1626	9.0			0.45	1.5		32.3	16.6	23.5
29	1626	10.0			0.45	1.5		32.3	16.6	23.5
29	1626	11.0			0.44	1.2		32.3	16.6	23.5
29	1626	12.0			0.43	1.1		32.3	16.6	23.5
29	1626	13.0			0.42	1.0		32.3	16.6	23.6
29	1626	14.0			0.42	1.0		32.3	16.6	23.6
28	1612	1.0			0.47	1.7	1.5	32.3	16.5	23.6
28	1612	2.0			0.47	1.7		32.3	16.5	23.6
28	1612	3.0			0.46	1.7		32.3	16.5	23.6
28	1612	4.0			0.47	1.7		32.3	16.5	23.6
28	1612	5.0			0.46	1.6		32.3	16.5	23.6
28	1612	6.0			0.46	1.7		32.4	16.5	23.6
28	1612	7.0			0.47	1.7		32.4	16.5	23.6
28	1612	8.0			0.47	1.7		32.4	16.5	23.6
28	1612	9.0			0.47	1.8		32.4	16.5	23.6
28	1612	10.0			0.48	1.8		32.4	16.5	23.6
28	1612	11.0			0.47	1.8		32.4	16.5	23.6
28	1612	12.0			0.46	1.6		32.4	16.5	23.6
28	1612	13.0			0.45	1.4		32.4	16.5	23.6
28	1612	14.0			0.45	1.5		32.4	16.5	23.6
28	1612	15.0			0.47	1.7		32.4	16.5	23.6
27	1557	1.0	1.9	0.63	0.46	1.6	1.3	32.4	16.5	23.7
27	1557	2.0			0.46	1.6		32.4	16.4	23.7
27	1557	3.0			0.46	1.6		32.4	16.4	23.7
27	1557	4.0			0.46	1.6		32.4	16.4	23.7
27	1557	5.0			0.48	1.8		32.4	16.4	23.7
27	1557	6.0			0.47	1.8		32.4	16.4	23.7
27	1557	7.0			0.47	1.7		32.4	16.4	23.7
27	1557	8.0			0.47	1.7		32.4	16.4	23.7
27	1557	9.0			0.47	1.7		32.4	16.4	23.7
27	1557	10.0			0.46	1.6		32.4	16.4	23.7
27	1557	11.0	1.3	0.37	0.45	1.5		32.4	16.4	23.7
26	1545	1.0			0.55	2.9	1.4	32.4	16.5	23.6
26	1545	2.0			0.55	2.9		32.4	16.5	23.7
26	1545	3.0			0.54	2.8		32.4	16.5	23.7
26	1545	4.0			0.53	2.6		32.4	16.5	23.7
26	1545	5.0			0.52	2.5		32.4	16.5	23.6
26	1545	6.0			0.51	2.4		32.4	16.5	23.6
26	1545	7.0			0.51	2.4		32.4	16.4	23.6

LOCATION: South San Francisco Bay  
DATE: November 3, 1988  
JULIAN DAY: 88307

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
26	1545	8.0			0.51	2.3		32.4	16.4	23.6
26	1545	9.0			0.54	2.7		32.4	16.4	23.6
26	1545	10.0			0.53	2.6		32.4	16.5	23.6
25	1524	1.0			0.57	3.3	1.3	32.3	16.7	23.5
25	1524	2.0			0.57	3.3		32.3	16.5	23.6
25	1524	3.0			0.56	3.0		32.3	16.5	23.6
25	1524	4.0			0.54	2.7		32.3	16.5	23.6
25	1524	5.0			0.53	2.6		32.4	16.5	23.6
25	1524	6.0			0.52	2.5		32.4	16.5	23.6
25	1524	7.0			0.54	2.7		32.4	16.5	23.6
25	1524	8.0			0.52	2.5		32.4	16.5	23.6
24	1507	1.0	3.2	0.80	0.56	3.0	1.3	32.2	16.3	23.5
24	1507	2.0			0.56	3.0		32.2	16.3	23.5
24	1507	3.0			0.56	3.0		32.2	16.3	23.5
24	1507	4.0			0.55	3.0		32.2	16.3	23.5
24	1507	5.0			0.54	2.8		32.2	16.3	23.5
24	1507	6.0			0.55	3.0		32.2	16.4	23.5
24	1507	7.0			0.55	2.9		32.2	16.4	23.5
24	1507	8.0			0.56	3.0		32.2	16.4	23.5
24	1507	9.0			0.58	3.3		32.2	16.4	23.5
24	1507	10.0	2.9	0.61	0.57	3.2		32.2	16.4	23.5
23	1450	1.0			0.59	3.5	1.2	32.0	16.1	23.4
23	1450	2.0			0.59	3.5		32.0	16.1	23.4
23	1450	3.0			0.57	3.2		32.0	16.1	23.4
23	1450	4.0			0.56	3.1		32.0	16.1	23.4
23	1450	5.0			0.57	3.2		32.0	16.1	23.4
23	1450	6.0			0.57	3.3		32.0	16.0	23.4
23	1450	7.0			0.54	2.8		32.0	16.0	23.4
23	1450	8.0			0.55	2.9		32.0	16.1	23.4
23	1450	9.0			0.56	3.1		32.0	16.0	23.4
23	1450	10.0			0.54	2.7		32.0	16.0	23.4
23	1450	11.0			0.54	2.8		32.0	16.0	23.4
23	1450	12.0			0.53	2.6		32.0	16.0	23.4
23	1450	13.0			0.52	2.5		32.0	16.0	23.4
23	1450	14.0			0.52	2.4		32.0	16.0	23.4
23	1450	15.0			0.52	2.4		32.0	16.0	23.4
23	1450	16.0			0.52	2.5		32.0	16.0	23.4
22	1430	1.0			0.54	2.8	1.1	32.0	15.8	23.5
22	1430	2.0			0.54	2.8		31.9	15.7	23.5
22	1430	3.0			0.53	2.6		31.9	15.7	23.5
22	1430	4.0			0.53	2.6		31.9	15.7	23.4
22	1430	5.0			0.52	2.5		31.9	15.7	23.4
22	1430	6.0			0.51	2.3		31.9	15.7	23.4
22	1430	7.0			0.51	2.3		31.9	15.7	23.4
22	1430	8.0			0.50	2.2		31.9	15.7	23.4
22	1430	9.0			0.52	2.5		31.9	15.7	23.4
22	1430	10.0			0.52	2.5		31.9	15.7	23.4
22	1430	11.0			0.55	2.9		31.9	15.7	23.4
22	1430	12.0			0.54	2.7		31.9	15.6	23.4
22	1430	13.0			0.54	2.7		31.9	15.6	23.4
22	1430	14.0			0.56	3.0		31.9	15.6	23.4
22	1430	15.0			0.54	2.8		31.9	15.6	23.4
22	1430	16.0			0.55	2.8		31.9	15.6	23.4
22	1430	17.0			0.54	2.7		31.9	15.6	23.4
22	1430	18.0			0.53	2.6		31.9	15.6	23.4
21	1414	1.0	3.5	0.75	0.56	3.0	1.3	31.8	15.4	23.4
21	1414	2.0			0.56	3.0		31.8	15.4	23.4
21	1414	3.0			0.55	3.0		31.8	15.4	23.4
21	1414	4.0			0.54	2.8		31.8	15.4	23.4
21	1414	5.0			0.55	2.9		31.8	15.4	23.4

LOCATION: South San Francisco Bay  
 DATE: November 3, 1988  
 JULIAN DAY: 88307

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
21	1414	6.0			0.54	2.8		31.8	15.4	23.4
21	1414	7.0			0.54	2.8		31.8	15.4	23.4
21	1414	8.0			0.54	2.8		31.8	15.4	23.4
21	1414	9.0			0.56	3.1		31.8	15.4	23.4
21	1414	10.0			0.55	2.9		31.8	15.4	23.4
21	1414	11.0			0.56	3.0		31.8	15.4	23.4
21	1414	12.0			0.55	3.0		31.8	15.4	23.4
21	1414	13.0			0.55	2.9		31.8	15.4	23.4
21	1414	14.0			0.55	2.9		31.8	15.4	23.4
21	1414	15.0			0.56	3.1		31.8	15.4	23.4
21	1414	16.0			0.55	3.0		31.8	15.4	23.4
21	1414	17.0	2.8	0.53	0.56	3.1		31.8	15.4	23.4

Fluorometer Calibration:    n    r^2    A    B    Syx  
                                  7    0.85    -5.2    14.68    0.3

LOCATION: North San Francisco Bay  
 DATE: November 30, 1988  
 JULIAN DAY: 88335

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
649	1709	1.0			0.48	0.2		1.2	11.6	0.5
649	1709	2.0			0.48	0.2		1.2	11.7	0.5
649	1709	3.0			0.48	0.2		1.2	11.7	0.5
649	1709	4.0			0.48	0.2		1.3	11.7	0.5
649	1709	5.0			0.48	0.2		1.3	11.8	0.5
649	1709	6.0			0.48	0.2		1.3	11.8	0.5
649	1709	7.0			0.48	0.2		1.2	11.8	0.5
649	1709	8.0			0.49	0.2		1.2	11.8	0.5
649	1709	9.0			0.49	0.2		1.2	11.8	0.5
649	1709	10.0			0.48	0.2		1.2	11.8	0.5
649	1709	11.0			0.47	0.2		1.2	11.8	0.5
2	1639	1.0	0.5	0.25	0.46	0.2	3.2	2.0	12.0	1.1
2	1639	2.0			0.46	0.2		2.0	12.0	1.1
2	1639	3.0			0.46	0.2		2.2	12.1	1.2
2	1639	4.0			0.46	0.2		2.4	12.2	1.3
2	1639	5.0			0.46	0.2		2.5	12.2	1.4
2	1639	6.0			0.46	0.2		2.6	12.2	1.5
2	1639	7.0			0.46	0.2		2.6	12.2	1.5
2	1639	8.0			0.46	0.2		3.0	12.3	1.8
2	1639	9.0			0.46	0.2		3.2	12.3	2.0
2	1639	10.0			0.45	0.2		3.5	12.3	2.2
2	1639	11.0	0.6	0.35	0.44	0.2		3.5	12.3	2.2
3	1617	1.0			0.45	0.2	2.6	2.3	12.0	1.3
3	1617	2.0			0.45	0.2		2.3	12.1	1.3
3	1617	3.0			0.45	0.2		2.5	12.1	1.4
3	1617	4.0			0.45	0.2		2.6	12.1	1.5
3	1617	5.0			0.45	0.2		2.8	12.1	1.7
3	1617	6.0			0.45	0.2		3.2	12.2	2.0
3	1617	7.0			0.45	0.2		3.5	12.2	2.2
3	1617	8.0			0.45	0.2		3.7	12.3	2.4
3	1617	9.0			0.45	0.2		4.0	12.3	2.6
3	1617	10.0			0.44	0.2		4.2	12.3	2.7
3	1617	11.0			0.43	0.2		4.4	12.2	2.9
3	1617	12.0			0.42	0.3		4.5	12.3	2.9
3	1617	13.0			0.42	0.3		4.6	12.2	3.1
3	1617	14.0			0.41	0.3		4.9	12.3	3.3
4	1540	1.0	0.6	0.32	0.45	0.2	2.5	3.3	12.2	2.0
4	1540	2.0			0.45	0.2		3.3	12.3	2.1
4	1540	3.0			0.45	0.2		3.5	12.4	2.2
4	1540	4.0			0.44	0.2		4.1	12.3	2.6
4	1540	5.0			0.44	0.2		4.6	12.3	3.0
4	1540	6.0			0.44	0.2		4.8	12.3	3.2
4	1540	7.0			0.44	0.2		5.0	12.3	3.4
4	1540	8.0			0.44	0.2		5.3	12.3	3.5
4	1540	9.0			0.45	0.2		5.5	12.3	3.7
4	1540	10.0			0.44	0.2		5.8	12.3	4.0
4	1540	11.0	0.0	0.00	0.43	0.2		6.1	12.3	4.2
5	1508	1.0			0.44	0.2	3.0	5.9	12.5	4.0
5	1508	2.0			0.44	0.2		6.1	12.4	4.2
5	1508	3.0			0.44	0.2		6.6	12.4	4.6
5	1508	4.0			0.44	0.2		7.2	12.3	5.0
5	1508	5.0			0.45	0.2		7.3	12.3	5.1
5	1508	6.0			0.45	0.2		7.3	12.3	5.1
5	1508	7.0			0.45	0.2		7.8	12.3	5.5
5	1508	8.0			0.45	0.2		8.3	12.3	5.9
5	1508	9.0			0.45	0.2		9.5	12.3	6.8
5	1508	10.0			0.45	0.2		10.0	12.3	7.2
5	1508	11.0			0.43	0.2		10.4	12.3	7.5
5	1508	12.0			0.43	0.3		10.6	12.4	7.6

LOCATION: North San Francisco Bay  
 DATE: November 30, 1988  
 JULIAN DAY: 88335

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
6	1435	1.0	0.0	0.00	0.46	0.2	3.1	8.2	12.2	5.8
6	1435	2.0			0.46	0.2		8.2	12.2	5.9
6	1435	3.0			0.46	0.2		8.3	12.2	5.9
6	1435	4.0			0.46	0.2		8.9	12.2	6.3
6	1435	5.0			0.47	0.2		9.9	12.3	7.1
6	1435	6.0			0.47	0.2		10.8	12.3	7.9
6	1435	7.0			0.48	0.2		12.1	12.3	8.8
6	1435	8.0			0.49	0.2		12.4	12.4	9.1
6	1435	9.0			0.48	0.2		12.8	12.4	9.4
6	1435	10.0			0.48	0.2		13.4	12.4	9.8
6	1435	11.0	0.2	0.06	0.49	0.2		14.1	12.4	10.3
8	1324	1.0	0.2	0.08	0.47	0.2	3.0	13.7	12.5	10.0
8	1324	2.0			0.47	0.2		14.0	12.4	10.3
8	1324	3.0			0.48	0.2		14.3	12.4	10.5
8	1324	4.0			0.48	0.2		14.6	12.4	10.7
8	1324	5.0			0.47	0.2		15.2	12.4	11.2
8	1324	6.0			0.47	0.2		15.7	12.4	11.6
8	1324	7.0			0.47	0.2		16.0	12.4	11.8
8	1324	8.0			0.47	0.2		16.0	12.4	11.8
8	1324	9.0			0.47	0.2		16.1	12.4	11.9
8	1324	10.0			0.46	0.2		16.8	12.4	12.5
8	1324	11.0			0.45	0.2		17.6	12.4	13.1
8	1324	12.0			0.44	0.2		18.2	12.5	13.5
8	1324	13.0			0.43	0.3		19.0	12.4	14.1
8	1324	14.0			0.43	0.3		19.6	12.4	14.6
8	1324	15.0	0.0	0.00	0.42	0.3		19.9	12.4	14.8
9	1259	1.0			0.47	0.2	3.7	16.7	12.4	12.4
9	1259	2.0			0.47	0.2		16.8	12.4	12.4
9	1259	3.0			0.47	0.2		17.1	12.4	12.7
9	1259	4.0			0.47	0.2		17.6	12.4	13.0
9	1259	5.0			0.47	0.2		17.9	12.5	13.3
9	1259	6.0			0.47	0.2		18.1	12.5	13.4
9	1259	7.0			0.48	0.2		18.3	12.4	13.6
9	1259	8.0			0.49	0.2		18.5	12.4	13.7
9	1259	9.0			0.50	0.2		18.6	12.4	13.8
9	1259	10.0			0.50	0.2		18.6	12.4	13.8
9	1259	11.0			0.50	0.2		18.7	12.4	13.9
9	1259	12.0			0.50	0.2		18.8	12.4	13.9
9	1259	13.0			0.50	0.2		18.8	12.4	14.0
9	1259	14.0			0.50	0.2		18.8	12.4	14.0
9	1259	15.0			0.50	0.2		18.9	12.4	14.1
9	1259	16.0			0.50	0.2		18.9	12.4	14.2
9	1259	17.0			0.50	0.2		19.0	12.4	14.5
9	1259	18.0			0.50	0.2		19.5	12.4	15.3
9	1259	19.0			0.49	0.2		20.5	12.4	16.0
9	1259	20.0			0.50	0.2		21.4	12.4	16.2
9	1259	21.0			0.50	0.2		21.7	12.4	16.3
9	1259	22.0			0.50	0.2		21.8	12.4	16.3
9	1259	23.0			0.50	0.2		21.9	12.4	16.3
10	1236	1.0	0.0	0.00	0.47	0.2	3.5	17.6	12.4	13.0
10	1236	2.0			0.47	0.2		17.9	12.4	13.3
10	1236	3.0			0.48	0.2		18.3	12.4	13.6
10	1236	4.0			0.49	0.2		19.4	12.4	14.5
10	1236	5.0			0.49	0.2		20.3	12.4	15.2
10	1236	6.0			0.50	0.2		20.8	12.4	15.5
10	1236	7.0			0.50	0.2		21.1	12.4	15.7
10	1236	8.0			0.51	0.2		21.6	12.4	16.2
10	1236	9.0			0.52	0.2		21.8	12.4	16.3
10	1236	10.0			0.52	0.2		22.0	12.4	16.4
10	1236	11.0			0.51	0.2		22.3	12.4	16.6
10	1236	12.0			0.51	0.2		22.5	12.4	16.9



LOCATION: North San Francisco Bay  
 DATE: November 30, 1988  
 JULIAN DAY: 86335

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
10	1236	13.0			0.51	0.2		23.0	12.4	17.2
10	1236	14.0			0.51	0.2		23.2	12.5	17.4
10	1236	15.0			0.51	0.2		23.3	12.5	17.4
10	1236	16.0			0.52	0.2		23.4	12.4	17.5
10	1236	17.0			0.51	0.2		23.3	12.5	17.5
10	1236	18.0			0.56	0.2		23.4	12.5	17.5
11	1205	1.0			0.51	0.2	3.7	21.1	12.1	15.8
11	1205	2.0			0.51	0.2		21.1	12.0	15.8
11	1205	3.0			0.51	0.2		21.2	12.1	15.9
11	1205	4.0			0.52	0.2		21.5	12.1	16.1
11	1205	5.0			0.51	0.2		21.9	12.0	16.5
11	1205	6.0			0.52	0.2		22.6	12.2	16.9
11	1205	7.0			0.52	0.2		23.4	12.2	17.5
11	1205	8.0			0.52	0.2		23.9	12.4	17.9
11	1205	9.0			0.52	0.2		24.1	12.4	18.1
11	1205	10.0			0.52	0.2		24.9	12.4	18.7
11	1205	11.0			0.53	0.2		25.5	12.4	19.1
11	1205	12.0			0.52	0.2		26.0	12.4	19.5
11	1205	13.0			0.52	0.2		26.1	12.5	19.6
11	1205	14.0			0.53	0.2		26.2	12.5	19.7
13	1115	1.0			0.50	0.2	2.3	26.9	12.5	20.2
13	1115	2.0			0.50	0.2		26.9	12.5	20.2
13	1115	3.0			0.50	0.2		26.9	12.5	20.2
13	1115	4.0			0.50	0.2		26.9	12.5	20.2
13	1115	5.0			0.50	0.2		26.9	12.5	20.2
13	1115	6.0			0.51	0.2		27.0	12.5	20.3
13	1115	7.0			0.51	0.2		27.2	12.5	20.4
13	1115	8.0			0.51	0.2		27.4	12.5	20.6
13	1115	9.0			0.51	0.2		27.7	12.6	20.9
15	1030	1.0			0.52	0.2	2.7	27.4	12.4	20.6
15	1030	2.0			0.52	0.2		27.5	12.4	20.7
15	1030	3.0			0.52	0.2		27.5	12.4	20.7
15	1030	4.0			0.53	0.2		27.6	12.4	20.8
15	1030	5.0			0.53	0.2		27.7	12.4	20.9
15	1030	6.0			0.54	0.2		27.9	12.4	21.0
15	1030	7.0			0.55	0.2		28.0	12.4	21.1
15	1030	8.0			0.56	0.2		28.1	12.4	21.2
15	1030	9.0			0.56	0.2		28.3	12.4	21.3
15	1030	10.0			0.57	0.2		28.3	12.4	21.3
15	1030	11.0			0.55	0.2		28.4	12.4	21.4
15	1030	12.0			0.56	0.2		28.4	12.3	21.4
15	1030	13.0			0.54	0.2		28.5	12.4	21.5
15	1030	14.0			0.53	0.2		29.0	12.5	21.8
15	1030	15.0			0.52	0.2		29.3	12.5	22.0
15	1030	16.0			0.52	0.2		29.6	12.6	22.3
15	1030	17.0			0.52	0.2		29.7	12.6	22.3
15	1030	18.0			0.52	0.2		29.7	12.6	22.4
15	1030	19.0			0.52	0.2		29.8	12.6	22.4
15	1030	20.0			0.51	0.2		29.8	12.6	22.4
15	1030	21.0			0.52	0.2		29.8	12.6	22.4
15	1030	22.0			0.52	0.2		29.8	12.6	22.5

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  9    0.00    0.4    -0.30    0.3

LOCATION: South San Francisco Bay  
 DATE: December 1, 1988  
 JULIAN DAY: 88336

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	1810	1.0	1.4	0.46	0.53	1.7		30.9	13.0	23.2
32	1810	2.0			0.53	1.7		30.9	13.0	23.2
32	1810	3.0			0.53	1.6		30.9	13.0	23.2
32	1810	4.0			0.52	1.6		31.1	13.0	23.3
32	1810	5.0			0.52	1.6		31.2	13.0	23.4
32	1810	6.0			0.52	1.6		31.3	13.0	23.5
32	1810	7.0			0.51	1.6		31.3	13.0	23.5
32	1810	8.0			0.52	1.6		31.3	13.0	23.5
32	1810	9.0	0.8	0.18	0.52	1.6		31.3	13.0	23.5
31	1754	1.0			0.54	1.7		30.8	13.0	23.2
31	1754	2.0			0.54	1.7		31.0	13.0	23.3
31	1754	3.0			0.54	1.7		31.2	13.1	23.4
31	1754	4.0			0.54	1.7		31.3	13.1	23.5
31	1754	5.0			0.53	1.7		31.3	13.0	23.6
31	1754	6.0			0.53	1.7		31.4	13.0	23.6
31	1754	7.0			0.53	1.7		31.4	13.0	23.6
31	1754	8.0			0.53	1.7		31.4	13.0	23.6
31	1754	9.0			0.53	1.7		31.4	13.0	23.6
31	1754	10.0			0.53	1.7		31.4	13.0	23.6
31	1754	11.0			0.52	1.6		31.4	13.0	23.6
31	1754	12.0			0.52	1.6		31.4	13.0	23.6
31	1754	13.0			0.52	1.6		31.4	13.0	23.6
31	1754	14.0			0.53	1.7		31.4	13.0	23.6
30	1735	1.0	2.1	0.74	0.61	1.9		31.4	13.1	23.6
30	1735	2.0			0.61	1.9		31.4	13.1	23.6
30	1735	3.0			0.60	1.8		31.5	13.0	23.6
30	1735	4.0			0.56	1.7		31.5	13.0	23.7
30	1735	5.0			0.54	1.7		31.5	13.0	23.7
30	1735	6.0			0.53	1.6		31.5	13.0	23.7
30	1735	7.0			0.52	1.6		31.5	13.0	23.7
30	1735	8.0			0.51	1.6		31.5	13.0	23.7
30	1735	9.0			0.51	1.6		31.5	13.0	23.7
30	1735	10.0			0.51	1.6		31.5	13.0	23.7
30	1735	11.0			0.50	1.6		31.5	13.0	23.7
30	1735	12.0			0.49	1.5		31.5	13.0	23.7
30	1735	13.0			0.50	1.6		31.5	13.0	23.7
30	1735	14.0			0.50	1.6		31.5	13.0	23.7
30	1735	15.0			0.50	1.6		31.5	13.0	23.7
30	1735	16.0	1.3	0.27	0.50	1.6		31.5	13.0	23.7
29	1713	1.0			0.50	1.6		31.5	13.0	23.7
29	1713	2.0			0.50	1.6		31.5	13.0	23.7
29	1713	3.0			0.50	1.6		31.5	13.0	23.7
29	1713	4.0			0.50	1.6		31.5	13.0	23.7
29	1713	5.0			0.50	1.6		31.5	13.0	23.7
29	1713	6.0			0.49	1.5		31.6	13.0	23.7
29	1713	7.0			0.49	1.5		31.6	13.0	23.7
29	1713	8.0			0.49	1.6		31.6	13.0	23.7
29	1713	9.0			0.50	1.6		31.6	13.0	23.7
29	1713	10.0			0.50	1.6		31.6	13.0	23.7
29	1713	11.0			0.50	1.6		31.6	13.0	23.7
29	1713	12.0			0.50	1.6		31.6	13.0	23.7
29	1713	13.0			0.52	1.6		31.6	13.0	23.7
29	1713	14.0			0.53	1.7		31.6	13.0	23.7
29	1713	15.0			0.55	1.7		31.6	13.0	23.7
28	1700	1.0			0.55	1.7		31.6	13.5	23.6
28	1700	2.0			0.55	1.7		31.7	13.1	23.8
28	1700	3.0			0.52	1.6		31.6	13.0	23.8
28	1700	4.0			0.51	1.6		31.6	13.0	23.8
28	1700	5.0			0.49	1.6		31.6	13.0	23.8
28	1700	6.0			0.49	1.6		31.6	13.0	23.8
28	1700	7.0			0.48	1.5		31.6	13.0	23.8

LOCATION: South San Francisco Bay  
 DATE: December 1, 1988  
 JULIAN DAY: 88336

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	1700	8.0			0.49	1.5		31.6	13.0	23.8
28	1700	9.0			0.48	1.5		31.6	13.0	23.8
28	1700	10.0			0.47	1.5		31.6	13.0	23.8
28	1700	11.0			0.47	1.5		31.6	13.0	23.8
28	1700	12.0			0.47	1.5		31.6	13.0	23.8
28	1700	13.0			0.48	1.5		31.6	13.0	23.8
28	1700	14.0			0.50	1.6		31.6	13.0	23.8
28	1700	15.0			0.51	1.6		31.6	13.0	23.8
28	1700	16.0			0.50	1.6		31.6	13.0	23.8
27	1648	1.0	1.8	0.54	0.52	1.6	0.9	31.7	13.1	23.8
27	1648	2.0			0.52	1.6		31.7	13.0	23.8
27	1648	3.0			0.51	1.6		31.7	13.0	23.8
27	1648	4.0			0.50	1.6		31.7	13.0	23.8
27	1648	5.0			0.49	1.6		31.6	13.0	23.8
27	1648	6.0			0.49	1.6		31.6	13.0	23.8
27	1648	7.0			0.50	1.6		31.6	13.0	23.8
27	1648	8.0			0.50	1.6		31.6	13.0	23.8
27	1648	9.0			0.50	1.6		31.6	13.0	23.8
27	1648	10.0			0.49	1.6		31.6	13.0	23.8
27	1648	11.0			0.50	1.6		31.6	13.0	23.8
27	1648	12.0			0.49	1.6		31.6	13.0	23.8
27	1648	13.0	1.6	0.37	0.50	1.6		31.6	13.0	23.8
26	1635	1.0			0.58	1.8	1.2	31.7	13.3	23.8
26	1635	2.0			0.58	1.8		31.7	13.1	23.8
26	1635	3.0			0.57	1.8		31.6	13.0	23.8
26	1635	4.0			0.55	1.7		31.6	13.0	23.8
26	1635	5.0			0.54	1.7		31.7	13.0	23.8
26	1635	6.0			0.53	1.7		31.7	13.0	23.8
26	1635	7.0			0.52	1.6		31.7	13.0	23.8
26	1635	8.0			0.51	1.6		31.7	13.0	23.8
26	1635	9.0			0.52	1.6		31.7	13.0	23.8
26	1635	10.0			0.50	1.6		31.7	13.0	23.8
26	1635	11.0			0.50	1.6		31.7	13.0	23.8
25	1617	1.0			0.52	1.6	1.2	31.3	13.1	23.5
25	1617	2.0			0.52	1.6		31.4	13.0	23.6
25	1617	3.0			0.50	1.6		31.4	13.0	23.6
25	1617	4.0			0.49	1.6		31.4	13.0	23.6
25	1617	5.0			0.51	1.6		31.5	13.0	23.7
25	1617	6.0			0.49	1.5		31.5	13.0	23.7
25	1617	7.0			0.49	1.5		31.5	13.0	23.7
25	1617	8.0			0.49	1.6		31.5	13.0	23.7
24	1600	1.0	1.7	0.62	0.48	1.5	1.0	30.7	13.0	23.0
24	1600	2.0			0.48	1.5		30.8	12.9	23.1
24	1600	3.0			0.48	1.5		30.8	12.9	23.2
24	1600	4.0			0.48	1.5		30.9	12.9	23.2
24	1600	5.0			0.47	1.5		31.0	12.9	23.3
24	1600	6.0			0.46	1.5		31.0	12.9	23.4
24	1600	7.0			0.46	1.5		31.1	12.9	23.4
24	1600	8.0			0.45	1.4		31.1	12.9	23.4
24	1600	9.0			0.44	1.4		31.1	12.9	23.4
24	1600	10.0			0.45	1.4		31.1	12.9	23.4
24	1600	11.0	1.6	0.51	0.44	1.4		31.1	12.9	23.4
23	1547	1.0			0.54	1.7	1.0	30.5	13.1	22.9
23	1547	2.0			0.54	1.7		30.6	12.9	23.0
23	1547	3.0			0.51	1.6		30.6	12.8	23.0
23	1547	4.0			0.50	1.6		30.6	12.8	23.1
23	1547	5.0			0.48	1.5		30.6	12.8	23.1
23	1547	6.0			0.47	1.5		30.7	12.8	23.1
23	1547	7.0			0.47	1.5		30.7	12.8	23.1
23	1547	8.0			0.46	1.5		30.7	12.8	23.1

LOCATION: South San Francisco Bay  
 DATE: December 1, 1988  
 JULIAN DAY: 88336

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
23	1547	9.0			0.46	1.5		30.7	12.8	
23	1547	10.0			0.46	1.5		30.8	12.8	23.1
23	1547	11.0			0.46	1.5		30.8	12.8	23.2
23	1547	12.0			0.46	1.5		30.9	12.8	23.2
23	1547	13.0			0.46	1.5		30.9	12.8	23.3
23	1547	14.0			0.46	1.5		31.0	12.8	23.3
23	1547	15.0			0.45	1.4		31.0	12.8	23.3
23	1547	16.0			0.47	1.5		31.0	12.8	23.3
22	1530	1.0			0.47	1.5	1.2	30.4	12.8	22.9
22	1530	2.0			0.47	1.5		30.4	12.8	22.9
22	1530	3.0			0.47	1.5		30.4	12.8	22.9
22	1530	4.0			0.47	1.5		30.5	12.8	22.9
22	1530	5.0			0.46	1.5		30.5	12.8	22.9
22	1530	6.0			0.46	1.5		30.6	12.8	23.0
22	1530	7.0			0.46	1.5		30.6	12.8	23.0
22	1530	8.0			0.47	1.5		30.7	12.8	23.1
22	1530	9.0			0.46	1.5		30.6	12.8	23.1
22	1530	10.0			0.45	1.4		30.7	12.8	23.1
22	1530	11.0			0.44	1.4		30.7	12.8	23.1
22	1530	12.0			0.43	1.4		30.7	12.8	23.1
22	1530	13.0			0.45	1.4		30.7	12.8	23.1
22	1530	14.0			0.44	1.4		30.7	12.8	23.1
22	1530	15.0			0.43	1.4		30.7	12.8	23.1
22	1530	16.0			0.44	1.4		30.7	12.8	23.1
22	1530	17.0			0.45	1.4		30.7	12.8	23.1
22	1530	18.0			0.46	1.5		30.7	12.8	23.1
21	1513	1.0	2.1	0.63	0.53	1.7	1.2	30.3	12.9	22.8
21	1513	2.0			0.53	1.7		30.4	12.9	22.8
21	1513	3.0			0.53	1.7		30.4	12.9	22.9
21	1513	4.0			0.53	1.7		30.5	12.8	22.9
21	1513	5.0			0.52	1.6		30.5	12.8	22.9
21	1513	6.0			0.51	1.6		30.5	12.8	23.0
21	1513	7.0			0.51	1.6		30.5	12.8	23.0
21	1513	8.0			0.50	1.6		30.5	12.8	23.0
21	1513	9.0			0.51	1.6		30.5	12.8	23.0
21	1513	10.0			0.49	1.5		30.6	12.8	23.0
21	1513	11.0			0.48	1.5		30.6	12.8	23.0
21	1513	12.0			0.47	1.5		30.7	12.7	23.1
21	1513	13.0			0.48	1.5		30.7	12.7	23.1
21	1513	14.0			0.49	1.5		30.7	12.7	23.1
21	1513	15.0			0.49	1.5		30.7	12.7	23.1
21	1513	16.0			0.50	1.6		30.7	12.7	23.1
21	1513	17.0	1.7	0.39	0.49	1.5		30.7	12.7	23.1

Fluorometer Calibration:      n      r^2      A      B      Syx  
                                  10      0.09      0.2      2.75      0.4

LOCATION: North San Francisco Bay  
 DATE: January 31, 1989  
 JULIAN DAY: 89031

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657	1929	1.0	1.6	0.67	0.48	0.7		0.1	8.8	0.0
657	1929	2.0			0.48	0.7		0.1	8.8	0.0
657	1929	3.0			0.50	0.9		0.1	8.8	0.0
657	1929	4.0			0.48	0.7		0.1	8.8	0.0
657	1929	5.0			0.48	0.6		0.1	8.8	0.0
657	1929	6.0			0.47	0.6		0.1	8.8	0.0
657	1929	7.0			0.47	0.6		0.1	8.8	0.0
657	1929	8.0			0.46	0.5		0.1	8.8	0.0
657	1929	9.0			0.46	0.4		0.1	8.8	0.0
653	1857	1.0			0.46	0.4		0.5	8.6	0.2
653	1857	2.0			0.46	0.4		0.5	8.6	0.2
653	1857	3.0			0.46	0.4		0.6	8.6	0.3
653	1857	4.0			0.46	0.4		0.6	8.6	0.3
653	1857	5.0			0.46	0.4		0.6	8.7	0.3
653	1857	6.0			0.47	0.5		0.6	8.7	0.3
653	1857	7.0			0.47	0.5		0.6	8.7	0.3
653	1857	8.0			0.47	0.6		0.6	8.8	0.3
653	1857	9.0			0.47	0.6		0.6	8.8	0.3
649	1823	1.0			0.48	0.6		1.7	8.8	1.1
649	1823	2.0			0.48	0.6		1.7	8.8	1.2
649	1823	3.0			0.48	0.6		1.8	8.9	1.2
649	1823	4.0			0.48	0.6		1.9	8.8	1.3
649	1823	5.0			0.48	0.6		2.2	8.9	1.5
649	1823	6.0			0.47	0.6		3.2	9.0	2.3
649	1823	7.0			0.48	0.6		3.7	9.3	2.7
649	1823	8.0			0.48	0.7		4.0	9.4	2.9
649	1823	9.0			0.48	0.7		4.2	9.4	3.0
649	1823	10.0			0.48	0.6		4.4	9.2	3.2
2	1801	1.0	0.7	0.36	0.47	0.5		4.4	9.1	3.3
2	1801	2.0			0.47	0.5		4.8	9.1	3.6
2	1801	3.0			0.47	0.5		4.9	9.1	3.6
2	1801	4.0			0.47	0.5		4.9	9.1	3.6
2	1801	5.0			0.47	0.5		4.9	9.2	3.6
2	1801	6.0			0.47	0.6		4.9	9.3	3.6
2	1801	7.0			0.47	0.6		4.9	9.3	3.6
2	1801	8.0			0.48	0.6		5.0	9.3	3.7
2	1801	9.0	0.7	0.33	0.48	0.6		5.1	9.3	3.7
3	1748	1.0			0.48	0.6		4.4	9.1	3.2
3	1748	2.0			0.48	0.6		4.4	9.2	3.3
3	1748	3.0			0.48	0.6		4.5	9.2	3.3
3	1748	4.0			0.48	0.7		4.7	9.3	3.4
3	1748	5.0			0.48	0.7		4.8	9.3	3.5
3	1748	6.0			0.48	0.7		5.1	9.3	3.8
3	1748	7.0			0.48	0.7		5.4	9.3	4.0
3	1748	8.0			0.48	0.7		5.7	9.3	4.2
3	1748	9.0			0.49	0.7		5.7	9.3	4.2
3	1748	10.0			0.48	0.6		5.8	9.3	4.3
3	1748	11.0			0.47	0.5		5.8	9.3	4.3
4	1636	1.0	0.0	0.00	0.46	0.5	3.4	7.7	9.3	5.8
4	1636	2.0			0.46	0.5		7.8	9.3	5.8
4	1636	3.0			0.47	0.5		7.9	9.3	6.0
4	1636	4.0			0.47	0.5		7.9	9.3	6.0
4	1636	5.0			0.47	0.6		8.0	9.3	6.0
4	1636	6.0			0.48	0.6		8.1	9.3	6.1
4	1636	7.0			0.47	0.6		8.1	9.3	6.1
4	1636	8.0			0.48	0.6		8.2	9.3	6.2
4	1636	9.0			0.47	0.6		8.2	9.3	6.2
4	1636	10.0	0.3	0.13	0.47	0.6		8.2	9.2	6.2
5	1613	1.0			0.46	0.4	3.4	9.5	9.3	7.2

LOCATION: North San Francisco Bay

DATE: January 31, 1989

JULIAN DAY: 89031

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCDF	SALIN	TEMP	SIGMT
5	1613	2.0			0.46	0.4		9.5	9.3	7.2
5	1613	3.0			0.46	0.4		9.6	9.3	7.3
5	1613	4.0			0.46	0.4		9.6	9.3	7.3
5	1613	5.0			0.46	0.5		9.6	9.3	7.3
5	1613	6.0			0.47	0.5		9.6	9.2	7.3
5	1613	7.0			0.47	0.5		9.7	9.2	7.3
5	1613	8.0			0.47	0.5		9.7	9.2	7.3
5	1613	9.0			0.47	0.5		9.7	9.2	7.3
5	1613	10.0			0.46	0.4		9.7	9.2	7.4
5	1613	11.0			0.44	0.2		9.8	9.2	7.4
6	1542	1.0	0.7	0.33	0.47	0.5	3.4	12.3	9.3	9.4
6	1542	2.0			0.47	0.5		12.3	9.3	9.4
6	1542	3.0			0.47	0.5		12.4	9.4	9.4
6	1542	4.0			0.47	0.6		12.5	9.4	9.5
6	1542	5.0			0.48	0.6		12.7	9.4	9.6
6	1542	6.0			0.48	0.7		12.7	9.5	9.7
6	1542	7.0			0.49	0.7		12.8	9.5	9.7
6	1542	8.0			0.49	0.8		12.8	9.6	9.7
6	1542	9.0			0.50	0.9		12.8	9.6	9.7
6	1542	10.0	0.2	0.08	0.50	0.9		12.8	9.5	9.7
7	1502	1.0			0.48	0.7	2.8	15.2	9.4	11.6
7	1502	2.0			0.48	0.7		15.3	9.4	11.7
7	1502	3.0			0.48	0.6		15.4	9.3	11.8
7	1502	4.0			0.48	0.7		15.5	9.4	11.8
7	1502	5.0			0.49	0.8		15.5	9.4	11.8
7	1502	6.0			0.49	0.8		15.9	9.4	12.2
7	1502	7.0			0.49	0.8		16.1	9.4	12.3
7	1502	8.0			0.50	0.9		16.2	9.4	12.4
7	1502	9.0			0.50	0.9		16.4	9.4	12.5
7	1502	10.0			0.50	0.9		16.5	9.4	12.6
7	1502	11.0			0.49	0.7		16.6	9.4	12.7
7	1502	12.0			0.49	0.8		16.6	9.4	12.7
7	1502	13.0			0.49	0.7		16.7	9.4	12.7
7	1502	14.0			0.49	0.8		16.6	9.4	12.7
7	1502	15.0			0.49	0.7		16.7	9.4	12.8
8	1430	1.0	0.3	0.10	0.53	1.2	3.1	16.6	9.6	12.7
8	1430	2.0			0.53	1.2		17.5	9.5	13.4
8	1430	3.0			0.52	1.2		18.0	9.4	13.6
8	1430	4.0			0.52	1.1		18.0	9.4	13.8
8	1430	5.0			0.52	1.2		18.0	9.4	13.8
8	1430	6.0			0.52	1.2		18.0	9.4	13.8
8	1430	7.0			0.52	1.2		18.1	9.5	13.8
8	1430	8.0			0.52	1.2		18.3	9.5	14.0
8	1430	9.0			0.53	1.2		18.3	9.5	14.0
8	1430	10.0			0.52	1.2		18.9	9.5	14.5
8	1430	11.0			0.52	1.1		19.2	9.6	14.7
8	1430	12.0			0.51	1.1		19.2	9.6	14.7
8	1430	13.0			0.51	1.0		19.3	9.6	14.8
8	1430	14.0	1.3	0.42	0.51	1.0		19.3	9.6	14.7
9	1402	1.0			0.54	1.4	2.9	19.7	9.8	15.1
9	1402	2.0			0.54	1.4		20.0	9.6	15.3
9	1402	3.0			0.54	1.4		20.6	9.6	15.8
9	1402	4.0			0.55	1.5		20.7	9.6	15.9
9	1402	5.0			0.56	1.6		20.7	9.6	15.9
9	1402	6.0			0.56	1.7		20.7	9.6	15.9
9	1402	7.0			0.57	1.8		20.8	9.6	15.9
9	1402	8.0			0.57	1.8		20.8	9.6	15.9
9	1402	9.0			0.58	1.9		20.8	9.6	16.0
9	1402	10.0			0.57	1.8		20.8	9.6	16.0
9	1402	11.0			0.55	1.5		21.1	9.6	16.2
9	1402	12.0			0.55	1.6		21.5	9.6	16.5

LOCATION: North San Francisco Bay  
 DATE: January 31, 1989  
 JULIAN DAY: 89031

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9	1402	13.0			0.54	1.3		21.7	9.6	16.6
9	1402	14.0			0.54	1.4		21.8	9.6	16.7
9	1402	15.0			0.54	1.5		21.9	9.6	16.8
9	1402	16.0			0.53	1.3		21.9	9.6	16.8
9	1402	17.0			0.53	1.2		21.9	9.6	16.8
9	1402	18.0			0.52	1.2		21.9	9.6	16.8
9	1402	19.0			0.52	1.2		21.9	9.6	16.8
9	1402	20.0			0.51	1.1		21.9	9.6	16.8
10	1347	1.0	1.0	0.23	0.55	1.5	3.1	22.0	9.6	16.9
10	1347	2.0			0.55	1.5		22.0	9.6	16.9
10	1347	3.0			0.55	1.5		22.0	9.6	16.9
10	1347	4.0			0.55	1.6		22.0	9.6	16.9
10	1347	5.0			0.56	1.6		22.0	9.6	16.9
10	1347	6.0			0.57	1.7		22.0	9.6	16.9
10	1347	7.0			0.57	1.8		22.0	9.6	16.9
10	1347	8.0			0.58	1.8		22.0	9.6	16.9
10	1347	9.0			0.58	1.9		22.0	9.6	16.9
10	1347	10.0			0.57	1.8		22.0	9.6	16.9
10	1347	11.0			0.56	1.6		22.0	9.6	16.9
10	1347	12.0			0.54	1.4		22.1	9.6	16.9
10	1347	13.0			0.55	1.5		22.1	9.6	16.9
10	1347	14.0			0.55	1.5		22.1	9.6	16.9
10	1347	15.0			0.54	1.4		22.1	9.6	17.0
10	1347	16.0			0.54	1.4		22.3	9.6	17.1
10	1347	17.0			0.53	1.3		22.3	9.6	17.1
10	1347	18.0	1.5	0.37	0.53	1.3		22.3	9.6	17.1
11	1321	1.0	1.6	0.51	0.55	1.5	2.0	23.6	9.6	18.1
11	1321	2.0			0.55	1.5		23.6	9.6	18.1
11	1321	3.0			0.55	1.5		23.8	9.6	18.3
11	1321	4.0			0.55	1.5		23.9	9.6	18.4
11	1321	5.0			0.54	1.5		24.1	9.6	18.5
11	1321	6.0			0.54	1.4		24.3	9.6	18.7
11	1321	7.0			0.55	1.5		24.6	9.6	18.9
11	1321	8.0			0.55	1.6		24.7	9.6	19.0
11	1321	9.0			0.56	1.6		24.8	9.6	19.1
11	1321	10.0			0.55	1.5		24.9	9.6	19.1
11	1321	11.0			0.54	1.3		25.0	9.6	19.2
11	1321	12.0			0.53	1.3		25.1	9.6	19.3
11	1321	13.0			0.52	1.2		25.1	9.6	19.3
11	1321	14.0			0.53	1.2		25.2	9.6	19.3
13	1221	1.0	2.0	0.65	0.58	1.9	1.5	23.6	9.8	18.1
13	1221	2.0			0.58	1.9		23.9	9.8	18.4
13	1221	3.0			0.58	1.9		25.5	9.8	19.6
13	1221	4.0			0.58	1.8		26.9	9.8	20.6
13	1221	5.0			0.58	1.9		27.4	9.8	21.1
13	1221	6.0			0.58	1.9		27.9	9.8	21.4
13	1221	7.0			0.59	2.0		28.3	9.8	21.8
13	1221	8.0			0.59	2.0		28.4	9.8	21.8
13	1221	9.0			0.60	2.1		28.4	9.8	21.9
15	1026	1.0			0.57	1.7	1.0	26.9	9.7	20.7
15	1026	2.0			0.57	1.7		27.0	9.7	20.7
15	1026	3.0			0.57	1.7		27.1	9.7	20.8
15	1026	4.0			0.57	1.7		27.1	9.7	20.9
15	1026	5.0			0.57	1.7		27.2	9.7	20.9
15	1026	6.0			0.56	1.6		27.5	9.8	21.1
15	1026	7.0			0.57	1.8		27.8	9.8	21.4
15	1026	8.0			0.57	1.7		28.2	9.8	21.6
15	1026	9.0			0.57	1.8		28.6	9.8	22.0
15	1026	10.0			0.56	1.7		28.7	9.8	22.1
15	1026	11.0			0.54	1.5		29.0	9.9	22.3
15	1026	12.0			0.54	1.3		29.2	9.9	22.4

LOCATION: North San Francisco Bay  
 DATE: January 31, 1989  
 JULIAN DAY: 89031

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
15	1026	13.0			0.53	1.3		29.2	9.9	22.5
15	1026	14.0			0.52	1.2		29.3	9.9	22.5
15	1026	15.0			0.53	1.2		29.4	9.9	22.6
15	1026	16.0			0.53	1.2		29.5	9.9	22.7
15	1026	17.0			0.53	1.3		29.5	9.9	22.7
15	1026	18.0			0.53	1.3		29.5	9.9	22.7
15	1026	19.0			0.54	1.3		29.6	9.9	22.8
15	1026	20.0			0.55	1.5		29.6	9.9	22.8
15	1026	21.0	2.3	0.72	0.55	1.6		29.6	9.9	22.8

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  14      0.46      -5.2      12.26      0.5



LOCATION: South San Francisco Bay  
DATE: February 1, 1989  
JULIAN DAY: 89032

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	1706	1.0	3.4	0.68	0.85	3.6	1.6	27.8	10.4	21.2
32	1706	2.0			0.85	3.6		27.8	10.4	21.3
32	1706	3.0			0.85	3.6		27.9	10.4	21.3
32	1706	4.0			0.86	3.8		27.9	10.5	21.3
32	1706	5.0			0.89	4.1		27.8	10.7	21.2
32	1706	6.0			0.99	5.1		27.9	10.8	21.3
32	1706	7.0	4.9	0.67	1.07	5.9		28.0	10.8	21.4
31	1654	1.0			0.87	3.9	1.6	28.0	10.4	21.4
31	1654	2.0			0.87	3.9		28.0	10.4	21.5
31	1654	3.0			0.86	3.8		28.2	10.4	21.6
31	1654	4.0			0.86	3.8		28.2	10.4	21.6
31	1654	5.0			0.86	3.7		28.2	10.4	21.6
31	1654	6.0			0.86	3.8		28.3	10.3	21.7
31	1654	7.0			0.85	3.7		28.3	10.3	21.7
31	1654	8.0			0.86	3.8		28.4	10.3	21.7
31	1654	9.0			0.87	3.8		28.4	10.3	21.7
31	1654	10.0			0.86	3.8		28.4	10.3	21.8
31	1654	11.0			0.84	3.6		28.5	10.3	21.8
31	1654	12.0			0.83	3.5		28.5	10.3	21.9
31	1654	13.0			0.83	3.4		28.5	10.2	21.9
30	1637	1.0	3.0	0.70	0.77	2.9	1.5	28.6	10.2	21.9
30	1637	2.0			0.77	2.9		28.6	10.2	22.0
30	1637	3.0			0.76	2.8		28.7	10.1	22.0
30	1637	4.0			0.76	2.8		28.7	10.1	22.0
30	1637	5.0			0.76	2.8		28.7	10.1	22.0
30	1637	6.0			0.76	2.8		28.7	10.1	22.0
30	1637	7.0			0.76	2.7		28.8	10.1	22.1
30	1637	8.0			0.78	3.0		28.7	10.1	22.1
30	1637	9.0			0.82	3.4		28.8	10.2	22.1
30	1637	10.0			0.92	4.4		28.6	10.4	21.9
30	1637	11.0			1.05	5.6		28.8	10.5	22.0
30	1637	12.0			1.23	7.5		29.0	10.7	22.1
30	1637	13.0	10.3	0.86	1.46	9.7		29.2	10.8	22.3
29	1613	1.0			0.75	2.6	1.7	29.1	10.0	22.3
29	1613	2.0			0.75	2.6		29.1	10.1	22.3
29	1613	3.0			0.75	2.7		29.1	10.1	22.3
29	1613	4.0			0.75	2.7		29.1	10.1	22.3
29	1613	5.0			0.75	2.6		29.1	10.1	22.4
29	1613	6.0			0.75	2.7		29.1	10.0	22.4
29	1613	7.0			0.74	2.6		29.2	10.0	22.4
29	1613	8.0			0.75	2.7		29.2	10.0	22.4
29	1613	9.0			0.76	2.8		29.2	10.0	22.4
29	1613	10.0			0.75	2.7		29.2	10.0	22.4
29	1613	11.0			0.74	2.6		29.2	10.0	22.4
29	1613	12.0			0.75	2.7		29.2	10.0	22.5
29	1613	13.0			0.76	2.8		29.2	10.0	22.5
28	1558	1.0			0.82	3.3	1.9	29.3	10.1	22.5
28	1558	2.0			0.82	3.3		29.3	10.1	22.5
28	1558	3.0			0.82	3.4		29.3	10.1	22.5
28	1558	4.0			0.82	3.3		29.3	10.1	22.5
28	1558	5.0			0.82	3.3		29.3	10.1	22.5
28	1558	6.0			0.82	3.4		29.3	10.1	22.5
28	1558	7.0			0.82	3.4		29.3	10.1	22.5
28	1558	8.0			0.84	3.6		29.3	10.1	22.5
28	1558	9.0			0.85	3.6		29.3	10.1	22.5
28	1558	10.0			0.86	3.7		29.3	10.1	22.5
28	1558	11.0			0.85	3.7		29.3	10.1	22.5
28	1558	12.0			0.85	3.7		29.4	10.1	22.5
28	1558	13.0			0.84	3.6		29.4	10.1	22.5
28	1558	14.0			0.86	3.8		29.4	10.1	22.5
27	1545	1.0	3.6	0.61	0.88	4.0	1.9	29.4	10.1	22.6

LOCATION: South San Francisco Bay  
DATE: February 1, 1989  
JULIAN DAY: 89032

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
27	1545	2.0			0.88	4.0		29.4	10.1	22.6
27	1545	3.0			0.88	4.0		29.4	10.1	22.6
27	1545	4.0			0.88	4.0		29.4	10.1	22.6
27	1545	5.0			0.87	3.9		29.4	10.1	22.6
27	1545	6.0			0.90	4.1		29.4	10.1	22.6
27	1545	7.0			0.89	4.1		29.4	10.1	22.6
27	1545	8.0			0.91	4.3		29.4	10.1	22.6
27	1545	9.0			0.92	4.4		29.4	10.1	22.6
27	1545	10.0			0.93	4.5		29.5	10.1	22.6
27	1545	11.0	4.5	0.61	0.93	4.5		29.5	10.1	22.6
26	1533	1.0			1.09	6.0	2.2	29.5	10.1	22.7
26	1533	2.0			1.09	6.0		29.5	10.1	22.7
26	1533	3.0			1.09	6.1		29.5	10.1	22.7
26	1533	4.0			1.09	6.0		29.5	10.1	22.7
26	1533	5.0			1.09	6.1		29.5	10.1	22.7
26	1533	6.0			1.13	6.4		29.5	10.1	22.7
26	1533	7.0			1.14	6.6		29.5	10.1	22.7
26	1533	8.0			1.16	6.8		29.5	10.1	22.7
26	1533	9.0			1.17	6.8		29.5	10.1	22.7
25	1512	1.0			1.38	8.9	1.9	29.7	10.1	22.8
25	1512	2.0			1.38	8.9		29.7	10.1	22.8
25	1512	3.0			1.38	8.9		29.7	10.1	22.8
25	1512	4.0			1.38	8.9		29.7	10.1	22.8
25	1512	5.0			1.38	8.9		29.7	10.1	22.8
25	1512	6.0			1.38	8.9		29.7	10.1	22.8
25	1512	7.0			1.40	9.1		29.7	10.1	22.8
24	1454	1.0	2.5	0.52	0.72	2.4	2.4	29.7	9.9	22.8
24	1454	2.0			0.72	2.4		29.7	9.9	22.8
24	1454	3.0			0.72	2.4		29.7	9.9	22.8
24	1454	4.0			0.72	2.4		29.7	9.9	22.8
24	1454	5.0			0.72	2.4		29.7	9.9	22.8
24	1454	6.0			0.73	2.5		29.7	9.9	22.8
24	1454	7.0			0.74	2.5		29.7	9.9	22.8
24	1454	8.0			0.74	2.6		29.7	9.9	22.8
24	1454	9.0	2.6	0.51	0.75	2.6		29.7	9.9	22.8
23	1439	1.0			1.19	7.0	1.8	29.8	10.0	22.9
23	1439	2.0			1.19	7.0		29.8	10.0	22.9
23	1439	3.0			1.17	6.9		29.7	10.0	22.9
23	1439	4.0			1.19	7.0		29.7	10.0	22.9
23	1439	5.0			1.17	6.8		29.8	10.0	22.9
23	1439	6.0			1.18	6.9		29.7	10.0	22.9
23	1439	7.0			1.21	7.2		29.7	10.0	22.9
23	1439	8.0			1.22	7.3		29.7	10.0	22.9
23	1439	9.0			1.22	7.4		29.7	10.0	22.9
23	1439	10.0			1.20	7.2		29.7	10.0	22.9
23	1439	11.0			1.19	7.0		29.7	10.0	22.9
23	1439	12.0			1.17	6.9		29.7	10.0	22.9
23	1439	13.0			1.14	6.5		29.7	10.0	22.9
23	1439	14.0			1.11	6.3		29.7	10.0	22.9
23	1439	15.0			1.10	6.1		29.7	10.0	22.9
23	1439	16.0			1.08	5.9		29.7	10.0	22.9
22	1418	1.0			0.65	1.7	2.0	29.7	9.8	22.8
22	1418	2.0			0.65	1.7		29.7	9.8	22.8
22	1418	3.0			0.66	1.8		29.7	9.8	22.8
22	1418	4.0			0.66	1.8		29.7	9.8	22.8
22	1418	5.0			0.65	1.7		29.7	9.8	22.8
22	1418	6.0			0.67	1.9		29.7	9.8	22.8
22	1418	7.0			0.68	2.0		29.7	9.8	22.8
22	1418	8.0			0.68	2.0		29.7	9.8	22.8
22	1418	9.0			0.68	2.0		29.7	9.8	22.8

LOCATION: South San Francisco Bay  
 DATE: February 1, 1989  
 JULIAN DAY: 89032

STN	TIME	DEPTH	DISCR		FLUOR	CALC		EXCOF	SALIN	TEMP	SIGMT
			CHL a	CHLa/ a+PHA		CHL a					
22	1418	10.0			0.68	2.0			29.7	9.8	22.8
22	1418	11.0			0.69	2.1			29.7	9.8	22.8
22	1418	12.0			0.68	2.0			29.7	9.8	22.8
22	1418	13.0			0.68	2.0			29.7	9.8	22.8
22	1418	14.0			0.67	1.9			29.7	9.8	22.8
22	1418	15.0			0.68	2.0			29.7	9.8	22.8
22	1418	16.0			0.68	2.0			29.7	9.8	22.8
22	1418	17.0			0.68	2.0			29.7	9.8	22.8
21	1402	1.0	3.1	0.61	0.77	2.9	1.6		29.7	10.0	22.8
21	1402	2.0			0.77	2.9			29.7	10.0	22.8
21	1402	3.0			0.78	3.0			29.7	10.0	22.8
21	1402	4.0			0.79	3.1			29.7	10.0	22.8
21	1402	5.0			0.78	3.0			29.7	10.0	22.8
21	1402	6.0			0.78	3.0			29.7	10.0	22.8
21	1402	7.0			0.78	2.9			29.8	10.0	22.9
21	1402	8.0			0.77	2.9			29.8	10.0	22.9
21	1402	9.0			0.78	2.9			29.8	10.0	22.9
21	1402	10.0			0.76	2.8			29.8	10.0	22.9
21	1402	11.0			0.75	2.6			29.8	10.0	22.9
21	1402	12.0			0.74	2.5			29.8	10.0	22.9
21	1402	13.0			0.73	2.5			29.8	10.0	22.9
21	1402	14.0	3.2	0.60	0.73	2.5			29.8	10.0	22.9

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  10      0.96      -4.7      9.86      0.5

LOCATION: South San Francisco Bay  
 DATE: February 14, 1989  
 JULIAN DAY: 89045

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32		1.0	4.5	0.68						
30	826	1.0	4.2	0.71	0.90	3.9	2.3	29.2	8.4	22.7
30	826	2.0			0.90	3.9		29.2	8.4	22.7
30	826	3.0			0.90	3.9		29.2	8.5	22.7
30	826	4.0			0.90	3.9		29.2	8.5	22.7
30	826	5.0			0.89	3.9		29.2	8.5	22.7
30	826	6.0			0.90	3.9		29.2	8.5	22.7
30	826	7.0			0.91	3.9		29.2	8.5	22.7
30	826	8.0			0.92	4.0		29.2	8.5	22.7
30	826	9.0			0.92	4.0		29.2	8.5	22.7
30	826	10.0			0.93	4.0		29.2	8.5	22.7
30	826	11.0			0.92	4.0		29.2	8.5	22.7
30	826	12.0			0.93	4.0		29.2	8.5	22.7
30	826	13.0			0.92	4.0		29.2	8.5	22.7
30	826	14.0	3.8	0.46	0.92	4.0		29.3	8.5	22.7
29	848	1.0			0.91	3.9	2.0	29.4	8.6	22.8
29	848	2.0			0.91	3.9		29.4	8.6	22.8
29	848	3.0			0.91	4.0		29.4	8.6	22.8
29	848	4.0			0.91	3.9		29.4	8.6	22.8
29	848	5.0			0.90	3.9		29.4	8.6	22.8
29	848	6.0			0.91	4.0		29.4	8.6	22.8
29	848	7.0			0.93	4.0		29.4	8.6	22.8
29	848	8.0			0.95	4.2		29.4	8.6	22.8
29	848	9.0			0.95	4.1		29.4	8.6	22.8
29	848	10.0			0.95	4.1		29.4	8.6	22.8
29	848	11.0			0.93	4.1		29.4	8.6	22.8
29	848	12.0			0.93	4.0		29.4	8.6	22.8
29	848	13.0			0.92	4.0		29.4	8.6	22.8
29	848	14.0			0.92	4.0		29.4	8.6	22.8
28	904	1.0			0.76	3.3	1.9	29.5	8.6	22.9
28	904	2.0			0.76	3.3		29.5	8.6	22.9
28	904	3.0			0.75	3.3		29.5	8.6	22.9
28	904	4.0			0.76	3.3		29.5	8.6	22.9
28	904	5.0			0.75	3.3		29.5	8.6	22.9
28	904	6.0			0.75	3.2		29.5	8.6	22.9
28	904	7.0			0.75	3.3		29.6	8.6	22.9
28	904	8.0			0.75	3.2		29.6	8.6	22.9
28	904	9.0			0.76	3.3		29.6	8.6	22.9
28	904	10.0			0.75	3.2		29.6	8.6	22.9
28	904	11.0			0.76	3.3		29.6	8.6	23.0
28	904	12.0			0.74	3.2		29.6	8.6	23.0
28	904	13.0			0.76	3.3		29.6	8.6	23.0
28	904	14.0			0.73	3.2		29.6	8.6	23.0
27	916	1.0	3.6	0.62	0.77	3.3	1.9	29.5	8.6	22.9
27	916	2.0			0.77	3.3		29.5	8.6	22.9
27	916	3.0			0.77	3.3		29.6	8.6	22.9
27	916	4.0			0.78	3.4		29.6	8.6	23.0
27	916	5.0			0.76	3.3		29.6	8.6	23.0
27	916	6.0			0.75	3.3		29.6	8.6	23.0
27	916	7.0			0.75	3.3		29.6	8.6	23.0
27	916	8.0			0.76	3.3		29.7	8.6	23.0
27	916	9.0			0.78	3.4		29.7	8.6	23.0
27	916	10.0			0.76	3.3		29.7	8.6	23.0
27	916	11.0	2.9	0.43	0.76	3.3		29.7	8.6	23.0
26	928	1.0			0.75	3.2	1.9	29.6	8.6	23.0
26	928	2.0			0.75	3.2		29.6	8.5	23.0
26	928	3.0			0.74	3.2		29.6	8.5	23.0
26	928	4.0			0.74	3.2		29.7	8.5	23.0
26	928	5.0			0.73	3.2		29.7	8.5	23.0
26	928	6.0			0.72	3.1		29.7	8.5	23.0

LOCATION: South San Francisco Bay  
 DATE: February 14, 1989  
 JULIAN DAY: 89045

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
26	928	7.0			0.74	3.2		29.7	8.5	23.0
26	928	8.0			0.73	3.2		29.7	8.5	23.0
26	928	9.0			0.75	3.2		29.7	8.5	23.0
25	945	1.0			0.78	3.4	2.1	29.6	8.4	22.9
25	945	2.0			0.78	3.4		29.6	8.4	23.0
25	945	3.0			0.79	3.4		29.6	8.4	23.0
25	945	4.0			0.79	3.4		29.6	8.4	23.0
25	945	5.0			0.79	3.4		29.7	8.4	23.0
25	945	6.0			0.80	3.5		29.7	8.4	23.0
25	945	7.0			0.80	3.5		29.7	8.4	23.1
25	945	8.0			0.82	3.6		29.7	8.4	23.1
24	959	1.0	2.7	0.53	0.64	2.8	1.9	29.9	8.6	23.2
24	959	2.0			0.64	2.8		29.9	8.6	23.2
24	959	3.0			0.65	2.8		29.9	8.6	23.2
24	959	4.0			0.66	2.8		29.9	8.6	23.2
24	959	5.0			0.65	2.8		29.9	8.6	23.2
24	959	6.0			0.67	2.9		29.9	8.6	23.2
24	959	7.0			0.67	2.9		30.0	8.6	23.2
24	959	8.0			0.70	3.0		30.0	8.6	23.2
24	959	9.0	2.6	0.36	0.71	3.1		30.0	8.6	23.2
23	1014	1.0			0.65	2.8	2.0	30.2	8.6	23.4
23	1014	2.0			0.65	2.8		30.2	8.6	23.4
23	1014	3.0			0.65	2.8		30.2	8.6	23.4
23	1014	4.0			0.66	2.8		30.2	8.6	23.4
23	1014	5.0			0.65	2.8		30.2	8.6	23.4
23	1014	6.0			0.66	2.8		30.2	8.6	23.4
23	1014	7.0			0.66	2.8		30.2	8.6	23.4
23	1014	8.0			0.68	2.9		30.2	8.6	23.4
23	1014	9.0			0.68	2.9		30.2	8.6	23.4
23	1014	10.0			0.68	2.9		30.2	8.6	23.4
23	1014	11.0			0.67	2.9		30.2	8.6	23.4
23	1014	12.0			0.68	2.9		30.2	8.6	23.4
23	1014	13.0			0.67	2.9		30.2	8.6	23.4
23	1014	14.0			0.67	2.9		30.2	8.6	23.4
22	1032	1.0			0.63	2.7	2.2	30.3	8.8	23.4
22	1032	2.0			0.63	2.7		30.3	8.8	23.4
22	1032	3.0			0.63	2.7		30.3	8.8	23.4
22	1032	4.0			0.62	2.7		30.3	8.7	23.4
22	1032	5.0			0.63	2.7		30.3	8.7	23.5
22	1032	6.0			0.65	2.8		30.3	8.7	23.5
22	1032	7.0			0.65	2.8		30.3	8.7	23.5
22	1032	8.0			0.66	2.9		30.3	8.7	23.5
22	1032	9.0			0.67	2.9		30.3	8.7	23.5
22	1032	10.0			0.65	2.8		30.3	8.7	23.5
22	1032	11.0			0.66	2.8		30.3	8.7	23.5
22	1032	12.0			0.66	2.8		30.3	8.7	23.5
22	1032	13.0			0.65	2.8		30.3	8.7	23.5
22	1032	14.0			0.67	2.9		30.3	8.7	23.5
22	1032	15.0			0.68	2.9		30.3	8.7	23.5
22	1032	16.0			0.68	2.9		30.3	8.7	23.5
21	1045	1.0	3.1	0.49	0.65	2.8	1.9	30.3	8.8	23.4
21	1045	2.0			0.65	2.8		30.3	8.8	23.5
21	1045	3.0			0.67	2.9		30.3	8.7	23.5
21	1045	4.0			0.67	2.9		30.3	8.7	23.5
21	1045	5.0			0.67	2.9		30.3	8.7	23.5
21	1045	6.0			0.68	2.9		30.4	8.7	23.5
21	1045	7.0			0.70	3.0		30.4	8.7	23.6
21	1045	8.0			0.71	3.1		30.4	8.7	23.6
21	1045	9.0			0.74	3.2		30.4	8.7	23.5
21	1045	10.0			0.72	3.1		30.4	8.7	23.5

LOCATION: South San Francisco Bay  
 DATE: February 14, 1989  
 JULIAN DAY: 89045

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
21	1045	11.0			0.73	3.1		30.4	8.7	23.5
21	1045	12.0			0.72	3.1		30.4	8.7	23.6
21	1045	13.0			0.72	3.1		30.4	8.7	23.6
21	1045	14.0			0.72	3.1		30.5	8.7	23.6
21	1045	15.0			0.73	3.1		30.5	8.7	23.6
21	1045	16.0	3.4	0.39	0.72	3.1		30.5	8.7	23.6

Fluorometer Calibration:    n     $r^2$     A    B    Syx

                              8    0.66    -0.1    4.43    0.4

LOCATION: North San Francisco Bay  
DATE: February 28, 1989  
JULIAN DAY: 89059

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657	1823	1.0	1.5	0.56	0.44	1.0		0.1	12.2	0.0
657	1823	2.0			0.44	1.0		0.1	12.2	0.0
657	1823	3.0			0.45	1.0		0.1	12.2	0.0
657	1823	4.0			0.45	1.0		0.1	12.2	0.0
657	1823	5.0			0.45	1.0		0.1	12.2	0.0
657	1823	6.0			0.45	1.0		0.1	12.2	0.0
657	1823	7.0			0.45	1.0		0.1	12.2	0.0
657	1823	8.0			0.44	1.0		0.1	12.2	0.0
657	1823	9.0	1.7	0.53	0.44	1.0		0.1	12.2	0.0
653	1754	1.0			0.43	0.9	1.9	0.1	12.1	0.0
653	1754	2.0			0.43	0.9		0.1	12.1	0.0
653	1754	3.0			0.44	1.0		0.1	12.1	0.0
653	1754	4.0			0.44	1.0		0.1	12.0	0.0
653	1754	5.0			0.45	1.0		0.2	11.9	0.0
653	1754	6.0			0.46	1.1		0.4	11.8	0.0
653	1754	7.0			0.48	1.2		0.4	11.8	0.0
653	1754	8.0			0.49	1.2		0.5	11.8	0.0
653	1754	9.0			0.50	1.3		0.5	11.8	0.0
649	1719	1.0			0.49	1.2	2.7	1.0	11.2	0.4
649	1719	2.0			0.49	1.2		1.2	11.1	0.6
649	1719	3.0			0.49	1.2		1.6	11.2	0.8
649	1719	4.0			0.49	1.2		1.7	11.4	0.9
649	1719	5.0			0.49	1.2		2.1	11.6	1.2
649	1719	6.0			0.50	1.3		2.4	11.7	1.4
649	1719	7.0			0.50	1.2		2.6	11.6	1.6
649	1719	8.0			0.50	1.2		2.7	11.5	1.7
649	1719	9.0			0.49	1.2		2.7	11.5	1.7
649	1719	10.0			0.49	1.2		2.8	11.6	1.7
2	1700	1.0	1.4	0.49	0.51	1.3	2.6	2.8	11.6	1.7
2	1700	2.0			0.51	1.3		3.1	11.8	1.9
2	1700	3.0			0.51	1.3		3.4	12.0	2.1
2	1700	4.0			0.52	1.3		3.4	12.0	2.1
2	1700	5.0			0.52	1.4		3.4	12.0	2.1
2	1700	6.0			0.53	1.4		3.4	12.0	2.2
2	1700	7.0			0.53	1.4		3.4	12.0	2.2
2	1700	8.0			0.53	1.4		3.4	11.9	2.2
2	1700	9.0			0.53	1.4		3.6	11.9	2.3
2	1700	10.0	1.1	0.35	0.53	1.4		4.1	11.9	2.7
3	1642	1.0			0.51	1.3	2.6	3.2	11.8	2.0
3	1642	2.0			0.51	1.3		3.2	11.8	2.1
3	1642	3.0			0.50	1.3		3.3	11.8	2.1
3	1642	4.0			0.50	1.3		3.6	11.8	2.3
3	1642	5.0			0.51	1.3		3.8	11.9	2.5
3	1642	6.0			0.52	1.3		4.0	11.9	2.7
3	1642	7.0			0.52	1.4		4.3	11.9	2.8
3	1642	8.0			0.52	1.4		4.3	11.9	2.9
3	1642	9.0			0.53	1.4		4.4	11.9	3.0
3	1642	10.0			0.52	1.4		4.9	12.0	3.3
3	1642	11.0			0.52	1.3		5.1	12.0	3.5
4	1530	1.0	1.1	0.35	0.51	1.3	3.0	5.6	11.8	3.9
4	1530	2.0			0.51	1.3		5.7	11.8	3.9
4	1530	3.0			0.51	1.3		5.7	11.8	3.9
4	1530	4.0			0.52	1.3		5.7	11.8	4.0
4	1530	5.0			0.52	1.4		5.8	11.8	4.0
4	1530	6.0			0.52	1.3		5.8	11.8	4.0
4	1530	7.0			0.52	1.3		5.8	11.8	4.0
4	1530	8.0			0.51	1.3		5.8	11.8	4.0
4	1530	9.0			0.51	1.3		5.8	11.8	4.0
4	1530	10.0	1.2	0.37	0.51	1.3		5.8	11.8	4.1
5	1505	1.0			0.52	1.4	2.9	6.9	11.8	4.9

LOCATION: North San Francisco Bay  
 DATE: February 28, 1989  
 JULIAN DAY: 89059

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
5	1505	2.0			0.52	1.4		6.9	11.8	4.8
5	1505	3.0			0.52	1.4		6.9	11.8	4.8
5	1505	4.0			0.52	1.4		7.0	11.8	4.9
5	1505	5.0			0.53	1.4		7.1	11.8	5.0
5	1505	6.0			0.53	1.4		7.1	11.8	5.0
5	1505	7.0			0.54	1.4		7.1	11.7	5.1
5	1505	8.0			0.54	1.4		7.2	11.7	5.1
5	1505	9.0			0.54	1.4		7.2	11.7	5.1
5	1505	10.0			0.53	1.4		7.2	11.7	5.1
6	1429	1.0	0.6	0.21	0.54	1.5	3.3	9.5	11.5	6.9
6	1429	2.0			0.54	1.5		9.5	11.5	6.9
6	1429	3.0			0.54	1.5		9.5	11.5	6.9
6	1429	4.0			0.54	1.5		9.5	11.5	6.9
6	1429	5.0			0.55	1.5		9.5	11.5	6.9
6	1429	6.0			0.56	1.5		9.6	11.6	7.0
6	1429	7.0			0.57	1.6		9.8	11.6	7.2
6	1429	8.0			0.57	1.6		10.0	11.6	7.3
6	1429	9.0			0.58	1.7		10.2	11.7	7.4
6	1429	10.0			0.59	1.7		10.2	11.7	7.5
7	1356	1.0			0.55	1.5	2.7	12.7	11.2	9.4
7	1356	2.0			0.55	1.5		12.7	11.2	9.5
7	1356	3.0			0.55	1.5		12.8	11.2	9.5
7	1356	4.0			0.55	1.5		12.8	11.2	9.5
7	1356	5.0			0.55	1.5		12.8	11.2	9.5
7	1356	6.0			0.55	1.5		12.8	11.2	9.5
7	1356	7.0			0.56	1.5		12.9	11.2	9.6
7	1356	8.0			0.56	1.5		13.1	11.1	9.8
7	1356	9.0			0.56	1.6		13.6	11.1	10.1
7	1356	10.0			0.56	1.6		13.8	11.1	10.3
7	1356	11.0			0.55	1.5		13.9	11.1	10.4
7	1356	12.0			0.54	1.4		13.9	11.1	10.4
8	1328	1.0	1.0	0.31	0.58	1.6	3.3	14.8	10.9	11.1
8	1328	2.0			0.58	1.6		15.0	10.9	11.3
8	1328	3.0			0.58	1.6		15.3	10.9	11.5
8	1328	4.0			0.58	1.6		15.2	10.9	11.5
8	1328	5.0			0.58	1.7		15.4	10.9	11.6
8	1328	6.0			0.58	1.6		16.3	10.9	12.3
8	1328	7.0			0.58	1.7		16.7	10.9	12.6
8	1328	8.0			0.59	1.7		16.8	11.0	12.7
8	1328	9.0			0.59	1.7		16.9	11.0	12.7
8	1328	10.0			0.59	1.7		16.9	11.0	12.7
8	1328	11.0			0.60	1.7		16.9	11.0	12.7
8	1328	12.0	1.2	0.27	0.59	1.7		16.9	11.0	12.8
9	1302	1.0			0.59	1.7	2.8	17.9	11.0	13.5
9	1302	2.0			0.59	1.7		18.0	11.0	13.6
9	1302	3.0			0.59	1.7		18.0	11.0	13.6
9	1302	4.0			0.61	1.8		18.2	11.0	13.7
9	1302	5.0			0.62	1.8		18.4	11.0	13.9
9	1302	6.0			0.63	1.9		18.5	11.1	13.9
9	1302	7.0			0.64	1.9		18.6	11.1	14.0
9	1302	8.0			0.64	1.9		18.6	11.1	14.0
9	1302	9.0			0.65	2.0		18.6	11.1	14.0
9	1302	10.0			0.65	2.0		18.8	11.1	14.2
9	1302	11.0			0.63	1.9		18.7	11.1	14.1
9	1302	12.0			0.63	1.9		18.8	11.1	14.2
9	1302	13.0			0.66	2.0		19.3	11.3	14.6
10	1245	1.0	1.7	0.42	0.63	1.9	2.5	19.4	11.1	14.6
10	1245	2.0			0.63	1.9		19.4	11.1	14.7
10	1245	3.0			0.63	1.9		19.6	11.1	14.8
10	1245	4.0			0.64	1.9		19.7	11.1	14.9



LOCATION: North San Francisco Bay  
 DATE: February 28, 1989  
 JULIAN DAY: 89059

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
10	1245	5.0			0.78	2.6		19.7	11.1	14.9
10	1245	6.0			0.70	2.2		19.8	11.1	14.9
10	1245	7.0			0.72	2.3		19.8	11.1	14.9
10	1245	8.0			0.71	2.3		19.8	11.1	15.0
10	1245	9.0			0.70	2.2		19.8	11.1	15.0
10	1245	10.0			0.69	2.2		19.9	11.1	15.0
10	1245	11.0			0.68	2.1		19.9	11.1	15.1
10	1245	12.0			0.66	2.0		19.9	11.1	15.0
10	1245	13.0			0.65	2.0		19.9	11.1	15.1
10	1245	14.0			0.66	2.0		19.9	11.1	15.1
10	1245	15.0	2.4	0.42	0.65	2.0		19.9	11.1	15.1
11	1210	1.0			0.75	2.5	2.5	22.2	11.4	16.8
11	1210	2.0			0.75	2.5		22.2	11.3	16.8
11	1210	3.0			0.76	2.5		22.2	11.3	16.8
11	1210	4.0			0.77	2.6		22.2	11.3	16.8
11	1210	5.0			0.79	2.6		22.2	11.3	16.8
11	1210	6.0			0.80	2.7		22.2	11.3	16.8
11	1210	7.0			0.82	2.8		22.2	11.3	16.8
11	1210	8.0			0.83	2.8		22.2	11.3	16.8
11	1210	9.0			0.84	2.9		22.2	11.3	16.8
11	1210	10.0			0.83	2.9		22.2	11.3	16.8
11	1210	11.0			0.83	2.8		22.2	11.3	16.8
13	1118	1.0			0.68	2.1	1.9	25.8	10.9	19.6
13	1118	2.0			0.68	2.1		25.9	10.8	19.7
13	1118	3.0			0.69	2.2		26.0	10.8	19.8
13	1118	4.0			0.69	2.2		26.2	10.8	20.0
13	1118	5.0			0.69	2.2		26.3	10.8	20.0
13	1118	6.0			0.71	2.3		26.6	10.7	20.3
13	1118	7.0			0.71	2.3		26.9	10.7	20.5
13	1118	8.0			0.72	2.3		27.0	10.7	20.6
13	1118	9.0			0.73	2.4		27.1	10.6	20.7
15	1028	1.0	3.2	0.66	0.66	2.0	1.3	26.6	10.8	20.3
15	1028	2.0			0.66	2.0		27.3	10.7	20.8
15	1028	3.0			0.66	2.0		27.6	10.6	21.1
15	1028	4.0			0.69	2.2		27.7	10.6	21.2
15	1028	5.0			0.65	2.0		27.8	10.5	21.2
15	1028	6.0			0.65	2.0		27.8	10.5	21.3
15	1028	7.0			0.64	1.9		27.9	10.5	21.3
15	1028	8.0			0.64	1.9		27.9	10.5	21.4
15	1028	9.0			0.65	2.0		28.0	10.5	21.4
15	1028	10.0			0.64	1.9		28.0	10.5	21.4
15	1028	11.0			0.63	1.9		28.0	10.6	21.4
15	1028	12.0			0.63	1.9		28.1	10.6	21.5
15	1028	13.0			0.62	1.8		28.1	10.6	21.5
15	1028	14.0			0.62	1.8		28.2	10.6	21.6
15	1028	15.0			0.61	1.8		28.5	10.6	21.7
15	1028	16.0			0.61	1.8		28.5	10.6	21.8
15	1028	17.0			0.61	1.8		28.6	10.6	21.9
15	1028	18.0			0.61	1.8		28.7	10.6	22.0
15	1028	19.0			0.61	1.8		28.8	10.6	22.0
15	1028	20.0			0.61	1.8		28.8	10.6	22.0
15	1028	21.0			0.61	1.8		28.8	10.6	22.0

Fluorometer Calibration:      n      r^2      A      B      Syx  
                                  12      0.27      -1.1      4.76      0.6

LOCATION: South San Francisco Bay  
DATE: MARCH 1, 1989  
JULIAN DAY: 89060

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	1608	1.0	60.3	0.84	5.77	53.7	2.3	27.6	12.4	20.7
32	1608	2.0			5.77	53.7		27.8	12.4	20.9
32	1608	3.0			5.66	52.5		27.9	12.4	21.0
32	1608	4.0			5.87	54.7		28.1	12.4	21.1
32	1608	5.0			5.90	55.0		28.1	12.4	21.2
32	1608	6.0			5.98	55.9		28.2	12.4	21.2
32	1608	7.0			5.90	55.0		28.3	12.3	21.3
32	1608	8.0			5.86	54.6		28.3	12.3	21.3
32	1608	9.0	62.5	0.76	5.88	54.8		28.3	12.3	21.3
32	1608	10.0			5.88	54.8		28.3	12.3	21.3
31	1547	1.0			5.76	53.5	2.3	27.7	12.5	20.8
31	1547	2.0			5.76	53.5		27.9	12.4	21.0
31	1547	3.0			5.66	52.5		28.1	12.4	21.1
31	1547	4.0			5.54	51.3		28.1	12.4	21.2
31	1547	5.0			5.30	48.8		28.2	12.4	21.3
31	1547	6.0			5.32	49.1		28.3	12.4	21.3
31	1547	7.0			5.31	49.0		28.3	12.4	21.3
31	1547	8.0			5.25	48.4		28.3	12.4	21.3
31	1547	9.0			5.33	49.2		28.3	12.4	21.4
31	1547	10.0			5.45	50.4		28.4	12.4	21.4
31	1547	11.0			5.67	52.6		28.4	12.4	21.4
31	1547	12.0			5.70	52.9		28.4	12.4	21.4
31	1547	13.0			5.79	53.9		28.4	12.4	21.4
30	1531	1.0	53.2	0.84	5.59	51.9	2.2	28.2	12.5	21.2
30	1531	2.0			5.59	51.9		28.3	12.4	21.4
30	1531	3.0			5.44	50.3		28.5	12.3	21.5
30	1531	4.0			5.01	45.9		28.6	12.1	21.6
30	1531	5.0			4.81	43.8		28.6	12.1	21.6
30	1531	6.0			4.79	43.7		28.6	12.1	21.6
30	1531	7.0			4.82	44.0		28.7	12.1	21.7
30	1531	8.0			5.07	46.6		28.7	12.1	21.7
30	1531	9.0			5.06	46.5		28.7	12.1	21.7
30	1531	10.0			5.17	47.6		28.7	12.1	21.7
30	1531	11.0			5.32	49.1		28.7	12.1	21.7
30	1531	12.0			5.38	49.7		28.7	12.1	21.7
30	1531	13.0			5.55	51.5		28.8	12.1	21.7
29	1505	1.0			3.33	28.8	2.0	28.7	12.0	21.7
29	1505	2.0			3.33	28.8		28.8	11.9	21.8
29	1505	3.0			3.25	27.9		28.8	11.8	21.8
29	1505	4.0			3.24	27.8		28.8	11.8	21.8
29	1505	5.0			3.13	26.7		28.9	11.7	21.9
29	1505	6.0			3.00	25.4		28.9	11.7	21.9
29	1505	7.0			2.98	25.2		28.9	11.7	21.9
29	1505	8.0			3.04	25.8		28.9	11.7	21.9
29	1505	9.0			3.02	25.6		28.9	11.7	21.9
29	1505	10.0			2.93	24.6		28.9	11.7	21.9
29	1505	11.0			3.04	25.8		28.9	11.6	21.9
29	1505	12.0			2.98	25.2		28.9	11.6	22.0
29	1505	13.0			3.24	27.8		28.9	11.6	22.0
28	1448	1.0			2.62	21.4	1.9	28.9	11.7	21.9
28	1448	2.0			2.62	21.4		28.9	11.6	21.9
28	1448	3.0			2.59	21.1		28.9	11.6	22.0
28	1448	4.0			2.57	21.0		29.0	11.6	22.0
28	1448	5.0			2.55	20.7		29.0	11.6	22.0
28	1448	6.0			2.49	20.1		29.0	11.6	22.0
28	1448	7.0			2.55	20.7		29.0	11.6	22.0
28	1448	8.0			2.58	21.1		29.0	11.6	22.0
28	1448	9.0			2.62	21.4		29.0	11.6	22.0
28	1448	10.0			2.64	21.7		29.0	11.6	22.0
28	1448	11.0			2.64	21.7		29.0	11.6	22.0
28	1448	12.0			2.69	22.1		29.0	11.6	22.0

LOCATION: South San Francisco Bay  
 DATE: MARCH 1, 1989  
 JULIAN DAY: 89060

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
27	1433	1.0	17.2	0.71	2.50	20.2	1.7	29.0	11.8	22.0
27	1433	2.0			2.50	20.2		29.1	11.7	22.0
27	1433	3.0			2.49	20.1		29.1	11.6	22.1
27	1433	4.0			2.46	19.9		29.1	11.6	22.1
27	1433	5.0			2.42	19.4		29.1	11.6	22.1
27	1433	6.0			2.40	19.2		29.1	11.6	22.1
27	1433	7.0			2.46	19.8		29.1	11.5	22.1
27	1433	8.0			2.47	19.9		29.1	11.5	22.1
27	1433	9.0			2.53	20.6		29.1	11.6	22.1
27	1433	10.0			2.54	20.6		29.1	11.6	22.1
27	1433	11.0	18.9	0.72	2.49	20.2		29.1	11.6	22.1
27	1433	12.0			2.48	20.0		29.1	11.6	22.1
26	1418	1.0	18.4	0.73	3.00	25.3	1.8	29.2	11.7	22.1
26	1418	2.0			3.00	25.3		29.2	11.7	22.1
26	1418	3.0			3.03	25.7		29.2	11.7	22.1
26	1418	4.0			2.98	25.1		29.3	11.6	22.2
26	1418	5.0			2.90	24.3		29.3	11.5	22.3
26	1418	6.0			2.88	24.1		29.4	11.5	22.3
26	1418	7.0			2.86	23.9		29.4	11.5	22.3
26	1418	8.0			2.87	24.0		29.4	11.5	22.4
25	1400	1.0	11.9	0.74	1.99	15.0	1.8	29.5	11.5	22.4
25	1400	2.0			1.99	15.0		29.5	11.4	22.4
25	1400	3.0			2.08	15.9		29.5	11.4	22.4
25	1400	4.0			2.02	15.3		29.5	11.4	22.4
25	1400	5.0			2.00	15.1		29.5	11.4	22.4
25	1400	6.0			1.97	14.8		29.5	11.4	22.4
25	1400	7.0			1.99	15.1		29.5	11.4	22.4
24	1340	1.0	4.8	0.69	0.95	4.4	1.2	29.7	11.0	22.6
24	1340	2.0			0.95	4.4		29.7	11.0	22.6
24	1340	3.0			0.96	4.5		29.7	11.0	22.7
24	1340	4.0			0.95	4.3		29.7	10.9	22.7
24	1340	5.0			0.95	4.4		29.7	10.9	22.7
24	1340	6.0			0.93	4.1		29.7	10.9	22.7
24	1340	7.0			0.92	4.0		29.7	10.9	22.7
24	1340	8.0			0.92	4.1		29.7	10.9	22.7
24	1340	9.0			0.91	4.0		29.7	10.9	22.7
24	1340	9.0	6.3	0.49	0.91	4.0		29.7	10.9	22.7
23	1324	1.0			0.79	2.8		29.6	11.0	22.5
23	1324	2.0			0.79	2.8	1.2	29.5	11.0	22.5
23	1324	3.0			0.78	2.6		29.6	10.9	22.5
23	1324	4.0			0.78	2.7		29.6	10.9	22.5
23	1324	5.0			0.80	2.8		29.5	10.9	22.5
23	1324	6.0			0.80	2.8		29.6	10.9	22.5
23	1324	7.0			0.82	3.1		29.6	10.9	22.6
23	1324	8.0			0.79	2.8		29.6	10.9	22.6
23	1324	9.0			0.81	2.9		29.6	10.9	22.6
23	1324	10.0			0.81	3.0		29.6	10.9	22.6
23	1324	11.0			0.80	2.8		29.6	10.9	22.6
23	1324	12.0			0.81	2.9		29.6	10.9	22.6
23	1324	13.0			0.80	2.9		29.6	10.9	22.6
22	1304	1.0			0.70	1.8	1.0	29.8	10.8	22.8
22	1304	2.0			0.70	1.8		29.8	10.8	22.8
22	1304	3.0			0.72	2.0		29.8	10.8	22.8
22	1304	4.0			0.70	1.8		29.8	10.8	22.8
22	1304	5.0			0.71	1.9		29.8	10.8	22.8
22	1304	6.0			0.70	1.8		29.9	10.8	22.8
22	1304	7.0			0.68	1.7		29.9	10.8	22.8
22	1304	8.0			0.68	1.6		29.9	10.8	22.8
22	1304	9.0			0.66	1.4		29.9	10.8	22.8
22	1304	10.0			0.65	1.4		29.9	10.8	22.8

LOCATION: South San Francisco Bay  
 DATE: MARCH 1, 1989  
 JULIAN DAY: 89060

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22	1304	11.0			0.61	0.9		29.9	10.8	22.8
22	1304	12.0			0.61	0.9		29.9	10.8	22.8
22	1304	13.0			0.59	0.7		29.9	10.8	22.8
22	1304	14.0			0.67	1.5		29.9	10.8	22.8
22	1304	15.0			0.61	0.9		29.9	10.8	22.8
21	1246	1.0	10.3	0.82	1.08	5.7	1.5	29.5	11.3	22.5
21	1246	2.0			1.08	5.7		29.6	11.1	22.6
21	1246	3.0			1.10	5.9		29.6	11.1	22.6
21	1246	4.0			1.10	5.9		29.6	11.1	22.6
21	1246	5.0			1.04	5.3		29.6	11.0	22.6
21	1246	6.0			1.04	5.3		29.6	11.0	22.6
21	1246	7.0			1.00	4.8		29.7	11.0	22.6
21	1246	8.0			0.97	4.6		29.7	10.9	22.7
21	1246	9.0			0.93	4.2		29.7	10.9	22.7
21	1246	10.0			0.90	3.9		29.7	10.9	22.7
21	1246	11.0			0.85	3.4		29.7	10.9	22.7
21	1246	12.0			0.86	3.5		29.8	10.9	22.7
21	1246	13.0			0.84	3.3		29.8	10.9	22.7
21	1246	14.0	5.8	0.66	0.85	3.3		29.8	10.8	22.8

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  12      0.94      -5.3      10.23      5.8

LOCATION: South San Francisco Bay  
DATE: March 3, 1989  
JULIAN DAY: 89062

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32	1346	1.0	47.4	0.77	5.60	46.6	3.7	27.4	11.5	20.8
32	1346	2.0			5.60	46.6		27.4	11.5	20.8
32	1346	3.0			5.56	46.1		27.5	11.5	20.8
32	1346	4.0			5.72	47.7		27.5	11.4	20.9
32	1346	5.0			5.75	47.9		27.6	11.4	20.9
32	1346	6.0			5.89	49.1		27.6	11.3	21.0
32	1346	7.0	50.4	0.73	5.85	48.8		27.6	11.3	21.0
31	1332	1.0			4.97	40.9	3.2	27.8	11.4	21.1
31	1332	2.0			4.97	40.9		27.9	11.3	21.2
31	1332	3.0			4.97	40.9		27.9	11.3	21.2
31	1332	4.0			5.14	42.4		27.9	11.3	21.2
31	1332	5.0			5.28	43.7		28.0	11.2	21.3
31	1332	6.0			5.37	44.5		27.9	11.3	21.2
31	1332	7.0			5.37	44.4		27.9	11.3	21.2
31	1332	8.0			5.44	45.1		27.9	11.3	21.2
31	1332	9.0			5.47	45.3		27.9	11.3	21.2
31	1332	10.0			5.56	46.2		28.2	11.1	21.4
30	1307	1.0	32.3	0.75	4.10	33.0	3.0	28.1	11.3	21.4
30	1307	2.0			4.10	33.0		28.1	11.3	21.4
30	1307	3.0			4.10	33.0		28.1	11.3	21.4
30	1307	4.0			4.13	33.3		28.2	11.2	21.4
30	1307	5.0			4.21	34.0		28.2	11.2	21.4
30	1307	6.0			4.22	34.1		28.2	11.2	21.5
30	1307	7.0			4.25	34.4		28.2	11.2	21.5
30	1307	8.0			4.33	35.1		28.2	11.1	21.5
30	1307	9.0			4.41	35.8		28.3	11.1	21.5
30	1307	10.0			4.43	36.0		28.3	11.1	21.5
30	1307	11.0			4.52	36.8		28.3	11.1	21.5
30	1307	12.0			4.58	37.3		28.3	11.1	21.5
30	1307	13.0	38.7	0.63	4.64	37.8		28.3	11.1	21.5
29	1236	1.0			3.08	23.8	2.0	28.6	11.6	21.7
29	1236	2.0			3.08	23.8		28.7	11.3	21.8
29	1236	3.0			3.01	23.2		28.9	11.2	22.0
29	1236	4.0			2.94	22.5		28.9	11.2	22.0
29	1236	5.0			2.95	22.6		28.9	11.2	22.0
29	1236	6.0			2.93	22.4		28.9	11.2	22.0
29	1236	7.0			2.87	21.9		28.9	11.2	22.0
29	1236	8.0			2.92	22.3		28.9	11.2	22.0
29	1236	9.0			2.96	22.7		28.9	11.2	22.0
29	1236	10.0			2.99	23.0		28.9	11.2	22.0
29	1236	11.0			3.04	23.5		29.0	11.2	22.0
29	1236	12.0			3.07	23.7		29.0	11.2	22.0
29	1236	13.0			3.14	24.4		29.0	11.2	22.1
28	1217	1.0			2.31	16.9	2.1	29.0	11.4	22.1
28	1217	2.0			2.31	16.9		29.1	11.4	22.1
28	1217	3.0			2.34	17.1		29.1	11.3	22.1
28	1217	4.0			2.38	17.5		29.1	11.3	22.2
28	1217	5.0			2.44	18.0		29.1	11.2	22.2
28	1217	6.0			2.50	18.6		29.1	11.2	22.2
28	1217	7.0			2.54	18.9		29.2	11.2	22.2
28	1217	8.0			2.57	19.2		29.2	11.1	22.2
28	1217	9.0			2.60	19.5		29.2	11.1	22.3
28	1217	10.0			2.70	20.4		29.3	11.0	22.3
28	1217	11.0			2.70	20.3		29.3	11.0	22.3
28	1217	12.0			2.72	20.6		29.2	11.0	22.3
28	1217	13.0			2.84	21.7		29.2	11.0	22.3
27	1159	1.0	14.8	0.75	2.36	17.3	2.1	29.3	11.1	22.3
27	1159	2.0			2.36	17.3		29.3	11.1	22.3
27	1159	3.0			2.36	17.3		29.3	11.1	22.3
27	1159	4.0			2.32	17.0		29.3	11.1	22.3

LOCATION: South San Francisco Bay  
 DATE: March 3, 1989  
 JULIAN DAY: 89062

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
27	1159	5.0			2.30	16.8				
27	1159	6.0			2.37	17.4		29.4	10.9	22.4
27	1159	7.0			2.41	17.7		29.4	10.8	22.4
27	1159	8.0			2.42	17.8		29.4	10.8	22.5
27	1159	9.0			2.41	17.7		29.4	10.7	22.5
27	1159	10.0	15.5	0.74	2.44	18.0		29.4	10.7	22.5
26	1136	1.0	16.3	0.69	2.56	19.1	2.9	29.3	11.2	22.3
26	1136	2.0			2.56	19.1		29.3	11.2	22.3
26	1136	3.0			2.60	19.5		29.3	11.2	22.3
26	1136	4.0			2.67	20.1		29.3	11.2	22.3
26	1136	5.0			2.73	20.6		29.3	11.1	22.3
26	1136	6.0			2.73	20.7		29.3	11.1	22.3
26	1136	7.0			2.78	21.1		29.3	11.1	22.3
26	1136	8.0			2.80	21.3		29.3	11.1	22.3
26	1136	9.0			2.86	21.8		29.3	11.1	22.3
25	1115	1.0			1.21	6.9	1.9	29.6	10.8	22.6
25	1115	2.0			1.21	6.9		29.6	10.7	22.6
25	1115	3.0			1.23	7.1		29.6	10.7	22.6
25	1115	4.0			1.23	7.1		29.6	10.7	22.6
25	1115	5.0			1.24	7.2		29.6	10.7	22.6
25	1115	6.0			1.23	7.1		29.6	10.7	22.6
25	1115	7.0			1.24	7.2		29.6	10.7	22.6
24	1055	1.0	5.5	0.67	0.98	4.8	1.6	29.9	10.6	22.8
24	1055	2.0			0.98	4.8		29.9	10.6	22.8
24	1055	3.0			1.02	5.2		29.9	10.6	22.8
24	1055	4.0			1.00	5.0		29.9	10.6	22.8
24	1055	5.0			1.07	5.6		29.9	10.6	22.8
24	1055	6.0			1.03	5.3		29.9	10.6	22.8
24	1055	7.0			1.06	5.6		29.9	10.6	22.8
24	1055	8.0			1.11	6.0		29.9	10.6	22.8
24	1055	9.0	6.4	0.62	1.07	5.7		29.9	10.6	22.8
23	1036	1.0			0.67	2.1	1.4	30.0	10.7	22.9
23	1036	2.0			0.67	2.1		30.0	10.7	22.9
23	1036	3.0			0.71	2.5		30.0	10.7	22.9
23	1036	4.0			0.70	2.3		30.0	10.7	22.9
23	1036	5.0			0.70	2.3		30.0	10.7	22.9
23	1036	6.0			0.70	2.3		30.0	10.7	22.9
23	1036	7.0			0.68	2.2		30.0	10.7	22.9
23	1036	8.0			0.72	2.5		30.0	10.7	23.0
23	1036	9.0			0.72	2.5		30.0	10.7	23.0
23	1036	10.0			0.72	2.5		30.0	10.7	23.0
23	1036	11.0			0.75	2.8		30.0	10.7	23.0
23	1036	12.0			0.72	2.5		30.0	10.7	23.0
23	1036	13.0			0.75	2.8		30.0	10.7	23.0
22	1010	1.0			0.72	2.5	1.3	30.1	10.7	23.0
22	1010	2.0			0.72	2.5		30.1	10.7	23.0
22	1010	3.0			0.73	2.6		30.2	10.7	23.1
22	1010	4.0			0.74	2.6		30.2	10.6	23.1
22	1010	5.0			0.72	2.5		30.2	10.6	23.1
22	1010	6.0			0.71	2.4		30.2	10.6	23.1
22	1010	7.0			0.69	2.2		30.2	10.6	23.1
22	1010	8.0			0.71	2.4		30.3	10.6	23.2
22	1010	9.0			0.71	2.4		30.3	10.6	23.2
22	1010	10.0			0.69	2.2		30.3	10.6	23.2
22	1010	11.0			0.70	2.3		30.3	10.6	23.2
22	1010	12.0			0.66	2.0		30.4	10.6	23.2
22	1010	13.0			0.67	2.1		30.4	10.6	23.3
22	1010	14.0			0.66	2.0		30.4	10.5	23.3
22	1010	15.0			0.66	1.9		30.4	10.5	23.3
21	948	1.0	4.8	0.76	0.71	2.4	1.1	30.3	10.8	23.1

LOCATION: South San Francisco Bay  
 DATE: March 3, 1989  
 JULIAN DAY: 89062

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
21	948	2.0			0.71	2.4		30.4	10.7	23.3
21	948	3.0			0.72	2.5		30.6	10.6	23.4
21	948	4.0			0.68	2.2		30.8	10.6	23.6
21	948	5.0			0.68	2.1		30.8	10.6	23.6
21	948	6.0			0.64	1.8		30.9	10.5	23.7
21	948	7.0			0.65	1.9		31.0	10.5	23.8
21	948	8.0			0.62	1.6		31.1	10.5	23.8
21	948	9.0			0.62	1.6		31.1	10.5	23.8
21	948	10.0			0.62	1.6		31.1	10.5	23.8
21	948	11.0			0.61	1.5		31.1	10.5	23.8
21	948	12.0			0.60	1.5		31.1	10.5	23.8
21	948	13.0			0.61	1.5		31.1	10.5	23.8
21	948	14.0			0.61	1.5		31.1	10.5	23.8
21	948	15.0			0.61	1.5		31.1	10.5	23.8
21	948	16.0			0.61	1.5		31.1	10.5	23.9
21	948	17.0			0.62	1.6		31.1	10.5	23.9
21	948	18.0			0.61	1.5		31.1	10.5	23.9
21	948	19.0	3.1	0.41	0.62	1.6		31.1	10.5	23.9

Fluorometer Calibration:      n      r^2      A      B      Syx  
                                  11      0.99      -4.0      9.03      1.9

LOCATION: South San Francisco Bay  
 DATE: March 7, 1989  
 JULIAN DAY: 89066

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32	751	1.0	30.3	0.80	3.99	35.4	2.7	27.8	11.9	21.0
32	751	2.0			3.99	35.4		27.9	11.8	21.1
32	751	3.0			3.90	34.6		27.9	11.8	21.2
32	751	4.0			3.93	34.8		28.0	11.8	21.2
32	751	5.0			3.99	35.4		28.0	11.8	21.2
32	751	6.0			4.08	36.3		28.1	11.8	21.3
32	751	7.0	37.4	0.66	4.13	36.8		28.1	11.8	21.3
32	751	8.0			4.26	38.0		28.1	11.8	21.3
31	813	1.0			3.02	26.0		28.1	11.7	21.3
31	813	2.0			3.02	26.0		28.2	11.7	21.3
31	813	3.0			3.00	25.8		28.2	11.7	21.4
31	813	4.0			2.99	25.7		28.3	11.7	21.4
31	813	5.0			3.03	26.1		28.3	11.7	21.5
31	813	6.0			3.06	26.4		28.3	11.7	21.5
31	813	7.0			3.10	26.7		28.3	11.7	21.5
31	813	8.0			3.12	26.9		28.3	11.7	21.5
31	813	9.0			3.23	28.0		28.3	11.7	21.5
31	813	10.0			3.21	27.9		28.4	11.6	21.5
31	813	11.0			3.27	28.5		28.4	11.6	21.5
31	813	12.0			3.41	29.8		28.4	11.6	21.6
31	813	13.0			3.59	31.6		28.5	11.6	21.6
30	837	1.0	16.0	0.73	2.09	17.0	2.5	28.7	11.5	21.8
30	837	2.0			2.09	17.0		28.7	11.5	21.8
30	837	3.0			2.06	16.7		28.8	11.5	21.9
30	837	4.0			2.04	16.4		28.8	11.4	21.9
30	837	5.0			2.06	16.7		28.8	11.4	21.9
30	837	6.0			2.13	17.3		28.9	11.4	21.9
30	837	7.0			2.23	18.3		28.9	11.4	21.9
30	837	8.0			2.35	19.5		28.9	11.4	21.9
30	837	9.0			2.51	21.0		28.9	11.4	22.0
30	837	10.0			2.76	23.5		28.9	11.4	21.9
30	837	11.0			3.14	27.1		28.9	11.4	21.9
30	837	12.0			3.48	30.4		28.9	11.4	21.9
29	912	1.0			1.79	14.0	6.3	29.1	11.3	22.1
29	912	2.0			1.79	14.0		29.1	11.3	22.1
29	912	3.0			1.81	14.2		29.1	11.3	22.1
29	912	4.0			1.85	14.5		29.1	11.3	22.1
29	912	5.0			1.89	15.0		29.1	11.3	22.1
29	912	6.0			1.95	15.6		29.1	11.3	22.1
29	912	7.0			1.97	15.7		29.1	11.3	22.1
29	912	8.0			2.00	16.1		29.1	11.3	22.1
29	912	9.0			2.01	16.2		29.1	11.3	22.1
29	912	10.0			2.06	16.6		29.1	11.3	22.1
29	912	11.0			2.05	16.5		29.1	11.3	22.1
29	912	12.0			2.13	17.3		29.1	11.3	22.1
29	912	13.0			2.06	16.6		29.1	11.3	22.1
28	933	1.0			1.34	9.6	3.4	29.3	11.2	22.3
28	933	2.0			1.34	9.6		29.3	11.2	22.3
28	933	3.0			1.35	9.8		29.3	11.2	22.3
28	933	4.0			1.36	9.8		29.3	11.2	22.3
28	933	5.0			1.36	9.8		29.3	11.2	22.3
28	933	6.0			1.36	9.8		29.3	11.2	22.3
28	933	7.0			1.36	9.8		29.3	11.2	22.3
28	933	8.0			1.39	10.1		29.3	11.2	22.3
28	933	9.0			1.37	9.9		29.3	11.2	22.3
28	933	10.0			1.37	9.9		29.3	11.2	22.3
28	933	11.0			1.37	9.9		29.3	11.2	22.3
28	933	12.0			1.35	9.7		29.3	11.2	22.3
28	933	13.0			1.41	10.3		29.3	11.2	22.3
28	933	14.0			1.46	10.8		29.3	11.2	22.3
27	951	1.0	6.1	0.44	1.19	8.2	3.9	29.3	11.0	22.4



LOCATION: South San Francisco Bay  
 DATE: March 16, 1989  
 JULIAN DAY: 89075

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
31	1031	11.0			0.70	3.6		28.6	13.2	21.4
31	1031	12.0			0.73	3.9		28.6	13.2	21.4
31	1031	13.0			0.75	4.0		28.6	13.2	21.4
31	1031	14.0			0.77	4.1		28.6	13.2	21.4
30	1048	1.0	3.7	0.74	0.65	3.2	1.0	28.6	13.3	21.4
30	1048	2.0			0.65	3.2		28.6	13.2	21.4
30	1048	3.0			0.66	3.3		28.6	13.2	21.4
30	1048	4.0			0.66	3.4		28.6	13.2	21.4
30	1048	5.0			0.66	3.4		28.6	13.2	21.4
30	1048	6.0			0.66	3.3		28.6	13.2	21.4
30	1048	7.0			0.65	3.3		28.7	13.2	21.5
30	1048	8.0			0.66	3.3		28.7	13.2	21.5
30	1048	9.0			0.67	3.4		28.7	13.2	21.5
30	1048	10.0			0.67	3.4		28.7	13.2	21.5
30	1048	11.0			0.68	3.5		28.7	13.2	21.5
30	1048	12.0			0.72	3.8		28.7	13.2	21.5
30	1048	13.0			0.74	3.9		28.7	13.2	21.5
30	1048	14.0	4.7	0.36	0.77	4.2		28.7	13.2	21.5
29	1113	1.0			0.75	4.0	1.5	28.8	13.4	21.5
29	1113	2.0			0.75	4.0		28.8	13.4	21.5
29	1113	3.0			0.77	4.1		28.9	13.4	21.6
29	1113	4.0			0.78	4.2		28.9	13.4	21.6
29	1113	5.0			0.79	4.3		28.9	13.4	21.6
29	1113	6.0			0.81	4.4		28.9	13.4	21.6
29	1113	7.0			0.81	4.5		28.9	13.4	21.6
29	1113	8.0			0.82	4.5		28.9	13.4	21.6
29	1113	9.0			0.84	4.7		29.0	13.4	21.7
29	1113	10.0			0.85	4.7		29.0	13.3	21.7
29	1113	11.0			0.87	4.8		29.0	13.3	21.7
29	1113	12.0			0.86	4.8		29.0	13.3	21.7
29	1113	13.0			0.87	4.9		29.0	13.3	21.7
29	1113	14.0			0.88	4.9		29.0	13.3	21.7
28	1127	1.0			0.83	4.6	1.9	29.0	13.3	21.7
28	1127	2.0			0.83	4.6		29.0	13.3	21.7
28	1127	3.0			0.83	4.6		29.0	13.3	21.7
28	1127	4.0			0.84	4.7		29.0	13.3	21.7
28	1127	5.0			0.84	4.7		29.0	13.2	21.7
28	1127	6.0			0.86	4.8		29.0	13.2	21.7
28	1127	7.0			0.88	4.9		29.0	13.2	21.7
28	1127	8.0			0.89	5.0		29.0	13.2	21.7
28	1127	9.0			0.91	5.1		29.0	13.2	21.7
28	1127	10.0			0.91	5.2		29.0	13.2	21.7
28	1127	11.0			0.91	5.1		29.0	13.2	21.7
28	1127	12.0			0.92	5.2		29.0	13.2	21.7
28	1127	13.0			0.92	5.2		29.0	13.2	21.7
28	1127	14.0			0.93	5.3		29.0	13.2	21.7
27	1141	1.0	4.7	0.72	0.82	4.5	1.7	28.9	13.2	21.7
27	1141	2.0			0.82	4.5		28.9	13.2	21.7
27	1141	3.0			0.83	4.6		29.0	13.1	21.7
27	1141	4.0			0.83	4.6		29.0	13.1	21.7
27	1141	5.0			0.83	4.6		29.0	13.1	21.7
27	1141	6.0			0.84	4.6		29.0	13.1	21.7
27	1141	7.0			0.84	4.7		29.0	13.1	21.7
27	1141	8.0			0.85	4.7		28.9	13.2	21.7
27	1141	9.0			0.85	4.8		28.9	13.2	21.7
27	1141	10.0			0.85	4.7		29.0	13.1	21.7
27	1141	11.0	4.2	0.42	0.87	4.9		29.0	13.1	21.7
26	1154	1.0			0.73	3.8	2.0	28.9	13.0	21.6
26	1154	2.0			0.73	3.8		28.8	13.0	21.6
26	1154	3.0			0.74	3.9		28.9	13.0	21.6

LOCATION: South San Francisco Bay  
 DATE: March 16, 1989  
 JULIAN DAY: 89075

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
36	911	1.0	7.1	0.66	1.11	6.6	1.0	26.7	13.7	19.8
36	911	2.0			1.11	6.6		27.0	13.7	20.1
36	911	3.0			1.11	6.6		27.2	13.7	20.2
36	911	4.0			1.15	6.9		27.3	13.7	20.3
36	911	5.0			1.19	7.2		27.5	13.7	20.5
36	911	6.0	7.0	0.57	1.14	6.8		27.6	13.7	20.6
36	911	7.0			1.16	6.9		27.7	13.7	20.6
36	911	8.0			1.15	6.9		27.7	13.7	20.6
35	928	1.0			1.16	7.0	1.1	27.0	13.6	20.1
35	928	2.0			1.16	7.0		27.1	13.6	20.2
35	928	3.0			1.17	7.0		27.2	13.6	20.3
35	928	4.0			1.14	6.8		27.4	13.6	20.4
35	928	5.0			1.09	6.5		27.6	13.6	20.5
35	928	6.0			1.06	6.3		27.7	13.6	20.6
35	928	7.0			0.96	5.5		27.9	13.5	20.8
35	928	8.0			0.91	5.1		28.0	13.5	20.9
35	928	9.0			0.87	4.9		28.1	13.5	20.9
35	928	10.0			0.85	4.7		28.1	13.5	21.0
34	950	1.0			0.94	5.4	1.1	27.2	13.4	20.3
34	950	2.0			0.94	5.4		27.6	13.5	20.6
34	950	3.0			0.92	5.3		27.8	13.5	20.7
34	950	4.0			0.91	5.2		27.8	13.5	20.8
34	950	5.0			0.92	5.2		27.8	13.5	20.8
34	950	6.0			0.90	5.1		27.8	13.5	20.8
34	950	7.0			0.90	5.1		27.8	13.5	20.8
34	950	8.0			0.91	5.2		27.9	13.5	20.8
34	950	9.0			0.95	5.5		27.9	13.5	20.8
33	1008	1.0			0.82	4.5	1.1	27.7	13.4	20.6
33	1008	2.0			0.82	4.5		27.7	13.4	20.7
33	1008	3.0			0.83	4.6		27.8	13.4	20.8
33	1008	4.0			0.81	4.5		27.9	13.4	20.8
33	1008	5.0			0.85	4.7		27.9	13.4	20.9
33	1008	6.0			0.84	4.6		28.0	13.4	20.9
33	1008	7.0			0.82	4.5		28.0	13.4	20.9
33	1008	8.0			0.80	4.3		28.1	13.4	21.0
33	1008	9.0			0.79	4.3		28.2	13.3	21.1
33	1008	10.0			0.78	4.2		28.2	13.3	21.1
33	1008	11.0			0.79	4.3		28.2	13.3	21.1
33	1008	12.0			0.81	4.4		28.2	13.3	21.1
32	1018	1.0	4.1	0.60	0.81	4.4	1.1	27.9	13.4	20.8
32	1018	2.0			0.81	4.4		27.9	13.4	20.8
32	1018	3.0			0.82	4.5		27.9	13.4	20.9
32	1018	4.0			0.81	4.4		27.9	13.4	20.9
32	1018	5.0			0.83	4.6		27.9	13.4	20.9
32	1018	6.0			0.81	4.5		28.1	13.4	21.0
32	1018	7.0			0.85	4.7		28.2	13.4	21.1
32	1018	8.0			0.87	4.9		28.2	13.4	21.1
32	1018	9.0			0.92	5.2		28.2	13.4	21.1
32	1018	10.0			0.98	5.7		28.2	13.4	21.1
32	1018	11.0			1.03	6.1		28.2	13.4	21.1
31	1031	1.0			0.62	3.1	0.9	28.2	13.3	21.1
31	1031	2.0			0.62	3.1		28.2	13.3	21.1
31	1031	3.0			0.64	3.2		28.2	13.3	21.1
31	1031	4.0			0.64	3.2		28.2	13.3	21.1
31	1031	5.0			0.65	3.3		28.3	13.3	21.1
31	1031	6.0			0.63	3.2		28.3	13.2	21.2
31	1031	7.0			0.63	3.1		28.4	13.2	21.2
31	1031	8.0			0.64	3.2		28.5	13.2	21.3
31	1031	9.0			0.68	3.5		28.5	13.2	21.3
31	1031	10.0			0.68	3.5		28.5	13.2	21.3

LOCATION: South San Francisco Bay  
 DATE: March 10, 1989  
 JULIAN DAY: 89069

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22	1201	8.0			0.66	2.8		30.2	11.1	23.0
22	1201	9.0			0.68	3.0		30.2	11.1	23.0
22	1201	10.0			0.68	3.0		30.1	11.1	23.0
22	1201	11.0			0.66	2.9		30.1	11.1	23.0
22	1201	12.0			0.65	2.8		30.1	11.1	23.0
22	1201	13.0			0.64	2.7		30.1	11.1	23.0
22	1201	14.0			0.64	2.7		30.1	11.1	23.0
22	1201	15.0			0.63	2.6		30.1	11.1	23.0
22	1201	16.0			0.64	2.6		30.1	11.1	23.0
22	1201	17.0	3.1	0.34	0.63	2.5		30.1	11.1	23.0

Fluorometer Calibration:	n	r <sup>2</sup>	A	B	Syx
	10	1.00	-3.1	9.01	0.4

LOCATION: South San Francisco Bay  
 DATE: March 10, 1989  
 JULIAN DAY: 89069

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
27	1023	2.0			0.92	5.2		29.1	12.0	22.0
27	1023	3.0			0.93	5.3		29.1	11.9	22.0
27	1023	4.0			0.94	5.4		29.2	11.8	22.1
27	1023	5.0			0.92	5.2		29.2	11.8	22.1
27	1023	6.0			0.93	5.3		29.2	11.8	22.1
27	1023	7.0			0.95	5.4		29.2	11.8	22.1
27	1023	8.0			0.97	5.6		29.2	11.7	22.1
27	1023	9.0			1.03	6.1		29.2	11.7	22.1
27	1023	10.0			1.06	6.5		29.2	11.7	22.1
27	1023	11.0			1.10	6.8		29.2	11.7	22.1
27	1023	12.0	6.1	0.35	1.10	6.8		29.2	11.7	22.1
26	1035	1.0			0.78	4.0	1.7	29.4	11.9	22.2
26	1035	2.0			0.78	4.0		29.4	11.7	22.3
26	1035	3.0			0.80	4.1		29.4	11.6	22.3
26	1035	4.0			0.82	4.3		29.5	11.6	22.4
26	1035	5.0			0.86	4.6		29.5	11.6	22.4
26	1035	6.0			0.88	4.8		29.5	11.6	22.4
26	1035	7.0			0.91	5.1		29.4	11.6	22.3
26	1035	8.0			0.91	5.1		29.4	11.6	22.3
26	1035	9.0			0.93	5.3		29.4	11.6	22.3
25	1058	1.0			0.77	3.8	3.0	29.5	11.6	22.4
25	1058	2.0			0.77	3.8		29.5	11.6	22.4
25	1058	3.0			0.77	3.8		29.5	11.6	22.4
25	1058	4.0			0.78	3.9		29.5	11.6	22.4
25	1058	5.0			0.78	3.9		29.5	11.6	22.4
25	1058	6.0			0.79	4.0		29.5	11.6	22.4
25	1058	7.0			0.79	4.0		29.5	11.6	22.4
25	1058	8.0			0.82	4.3		29.5	11.6	22.4
25	1058	9.0			0.85	4.5		29.5	11.6	22.4
24	1116	1.0	3.6	0.45	0.77	3.8	2.6	29.5	11.7	22.4
24	1116	2.0			0.77	3.8		29.5	11.6	22.4
24	1116	3.0			0.77	3.8		29.5	11.6	22.4
24	1116	4.0			0.78	3.9		29.5	11.6	22.4
24	1116	5.0			0.77	3.9		29.5	11.6	22.4
24	1116	6.0			0.78	3.9		29.5	11.6	22.4
24	1116	7.0			0.80	4.1		29.5	11.6	22.4
24	1116	8.0			0.80	4.1		29.5	11.6	22.4
24	1116	9.0			0.82	4.3		29.5	11.6	22.4
24	1116	10.0	4.0	0.42	0.83	4.4		29.5	11.6	22.4
23	1135	1.0			0.72	3.3	2.3	29.7	11.6	22.5
23	1135	2.0			0.72	3.3		29.7	11.5	22.5
23	1135	3.0			0.72	3.4		29.7	11.5	22.5
23	1135	4.0			0.71	3.3		29.7	11.5	22.5
23	1135	5.0			0.72	3.3		29.7	11.4	22.6
23	1135	6.0			0.73	3.5		29.8	11.3	22.7
23	1135	7.0			0.73	3.4		29.8	11.3	22.7
23	1135	8.0			0.74	3.6		29.8	11.3	22.7
23	1135	9.0			0.72	3.4		29.8	11.3	22.7
23	1135	10.0			0.73	3.5		29.8	11.3	22.7
23	1135	11.0			0.72	3.4		29.8	11.3	22.6
23	1135	12.0			0.71	3.3		29.8	11.3	22.7
23	1135	13.0			0.71	3.3		29.8	11.3	22.7
23	1135	14.0			0.71	3.3		29.8	11.3	22.7
22	1201	1.0	2.6	0.37	0.62	2.5	2.6	30.1	11.1	23.0
22	1201	2.0			0.62	2.5		30.1	11.1	23.0
22	1201	3.0			0.62	2.5		30.1	11.1	23.0
22	1201	4.0			0.64	2.6		30.1	11.1	23.0
22	1201	5.0			0.64	2.7		30.1	11.1	23.0
22	1201	6.0			0.65	2.8		30.1	11.1	23.0
22	1201	7.0			0.66	2.8		30.2	11.1	23.0

LOCATION: South San Francisco Bay  
DATE: March 10, 1989  
JULIAN DAY: 89069

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32	848	1.0	23.5	0.74	2.98	23.7	2.8	27.2	12.9	20.4
32	848	2.0			2.98	23.7		27.3	12.9	20.5
32	848	3.0			2.98	23.7		27.4	12.8	20.5
32	848	4.0			2.98	23.8		27.4	12.8	20.5
32	848	5.0			3.01	24.1		27.4	12.8	20.5
32	848	6.0			3.06	24.4		27.4	12.8	20.6
32	848	7.0			3.08	24.6		27.5	12.8	20.6
32	848	8.0	23.9	0.66	2.95	23.5		27.6	12.7	20.7
31	902	1.0			2.65	20.7	2.7	27.5	12.7	20.7
31	902	2.0			2.65	20.7		27.6	12.7	20.8
31	902	3.0			2.61	20.4		27.7	12.6	20.8
31	902	4.0			2.55	19.9		27.8	12.6	20.9
31	902	5.0			2.56	20.0		27.8	12.6	20.9
31	902	6.0			2.59	20.2		27.8	12.6	20.9
31	902	7.0			2.61	20.4		27.8	12.6	20.9
31	902	8.0			2.57	20.0		27.8	12.6	20.9
31	902	9.0			2.62	20.5		27.8	12.6	20.9
31	902	10.0			2.61	20.4		27.9	12.6	21.0
31	902	11.0			2.59	20.2		27.9	12.5	21.0
31	902	12.0			2.56	20.0		27.9	12.5	21.0
30	922	1.0	15.1	0.71	2.01	15.0	2.4	28.1	12.5	21.1
30	922	2.0			2.01	15.0		28.2	12.4	21.3
30	922	3.0			1.95	14.4		28.3	12.3	21.4
30	922	4.0			1.90	14.0		28.4	12.3	21.4
30	922	5.0			1.93	14.3		28.4	12.3	21.4
30	922	6.0			1.94	14.3		28.4	12.3	21.4
30	922	7.0			1.94	14.4		28.4	12.3	21.5
30	922	8.0			1.97	14.6		28.4	12.3	21.4
30	922	9.0			1.98	14.7		28.4	12.3	21.4
30	922	10.0			1.97	14.6		28.4	12.3	21.4
30	922	11.0			1.99	14.9		28.4	12.3	21.4
30	922	12.0	14.5	0.65	1.98	14.7		28.4	12.3	21.4
29	948	1.0			1.41	9.6	2.3	28.7	12.2	21.6
29	948	2.0			1.41	9.6		28.7	12.1	21.7
29	948	3.0			1.40	9.5		28.8	12.0	21.8
29	948	4.0			1.41	9.6		28.9	12.0	21.8
29	948	5.0			1.41	9.6		28.9	11.9	21.9
29	948	6.0			1.44	9.8		28.9	11.9	21.9
29	948	7.0			1.43	9.8		28.9	11.9	21.9
29	948	8.0			1.44	9.8		28.9	11.9	21.9
29	948	9.0			1.43	9.8		28.9	11.9	21.9
29	948	10.0			1.43	9.8		28.9	11.9	21.9
29	948	11.0			1.41	9.6		28.9	11.9	21.9
29	948	12.0			1.42	9.7		28.9	11.9	21.9
29	948	13.0			1.45	10.0		28.9	11.9	21.9
28	1003	1.0			1.20	7.7	2.3	28.9	12.0	21.9
28	1003	2.0			1.20	7.7		29.0	11.9	21.9
28	1003	3.0			1.17	7.5		29.0	11.9	21.9
28	1003	4.0			1.14	7.2		29.0	11.9	22.0
28	1003	5.0			1.15	7.2		29.0	11.9	22.0
28	1003	6.0			1.17	7.4		29.0	11.9	22.0
28	1003	7.0			1.16	7.3		29.0	11.9	22.0
28	1003	8.0			1.14	7.2		29.0	11.9	22.0
28	1003	9.0			1.16	7.3		29.0	11.8	22.0
28	1003	10.0			1.13	7.1		29.0	11.8	22.0
28	1003	11.0			1.12	7.0		29.0	11.8	22.0
28	1003	12.0			1.13	7.0		29.0	11.8	22.0
28	1003	13.0			1.10	6.8		29.1	11.8	22.0
28	1003	14.0			1.13	7.1		29.1	11.8	22.1
27	1023	1.0	5.6	0.65	0.92	5.2	1.9	29.0	12.1	21.9

LOCATION: South San Francisco Bay  
 DATE: March 7, 1989  
 JULIAN DAY: 89066

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22	1140	8.0			0.64	2.8		31.2	10.6	23.9
22	1140	9.0			0.65	2.9		31.2	10.6	23.9
22	1140	10.0			0.64	2.8		31.2	10.6	23.9
22	1140	11.0			0.64	2.8		31.2	10.6	23.9
22	1140	12.0			0.63	2.7		31.3	10.6	23.9
22	1140	13.0			0.64	2.8		31.3	10.6	24.0
22	1140	14.0			0.63	2.7		31.3	10.6	24.0
22	1140	15.0			0.63	2.7		31.3	10.6	24.0
22	1140	16.0			0.63	2.7		31.3	10.6	24.0
22	1140	17.0	3.2	0.45	0.65	2.9		31.3	10.6	24.0

Fluorometer Calibration:      n      r^2      A      B      Syx

                                 10      0.95      -3.4      9.74      3.5

LOCATION: South San Francisco Bay  
 DATE: March 7, 1989  
 JULIAN DAY: 89066

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
27	951	2.0			1.19	8.2		29.3	11.0	22.4
27	951	3.0			1.17	8.0		29.3	11.0	22.4
27	951	4.0			1.18	8.0		29.3	11.0	22.4
27	951	5.0			1.14	7.7		29.3	11.0	22.4
27	951	6.0			1.17	8.0		29.3	11.0	22.4
27	951	7.0			1.15	7.8		29.3	11.0	22.4
27	951	8.0			1.16	7.9		29.3	11.0	22.4
27	951	9.0			1.16	7.9		29.3	11.0	22.4
27	951	10.0			1.17	8.0		29.3	11.0	22.4
27	951	11.0	6.8	0.42	1.19	8.1		29.3	11.0	22.4
26	1009	1.0			0.85	4.9	2.6	29.6	10.9	22.6
26	1009	2.0			0.85	4.9		29.6	10.9	22.6
26	1009	3.0			0.86	4.9		29.6	10.9	22.6
26	1009	4.0			0.86	4.9		29.6	10.9	22.6
26	1009	5.0			0.87	5.1		29.6	10.9	22.6
26	1009	6.0			0.88	5.2		29.6	10.9	22.6
26	1009	7.0			0.90	5.3		29.6	10.9	22.6
26	1009	8.0			0.89	5.2		29.6	10.9	22.6
26	1009	9.0			0.92	5.5		29.6	10.9	22.6
26	1009	10.0			0.89	5.3		29.6	10.9	22.6
25	1031	1.0			0.77	4.1	3.5	29.8	10.9	22.7
25	1031	2.0			0.77	4.1		29.8	10.9	22.7
25	1031	3.0			0.77	4.1		29.8	10.9	22.7
25	1031	4.0			0.79	4.2		29.8	10.9	22.7
25	1031	5.0			0.82	4.6		29.7	10.9	22.7
25	1031	6.0			0.82	4.5		29.7	10.9	22.7
25	1031	7.0			0.84	4.7		29.7	10.9	22.7
25	1031	8.0			0.83	4.6		29.7	10.9	22.7
25	1031	9.0			0.84	4.7		29.7	10.9	22.7
24	1051	1.0	3.4	0.48	0.69	3.3	2.0	29.8	10.8	22.8
24	1051	2.0			0.69	3.3		29.8	10.8	22.8
24	1051	3.0			0.71	3.4		29.9	10.7	22.8
24	1051	4.0			0.71	3.5		29.9	10.7	22.8
24	1051	5.0			0.71	3.5		29.9	10.7	22.9
24	1051	6.0			0.75	3.9		29.9	10.7	22.9
24	1051	7.0			0.73	3.7		29.9	10.7	22.9
24	1051	8.0			0.77	4.0		29.9	10.7	22.9
24	1051	9.0			0.77	4.0		29.9	10.7	22.9
24	1051	10.0	4.8	0.33	0.78	4.1		29.9	10.7	22.9
23	1111	1.0			0.63	2.7	1.6	30.4	10.8	23.3
23	1111	2.0			0.63	2.7		30.4	10.7	23.3
23	1111	3.0			0.63	2.7		30.5	10.7	23.3
23	1111	4.0			0.64	2.8		30.5	10.7	23.3
23	1111	5.0			0.65	2.9		30.5	10.7	23.3
23	1111	6.0			0.64	2.8		30.5	10.7	23.3
23	1111	7.0			0.66	3.0		30.5	10.7	23.3
23	1111	8.0			0.68	3.2		30.5	10.7	23.3
23	1111	9.0			0.68	3.2		30.5	10.7	23.3
23	1111	10.0			0.71	3.5		30.5	10.7	23.3
23	1111	11.0			0.70	3.4		30.5	10.7	23.3
23	1111	12.0			0.69	3.3		30.5	10.7	23.3
23	1111	13.0			0.68	3.2		30.5	10.7	23.3
23	1111	14.0			0.67	3.1		30.5	10.7	23.3
22	1140	1.0	3.0	0.47	0.55	2.0	1.5	30.9	10.7	23.6
22	1140	2.0			0.55	2.0		31.0	10.7	23.7
22	1140	3.0			0.58	2.2		31.0	10.6	23.8
22	1140	4.0			0.64	2.8		31.0	10.6	23.8
22	1140	5.0			0.61	2.6		31.1	10.6	23.8
22	1140	6.0			0.64	2.8		31.1	10.6	23.8
22	1140	7.0			0.65	2.9		31.2	10.6	23.9

LOCATION: South San Francisco Bay  
 DATE: March 16, 1989  
 JULIAN DAY: 89075

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
26	1154	4.0			0.75	4.0				
26	1154	5.0			0.76	4.1		28.9	13.0	21.7
26	1154	6.0			0.79	4.3		28.9	13.0	21.7
26	1154	7.0			0.81	4.5		28.9	13.0	21.7
26	1154	8.0			0.82	4.5		28.9	13.0	21.7
26	1154	9.0			0.84	4.7		28.9	13.0	21.7
26	1154	10.0			0.86	4.8		28.9	13.0	21.7
25	1210	1.0			0.72	3.8	2.1	28.6	12.9	21.4
25	1210	2.0			0.72	3.8		28.6	12.9	21.4
25	1210	3.0			0.73	3.9		28.6	12.9	21.4
25	1210	4.0			0.74	3.9		28.6	12.9	21.4
25	1210	5.0			0.76	4.1		28.6	12.9	21.5
25	1210	6.0			0.78	4.2		28.6	12.9	21.5
25	1210	7.0			0.79	4.3		28.6	12.9	21.5
25	1210	8.0			0.80	4.4		28.6	12.9	21.5
24	1226	1.0	2.7	0.49	0.67	3.4	2.1	28.3	12.7	21.3
24	1226	2.0			0.67	3.4		28.3	12.7	21.3
24	1226	3.0			0.68	3.5		28.3	12.7	21.3
24	1226	4.0			0.68	3.5		28.3	12.7	21.3
24	1226	5.0			0.68	3.5		28.3	12.7	21.3
24	1226	6.0			0.71	3.7		28.3	12.7	21.3
24	1226	7.0			0.72	3.8		28.3	12.7	21.3
24	1226	8.0			0.73	3.8		28.3	12.7	21.3
24	1226	9.0			0.74	3.9		28.3	12.7	21.3
24	1226	10.0	2.9	0.42	0.72	3.8		28.3	12.7	21.3
23	1240	1.0			0.69	3.5	1.7	27.8	12.7	20.9
23	1240	2.0			0.69	3.5		27.8	12.6	20.9
23	1240	3.0			0.71	3.7		27.8	12.6	20.9
23	1240	4.0			0.70	3.6		27.8	12.6	20.9
23	1240	5.0			0.72	3.8		27.9	12.6	20.9
23	1240	6.0			0.74	3.9		27.9	12.6	20.9
23	1240	7.0			0.75	4.0		27.9	12.6	20.9
23	1240	8.0			0.77	4.1		27.8	12.6	20.9
23	1240	9.0			0.79	4.3		27.8	12.6	20.9
23	1240	10.0			0.78	4.2		27.8	12.6	20.9
23	1240	11.0			0.77	4.1		27.8	12.6	20.9
23	1240	12.0			0.77	4.1		27.9	12.6	20.9
23	1240	13.0			0.77	4.1		27.9	12.6	20.9
23	1240	14.0			0.77	4.2		27.9	12.6	20.9
22	1258	1.0			0.68	3.5	2.1	27.7	12.6	20.8
22	1258	2.0			0.68	3.5		27.7	12.6	20.9
22	1258	3.0			0.69	3.6		27.7	12.6	20.9
22	1258	4.0			0.70	3.7		27.7	12.6	20.9
22	1258	5.0			0.70	3.6		27.7	12.6	20.9
22	1258	6.0			0.71	3.7		27.7	12.6	20.9
22	1258	7.0			0.72	3.8		27.7	12.6	20.9
22	1258	8.0			0.71	3.7		27.7	12.6	20.9
22	1258	9.0			0.72	3.8		27.7	12.6	20.9
22	1258	10.0			0.71	3.7		27.7	12.6	20.9
22	1258	11.0			0.70	3.6		27.7	12.6	20.9
22	1258	12.0			0.71	3.7		27.7	12.5	20.9
22	1258	13.0			0.71	3.7		27.7	12.5	20.9
22	1258	14.0			0.70	3.7		27.7	12.5	20.9
22	1258	15.0			0.70	3.6		27.7	12.5	20.9
22	1258	16.0			0.70	3.6		27.7	12.5	20.9
22	1258	17.0			0.72	3.8		27.7	12.5	20.9
22	1258	18.0			0.71	3.7		27.7	12.5	20.9

Fluorometer Calibration:

n	r <sup>2</sup>	A	B	Syx
10	0.82	-1.4	7.26	0.7



LOCATION: North San Francisco Bay  
 DATE: March 21, 1989  
 JULIAN DAY: 89080

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657	1608	1.0	1.7	0.51	0.58	0.9	2.9	0.1	12.7	0.0
657	1608	2.0			0.58	0.9		0.1	12.7	0.0
657	1608	3.0			0.58	0.9		0.1	12.7	0.0
657	1608	4.0			0.58	0.9		0.1	12.6	0.0
657	1608	5.0			0.58	0.9		0.1	12.6	0.0
657	1608	6.0			0.58	1.0		0.1	12.5	0.0
657	1608	7.0			0.58	1.0		0.1	12.5	0.0
657	1608	8.0	1.1	0.32	0.58	1.0		0.1	12.5	0.0
657	1608	9.0			0.59	1.0		0.1	12.5	0.0
657	1608	10.0			0.58	0.9		0.1	12.5	0.0
653	1535	1.0			0.54	0.9	3.1	0.1	12.8	0.0
653	1535	2.0			0.54	0.9		0.1	12.8	0.0
653	1535	3.0			0.54	0.9		0.1	12.8	0.0
653	1535	4.0			0.54	0.9		0.1	12.7	0.0
653	1535	5.0			0.54	0.9		0.1	12.7	0.0
653	1535	6.0			0.55	0.9		0.1	12.7	0.0
653	1535	7.0			0.55	0.9		0.1	12.7	0.0
653	1535	8.0			0.55	0.9		0.1	12.7	0.0
653	1535	9.0			0.55	0.9		0.1	12.7	0.0
653	1535	10.0			0.55	0.9		0.1	12.7	0.0
649	1507	1.0			0.55	0.9	3.2	0.1	13.4	0.0
649	1507	2.0			0.55	0.9		0.1	13.4	0.0
649	1507	3.0			0.55	0.9		0.1	13.4	0.0
649	1507	4.0			0.55	0.9		0.1	13.4	0.0
649	1507	5.0			0.55	0.9		0.1	13.4	0.0
649	1507	6.0			0.55	0.9		0.1	13.4	0.0
649	1507	7.0			0.55	0.9		0.1	13.4	0.0
649	1507	8.0			0.55	0.9		0.1	13.4	0.0
649	1507	9.0			0.55	0.9		0.1	13.4	0.0
649	1507	10.0			0.54	0.9		0.1	13.4	0.0
649	1507	11.0			0.53	0.9		0.1	13.4	0.0
2	1445	1.0	0.8	0.24	0.55	0.9	4.0	0.1	13.8	0.0
2	1445	2.0			0.55	0.9		0.1	13.8	0.0
2	1445	3.0			0.56	0.9		0.1	13.8	0.0
2	1445	4.0			0.57	0.9		0.1	13.8	0.0
2	1445	5.0			0.57	0.9		0.1	13.8	0.0
2	1445	6.0			0.57	0.9		0.1	13.8	0.0
2	1445	7.0			0.57	0.9		0.1	13.8	0.0
2	1445	8.0			0.57	0.9		0.1	13.8	0.0
2	1445	9.0			0.57	0.9		0.1	13.8	0.0
2	1445	10.0			0.57	0.9		0.1	13.8	0.0
2	1445	11.0	1.0	0.29	0.56	0.9		0.1	13.8	0.0
2	1445	11.0			0.56	0.9		0.1	13.8	0.0
3	1435	1.0			0.55	0.9	3.8	0.1	13.7	0.0
3	1435	2.0			0.55	0.9		0.1	13.7	0.0
3	1435	3.0			0.55	0.9		0.1	13.7	0.0
3	1435	4.0			0.56	0.9		0.1	13.7	0.0
3	1435	5.0			0.56	0.9		0.1	13.7	0.0
3	1435	6.0			0.56	0.9		0.1	13.7	0.0
3	1435	7.0			0.56	0.9		0.1	13.7	0.0
3	1435	8.0			0.56	0.9		0.1	13.7	0.0
3	1435	9.0			0.56	0.9		0.1	13.7	0.0
3	1435	10.0			0.56	0.9		0.1	13.7	0.0
3	1435	11.0			0.54	0.9		0.1	13.7	0.0
3	1435	12.0			0.54	0.9		0.1	13.7	0.0
3	1435	13.0			0.53	0.9		0.1	13.7	0.0
4	1355	1.0	0.9	0.25	0.57	0.9	4.5	0.2	14.1	0.0
4	1355	2.0			0.57	0.9		0.2	14.1	0.0
4	1355	3.0			0.57	0.9		0.2	14.1	0.0
4	1355	4.0			0.57	0.9		0.2	14.1	0.0
4	1355	5.0			0.57	0.9		0.2	14.1	0.0

LOCATION: North San Francisco Bay  
 DATE: March 21, 1989  
 JULIAN DAY: 89080

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
4	1355	6.0			0.57	0.9		0.2	14.1	0.0
4	1355	7.0			0.57	0.9		0.2	14.1	0.0
4	1355	8.0			0.57	0.9		0.2	14.1	0.0
4	1355	9.0			0.57	0.9		0.2	14.1	0.0
4	1355	10.0			0.57	0.9		0.2	14.1	0.0
4	1355	11.0			0.55	0.9		0.2	14.1	0.0
4	1355	12.0			0.55	0.9		0.2	14.1	0.0
4	1355	13.0			0.54	0.9		0.2	14.1	0.0
4	1355	14.0			0.53	0.9		0.2	14.1	0.0
4	1355	15.0	0.9	0.23	0.53	0.9		0.2	14.1	0.0
5	1335	1.0			0.57	0.9	5.0	0.2	14.3	0.0
5	1335	2.0			0.57	0.9		0.2	14.2	0.0
5	1335	3.0			0.57	0.9		0.2	14.2	0.0
5	1335	4.0			0.58	1.0		0.2	14.2	0.0
5	1335	5.0			0.58	1.0		0.2	14.1	0.0
5	1335	6.0			0.58	1.0		0.2	14.2	0.0
5	1335	7.0			0.59	1.0		0.2	14.1	0.0
5	1335	8.0			0.59	1.0		0.2	14.1	0.0
5	1335	9.0			0.59	1.0		0.2	14.1	0.0
5	1335	10.0			0.60	1.0		0.2	14.1	0.0
5	1335	11.0			0.60	1.0		0.2	14.1	0.0
5	1335	12.0			0.60	1.0		0.2	14.1	0.0
6	1307	1.0	0.4	0.12	0.62	1.0	6.7	0.3	14.2	0.0
6	1307	2.0			0.62	1.0		0.3	14.2	0.0
6	1307	3.0			0.62	1.0		0.3	14.2	0.0
6	1307	4.0			0.62	1.0		0.3	14.2	0.0
6	1307	5.0			0.63	1.0		0.3	14.2	0.0
6	1307	6.0			0.63	1.0		0.3	14.2	0.0
6	1307	7.0			0.63	1.0		0.3	14.2	0.0
6	1307	8.0			0.64	1.0		0.3	14.2	0.0
6	1307	9.0			0.64	1.0		0.3	14.2	0.0
6	1307	10.0			0.63	1.0		0.3	14.2	0.0
6	1307	11.0			0.63	1.0		0.3	14.2	0.0
6	1307	12.0	0.6	0.14	0.62	1.0		0.3	14.2	0.0
7	1223	1.0			0.67	1.1	7.3	1.3	14.5	0.2
7	1223	2.0			0.67	1.1		1.4	14.4	0.2
7	1223	3.0			0.67	1.1		1.5	14.3	0.4
7	1223	4.0			0.67	1.1		1.6	14.3	0.4
7	1223	5.0			0.69	1.1		1.7	14.3	0.5
7	1223	6.0			0.70	1.1		1.9	14.2	0.7
7	1223	7.0			0.71	1.2		2.0	14.2	0.7
7	1223	8.0			0.72	1.2		2.0	14.2	0.8
7	1223	9.0			0.74	1.2		2.2	14.2	0.9
7	1223	10.0			0.76	1.2		2.3	14.2	1.0
7	1223	11.0			0.77	1.2		2.3	14.2	1.0
7	1223	12.0			0.77	1.3		2.3	14.2	1.0
7	1223	13.0			0.78	1.3		2.4	14.2	1.0
7	1223	14.0			0.78	1.3		2.4	14.2	1.1
7	1223	15.0			0.79	1.3		2.4	14.2	1.1
8	1202	1.0	1.4	0.27	0.62	1.0	4.8	3.4	14.1	1.9
8	1202	2.0			0.62	1.0		4.0	14.1	2.3
8	1202	3.0			0.63	1.0		4.5	14.0	2.7
8	1202	4.0			0.63	1.0		4.8	14.0	3.0
8	1202	5.0			0.66	1.1		5.8	13.9	3.7
8	1202	6.0			0.67	1.1		6.0	13.9	3.9
8	1202	7.0			0.69	1.1		6.2	13.9	4.1
8	1202	8.0			0.71	1.1		6.4	13.9	4.2
8	1202	9.0			0.72	1.2		6.7	13.9	4.4
8	1202	10.0			0.72	1.2		7.0	13.9	4.7
8	1202	11.0			0.76	1.2		7.2	13.9	4.8
8	1202	12.0			0.80	1.3		7.3	13.9	4.9

LOCATION: North San Francisco Bay  
 DATE: March 21, 1989  
 JULIAN DAY: 89080

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
8	1202	13.0			0.84	1.4		7.5	13.9	5.0
8	1202	14.0			0.88	1.4		7.5	13.9	5.0
8	1202	15.0	1.5	0.07	0.91	1.5		7.5	13.9	5.0
9	1145	1.0			0.62	1.0	4.4	4.0	14.1	2.3
9	1145	2.0			0.62	1.0		5.4	14.0	3.4
9	1145	3.0			0.62	1.0		5.9	14.0	3.8
9	1145	4.0			0.63	1.0		6.3	14.0	4.1
9	1145	5.0			0.64	1.0		6.7	13.9	4.5
9	1145	6.0			0.64	1.0		7.2	13.9	4.8
9	1145	7.0			0.66	1.1		8.3	13.8	5.7
9	1145	8.0			0.69	1.1		8.6	13.8	5.9
9	1145	9.0			0.71	1.2		9.2	13.8	6.4
9	1145	10.0			0.73	1.2		9.4	13.8	6.5
9	1145	11.0			0.75	1.2		9.7	13.7	6.8
9	1145	12.0			0.76	1.2		9.9	13.7	6.9
9	1145	13.0			0.77	1.2		9.9	13.7	6.9
9	1145	14.0			0.77	1.3		9.9	13.7	6.9
9	1145	15.0			0.78	1.3		10.0	13.7	7.0
9	1145	16.0			0.79	1.3		10.0	13.7	7.0
9	1145	17.0			0.79	1.3		10.0	13.7	7.0
9	1145	18.0			0.79	1.3		10.0	13.7	7.1
9	1145	19.0			0.80	1.3		10.1	13.7	7.1
9	1145	20.0			0.80	1.3		10.1	13.7	7.1
9	1145	21.0			0.79	1.3		10.1	13.7	7.1
9	1145	22.0			0.79	1.3		10.1	13.7	7.1
9	1145	23.0			0.81	1.3		10.4	13.7	7.3
9	1145	24.0			0.81	1.3		10.5	13.7	7.4
9	1145	25.0			0.83	1.3		10.5	13.7	7.4
10	1135	1.0	0.9	0.26	0.62	1.0	3.9	4.7	14.2	2.8
10	1135	2.0			0.62	1.0		5.5	14.0	3.5
10	1135	3.0			0.63	1.0		6.4	13.9	4.2
10	1135	4.0			0.64	1.0		6.9	13.9	4.5
10	1135	5.0			0.64	1.1		7.2	13.9	4.8
10	1135	6.0			0.66	1.1		7.7	13.9	5.2
10	1135	7.0			0.68	1.1		8.7	13.8	6.0
10	1135	8.0			0.72	1.2		10.5	13.8	7.4
10	1135	9.0			0.77	1.3		11.8	13.7	8.3
10	1135	10.0			0.81	1.3		11.9	13.7	8.5
10	1135	11.0			0.83	1.3		11.9	13.7	8.5
10	1135	12.0			0.87	1.4		12.1	13.7	8.6
10	1135	13.0			0.89	1.4		12.4	13.7	8.8
10	1135	14.0			0.91	1.5		12.4	13.7	8.8
10	1135	15.0			0.94	1.5		12.4	13.7	8.8
10	1135	16.0			0.95	1.5		12.4	13.7	8.9
10	1135	17.0			0.96	1.5		12.4	13.7	8.9
10	1135	18.0			0.97	1.6		12.4	13.7	8.9
10	1135	19.0	1.6	0.24	0.98	1.6		12.5	13.7	8.9
11	1115	1.0			0.70	1.1	2.9	5.8	14.1	3.7
11	1115	2.0			0.70	1.1		7.2	14.0	4.8
11	1115	3.0			0.71	1.2		8.6	13.9	5.9
11	1115	4.0			0.72	1.2		9.1	13.9	6.2
11	1115	5.0			0.73	1.2		9.4	13.8	6.6
11	1115	6.0			0.73	1.2		10.2	13.7	7.1
11	1115	7.0			0.73	1.2		10.7	13.7	7.5
11	1115	8.0			0.74	1.2		11.0	13.7	7.8
11	1115	9.0			0.75	1.2		11.4	13.7	8.1
11	1115	10.0			0.77	1.2		12.4	13.6	8.9
11	1115	11.0			0.78	1.3		13.9	13.5	10.0
11	1115	12.0			0.83	1.3		15.4	13.4	11.2
11	1115	13.0			0.85	1.4		15.6	13.4	11.3
13	1040	1.0			0.67	1.1	1.8	13.4	13.7	9.6

LOCATION: North San Francisco Bay  
 DATE: March 21, 1989  
 JULIAN DAY: 89080

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
13	1040	2.0			0.67	1.1		14.7	13.5	10.6
13	1040	3.0			0.65	1.1		16.0	13.4	11.7
13	1040	4.0			0.64	1.0		17.3	13.4	12.6
13	1040	5.0			0.65	1.1		19.0	13.3	14.0
13	1040	6.0			0.69	1.1		20.3	13.2	15.0
13	1040	7.0			0.72	1.2		20.7	13.2	15.4
13	1040	8.0			0.75	1.2		21.0	13.2	15.6
13	1040	9.0			0.79	1.3		21.1	13.2	15.6
13	1040	10.0			0.82	1.3		21.1	13.2	15.6
15	1010	1.0			0.62	1.0	1.6	18.1	13.4	13.3
15	1010	2.0			0.62	1.0		18.2	13.4	13.3
15	1010	3.0			0.62	1.0		18.4	13.4	13.5
15	1010	4.0			0.62	1.0		18.5	13.4	13.6
15	1010	5.0			0.62	1.0		18.8	13.4	13.9
15	1010	6.0			0.62	1.0		19.2	13.4	14.1
15	1010	7.0			0.62	1.0		19.7	13.3	14.5
15	1010	8.0			0.63	1.0		20.5	13.3	15.1
15	1010	9.0			0.64	1.1		20.8	13.3	15.4
15	1010	10.0			0.64	1.0		21.0	13.2	15.5
15	1010	11.0			0.65	1.1		21.4	13.2	15.8
15	1010	12.0			0.65	1.1		21.7	13.2	16.1
15	1010	13.0			0.66	1.1		21.9	13.2	16.3
15	1010	14.0			0.67	1.1		22.5	13.1	16.7
15	1010	15.0			0.66	1.1		22.7	13.1	16.9
15	1010	16.0			0.66	1.1		22.8	13.1	16.9
15	1010	17.0			0.66	1.1		23.0	13.1	17.1
15	1010	18.0			0.67	1.1		23.1	13.1	17.2
15	1010	19.0			0.65	1.1		23.4	13.1	17.4
15	1010	20.0			0.66	1.1		24.2	13.0	18.0
15	1010	21.0			0.69	1.1		24.7	12.9	18.4
15	1010	22.0			0.69	1.1		24.8	12.9	18.5

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  12      0.30      0.1      1.53      0.4

LOCATION: South San Francisco Bay  
 DATE: March 22, 1989  
 JULIAN DAY: 89081

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	1615	1.0	5.3	0.64	0.98	5.5	1.6	27.4	16.2	19.9
32	1615	2.0			0.98	5.5		27.4	16.2	19.9
32	1615	3.0			0.96	5.4		27.4	16.2	19.9
32	1615	4.0			0.96	5.4		27.5	16.1	20.0
32	1615	5.0			0.97	5.4		27.7	15.8	20.2
32	1615	6.0			0.99	5.6		27.7	15.7	20.2
32	1615	7.0			1.02	5.8		27.7	15.7	20.2
32	1615	8.0			1.03	6.0		27.7	15.7	20.2
32	1615	9.0			1.07	6.3		27.7	15.6	20.2
32	1615	10.0	6.7	0.48	1.10	6.5		27.7	15.6	20.2
31	1601	1.0			0.96	5.4	1.2	27.7	15.7	20.2
31	1601	2.0			0.96	5.4		27.7	15.7	20.2
31	1601	3.0			1.00	5.7		27.7	15.7	20.2
31	1601	4.0			0.95	5.3		27.8	15.6	20.3
31	1601	5.0			0.95	5.3		28.0	15.3	20.5
31	1601	6.0			0.94	5.2		27.9	15.2	20.5
31	1601	7.0			0.97	5.4		28.0	15.0	20.6
31	1601	8.0			1.00	5.7		27.9	15.0	20.5
31	1601	9.0			1.02	5.9		28.0	15.0	20.5
31	1601	10.0			1.06	6.2		27.9	15.0	20.5
31	1601	11.0			1.06	6.2		28.0	15.0	20.6
31	1601	12.0			1.13	6.8		28.0	15.0	20.6
31	1601	13.0			1.14	6.9		28.0	14.9	20.6
31	1601	14.0			1.19	7.3		28.0	14.9	20.6
30	1538	1.0	5.1	0.70	0.88	4.7	1.2	28.2	14.9	20.8
30	1538	2.0			0.88	4.7		28.2	14.9	20.8
30	1538	3.0			0.87	4.7		28.2	14.9	20.8
30	1538	4.0			0.90	4.9		28.2	14.9	20.8
30	1538	5.0			0.89	4.8		28.2	14.9	20.8
30	1538	6.0			0.90	4.9		28.3	14.8	20.8
30	1538	7.0			0.89	4.8		28.3	14.8	20.8
30	1538	8.0			0.90	4.9		28.3	14.7	20.9
30	1538	9.0			0.92	5.0		28.3	14.7	20.8
30	1538	10.0			0.94	5.3		28.3	14.7	20.8
30	1538	11.0			0.96	5.4		28.3	14.7	20.8
30	1538	12.0			0.96	5.4		28.2	14.7	20.8
30	1538	13.0			0.99	5.6		28.3	14.7	20.8
30	1538	14.0	6.4	0.42	1.02	5.9		28.3	14.7	20.8
29	1510	1.0			0.93	5.1	1.2	28.0	14.5	20.7
29	1510	2.0			0.93	5.1		28.0	14.5	20.7
29	1510	3.0			0.92	5.1		28.0	14.5	20.7
29	1510	4.0			0.94	5.2		28.0	14.5	20.7
29	1510	5.0			0.94	5.3		28.0	14.5	20.7
29	1510	6.0			0.93	5.2		28.0	14.5	20.7
29	1510	7.0			0.93	5.1		28.0	14.5	20.7
29	1510	8.0			0.92	5.1		28.0	14.5	20.7
29	1510	9.0			0.93	5.1		28.1	14.5	20.7
29	1510	10.0			0.93	5.1		28.1	14.4	20.8
29	1510	11.0			0.95	5.3		28.1	14.4	20.8
29	1510	12.0			0.97	5.5		28.1	14.4	20.8
29	1510	13.0			0.99	5.7		28.1	14.4	20.8
29	1510	14.0			1.02	5.9		28.1	14.4	20.8
29	1510	15.0			1.04	6.0		28.1	14.4	20.8
28	1452	1.0			0.96	5.4	1.5	27.4	14.1	20.3
28	1452	2.0			0.96	5.4		27.4	14.0	20.3
28	1452	3.0			0.97	5.5		27.4	14.0	20.3
28	1452	4.0			0.98	5.6		27.4	14.0	20.3
28	1452	5.0			0.98	5.5		27.4	14.0	20.3
28	1452	6.0			0.96	5.4		27.5	14.0	20.4
28	1452	7.0			0.95	5.3		27.6	14.0	20.5
28	1452	8.0			0.95	5.3		27.8	14.0	20.6

LOCATION: South San Francisco Bay  
DATE: March 22, 1989  
JULIAN DAY: 89081

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	1452	9.0			0.94	5.2		27.8	13.9	20.7
28	1452	10.0			0.92	5.1		27.9	14.0	20.7
28	1452	11.0			0.93	5.2		28.0	14.0	20.8
28	1452	12.0			0.93	5.2		28.0	14.0	20.8
28	1452	13.0			0.95	5.3		28.0	14.0	20.8
28	1452	14.0			0.95	5.3		28.0	14.0	20.8
28	1452	15.0			0.98	5.5		28.0	14.0	20.8
28	1452	16.0			0.98	5.5		28.0	14.0	20.8
27	1436	1.0	4.4	0.64	0.86	4.6	1.4	27.1	14.0	20.1
27	1436	2.0			0.86	4.6		27.1	14.0	20.1
27	1436	3.0			0.86	4.6		27.1	14.0	20.1
27	1436	4.0			0.88	4.7		27.1	14.0	20.1
27	1436	5.0			0.87	4.6		27.2	14.0	20.2
27	1436	6.0			0.87	4.7		27.3	13.9	20.2
27	1436	7.0			0.89	4.8		27.4	13.8	20.4
27	1436	8.0			0.89	4.8		27.6	13.8	20.6
27	1436	9.0			0.93	5.1		27.8	13.8	20.6
27	1436	10.0			0.94	5.3		27.8	13.8	20.7
27	1436	11.0			0.97	5.5		27.8	13.8	20.7
27	1436	12.0	5.0	0.55	1.00	5.7		27.8	13.8	20.7
26	1423	1.0			0.82	4.2	1.3	27.0	14.0	20.0
26	1423	2.0			0.82	4.2		27.0	14.0	20.0
26	1423	3.0			0.83	4.4		27.0	14.0	20.0
26	1423	4.0			0.83	4.3		27.0	13.9	20.0
26	1423	5.0			0.84	4.4		27.0	13.9	20.0
26	1423	6.0			0.83	4.3		27.1	13.9	20.1
26	1423	7.0			0.84	4.4		27.2	13.8	20.2
26	1423	8.0			0.87	4.7		27.4	13.7	20.4
26	1423	9.0			0.88	4.7		27.4	13.7	20.4
26	1423	10.0			0.91	5.0		27.4	13.7	20.4
26	1423	11.0			0.92	5.1		27.4	13.7	20.4
26	1423	12.0			0.94	5.3		27.4	13.7	20.4
25	1403	1.0			0.73	3.5	1.1	25.7	14.6	18.9
25	1403	2.0			0.73	3.5		25.8	14.5	19.0
25	1403	3.0			0.75	3.6		26.2	14.2	19.3
25	1403	4.0			0.76	3.8		26.2	14.1	19.4
25	1403	5.0			0.77	3.9		26.2	14.1	19.4
25	1403	6.0			0.77	3.9		26.2	14.0	19.4
25	1403	7.0			0.77	3.9		26.3	13.9	19.5
25	1403	8.0			0.78	3.9		26.4	13.9	19.5
24	1345	1.0	2.9	0.60	0.69	3.2	1.2	24.7	13.8	18.3
24	1345	2.0			0.69	3.2		24.8	13.8	18.4
24	1345	3.0			0.72	3.4		25.0	13.8	18.5
24	1345	4.0			0.71	3.3		25.0	13.7	18.5
24	1345	5.0			0.71	3.3		25.0	13.7	18.5
24	1345	6.0			0.72	3.4		25.1	13.8	18.6
24	1345	7.0			0.71	3.4		25.2	13.8	18.7
24	1345	8.0			0.72	3.4		25.4	13.8	18.8
24	1345	9.0			0.73	3.5		25.5	13.8	18.9
24	1345	10.0			0.73	3.5		25.5	13.8	18.9
24	1345	11.0	2.7	0.38	0.72	3.4		25.5	13.8	18.9
23	1328	1.0			0.66	2.9	1.2	24.8	13.8	18.3
23	1328	2.0			0.66	2.9		24.8	13.6	18.4
23	1328	3.0			0.66	2.9		24.8	13.5	18.4
23	1328	4.0			0.66	2.9		24.8	13.5	18.5
23	1328	5.0			0.67	3.0		24.9	13.5	18.5
23	1328	6.0			0.69	3.2		24.9	13.5	18.5
23	1328	7.0			0.68	3.1		24.9	13.5	18.5
23	1328	8.0			0.68	3.1		25.1	13.4	18.7
23	1328	9.0			0.67	3.0		25.3	13.3	18.8

LOCATION: South San Francisco Bay  
 DATE: March 22, 1989  
 JULIAN DAY: 89081

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
23	1328	10.0			0.66	2.9		25.4	13.3	18.9
23	1328	11.0			0.66	2.9		25.4	13.4	18.9
23	1328	12.0			0.66	2.9		25.5	13.4	18.9
23	1328	13.0			0.66	2.9		25.5	13.4	19.0
23	1328	14.0			0.66	2.9		25.5	13.4	19.0
23	1328	15.0			0.67	3.0		25.5	13.4	19.0
23	1328	16.0			0.68	3.1		25.5	13.4	19.0
22	1307	1.0			0.67	3.0	1.1	23.0	14.4	16.9
22	1307	2.0			0.67	3.0		23.2	14.2	17.0
22	1307	3.0			0.70	3.2		23.5	14.0	17.3
22	1307	4.0			0.70	3.3		23.8	13.5	17.7
22	1307	5.0			0.71	3.3		24.0	13.4	17.8
22	1307	6.0			0.70	3.3		24.4	13.4	18.1
22	1307	7.0			0.72	3.4		24.6	13.4	18.3
22	1307	8.0			0.71	3.3		24.7	13.4	18.4
22	1307	9.0			0.71	3.3		25.2	13.3	18.8
22	1307	10.0			0.67	3.0		26.3	13.0	19.6
22	1307	11.0			0.66	3.0		26.8	12.9	20.1
22	1307	12.0			0.65	2.9		27.0	12.8	20.2
22	1307	13.0			0.65	2.8		27.1	12.8	20.3
22	1307	14.0			0.64	2.8		27.1	12.8	20.3
22	1307	15.0			0.65	2.8		27.2	12.8	20.4
22	1307	16.0			0.64	2.8		27.2	12.8	20.4
22	1307	17.0			0.65	2.9		27.3	12.8	20.5
22	1307	18.0			0.66	2.9		27.3	12.8	20.5
21	1250	1.0	3.5	0.61	0.65	2.8	1.2	24.2	13.6	17.9
21	1250	2.0			0.65	2.8		25.0	13.3	18.6
21	1250	3.0			0.67	3.0		25.6	13.1	19.1
21	1250	4.0			0.68	3.1		25.8	13.1	19.3
21	1250	5.0			0.69	3.2		26.3	13.0	19.7
21	1250	6.0			0.68	3.1		26.9	12.8	20.1
21	1250	7.0			0.67	3.0		28.0	12.6	21.1
21	1250	8.0			0.68	3.1		28.2	12.6	21.2
21	1250	9.0			0.67	3.0		28.2	12.6	21.2
21	1250	10.0			0.68	3.1		28.3	12.6	21.3
21	1250	11.0			0.72	3.4		28.4	12.5	21.3
21	1250	12.0			0.69	3.1		28.4	12.5	21.4
21	1250	13.0			0.70	3.2		28.4	12.5	21.4
21	1250	14.0			0.71	3.3		28.4	12.5	21.4
21	1250	15.0			0.71	3.3		28.5	12.5	21.4
21	1250	16.0			0.72	3.4		28.5	12.5	21.4
21	1250	17.0			0.75	3.7		28.5	12.5	21.5
21	1250	18.0	4.1	0.33	0.77	3.8		28.5	12.5	21.5

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
    10      0.87      -2.5      8.23      0.5

LOCATION: South San Francisco Bay  
 DATE: March 30, 1989  
 JULIAN DAY: 89089

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	753	1.0	21.3	0.75	2.50	18.4	2.1	27.2	15.5	19.8
32	753	2.0			2.50	18.4		27.2	15.5	19.8
32	753	3.0			2.39	17.5		27.2	15.6	19.8
32	753	4.0			2.35	17.2		27.2	15.6	19.9
32	753	5.0			2.29	16.7		27.3	15.6	19.9
32	753	6.0			2.39	17.5		27.3	15.6	19.9
32	753	7.0			2.67	19.7		27.4	15.6	20.0
32	753	8.0			2.88	21.4		27.4	15.6	20.0
32	753	9.0			2.94	21.9		27.4	15.6	20.0
32	753	10.0			3.13	23.4		27.4	15.6	20.0
32	753	11.0	25.6	0.75	3.29	24.7	27.4	27.4	15.6	20.0
32	753	12.0			3.49	26.3		27.4	15.6	20.0
31	806	1.0			1.95	14.0	1.2	26.6	14.7	19.6
31	806	2.0			1.95	14.0		26.9	14.7	19.8
31	806	3.0			1.94	13.9		26.9	15.1	19.7
31	806	4.0			2.01	14.5		27.0	15.2	19.8
31	806	5.0			2.02	14.6		27.1	15.2	19.8
31	806	6.0			1.99	14.4		27.1	15.3	19.9
31	806	7.0			2.00	14.4		27.2	15.3	19.9
31	806	8.0			1.98	14.3		27.2	15.4	19.9
31	806	9.0			2.14	15.6		27.3	15.4	19.9
31	806	10.0			2.36	17.3		27.3	15.2	20.0
31	806	11.0			2.40	17.6		27.3	15.3	20.0
31	806	12.0			2.72	20.1		27.4	15.4	20.0
31	806	13.0			2.72	20.2		27.4	15.5	20.0
31	806	14.0			2.76	20.5		27.4	15.6	20.0
30	826	1.0	11.5	0.80	1.71	12.1	0.9	25.0	14.6	18.4
30	826	2.0			1.71	12.1		25.6	14.7	18.8
30	826	3.0			1.67	11.8		25.7	14.7	18.9
30	826	4.0			1.64	11.5		26.0	14.8	19.1
30	826	5.0			1.53	10.7		26.3	14.9	19.3
30	826	6.0			1.69	11.9		26.7	15.1	19.6
30	826	7.0			1.85	13.2		27.0	15.1	19.8
30	826	8.0			1.84	13.1		27.1	15.2	19.8
30	826	9.0			1.89	13.5		27.1	15.2	19.9
30	826	10.0			2.05	14.9		27.1	15.2	19.9
30	826	11.0			2.13	15.4		27.1	15.2	19.9
30	826	12.0			2.23	16.3		27.2	15.2	19.9
30	826	13.0			2.30	16.8		27.2	15.2	19.9
30	826	14.0			2.36	17.3		27.2	15.2	19.9
30	826	15.0			2.38	17.4		27.2	15.2	19.9
30	826	16.0			2.39	17.5		27.2	15.2	19.9
29	846	1.0			1.66	11.7	1.0	24.0	14.3	17.7
29	846	2.0			1.66	11.7		24.3	14.5	17.8
29	846	3.0			1.74	12.3		24.4	14.6	17.9
29	846	4.0			1.75	12.5		24.5	14.7	18.0
29	846	5.0			1.74	12.4		24.8	14.8	18.2
29	846	6.0			1.66	11.7		25.3	14.9	18.5
29	846	7.0			1.72	12.2		25.8	14.9	18.9
29	846	8.0			1.72	12.2		26.4	14.9	19.3
29	846	9.0			1.70	12.1		26.8	15.0	19.7
29	846	10.0			1.79	12.7		27.0	15.1	19.8
29	846	11.0			1.76	12.5		27.0	15.1	19.8
29	846	12.0			1.83	13.1		27.0	15.1	19.8
29	846	13.0			1.86	13.3		27.0	15.1	19.8
29	846	14.0			1.96	14.1		27.0	15.1	19.8
28	900	1.0			1.42	9.8	0.8	22.8	13.7	16.8
28	900	2.0			1.42	9.8		23.1	13.9	17.0
28	900	3.0			1.68	11.9		23.7	14.3	17.4
28	900	4.0			1.56	10.9		23.9	14.4	17.6
28	900	5.0			1.61	11.3		24.2	14.5	17.7



LOCATION: South San Francisco Bay  
 DATE: March 30, 1989  
 JULIAN DAY: 89089

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	900	6.0			1.56	11.0				
28	900	7.0			1.59	11.2		24.4	14.6	17.9
28	900	8.0			1.55	10.8		24.8	14.7	18.2
28	900	9.0			1.60	11.2		25.7	14.9	18.8
28	900	10.0			1.63	11.5		26.4	15.0	19.3
28	900	11.0			1.68	11.9		26.7	15.1	19.6
28	900	12.0			1.82	13.0		26.8	15.1	19.7
28	900	13.0			1.93	13.9		26.9	15.1	19.7
28	900	14.0			2.01	14.5		26.9	15.1	19.7
27	913	1.0	10.0	0.81	1.77	12.6	1.1	23.5	14.2	17.2
27	913	2.0			1.77	12.6		24.1	14.5	17.7
27	913	3.0			1.79	12.7		24.2	14.6	17.7
27	913	4.0			1.77	12.6		24.7	14.9	18.1
27	913	5.0			1.72	12.2		25.6	15.0	18.7
27	913	6.0			1.74	12.4		26.4	15.1	19.3
27	913	7.0			1.77	12.6		26.6	15.1	19.5
27	913	8.0			1.73	12.3		26.8	15.1	19.6
27	913	9.0			1.84	13.2		26.8	15.1	19.7
27	913	10.0			1.86	13.3		26.9	15.1	19.7
27	913	11.0			1.94	13.9		26.9	15.1	19.7
27	913	12.0	14.0	0.63	1.96	14.1		26.9	15.1	19.7
26	927	1.0			1.24	8.4	0.9	22.3	13.8	16.5
26	927	2.0			1.24	8.4		22.9	14.1	16.8
26	927	3.0			1.40	9.7		24.1	14.7	17.7
26	927	4.0			1.45	10.1		24.4	14.8	17.8
26	927	5.0			1.49	10.4		25.5	15.0	18.7
26	927	6.0			1.54	10.8		26.4	15.0	19.3
26	927	7.0			1.50	10.5		26.7	15.0	19.6
26	927	8.0			1.51	10.6		26.8	14.9	19.7
26	927	9.0			1.48	10.3		26.9	14.9	19.7
26	927	10.0			1.53	10.7		26.9	14.9	19.7
26	927	11.0			1.49	10.4		26.9	14.9	19.7
25	943	1.0			1.18	7.9	1.0	22.3	14.0	16.4
25	943	2.0			1.18	7.9		22.8	14.3	16.7
25	943	3.0			1.31	8.9		24.2	14.6	17.7
25	943	4.0			1.29	8.8		25.4	14.8	18.6
25	943	5.0			1.33	9.1		26.1	14.8	19.1
25	943	6.0			1.27	8.7		26.3	14.8	19.3
25	943	7.0			1.29	8.8		26.3	14.8	19.3
25	943	8.0			1.27	8.7		26.3	14.8	19.3
24	1001	2.0	5.3	0.79	1.01	6.6	0.8	21.8	13.6	16.1
24	1001	3.0			1.01	6.6		22.2	14.0	16.4
24	1001	4.0			1.03	6.7		22.7	14.3	16.7
24	1001	5.0			1.03	6.8		24.5	14.5	18.0
24	1001	6.0			1.08	7.2		25.9	14.7	19.1
24	1001	7.0			1.11	7.4		26.1	14.7	19.2
24	1001	8.0			1.10	7.3		26.2	14.8	19.3
24	1001	9.0			1.08	7.1		26.2	14.8	19.3
24	1001	10.0	7.1	0.65	1.09	7.2		26.2	14.8	19.3
23	1015	1.0			0.90	5.7	0.8	20.6	13.6	15.1
23	1015	2.0			0.90	5.7		20.8	13.6	15.3
23	1015	3.0			0.94	6.0		21.0	13.5	15.5
23	1015	4.0			1.01	6.5		21.4	13.8	15.7
23	1015	5.0			1.01	6.5		21.8	13.9	16.0
23	1015	6.0			0.98	6.4		22.1	13.8	16.3
23	1015	7.0			0.97	6.2		22.2	13.9	16.4
23	1015	8.0			0.96	6.2		22.3	13.9	16.4
23	1015	9.0			0.93	5.9		23.2	14.2	17.0
23	1015	10.0			0.91	5.8		24.3	14.5	17.9
23	1015	11.0			0.90	5.7		25.1	14.6	18.5

LOCATION: South San Francisco Bay  
 DATE: March 30, 1989  
 JULIAN DAY: 89089

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
23	1015	12.0			0.94	6.0		25.9	14.7	19.0
23	1015	13.0			0.93	6.0		26.0	14.7	19.1
23	1015	14.0			0.98	6.4		26.1	14.7	19.2
22	1033	1.0			0.83	5.2	0.8	21.5	13.8	15.8
22	1033	2.0			0.83	5.2		22.0	14.2	16.2
22	1033	3.0			0.87	5.4		23.1	14.3	17.0
22	1033	4.0			0.85	5.3		23.6	14.4	17.4
22	1033	5.0			0.87	5.5		24.8	14.5	18.2
22	1033	6.0			0.87	5.5		25.2	14.5	18.5
22	1033	7.0			0.88	5.5		25.4	14.5	18.7
22	1033	8.0			0.86	5.4		25.4	14.4	18.7
22	1033	9.0			0.86	5.4		25.4	14.4	18.7
22	1033	10.0			0.86	5.4		25.8	14.3	19.0
22	1033	11.0			0.82	5.1		26.0	14.2	19.2
22	1033	12.0			0.82	5.1		26.2	14.1	19.4
22	1033	13.0			0.80	5.0		26.4	14.0	19.6
22	1033	14.0			0.80	4.9		26.7	13.9	19.8
22	1033	15.0			0.80	4.9		27.0	13.7	20.1
22	1033	16.0			0.82	5.1		27.2	13.6	20.2
22	1033	17.0			0.75	4.5		27.3	13.5	20.3
21	1045	1.0	6.4	0.73	0.93	5.9	0.8	22.7	14.0	16.7
21	1045	2.0			0.93	5.9		22.8	13.9	16.8
21	1045	3.0			0.95	6.1		22.9	14.2	16.8
21	1045	4.0			0.99	6.4		23.8	14.4	17.5
21	1045	5.0			1.02	6.7		24.2	14.4	17.8
21	1045	6.0			1.01	6.6		24.6	14.5	18.0
21	1045	7.0			1.03	6.7		24.8	14.5	18.2
21	1045	8.0			1.05	6.9		24.9	14.5	18.3
21	1045	9.0			1.07	7.1		25.0	14.5	18.4
21	1045	10.0			1.05	6.9		25.1	14.5	18.5
21	1045	11.0			0.99	6.5		25.2	14.4	18.6
21	1045	12.0			0.97	6.2		25.4	14.3	18.8
21	1045	13.0			0.95	6.1		25.6	14.3	18.9
21	1045	14.0			0.89	5.6		26.1	14.2	19.3
21	1045	15.0			0.88	5.6		27.2	13.6	20.2
21	1045	16.0			0.85	5.3		28.5	12.9	21.3
21	1045	17.0			0.85	5.3		28.4	12.8	21.3
21	1045	18.0	6.8	0.78	0.80	4.9		28.6	12.8	21.5

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  10      0.95      -1.4      7.93      1.6

LOCATION: South San Francisco Bay  
 DATE: April 4, 1989  
 JULIAN DAY: 89094

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32	1251	1.0	24.0	0.80	2.97	22.6	1.4	25.0	16.2	18.0
32	1251	2.0			2.97	22.6		25.0	15.9	
32	1251	3.0			3.02	23.0		25.0	15.8	
32	1251	4.0			3.02	23.0		25.0	15.8	
32	1251	5.0			3.17	24.2		25.0	15.8	
32	1251	6.0			3.18	24.3		25.0	15.9	
32	1251	7.0			3.24	24.8		25.1	15.9	
32	1251	8.0	23.9	0.71	3.32	25.4		25.1	16.0	18.1
32	1251	9.0			3.47	26.7		25.1	16.1	
31	1237	1.0			2.86	21.7	1.4	24.7	16.1	17.8
31	1237	2.0			2.86	21.7		24.8	15.5	18.0
31	1237	3.0			2.96	22.5		24.8	15.5	18.0
31	1237	4.0			2.97	22.6		24.8	15.5	18.0
31	1237	5.0			3.00	22.8		24.8	15.5	18.0
31	1237	6.0			3.03	23.1		24.8	15.5	18.0
31	1237	7.0			2.98	22.7		24.8	15.5	18.0
31	1237	8.0			3.03	23.1		24.8	15.5	18.0
31	1237	9.0			3.09	23.6		24.8	15.5	18.0
31	1237	10.0			3.13	23.9		24.8	15.5	18.0
31	1237	11.0			3.21	24.6		24.8	15.5	18.0
31	1237	12.0			3.23	24.7		24.8	15.5	18.0
31	1237	13.0			3.34	25.6		24.8	15.5	18.0
31	1237	14.0			3.30	25.3		24.8	15.5	18.0
30	1219	1.0	23.8	0.82	2.77	21.0	1.5	24.5	15.7	17.7
30	1219	2.0			2.77	21.0		24.5	15.5	17.8
30	1219	3.0			2.82	21.4		24.5	15.4	17.8
30	1219	4.0			2.88	21.9		24.5	15.4	17.8
30	1219	5.0			2.90	22.0		24.5	15.4	17.8
30	1219	6.0			2.90	22.0		24.5	15.4	17.8
30	1219	7.0			2.86	21.7		24.5	15.4	17.8
30	1219	8.0			2.88	21.8		24.6	15.4	17.9
30	1219	9.0			2.89	21.9		24.6	15.4	17.9
30	1219	10.0			2.98	22.7		24.6	15.4	17.9
30	1219	11.0			3.04	23.1		24.6	15.4	17.9
30	1219	12.0			3.10	23.7		24.6	15.4	17.9
30	1219	13.0			3.11	23.7		24.6	15.4	17.9
30	1219	14.0			3.19	24.4		24.6	15.4	17.9
30	1219	15.0	24.1	0.71	3.16	24.1		24.6	15.4	17.9
30	1219	16.0			3.18	24.3		24.6	15.4	
29	1156	1.0			1.92	14.0	1.7	24.2	15.1	17.7
29	1156	2.0			1.92	14.0		24.2	15.1	17.7
29	1156	3.0			1.90	13.8		24.2	15.1	17.7
29	1156	4.0			1.92	13.9		24.2	15.1	17.6
29	1156	5.0			1.98	14.5		24.2	15.1	17.6
29	1156	6.0			1.94	14.2		24.2	15.1	17.6
29	1156	7.0			1.99	14.5		24.2	15.1	17.6
29	1156	8.0			2.02	14.8		24.2	15.1	17.6
29	1156	9.0			2.01	14.7		24.2	15.1	17.6
29	1156	10.0			2.09	15.3		24.2	15.1	17.6
29	1156	11.0			2.08	15.2		24.2	15.1	17.6
29	1156	12.0			2.09	15.4		24.2	15.1	17.6
29	1156	13.0			2.17	16.0		24.2	15.1	17.6
29	1156	14.0			2.15	15.9		24.2	15.1	17.6
29	1156	15.0			2.25	16.7		24.2	15.1	17.6
29	1156	16.0			2.27	16.9		24.2	15.1	17.6
28	1142	1.0			1.59	11.3	1.6	24.0	15.1	17.5
28	1142	2.0			1.59	11.3		24.0	14.9	17.6
28	1142	3.0			1.64	11.7		24.0	14.9	17.5
28	1142	4.0			1.69	12.1		24.0	14.9	17.5
28	1142	5.0			1.69	12.1		24.0	14.9	17.5
28	1142	6.0			1.69	12.1		24.0	14.9	17.5

LOCATION: South San Francisco Bay  
 DATE: April 4, 1989  
 JULIAN DAY: 89094

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
28	1142	7.0			1.72	12.3		24.0	14.9	17.5
28	1142	8.0			1.75	12.6		24.0	14.9	17.5
28	1142	9.0			1.76	12.6		24.0	14.9	17.5
28	1142	10.0			1.80	12.9		24.0	14.9	17.5
28	1142	11.0			1.82	13.2		24.0	14.9	17.5
28	1142	12.0			1.84	13.3		24.1	15.0	17.6
28	1142	13.0			1.92	14.0		24.1	15.0	17.6
28	1142	14.0			1.98	14.4		24.1	15.0	17.6
28	1142	15.0			1.98	14.5		24.1	15.0	17.6
28	1142	16.0			2.06	15.1		24.1	15.0	17.6
28	1142	17.0			2.15	15.9		24.1	15.0	17.6
27	1128	1.0	11.6	0.81	1.50	10.5	1.7	23.8	15.0	17.4
27	1128	2.0			1.50	10.5		23.8	14.8	17.4
27	1128	3.0			1.52	10.6		23.8	14.7	17.4
27	1128	4.0			1.48	10.3		23.8	14.7	17.4
27	1128	5.0			1.50	10.6		23.8	14.7	17.4
27	1128	6.0			1.48	10.4		23.8	14.7	17.4
27	1128	7.0			1.52	10.7		23.8	14.7	17.4
27	1128	8.0			1.52	10.7		23.8	14.7	17.4
27	1128	9.0			1.57	11.1		23.8	14.7	17.4
27	1128	10.0			1.55	10.9		23.8	14.7	17.4
27	1128	11.0			1.56	11.0		23.8	14.7	17.4
27	1128	12.0			1.59	11.2		23.8	14.7	17.4
27	1128	13.0			1.66	11.8		23.8	14.7	17.4
27	1128	14.0	12.1	0.50	1.79	12.9		23.8	14.7	17.4
26	1114	1.0			1.18	7.9	1.7	23.8	14.8	17.4
26	1114	2.0			1.18	7.9		23.8	14.6	17.4
26	1114	3.0			1.19	8.0		23.8	14.6	17.4
26	1114	4.0			1.21	8.1		23.8	14.6	17.4
26	1114	5.0			1.23	8.3		23.8	14.6	17.4
26	1114	6.0			1.21	8.1		23.8	14.6	17.4
26	1114	7.0			1.22	8.2		23.8	14.6	17.4
26	1114	8.0			1.26	8.5		23.8	14.6	17.4
26	1114	9.0			1.32	9.1		23.8	14.6	17.4
26	1114	10.0			1.33	9.1		23.8	14.6	17.4
26	1114	11.0			1.38	9.5		23.8	14.6	17.4
25	1056	1.0			1.12	7.4	2.1	23.8	14.3	17.5
25	1056	2.0			1.12	7.4		23.8	14.2	17.5
25	1056	3.0			1.14	7.5		23.8	14.2	17.5
25	1056	4.0			1.17	7.8		23.8	14.2	17.5
25	1056	5.0			1.18	7.9		23.8	14.2	17.5
25	1056	6.0			1.20	8.0		23.8	14.2	17.5
25	1056	7.0			1.20	8.1		23.8	14.2	17.5
25	1056	8.0			1.21	8.1		23.8	14.2	17.5
25	1056	9.0			1.21	8.1		23.8	14.2	17.5
25	1056	10.0			1.24	8.3		23.8	14.2	17.5
24	1039	1.0	5.8	0.39	1.03	6.7	3.4	24.3	13.6	18.0
24	1039	2.0			1.03	6.7		24.3	13.6	18.0
24	1039	3.0			1.05	6.8		24.3	13.6	18.0
24	1039	4.0			1.04	6.8		24.3	13.6	18.0
24	1039	5.0			1.06	6.9		24.3	13.6	18.0
24	1039	6.0			1.04	6.8		24.3	13.6	18.0
24	1039	7.0			1.05	6.8		24.3	13.6	18.0
24	1039	8.0			1.09	7.1		24.3	13.6	18.0
24	1039	9.0			1.14	7.5		24.3	13.6	18.0
24	1039	10.0			1.12	7.4		24.3	13.6	18.0
24	1039	11.0			1.15	7.6		24.3	13.6	18.0
24	1039	12.0	5.3	0.28	1.13	7.5		24.3	13.6	18.0
23	1027	1.0			0.87	5.3	1.4	24.2	13.6	17.9
23	1027	2.0			0.87	5.3		24.5	13.5	18.2

LOCATION: South San Francisco Bay  
 DATE: April 4, 1989  
 JULIAN DAY: 89094

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
23	1027	3.0			0.88	5.4		24.7	13.4	18.3
23	1027	4.0			0.87	5.3		24.7	13.4	18.3
23	1027	5.0			0.86	5.2		24.7	13.4	18.4
23	1027	6.0			0.89	5.5		24.7	13.4	18.4
23	1027	7.0			0.92	5.7		24.7	13.4	18.4
23	1027	8.0			0.94	6.0		24.7	13.4	18.4
23	1027	9.0			0.94	5.9		24.7	13.4	18.4
23	1027	10.0			0.95	6.0		24.7	13.4	18.4
23	1027	11.0			0.99	6.3		24.8	13.4	18.4
23	1027	12.0			0.97	6.1		24.8	13.4	18.4
23	1027	13.0			1.01	6.5		24.8	13.4	18.4
23	1027	14.0			0.99	6.3		24.8	13.4	18.4
23	1027	15.0			1.00	6.5		24.8	13.4	18.4
23	1027	16.0			1.00	6.4		24.8	13.4	18.4
23	1027	17.0			1.02	6.6		24.8	13.4	18.4
22	1007	1.0			0.83	5.0	1.7	25.2	13.1	18.8
22	1007	2.0			0.83	5.0		25.6	13.0	19.1
22	1007	3.0			0.84	5.1		25.7	13.0	19.2
22	1007	4.0			0.87	5.4		25.8	13.0	19.3
22	1007	5.0			0.86	5.3		25.9	13.0	19.3
22	1007	6.0			0.87	5.3		25.9	13.0	19.3
22	1007	7.0			0.90	5.6		25.9	13.0	19.4
22	1007	8.0			0.91	5.7		25.9	13.0	19.4
22	1007	9.0			0.91	5.7		26.0	13.0	19.4
22	1007	10.0			0.91	5.7		26.0	13.0	19.4
22	1007	11.0			0.91	5.7		26.0	13.0	19.4
22	1007	12.0			0.93	5.8		26.0	13.0	19.4
22	1007	13.0			0.92	5.7		26.0	13.0	19.5
22	1007	14.0			0.91	5.7		26.1	13.0	19.5
22	1007	15.0			0.91	5.7		26.1	13.0	19.5
22	1007	16.0			0.91	5.7		26.1	13.0	19.5
22	1007	17.0			0.92	5.8		26.1	13.0	19.5
22	1007	18.0			0.95	6.0		26.1	13.0	19.5
22	1007	19.0			0.96	6.1		26.1	13.0	19.6
22	1007	20.0			0.97	6.2		26.2	13.0	19.6
21	958	1.0	5.3	0.54	0.88	5.5	1.8	24.2	13.4	18.0
21	958	2.0			0.88	5.5		24.5	13.3	18.2
21	958	3.0			0.89	5.5		24.6	13.3	18.3
21	958	4.0			0.90	5.6		24.6	13.3	18.3
21	958	5.0			0.90	5.6		24.7	13.3	18.4
21	958	6.0			0.96	6.1		24.9	13.2	18.5
21	958	7.0			0.94	5.9		25.4	13.0	19.0
21	958	8.0			0.97	6.2		26.2	12.9	19.6
21	958	9.0			0.99	6.3		26.3	12.9	19.7
21	958	10.0			0.96	6.1		26.4	12.8	19.8
21	958	11.0			0.96	6.1		26.4	12.8	19.8
21	958	12.0			0.97	6.2		26.5	12.8	19.8
21	958	13.0			0.95	6.0		26.5	12.8	19.8
21	958	14.0			0.96	6.1		26.5	12.8	19.8
21	958	15.0			0.95	6.0		26.5	12.8	19.8
21	958	16.0			0.96	6.1		26.5	12.8	19.8
21	958	17.0			0.95	6.0		26.5	12.8	19.8
21	958	18.0	7.4	0.45	0.92	5.8		26.5	12.8	19.8

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  10    0.96    -1.8    8.21    1.9

LOCATION: North San Francisco Bay  
 DATE: April 12, 1989  
 JULIAN DAY: 89102

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657	1851	1.0	1.2	0.53	0.47	1.0	2.0	0.1	18.4	0.0
657	1851	2.0			0.47	1.0		0.1	18.4	0.0
657	1851	3.0			0.46	1.0		0.1	18.4	0.0
657	1851	4.0			0.47	1.0		0.1	18.4	0.0
657	1851	5.0			0.47	1.0		0.1	18.4	0.0
657	1851	6.0			0.47	1.0		0.1	18.4	0.0
657	1851	7.0			0.47	1.0		0.1	18.4	0.0
657	1851	8.0			0.47	1.0		0.1	18.4	0.0
657	1851	9.0	1.3	0.45	0.47	1.0		0.1	18.4	0.0
657	1851	10.0			0.46	0.9		0.1	18.4	0.0
653	1819	1.0			0.47	1.0	2.0	0.1	18.3	0.0
653	1819	2.0			0.47	1.0		0.1	18.3	0.0
653	1819	3.0			0.46	0.9		0.1	18.3	0.0
653	1819	4.0			0.47	1.0		0.1	18.3	0.0
653	1819	5.0			0.47	1.0		0.1	18.3	0.0
653	1819	6.0			0.47	1.0		0.1	18.3	0.0
653	1819	7.0			0.47	1.0		0.1	18.3	0.0
653	1819	8.0			0.47	1.0		0.1	18.3	0.0
653	1819	9.0			0.47	1.0		0.1	18.3	0.0
653	1819	10.0			0.47	1.0		0.1	18.3	0.0
649	1741	1.0			0.50	1.2	3.1	0.1	18.0	0.0
649	1741	2.0			0.50	1.2		0.1	18.0	0.0
649	1741	3.0			0.50	1.2		0.1	18.1	0.0
649	1741	4.0			0.51	1.2		0.1	18.1	0.0
649	1741	5.0			0.52	1.3		0.1	18.0	0.0
649	1741	6.0			0.52	1.3		0.1	18.0	0.0
649	1741	7.0			0.53	1.4		0.1	18.0	0.0
649	1741	8.0			0.54	1.5		0.1	18.0	0.0
649	1741	9.0			0.55	1.5		0.1	18.0	0.0
649	1741	10.0			0.55	1.5		0.1	18.0	0.0
649	1741	11.0			0.54	1.4		0.1	18.0	0.0
2	1717	1.0	2.2	0.52	0.62	2.0	2.5	0.1	18.3	0.0
2	1717	2.0			0.62	2.0		0.1	18.2	0.0
2	1717	3.0			0.62	2.0		0.1	18.2	0.0
2	1717	4.0			0.62	1.9		0.1	18.1	0.0
2	1717	5.0			0.62	1.9		0.1	18.1	0.0
2	1717	6.0			0.63	2.0		0.1	18.1	0.0
2	1717	7.0			0.62	2.0		0.1	18.1	0.0
2	1717	8.0			0.63	2.0		0.1	18.1	0.0
2	1717	9.0			0.63	2.0		0.1	18.1	0.0
2	1717	10.0			0.63	2.0		0.1	18.1	0.0
2	1717	11.0	2.6	0.64	0.63	2.0		0.1	18.0	0.0
2	1717	11.0			0.62	2.0		0.1	18.0	0.0
3	1659	1.0			0.60	1.8	3.6	0.1	18.2	0.0
3	1659	2.0			0.60	1.8		0.1	18.2	0.0
3	1659	3.0			0.61	1.9		0.1	18.2	0.0
3	1659	4.0			0.60	1.8		0.1	18.2	0.0
3	1659	5.0			0.61	1.9		0.1	18.2	0.0
3	1659	6.0			0.61	1.9		0.1	18.2	0.0
3	1659	7.0			0.61	1.9		0.1	18.2	0.0
3	1659	8.0			0.61	1.9		0.1	18.2	0.0
3	1659	9.0			0.62	2.0		0.1	18.2	0.0
3	1659	10.0			0.63	2.0		0.1	18.1	0.0
4	1559	1.0	2.5	0.61	0.58	1.7	3.8	0.1	17.7	0.0
4	1559	2.0			0.58	1.7		0.1	17.7	0.0
4	1559	3.0			0.58	1.7		0.1	17.7	0.0
4	1559	4.0			0.59	1.8		0.1	17.7	0.0
4	1559	5.0			0.59	1.8		0.1	17.7	0.0
4	1559	6.0			0.60	1.8		0.1	17.7	0.0
4	1559	7.0			0.59	1.8		0.1	17.7	0.0
4	1559	8.0			0.60	1.8		0.1	17.7	0.0
4	1559	9.0			0.60	1.9		0.1	17.7	0.0
4	1559	9.0			0.60	1.9		0.1	17.7	0.0

LOCATION: North San Francisco Bay  
 DATE: April 12, 1989  
 JULIAN DAY: 89102

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
4	1559	10.0	1.7	0.36	0.60	1.9		0.1	17.7	0.0
5	1531	1.0			0.59	1.8	3.9	0.2	18.1	0.0
5	1531	2.0			0.59	1.8		0.2	18.1	0.0
5	1531	3.0			0.59	1.8		0.2	18.1	0.0
5	1531	4.0			0.59	1.8		0.2	18.1	0.0
5	1531	5.0			0.60	1.8		0.2	18.1	0.0
5	1531	6.0			0.60	1.8		0.2	18.1	0.0
5	1531	7.0			0.60	1.9		0.2	18.1	0.0
5	1531	8.0			0.61	1.9		0.2	18.1	0.0
5	1531	9.0			0.61	1.9		0.2	18.1	0.0
5	1531	10.0			0.61	1.9		0.2	18.1	0.0
5	1531	11.0			0.60	1.9		0.2	18.1	0.0
6	1449	1.0	0.9	0.22	0.58	1.7	5.7	0.6	18.1	0.0
6	1449	2.0			0.58	1.7		0.6	18.1	0.0
6	1449	3.0			0.58	1.7		0.6	18.0	0.0
6	1449	4.0			0.59	1.7		0.6	18.0	0.0
6	1449	5.0			0.59	1.8		0.6	18.0	0.0
6	1449	6.0			0.59	1.8		0.6	18.0	0.0
6	1449	7.0			0.59	1.8		0.6	18.0	0.0
6	1449	8.0			0.60	1.8		0.6	18.0	0.0
6	1449	9.0			0.60	1.8		0.6	18.0	0.0
6	1449	10.0			0.60	1.8		0.7	18.0	0.0
6	1449	11.0	0.6	0.15	0.60	1.9		0.7	18.0	0.0
7	1409	1.0			0.57	1.7	6.8	3.4	17.5	1.3
7	1409	2.0			0.57	1.7		3.3	17.5	1.2
7	1409	3.0			0.58	1.7		3.2	17.5	1.1
7	1409	4.0			0.58	1.7		3.1	17.5	1.1
7	1409	5.0			0.58	1.7		3.2	17.5	1.1
7	1409	6.0			0.59	1.8		3.2	17.4	1.2
7	1409	7.0			0.60	1.8		3.4	17.4	1.3
7	1409	8.0			0.61	1.9		3.5	17.4	1.4
7	1409	9.0			0.62	1.9		3.5	17.4	1.4
7	1409	10.0			0.62	1.9		3.5	17.4	1.4
7	1409	11.0			0.61	1.9		3.5	17.4	1.4
7	1409	12.0			0.61	1.9		3.5	17.4	1.4
7	1409	13.0			0.61	1.9		3.5	17.4	1.4
7	1409	14.0			0.61	1.9		3.5	17.4	1.4
7	1409	15.0			0.60	1.9		3.6	17.4	1.4
8	1335	1.0	1.8	0.30	0.68	2.4	7.4	4.6	17.5	2.2
8	1335	2.0			0.68	2.4		4.8	17.4	2.4
8	1335	3.0			0.67	2.3		5.1	17.3	2.6
8	1335	4.0			0.67	2.3		5.2	17.4	2.7
8	1335	5.0			0.67	2.3		5.2	17.3	2.7
8	1335	6.0			0.65	2.2		5.5	17.3	2.9
8	1335	7.0			0.65	2.1		5.9	17.3	3.2
8	1335	8.0			0.64	2.1		5.9	17.3	3.3
8	1335	9.0			0.64	2.1		6.0	17.3	3.3
8	1335	10.0			0.63	2.0		6.0	17.3	3.3
8	1335	11.0			0.62	2.0		6.0	17.3	3.3
8	1335	12.0			0.62	2.0		6.0	17.3	3.3
8	1335	13.0			0.62	1.9		6.0	17.3	3.3
8	1335	14.0			0.61	1.9		6.0	17.3	3.3
8	1335	15.0	1.9	0.26	0.61	1.9		6.0	17.3	3.3
9	1300	1.0			0.63	2.1	3.8	8.0	17.2	4.8
9	1300	2.0			0.63	2.1		9.0	17.3	5.6
9	1300	3.0			0.63	2.1		9.5	17.3	6.0
9	1300	4.0			0.66	2.2		9.5	17.3	6.0
9	1300	5.0			0.65	2.2		9.5	17.3	6.0
9	1300	6.0			0.66	2.2		9.5	17.3	6.0
9	1300	7.0			0.66	2.2		9.5	17.3	6.0

LOCATION: North San Francisco Bay  
 DATE: April 12, 1989  
 JULIAN DAY: 89102

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9	1300	8.0			0.65	2.1		9.7	17.3	6.1
9	1300	9.0			0.65	2.2		9.6	17.3	6.1
9	1300	10.0			0.64	2.1		9.8	17.3	6.2
9	1300	11.0			0.64	2.1		9.8	17.3	6.2
9	1300	12.0			0.63	2.0		9.9	17.3	6.3
9	1300	13.0			0.62	2.0		9.9	17.3	6.3
9	1300	14.0			0.62	2.0		9.9	17.3	6.3
9	1300	15.0			0.62	2.0		9.9	17.3	6.3
9	1300	16.0			0.61	1.9		9.9	17.3	6.3
9	1300	17.0			0.62	1.9		9.9	17.3	6.3
9	1300	18.0			0.61	1.9		10.0	17.3	6.4
9	1300	19.0			0.62	1.9		10.0	17.3	6.3
9	1300	20.0			0.61	1.9		9.9	17.3	6.3
9	1300	21.0			0.61	1.9		9.8	17.3	6.2
9	1300	22.0			0.61	1.9		9.8	17.3	6.2
9	1300	23.0			0.60	1.8		9.8	17.3	6.2
9	1300	24.0			0.61	1.9		9.8	17.3	6.2
9	1300	25.0			0.60	1.8		9.8	17.3	6.2
9	1300	26.0			0.60	1.9		9.8	17.3	6.2
9	1300	27.0			0.60	1.8		9.8	17.3	6.2
9	1300	28.0			0.60	1.8		9.9	17.3	6.3
10	1240	1.0	2.2	0.43	0.71	2.6	3.1	10.1	17.3	6.5
10	1240	2.0			0.71	2.6		10.2	17.2	6.5
10	1240	3.0			0.71	2.6		10.6	17.2	6.8
10	1240	4.0			0.72	2.6		11.1	17.2	7.2
10	1240	5.0			0.73	2.7		11.7	17.2	7.7
10	1240	6.0			0.73	2.7		12.1	17.2	8.0
10	1240	7.0			0.73	2.6		12.7	17.2	8.4
10	1240	8.0			0.71	2.5		13.4	17.2	9.0
10	1240	9.0			0.72	2.6		14.0	17.1	9.4
10	1240	10.0			0.75	2.8		14.1	17.1	9.5
10	1240	11.0			0.73	2.7		14.2	17.1	9.6
10	1240	12.0			0.74	2.8		14.4	17.0	9.8
10	1240	13.0			0.76	2.9		14.5	17.0	9.8
10	1240	14.0			0.75	2.8		14.5	17.0	9.9
10	1240	15.0			0.75	2.8		14.8	17.0	10.1
10	1240	16.0			0.76	2.9		15.0	16.9	10.2
10	1240	17.0			0.78	3.0		15.5	16.9	10.7
10	1240	18.0	3.8	0.37	0.77	2.9		16.0	16.8	11.1
11	1203	1.0			0.77	2.9	2.4	14.0	17.0	9.5
11	1203	2.0			0.77	2.9		15.2	16.8	10.4
11	1203	3.0			0.78	3.0		15.9	16.7	11.0
11	1203	4.0			0.79	3.0		16.2	16.7	11.2
11	1203	5.0			0.80	3.1		16.6	16.6	11.5
11	1203	6.0			0.81	3.2		16.7	16.6	11.6
11	1203	7.0			0.82	3.3		17.0	16.6	11.8
11	1203	8.0			0.84	3.4		17.2	16.5	12.0
11	1203	9.0			0.85	3.5		17.3	16.5	12.1
11	1203	10.0			0.85	3.4		17.3	16.5	12.1
11	1203	11.0			0.83	3.3		17.3	16.5	12.1
11	1203	12.0			0.83	3.3		17.4	16.6	12.1
11	1203	13.0			0.84	3.4		17.4	16.6	12.1
11	1203	14.0			0.83	3.3		17.5	16.5	12.2
11	1203	15.0			0.85	3.5		17.8	16.5	12.4
11	1203	16.0			0.85	3.5		17.8	16.5	12.5
11	1203	17.0			0.85	3.5		17.8	16.5	12.5
13	1058	1.0			1.03	4.6	1.9	21.3	15.7	15.3
13	1058	2.0			1.03	4.6		21.7	15.6	15.6
13	1058	3.0			1.02	4.6		21.9	15.5	15.8
13	1058	4.0			1.01	4.5		22.2	15.4	16.0
13	1058	5.0			1.06	4.8		22.7	15.3	16.4
13	1058	6.0			1.04	4.7		23.4	15.2	17.0



LOCATION: North San Francisco Bay  
 DATE: April 12, 1989  
 JULIAN DAY: 89102

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
13	1058	7.0								
13	1058	8.0			1.08	4.9		23.8	15.1	17.4
13	1058	9.0			1.08	4.9		23.9	15.1	17.4
13	1058	9.0			1.13	5.3		23.9	15.1	17.4
13	1058	10.0			1.16	5.4		23.9	15.1	17.4
15	1009	1.0								
15	1009	2.0			0.97	4.3	1.5	17.7	16.0	12.5
15	1009	3.0			0.97	4.3		18.1	15.8	12.8
15	1009	4.0			0.97	4.2		18.4	15.7	13.0
15	1009	5.0			0.98	4.3		18.9	15.6	13.5
15	1009	6.0			1.00	4.4		19.9	15.5	14.2
15	1009	7.0			1.09	5.0		20.6	15.5	14.8
15	1009	8.0			1.12	5.2		21.3	15.4	15.4
15	1009	9.0			1.14	5.3		21.9	15.4	15.8
15	1009	10.0			1.15	5.4		22.0	15.4	15.9
15	1009	11.0			1.17	5.5		22.0	15.4	15.9
15	1009	12.0			1.12	5.2		22.3	15.3	16.2
15	1009	13.0			1.07	4.9		24.0	14.9	17.5
15	1009	14.0			1.08	4.9		25.1	14.8	18.4
15	1009	15.0			1.05	4.8		25.5	14.7	18.7
15	1009	16.0			1.02	4.6		25.8	14.6	19.0
15	1009	17.0			1.02	4.5		26.1	14.5	19.2
15	1009	18.0			1.00	4.4		26.3	14.5	19.4
15	1009	19.0			1.01	4.5		26.4	14.4	19.5
15	1009	20.0			1.06	4.8		26.4	14.4	19.5
15	1009	21.0			1.03	4.6		26.4	14.4	19.5
15	1009	22.0			1.05	4.8		26.4	14.4	19.5
15	1009	23.0			1.07	4.9		26.5	14.4	19.5
15	1009	24.0			1.06	4.8		26.5	14.4	19.5
					1.05	4.7		26.5	14.4	19.5

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  12      0.44      -2.0      6.46      0.7

LOCATION: South San Francisco Bay  
 DATE: April 13, 1989  
 JULIAN DAY: 89103

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	1637	1.0	13.3	0.78	2.18	15.2	1.8	24.7	19.2	17.1
32	1637	2.0			2.18	15.2		24.7	19.1	17.2
32	1637	3.0			2.19	15.3		24.7	19.1	17.2
32	1637	4.0			2.14	15.1		24.7	19.1	17.2
32	1637	5.0			2.25	15.4		24.8	18.9	17.3
32	1637	6.0			2.35	15.8		24.8	18.9	17.3
32	1637	7.0			2.46	16.1		24.8	18.9	17.3
32	1637	8.0	19.7	0.69	2.58	16.5		24.7	18.9	17.2
31	1627	1.0			1.85	14.2	2.2	24.7	19.0	17.2
31	1627	2.0			1.85	14.2		24.7	19.0	17.2
31	1627	3.0			1.86	14.2		24.7	19.0	17.2
31	1627	4.0			1.82	14.1		24.7	19.0	17.2
31	1627	5.0			1.84	14.1		24.7	19.0	17.2
31	1627	6.0			1.85	14.2		24.7	19.0	17.2
31	1627	7.0			1.88	14.3		24.7	19.0	17.2
31	1627	8.0			1.90	14.3		24.7	19.0	17.2
31	1627	9.0			1.93	14.4		24.7	19.0	17.2
31	1627	10.0			1.97	14.6		24.8	19.0	17.2
31	1627	11.0			1.98	14.6		24.7	19.0	17.2
31	1627	12.0			2.01	14.7		24.8	19.0	17.2
31	1627	13.0			2.07	14.9		24.8	18.9	17.2
31	1627	14.0			1.84	14.1		24.5	18.9	17.1
30	1608	1.0	14.0	0.76	2.03	14.8	1.8	24.8	19.3	17.2
30	1608	2.0			2.03	14.8		24.8	19.4	17.2
30	1608	3.0			2.05	14.8		24.8	19.3	17.2
30	1608	4.0			2.01	14.7		24.8	19.2	17.2
30	1608	5.0			1.97	14.6		24.8	19.1	17.2
30	1608	6.0			1.91	14.3		24.8	19.0	17.3
30	1608	7.0			1.96	14.5		24.8	19.2	17.2
30	1608	8.0			1.99	14.6		24.8	19.2	17.2
30	1608	9.0			1.97	14.6		24.8	19.0	17.3
30	1608	10.0			1.96	14.5		24.8	19.0	17.3
30	1608	11.0			1.95	14.5		24.8	19.0	17.3
30	1608	12.0			2.02	14.7		24.8	19.0	17.3
30	1608	13.0			2.01	14.7		24.8	19.0	17.3
30	1608	14.0			2.04	14.8		24.8	19.0	17.3
30	1608	15.0	13.4	0.59	2.06	14.8		24.8	19.0	17.3
29	1545	1.0			1.75	13.9	1.4	24.7	19.2	17.1
29	1545	2.0			1.75	13.9		24.7	19.1	17.1
29	1545	3.0			1.73	13.8		24.7	19.1	17.1
29	1545	4.0			1.71	13.7		24.7	19.1	17.2
29	1545	5.0			1.74	13.8		24.7	19.1	17.1
29	1545	6.0			1.63	13.5		24.8	18.9	17.3
29	1545	7.0			1.63	13.5		24.7	18.9	17.2
29	1545	8.0			1.57	13.3		24.7	18.9	17.2
29	1545	9.0			1.56	13.2		24.7	18.9	17.2
29	1545	10.0			1.52	13.1		24.7	18.9	17.2
29	1545	11.0			1.52	13.1		24.7	18.9	17.2
29	1545	12.0			1.56	13.2		24.7	18.9	17.2
29	1545	13.0			1.54	13.2		24.7	18.9	17.2
29	1545	14.0			1.57	13.3		24.7	18.9	17.2
29	1545	15.0			1.58	13.3		24.7	18.9	17.2
28	1530	1.0			1.72	13.7	1.2	24.6	18.9	17.1
28	1530	2.0			1.72	13.7		24.6	18.9	17.1
28	1530	3.0			1.71	13.7		24.6	18.9	17.1
28	1530	4.0			1.70	13.7		24.6	18.9	17.1
28	1530	5.0			1.65	13.5		24.7	18.8	17.2
28	1530	6.0			1.65	13.5		24.7	18.7	17.2
28	1530	7.0			1.58	13.3		24.6	18.7	17.2
28	1530	8.0			1.57	13.3		24.6	18.7	17.2
28	1530	9.0			1.54	13.2		24.6	18.7	17.2

LOCATION: South San Francisco Bay  
 DATE: April 13, 1989  
 JULIAN DAY: 89103

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	1530	10.0			1.55	13.2		24.6	18.7	17.2
28	1530	11.0			1.55	13.2		24.6	18.7	17.2
28	1530	12.0			1.58	13.3		24.6	18.7	17.2
28	1530	13.0			1.62	13.4		24.6	18.7	17.2
28	1530	14.0			1.60	13.4		24.6	18.6	17.2
28	1530	15.0			1.61	13.4		24.6	18.6	17.2
28	1530	16.0			1.72	13.7		24.6	18.6	17.2
27	1516	1.0	11.9	0.81	1.63	13.5	1.4	24.5	18.8	17.1
27	1516	2.0			1.63	13.5		24.5	18.7	17.1
27	1516	3.0			1.65	13.5		24.5	18.8	17.1
27	1516	4.0			1.61	13.4		24.5	18.8	17.1
27	1516	5.0			1.62	13.4		24.5	18.8	17.1
27	1516	6.0			1.64	13.5		24.6	18.6	17.1
27	1516	7.0			1.57	13.3		24.5	18.6	17.1
27	1516	8.0			1.58	13.3		24.5	18.6	17.1
27	1516	9.0			1.56	13.2		24.5	18.6	17.1
27	1516	10.0			1.58	13.3		24.5	18.6	17.1
27	1516	11.0			1.59	13.4		24.5	18.6	17.1
27	1516	12.0	13.5	0.66	1.59	13.3		24.5	18.6	17.1
26	1500	1.0			1.65	13.5	1.4	24.5	19.0	17.0
26	1500	2.0			1.65	13.5		24.5	18.8	17.1
26	1500	3.0			1.66	13.6		24.5	18.8	17.1
26	1500	4.0			1.70	13.7		24.5	18.8	17.1
26	1500	5.0			1.66	13.6		24.5	18.8	17.1
26	1500	6.0			1.66	13.6		24.5	18.5	17.2
26	1500	7.0			1.62	13.4		24.5	18.5	17.2
26	1500	8.0			1.66	13.6		24.5	18.5	17.1
26	1500	9.0			1.66	13.6		24.5	18.4	17.2
26	1500	10.0			1.65	13.5		24.5	18.3	17.2
25	1440	1.0			1.67	13.6	1.2	24.6	18.6	17.2
25	1440	2.0			1.67	13.6		24.6	18.0	17.3
25	1440	3.0			1.69	13.7		24.7	17.8	17.4
25	1440	4.0			1.66	13.6		24.8	17.5	17.6
25	1440	5.0			1.67	13.6		24.8	17.4	17.6
25	1440	6.0			1.64	13.5		24.8	17.3	17.6
25	1440	7.0			1.66	13.6		24.8	17.2	17.7
25	1440	8.0			1.80	14.0		24.8	17.2	17.6
24	1425	1.0	12.7	0.87	1.95	14.5	1.0	24.9	17.3	17.7
24	1425	2.0			1.95	14.5		25.0	16.8	17.9
24	1425	3.0			2.06	14.8		25.0	16.6	18.0
24	1425	4.0			2.07	14.9		25.2	16.4	18.1
24	1425	5.0			2.00	14.6		25.2	16.3	18.2
24	1425	6.0			1.97	14.5		25.3	16.2	18.2
24	1425	7.0			1.85	14.2		25.2	16.2	18.2
24	1425	8.0			1.83	14.1		25.2	16.2	18.2
24	1425	9.0			1.78	14.0		25.3	16.2	18.2
24	1425	10.0	14.5	0.79	1.76	13.9		25.3	16.1	18.2
23	1405	1.0			1.61	13.4	1.1	25.2	16.5	18.1
23	1405	2.0			1.61	13.4		25.2	16.4	18.2
23	1405	3.0			1.67	13.6		25.3	16.2	18.2
23	1405	4.0			1.64	13.5		25.3	16.2	18.3
23	1405	5.0			1.58	13.3		25.3	16.1	18.3
23	1405	6.0			1.60	13.4		25.4	16.1	18.4
23	1405	7.0			1.56	13.3		25.4	16.1	18.4
23	1405	8.0			1.52	13.1		25.4	16.0	18.4
23	1405	9.0			1.52	13.1		25.4	16.0	18.4
23	1405	10.0			1.52	13.1		25.4	16.0	18.4
23	1405	11.0			1.46	12.9		25.4	16.0	18.4
23	1405	12.0			1.46	12.9		25.4	16.0	18.4
23	1405	13.0			1.50	13.1		25.4	16.0	18.4

LOCATION: South San Francisco Bay  
 DATE: April 13, 1989  
 JULIAN DAY: 89103

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
23	1405	14.0								
23	1405	15.0			1.46	12.9		25.4	16.0	18.4
					1.46	12.9		25.4	16.0	18.4
22	1342	1.0			1.35	12.6	0.8	25.6	15.6	18.6
22	1342	2.0			1.35	12.6		25.6	15.6	18.6
22	1342	3.0			1.36	12.6		25.6	15.6	18.6
22	1342	4.0			1.33	12.5		25.6	15.6	18.6
22	1342	5.0			1.32	12.5		25.6	15.5	18.6
22	1342	6.0			1.28	12.4		25.6	15.5	18.6
22	1342	7.0			1.26	12.3		25.6	15.4	18.6
22	1342	8.0			1.31	12.4		25.6	15.4	18.6
22	1342	9.0			1.29	12.4		25.6	15.4	18.6
22	1342	10.0			1.24	12.2		25.6	15.4	18.7
22	1342	11.0			1.26	12.3		25.6	15.4	18.7
22	1342	12.0			1.23	12.2		25.6	15.4	18.7
22	1342	13.0			1.27	12.3		25.8	15.3	18.8
22	1342	14.0			1.24	12.2		26.0	15.1	19.0
22	1342	15.0			1.25	12.2		26.4	14.8	19.4
22	1342	16.0			1.22	12.2		26.8	14.5	19.8
22	1342	17.0			1.15	11.9		27.3	14.2	20.2
								27.7	14.0	20.5
21	1326	1.0	14.9	0.80	1.63	13.5	1.0	25.2	16.2	18.2
21	1326	2.0			1.63	13.5		25.3	16.2	18.2
21	1326	3.0			1.63	13.5		25.3	16.2	18.2
21	1326	4.0			1.64	13.5		25.3	16.2	18.3
21	1326	5.0			1.69	13.6		25.3	16.1	18.3
21	1326	6.0			1.66	13.6		25.3	16.1	18.3
21	1326	7.0			1.64	13.5		25.4	16.1	18.3
21	1326	8.0			1.65	13.5		25.4	16.1	18.4
21	1326	9.0			1.64	13.5		25.5	16.1	18.4
21	1326	10.0			1.64	13.5		25.5	16.0	18.5
21	1326	11.0			1.62	13.4		25.6	16.0	18.5
21	1326	12.0			1.65	13.5		25.6	16.0	18.6
21	1326	13.0			1.65	13.5		25.7	15.9	18.7
21	1326	14.0			1.63	13.5		25.8	15.8	18.7
21	1326	15.0			1.55	13.2		25.9	15.6	18.9
21	1326	16.0			1.52	13.1		26.4	15.0	19.3
21	1326	17.0			1.51	13.1		27.5	14.2	20.4
21	1326	18.0	15.1	0.82	1.42	12.8		28.6	13.3	21.4
								28.9	13.2	21.6

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
    10      0.27      8.3      3.20      1.9

LOCATION: South San Francisco Bay  
 DATE: April 19, 1989  
 JULIAN DAY: 89109

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	1217	1.0	9.1	0.76	1.36	10.8	2.1	24.7	18.8	17.2
32	1217	2.0			1.36	10.8		24.7	18.7	17.3
32	1217	3.0			1.33	10.6		24.8	18.5	17.3
32	1217	4.0			1.31	10.4		24.8	18.5	17.3
32	1217	5.0			1.30	10.4		24.8	18.5	17.3
32	1217	6.0			1.32	10.5		24.7	18.5	17.3
32	1217	7.0			1.32	10.5		24.7	18.5	17.3
32	1217	8.0			1.37	10.8		24.7	18.5	17.3
32	1217	9.0			1.38	10.9		24.8	18.5	17.3
32	1217	10.0			1.40	11.0		24.8	18.5	17.3
32	1217	11.0			1.41	11.1		24.8	18.5	17.3
32	1217	12.0			1.44	11.3		24.8	18.5	17.3
31	1203	1.0			1.32	10.5	2.1	24.7	18.6	17.3
31	1203	2.0			1.32	10.5		24.7	18.4	17.3
31	1203	3.0			1.29	10.3		24.7	18.4	17.4
31	1203	4.0			1.28	10.3		24.8	18.4	17.4
31	1203	5.0			1.27	10.2		24.7	18.3	17.4
31	1203	6.0			1.27	10.2		24.7	18.3	17.4
31	1203	7.0			1.25	10.1		24.7	18.3	17.4
31	1203	8.0			1.24	10.0		24.7	18.3	17.4
31	1203	9.0			1.24	10.0		24.7	18.3	17.4
31	1203	10.0			1.25	10.1		24.7	18.3	17.4
31	1203	11.0			1.23	10.0		24.7	18.3	17.4
31	1203	12.0			1.24	10.0		24.7	18.3	17.4
31	1203	13.0			1.27	10.2		24.7	18.3	17.4
31	1203	14.0			1.30	10.4		24.7	18.3	17.4
30	1145	1.0	10.0	0.74	1.58	12.2	1.8	24.7	18.8	17.2
30	1145	2.0			1.58	12.2		24.7	18.7	17.3
30	1145	3.0			1.55	12.0		24.8	18.5	17.3
30	1145	4.0			1.53	11.9		24.8	18.4	17.4
30	1145	5.0			1.48	11.5		24.8	18.3	17.4
30	1145	6.0			1.44	11.3		24.8	18.2	17.4
30	1145	7.0			1.41	11.1		24.8	18.1	17.4
30	1145	8.0			1.41	11.1		24.8	18.1	17.4
30	1145	9.0			1.39	11.0		24.7	18.1	17.4
30	1145	10.0			1.39	11.0		24.7	18.1	17.4
30	1145	11.0			1.35	10.7		24.7	18.1	17.4
30	1145	12.0			1.34	10.6		24.7	18.1	17.4
30	1145	13.0			1.32	10.6		24.7	18.1	17.4
30	1145	14.0			1.34	10.6		24.7	18.1	17.4
30	1145	15.0			1.32	10.5		24.7	18.1	17.4
29	1124	1.0			1.43	11.2	2.4	24.8	18.0	17.4
29	1124	2.0			1.43	11.2		24.8	17.9	17.5
29	1124	3.0			1.41	11.1		24.8	17.9	17.5
29	1124	4.0			1.37	10.8		24.8	17.8	17.5
29	1124	5.0			1.35	10.7		24.8	17.8	17.5
29	1124	6.0			1.34	10.6		24.8	17.8	17.5
29	1124	7.0			1.34	10.7		24.8	17.8	17.5
29	1124	8.0			1.33	10.6		24.8	17.8	17.5
29	1124	9.0			1.33	10.6		24.8	17.8	17.5
29	1124	10.0			1.34	10.7		24.8	17.8	17.5
29	1124	11.0			1.34	10.6		24.8	17.8	17.5
29	1124	12.0			1.32	10.5		24.8	17.8	17.5
29	1124	13.0			1.32	10.5		24.8	17.8	17.5
29	1124	14.0			1.34	10.6		24.8	17.8	17.5
29	1124	15.0			1.38	10.9		24.8	17.8	17.5
28	1111	1.0			1.50	11.6	2.7	24.8	17.8	17.5
28	1111	2.0			1.50	11.6		24.8	17.7	17.5
28	1111	3.0			1.51	11.7		24.8	17.7	17.5
28	1111	4.0			1.50	11.7		24.8	17.7	17.5
28	1111	5.0			1.52	11.8		24.8	17.7	17.5

LOCATION: South San Francisco Bay  
 DATE: April 19, 1989  
 JULIAN DAY: 89109

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	1111	6.0								
28	1111	7.0			1.52	11.8		24.8	17.7	17.5
28	1111	8.0			1.52	11.8		24.8	17.7	17.6
28	1111	9.0			1.52	11.8		24.8	17.7	17.6
28	1111	10.0			1.51	11.7		24.8	17.6	17.6
28	1111	11.0			1.50	11.7		24.8	17.6	17.6
28	1111	12.0			1.53	11.8		24.8	17.5	17.6
28	1111	13.0			1.52	11.8		24.9	17.5	17.6
28	1111	14.0			1.54	11.9		24.9	17.5	17.6
28	1111	15.0			1.52	11.8		24.9	17.5	17.6
					1.56	12.0		24.9	17.5	17.6
27	1100	1.0	12.7	0.80	1.60	12.3	1.5	25.0	17.5	17.7
27	1100	2.0			1.60	12.3		25.1	17.2	17.9
27	1100	3.0			1.62	12.4		25.1	17.2	17.9
27	1100	4.0			1.57	12.1		25.1	17.2	17.9
27	1100	5.0			1.58	12.1		25.1	17.2	17.9
27	1100	6.0			1.57	12.1		25.1	17.2	17.9
27	1100	7.0			1.59	12.2		25.1	17.2	17.9
27	1100	8.0			1.57	12.1		25.1	17.1	17.9
27	1100	9.0			1.61	12.4		25.1	17.0	18.0
27	1100	10.0			1.60	12.3		25.1	17.0	18.0
27	1100	11.0			1.61	12.4		25.1	17.0	18.0
27	1100	12.0			1.66	12.7		25.1	17.0	18.0
27	1100	13.0			1.61	12.4		25.2	17.0	18.0
27	1100	14.0	13.0	0.58	1.67	12.7		25.2	17.0	18.0
26	1044	1.0			1.55	11.9	1.8	25.4	16.7	18.3
26	1044	2.0			1.55	11.9		25.4	16.6	18.3
26	1044	3.0			1.55	12.0		25.4	16.6	18.3
26	1044	4.0			1.56	12.1		25.4	16.6	18.3
26	1044	5.0			1.56	12.0		25.4	16.6	18.3
26	1044	6.0			1.53	11.8		25.4	16.6	18.3
26	1044	7.0			1.60	12.3		25.4	16.6	18.3
26	1044	8.0			1.61	12.3		25.4	16.6	18.3
26	1044	9.0			1.69	12.9		25.4	16.6	18.3
26	1044	10.0			1.70	12.9		25.4	16.6	18.3
25	1027	1.0			1.61	12.4	1.9	26.0	16.0	18.8
25	1027	2.0			1.61	12.4		26.0	16.0	18.8
25	1027	3.0			1.61	12.4		26.0	15.9	18.9
25	1027	4.0			1.67	12.7		26.0	15.9	18.9
25	1027	5.0			1.68	12.8		26.0	15.9	18.9
25	1027	6.0			1.78	13.4		26.0	15.9	18.9
25	1027	7.0			1.75	13.2		26.0	15.9	18.9
25	1027	8.0			1.80	13.6		26.0	15.9	18.9
25	1027	9.0			1.85	13.9		26.0	15.9	18.9
24	1012	1.0	13.8	0.82	1.53	11.8	1.3	26.1	15.9	18.9
24	1012	2.0			1.53	11.8		26.4	15.4	19.3
24	1012	3.0			1.52	11.8		26.5	15.2	19.4
24	1012	4.0			1.49	11.6		26.6	15.2	19.5
24	1012	5.0			1.47	11.5		26.6	15.2	19.5
24	1012	6.0			1.47	11.5		26.6	15.1	19.5
24	1012	7.0			1.53	11.8		26.6	15.1	19.5
24	1012	8.0			1.50	11.7		26.6	15.1	19.5
24	1012	9.0			1.51	11.8		26.6	15.1	19.5
24	1012	10.0			1.61	12.3		26.6	15.1	19.5
23	1000	1.0			1.41	11.1	1.1	26.1	15.8	19.0
23	1000	2.0			1.41	11.1		26.5	15.3	19.4
23	1000	3.0			1.42	11.2		26.7	15.1	19.5
23	1000	4.0			1.35	10.7		26.7	15.0	19.6
23	1000	5.0			1.38	10.9		26.8	15.0	19.7
23	1000	6.0			1.38	10.9		26.8	14.9	19.7
23	1000	7.0			1.39	10.9		26.8	14.9	19.7

LOCATION: South San Francisco Bay  
 DATE: April 19, 1989  
 JULIAN DAY: 89109

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
23	1000	8.0			1.41	11.1		26.8	14.9	19.7
23	1000	9.0			1.40	11.0		26.8	14.9	19.7
23	1000	10.0			1.43	11.2		26.8	14.9	19.7
23	1000	11.0			1.40	11.1		26.8	14.9	19.7
23	1000	12.0			1.46	11.4		26.8	14.9	19.7
23	1000	13.0			1.49	11.6		26.8	14.9	19.7
23	1000	14.0			1.51	11.7		26.8	14.9	19.7
23	1000	15.0			1.51	11.7		26.8	14.9	19.7
22	943	1.0			1.25	10.1	1.0	27.2	14.7	20.0
22	943	2.0			1.25	10.1		27.2	14.6	20.1
22	943	3.0			1.25	10.1		27.3	14.6	20.1
22	943	4.0			1.31	10.5		27.3	14.6	20.1
22	943	5.0			1.31	10.4		27.3	14.5	20.1
22	943	6.0			1.33	10.6		27.3	14.5	20.1
22	943	7.0			1.33	10.6		27.3	14.5	20.1
22	943	8.0			1.36	10.8		27.3	14.5	20.1
22	943	9.0			1.34	10.7		27.3	14.5	20.2
22	943	10.0			1.37	10.9		27.3	14.5	20.2
22	943	11.0			1.35	10.7		27.3	14.5	20.2
22	943	12.0			1.36	10.8		27.3	14.5	20.2
22	943	13.0			1.39	11.0		27.3	14.5	20.2
22	943	14.0			1.39	11.0		27.3	14.5	20.2
22	943	15.0			1.42	11.1		27.3	14.5	20.2
22	943	16.0			1.37	10.8		27.3	14.5	20.2
22	943	17.0			1.40	11.0		27.3	14.5	20.2
22	943	18.0			1.40	11.0		27.3	14.5	20.2
21	930	1.0	11.8	0.87	1.33	10.6	0.9	26.5	14.9	19.4
21	930	2.0			1.33	10.6		26.8	15.0	19.6
21	930	3.0			1.35	10.7		27.1	14.8	19.9
21	930	4.0			1.33	10.6		27.2	14.7	20.0
21	930	5.0			1.32	10.5		27.2	14.6	20.1
21	930	6.0			1.29	10.4		27.3	14.6	20.1
21	930	7.0			1.31	10.5		27.3	14.6	20.2
21	930	8.0			1.30	10.4		27.4	14.5	20.2
21	930	9.0			1.26	10.1		27.4	14.5	20.2
21	930	10.0			1.29	10.3		27.4	14.5	20.2
21	930	11.0			1.33	10.6		27.4	14.5	20.2
21	930	12.0			1.31	10.5		27.4	14.5	20.2
21	930	13.0			1.39	11.0		27.4	14.5	20.2
21	930	14.0			1.34	10.6		27.4	14.5	20.2
21	930	15.0			1.36	10.7		27.4	14.5	20.2
21	930	16.0			1.35	10.7		27.4	14.5	20.2
21	930	17.0			1.39	11.0		27.4	14.5	20.2
21	930	18.0			1.47	11.5		27.4	14.5	20.2

Fluorometer Calibration:

n	r <sup>2</sup>	A	B	Syx
6	0.22	2.2	6.32	1.8

LOCATION: South San Francisco Bay  
 DATE: April 25, 1989  
 JULIAN DAY: 89115

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
32	1230	1.0	3.1	0.52	0.76	3.5	2.1	24.2	16.5	17.4
32	1230	2.0			0.76	3.5		24.2	16.5	17.4
32	1230	3.0			0.76	3.5		24.2	16.5	17.4
32	1230	4.0			0.75	3.4		24.2	16.5	17.4
32	1230	5.0			0.74	3.3		24.2	16.4	17.4
32	1230	6.0			0.73	3.2		24.3	16.4	17.4
32	1230	7.0			0.73	3.1		24.3	16.4	17.5
32	1230	8.0			0.74	3.2		24.4	16.4	17.5
32	1230	9.0			0.74	3.3		24.4	16.4	17.6
32	1230	10.0			0.75	3.4		24.4	16.4	17.6
32	1230	11.0			0.76	3.5		24.4	16.4	17.6
31	1218	1.0			0.74	3.2	2.1	24.5	16.9	17.5
31	1218	2.0			0.74	3.2		24.5	16.9	17.5
31	1218	3.0			0.72	3.1		24.5	16.9	17.5
31	1218	4.0			0.70	2.8		24.6	16.8	17.6
31	1218	5.0			0.69	2.7		24.6	16.8	17.6
31	1218	6.0			0.67	2.5		24.6	16.8	17.6
31	1218	7.0			0.66	2.3		24.6	16.8	17.6
31	1218	8.0			0.66	2.3		24.6	16.8	17.6
31	1218	9.0			0.65	2.2		24.7	16.8	17.6
31	1218	10.0			0.67	2.4		24.7	16.5	17.7
31	1218	11.0			0.68	2.5		24.7	16.4	17.7
31	1218	12.0			0.69	2.7		24.7	16.4	17.7
30	1200	1.0	3.2	0.52	0.70	2.8	2.2	24.8	17.2	17.6
30	1200	2.0			0.70	2.8		24.8	17.2	17.7
30	1200	3.0			0.70	2.8		24.8	17.2	17.7
30	1200	4.0			0.69	2.7		24.8	17.1	17.7
30	1200	5.0			0.69	2.7		24.8	17.0	17.7
30	1200	6.0			0.68	2.6		24.8	17.0	17.7
30	1200	7.0			0.67	2.5		24.8	16.9	17.7
30	1200	8.0			0.67	2.5		24.8	16.9	17.7
30	1200	9.0			0.67	2.5		24.8	16.8	17.7
30	1200	10.0			0.66	2.3		24.8	16.7	17.7
30	1200	11.0			0.64	2.1		24.8	16.7	17.8
30	1200	12.0			0.66	2.3		24.8	16.6	17.8
30	1200	13.0			0.69	2.6		24.8	16.5	17.8
30	1200	14.0			0.71	3.0		24.8	16.5	17.8
29	1138	1.0			0.78	3.8	2.1	24.9	17.1	17.7
29	1138	2.0			0.78	3.8		24.9	17.1	17.8
29	1138	3.0			0.78	3.8		24.9	17.1	17.8
29	1138	4.0			0.78	3.7		24.9	17.1	17.8
29	1138	5.0			0.80	4.0		25.0	17.1	17.8
29	1138	6.0			0.83	4.3		25.0	17.1	17.9
29	1138	7.0			0.84	4.4		25.1	17.0	17.9
29	1138	8.0			0.87	4.8		25.1	17.0	18.0
29	1138	9.0			0.89	5.0		25.1	17.0	18.0
29	1138	10.0			0.96	5.8		25.2	16.9	18.0
29	1138	11.0			0.99	6.1		25.2	16.9	18.1
29	1138	12.0			1.05	6.9		25.3	16.9	18.1
29	1138	13.0			1.13	7.7		25.3	16.9	18.1
28	1124	1.0			1.00	6.3	2.6	25.1	17.1	17.9
28	1124	2.0			1.00	6.3		25.1	17.1	17.9
28	1124	3.0			1.00	6.3		25.1	17.1	17.9
28	1124	4.0			1.00	6.3		25.0	17.1	17.9
28	1124	5.0			1.00	6.2		25.0	17.1	17.9
28	1124	6.0			1.03	6.6		25.1	17.1	17.9
28	1124	7.0			1.01	6.4		25.1	17.1	17.9
28	1124	8.0			1.05	6.8		25.1	17.0	17.9
28	1124	9.0			1.02	6.5		25.1	16.9	18.0
28	1124	10.0			1.01	6.4		25.2	16.9	18.0
28	1124	11.0			0.96	5.9		25.2	16.9	18.0



LOCATION: South San Francisco Bay  
 DATE: April 25, 1989  
 JULIAN DAY: 89115

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	1124	12.0			0.95	5.7				
28	1124	13.0			0.96	5.8		25.2	16.8	18.0
								25.2	16.8	18.1
27	1109	1.0	7.5	0.65	1.13	7.7	2.5	25.2	17.1	17.9
27	1109	2.0			1.13	7.7		25.2	17.1	18.0
27	1109	3.0			1.12	7.7		25.2	17.1	18.0
27	1109	4.0			1.11	7.6		25.2	17.1	18.0
27	1109	5.0			1.12	7.7		25.2	17.1	18.0
27	1109	6.0			1.12	7.7		25.2	17.1	18.0
27	1109	7.0			1.14	7.9		25.2	17.1	18.0
27	1109	8.0			1.19	8.5		25.3	17.0	18.1
27	1109	9.0			1.25	9.1		25.3	17.0	18.1
27	1109	10.0			1.28	9.5		25.4	16.9	18.2
27	1109	11.0	10.7	0.61	1.35	10.3		25.6	16.8	18.3
26	1057	1.0			1.33	10.1	2.4	25.4	16.9	18.2
26	1057	2.0			1.33	10.1		25.4	16.9	18.2
26	1057	3.0			1.34	10.2		25.4	16.9	18.2
26	1057	4.0			1.37	10.6		25.4	16.9	18.2
26	1057	5.0			1.38	10.7		25.4	16.9	18.2
26	1057	6.0			1.43	11.2		25.4	16.9	18.2
26	1057	7.0			1.45	11.5		25.5	16.8	18.3
26	1057	8.0			1.47	11.7		25.5	16.8	18.3
26	1057	9.0			1.51	12.2		25.6	16.8	18.4
25	1033	1.0			1.64	13.7	3.1	25.7	16.5	18.5
25	1033	2.0			1.64	13.7		25.7	16.5	18.5
25	1033	3.0			1.64	13.6		25.7	16.5	18.5
25	1033	4.0			1.66	13.9		25.8	16.5	18.6
25	1033	5.0			1.69	14.3		25.8	16.4	18.6
25	1033	6.0			1.69	14.3		25.8	16.4	18.6
25	1033	7.0			1.70	14.4		25.8	16.4	18.6
24	1014	1.0	16.9	0.74	1.89	16.6	2.6	26.3	15.9	19.1
24	1014	2.0			1.89	16.6		26.3	15.9	19.1
24	1014	3.0			1.88	16.4		26.3	15.9	19.1
24	1014	4.0			1.94	17.1		26.3	15.9	19.1
24	1014	5.0			1.96	17.4		26.3	15.9	19.1
24	1014	6.0			1.96	17.4		26.3	15.9	19.1
24	1014	7.0			1.96	17.4		26.3	15.9	19.1
24	1014	8.0			2.01	18.0		26.3	15.9	19.1
24	1014	9.0	17.0	0.69	1.97	17.5		26.3	15.9	19.1
23	954	1.0			1.71	14.5	2.4	26.4	15.9	19.2
23	954	2.0			1.71	14.5		26.4	15.9	19.2
23	954	3.0			1.74	14.8		26.4	15.9	19.2
23	954	4.0			1.71	14.5		26.4	15.9	19.2
23	954	5.0			1.73	14.8		26.5	15.8	19.2
23	954	6.0			1.77	15.2		26.5	15.8	19.3
23	954	7.0			1.77	15.1		26.6	15.8	19.3
23	954	8.0			1.82	15.7		26.6	15.8	19.3
23	954	9.0			1.82	15.7		26.6	15.8	19.3
23	954	10.0			1.83	15.9		26.6	15.8	19.3
23	954	11.0			1.84	16.0		26.6	15.8	19.3
23	954	12.0			1.83	15.9		26.6	15.7	19.3
23	954	13.0			1.84	15.9		26.6	15.7	19.3
23	954	14.0			1.78	15.3		26.6	15.7	19.3
22	932	1.0			1.59	13.1	1.8	27.1	15.3	19.8
22	932	2.0			1.59	13.1		27.1	15.3	19.8
22	932	3.0			1.57	12.9		27.1	15.3	19.8
22	932	4.0			1.57	12.9		27.1	15.3	19.8
22	932	5.0			1.59	13.1		27.1	15.3	19.8
22	932	6.0			1.61	13.3		27.1	15.3	19.8
22	932	7.0			1.65	13.8		27.1	15.3	19.8

LOCATION: South San Francisco Bay  
 DATE: April 25, 1989  
 JULIAN DAY: 89115

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22	932	8.0								
22	932	9.0			1.70	14.4		27.1	15.3	19.8
22	932	10.0			1.71	14.5		27.1	15.2	19.9
22	932	11.0			1.73	14.7		27.2	15.2	19.9
22	932	12.0			1.71	14.5		27.2	15.2	19.9
22	932	13.0			1.68	14.1		27.3	15.1	20.0
22	932	14.0			1.69	14.3		27.3	15.1	20.0
22	932	15.0			1.65	13.8		27.4	15.1	20.1
22	932	16.0			1.68	14.2		27.4	15.0	20.1
					1.65	13.8		27.5	15.0	20.2
21	911	1.0								
21	911	2.0			1.90	16.7	2.3	26.7	15.6	19.5
21	911	3.0			1.90	16.7		26.7	15.6	19.5
21	911	4.0			1.89	16.5		26.8	15.6	19.5
21	911	5.0			1.88	16.5		26.8	15.5	19.5
21	911	6.0			1.96	17.3		26.8	15.5	19.6
21	911	7.0			1.97	17.5		26.9	15.5	19.6
21	911	8.0			2.01	17.9		27.0	15.4	19.7
21	911	9.0			1.98	17.6		27.0	15.4	19.8
21	911	10.0			1.98	17.7		27.1	15.3	19.8
21	911	11.0			1.96	17.4		27.1	15.3	19.8
21	911	12.0			1.96	17.4		27.1	15.3	19.8
21	911	13.0			2.00	17.8		27.1	15.3	19.8
21	911	14.0			1.99	17.7		27.1	15.3	19.9
21	911	15.0			1.97	17.5		27.2	15.3	19.9
21	911	16.0			2.02	18.0		27.2	15.2	20.0
					2.01	17.9		27.2	15.2	20.0

Fluorometer Calibration:

n	r <sup>2</sup>	A	B	Syx
6	1.00	-5.3	11.57	0.4

LOCATION: South San Francisco Bay  
 DATE: May 1, 1989  
 JULIAN DAY: 89121

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
30	1347	1.0	3.0	0.58	0.75	4.7	2.3	24.9	17.6	17.7
30	1347	2.0			0.75	4.7		24.9	17.5	17.7
30	1347	3.0			0.74	4.7		24.9	17.4	17.7
30	1347	4.0			0.73	4.6		25.1	17.1	17.9
30	1347	5.0			0.74	4.7		25.1	17.0	17.9
30	1347	6.0			0.74	4.7		25.1	17.0	17.9
30	1347	7.0			0.74	4.7		25.1	17.0	17.9
30	1347	8.0			0.75	4.7		25.1	17.0	17.9
30	1347	9.0			0.75	4.7		25.1	17.0	17.9
30	1347	10.0			0.74	4.7		25.1	17.0	18.0
30	1347	11.0			0.73	4.6		25.1	17.0	17.9
30	1347	12.0			0.73	4.6		25.1	17.0	18.0
30	1347	13.0			0.73	4.6		25.1	17.0	18.0
30	1347	14.0			0.72	4.6		25.1	17.0	18.0
30	1347	15.0			0.73	4.6		25.1	17.0	18.0
30	1347	16.0			0.79	5.0		23.2	17.0	16.5
27	1245	1.0	7.5	0.77	1.53	9.0	1.7	25.8	17.8	18.3
27	1245	2.0			1.53	9.0		25.8	17.3	18.4
27	1245	3.0			1.49	8.9		26.0	17.1	18.6
27	1245	4.0			1.36	8.1		26.1	16.8	18.8
27	1245	5.0			1.27	7.6		26.1	16.7	18.8
27	1245	6.0			1.20	7.2		26.2	16.7	18.8
27	1245	7.0			1.16	7.0		26.2	16.7	18.8
27	1245	8.0			1.14	6.9		26.2	16.7	18.9
27	1245	9.0			1.18	7.1		26.3	16.6	18.9
27	1245	10.0			1.21	7.3		26.3	16.6	18.9
27	1245	11.0			1.22	7.3		26.2	16.6	18.9
27	1245	12.0			1.22	7.4		26.3	16.6	18.9
24	1152	1.0	8.9	0.75	1.05	6.4	1.3	27.3	15.8	19.9
24	1152	2.0			1.05	6.4		27.4	15.3	20.1
24	1152	3.0			1.09	6.6		27.5	15.2	20.2
24	1152	4.0			1.09	6.6		27.5	15.2	20.2
24	1152	5.0			1.08	6.6		27.5	15.2	20.2
24	1152	6.0			1.08	6.6		27.5	15.1	20.2
24	1152	7.0			1.10	6.7		27.5	15.1	20.2
24	1152	8.0			1.09	6.6		27.5	15.1	20.2
24	1152	9.0			1.12	6.8		27.5	15.1	20.2
24	1152	10.0			1.08	6.6		27.5	15.1	20.2
24	1152	11.0			1.22	7.3		27.5	15.1	20.2
21	1057	1.0	8.7	0.73	1.32	7.9	1.2	28.0	15.3	20.6
21	1057	2.0			1.32	7.9		28.2	14.9	20.7
21	1057	3.0			1.33	7.9		28.3	14.8	20.9
21	1057	4.0			1.27	7.6		28.8	14.5	21.3
21	1057	5.0			1.25	7.5		28.9	14.4	21.4
21	1057	6.0			1.21	7.3		29.0	14.4	21.5
21	1057	7.0			1.22	7.3		29.2	14.3	21.7
21	1057	8.0			1.15	7.0		29.3	14.3	21.7
21	1057	9.0			1.14	6.9		29.3	14.2	21.7
21	1057	10.0			1.11	6.7		29.3	14.2	21.7
21	1057	11.0			1.09	6.6		29.3	14.2	21.7
21	1057	12.0			1.07	6.5		29.3	14.2	21.7
21	1057	13.0			1.08	6.6		29.3	14.2	21.7
21	1057	14.0			1.15	7.0		29.4	14.2	21.8
21	1057	15.0			1.14	6.9		29.4	14.2	21.8
21	1057	16.0			1.16	7.0		29.4	14.2	21.8
21	1057	17.0			1.19	7.2		29.4	14.2	21.8
21	1057	18.0			1.29	7.7		29.4	14.2	21.8
21	1057	19.0			1.33	7.9		29.4	14.2	21.8

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  4    0.46    0.6    5.51    2.5

LOCATION: South San Francisco Bay  
 DATE: May 10, 1989  
 JULIAN DAY: 89130

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
30	712	1.0	1.7	0.43	0.57	1.8	2.4	25.5	18.0	18.0
30	712	2.0			0.57	1.8				
30	712	3.0			0.57	1.8				
30	712	4.0			0.57	1.8				
30	712	5.0			0.57	1.9				
30	712	6.0			0.59	2.0				
30	712	7.0			0.60	2.0				
30	712	8.0			0.62	2.2				
30	712	9.0			0.65	2.4				
30	712	10.0			0.67	2.5				
30	712	11.0			0.68	2.6				
30	712	12.0			0.71	2.8				
30	712	13.0	2.4	0.18	0.73	3.0	2.4	25.6	18.0	18.1
					0.76	3.2				
29	736	1.0								
29	736	2.0			0.56	1.8		2.4	25.8	17.9
29	736	3.0			0.56	1.8				
29	736	4.0			0.56	1.8				
29	736	5.0			0.57	1.8				
29	736	6.0			0.57	1.8				
29	736	7.0			0.57	1.8				
29	736	8.0			0.59	2.0				
29	736	9.0			0.64	2.3				
29	736	10.0			0.69	2.7				
29	736	11.0			0.73	3.0				
29	736	12.0			0.77	3.2				
29	736	13.0			0.80	3.4				
29	736	14.0			0.84	3.7				
29	736	15.0			0.88	4.0				
					0.91	4.2				
28	751	1.0			0.54	1.6	2.0	26.0	17.8	18.5
28	751	2.0			0.54	1.6				
28	751	3.0			0.54	1.6				
28	751	4.0			0.54	1.6				
28	751	5.0			0.54	1.6				
28	751	6.0			0.56	1.7				
28	751	7.0			0.57	1.8				
28	751	8.0			0.60	2.0				
28	751	9.0			0.64	2.3				
28	751	10.0			0.66	2.5				
28	751	11.0			0.69	2.7				
28	751	12.0			0.70	2.8				
28	751	13.0			0.73	3.0				
28	751	14.0			0.75	3.1				
					0.76	3.2				
27	804	1.0	1.7	0.46	0.54	1.6	2.2	26.2	17.8	18.6
27	804	2.0			0.54	1.6				
27	804	3.0			0.54	1.6				
27	804	4.0			0.54	1.6				
27	804	5.0			0.53	1.6				
27	804	6.0			0.54	1.6				
27	804	7.0			0.59	2.0				
27	804	8.0			0.63	2.3				
27	804	9.0			0.69	2.7				
27	804	10.0			0.74	3.0				
27	804	11.0			0.78	3.3				
27	804	12.0			0.81	3.5				
			3.9	0.18	0.84	3.7	1.9	26.5	17.5	18.9
26	817	1.0								
26	817	2.0			0.61	2.1				
26	817	3.0			0.61	2.1				
26	817	4.0			0.62	2.2				
26	817	5.0			0.67	2.5				
26	817	6.0			0.72	2.9				
26	817	7.0			0.75	3.1				
					0.78	3.3				

LOCATION: South San Francisco Bay  
 DATE: May 10, 1989  
 JULIAN DAY: 89130

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
26	817	8.0			0.81	3.5				
26	817	9.0			0.83	3.7		26.7	17.4	19.1
26	817	10.0			0.85	3.8		26.7	17.4	19.1
25	833	1.0						26.7	17.4	19.1
25	833	2.0			0.72	2.9	4.8	26.6	17.6	18.9
25	833	3.0			0.72	2.9		26.6	17.6	18.9
25	833	4.0			0.72	2.9		26.6	17.6	18.9
25	833	5.0			0.73	3.0		26.6	17.6	18.9
25	833	6.0			0.73	3.0		26.6	17.6	18.9
25	833	7.0			0.74	3.0		26.6	17.6	18.9
25	833	8.0			0.74	3.0		26.6	17.6	19.0
					0.74	3.1		26.6	17.6	19.0
24	850	1.0	2.7	0.31	0.70	2.8	3.1	27.6	16.6	19.9
24	850	2.0			0.70	2.8		27.6	16.6	19.9
24	850	3.0			0.70	2.8		27.6	16.6	19.9
24	850	4.0			0.72	2.9		27.6	16.5	19.9
24	850	5.0			0.72	2.9		27.6	16.5	19.9
24	850	6.0			0.74	3.0		27.6	16.5	19.9
24	850	7.0			0.74	3.0		27.6	16.5	19.9
24	850	8.0			0.74	3.1		27.6	16.5	19.9
24	850	9.0			0.74	3.0		27.6	16.5	19.9
24	850	10.0			0.75	3.1		27.6	16.5	20.0
23	905	1.0						27.6	16.5	20.0
23	905	2.0			0.67	2.6	3.1	28.0	16.1	20.4
23	905	3.0			0.67	2.6		28.0	16.1	20.4
23	905	4.0			0.67	2.5		28.0	16.1	20.4
23	905	5.0			0.67	2.6		28.0	16.1	20.3
23	905	6.0			0.68	2.6		28.0	16.1	20.3
23	905	7.0			0.69	2.7		28.0	16.1	20.4
23	905	8.0			0.73	2.9		28.0	16.1	20.4
23	905	9.0			0.72	2.9		28.0	16.1	20.4
23	905	10.0			0.74	3.0		28.0	16.1	20.4
23	905	11.0			0.73	3.0		28.0	16.1	20.4
23	905	12.0			0.72	2.9		28.0	16.1	20.4
23	905	13.0			0.71	2.8		28.0	16.1	20.4
23	905	14.0			0.69	2.7		28.0	16.1	20.4
23	905	15.0			0.70	2.7		28.0	16.1	20.4
23	905	16.0			0.69	2.7		28.0	16.1	20.4
					0.72	2.9		28.0	16.1	20.4
22	923	1.0						28.0	16.1	20.4
22	923	2.0			0.69	2.6	2.8	28.5	15.7	20.8
22	923	3.0			0.69	2.6		28.5	15.7	20.8
22	923	4.0			0.69	2.7		28.5	15.7	20.8
22	923	5.0			0.68	2.6		28.5	15.7	20.8
22	923	6.0			0.68	2.6		28.5	15.7	20.8
22	923	7.0			0.69	2.7		28.5	15.7	20.8
22	923	8.0			0.71	2.9		28.5	15.7	20.8
22	923	9.0			0.71	2.8		28.5	15.7	20.8
22	923	10.0			0.72	2.9		28.5	15.7	20.8
22	923	11.0			0.72	2.9		28.5	15.7	20.8
22	923	12.0			0.70	2.8		28.5	15.7	20.8
22	923	13.0			0.70	2.7		28.5	15.7	20.8
22	923	14.0			0.71	2.8		28.5	15.7	20.8
22	923	15.0			0.71	2.8		28.5	15.7	20.8
22	923	16.0			0.68	2.6		28.5	15.7	20.9
22	923	17.0			0.70	2.7		28.5	15.7	20.9
					0.67	2.6		28.5	15.7	20.9
21	934	1.0	3.5	0.34	0.71	2.8	2.8	28.4	15.9	20.7
21	934	2.0			0.71	2.8		28.4	15.9	20.7
21	934	3.0			0.72	2.9		28.4	15.9	20.7
21	934	4.0			0.73	3.0		28.4	15.9	20.7
21	934	5.0			0.74	3.0		28.4	15.9	20.7
21	934	6.0			0.74	3.0		28.4	15.9	20.7

LOCATION: South San Francisco Bay  
 DATE: May 10, 1989  
 JULIAN DAY: 89130

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
21	934	7.0								
21	934	8.0			0.75	3.1		28.4	15.9	20.7
21	934	9.0			0.75	3.1		28.4	15.9	20.7
21	934	10.0			0.77	3.2		28.4	15.9	20.7
21	934	11.0			0.76	3.2		28.4	15.8	20.7
21	934	12.0			0.77	3.3		28.4	15.8	20.7
21	934	13.0			0.81	3.5		28.4	15.8	20.7
21	934	14.0			0.80	3.4		28.4	15.8	20.7
21	934	15.0			0.80	3.4		28.4	15.8	20.7
21	934	16.0			0.80	3.5		28.4	15.8	20.7
21	934	17.0			0.79	3.4		28.4	15.8	20.7
21	934	18.0			0.78	3.3		28.4	15.8	20.7
					0.82	3.6		28.4	15.8	20.7

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  6    0.72    -2.2    7.05    0.6

LOCATION: North San Francisco Bay  
 DATE: May 10, 1989  
 JULIAN DAY: 89130

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	1832	1.0	3.2	0.68	0.61	1.5	1.7	0.1	19.5	0.0
657	1832	2.0			0.61	1.5		0.1	19.4	0.0
657	1832	3.0			0.61	1.4		0.1	19.4	0.0
657	1832	4.0			0.60	1.3		0.1	19.4	0.0
657	1832	5.0			0.60	1.3		0.1	19.4	0.0
657	1832	6.0			0.59	1.2		0.1	19.4	0.0
657	1832	7.0			0.59	1.2		0.1	19.4	0.0
657	1832	8.0			0.59	1.2		0.1	19.4	0.0
657	1832	9.0			0.60	1.3		0.1	19.4	0.0
657	1832	10.0			0.61	1.4		0.1	19.4	0.0
653	1803	1.0			0.84	4.6	1.7	0.1	19.3	0.0
653	1803	2.0			0.84	4.6		0.1	19.2	0.0
653	1803	3.0			0.83	4.5		0.1	19.2	0.0
653	1803	4.0			0.82	4.3		0.1	19.2	0.0
653	1803	5.0			0.81	4.3		0.1	19.2	0.0
653	1803	6.0			0.82	4.3		0.1	19.2	0.0
653	1803	7.0			0.81	4.2		0.1	19.2	0.0
653	1803	8.0			0.81	4.3		0.1	19.2	0.0
653	1803	9.0			0.81	4.2		0.1	19.2	0.0
649	1733	1.0	13.1	0.77	1.39	12.3	3.0	0.1	18.8	0.0
649	1733	2.0			1.39	12.3		0.1	18.6	0.0
649	1733	3.0			1.37	12.1		0.1	18.6	0.0
649	1733	4.0			1.39	12.4		0.1	18.6	0.0
649	1733	5.0			1.38	12.2		0.1	18.5	0.0
649	1733	6.0			1.37	12.1		0.1	18.5	0.0
649	1733	7.0			1.36	11.9		0.1	18.5	0.0
649	1733	8.0			1.36	11.9		0.1	18.5	0.0
649	1733	9.0			1.38	12.2		0.1	18.5	0.0
649	1733	10.0			1.39	12.3		0.1	18.5	0.0
3	1701	1.0			1.29	10.9	4.3	0.5	18.8	0.0
3	1701	2.0			1.29	10.9		0.5	18.7	0.0
3	1701	3.0			1.27	10.7		0.6	18.8	0.0
3	1701	4.0			1.29	11.0		0.6	18.8	0.0
3	1701	5.0			1.30	11.1		0.6	18.9	0.0
3	1701	6.0			1.31	11.2		0.7	18.9	0.0
3	1701	7.0			1.31	11.2		0.7	18.9	0.0
3	1701	8.0			1.31	11.2		0.7	18.9	0.0
3	1701	9.0			1.30	11.1		0.8	18.9	0.0
3	1701	10.0			1.29	10.9		0.8	18.9	0.0
4	1611	1.0	8.5	0.59	1.16	9.1	4.5	1.0	18.8	0.0
4	1611	2.0			1.16	9.1		1.0	18.7	0.0
4	1611	3.0			1.17	9.2		1.0	18.7	0.0
4	1611	4.0			1.16	9.1		1.1	18.7	0.0
4	1611	5.0			1.16	9.1		1.2	18.7	0.0
4	1611	6.0			1.15	9.0		1.2	18.7	0.0
4	1611	7.0			1.14	8.8		1.2	18.7	0.0
4	1611	8.0			1.14	8.8		1.2	18.7	0.0
4	1611	9.0			1.14	8.9		1.2	18.7	0.0
4	1611	10.0			1.13	8.7		1.2	18.7	0.0
4	1611	11.0			1.11	8.5		1.2	18.7	0.0
4	1611	12.0			1.11	8.5		1.3	18.7	0.0
4	1611	13.0			1.09	8.1		1.3	18.7	0.0
5	1550	1.0			0.92	5.8	4.3	1.7	18.5	0.0
5	1550	2.0			0.92	5.8		1.7	18.5	0.0
5	1550	3.0			0.93	5.9		1.8	18.5	0.0
5	1550	4.0			0.93	5.9		1.8	18.5	0.0
5	1550	5.0			0.94	6.0		1.8	18.5	0.0
5	1550	6.0			0.94	6.0		1.8	18.6	0.0
5	1550	7.0			0.95	6.2		1.8	18.6	0.0
5	1550	8.0			0.95	6.2		1.8	18.6	0.0

LOCATION: North San Francisco Bay  
 DATE: May 10, 1989  
 JULIAN DAY: 89130

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
5	1550	9.0			0.95	6.1		1.8	18.6	0.0
5	1550	10.0			0.93	6.0		1.8	18.6	0.0
6	1522	1.0			0.69	2.5	4.2	3.0	18.6	0.8
6	1522	2.0			0.69	2.5		3.1	18.6	0.8
6	1522	3.0			0.69	2.6		3.1	18.5	0.9
6	1522	4.0			0.70	2.7		3.2	18.5	0.9
6	1522	5.0			0.70	2.8		3.3	18.5	1.0
6	1522	6.0			0.70	2.7		3.4	18.5	1.1
6	1522	7.0			0.70	2.7		3.5	18.5	1.1
6	1522	8.0			0.69	2.6		3.5	18.5	1.2
6	1522	9.0			0.68	2.5		3.6	18.5	1.2
6	1522	10.0			0.67	2.3		3.7	18.5	1.3
6	1522	11.0			0.65	2.0		4.2	18.5	1.7
7	1441	1.0			0.60	1.3	5.0	6.4	18.2	3.5
7	1441	2.0			0.60	1.3		6.5	18.2	3.5
7	1441	3.0			0.61	1.4		6.5	18.1	3.6
7	1441	4.0			0.61	1.4		6.6	18.1	3.6
7	1441	5.0			0.61	1.5		6.7	18.1	3.7
7	1441	6.0			0.62	1.7		6.8	18.1	3.8
7	1441	7.0			0.63	1.7		6.9	18.1	3.8
7	1441	8.0			0.64	1.8		6.9	18.1	3.9
7	1441	9.0			0.64	1.9		6.9	18.1	3.9
7	1441	10.0			0.64	1.8		6.9	18.1	3.9
7	1441	11.0			0.63	1.7		6.9	18.1	3.9
7	1441	12.0			0.62	1.6		6.9	18.1	3.9
8	1415	1.0	1.6	0.27	0.68	2.4	6.0	8.2	17.3	5.0
8	1415	2.0			0.68	2.4		8.3	17.2	5.1
8	1415	3.0			0.68	2.4		8.4	17.2	5.2
8	1415	4.0			0.69	2.5		8.5	17.3	5.2
8	1415	5.0			0.68	2.5		8.6	17.3	5.3
8	1415	6.0			0.69	2.5		8.6	17.3	5.3
8	1415	7.0			0.69	2.5		8.7	17.3	5.4
8	1415	8.0			0.69	2.5		8.7	17.3	5.3
8	1415	9.0			0.69	2.5		8.9	17.5	5.5
8	1415	10.0			0.67	2.3		9.5	17.7	5.9
8	1415	11.0			0.68	2.5		9.7	17.7	6.0
8	1415	12.0			0.69	2.5		9.7	17.7	6.1
8	1415	13.0			0.67	2.3		9.7	17.7	6.1
9	1348	1.0			0.61	1.5	6.9	11.2	17.5	7.2
9	1348	2.0			0.61	1.5		11.1	17.5	7.2
9	1348	3.0			0.62	1.6		11.1	17.5	7.2
9	1348	4.0			0.62	1.6		11.1	17.5	7.2
9	1348	5.0			0.63	1.7		11.2	17.5	7.2
9	1348	6.0			0.63	1.8		11.2	17.5	7.2
9	1348	7.0			0.63	1.8		11.2	17.5	7.3
9	1348	8.0			0.63	1.7		11.2	17.5	7.3
9	1348	9.0			0.63	1.8		11.3	17.5	7.3
9	1348	10.0			0.62	1.7		11.3	17.5	7.3
9	1348	11.0			0.62	1.6		11.2	17.5	7.3
9	1348	12.0			0.61	1.5		11.3	17.5	7.3
9	1348	13.0			0.61	1.5		11.3	17.5	7.3
9	1348	14.0			0.61	1.4		11.3	17.5	7.3
9	1348	15.0			0.61	1.5		11.4	17.5	7.4
9	1348	16.0			0.60	1.4		11.5	17.5	7.5
9	1348	17.0			0.60	1.4		11.6	17.5	7.5
9	1348	18.0			0.60	1.4		11.6	17.5	7.5
9	1348	19.0			0.61	1.4		11.7	17.5	7.6
9	1348	20.0			0.61	1.4		11.8	17.5	7.7
9	1348	21.0			0.61	1.5		11.9	17.5	7.7
9	1348	22.0			0.61	1.5				
9	1348	23.0			0.61	1.5				



LOCATION: North San Francisco Bay  
 DATE: May 10, 1989  
 JULIAN DAY: 89130

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9	1348	24.0			0.61	1.4		11.9	17.5	7.8
10	1330	1.0	1.6	0.26	0.60	1.3	4.4	12.5	17.5	8.2
10	1330	2.0			0.60	1.3		12.6	17.5	8.3
10	1330	3.0			0.60	1.3		12.6	17.5	8.3
10	1330	4.0			0.61	1.4		12.6	17.5	8.3
10	1330	5.0			0.61	1.5		12.6	17.5	8.3
10	1330	6.0			0.61	1.5		12.7	17.5	8.3
10	1330	7.0			0.61	1.4		12.7	17.5	8.4
10	1330	8.0			0.61	1.4		12.7	17.5	8.4
10	1330	9.0			0.61	1.5		12.8	17.5	8.4
10	1330	10.0			0.61	1.4		13.0	17.5	8.5
10	1330	11.0			0.61	1.4		13.1	17.5	8.6
10	1330	12.0			0.60	1.4		13.2	17.5	8.7
10	1330	13.0			0.60	1.4		13.5	17.5	8.8
10	1330	14.0			0.60	1.4		13.9	17.5	8.9
10	1330	15.0			0.60	1.4		14.0	17.6	9.3
10	1330	16.0			0.60	1.3		14.0	17.6	9.3
11	1258	1.0			0.57	0.9	4.0	16.6	17.6	9.4
11	1258	2.0			0.57	0.9		16.7	17.6	11.3
11	1258	3.0			0.58	1.0		16.8	17.6	11.4
11	1258	4.0			0.58	1.0		16.8	17.6	11.4
11	1258	5.0			0.59	1.2		16.9	17.6	11.5
11	1258	6.0			0.58	1.0		16.9	17.6	11.5
11	1258	7.0			0.59	1.2		16.9	17.6	11.5
11	1258	8.0			0.59	1.2		17.0	17.6	11.6
11	1258	9.0			0.59	1.2		17.0	17.6	11.6
11	1258	10.0			0.59	1.2		17.0	17.6	11.6
11	1258	11.0			0.58	1.0		17.1	17.6	11.7
11	1258	12.0			0.58	1.0		17.1	17.6	11.7
11	1258	13.0			0.57	0.9		17.1	17.6	11.7
11	1258	14.0			0.57	1.0		17.1	17.6	11.7
11	1258	15.0			0.58	1.1		17.1	17.6	11.7
13	1205	1.0			0.78	3.9	12.8	20.6	17.2	14.5
13	1205	2.0			0.78	3.9		20.6	17.2	14.5
13	1205	3.0			0.78	3.9		20.6	17.2	14.5
13	1205	4.0			0.79	4.0		20.6	17.2	14.5
13	1205	5.0			0.80	4.2		20.6	17.2	14.5
13	1205	6.0			0.81	4.2		20.6	17.2	14.5
13	1205	7.0			0.81	4.3		20.6	17.2	14.5
13	1205	8.0			0.81	4.2		20.6	17.2	14.5
13	1205	9.0			0.83	4.5		20.6	17.2	14.5
15	1114	1.0	2.4	0.22	0.78	3.8	8.7	23.7	16.5	16.9
15	1114	2.0			0.78	3.8		23.7	16.5	16.9
15	1114	3.0			0.78	3.8		23.6	16.5	16.9
15	1114	4.0			0.78	3.9		23.6	16.5	16.9
15	1114	5.0			0.78	3.8		23.7	16.5	17.0
15	1114	6.0			0.78	3.9		23.8	16.5	17.0
15	1114	7.0			0.80	4.0		23.8	16.5	17.1
15	1114	8.0			0.80	4.1		23.8	16.5	17.1
15	1114	9.0			0.80	4.2		23.9	16.4	17.2
15	1114	10.0			0.79	4.0		24.0	16.4	17.2
15	1114	11.0			0.78	3.8		24.0	16.3	17.2
15	1114	12.0			0.78	3.8		24.0	16.3	17.2
15	1114	13.0			0.76	3.6		24.1	16.3	17.3
15	1114	14.0			0.75	3.4		24.5	16.1	17.3
15	1114	15.0			0.72	3.0		24.7	16.0	17.6
15	1114	16.0			0.70	2.8		24.7	16.0	17.8
15	1114	17.0			0.68	2.4		24.7	16.0	17.9
15	1114	18.0			0.66	2.2		24.8	16.0	17.9
15	1114	19.0			0.65	2.0		24.8	16.0	17.9
15	1114	20.0			0.64	1.8		24.8	16.0	17.9

LOCATION: North San Francisco Bay  
 DATE: May 10, 1989  
 JULIAN DAY: 89130

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
15	1114	21.0			0.63	1.7		24.8	16.0	17.9
15	1114	22.0			0.62	1.6		24.8	16.0	17.9

Fluorometer Calibration:    n     $r^2$     A    B    Syx

	6	0.94	-7.0	13.91	1.3
--	---	------	------	-------	-----

LOCATION: South San Francisco Bay  
 DATE: May 30, 1989  
 JULIAN DAY: 89150

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	1350	1.0	3.6	0.67	0.75	3.4	2.6	26.7	17.3	19.1
32	1350	2.0			0.75	3.4		26.8	17.2	19.2
32	1350	3.0			0.75	3.5		26.8	17.2	19.2
32	1350	4.0			0.77	3.6		26.9	17.2	19.2
32	1350	5.0			0.79	3.8		26.9	17.1	19.3
32	1350	6.0			0.80	3.9		26.9	17.0	19.3
32	1350	7.0			0.82	4.0		26.9	17.0	19.3
32	1350	8.0			0.83	4.1		26.9	17.0	19.3
32	1350	9.0	3.7	0.44	0.84	4.2		26.9	17.0	19.3
30	1312	1.0	4.1	0.74	0.74	3.3	1.9	27.3	17.9	19.4
30	1312	2.0			0.74	3.3		27.4	17.2	19.7
30	1312	3.0			0.73	3.3		27.4	17.1	19.6
30	1312	4.0			0.72	3.2		27.4	17.0	19.7
30	1312	5.0			0.71	3.1		27.5	16.8	19.8
30	1312	6.0			0.71	3.1		27.5	16.8	19.8
30	1312	7.0			0.72	3.2		27.6	16.8	19.9
30	1312	8.0			0.72	3.3		27.6	16.8	19.9
30	1312	9.0			0.73	3.3		27.6	16.8	19.9
30	1312	10.0			0.72	3.3		27.6	16.8	19.9
30	1312	11.0			0.72	3.2		27.6	16.8	19.9
30	1312	12.0			0.72	3.2		27.6	16.8	19.9
30	1312	13.0			0.72	3.2		27.6	16.8	19.9
30	1312	14.0			0.71	3.2		27.6	16.8	19.9
30	1312	15.0	3.0	0.30	0.73	3.3		27.6	16.8	19.9
					0.75	3.4		27.6	16.8	19.9
29	1244	1.0			0.63	2.5	1.4	27.8	17.3	19.9
29	1244	2.0			0.63	2.5		27.9	16.8	20.1
29	1244	3.0			0.63	2.5		27.9	16.7	20.1
29	1244	4.0			0.62	2.4		27.9	16.7	20.1
29	1244	5.0			0.61	2.3		27.9	16.7	20.1
29	1244	6.0			0.59	2.2		27.9	16.6	20.2
29	1244	7.0			0.59	2.2		27.9	16.6	20.2
29	1244	8.0			0.58	2.1		28.0	16.5	20.2
29	1244	9.0			0.59	2.2		28.0	16.5	20.2
29	1244	10.0			0.58	2.1		27.9	16.5	20.2
29	1244	11.0			0.58	2.1		27.9	16.5	20.2
29	1244	12.0			0.59	2.1		27.9	16.5	20.2
29	1244	13.0			0.58	2.1		27.9	16.5	20.2
29	1244	14.0			0.58	2.1		27.9	16.5	20.2
					0.59	2.2		27.9	16.5	20.2
28	1225	1.0			0.57	2.0	1.6	28.0	16.7	20.3
28	1225	2.0			0.57	2.0		28.0	16.6	20.2
28	1225	3.0			0.56	2.0		28.0	16.5	20.2
28	1225	4.0			0.56	1.9		28.0	16.5	20.2
28	1225	5.0			0.56	1.9		28.0	16.5	20.2
28	1225	6.0			0.56	1.9		28.0	16.5	20.3
28	1225	7.0			0.56	1.9		28.0	16.5	20.3
28	1225	8.0			0.56	1.9		28.1	16.5	20.3
28	1225	9.0			0.57	2.0		28.1	16.4	20.4
28	1225	10.0			0.55	1.9		28.1	16.4	20.4
28	1225	11.0			0.55	1.8		28.1	16.4	20.4
28	1225	12.0			0.54	1.8		28.1	16.4	20.4
28	1225	13.0			0.56	1.9		28.1	16.4	20.4
28	1225	14.0			0.57	2.0		28.1	16.4	20.4
28	1225	15.0			0.57	2.0		28.1	16.4	20.4
27	1208	1.0	1.6	0.69	0.60	2.3	1.6	28.2	17.0	20.3
27	1208	2.0			0.60	2.3		28.2	16.5	20.4
27	1208	3.0			0.59	2.2		28.2	16.5	20.4
27	1208	4.0			0.58	2.1		28.2	16.5	20.4
27	1208	5.0			0.58	2.1		28.2	16.5	20.4
27	1208	6.0			0.57	2.0		28.2	16.5	20.4
27	1208	7.0			0.57	2.0		28.2	16.5	20.4
27	1208	8.0			0.56	1.9		28.2	16.5	20.4

LOCATION: South San Francisco Bay  
 DATE: May 30, 1989  
 JULIAN DAY: 89150

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
27	1208	9.0			0.57	2.0				
27	1208	10.0			0.55	1.9		28.2	16.5	20.4
27	1208	11.0			0.55	1.8		28.2	16.5	20.4
27	1208	12.0	1.9	0.34	0.57	2.0		28.2	16.5	20.4
26	1149	1.0			0.59	2.2	1.3	28.2	18.1	20.0
26	1149	2.0			0.59	2.2		28.2	17.1	20.3
26	1149	3.0			0.60	2.3		28.2	16.6	20.4
26	1149	4.0			0.58	2.1		28.3	16.5	20.5
26	1149	5.0			0.57	2.0		28.3	16.5	20.5
26	1149	6.0			0.56	1.9		28.3	16.4	20.7
26	1149	7.0			0.56	1.9		28.5	16.3	20.7
26	1149	8.0			0.56	1.9		28.6	16.3	20.7
26	1149	9.0			0.56	1.9		28.6	16.3	20.7
26	1149	10.0			0.55	1.9		28.6	16.3	20.7
26	1149	11.0			0.54	1.7		28.6	16.3	20.7
25	1125	1.0			0.55	1.8	1.6	28.8	16.2	20.9
25	1125	2.0			0.55	1.8		28.8	16.1	20.9
25	1125	3.0			0.55	1.8		28.8	16.0	21.0
25	1125	4.0			0.54	1.8		28.8	16.0	21.0
25	1125	5.0			0.53	1.7		28.9	15.9	21.1
25	1125	6.0			0.53	1.7		29.0	15.8	21.2
25	1125	7.0			0.53	1.7		29.0	15.8	21.2
25	1125	8.0			0.54	1.8		29.0	15.8	21.2
25	1125	9.0			0.55	1.8		29.0	15.8	21.2
24	1058	1.0	2.2	0.59	0.56	1.9	1.3	29.2	16.0	21.3
24	1058	2.0			0.56	1.9		29.3	15.7	21.4
24	1058	3.0			0.56	1.9		29.3	15.6	21.5
24	1058	4.0			0.56	1.9		29.3	15.5	21.5
24	1058	5.0			0.55	1.8		29.4	15.4	21.5
24	1058	6.0			0.54	1.8		29.4	15.4	21.6
24	1058	7.0			0.54	1.7		29.4	15.3	21.6
24	1058	8.0			0.54	1.8		29.5	15.3	21.6
24	1058	9.0			0.54	1.8		29.5	15.3	21.7
24	1058	10.0			0.56	1.9		29.5	15.2	21.7
24	1058	11.0	2.0	0.32	0.57	2.0		29.5	15.2	21.7
23	1038	1.0			0.57	2.0	1.5	29.3	15.6	21.5
23	1038	2.0			0.57	2.0		29.3	15.5	21.5
23	1038	3.0			0.58	2.1		29.4	15.4	21.6
23	1038	4.0			0.58	2.1		29.4	15.4	21.6
23	1038	5.0			0.58	2.1		29.4	15.3	21.6
23	1038	6.0			0.58	2.1		29.5	15.3	21.7
23	1038	7.0			0.58	2.1		29.6	15.2	21.8
23	1038	8.0			0.59	2.1		29.7	15.1	21.8
23	1038	9.0			0.60	2.3		29.7	15.1	21.9
23	1038	10.0			0.61	2.3		29.7	15.1	21.9
23	1038	11.0			0.60	2.3		29.7	15.0	21.9
23	1038	12.0			0.61	2.3		29.8	15.0	21.9
23	1038	13.0			0.61	2.3		29.8	15.0	21.9
23	1038	14.0			0.62	2.4		29.8	15.0	22.0
23	1038	15.0			0.65	2.6		29.8	14.9	22.0
23	1038	16.0			0.65	2.7		29.8	14.9	22.0
23	1038	17.0			0.67	2.8		29.9	14.9	22.0
23	1038	18.0			0.68	2.9		29.8	14.9	22.0
23	1038	19.0			0.68	2.9		29.8	14.9	22.0
22	1016	1.0			0.67	2.8	1.2	29.9	15.1	22.0
22	1016	2.0			0.67	2.8		30.1	14.5	22.3
22	1016	3.0			0.67	2.9		30.1	14.4	22.4
22	1016	4.0			0.67	2.8		30.1	14.4	22.3
22	1016	5.0			0.67	2.8		30.1	14.4	22.3
22	1016	6.0			0.67	2.8		30.1	14.3	22.4

LOCATION: South San Francisco Bay  
 DATE: May 30, 1989  
 JULIAN DAY: 89150

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
22	1016	7.0			0.66	2.8				
22	1016	8.0			0.66	2.7		30.2	14.2	22.4
22	1016	9.0			0.66	2.7		30.2	14.2	22.4
22	1016	10.0			0.65	2.6		30.2	14.2	22.4
22	1016	11.0			0.64	2.6		30.2	14.2	22.4
22	1016	12.0			0.63	2.5		30.2	14.2	22.4
22	1016	13.0			0.65	2.6		30.2	14.1	22.5
22	1016	14.0			0.63	2.5		30.2	14.1	22.5
22	1016	15.0			0.63	2.5		30.2	14.1	22.5
22	1016	16.0			0.64	2.6		30.3	14.1	22.5
21	953	1.0	3.1	0.50	0.69	3.0	1.8	29.6	14.7	21.9
21	953	2.0			0.69	3.0		29.6	14.7	21.9
21	953	3.0			0.69	3.0		29.7	14.7	21.9
21	953	4.0			0.70	3.1		29.7	14.7	21.9
21	953	5.0			0.69	3.0		29.8	14.7	22.0
21	953	6.0			0.69	3.0		29.8	14.7	22.1
21	953	7.0			0.70	3.1		30.0	14.6	22.2
21	953	8.0			0.71	3.1		30.1	14.5	22.3
21	953	9.0			0.73	3.3		30.5	13.9	22.7
21	953	10.0			0.73	3.3		30.8	13.6	23.0
21	953	11.0			0.73	3.3		30.8	13.5	23.0
21	953	12.0			0.73	3.3		30.8	13.5	23.0
21	953	13.0			0.74	3.4		30.8	13.5	23.0
21	953	14.0			0.74	3.4		30.8	13.5	23.0
21	953	15.0			0.74	3.4		30.8	13.5	23.0
21	953	16.0			0.76	3.5		30.8	13.5	23.0
21	953	17.0			0.76	3.5		30.8	13.5	23.0
21	953	18.0	4.0	0.34	0.77	3.6		30.8	13.5	23.0

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  10      0.79      -2.6      8.11      0.4

LOCATION: North San Francisco Bay  
 DATE: June 14, 1989  
 JULIAN DAY: 89165

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	1717	1.0	2.0	0.74	0.50	1.6	1.8	0.1	20.0	0.0
657	1717	2.0			0.50	1.6		0.1	20.0	0.0
657	1717	3.0			0.50	1.6		0.1	20.0	0.0
657	1717	4.0			0.50	1.6		0.1	20.0	0.0
657	1717	5.0			0.50	1.6		0.1	20.0	0.0
657	1717	6.0			0.50	1.6		0.1	20.0	0.0
657	1717	7.0			0.50	1.6		0.1	20.0	0.0
657	1717	8.0			0.50	1.6		0.1	20.0	0.0
657	1717	9.0			0.51	1.7		0.1	20.0	0.0
657	1717	10.0	1.9	0.68	0.51	1.6		0.1	20.0	0.0
653	1644	1.0			0.79	3.8		0.1	19.6	0.0
653	1644	2.0			0.79	3.8		0.1	19.6	0.0
653	1644	3.0			0.79	3.8		0.1	19.6	0.0
653	1644	4.0			0.79	3.8		0.1	19.6	0.0
653	1644	5.0			0.78	3.7		0.1	19.6	0.0
653	1644	6.0			0.84	4.2		0.1	19.6	0.0
653	1644	7.0			0.86	4.3		0.1	19.6	0.0
653	1644	8.0			0.85	4.2		0.1	19.6	0.0
653	1644	9.0			0.82	4.0		0.1	19.6	0.0
653	1644	10.0			0.87	4.4		0.1	19.6	0.0
649	1609	1.0	5.3	0.63	0.96	5.1	3.2	0.5	19.6	0.0
649	1609	2.0			0.96	5.1		0.5	19.6	0.0
649	1609	3.0			0.96	5.1		0.5	19.6	0.0
649	1609	4.0			0.98	5.2		0.5	19.6	0.0
649	1609	5.0			0.99	5.3		0.5	19.6	0.0
649	1609	6.0			1.00	5.4		0.6	19.6	0.0
649	1609	7.0			1.00	5.4		0.6	19.6	0.0
649	1609	8.0			1.01	5.5		0.6	19.6	0.0
649	1609	9.0			1.01	5.5		0.6	19.6	0.0
649	1609	10.0	5.9	0.64	1.01	5.5		0.6	19.6	0.0
649	1609	11.0			1.01	5.5		0.6	19.6	0.0
2	1545	1.0			0.82	4.1		1.3	19.4	0.0
2	1545	2.0			0.82	4.1		1.3	19.4	0.0
2	1545	3.0			0.82	4.1		1.3	19.4	0.0
2	1545	4.0			0.83	4.1		1.3	19.4	0.0
2	1545	5.0			0.83	4.1		1.3	19.4	0.0
2	1545	6.0			0.84	4.2		1.3	19.3	0.0
2	1545	7.0			0.84	4.2		1.3	19.3	0.0
2	1545	8.0			0.84	4.2		1.3	19.3	0.0
2	1545	9.0			0.84	4.2		1.4	19.3	0.0
2	1545	10.0			0.84	4.2		1.4	19.3	0.0
2	1545	11.0			0.84	4.2		1.4	19.3	0.0
2	1545	12.0			0.83	4.1		1.4	19.3	0.0
2	1545	13.0			0.82	4.0		1.4	19.3	0.0
2	1545	14.0			0.82	4.0		1.4	19.3	0.0
2	1545	15.0	4.2	0.54	0.81	4.0		1.5	19.3	0.0
3	1533	1.0			0.76	3.6		1.8	19.6	0.0
3	1533	2.0			0.76	3.6		1.8	19.6	0.0
3	1533	3.0			0.76	3.5		1.8	19.5	0.0
3	1533	4.0			0.75	3.5		1.8	19.4	0.0
3	1533	5.0			0.76	3.6		1.8	19.3	0.0
3	1533	6.0			0.76	3.6		1.8	19.3	0.0
3	1533	7.0			0.76	3.6		1.8	19.3	0.0
3	1533	8.0			0.76	3.6		1.8	19.3	0.0
3	1533	9.0			0.76	3.6		1.8	19.3	0.0
3	1533	10.0			0.75	3.5		1.8	19.3	0.0
3	1533	11.0			0.74	3.4		1.8	19.3	0.0
3	1533	12.0			0.73	3.4		1.8	19.3	0.0
3	1533	13.0			0.72	3.3		1.9	19.2	0.0
4	1355	1.0	2.6	0.43	0.73	3.4	5.4	1.8	19.9	0.0

LOCATION: North San Francisco Bay  
 DATE: June 14, 1989  
 JULIAN DAY: 89165

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
4	1355	2.0			0.73	3.4		1.8	19.9	0.0
4	1355	3.0			0.74	3.4		1.9	19.7	0.0
4	1355	4.0			0.73	3.4		2.1	19.5	0.0
4	1355	5.0			0.73	3.3		2.4	19.4	0.1
4	1355	6.0			0.71	3.2		2.6	19.3	0.3
4	1355	7.0			0.69	3.1		2.8	19.3	0.5
4	1355	8.0			0.68	3.0		2.9	19.2	0.6
4	1355	9.0			0.67	2.9		3.0	19.2	0.7
4	1355	10.0			0.66	2.8		3.1	19.1	0.7
4	1355	11.0			0.64	2.7		3.1	19.1	0.7
4	1355	12.0			0.63	2.6		3.1	19.1	0.7
4	1355	13.0	2.7	0.48	0.63	2.6		3.1	19.1	0.8
5	1337	1.0			0.58	2.2	3.3	4.2	19.1	1.6
5	1337	2.0			0.58	2.2		4.5	18.9	1.9
5	1337	3.0			0.58	2.2		4.9	18.7	2.2
5	1337	4.0			0.59	2.3		5.1	18.7	2.4
5	1337	5.0			0.59	2.3		5.2	18.7	2.4
5	1337	6.0			0.60	2.4		5.3	18.7	2.5
5	1337	7.0			0.60	2.4		5.3	18.7	2.5
5	1337	8.0			0.60	2.4		5.3	18.7	2.5
5	1337	9.0			0.61	2.4		5.3	18.7	2.5
5	1337	10.0			0.61	2.4		5.3	18.7	2.5
5	1337	11.0			0.60	2.4		5.3	18.7	2.5
5	1337	12.0			0.60	2.4		5.3	18.7	2.5
6	1312	1.0	1.5	0.40	0.54	1.9	4.7	7.2	19.1	3.9
6	1312	2.0			0.54	1.9		7.8	18.7	4.4
6	1312	3.0			0.54	1.9		7.9	18.6	4.5
6	1312	4.0			0.54	1.9		8.1	18.5	4.7
6	1312	5.0			0.54	1.9		8.5	18.4	5.0
6	1312	6.0			0.53	1.8		8.7	18.4	5.2
6	1312	7.0			0.54	1.9		8.9	18.4	5.3
6	1312	8.0			0.55	2.0		9.0	18.3	5.4
6	1312	9.0			0.56	2.1		9.1	18.3	5.4
6	1312	10.0			0.58	2.2		9.2	18.3	5.5
6	1312	11.0	1.8	0.30	0.58	2.2		9.2	18.3	5.5
7	1239	1.0			0.53	1.9	2.4	10.6	18.8	6.5
7	1239	2.0			0.53	1.9		11.0	18.5	6.8
7	1239	3.0			0.52	1.8		11.4	18.3	7.2
7	1239	4.0			0.51	1.7		11.8	18.2	7.6
7	1239	5.0			0.50	1.6		12.2	18.1	7.8
7	1239	6.0			0.50	1.6		12.5	18.0	8.1
7	1239	7.0			0.49	1.5		12.8	18.0	8.4
7	1239	8.0			0.50	1.6		13.0	18.0	8.5
7	1239	9.0			0.50	1.6		13.1	17.9	8.6
7	1239	10.0			0.50	1.6		13.1	17.9	8.6
7	1239	11.0			0.50	1.6		13.1	17.9	8.6
7	1239	12.0			0.50	1.6		13.1	17.9	8.6
7	1239	13.0			0.50	1.6		13.1	17.9	8.6
7	1239	14.0			0.50	1.6		13.1	17.9	8.6
8	1221	1.0	1.8	0.71	0.49	1.5	2.0	12.0	18.6	7.6
8	1221	2.0			0.49	1.5		12.5	18.3	8.0
8	1221	3.0			0.48	1.5		12.6	18.4	8.1
8	1221	4.0			0.48	1.5		12.7	18.3	8.2
8	1221	5.0			0.48	1.4		13.0	18.1	8.5
8	1221	6.0			0.47	1.4		13.4	18.1	8.8
8	1221	7.0			0.47	1.3		14.2	17.9	9.4
8	1221	8.0			0.46	1.3		15.1	17.8	10.1
8	1221	9.0			0.47	1.4		15.5	17.8	10.4
8	1221	10.0			0.46	1.3		15.6	17.8	10.5
8	1221	11.0			0.47	1.4		16.1	17.7	10.9
8	1221	12.0			0.48	1.4		16.3	17.7	11.1

LOCATION: North San Francisco Bay  
 DATE: June 14, 1989  
 JULIAN DAY: 89165

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
8	1221	13.0			0.48	1.5		16.4	17.7	11.1
8	1221	14.0			0.49	1.5		16.4	17.7	11.1
8	1221	15.0			0.49	1.5		16.4	17.7	11.1
9	1202	1.0			0.48	1.4	2.2	14.9	18.3	9.9
9	1202	2.0			0.48	1.4		16.3	17.9	11.1
9	1202	3.0			0.48	1.4		16.8	17.9	11.4
9	1202	4.0			0.48	1.4		16.8	17.8	11.4
9	1202	5.0			0.49	1.5		16.9	17.8	11.6
9	1202	6.0			0.50	1.6		17.2	17.8	11.7
9	1202	7.0			0.51	1.7		17.4	17.8	11.9
9	1202	8.0			0.52	1.7		17.4	17.8	11.9
9	1202	9.0			0.53	1.8		17.5	17.7	12.0
9	1202	10.0			0.53	1.8		17.7	17.7	12.1
9	1202	11.0			0.52	1.8		17.8	17.7	12.2
9	1202	12.0			0.52	1.7		17.9	17.7	12.3
9	1202	13.0			0.51	1.7		17.9	17.7	12.3
9	1202	14.0			0.51	1.7		17.9	17.7	12.3
9	1202	15.0			0.51	1.6		17.9	17.7	12.3
9	1202	16.0			0.51	1.6		18.0	17.7	12.3
9	1202	17.0			0.50	1.6		18.0	17.8	12.3
9	1202	18.0			0.50	1.6		18.1	17.8	12.4
9	1202	19.0			0.50	1.6		18.2	17.8	12.5
9	1202	20.0			0.50	1.6		18.2	17.8	12.5
9	1202	21.0			0.50	1.6		18.2	17.8	12.5
9	1202	22.0			0.50	1.6		18.3	17.8	12.6
9	1202	23.0			0.50	1.6		18.4	17.8	12.6
9	1202	24.0			0.50	1.6		18.4	17.8	12.7
9	1202	25.0			0.50	1.6		18.4	17.8	12.7
9	1202	26.0			0.50	1.6		18.5	17.8	12.7
9	1202	27.0			0.50	1.6		18.5	17.8	12.7
9	1202	28.0			0.50	1.6		18.5	17.8	12.7
9	1202	29.0			0.50	1.6		18.5	17.8	12.7
9	1202	30.0			0.50	1.6		18.5	17.8	12.7
9	1202	31.0			0.50	1.6		18.5	17.8	12.7
9	1202	32.0			0.50	1.6		18.5	17.8	12.7
9	1202	33.0			0.50	1.6		18.5	17.8	12.7
9	1202	34.0			0.50	1.6		18.5	17.8	12.7
10	1148	1.0	1.6	0.66	0.49	1.5	1.8	16.9	18.3	11.4
10	1148	2.0			0.49	1.5		17.1	18.2	11.6
10	1148	3.0			0.49	1.5		17.2	18.1	11.7
10	1148	4.0			0.48	1.5		17.4	18.1	11.8
10	1148	5.0			0.48	1.4		17.5	18.0	11.9
10	1148	6.0			0.48	1.4		17.7	18.0	12.1
10	1148	7.0			0.48	1.4		17.9	17.9	12.2
10	1148	8.0			0.48	1.4		18.0	17.9	12.3
10	1148	9.0			0.46	1.3		18.0	17.9	12.3
10	1148	10.0			0.45	1.2		18.1	17.9	12.4
10	1148	11.0			0.46	1.3		18.5	17.9	12.7
10	1148	12.0			0.44	1.1		18.9	17.9	13.0
10	1148	13.0			0.45	1.2		19.0	17.8	13.1
10	1148	14.0			0.46	1.3		19.2	17.8	13.3
10	1148	15.0			0.48	1.4		19.4	17.8	13.4
10	1148	16.0	1.5	0.32	0.48	1.4		19.4	17.8	13.4
11	1128	1.0			0.61	2.5	1.6	19.4	18.6	13.3
11	1128	2.0			0.61	2.5		19.5	18.3	13.4
11	1128	3.0			0.60	2.4		19.5	18.2	13.4
11	1128	4.0			0.58	2.2		19.6	18.2	13.5
11	1128	5.0			0.56	2.0		19.8	17.9	13.7
11	1128	6.0			0.54	1.9		20.2	17.8	14.0
11	1128	7.0			0.54	1.9		20.5	17.8	14.2
11	1128	8.0			0.53	1.8		20.6	17.8	14.3



LOCATION: North San Francisco Bay  
 DATE: June 14, 1989  
 JULIAN DAY: 89165

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
11	1128	9.0								
11	1128	10.0			0.52	1.8		20.6	17.7	14.4
11	1128	11.0			0.51	1.7		20.6	17.7	14.4
11	1128	12.0			0.51	1.7		20.7	17.7	14.4
11	1128	13.0			0.51	1.7		20.7	17.7	14.4
11	1128	14.0			0.51	1.6		20.8	17.7	14.5
11	1128	15.0			0.50	1.6		20.8	17.7	14.5
11	1128	16.0			0.50	1.6		20.8	17.7	14.5
11	1128	17.0			0.50	1.6		20.9	17.7	14.6
11	1128	18.0			0.50	1.6		20.9	17.7	14.6
13	1053	1.0			0.49	1.5	1.6	23.0	17.7	16.2
13	1053	2.0			0.49	1.5		24.4	17.0	17.4
13	1053	3.0			0.47	1.4		25.0	16.8	17.9
13	1053	4.0			0.46	1.3		25.3	16.7	18.2
13	1053	5.0			0.46	1.3		25.7	16.6	18.5
13	1053	6.0			0.47	1.4		26.2	16.5	18.9
13	1053	7.0			0.48	1.5		26.4	16.5	19.1
13	1053	8.0			0.49	1.5		26.5	16.4	19.1
13	1053	9.0			0.50	1.6		26.6	16.4	19.2
13	1053	10.0			0.51	1.7		26.6	16.4	19.2
15	1020	1.0			0.44	1.1	1.2	25.1	17.0	17.9
15	1020	2.0			0.44	1.1		25.2	17.0	18.0
15	1020	3.0			0.43	1.1		25.3	16.8	18.1
15	1020	4.0			0.42	1.0		25.5	16.7	18.3
15	1020	5.0			0.41	0.9		25.6	16.6	18.4
15	1020	6.0			0.41	0.9		25.7	16.5	18.5
15	1020	7.0			0.40	0.8		25.8	16.4	18.6
15	1020	8.0			0.39	0.8		25.9	16.4	18.7
15	1020	9.0			0.39	0.7		26.0	16.3	18.8
15	1020	10.0			0.38	0.7		26.3	16.2	19.0
15	1020	11.0			0.38	0.7		26.3	16.1	19.1
15	1020	12.0			0.39	0.7		26.5	16.0	19.2
15	1020	13.0			0.42	1.0		26.4	16.0	19.2
15	1020	14.0			0.42	1.0		26.9	16.0	19.5
15	1020	15.0			0.42	1.0		27.6	16.0	20.1
15	1020	16.0			0.43	1.0		27.7	16.0	20.2
15	1020	17.0			0.45	1.2		27.8	16.0	20.3
15	1020	18.0			0.45	1.2		27.9	15.9	20.3
15	1020	19.0			0.47	1.3		28.1	15.9	20.5
15	1020	20.0			0.47	1.4		28.3	15.8	20.6
15	1020	21.0			0.50	1.6		28.4	15.8	20.7
15	1020	22.0			0.50	1.6		28.4	15.8	20.7

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  13    0.93    -2.2    7.63    0.4

LOCATION: South San Francisco Bay  
 DATE: June 15, 1989  
 JULIAN DAY: 89166

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	1708	1.0	4.1	0.59	0.93	4.3	3.2	27.8	21.1	19.0
32	1708	2.0			0.93	4.3		27.8	21.0	19.0
32	1708	3.0			0.94	4.3		27.8	21.0	19.1
32	1708	4.0			0.94	4.3		27.8	20.9	19.1
32	1708	5.0			0.93	4.3		27.9	20.8	19.1
32	1708	6.0			0.93	4.3		27.8	20.8	19.1
32	1708	7.0	4.4	0.58	0.93	4.3		27.9	20.5	19.2
32	1708	8.0			0.92	4.2		27.8	20.5	19.1
31	1655	1.0			0.75	3.3	2.0	27.9	20.0	19.4
31	1655	2.0			0.75	3.3		27.9	20.0	19.4
31	1655	3.0			0.74	3.2		28.0	19.7	19.5
31	1655	4.0			0.72	3.1		28.0	19.6	19.5
31	1655	5.0			0.71	3.1		28.1	19.6	19.6
31	1655	6.0			0.71	3.1		28.0	19.6	19.5
31	1655	7.0			0.72	3.1		28.0	19.6	19.5
31	1655	8.0			0.71	3.1		28.0	19.5	19.5
31	1655	9.0			0.72	3.1		28.0	19.5	19.5
31	1655	10.0			0.72	3.1		28.0	19.5	19.5
31	1655	11.0			0.71	3.1		28.0	19.5	19.5
31	1655	12.0			0.71	3.1		28.0	19.5	19.5
31	1655	13.0			0.71	3.1		28.0	19.5	19.6
31	1655	14.0			0.71	3.1		28.0	19.5	19.6
30	1635	1.0	3.5	0.77	0.76	3.4	1.6	28.1	19.4	19.7
30	1635	2.0			0.76	3.4		28.1	19.4	19.7
30	1635	3.0			0.76	3.4		28.1	19.4	19.7
30	1635	4.0			0.76	3.4		28.1	19.4	19.7
30	1635	5.0			0.76	3.4		28.1	19.3	19.7
30	1635	6.0			0.74	3.3		28.2	19.2	19.8
30	1635	7.0			0.72	3.2		28.2	19.0	19.9
30	1635	8.0			0.71	3.1		28.2	18.8	19.9
30	1635	9.0			0.70	3.0		28.2	18.8	19.9
30	1635	10.0			0.68	2.9		28.2	18.7	19.9
30	1635	11.0			0.67	2.9		28.2	18.7	19.9
30	1635	12.0			0.67	2.9		28.2	18.7	19.9
30	1635	13.0			0.68	2.9		28.2	18.7	19.9
30	1635	14.0			0.69	3.0		28.2	18.7	19.9
29	1608	1.0	2.5	0.42	0.63	2.7	1.5	28.2	18.4	20.0
29	1608	2.0			0.63	2.7		28.5	18.4	20.2
29	1608	3.0			0.63	2.6		28.5	18.4	20.2
29	1608	4.0			0.63	2.6		28.5	18.4	20.2
29	1608	5.0			0.61	2.5		28.7	18.1	20.4
29	1608	6.0			0.59	2.5		28.7	18.0	20.4
29	1608	7.0			0.59	2.5		28.6	17.9	20.4
29	1608	8.0			0.59	2.4		28.7	17.9	20.5
29	1608	9.0			0.59	2.4		28.6	17.8	20.5
29	1608	10.0			0.59	2.4		28.7	17.8	20.5
29	1608	11.0			0.58	2.4		28.7	17.8	20.5
29	1608	12.0			0.59	2.4		28.7	17.8	20.5
29	1608	13.0			0.59	2.4		28.7	17.8	20.5
29	1608	14.0			0.59	2.4		28.7	17.8	20.5
29	1608	15.0			0.59	2.5		28.7	17.8	20.5
28	1553	1.0			0.61	2.5	1.4	28.7	18.2	20.4
28	1553	2.0			0.61	2.5		28.7	18.2	20.4
28	1553	3.0			0.61	2.5		28.7	18.2	20.4
28	1553	4.0			0.60	2.5		28.7	18.2	20.4
28	1553	5.0			0.60	2.5		28.7	18.2	20.4
28	1553	6.0			0.60	2.5		28.7	18.2	20.4
28	1553	7.0			0.60	2.5		28.7	18.1	20.5
28	1553	8.0			0.58	2.4		28.8	18.0	20.5
28	1553	9.0			0.57	2.3		28.8	17.9	20.6
28	1553	10.0			0.56	2.3		28.8	17.8	20.6
								28.8	17.8	20.6

LOCATION: South San Francisco Bay  
 DATE: June 15, 1989  
 JULIAN DAY: 89166

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	1553	11.0			0.54	2.2		28.9	17.8	20.6
28	1553	12.0			0.53	2.1		28.9	17.7	20.7
28	1553	13.0			0.53	2.1		28.9	17.6	20.7
28	1553	14.0			0.52	2.1		28.9	17.6	20.7
28	1553	15.0			0.52	2.0		28.9	17.6	20.7
27	1535	1.0			0.54	2.2	1.6	29.0	17.7	20.8
27	1535	2.0			0.54	2.2		29.0	17.7	20.8
27	1535	3.0			0.55	2.2		29.0	17.7	20.8
27	1535	4.0			0.54	2.1		29.0	17.6	20.8
27	1535	5.0			0.53	2.1		29.1	17.6	20.8
27	1535	6.0			0.52	2.1		29.1	17.5	20.9
27	1535	7.0			0.52	2.0		29.2	17.4	20.9
27	1535	8.0			0.51	2.0		29.2	17.4	21.0
27	1535	9.0			0.51	2.0		29.3	17.4	21.0
27	1535	10.0			0.51	2.0		29.4	17.4	21.1
27	1535	11.0			0.51	2.0		29.5	17.4	21.2
27	1535	12.0	1.8	0.47	0.51	2.0		29.5	17.4	21.2
26	1520	1.0			0.64	2.7	1.4	29.4	17.6	21.1
26	1520	2.0			0.64	2.7		29.4	17.6	21.1
26	1520	3.0			0.63	2.7		29.5	17.5	21.1
26	1520	4.0			0.61	2.6		29.6	17.4	21.3
26	1520	5.0			0.60	2.5		29.5	17.3	21.3
26	1520	6.0			0.59	2.4		29.5	17.2	21.3
26	1520	7.0			0.58	2.4		29.5	17.2	21.2
26	1520	8.0			0.58	2.4		29.5	17.2	21.2
26	1520	9.0			0.58	2.4		29.5	17.2	21.2
26	1520	10.0			0.59	2.5		29.5	17.2	21.2
25	1500	1.0			0.61	2.5	1.4	29.5	17.6	21.1
25	1500	2.0			0.61	2.5		29.5	17.6	21.2
25	1500	3.0			0.60	2.5		29.5	17.4	21.2
25	1500	4.0			0.58	2.4		29.6	17.2	21.3
25	1500	5.0			0.56	2.2		29.6	17.1	21.4
25	1500	6.0			0.54	2.2		29.6	17.0	21.4
25	1500	7.0			0.53	2.1		29.6	17.0	21.4
25	1500	8.0			0.53	2.1		29.6	17.0	21.4
24	1441	1.0	2.2	0.69	0.54	2.1	1.2	29.6	17.6	21.2
24	1441	2.0			0.54	2.1		29.6	17.3	21.3
24	1441	3.0			0.53	2.1		29.7	16.8	21.5
24	1441	4.0			0.51	2.0		29.8	16.7	21.6
24	1441	5.0			0.50	1.9		29.8	16.7	21.6
24	1441	6.0			0.49	1.9		29.8	16.6	21.6
24	1441	7.0			0.48	1.8		29.8	16.6	21.6
24	1441	8.0			0.47	1.8		29.8	16.5	21.6
24	1441	9.0			0.47	1.8		29.8	16.5	21.6
24	1441	10.0	1.4	0.39	0.47	1.8		29.8	16.5	21.6
23	1423	1.0			0.61	2.5	1.1	30.0	16.6	21.8
23	1423	2.0			0.61	2.5		30.0	16.5	21.8
23	1423	3.0			0.63	2.7		30.0	16.5	21.8
23	1423	4.0			0.64	2.7		30.0	16.4	21.9
23	1423	5.0			0.65	2.7		30.0	16.4	21.8
23	1423	6.0			0.65	2.8		30.0	16.4	21.8
23	1423	7.0			0.65	2.8		30.0	16.4	21.8
23	1423	8.0			0.65	2.8		30.1	16.4	21.9
23	1423	9.0			0.65	2.7		30.1	16.3	21.9
23	1423	10.0			0.63	2.7		30.1	16.3	21.9
23	1423	11.0			0.60	2.5		30.1	16.1	22.0
23	1423	12.0			0.58	2.4		30.1	15.9	22.0
23	1423	13.0			0.56	2.3		30.1	15.8	22.1
23	1423	14.0			0.55	2.2		30.1	15.8	22.1
23	1423	15.0			0.55	2.2		30.1	15.8	22.1

LOCATION: South San Francisco Bay  
 DATE: June 15, 1989  
 JULIAN DAY: 89166

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
22	1400	1.0			0.59	2.4	1.0	30.0	16.0	21.9
22	1400	2.0			0.59	2.4		30.0	15.9	21.9
22	1400	3.0			0.62	2.6		30.0	15.9	21.9
22	1400	4.0			0.62	2.6		30.0	15.9	21.9
22	1400	5.0			0.61	2.6		30.0	15.9	21.9
22	1400	6.0			0.60	2.5		30.0	15.7	22.0
22	1400	7.0			0.59	2.5		30.1	15.7	22.0
22	1400	8.0			0.58	2.4		30.2	15.5	22.2
22	1400	9.0			0.56	2.3		30.2	15.5	22.2
22	1400	10.0			0.55	2.2		30.2	15.4	22.2
22	1400	11.0			0.52	2.0		30.2	15.4	22.2
22	1400	12.0			0.51	2.0		30.2	15.4	22.2
22	1400	13.0			0.51	2.0		30.2	15.4	22.2
22	1400	14.0			0.51	2.0		30.2	15.3	22.2
22	1400	15.0			0.51	2.0		30.3	15.3	22.3
22	1400	16.0			0.51	2.0		30.3	15.2	22.3
22	1400	17.0			0.53	2.1		30.3	15.2	22.3
22	1400	18.0			0.54	2.2		30.3	15.2	22.3
21	1345	1.0	3.4	0.75	0.65	2.8	1.3	29.9	17.1	21.6
21	1345	2.0			0.65	2.8		30.0	16.8	21.7
21	1345	3.0			0.63	2.7		30.2	16.0	22.1
21	1345	4.0			0.61	2.5		30.4	15.8	22.3
21	1345	5.0			0.60	2.5		30.6	15.5	22.5
21	1345	6.0			0.58	2.4		30.6	15.3	22.5
21	1345	7.0			0.56	2.3		30.5	15.1	22.5
21	1345	8.0			0.55	2.2		30.5	15.0	22.5
21	1345	9.0			0.54	2.2		30.6	15.0	22.5
21	1345	10.0			0.54	2.2		30.5	15.0	22.5
21	1345	11.0			0.53	2.1		30.6	15.0	22.6
21	1345	12.0			0.52	2.1		30.6	14.9	22.6
21	1345	13.0			0.51	2.0		30.6	14.9	22.6
21	1345	14.0			0.53	2.1		30.6	14.9	22.6
21	1345	15.0			0.51	2.0		30.6	14.9	22.6
21	1345	16.0			0.52	2.0		30.7	14.8	22.7
21	1345	17.0			0.51	2.0		30.7	14.8	22.7
21	1345	18.0	2.4	0.42	0.51	2.0		30.7	14.8	22.7

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  9    0.89    -0.8    5.52    0.4

LOCATION: South San Francisco Bay  
 DATE: June 28, 1989  
 JULIAN DAY: 89179

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGM7
32	1445	1.0	4.6	0.77	1.09	4.6	1.7	28.6	20.5	19.7
32	1445	2.0			1.09	4.6				
32	1445	3.0			1.08	4.6				
32	1445	4.0			1.06	4.5				
32	1445	5.0			1.04	4.4				
32	1445	6.0			1.03	4.3				
32	1445	7.0			1.02	4.3				
32	1445	8.0	3.0	0.55	1.00	4.2	2.0	28.7	20.5	19.8
32	1445	9.0			0.99	4.1				
31	1441	1.0			0.85	3.4				
31	1441	2.0	3.1	0.67	0.85	3.4	1.7	28.8	20.5	19.9
31	1441	3.0			0.85	3.4				
31	1441	4.0			0.85	3.4				
31	1441	5.0			0.85	3.4				
31	1441	6.0			0.85	3.4				
31	1441	7.0			0.85	3.4				
31	1441	8.0			0.85	3.4				
31	1441	9.0			0.86	3.5				
31	1441	10.0			0.86	3.5				
31	1441	11.0			0.85	3.5				
31	1441	12.0			0.84	3.4				
31	1441	13.0			0.85	3.4				
30	1421	1.0			0.86	3.5				
30	1421	2.0	2.6	0.45	0.81	3.2	1.7	29.0	20.3	20.1
30	1421	3.0			0.81	3.2				
30	1421	4.0			0.80	3.2				
30	1421	5.0			0.79	3.1				
30	1421	6.0			0.78	3.1				
30	1421	7.0			0.76	3.0				
30	1421	8.0			0.75	3.0				
30	1421	9.0			0.74	2.9				
30	1421	10.0			0.74	2.9				
30	1421	11.0			0.73	2.9				
30	1421	12.0			0.72	2.8				
30	1421	13.0			0.72	2.8				
30	1421	14.0			0.71	2.8				
29	1355	1.0			0.71	2.8				
29	1355	2.0	2.6	0.45	0.60	2.2	1.9	29.2	20.1	20.3
29	1355	3.0			0.60	2.2				
29	1355	4.0			0.60	2.2				
29	1355	5.0			0.59	2.2				
29	1355	6.0			0.59	2.2				
29	1355	7.0			0.59	2.2				
29	1355	8.0			0.59	2.2				
29	1355	9.0			0.59	2.2				
29	1355	10.0			0.59	2.2				
29	1355	11.0			0.60	2.2				
29	1355	12.0			0.59	2.2				
29	1355	13.0			0.60	2.2				
29	1355	14.0			0.60	2.2				
28	1340	1.0			0.60	2.2				
28	1340	2.0	2.6	0.45	0.61	2.3	1.7	29.2	20.0	20.4
28	1340	3.0			0.61	2.3				
28	1340	4.0			0.61	2.3				
28	1340	5.0			0.61	2.3				
28	1340	6.0			0.60	2.2				
28	1340	7.0			0.60	2.2				
28	1340	8.0			0.60	2.2				
28	1340	9.0			0.59	2.2				
28	1340	10.0			0.59	2.2				
28	1340	11.0			0.58	2.1				
28	1340	12.0			0.55	2.0				

LOCATION: South San Francisco Bay  
 DATE: June 28, 1989  
 JULIAN DAY: 89179

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28	1340	12.0			0.55	2.0				
28	1340	13.0			0.56	2.0		29.3	20.0	20.5
28	1340	14.0			0.57	2.1		29.3	19.9	20.5
28	1340	15.0			0.58	2.1		29.3	19.9	20.5
27	1323	1.0	2.0	0.64	0.58	2.2	1.7	29.3	20.0	20.4
27	1323	2.0			0.58	2.2		29.3	20.0	20.4
27	1323	3.0			0.58	2.1		29.3	20.0	20.5
27	1323	4.0			0.57	2.1		29.3	20.0	20.5
27	1323	5.0			0.56	2.0		29.4	19.9	20.5
27	1323	6.0			0.55	2.0		29.4	19.9	20.5
27	1323	7.0			0.53	1.9		29.5	19.8	20.6
27	1323	8.0			0.53	1.9		29.5	19.8	20.6
27	1323	9.0			0.52	1.8		29.5	19.8	20.6
27	1323	10.0			0.52	1.8		29.5	19.8	20.6
27	1323	11.0	1.6	0.36	0.51	1.8		29.5	19.8	20.6
26	1307	1.0			0.51	1.8	1.4	29.6	19.5	20.8
26	1307	2.0			0.51	1.8		29.6	19.5	20.8
26	1307	3.0			0.51	1.8		29.7	19.4	20.8
26	1307	4.0			0.51	1.8		29.7	19.4	20.9
26	1307	5.0			0.50	1.8		29.7	19.3	20.9
26	1307	6.0			0.50	1.8		29.7	19.3	20.9
26	1307	7.0			0.49	1.7		29.8	19.2	21.0
26	1307	8.0			0.49	1.7		29.8	19.1	21.0
26	1307	9.0			0.49	1.7		29.8	19.1	21.0
25	1244	1.0			0.52	1.9	1.3	29.7	19.2	20.9
25	1244	2.0			0.52	1.9		29.7	19.2	21.0
25	1244	3.0			0.51	1.8		29.9	19.0	21.1
25	1244	4.0			0.49	1.7		30.0	18.8	21.3
25	1244	5.0			0.48	1.7		30.1	18.6	21.4
25	1244	6.0			0.47	1.6		30.1	18.4	21.5
25	1244	7.0			0.46	1.6		30.1	18.3	21.5
25	1244	8.0			0.46	1.6		30.1	18.3	21.5
24	1226	1.0	1.4	0.49	0.48	1.7	1.3	30.2	18.2	21.5
24	1226	2.0			0.48	1.7		30.2	18.1	21.6
24	1226	3.0			0.48	1.6		30.3	17.9	21.7
24	1226	4.0			0.47	1.6		30.3	17.9	21.7
24	1226	5.0			0.47	1.6		30.3	17.8	21.8
24	1226	6.0			0.46	1.6		30.3	17.8	21.8
24	1226	7.0			0.46	1.6		30.3	17.8	21.8
24	1226	8.0			0.48	1.7		30.3	17.8	21.8
24	1226	9.0			0.47	1.6		30.3	17.7	21.8
24	1226	10.0	1.4	0.33	0.48	1.7		30.4	17.7	21.8
23	1206	1.0			0.53	1.9	1.5	30.4	17.5	21.9
23	1206	2.0			0.53	1.9		30.4	17.5	21.9
23	1206	3.0			0.53	1.9		30.4	17.4	21.9
23	1206	4.0			0.52	1.8		30.4	17.4	21.9
23	1206	5.0			0.52	1.8		30.5	17.4	21.9
23	1206	6.0			0.51	1.8		30.5	17.3	22.0
23	1206	7.0			0.51	1.8		30.5	17.2	22.0
23	1206	8.0			0.52	1.8		30.5	17.2	22.0
23	1206	9.0			0.52	1.9		30.5	17.2	22.0
23	1206	10.0			0.54	2.0		30.6	17.0	22.2
23	1206	11.0			0.54	2.0		30.6	16.9	22.2
23	1206	12.0			0.56	2.1		30.7	16.9	22.2
23	1206	13.0			0.57	2.1		30.7	16.9	22.2
23	1206	14.0			0.59	2.2		30.7	16.8	22.2
23	1206	15.0			0.59	2.2		30.7	16.8	22.2
22	1138	1.0			0.64	2.4	1.4	30.7	16.7	22.3
22	1138	2.0			0.64	2.4		30.7	16.6	22.3

LOCATION: South San Francisco Bay  
 DATE: June 28, 1989  
 JULIAN DAY: 89179

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22	1138	3.0								
22	1138	4.0			0.64	2.4		30.7	16.6	22.3
22	1138	5.0			0.65	2.5		30.7	16.6	22.3
22	1138	6.0			0.64	2.4		30.7	16.6	22.3
22	1138	7.0			0.64	2.4		30.7	16.5	22.3
22	1138	8.0			0.64	2.4		30.7	16.5	22.4
22	1138	9.0			0.64	2.4		30.7	16.5	22.4
22	1138	10.0			0.64	2.4		30.8	16.3	22.5
22	1138	11.0			0.64	2.4		30.8	16.3	22.5
22	1138	12.0			0.64	2.4		30.9	16.2	22.5
22	1138	13.0			0.64	2.4		30.9	16.0	22.6
22	1138	14.0			0.63	2.4		30.9	16.0	22.6
22	1138	15.0			0.64	2.4		30.9	16.0	22.6
22	1138	16.0			0.64	2.4		30.9	16.0	22.6
22	1138	17.0			0.65	2.5		30.9	16.0	22.6
					0.66	2.5		30.9	16.0	22.6
21	1120	1.0	3.7	0.60						
21	1120	2.0			0.77	3.0	1.8	30.8	16.7	22.3
21	1120	3.0			0.77	3.0		30.8	16.7	22.3
21	1120	4.0			0.77	3.1		30.8	16.7	22.3
21	1120	5.0			0.77	3.1		30.8	16.7	22.3
21	1120	6.0			0.77	3.1		30.8	16.7	22.3
21	1120	7.0			0.77	3.1		30.8	16.7	22.3
21	1120	8.0			0.76	3.0		30.8	16.6	22.4
21	1120	9.0			0.74	2.9		30.9	16.3	22.5
21	1120	10.0			0.74	2.9		30.9	16.0	22.6
21	1120	11.0			0.73	2.9		31.0	15.9	22.7
21	1120	12.0			0.72	2.8		31.0	15.8	22.7
21	1120	13.0			0.72	2.8		31.1	15.8	22.8
21	1120	14.0			0.72	2.8		31.1	15.7	22.8
21	1120	15.0			0.71	2.8		31.2	15.7	22.9
21	1120	16.0			0.72	2.8		31.3	15.6	23.0
21	1120	17.0			0.72	2.8		31.3	15.5	23.0
21	1120	18.0	4.8	0.43	0.75	3.0		31.3	15.5	23.1
					0.78	3.1		31.4	15.5	23.1

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  10      0.66      -0.7      4.84      0.8

LOCATION: North San Francisco Bay  
 DATE: July 11, 1989  
 JULIAN DAY: 89192

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657	1731	1.0	2.0	0.68	0.52	1.6	1.7	0.1	22.6	
657	1731	2.0			0.52	1.6		0.1	22.6	0.0
657	1731	3.0			0.52	1.6		0.1	22.6	0.0
657	1731	4.0			0.52	1.6		0.1	22.6	0.0
657	1731	5.0			0.52	1.6		0.1	22.6	0.0
657	1731	6.0			0.52	1.6		0.1	22.6	0.0
657	1731	7.0			0.52	1.6		0.1	22.6	0.0
657	1731	8.0	1.3	0.48	0.52	1.6		0.1	22.6	0.0
657	1731	9.0			0.51	1.6		0.1	22.6	0.0
								0.1	22.5	0.0
653	1658	1.0			0.61	2.0	2.0	0.2	22.0	0.0
653	1658	2.0			0.61	2.0		0.2	22.0	0.0
653	1658	3.0			0.61	2.0		0.2	22.0	0.0
653	1658	4.0			0.61	2.0		0.2	22.0	0.0
653	1658	5.0			0.61	2.0		0.2	22.0	0.0
653	1658	6.0			0.61	2.0		0.2	22.0	0.0
653	1658	7.0			0.62	2.0		0.2	22.0	0.0
653	1658	8.0			0.62	2.1		0.2	22.0	0.0
649	1623	1.0			0.75	2.6	3.1	0.7	21.3	0.0
649	1623	2.0			0.75	2.6		0.7	21.2	0.0
649	1623	3.0			0.74	2.6		0.7	21.2	0.0
649	1623	4.0			0.76	2.6		0.7	21.2	0.0
649	1623	5.0			0.76	2.6		0.7	21.2	0.0
649	1623	6.0			0.76	2.6		0.7	21.2	0.0
649	1623	7.0			0.76	2.7		0.7	21.1	0.0
649	1623	8.0			0.76	2.7		0.7	21.1	0.0
649	1623	9.0			0.76	2.7		0.7	21.1	0.0
649	1623	10.0			0.76	2.7		0.7	21.1	0.0
649	1623	11.0			0.75	2.6		0.7	21.1	0.0
					0.74	2.6		0.7	21.1	0.0
2	1601	1.0	2.7	0.52	0.73	2.5	2.9	1.8	21.6	0.0
2	1601	2.0			0.73	2.5		1.8	21.6	0.0
2	1601	3.0			0.73	2.5		1.8	21.6	0.0
2	1601	4.0			0.73	2.5		1.8	21.6	0.0
2	1601	5.0			0.72	2.5		1.8	21.6	0.0
2	1601	6.0			0.73	2.5		2.0	21.6	0.0
2	1601	7.0			0.73	2.5		2.2	21.7	0.0
2	1601	8.0			0.73	2.5		2.2	21.7	0.0
2	1601	9.0			0.74	2.6		2.3	21.8	0.0
2	1601	10.0			0.74	2.6		2.4	21.8	0.0
2	1601	11.0	2.7	0.57	0.73	2.5		2.5	21.8	0.0
					0.72	2.5		2.5	21.8	0.0
3	1546	1.0			0.68	2.3	3.0	2.4	21.7	0.0
3	1546	2.0			0.68	2.3		2.4	21.7	0.0
3	1546	3.0			0.68	2.3		2.4	21.7	0.0
3	1546	4.0			0.69	2.4		2.4	21.7	0.0
3	1546	5.0			0.69	2.4		2.4	21.7	0.0
3	1546	6.0			0.68	2.3		2.4	21.7	0.0
3	1546	7.0			0.68	2.3		2.6	21.6	0.0
3	1546	8.0			0.67	2.3		2.7	21.5	0.0
3	1546	9.0			0.67	2.3		2.9	21.5	0.1
3	1546	10.0			0.66	2.2		3.0	21.4	0.1
3	1546	11.0			0.64	2.2		3.0	21.4	0.2
3	1546	12.0			0.63	2.1		3.1	21.4	0.3
3	1546	13.0			0.63	2.1		3.4	21.4	0.5
								3.6	21.3	0.7
4	1518	1.0			0.65	2.2	3.7	4.2	21.6	1.0
4	1518	2.0			0.65	2.2		4.2	21.5	1.0
4	1518	3.0			0.64	2.2		4.2	21.4	1.1
4	1518	4.0			0.64	2.1		4.4	21.2	1.3
4	1518	5.0			0.64	2.1		4.5	21.2	1.4
4	1518	6.0			0.64	2.2		4.6	21.2	1.5
4	1518	7.0			0.64	2.1		4.6	21.2	1.5
4	1518	8.0			0.64	2.1		4.6	21.2	1.5



LOCATION: North San Francisco Bay  
 DATE: July 11, 1989  
 JULIAN DAY: 89192

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
4	1518	9.0			0.63	2.1				
4	1518	10.0			0.63	2.1		4.7	21.2	1.5
4	1518	11.0			0.62	2.1		4.7	21.2	1.5
5	1432	1.0							21.2	1.5
5	1432	2.0			0.69	2.4	2.3	6.5	21.4	2.8
5	1432	3.0			0.69	2.4		6.5	21.4	2.8
5	1432	4.0			0.69	2.4		6.5	21.4	2.8
5	1432	5.0			0.68	2.3		6.5	21.4	2.8
5	1432	6.0			0.68	2.3		6.5	21.4	2.8
5	1432	7.0			0.68	2.3		6.5	21.4	2.9
5	1432	8.0			0.64	2.1		6.9	21.2	3.1
5	1432	9.0			0.62	2.1		7.4	21.2	3.6
5	1432	10.0			0.60	2.0		7.5	21.2	3.6
5	1432	11.0			0.58	1.9		7.6	21.2	3.7
5	1432	12.0			0.56	1.8		8.1	21.3	4.1
					0.55	1.8		8.3	21.3	4.2
6	1351	1.0	2.3	0.65	0.64	2.2	2.2	8.7	21.3	4.5
6	1351	2.0			0.64	2.2		8.7	21.3	4.5
6	1351	3.0			0.64	2.1		8.7	21.2	4.5
6	1351	4.0			0.64	2.1		8.8	21.2	4.6
6	1351	5.0			0.63	2.1		8.9	21.1	4.7
6	1351	6.0			0.64	2.1		9.0	21.0	4.8
6	1351	7.0			0.64	2.1		9.5	20.8	5.2
6	1351	8.0			0.62	2.0		10.4	20.9	5.9
6	1351	9.0			0.59	1.9		12.1	20.9	7.2
6	1351	10.0			0.57	1.8		13.2	20.8	8.0
6	1351	11.0	1.2	0.45	0.55	1.8		13.6	20.8	8.3
7	1320	1.0			0.62	2.1	1.8	12.1	21.0	7.2
7	1320	2.0			0.62	2.1		12.1	21.0	7.2
7	1320	3.0			0.61	2.0		12.3	20.9	7.3
7	1320	4.0			0.59	1.9		12.8	20.7	7.7
7	1320	5.0			0.56	1.8		13.8	20.6	8.5
7	1320	6.0			0.54	1.7		14.3	20.5	8.9
7	1320	7.0			0.53	1.7		14.9	20.5	9.4
7	1320	8.0			0.53	1.7		15.2	20.5	9.6
7	1320	9.0			0.51	1.6		15.4	20.5	9.7
7	1320	10.0			0.51	1.6		15.5	20.5	9.9
7	1320	11.0			0.51	1.6		15.7	20.5	10.0
7	1320	12.0			0.50	1.5		15.8	20.5	10.1
7	1320	13.0			0.50	1.5		15.9	20.5	10.1
7	1320	14.0			0.50	1.5		16.0	20.5	10.2
7	1320	15.0			0.50	1.5		16.1	20.5	10.3
7	1320	16.0			0.50	1.5		16.2	20.5	10.4
8	1246	1.0	3.0	0.79	0.90	3.3	1.4	15.0	20.8	9.4
8	1246	2.0			0.90	3.3		15.0	20.8	9.3
8	1246	3.0			0.90	3.3		14.9	20.8	9.3
8	1246	4.0			0.84	3.0		15.1	20.6	9.5
8	1246	5.0			0.75	2.6		16.5	20.4	10.6
8	1246	6.0			0.69	2.4		18.1	20.3	11.8
8	1246	7.0			0.64	2.2		18.4	20.2	12.1
8	1246	8.0			0.61	2.0		18.5	20.2	12.1
8	1246	9.0			0.60	2.0		18.7	20.2	12.3
8	1246	10.0			0.58	1.9		18.9	20.2	12.4
8	1246	11.0			0.56	1.8		18.9	20.2	12.5
8	1246	12.0			0.55	1.7		19.1	20.3	12.6
8	1246	13.0	1.6	0.50	0.54	1.7		19.4	20.3	12.8
9	1214	1.0			0.58	1.9	1.5	15.1	20.3	9.5
9	1214	2.0			0.58	1.9		15.9	20.3	10.2
9	1214	3.0			0.57	1.9		16.4	20.4	10.5
9	1214	4.0			0.58	1.9		16.5	20.4	10.6
9	1214	5.0			0.59	1.9		16.5	20.5	10.6

LOCATION: North San Francisco Bay  
 DATE: July 11, 1989  
 JULIAN DAY: 89192

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
9	1214	6.0			0.58	1.9		17.0	20.3	11.1
9	1214	7.0			0.55	1.8		18.6	20.1	12.2
9	1214	8.0			0.55	1.7		19.6	20.2	13.0
9	1214	9.0			0.54	1.7		19.8	20.2	13.1
9	1214	10.0			0.54	1.7		19.8	20.2	13.2
9	1214	11.0			0.53	1.7		19.8	20.2	13.2
9	1214	12.0			0.52	1.6		19.9	20.2	13.2
9	1214	13.0			0.52	1.6		20.1	20.2	13.4
9	1214	14.0			0.52	1.6		20.2	20.2	13.5
9	1214	15.0			0.51	1.6		20.3	20.2	13.5
9	1214	16.0			0.52	1.6		20.3	20.2	13.5
9	1214	17.0			0.53	1.7		20.3	20.2	13.6
9	1214	18.0			0.52	1.6		20.4	20.2	13.6
9	1214	19.0			0.54	1.7		20.4	20.2	13.6
9	1214	20.0			0.53	1.7		20.5	20.2	13.7
9	1214	21.0			0.55	1.8		20.9	20.2	14.0
9	1214	22.0			0.55	1.8		21.0	20.1	14.1
9	1214	23.0			0.55	1.8		21.1	20.1	14.2
9	1214	24.0			0.57	1.8		21.1	20.1	14.2
9	1214	25.0			0.56	1.8		21.1	20.1	14.2
9	1214	26.0			0.58	1.9		21.2	20.1	14.3
9	1214	27.0			0.58	1.9		21.2	20.0	14.3
9	1214	28.0			0.59	1.9		21.2	20.0	14.3
10	1158	1.0	1.9	0.70	0.53	1.7	1.4	17.1	20.5	11.0
10	1158	2.0			0.53	1.7		17.5	20.3	11.4
10	1158	3.0			0.53	1.7		18.2	20.2	12.0
10	1158	4.0			0.53	1.7		18.7	20.2	12.3
10	1158	5.0			0.52	1.6		18.9	20.1	12.5
10	1158	6.0			0.52	1.6		19.1	20.1	12.6
10	1158	7.0			0.52	1.6		19.2	20.1	12.8
10	1158	8.0			0.52	1.6		19.4	20.1	12.9
10	1158	9.0			0.53	1.7		19.9	20.2	13.2
10	1158	10.0			0.53	1.7		20.1	20.2	13.4
10	1158	11.0			0.52	1.6		20.5	20.2	13.7
10	1158	12.0			0.55	1.7		21.0	20.2	14.0
10	1158	13.0			0.56	1.8		21.1	20.1	14.2
10	1158	14.0			0.56	1.8		21.2	20.1	14.2
10	1158	15.0			0.58	1.9		21.4	20.0	14.4
10	1158	16.0			0.58	1.9		21.7	20.0	14.7
10	1158	17.0			0.59	1.9		22.0	19.9	14.9
10	1158	18.0			0.59	1.9		22.0	19.8	14.9
10	1158	19.0	1.7	0.42	0.59	1.9		22.1	19.8	15.0
11	1130	1.0			0.69	2.4	2.8	21.9	19.4	14.9
11	1130	2.0			0.69	2.4		21.8	19.4	14.9
11	1130	3.0			0.69	2.4		21.9	19.4	14.9
11	1130	4.0			0.69	2.4		21.9	19.3	15.0
11	1130	5.0			0.70	2.4		22.1	19.3	15.1
11	1130	6.0			0.69	2.4		22.2	19.3	15.2
11	1130	7.0			0.70	2.4		22.4	19.3	15.3
11	1130	8.0			0.69	2.4		22.4	19.3	15.4
11	1130	9.0			0.69	2.4		22.5	19.3	15.4
11	1130	10.0			0.68	2.3		22.5	19.3	15.5
11	1130	11.0			0.69	2.4		22.7	19.2	15.6
11	1130	12.0			0.69	2.4		23.1	19.1	15.9
11	1130	13.0			0.69	2.4		23.4	19.1	16.2
11	1130	14.0			0.68	2.3		23.5	19.1	16.2
11	1130	15.0			0.67	2.3		23.5	19.2	16.2
11	1130	16.0			0.65	2.2		23.6	19.2	16.3
11	1130	17.0			0.64	2.1		23.7	19.3	16.3
13	1051	1.0			0.77	2.7	1.4	23.4	19.3	16.1
13	1051	2.0			0.77	2.7		23.4	19.3	16.1
13	1051	3.0			0.78	2.7		23.4	19.3	16.1

LOCATION: North San Francisco Bay  
 DATE: July 11, 1989  
 JULIAN DAY: 89192

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
13	1051	4.0			0.77	2.7		23.4	19.3	16.1
13	1051	5.0			0.77	2.7		23.5	19.3	16.2
13	1051	6.0			0.71	2.4		24.5	19.0	17.0
13	1051	7.0			0.66	2.2		25.7	18.8	18.0
13	1051	8.0			0.61	2.0		26.6	18.4	18.8
13	1051	9.0			0.57	1.9		27.0	18.2	19.1
13	1051	10.0			0.55	1.7		27.0	18.2	19.1
15	1008	1.0	2.2	0.76	0.56	1.8	1.0	28.1	18.0	20.0
15	1008	2.0			0.56	1.8		28.1	18.0	20.0
15	1008	3.0			0.58	1.9		28.1	18.0	20.0
15	1008	4.0			0.58	1.9		28.1	18.0	20.0
15	1008	5.0			0.58	1.9		28.1	18.0	20.0
15	1008	6.0			0.58	1.9		28.1	18.0	20.0
15	1008	7.0			0.57	1.9		28.1	18.0	20.0
15	1008	8.0			0.57	1.8		28.2	18.0	20.1
15	1008	9.0			0.56	1.8		28.2	18.0	20.1
15	1008	10.0			0.55	1.8		28.6	17.9	20.4
15	1008	11.0			0.54	1.7		29.0	17.9	20.7
15	1008	12.0			0.53	1.7		29.2	17.8	20.9
15	1008	13.0			0.52	1.6		29.4	17.8	21.0
15	1008	14.0			0.52	1.6		29.4	17.7	21.1
15	1008	15.0			0.52	1.6		29.5	17.7	21.2
15	1008	16.0			0.51	1.6		29.6	17.6	21.2
15	1008	17.0			0.51	1.6		29.6	17.6	21.3
15	1008	18.0			0.51	1.6		29.7	17.6	21.3
15	1008	19.0			0.51	1.6		29.7	17.5	21.3
15	1008	20.0			0.51	1.6		29.7	17.5	21.3
15	1008	21.0			0.51	1.6		29.7	17.5	21.3
15	1008	22.0			0.52	1.6		29.8	17.5	21.4
17	903	1.0			0.69	2.4	0.9	31.2	16.4	22.8
17	903	2.0			0.69	2.4		31.2	16.4	22.8
17	903	3.0			0.70	2.4		31.2	16.4	22.8
17	903	4.0			0.69	2.4		31.2	16.4	22.8
17	903	5.0			0.70	2.4		31.2	16.4	22.8
17	903	6.0			0.67	2.3		31.3	16.4	22.8
17	903	7.0			0.65	2.2		31.4	16.3	23.0
17	903	8.0			0.62	2.1		31.6	16.1	23.1
17	903	9.0			0.61	2.0		31.7	15.9	23.3
17	903	10.0			0.58	1.9		31.7	15.8	23.3
17	903	11.0			0.57	1.8		31.8	15.8	23.3
17	903	12.0			0.55	1.8		31.9	15.6	23.4
17	903	13.0			0.54	1.7		32.0	15.3	23.6
17	903	14.0			0.55	1.7		32.2	15.0	23.8
17	903	15.0			0.56	1.8		32.3	14.9	23.9
17	903	16.0			0.57	1.8		32.3	14.9	23.9
17	903	17.0			0.56	1.8		32.3	14.9	23.9
17	903	18.0			0.57	1.8		32.3	14.9	23.9
17	903	19.0			0.58	1.9		32.3	14.9	23.9
17	903	20.0			0.58	1.9		32.3	14.9	23.9
17	903	21.0			0.59	1.9		32.3	14.9	23.9
17	903	22.0			0.60	2.0		32.3	14.9	23.9
17	903	23.0			0.60	2.0		32.3	14.9	23.9
17	903	24.0			0.60	2.0		32.3	14.9	23.9
17	903	25.0			0.60	2.0		32.3	14.8	23.9
17	903	26.0			0.60	2.0		32.3	14.8	24.0
17	903	27.0			0.62	2.0		32.3	14.8	24.0
17	903	28.0			0.61	2.0		32.3	14.7	24.0
17	903	29.0			0.61	2.0		32.3	14.7	24.0
17	903	30.0			0.60	2.0		32.3	14.7	24.0
17	903	31.0			0.60	2.0		32.4	14.7	24.0
17	903	32.0			0.60	2.0		32.4	14.6	24.1
17	903	33.0			0.61	2.0		32.5	14.5	24.1
17	903	34.0			0.60	2.0		32.5	14.5	24.2

LOCATION: North San Francisco Bay  
 DATE: July 11, 1989  
 JULIAN DAY: 89192

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
17	903	35.0			0.61	2.0		32.5	14.4	24.2
17	903	36.0			0.63	2.1		32.5	14.4	24.2
17	903	37.0			0.62	2.0		32.5	14.4	24.2

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx

                                 11      0.73      -0.6      4.31      0.3

LOCATION: South San Francisco Bay  
 DATE: July 12, 1989  
 JULIAN DAY: 89193

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
30	1730	1.0	3.9	0.64	0.96	3.8	1.6	29.8	20.6	20.7
30	1730	2.0			0.96	3.8				
30	1730	3.0			0.96	3.8				
30	1730	4.0			0.96	3.8				
30	1730	5.0			0.96	3.8				
30	1730	6.0			0.96	3.8				
30	1730	7.0			0.96	3.8				
30	1730	8.0			0.97	3.8				
30	1730	9.0			0.97	3.9				
30	1730	10.0			0.98	3.9				
30	1730	11.0			0.97	3.9				
30	1730	12.0			0.97	3.9				
30	1730	13.0			0.95	3.7				
30	1730	14.0			0.93	3.6				
30	1730	15.0	2.9	0.51	0.89	3.4	1.5	29.9	20.5	20.7
30	1730	15.0			0.87	3.3				
29	1708	1.0			0.71	2.5				
29	1708	2.0			0.71	2.5				
29	1708	3.0			0.71	2.5				
29	1708	4.0			0.71	2.5				
29	1708	5.0			0.71	2.5				
29	1708	6.0			0.71	2.5				
29	1708	7.0			0.70	2.4				
29	1708	8.0			0.70	2.4				
29	1708	9.0			0.70	2.4				
29	1708	10.0			0.71	2.5				
29	1708	11.0			0.71	2.5				
29	1708	12.0			0.71	2.5				
29	1708	13.0			0.70	2.4				
29	1708	14.0			0.70	2.4				
29	1708	15.0			0.70	2.4				
28	1656	1.0	2.4	0.69	0.63	2.0	1.5	30.0	20.0	21.0
28	1656	2.0			0.63	2.0				
28	1656	3.0			0.63	2.0				
28	1656	4.0			0.63	2.0				
28	1656	5.0			0.63	2.0				
28	1656	6.0			0.63	2.0				
28	1656	7.0			0.63	2.0				
28	1656	8.0			0.63	2.0				
28	1656	9.0			0.63	2.0				
28	1656	10.0			0.63	2.0				
28	1656	11.0			0.63	2.0				
28	1656	12.0			0.62	2.0				
28	1656	13.0			0.62	2.0				
28	1656	14.0			0.61	2.0				
28	1656	15.0			0.61	1.9				
28	1656	16.0			0.61	1.9				
27	1643	1.0	2.0	0.51	0.67	2.3	1.6	30.1	19.9	21.1
27	1643	2.0			0.67	2.3				
27	1643	3.0			0.67	2.3				
27	1643	4.0			0.67	2.3				
27	1643	5.0			0.67	2.2				
27	1643	6.0			0.66	2.2				
27	1643	7.0			0.66	2.2				
27	1643	8.0			0.66	2.2				
27	1643	9.0			0.66	2.2				
27	1643	10.0			0.66	2.2				
27	1643	11.0			0.66	2.2				
27	1643	12.0			0.64	2.1				
27	1643	13.0			0.63	2.1				
27	1643	14.0			0.63	2.1				
26	1630	1.0			0.74	2.6	1.2	30.3	19.3	21.4
26	1630	1.0			0.74	2.6				

LOCATION: South San Francisco Bay  
 DATE: July 12, 1989  
 JULIAN DAY: 89193

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
26	1630	2.0			0.74	2.6				
26	1630	3.0			0.75	2.7		30.3	19.3	21.4
26	1630	4.0			0.75	2.7		30.3	19.3	21.4
26	1630	5.0			0.74	2.6		30.3	19.3	21.4
26	1630	6.0			0.74	2.6		30.3	19.3	21.4
26	1630	7.0			0.74	2.6		30.3	19.3	21.4
26	1630	8.0			0.73	2.6		30.3	19.3	21.4
26	1630	9.0			0.73	2.6		30.3	19.3	21.4
26	1630	10.0			0.73	2.6		30.3	19.3	21.4
26	1630	11.0			0.72	2.5		30.3	19.3	21.4
25	1612	1.0			0.55	1.6	0.9	30.5	19.0	21.6
25	1612	2.0			0.55	1.6		30.5	19.0	21.6
25	1612	3.0			0.55	1.6		30.5	19.0	21.6
25	1612	4.0			0.55	1.6		30.5	19.0	21.6
25	1612	5.0			0.55	1.6		30.5	19.0	21.6
25	1612	6.0			0.55	1.6		30.5	19.0	21.6
25	1612	7.0			0.55	1.6		30.5	19.0	21.6
25	1612	8.0			0.54	1.6		30.5	19.0	21.6
25	1612	9.0			0.56	1.7		30.5	19.0	21.6
25	1612	10.0			0.57	1.7		30.5	19.0	21.6
24	1557	1.0	2.5	0.71	0.73	2.6	0.9	30.6	18.9	21.7
24	1557	2.0			0.73	2.6		30.6	18.9	21.7
24	1557	3.0			0.73	2.6		30.6	18.9	21.7
24	1557	4.0			0.72	2.5		30.6	18.9	21.7
24	1557	5.0			0.71	2.5		30.6	18.9	21.7
24	1557	6.0			0.67	2.3		30.6	18.8	21.7
24	1557	7.0			0.63	2.0		30.7	18.6	21.8
24	1557	8.0			0.59	1.9		30.7	18.6	21.8
24	1557	9.0			0.57	1.7		30.7	18.6	21.8
24	1557	10.0			0.53	1.5		30.7	18.5	21.8
24	1557	11.0	0.7	0.22	0.50	1.4		30.7	18.5	21.8
23	1543	1.0			0.80	2.9	0.8	30.6	18.7	21.7
23	1543	2.0			0.80	2.9		30.6	18.7	21.7
23	1543	3.0			0.80	2.9		30.6	18.7	21.7
23	1543	4.0			0.79	2.9		30.6	18.7	21.8
23	1543	5.0			0.77	2.8		30.6	18.7	21.8
23	1543	6.0			0.69	2.4		30.7	18.5	21.8
23	1543	7.0			0.64	2.1		30.7	18.3	21.9
23	1543	8.0			0.60	1.9		30.8	18.2	22.0
23	1543	9.0			0.57	1.7		30.8	18.1	22.0
23	1543	10.0			0.53	1.5		30.8	18.1	22.0
23	1543	11.0			0.50	1.4		30.8	18.1	22.0
23	1543	12.0			0.48	1.2		30.9	18.0	22.1
23	1543	13.0			0.46	1.2		30.9	17.9	22.2
23	1543	14.0			0.47	1.2		30.9	17.9	22.2
23	1543	15.0			0.46	1.1		30.9	17.9	22.2
22	1525	1.0			0.61	2.0	0.7	30.9	18.0	22.1
22	1525	2.0			0.61	2.0		30.9	18.0	22.1
22	1525	3.0			0.63	2.0		30.9	18.0	22.2
22	1525	4.0			0.61	2.0		31.0	17.9	22.2
22	1525	5.0			0.62	2.0		31.0	17.8	22.2
22	1525	6.0			0.60	1.9		31.0	17.8	22.2
22	1525	7.0			0.58	1.8		31.0	17.7	22.3
22	1525	8.0			0.57	1.7		31.0	17.7	22.3
22	1525	9.0			0.55	1.6		31.1	17.5	22.4
22	1525	10.0			0.54	1.5		31.1	17.4	22.5
22	1525	11.0			0.53	1.4		31.2	17.1	22.6
22	1525	12.0			0.52	1.4		31.3	17.0	22.7
22	1525	13.0			0.52	1.4		31.3	17.0	22.7
22	1525	14.0			0.52	1.4		31.3	17.0	22.7
22	1525	15.0			0.51	1.4		31.3	17.0	22.7

LOCATION: South San Francisco Bay  
 DATE: July 12, 1989  
 JULIAN DAY: 89193

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
22	1525	16.0			0.52	1.4				
22	1525	17.0			0.51	1.4		31.3	17.0	22.7
22	1525	18.0			0.51	1.4		31.3	17.0	22.7
								31.3	17.0	22.7
21	1510	1.0	2.5	0.71	0.64	2.1	0.9	31.0	17.9	22.3
21	1510	2.0			0.64	2.1		31.0	17.9	22.3
21	1510	3.0			0.67	2.2		31.0	17.9	22.3
21	1510	4.0			0.67	2.3		31.0	17.8	22.3
21	1510	5.0			0.68	2.3		31.0	17.8	22.3
21	1510	6.0			0.69	2.4		31.0	17.7	22.3
21	1510	7.0			0.70	2.4		31.0	17.7	22.3
21	1510	8.0			0.68	2.3		31.0	17.6	22.3
21	1510	9.0			0.68	2.3		31.0	17.6	22.3
21	1510	10.0			0.66	2.2		31.0	17.5	22.3
21	1510	11.0			0.65	2.1		31.0	17.5	22.3
21	1510	12.0			0.64	2.1		31.0	17.5	22.4
21	1510	13.0			0.63	2.0		31.1	17.5	22.4
21	1510	14.0			0.63	2.0		31.1	17.4	22.4
21	1510	15.0			0.62	2.0		31.1	17.4	22.5
21	1510	16.0			0.62	2.0		31.2	17.3	22.5
21	1510	17.0	2.5	0.55	0.61	2.0				

Fluorometer Calibration:

n	r <sup>2</sup>	A	B	Syx
8	0.81	-1.3	5.29	0.4

LOCATION: South San Francisco Bay  
 DATE: July 25, 1989  
 JULIAN DAY: 89206

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
30	1455	1.0	2.6	0.63	0.67	2.8	2.2	30.5	20.9	21.1
30	1455	2.0			0.67	2.8				
30	1455	3.0			0.67	2.8				
30	1455	4.0			0.67	2.8				
30	1455	5.0			0.67	2.8				
30	1455	6.0			0.67	2.8				
30	1455	7.0			0.67	2.8				
30	1455	8.0			0.67	2.8				
30	1455	9.0			0.67	2.8				
30	1455	10.0			0.70	3.0				
30	1455	11.0			0.72	3.2				
30	1455	12.0			0.74	3.3				
30	1455	13.0			0.77	3.5				
30	1455	14.0			0.83	3.9				
30	1455	15.0			0.87	4.1				
					0.90	4.3		30.6	20.5	21.3
29	1434	1.0			0.64	2.6	2.1	30.6	20.7	21.2
29	1434	2.0			0.64	2.6		30.6	20.7	21.2
29	1434	3.0			0.64	2.6		30.6	20.7	21.2
29	1434	4.0			0.64	2.6		30.6	20.7	21.2
29	1434	5.0			0.64	2.6		30.6	20.7	21.2
29	1434	6.0			0.64	2.6		30.6	20.7	21.2
29	1434	7.0			0.64	2.6		30.6	20.7	21.2
29	1434	8.0			0.65	2.7		30.6	20.6	21.3
29	1434	9.0			0.65	2.6		30.6	20.6	21.3
29	1434	10.0			0.65	2.7		30.6	20.5	21.3
29	1434	11.0			0.64	2.6		30.6	20.4	21.3
29	1434	12.0			0.64	2.6		30.6	20.4	21.3
29	1434	13.0			0.65	2.7		30.6	20.4	21.3
29	1434	14.0			0.66	2.8		30.6	20.4	21.3
					0.67	2.8		30.6	20.4	21.3
28	1400	1.0			0.61	2.4	1.9	30.6	20.6	21.3
28	1400	2.0			0.61	2.4		30.6	20.5	21.3
28	1400	3.0			0.62	2.4		30.6	20.5	21.3
28	1400	4.0			0.62	2.5		30.6	20.6	21.3
28	1400	5.0			0.62	2.5		30.6	20.6	21.3
28	1400	6.0			0.62	2.5		30.6	20.6	21.3
28	1400	7.0			0.62	2.5		30.6	20.5	21.3
28	1400	8.0			0.62	2.5		30.6	20.5	21.3
28	1400	9.0			0.62	2.5		30.6	20.5	21.3
28	1400	10.0			0.62	2.5		30.6	20.4	21.3
28	1400	11.0			0.62	2.5		30.6	20.3	21.3
28	1400	12.0			0.61	2.4		30.6	20.3	21.4
28	1400	13.0			0.61	2.4		30.6	20.3	21.4
28	1400	14.0			0.61	2.4		30.6	20.3	21.4
					0.62	2.5		30.6	20.3	21.4
27	1348	1.0	1.8	0.56	0.58	2.2	2.1	30.6	20.4	21.3
27	1348	2.0			0.58	2.2		30.6	20.4	21.3
27	1348	3.0			0.58	2.2		30.6	20.4	21.3
27	1348	4.0			0.58	2.2		30.6	20.4	21.3
27	1348	5.0			0.58	2.2		30.6	20.4	21.3
27	1348	6.0			0.58	2.2		30.7	20.4	21.4
27	1348	7.0			0.58	2.2		30.7	20.4	21.4
27	1348	8.0			0.59	2.3		30.7	20.4	21.4
27	1348	9.0			0.59	2.3		30.7	20.4	21.4
27	1348	10.0			0.60	2.3		30.7	20.4	21.4
27	1348	11.0			0.59	2.3		30.7	20.4	21.4
27	1348	12.0			0.60	2.3		30.7	20.4	21.4
					0.59	2.3		30.7	20.3	21.4
								30.7	20.2	21.4
26	1335	1.0			0.56	2.1	2.2	30.7	20.2	21.4
26	1335	2.0			0.56	2.1		30.7	20.2	21.4
26	1335	3.0			0.56	2.1		30.7	20.2	21.4
26	1335	4.0			0.57	2.1		30.7	20.2	21.4
26	1335	5.0			0.57	2.1		30.7	20.2	21.4
26	1335	6.0			0.57	2.2		30.7	20.2	21.4



LOCATION: South San Francisco Bay  
 DATE: July 25, 1989  
 JULIAN DAY: 89206

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
26	1335	7.0								
26	1335	8.0			0.58	2.2				
26	1335	9.0			0.58	2.2		30.7	20.2	21.4
					0.59	2.2		30.7	20.2	21.4
								30.7	20.1	21.4
25	1317	1.0								
25	1317	2.0			0.51	1.8	2.4	30.8	19.8	21.6
25	1317	3.0			0.51	1.8		30.8	19.8	21.6
25	1317	4.0			0.51	1.8		30.8	19.8	21.6
25	1317	5.0			0.52	1.8		30.8	19.8	21.6
25	1317	6.0			0.51	1.8		30.8	19.8	21.6
25	1317	7.0			0.52	1.8		30.8	19.8	21.6
					0.52	1.8		30.8	19.8	21.6
24	1301	1.0	1.2	0.48						
24	1301	2.0			0.46	1.4	1.3	30.9	19.4	21.8
24	1301	3.0			0.46	1.4		30.9	19.3	21.8
24	1301	4.0			0.47	1.5		30.9	19.1	21.9
24	1301	5.0			0.48	1.5		30.9	19.0	21.9
24	1301	6.0			0.47	1.5		30.9	19.0	21.9
24	1301	7.0			0.48	1.5		30.9	19.0	21.9
24	1301	8.0			0.48	1.5		30.9	19.0	21.9
24	1301	9.0			0.48	1.5		30.9	19.0	21.9
24	1301	10.0			0.49	1.6		30.9	19.0	21.9
24	1301	11.0	1.7	0.47	0.49	1.6		30.9	19.0	21.9
					0.49	1.6		30.9	19.0	21.9
23	1244	1.0								
23	1244	2.0			0.47	1.5	1.0	31.0	18.6	22.1
23	1244	3.0			0.47	1.5		31.0	18.6	22.1
23	1244	4.0			0.48	1.6		31.0	18.6	22.1
23	1244	5.0			0.48	1.6		31.0	18.6	22.1
23	1244	6.0			0.49	1.6		31.0	18.6	22.1
23	1244	7.0			0.49	1.6		31.0	18.6	22.1
23	1244	8.0			0.49	1.6		31.1	18.5	22.1
23	1244	9.0			0.50	1.7		31.0	18.5	22.1
23	1244	10.0			0.49	1.6		31.0	18.5	22.1
23	1244	11.0			0.49	1.6		31.0	18.5	22.1
23	1244	12.0			0.47	1.5		31.0	18.5	22.1
23	1244	13.0			0.47	1.5		31.0	18.5	22.1
23	1244	14.0			0.49	1.6		31.0	18.5	22.1
23	1244	15.0			0.48	1.5		31.0	18.5	22.1
23	1244	16.0			0.48	1.5		31.0	18.5	22.1
23	1244	17.0			0.49	1.6		31.0	18.5	22.1
					0.49	1.6		31.0	18.4	22.1
22	1225	1.0								
22	1225	2.0			0.50	1.6	1.0	31.1	18.3	22.2
22	1225	3.0			0.50	1.6		31.1	18.3	22.2
22	1225	4.0			0.51	1.8		31.1	18.2	22.2
22	1225	5.0			0.51	1.8		31.1	18.2	22.2
22	1225	6.0			0.51	1.8		31.1	18.2	22.2
22	1225	7.0			0.52	1.8		31.1	18.2	22.2
22	1225	8.0			0.53	1.8		31.1	18.2	22.3
22	1225	9.0			0.53	1.9		31.1	18.1	22.3
22	1225	10.0			0.54	1.9		31.1	18.0	22.3
22	1225	11.0			0.54	1.9		31.1	18.0	22.3
22	1225	12.0			0.53	1.8		31.1	18.0	22.3
22	1225	13.0			0.54	1.9		31.2	18.0	22.3
22	1225	14.0			0.55	2.0		31.2	17.9	22.4
22	1225	15.0			0.55	2.0		31.2	17.8	22.4
22	1225	16.0			0.56	2.1		31.2	17.7	22.5
22	1225	17.0			0.56	2.1		31.2	17.7	22.5
					0.56	2.1		31.3	17.5	22.5
21	1209	1.0	3.1	0.70						
21	1209	2.0			0.67	2.8	1.4	30.9	19.1	21.9
21	1209	3.0			0.67	2.8		30.9	19.1	21.9
21	1209	4.0			0.67	2.8		30.9	19.2	21.9
21	1209	5.0			0.67	2.8		30.9	19.2	21.9
					0.68	2.8		31.0	19.0	21.9

LOCATION: South San Francisco Bay  
 DATE: July 25, 1989  
 JULIAN DAY: 89206

STN	TIME	DEPTH	DISCR	CHLa/	FLUOR	CALC	EXCOF	SALIN	TEMP	SIGMT
			CHL a	a+PHA		CHL a				
21	1209	6.0			0.65	2.7		31.0	18.7	22.0
21	1209	7.0			0.65	2.6		31.0	18.5	22.1
21	1209	8.0			0.63	2.5		31.1	18.4	22.2
21	1209	9.0			0.63	2.5		31.1	18.3	22.2
21	1209	10.0			0.62	2.5		31.1	18.0	22.3
21	1209	11.0			0.62	2.4		31.2	17.8	22.4
21	1209	12.0			0.61	2.4		31.2	17.6	22.5
21	1209	13.0			0.60	2.3		31.3	17.5	22.5
21	1209	14.0			0.60	2.3		31.3	17.4	22.5
21	1209	15.0			0.58	2.2		31.3	17.4	22.6
21	1209	16.0	2.9	0.48	0.57	2.1		31.3	17.4	22.6

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  7    0.62    -1.7    6.67    0.5

LOCATION: North San Francisco Bay  
 DATE: August 9, 1989  
 JULIAN DAY: 89221

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
649	1622	1.0			0.55	1.8				
649	1622	2.0			0.55	1.8	2.2	0.2	21.1	0.0
649	1622	3.0			0.55	1.8		0.2	21.1	0.0
649	1622	4.0			0.55	1.8		0.2	21.1	0.0
649	1622	5.0			0.55	1.8		0.2	21.1	0.0
649	1622	6.0			0.55	1.8		0.2	21.1	0.0
649	1622	7.0			0.55	1.8		0.2	21.1	0.0
649	1622	8.0			0.55	1.8		0.2	21.0	0.0
649	1622	9.0			0.55	1.8		0.2	20.8	0.0
					0.55	1.8		0.2	20.8	0.0
3	1538	1.0			0.70	2.6	2.9	0.9	21.3	0.0
3	1538	2.0			0.70	2.6		0.9	21.3	0.0
3	1538	3.0			0.70	2.6		0.9	21.3	0.0
3	1538	4.0			0.70	2.6		0.9	21.3	0.0
3	1538	5.0			0.70	2.6		0.9	21.3	0.0
3	1538	6.0			0.70	2.6		0.9	21.3	0.0
3	1538	7.0			0.70	2.6		0.9	21.2	0.0
3	1538	8.0			0.69	2.6		1.0	21.2	0.0
					0.68	2.5		1.0	21.1	0.0
4	1438	1.0	1.9	0.49	0.56	1.9	2.7	1.7	21.1	0.0
4	1438	2.0			0.56	1.9		1.7	21.1	0.0
4	1438	3.0			0.56	1.9		1.7	20.9	0.0
4	1438	4.0			0.56	1.9		1.7	20.9	0.0
4	1438	5.0			0.57	1.9		1.8	20.8	0.0
4	1438	6.0			0.57	1.9		1.8	20.8	0.0
4	1438	7.0			0.57	1.9		1.8	20.8	0.0
4	1438	8.0	1.9	0.45	0.57	1.9		1.8	20.8	0.0
					0.57	1.9		1.8	20.8	0.0
5	1418	1.0			0.51	1.6	2.6	3.3	21.2	0.5
5	1418	2.0			0.51	1.6		3.4	21.1	0.5
5	1418	3.0			0.51	1.6		3.4	21.1	0.5
5	1418	4.0			0.51	1.6		3.5	21.1	0.6
5	1418	5.0			0.50	1.6		3.5	21.0	0.6
5	1418	6.0			0.49	1.5		3.6	20.9	0.7
5	1418	7.0			0.49	1.5		3.8	20.8	0.8
5	1418	8.0			0.48	1.4		4.2	20.8	0.9
5	1418	9.0			0.47	1.4		4.4	20.8	1.2
5	1418	10.0			0.46	1.3		4.6	20.8	1.4
5	1418	11.0			0.44	1.2		5.0	20.8	1.6
									20.8	1.8
6	1343	1.0	1.8	0.58	0.50	1.5	2.5	5.8	20.8	2.4
6	1343	2.0			0.50	1.5		5.8	20.6	2.5
6	1343	3.0			0.50	1.5		6.0	20.5	2.7
6	1343	4.0			0.49	1.5		6.2	20.5	2.8
6	1343	5.0			0.48	1.5		6.3	20.5	2.9
6	1343	6.0			0.48	1.4		6.6	20.5	3.1
6	1343	7.0	1.1	0.48	0.47	1.4		7.5	20.5	3.8
7	1302	1.0			0.48	1.4	2.1	9.0	20.6	4.9
7	1302	2.0			0.48	1.4		9.0	20.6	4.9
7	1302	3.0			0.47	1.4		9.0	20.5	4.9
7	1302	4.0			0.46	1.3		10.6	20.3	6.2
7	1302	5.0			0.45	1.3		11.7	20.3	7.0
7	1302	6.0			0.44	1.2		12.2	20.2	7.4
7	1302	7.0			0.44	1.2		12.9	20.2	7.9
7	1302	8.0			0.44	1.2		13.4	20.2	8.3
7	1302	9.0			0.44	1.2		13.8	20.2	8.6
7	1302	10.0			0.43	1.2		14.0	20.2	8.8
7	1302	11.0			0.43	1.1		14.3	20.1	9.1
7	1302	12.0			0.42	1.1		14.6	20.1	9.2
7	1302	13.0			0.41	1.1		14.6	20.1	9.3
8	1238	1.0	1.4	0.62	0.50	1.6	2.0	12.4	20.4	7.5
8	1238	2.0			0.50	1.6		12.4	20.4	7.5
8	1238	3.0			0.50	1.6		12.4	20.4	7.5

LOCATION: North San Francisco Bay  
 DATE: August 9, 1989  
 JULIAN DAY: 89221

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
8	1238	4.0			0.50	1.6		12.4	20.4	7.5
8	1238	5.0			0.50	1.6		12.5	20.3	7.6
8	1238	6.0			0.49	1.5		13.2	20.1	8.2
8	1238	7.0			0.47	1.4		15.6	19.9	10.0
8	1238	8.0			0.47	1.4		16.3	20.0	10.5
8	1238	9.0			0.47	1.4		16.8	19.9	10.9
8	1238	10.0			0.47	1.4		17.0	19.9	11.1
8	1238	11.0			0.45	1.3		17.2	19.9	11.2
8	1238	12.0			0.45	1.3		17.5	19.9	11.5
8	1238	13.0	1.3	0.42	0.43	1.2		17.8	19.9	11.7
9	1216	1.0			0.50	1.6	1.6	13.1	20.3	8.0
9	1216	2.0			0.50	1.6		13.7	20.2	8.5
9	1216	3.0			0.48	1.5		14.0	20.1	8.8
9	1216	4.0			0.47	1.4		14.1	20.0	8.9
9	1216	5.0			0.45	1.3		14.1	20.0	8.9
9	1216	6.0			0.44	1.2		14.2	20.0	9.0
9	1216	7.0			0.43	1.2		14.4	19.9	9.2
9	1216	8.0			0.43	1.1		14.9	19.8	9.5
9	1216	9.0			0.42	1.1		16.8	19.8	11.0
9	1216	10.0			0.42	1.1		17.6	19.8	11.6
9	1216	11.0			0.41	1.1		17.9	19.8	11.8
9	1216	12.0			0.41	1.1		18.1	19.8	12.0
9	1216	13.0			0.41	1.0		18.3	19.8	12.1
9	1216	14.0			0.41	1.0		18.7	19.8	12.5
9	1216	15.0			0.40	1.0		18.9	19.8	12.6
9	1216	16.0			0.40	1.0		18.9	19.7	12.6
9	1216	17.0			0.41	1.0		18.9	19.7	12.6
9	1216	18.0			0.40	1.0		19.0	19.7	12.7
9	1216	19.0			0.43	1.1		19.1	19.7	12.7
9	1216	20.0			0.44	1.2		19.1	19.7	12.7
10	1200	1.0	1.3	0.62	0.45	1.2	1.8	13.7	20.2	8.6
10	1200	2.0			0.45	1.2		13.9	20.1	8.7
10	1200	3.0			0.44	1.2		15.1	19.9	9.7
10	1200	4.0			0.43	1.1		15.6	19.8	10.1
10	1200	5.0			0.41	1.1		15.7	19.7	10.2
10	1200	6.0			0.41	1.1		15.7	19.7	10.2
10	1200	7.0			0.41	1.1		15.9	19.6	10.4
10	1200	8.0			0.41	1.1		16.0	19.6	10.4
10	1200	9.0			0.41	1.1		16.5	19.5	10.8
10	1200	10.0			0.41	1.1		16.8	19.6	11.1
10	1200	11.0			0.41	1.0		17.4	19.7	11.5
10	1200	12.0			0.41	1.0		18.9	19.7	12.6
10	1200	13.0			0.41	1.0		19.4	19.6	13.0
10	1200	14.0			0.41	1.0		19.8	19.4	13.3
10	1200	15.0	1.0	0.30	0.41	1.0		19.9	19.4	13.4
11	1135	1.0			0.42	1.1	1.9	16.8	19.9	11.0
11	1135	2.0			0.42	1.1		17.2	19.8	11.3
11	1135	3.0			0.43	1.2		18.7	19.5	12.5
11	1135	4.0			0.43	1.2		19.0	19.5	12.7
11	1135	5.0			0.44	1.2		19.3	19.3	13.0
11	1135	6.0			0.44	1.2		20.0	19.3	13.5
11	1135	7.0			0.43	1.2		20.5	19.3	13.9
11	1135	8.0			0.42	1.1		20.8	19.2	14.1
11	1135	9.0			0.42	1.1		21.0	19.3	14.3
11	1135	10.0			0.41	1.1		21.1	19.3	14.4
11	1135	11.0			0.41	1.1		21.2	19.3	14.5
11	1135	12.0			0.41	1.1		21.4	19.3	14.6
11	1135	13.0			0.41	1.0		21.5	19.3	14.6
11	1135	14.0			0.41	1.0		21.7	19.3	14.8
11	1135	15.0			0.40	1.0		21.8	19.3	14.9
11	1135	16.0			0.40	1.0		21.9	19.3	15.0
11	1135	17.0			0.42	1.1		22.2	19.3	15.2

LOCATION: North San Francisco Bay  
 DATE: August 9, 1989  
 JULIAN DAY: 89221

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
11	1135	18.0			0.44	1.2		22.2	19.3	15.2
13	1055	1.0			0.54	1.8	1.4	23.3	18.9	16.1
13	1055	2.0			0.54	1.8		23.3	18.9	16.1
13	1055	3.0			0.52	1.6		23.5	18.7	16.3
13	1055	4.0			0.49	1.5		24.1	18.5	16.8
13	1055	5.0			0.46	1.3		24.8	18.5	17.4
13	1055	6.0			0.44	1.2		25.2	18.3	17.7
13	1055	7.0			0.42	1.1		25.8	18.3	18.2
15	1015	1.0			0.50	1.5	1.3	25.4	18.2	17.9
15	1015	2.0			0.50	1.5		26.3	18.4	18.5
15	1015	3.0			0.47	1.4		27.0	18.1	19.2
15	1015	4.0			0.46	1.3		27.6	18.0	19.6
15	1015	5.0			0.44	1.2		27.5	18.0	19.6
15	1015	6.0			0.44	1.2		27.8	18.0	19.8
15	1015	7.0			0.43	1.2		27.9	17.9	19.9
15	1015	8.0			0.43	1.1		28.2	17.8	20.1
15	1015	9.0			0.43	1.2		28.5	17.7	20.3
15	1015	10.0			0.43	1.1		28.5	17.7	20.3
15	1015	11.0			0.42	1.1		28.5	17.7	20.4
15	1015	12.0			0.42	1.1		28.7	17.7	20.5
15	1015	13.0			0.42	1.1		28.8	17.7	20.6
15	1015	14.0			0.42	1.1		28.8	17.6	20.6
15	1015	15.0			0.41	1.1		28.9	17.6	20.7
15	1015	16.0			0.41	1.1		28.9	17.6	20.7
15	1015	17.0			0.41	1.0		28.9	17.6	20.7
15	1015	18.0			0.41	1.1		29.1	17.6	20.8
15	1015	19.0			0.41	1.0		29.1	17.5	20.9
15	1015	20.0			0.41	1.0		29.1	17.5	20.9
15	1015	21.0			0.41	1.0		29.3	17.4	21.0
15	1015	22.0			0.40	1.0		29.4	17.4	21.1
15	1015	23.0			0.26	0.3		29.4	17.4	21.2
15	1015	24.0			0.38	0.9		29.5	17.4	21.2

Fluorometer Calibration:

n	r <sup>2</sup>	A	B	Syx
8	0.81	-1.2	5.43	0.2

LOCATION: South San Francisco Bay  
 DATE: August 10, 1989  
 JULIAN DAY: 89222

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
30	1810	1.0	3.0	0.63	0.71	3.3	1.5	31.2	21.0	21.6
30	1810	2.0			0.71	3.3		31.2	21.0	21.6
30	1810	3.0			0.71	3.3		31.2	21.0	21.6
30	1810	4.0			0.71	3.3		31.2	21.0	21.6
30	1810	5.0			0.70	3.3		31.2	21.0	21.6
30	1810	6.0			0.70	3.3		31.2	21.0	21.6
30	1810	7.0			0.70	3.3		31.2	21.0	21.6
30	1810	8.0			0.70	3.3		31.2	21.0	21.6
30	1810	9.0			0.71	3.3		31.2	21.0	21.6
30	1810	10.0			0.71	3.3		31.2	21.0	21.6
30	1810	11.0			0.71	3.3		31.2	21.0	21.6
30	1810	12.0			0.71	3.3		31.2	21.0	21.6
30	1810	13.0	3.6	0.72	0.70	3.3	1.6	31.2	21.0	21.6
27	1725	1.0			0.53	1.9		31.1	20.5	21.6
27	1725	2.0			0.53	1.9		31.1	20.5	21.6
27	1725	3.0			0.53	1.9		31.1	20.5	21.6
27	1725	4.0			0.53	1.9		31.1	20.5	21.6
27	1725	5.0			0.52	1.9		31.1	20.5	21.6
27	1725	6.0			0.53	1.9		31.1	20.5	21.6
27	1725	7.0			0.52	1.9		31.1	20.5	21.6
27	1725	8.0			0.53	1.9		31.1	20.5	21.6
27	1725	9.0			0.53	1.9		31.1	20.5	21.6
27	1725	10.0			0.52	1.9		31.1	20.5	21.6
27	1725	11.0			0.52	1.8		31.1	20.5	21.7
27	1725	12.0			0.52	1.8		31.1	20.5	21.7
27	1725	13.0	1.8	0.60	0.51	1.8		31.1	20.5	21.7
24	1645	1.0			0.56	2.2	1.1	31.1	18.9	22.1
24	1645	2.0			0.56	2.2		31.1	18.9	22.1
24	1645	3.0			0.56	2.1		31.1	18.8	22.1
24	1645	4.0			0.53	1.9		31.2	18.6	22.2
24	1645	5.0			0.50	1.7		31.2	18.5	22.2
24	1645	6.0			0.49	1.7		31.2	18.5	22.2
24	1645	7.0			0.47	1.5		31.1	18.5	22.2
24	1645	8.0			0.46	1.4		31.1	18.5	22.2
24	1645	9.0			0.45	1.3		31.1	18.5	22.2
24	1645	10.0			0.44	1.2		31.1	18.5	22.2
24	1645	11.0			0.43	1.2		31.1	18.5	22.2
21		1.0			0.77					

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
    6      0.87      -2.1      7.71      0.4

LOCATION: North San Francisco Bay  
 DATE: September 6, 1969  
 JULIAN DAY: 89249

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
4	1447	1.0			0.46	1.2	2.1	6.1	19.8	2.9
4	1447	2.0			0.46	1.2		6.1	19.8	2.9
4	1447	3.0			0.46	1.2		6.1	19.8	2.9
4	1447	4.0			0.46	1.2		6.1	19.8	2.9
4	1447	5.0			0.45	1.2		6.1	19.8	2.9
4	1447	6.0			0.45	1.2		6.2	19.7	3.0
4	1447	7.0			0.44	1.1		6.7	19.6	3.4
4	1447	8.0			0.44	1.1		7.0	19.6	3.6
5	1431	1.0			0.48	1.2	2.3	7.9	19.7	4.3
5	1431	2.0			0.48	1.2		7.9	19.7	4.3
5	1431	3.0			0.48	1.2		7.9	19.7	4.3
5	1431	4.0			0.48	1.2		7.9	19.7	4.3
5	1431	5.0			0.47	1.2		7.9	19.7	4.3
5	1431	6.0			0.47	1.2		7.9	19.6	4.3
5	1431	7.0			0.47	1.2		7.9	19.6	4.3
5	1431	8.0			0.47	1.2		8.0	19.5	4.4
5	1431	9.0			0.48	1.2		8.1	19.5	4.5
5	1431	10.0			0.47	1.2		8.3	19.5	4.7
5	1431	11.0			0.45	1.1		8.4	19.4	4.7
5	1431	12.0			0.45	1.1		8.5	19.4	4.8
6	1357	1.0	1.0	0.52	0.45	1.1	2.1	9.8	19.6	5.8
6	1357	2.0			0.45	1.1		9.8	19.6	5.8
6	1357	3.0			0.45	1.1		9.8	19.6	5.8
6	1357	4.0			0.44	1.1		9.9	19.6	5.8
6	1357	5.0			0.44	1.1		10.0	19.5	5.9
6	1357	6.0			0.44	1.1		10.3	19.4	6.1
6	1357	7.0			0.45	1.1		10.6	19.2	6.4
6	1357	8.0			0.44	1.1		11.0	19.4	6.7
6	1357	9.0	0.9	0.41	0.44	1.1		11.4	19.5	7.0
7	1325	1.0			0.44	1.1	1.8	14.1	19.5	9.0
7	1325	2.0			0.44	1.1		14.1	19.5	9.0
7	1325	3.0			0.44	1.1		14.1	19.5	9.0
7	1325	4.0			0.44	1.1		14.1	19.5	9.0
7	1325	5.0			0.44	1.1		14.2	19.5	9.1
7	1325	6.0			0.45	1.1		14.7	19.5	9.5
7	1325	7.0			0.42	1.1		15.2	19.4	9.8
7	1325	8.0			0.41	1.0		16.1	19.4	10.5
7	1325	9.0			0.41	1.0		16.8	19.4	11.1
7	1325	10.0			0.39	1.0		17.0	19.5	11.2
7	1325	11.0			0.36	0.9		17.3	19.5	11.5
7	1325	12.0			0.36	0.9		17.4	19.5	11.5
7	1325	13.0			0.34	0.8		17.5	19.5	11.6
8	1304	1.0			0.43	1.1	1.6	17.1	19.5	11.3
8	1304	2.0			0.43	1.1		17.1	19.5	11.3
8	1304	3.0			0.43	1.1		17.1	19.4	11.3
8	1304	4.0			0.42	1.0		17.2	19.4	11.4
8	1304	5.0			0.41	1.0		17.4	19.3	11.5
8	1304	6.0			0.40	1.0		17.7	19.3	11.7
8	1304	7.0			0.39	1.0		18.4	19.4	12.3
8	1304	8.0			0.38	0.9		18.8	19.4	12.6
8	1304	9.0			0.37	0.9		19.1	19.5	12.8
8	1304	10.0			0.36	0.9		19.4	19.4	13.1
8	1304	11.0			0.34	0.8		19.8	19.4	13.4
8	1304	12.0			0.33	0.8		20.0	19.4	13.5
8	1304	13.0			0.33	0.8		20.3	19.4	13.7
8	1304	14.0			0.32	0.7		20.4	19.4	13.8
9	1239	1.0			0.43	1.1	1.3	18.4	19.3	12.3
9	1239	2.0			0.43	1.1		18.4	19.3	12.3
9	1239	3.0			0.43	1.1		18.4	19.3	12.3
9	1239	4.0			0.43	1.1		18.4	19.3	12.3

LOCATION: North San Francisco Bay  
 DATE: September 6, 1989  
 JULIAN DAY: 89249

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9	1239	5.0			0.42	1.0				
9	1239	6.0			0.40	1.0		16.7	19.4	12.5
9	1239	7.0			0.39	1.0		19.8	19.4	13.4
9	1239	8.0			0.38	0.9		20.0	19.4	13.5
9	1239	9.0			0.38	0.9		20.1	19.4	13.6
9	1239	10.0			0.37	0.9		20.2	19.4	13.6
9	1239	11.0			0.35	0.8		20.3	19.4	13.8
9	1239	12.0			0.34	0.8		20.4	19.4	13.8
9	1239	13.0			0.33	0.8		20.4	19.4	13.8
9	1239	14.0			0.33	0.8		20.5	19.4	13.9
9	1239	15.0			0.32	0.8		20.8	19.4	14.1
9	1239	16.0			0.32	0.7		21.4	19.3	14.6
9	1239	17.0			0.31	0.7		21.9	19.3	15.0
9	1239	18.0			0.31	0.7		22.0	19.3	15.1
9	1239	19.0			0.31	0.7		22.2	19.3	15.2
9	1239	20.0			0.31	0.7		22.2	19.3	15.2
10	1223	1.0	1.1	0.63	0.41	1.0	1.4			
10	1223	2.0			0.41	1.0		18.5	19.2	12.4
10	1223	3.0			0.40	1.0		18.8	19.2	12.6
10	1223	4.0			0.39	1.0		19.4	19.3	13.0
10	1223	5.0			0.38	0.9		19.5	19.3	13.1
10	1223	6.0			0.37	0.9		19.7	19.3	13.2
10	1223	7.0			0.37	0.9		20.0	19.3	13.5
10	1223	8.0			0.37	0.9		20.2	19.3	13.7
10	1223	9.0			0.36	0.9		20.8	19.3	14.1
10	1223	10.0			0.35	0.9		21.4	19.3	14.6
10	1223	11.0			0.34	0.8		21.5	19.3	14.6
10	1223	12.0			0.33	0.8		21.6	19.3	14.6
10	1223	13.0			0.33	0.8		21.8	19.3	14.9
10	1223	14.0			0.33	0.8		22.0	19.3	15.1
10	1223	15.0			0.33	0.8		22.2	19.3	15.2
10	1223	16.0			0.32	0.7		22.3	19.3	15.3
10	1223	17.0			0.32	0.7		22.3	19.3	15.3
10	1223	18.0			0.31	0.7		22.4	19.3	15.3
10	1223	19.0	1.0	0.31	0.31	0.7		22.4	19.3	15.4
11	1153	1.0	1.3	0.66	0.46	1.2	1.2			
11	1153	2.0			0.46	1.2		21.8	19.1	15.0
11	1153	3.0			0.46	1.2		21.9	19.1	15.0
11	1153	4.0			0.46	1.2		21.8	19.1	15.0
11	1153	5.0			0.43	1.1		21.9	19.1	15.0
11	1153	6.0			0.42	1.0		22.4	19.1	15.4
11	1153	7.0			0.40	1.0		23.0	19.1	15.6
11	1153	8.0			0.39	1.0		23.4	19.1	16.1
11	1153	9.0			0.39	0.9		23.5	19.2	16.2
11	1153	10.0			0.37	0.9		23.6	19.2	16.3
11	1153	11.0			0.36	0.9		23.6	19.2	16.3
11	1153	12.0			0.34	0.8		23.7	19.2	16.3
11	1153	13.0			0.34	0.8		23.8	19.3	16.4
11	1153	14.0			0.34	0.8		24.0	19.2	16.6
11	1153	15.0			0.34	0.8		24.4	19.1	16.9
11	1153	16.0			0.35	0.8		24.8	18.9	17.3
11	1153	17.0			0.36	0.9		25.0	18.9	17.4
11	1153	18.0	0.7	0.45	0.37	0.9		25.0	18.8	17.4
13	1108	1.0	1.3	0.72	0.45	1.1	1.1			
13	1108	2.0			0.45	1.1		25.0	18.8	17.5
13	1108	3.0			0.45	1.1		27.0	18.6	19.0
13	1108	4.0			0.44	1.1		27.0	18.6	19.0
13	1108	5.0			0.45	1.1		27.1	18.6	19.1
13	1108	6.0			0.44	1.1		27.1	18.6	19.1
13	1108	7.0			0.43	1.1		27.2	18.7	19.2
13	1108	8.0			0.42	1.1		27.4	18.7	19.3
13	1108	9.0	0.9	0.52	0.41	1.0		27.6	18.7	19.4
					0.41	1.0		27.7	18.7	19.5



LOCATION: North San Francisco Bay  
 DATE: September 6, 1969  
 JULIAN DAY: 89249

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
15	1022	1.0	1.8	0.64	0.62	1.7	1.1	27.6	18.7	19.5
15	1022	2.0			0.62	1.7		27.6	18.7	19.5
15	1022	3.0			0.63	1.7		27.6	18.7	19.5
15	1022	4.0			0.62	1.7		27.6	18.7	19.5
15	1022	5.0			0.61	1.6		28.0	18.6	19.8
15	1022	6.0			0.57	1.5		28.5	18.5	20.2
15	1022	7.0			0.54	1.4		28.6	18.4	20.2
15	1022	8.0			0.52	1.3		28.6	18.4	20.3
15	1022	9.0			0.50	1.3		28.7	18.4	20.3
15	1022	10.0			0.47	1.2		28.8	18.4	20.4
15	1022	11.0			0.46	1.2		28.9	18.4	20.5
15	1022	12.0			0.44	1.1		29.2	18.4	20.7
15	1022	13.0			0.43	1.1		29.3	18.4	20.8
15	1022	14.0			0.42	1.1		29.4	18.4	20.9
15	1022	15.0			0.42	1.0		29.4	18.3	20.9
15	1022	16.0			0.41	1.0		29.4	18.3	20.9
15	1022	17.0	1.0	0.51	0.41	1.0		29.5	18.3	21.0

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  10      0.68      -0.2      3.06      0.2

LOCATION: South San Francisco Bay  
 DATE: September 22, 1969  
 JULIAN DAY: 89265

STN	TIME	DEPTH	DISCR CHL a	CHLa a+PHA	FLUOR	TALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	1537	1.0	4.5	0.78	0.87	4.2	1.5	31.0	20.3	21.6
32	1537	2.0			0.87	4.2				
32	1537	3.0			0.86	4.2				
32	1537	4.0			0.86	4.2				
32	1537	5.0			0.83	4.0				
32	1537	6.0			0.77	3.7				
32	1537	7.0	2.5	0.48	0.73	3.4	31.3	19.4	22.1	22.1
32	1537	8.0			0.70	3.3				
31	1525	1.0			0.83	4.0	1.5	31.1	20.2	21.7
31	1525	2.0			0.83	4.0		31.3	19.8	22.0
31	1525	3.0			0.81	3.9		31.1	20.0	21.8
31	1525	4.0			0.82	4.0		31.1	20.1	21.8
31	1525	5.0			0.81	3.9		31.2	20.0	21.8
31	1525	6.0			0.78	3.8		31.1	19.9	21.8
31	1525	7.0			0.75	3.5	31.2	19.7	22.0	22.0
31	1525	8.0			0.72	3.4		19.5	22.1	22.1
31	1525	9.0			0.67	3.1		19.4	22.1	22.1
31	1525	10.0			0.63	2.8		19.3	22.2	22.2
31	1525	11.0			0.60	2.7		19.2	22.2	22.2
31	1525	12.0			0.57	2.5		19.2	22.2	22.2
31	1525	13.0			0.56	2.4		19.2	22.2	22.2
30	1507	1.0	4.1	0.77	0.80	3.9	1.2	31.4	20.3	22.0
30	1507	2.0			0.80	3.9				
30	1507	3.0			0.78	3.7				
30	1507	4.0			0.72	3.4				
30	1507	5.0			0.67	3.1				
30	1507	6.0			0.62	2.8				
30	1507	7.0	2.0	0.40	0.58	2.6	31.5	19.0	22.3	22.3
30	1507	8.0			0.55	2.4				
30	1507	9.0			0.54	2.3				
30	1507	10.0			0.52	2.2				
30	1507	11.0			0.49	2.0				
30	1507	12.0			0.48	2.0				
30	1507	13.0			0.48	2.0	31.5	19.0	22.3	22.3
30	1507	14.0			0.49	2.0				
30	1507	15.0			0.49	2.1				
29	1445	1.0	2.0	0.40	0.61	2.7	1.1	31.4	20.0	22.0
29	1445	2.0			0.61	2.7				
29	1445	3.0			0.58	2.6				
29	1445	4.0			0.56	2.5				
29	1445	5.0			0.53	2.3				
29	1445	6.0			0.51	2.2				
29	1445	7.0	2.0	0.40	0.49	2.0	31.6	18.9	22.4	22.4
29	1445	8.0			0.47	1.9				
29	1445	9.0			0.46	1.9				
29	1445	10.0			0.45	1.8				
29	1445	11.0			0.44	1.7				
29	1445	12.0			0.43	1.7				
29	1445	13.0	2.0	0.40	0.42	1.7	31.5	18.9	22.4	22.4
29	1445	14.0			0.42	1.6				
29	1445	15.0			0.41	1.6				
28	1430	1.0			0.69	3.2	0.8	31.5	19.7	22.2
28	1430	2.0			0.69	3.2				
28	1430	3.0			0.65	3.0				
28	1430	4.0			0.61	2.7				
28	1430	5.0			0.57	2.5				
28	1430	6.0			0.54	2.3				
28	1430	7.0	2.0	0.40	0.51	2.2	31.6	18.8	22.5	22.5
28	1430	8.0			0.49	2.0				
28	1430	9.0			0.47	1.9				
28	1430	10.0			0.46	1.8				
28	1430	11.0			0.46	1.8				
28	1430	12.0			0.46	1.8				

LOCATION: South San Francisco Bay  
 DATE: September 22, 1989  
 JULIAN DAY: 89255

STN	TIME	DEPTH	DISC CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOP	SALIN	TEMP	SIGMT
28	1430	11.0			0.43	1.7		31.5	18.7	22.4
28	1430	12.0			0.42	1.6		31.5	18.7	22.4
28	1430	13.0			0.42	1.6		31.5	18.7	22.4
28	1430	14.0			0.41	1.6		31.5	18.7	22.4
28	1430	15.0			0.42	1.6		31.5	18.7	22.4
27	1416	1.0	2.8	0.76	0.53	2.3	0.7	31.5	19.4	22.3
27	1416	2.0			0.53	2.3		31.5	19.0	22.4
27	1416	3.0			0.51	2.2		31.6	18.7	22.5
27	1416	4.0			0.49	2.1		31.7	18.7	22.6
27	1416	5.0			0.48	2.0		31.7	18.7	22.6
27	1416	6.0			0.46	1.9		31.7	18.7	22.6
27	1416	7.0			0.45	1.8		31.6	18.7	22.5
27	1416	8.0			0.44	1.8		31.6	18.7	22.5
27	1416	9.0			0.43	1.7		31.5	18.7	22.4
27	1416	10.0			0.42	1.6		31.5	18.7	22.4
27	1416	11.0			0.39	1.5		31.5	18.7	22.4
27	1416	12.0	1.4	0.60	0.37	1.4		31.5	18.6	22.5
26	1404	1.0			0.55	2.4	1.0	31.5	19.9	22.1
26	1404	2.0			0.55	2.4		31.8	19.4	22.5
26	1404	3.0			0.55	2.4		31.9	18.8	22.7
26	1404	4.0			0.54	2.3		31.6	18.7	22.5
26	1404	5.0			0.51	2.1		31.6	18.7	22.5
26	1404	6.0			0.49	2.0		31.5	18.7	22.5
26	1404	7.0			0.47	1.9		31.5	18.7	22.4
26	1404	8.0			0.45	1.8		31.5	18.6	22.5
26	1404	9.0			0.44	1.8		31.5	18.6	22.5
26	1404	10.0			0.46	1.9		31.5	18.6	22.5
25	1344	1.0			0.50	2.1	1.1	31.6	19.1	22.4
25	1344	2.0			0.50	2.1		31.7	18.8	22.5
25	1344	3.0			0.50	2.1		31.7	18.7	22.5
25	1344	4.0			0.49	2.1		31.6	18.7	22.5
25	1344	5.0			0.49	2.0		31.6	18.7	22.5
25	1344	6.0			0.48	2.0		31.6	18.7	22.5
25	1344	7.0			0.49	2.0		31.6	18.7	22.5
25	1344	8.0			0.48	2.0		31.6	18.7	22.5
24	1322	1.0	1.9	0.69	0.49	2.0	1.0	31.6	19.9	22.2
24	1322	2.0			0.49	2.0		31.9	19.0	22.6
24	1322	3.0			0.48	2.0		31.7	18.8	22.6
24	1322	4.0			0.47	2.0		31.6	18.7	22.5
24	1322	5.0			0.48	2.0		31.5	18.7	22.5
24	1322	6.0			0.47	1.9		31.5	18.6	22.4
24	1322	7.0			0.46	1.9		31.5	18.6	22.4
24	1322	8.0			0.45	1.8		31.5	18.6	22.4
24	1322	9.0			0.45	1.8		31.5	18.6	22.4
24	1322	10.0			0.44	1.7		31.5	18.6	22.4
24	1322	11.0	2.1	0.63	0.43	1.7		31.5	18.6	22.4
23	1308	1.0			0.48	2.0	0.8	31.1	18.3	22.2
23	1308	2.0			0.48	2.0		31.2	18.0	22.3
23	1308	3.0			0.48	2.0		31.2	17.9	22.4
23	1308	4.0			0.47	1.9		31.3	17.8	22.5
23	1308	5.0			0.45	1.8		31.3	17.8	22.5
23	1308	6.0			0.44	1.8		31.3	17.8	22.5
23	1308	7.0			0.43	1.7		31.2	17.8	22.4
23	1308	8.0			0.43	1.7		31.2	17.8	22.4
23	1308	9.0			0.42	1.6		31.2	17.8	22.4
23	1308	10.0			0.41	1.6		31.2	17.8	22.4
23	1308	11.0			0.41	1.6		31.2	17.8	22.4
23	1308	12.0			0.40	1.5		31.2	17.8	22.4
23	1308	13.0			0.38	1.4		31.2	17.8	22.4
23	1308	14.0			0.36	1.3		31.2	17.8	22.4

LOCATION: South San Francisco Bay  
 DATE: September 22, 1989  
 JULIAN DAY: 89265

STN	TIME	DEPTH	DISCR CHL a	CHLa a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22	1244	1.0			0.46	1.9	0.9	30.8	17.7	22.2
22	1244	2.0			0.46	1.9		30.9	17.3	22.3
22	1244	3.0			0.46	1.9		30.9	17.2	22.3
22	1244	4.0			0.47	1.9		31.0	17.2	22.4
22	1244	5.0			0.47	1.9		30.9	17.3	22.3
22	1244	6.0			0.48	2.0		30.9	17.3	22.3
22	1244	7.0			0.48	2.0		31.0	17.4	22.3
22	1244	8.0			0.49	2.0		31.0	17.4	22.4
22	1244	9.0			0.48	2.0		31.0	17.4	22.4
22	1244	10.0			0.48	2.0		31.0	17.4	22.4
22	1244	11.0			0.46	1.9		31.0	17.4	22.4
22	1244	12.0			0.45	1.8		31.0	17.3	22.4
22	1244	13.0			0.45	1.8		31.0	17.3	22.4
22	1244	14.0			0.44	1.8		31.0	17.3	22.4
22	1244	15.0			0.43	1.7		31.0	17.2	22.4
22	1244	16.0			0.42	1.7		31.0	17.2	22.4
22	1244	17.0			0.42	1.6		31.0	17.2	22.4
22	1244	18.0			0.41	1.6		31.0	17.2	22.4
21	1228	1.0	1.9	0.75	0.53	2.3	0.5	31.0	17.9	22.2
21	1228	2.0			0.53	2.3		31.0	17.9	22.2
21	1228	3.0			0.53	2.3		31.0	17.9	22.2
21	1228	4.0			0.52	2.3		31.0	17.9	22.2
21	1228	5.0			0.52	2.3		31.1	17.6	22.4
21	1228	6.0			0.53	2.3		31.1	17.5	22.4
21	1228	7.0			0.52	2.2		31.1	17.4	22.4
21	1228	8.0			0.52	2.2		31.1	17.4	22.4
21	1228	9.0			0.52	2.2		31.1	17.4	22.4
21	1228	10.0			0.49	2.0		31.1	17.2	22.5
21	1228	11.0			0.47	1.9		31.1	17.1	22.5
21	1228	12.0			0.45	1.8		31.1	17.1	22.5
21	1228	13.0			0.42	1.7		31.1	17.1	22.5
21	1228	14.0			0.42	1.7		31.1	17.1	22.5
21	1228	15.0			0.41	1.6		31.2	17.0	22.6
21	1228	16.0			0.40	1.6		31.2	17.0	22.6
21	1228	17.0	1.5	0.47	0.41	1.6		31.2	17.0	22.6

Fluorometer Calibration:    n    r<sup>2</sup>    A    B    Syx  
                                  10    0.86    -0.8    5.79    0.4

LOCATION: North San Francisco Bay  
 DATE: October 4, 1989  
 JULIAN DAY: 89277

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657	1631	1.0			0.43	1.2	1.7	0.1	19.3	0.0
657	1631	2.0			0.43	1.2		0.1	19.3	0.0
657	1631	3.0			0.43	1.2		0.1	19.3	0.0
657	1631	4.0			0.45	1.4		0.1	19.3	0.0
657	1631	5.0			0.43	1.2		0.1	19.3	0.0
657	1631	6.0			0.44	1.3		0.1	19.3	0.0
657	1631	7.0			0.45	1.3		0.1	19.3	0.0
657	1631	8.0			0.44	1.3		0.1	19.3	0.0
657	1631	9.0			0.44	1.2		0.1	19.3	0.0
657	1631	10.0			0.44	1.3		0.1	19.3	0.0
653	1604	1.0			0.55	2.1	2.1	0.2	19.3	0.0
653	1604	2.0			0.55	2.1		0.2	19.3	0.0
653	1604	3.0			0.54	2.0		0.2	19.3	0.0
653	1604	4.0			0.56	2.2		0.2	19.2	0.0
653	1604	5.0			0.57	2.2		0.2	19.1	0.0
653	1604	6.0			0.58	2.3		0.2	19.0	0.0
653	1604	7.0			0.58	2.3		0.2	19.0	0.0
653	1604	8.0			0.58	2.3		0.2	19.0	0.0
653	1604	9.0			0.59	2.4		0.2	19.0	0.0
649	1533	1.0			0.57	2.3	3.0	1.2	19.9	0.0
649	1533	2.0			0.57	2.3		1.2	19.8	0.0
649	1533	3.0			0.57	2.2		1.2	19.6	0.0
649	1533	4.0			0.56	2.2		1.3	19.4	0.0
649	1533	5.0			0.57	2.3		1.3	19.2	0.0
649	1533	6.0			0.56	2.1		1.3	19.2	0.0
649	1533	7.0			0.56	2.1		1.3	19.3	0.0
649	1533	8.0			0.55	2.1		1.4	19.2	0.0
649	1533	9.0			0.55	2.1		1.4	19.1	0.0
649	1533	10.0			0.54	2.0		1.4	19.1	0.0
649	1533	11.0			0.53	1.9		1.4	19.1	0.0
2	1516	1.0			0.50	1.7	1.8	1.9	19.7	0.0
2	1516	2.0			0.50	1.7		1.9	19.4	0.0
2	1516	3.0			0.50	1.7		2.0	19.3	0.0
2	1516	4.0			0.50	1.7		2.1	19.4	0.0
2	1516	5.0			0.50	1.7		2.1	19.3	0.0
2	1516	6.0			0.49	1.7		2.3	19.2	0.1
2	1516	7.0			0.49	1.6		2.5	19.2	0.3
2	1516	8.0			0.49	1.6		2.8	19.1	0.5
2	1516	9.0			0.48	1.6		2.9	19.1	0.6
2	1516	10.0			0.47	1.5		2.9	19.1	0.6
2	1516	11.0			0.46	1.4		2.9	19.1	0.6
2	1516	12.0			0.45	1.4		2.9	19.1	0.6
3	1458	1.0	1.6	0.53	0.49	1.6	1.8	2.1	20.3	0.0
3	1458	2.0			0.49	1.6		2.1	20.2	0.0
3	1458	3.0			0.49	1.6		2.2	19.8	0.0
3	1458	4.0			0.48	1.6		2.5	19.3	0.2
3	1458	5.0			0.47	1.5		2.7	19.3	0.4
3	1458	6.0			0.46	1.5		3.0	19.1	0.7
3	1458	7.0			0.45	1.4		3.1	19.0	0.8
3	1458	8.0			0.45	1.4		3.3	19.0	1.0
3	1458	9.0			0.44	1.3		3.6	19.0	1.2
3	1458	10.0			0.43	1.2		3.8	19.0	1.3
3	1458	11.0			0.42	1.1		4.2	19.0	1.6
3	1458	12.0			0.42	1.1		4.4	19.0	1.8
3	1458	13.0			0.41	1.1		4.5	18.9	1.9
4	1403	1.0			0.44	1.3	2.3	3.6	19.5	1.0
4	1403	2.0			0.44	1.3		3.6	19.4	1.1
4	1403	3.0			0.44	1.3		3.7	19.3	1.2
4	1403	4.0			0.44	1.3		3.7	19.3	1.2
4	1403	5.0			0.44	1.3		3.8	19.3	1.2

LOCATION: North San Francisco Bay  
 DATE: October 4, 1969  
 JULIAN DAY: 89277

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
4	1403	6.0			0.42	1.1		4.6	18.9	1.9
4	1403	7.0			0.42	1.1		5.2	18.8	2.4
4	1403	8.0			0.40	1.0		5.5	18.8	2.6
4	1403	9.0			0.40	1.0		5.7	18.8	2.8
4	1403	10.0			0.38	0.8		5.9	18.8	3.0
4	1403	11.0			0.36	0.7		6.2	18.8	3.2
4	1403	12.0			0.37	0.7		6.9	18.8	3.7
4	1403	13.0			0.38	0.8		7.1	18.9	3.8
4	1403	14.0			0.38	0.8		7.1	18.9	3.9
5	1343	1.0			0.41	1.0	1.8	5.2	19.3	2.3
5	1343	2.0			0.41	1.0		5.2	19.1	2.4
5	1343	3.0			0.41	1.0		5.3	19.0	2.5
5	1343	4.0			0.39	0.9		6.3	18.7	3.3
5	1343	5.0			0.39	0.9		7.2	18.7	3.9
5	1343	6.0			0.39	0.9		8.1	18.8	4.6
5	1343	7.0			0.38	0.8		8.5	18.8	5.0
5	1343	8.0			0.38	0.8		8.8	18.8	5.1
5	1343	9.0			0.38	0.8		8.9	18.8	5.2
5	1343	10.0			0.36	0.6		9.0	18.8	5.3
5	1343	11.0			0.35	0.6		9.0	18.8	5.3
5	1343	12.0			0.34	0.5		9.0	18.8	5.3
6	1310	1.0			0.39	0.9	1.2	7.0	19.1	3.7
6	1310	2.0			0.39	0.9		7.3	18.9	4.0
6	1310	3.0			0.39	0.9		8.3	18.7	4.8
6	1310	4.0			0.39	0.9		9.3	18.8	5.5
6	1310	5.0			0.39	0.9		9.7	18.7	5.8
6	1310	6.0			0.39	0.9		10.1	18.7	6.2
6	1310	7.0			0.39	0.9		10.4	18.7	6.4
6	1310	8.0			0.39	0.9		10.6	18.8	6.5
6	1310	9.0			0.39	0.9		10.9	18.8	6.7
6	1310	10.0			0.38	0.8		11.5	18.8	7.2
6	1310	11.0			0.35	0.6		12.2	18.8	7.7
7	1243	1.0	0.9	0.56	0.40	1.0	1.0	11.3	19.1	6.9
7	1243	2.0			0.40	1.0		11.9	19.0	7.5
7	1243	3.0			0.40	0.9		12.8	18.9	8.2
7	1243	4.0			0.39	0.9		13.2	18.8	8.5
7	1243	5.0			0.39	0.9		13.5	18.8	8.7
7	1243	6.0			0.38	0.8		13.8	18.8	8.9
7	1243	7.0			0.37	0.8		14.1	18.8	9.2
7	1243	8.0			0.37	0.7		14.4	18.8	9.4
7	1243	9.0			0.36	0.7		14.7	18.8	9.6
7	1243	10.0			0.35	0.6		14.8	18.8	9.7
7	1243	11.0			0.35	0.6		15.0	18.8	9.9
7	1243	12.0			0.33	0.5		15.5	18.8	10.2
7	1243	13.0			0.33	0.4		15.6	18.8	10.3
7	1243	14.0			0.32	0.4		15.6	18.8	10.3
7	1243	15.0			0.33	0.4		15.7	18.8	10.3
7	1243	16.0			0.32	0.3		15.7	18.8	10.3
8	1218	1.0			0.40	1.0	1.2	13.5	18.7	8.7
8	1218	2.0			0.40	1.0		13.5	18.8	8.7
8	1218	3.0			0.41	1.0		13.4	18.8	8.7
8	1218	4.0			0.40	0.9		14.0	18.7	9.1
8	1218	5.0			0.39	0.9		14.6	18.8	9.5
8	1218	6.0			0.38	0.8		15.1	18.8	9.9
8	1218	7.0			0.38	0.8		15.4	18.8	10.1
8	1218	8.0			0.37	0.7		16.1	18.8	10.7
8	1218	9.0			0.36	0.7		16.6	18.8	11.0
8	1218	10.0			0.35	0.6		16.9	18.8	11.3
8	1218	11.0			0.34	0.5		17.3	18.7	11.6
8	1218	12.0			0.33	0.4		17.7	18.7	11.9
8	1218	13.0			0.32	0.4		18.7	18.7	12.7

LOCATION: North San Francisco Bay  
 DATE: October 4, 1989  
 JULIAN DAY: 89277

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
8	1218	14.0								
8	1218	15.0			0.32	0.3		19.4	18.7	13.2
					0.31	0.3		19.5	18.7	13.3
9	1156	1.0			0.40	0.9	1.0	15.4	18.8	10.1
9	1156	2.0			0.40	0.9		15.5	18.7	10.2
9	1156	3.0			0.39	0.9		15.5	18.7	10.3
9	1156	4.0			0.39	0.9		15.5	18.7	10.3
9	1156	5.0			0.39	0.9		15.7	18.7	10.4
9	1156	6.0			0.38	0.8		16.0	18.7	10.6
9	1156	7.0			0.37	0.8		16.4	18.8	10.9
9	1156	8.0			0.37	0.7		16.8	18.8	11.2
9	1156	9.0			0.36	0.7		17.3	18.8	11.6
9	1156	10.0			0.35	0.6		18.0	18.7	12.2
9	1156	11.0			0.34	0.5		18.2	18.7	12.3
9	1156	12.0			0.33	0.4		18.4	18.7	12.4
9	1156	13.0			0.32	0.4		18.7	18.7	12.7
9	1156	14.0			0.32	0.4		19.0	18.6	12.9
9	1156	15.0			0.31	0.3		19.0	18.6	13.0
9	1156	16.0			0.31	0.3		19.4	18.6	13.3
9	1156	17.0			0.31	0.3		19.8	18.6	13.6
9	1156	18.0			0.31	0.3		19.9	18.6	13.6
9	1156	19.0			0.30	0.2		20.0	18.6	13.7
9	1156	20.0			0.30	0.2		20.5	18.6	14.0
9	1156	21.0			0.30	0.2		20.7	18.6	14.2
9	1156	22.0			0.31	0.3		20.8	18.6	14.3
9	1156	23.0			0.30	0.2		20.6	18.6	14.3
9	1156	24.0			0.30	0.2		20.8	18.6	14.3
9	1156	25.0			0.30	0.2		20.9	18.6	14.3
9	1156	26.0			0.30	0.2		20.9	18.6	14.4
9	1156	27.0			0.30	0.2		21.0	18.5	14.5
9	1156	28.0			0.30	0.2		21.1	18.5	14.5
10	1143	1.0			0.35	0.6	0.8	16.6	18.8	11.1
10	1143	2.0			0.35	0.6		17.1	18.7	11.4
10	1143	3.0			0.35	0.6		17.1	18.7	11.5
10	1143	4.0			0.35	0.6		17.2	18.7	11.6
10	1143	5.0			0.34	0.5		17.5	18.7	11.7
10	1143	6.0			0.34	0.5		17.7	18.7	11.9
10	1143	7.0			0.34	0.5		17.8	18.7	12.0
10	1143	8.0			0.33	0.5		18.2	18.6	12.3
10	1143	9.0			0.33	0.5		19.2	18.6	13.0
10	1143	10.0			0.33	0.4		19.6	18.6	13.4
10	1143	11.0			0.32	0.4		19.8	18.6	13.5
10	1143	12.0			0.32	0.3		19.9	18.6	13.6
10	1143	13.0			0.31	0.3		20.0	18.6	13.7
10	1143	14.0			0.31	0.3		20.0	18.6	13.7
10	1143	15.0			0.31	0.3		20.1	18.6	13.8
10	1143	16.0			0.30	0.3		20.3	18.6	13.9
10	1143	17.0			0.30	0.2		20.7	18.5	14.2
10	1143	18.0			0.30	0.2		21.1	18.5	14.6
11	1116	1.0	0.8	0.52	0.36	0.7	1.0	18.3	18.7	12.4
11	1116	2.0			0.36	0.7		18.9	18.6	12.9
11	1116	3.0			0.35	0.6		19.5	18.5	13.3
11	1116	4.0			0.35	0.6		19.8	18.5	13.6
11	1116	5.0			0.34	0.6		20.1	18.5	13.8
11	1116	6.0			0.34	0.5		20.9	18.4	14.4
11	1116	7.0			0.34	0.5		22.2	18.4	15.4
11	1116	8.0			0.35	0.6		22.5	18.4	15.7
11	1116	9.0			0.34	0.5		22.8	18.4	15.8
11	1116	10.0			0.34	0.5		22.9	18.4	16.0
11	1116	11.0			0.33	0.4		23.5	18.4	16.4
11	1116	12.0			0.32	0.4		24.0	18.4	16.8
11	1116	13.0			0.34	0.5		24.2	18.4	16.9

LOCATION: North San Francisco Bay  
 DATE: October 4, 1969  
 JULIAN DAY: 89277

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
11	1116	14.0			0.34	0.5		24.2	18.4	16.9
13	1033	1.0	1.8	0.76	0.53	1.9	0.8	24.5	18.3	17.2
13	1033	2.0			0.53	1.9		24.6	18.3	17.3
13	1033	3.0			0.53	1.9		25.2	18.1	17.8
13	1033	4.0			0.49	1.7		26.3	18.1	18.6
13	1033	5.0			0.47	1.5		26.7	18.2	18.9
13	1033	6.0			0.45	1.4		27.0	18.1	19.2
13	1033	7.0			0.44	1.2		27.1	18.1	19.2
13	1033	8.0			0.42	1.1		27.1	18.1	19.2
13	1033	9.0			0.41	1.0		27.2	18.1	19.3
13	1033	10.0			0.40	0.9		27.2	18.1	19.3
15	952	1.0	3.1	0.76	0.66	2.9	0.7	24.8	17.7	17.6
15	952	2.0			0.66	2.9		25.5	17.8	18.1
15	952	3.0			0.62	2.6		26.3	18.0	18.6
15	952	4.0			0.60	2.4		27.0	17.9	19.2
15	952	5.0			0.57	2.2		27.3	17.9	19.4
15	952	6.0			0.55	2.1		27.5	17.8	19.6
15	952	7.0			0.52	1.9		27.7	17.8	19.8
15	952	8.0			0.50	1.7		27.9	17.8	19.9
15	952	9.0			0.48	1.6		27.9	17.8	19.9
15	952	10.0			0.46	1.4		28.0	17.8	20.0
15	952	11.0			0.45	1.3		28.2	17.8	20.1
15	952	12.0			0.44	1.2		28.4	17.8	20.3
15	952	13.0			0.43	1.2		28.5	17.7	20.3
15	952	14.0			0.42	1.1		28.5	17.7	20.4
15	952	15.0			0.42	1.1		28.5	17.7	20.4
15	952	16.0			0.41	1.1		28.6	17.7	20.4
15	952	17.0			0.41	1.1		28.7	17.7	20.5
15	952	18.0			0.41	1.0		28.7	17.6	20.6
15	952	19.0			0.41	1.0		29.0	17.5	20.8
15	952	20.0			0.41	1.0		29.2	17.4	21.0
15	952	21.0			0.41	1.0		29.6	17.2	21.3
15	952	22.0			0.41	1.0		30.1	17.0	21.8

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx  
                                  5      0.98      -2.0      7.48      0.2



LOCATION: South San Francisco Bay  
 DATE: October 5, 1969  
 JULIAN DAY: 69273

STN	TIME	DEPTH	DISC CHL a	CHLa a-PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
30	1620	1.0	3.0	0.80	0.69	3.1	1.0	31.4	20.2	22.0
30	1620	2.0			0.69	3.1		31.4	19.7	22.1
30	1620	3.0			0.65	2.8		31.4	19.4	22.2
30	1620	4.0			0.60	2.6		31.5	19.2	22.3
30	1620	5.0			0.56	2.5		31.5	19.1	22.3
30	1620	6.0			0.53	2.3		31.5	19.1	22.4
30	1620	7.0			0.49	2.2		31.5	19.0	22.4
30	1620	8.0			0.47	2.1		31.5	19.0	22.3
30	1620	9.0			0.46	2.0		31.5	19.0	22.3
30	1620	10.0			0.43	1.8		31.4	19.0	22.3
30	1620	11.0			0.42	1.8		31.4	19.0	22.3
30	1620	12.0			0.41	1.7		31.4	19.0	22.3
30	1620	13.0			0.41	1.7		31.4	19.0	22.3
30	1620	14.0			0.40	1.7		31.4	19.0	22.3
30	1620	15.0			0.41	1.7		31.4	19.0	22.3
30	1620	16.0			0.41	1.7		31.4	19.0	22.3
29	1557	1.0			0.69	3.1	1.0	31.5	20.1	22.1
29	1557	2.0			0.69	3.1		31.6	19.4	22.4
29	1557	3.0			0.66	3.0		31.7	19.1	22.5
29	1557	4.0			0.66	2.9		31.6	19.0	22.5
29	1557	5.0			0.65	2.8		31.6	18.9	22.4
29	1557	6.0			0.61	2.7		31.5	18.9	22.4
29	1557	7.0			0.59	2.6		31.5	18.9	22.4
29	1557	8.0			0.55	2.4		31.5	18.8	22.4
29	1557	9.0			0.52	2.3		31.5	18.8	22.4
29	1557	10.0			0.49	2.2		31.5	18.7	22.4
29	1557	11.0			0.45	2.0		31.5	18.7	22.4
29	1557	12.0			0.45	1.9		31.5	18.7	22.4
29	1557	13.0			0.42	1.8		31.5	18.7	22.4
29	1557	14.0			0.42	1.8		31.5	18.7	22.4
29	1557	15.0			0.40	1.7		31.5	18.7	22.4
28	1541	1.0			0.64	2.9	0.9	31.5	20.0	22.1
28	1541	2.0			0.64	2.9		31.5	19.4	22.3
28	1541	3.0			0.63	2.8		31.6	19.1	22.4
28	1541	4.0			0.60	2.7		31.6	19.0	22.4
28	1541	5.0			0.59	2.6		31.6	19.0	22.4
28	1541	6.0			0.56	2.5		31.6	18.9	22.4
28	1541	7.0			0.54	2.4		31.5	18.9	22.4
28	1541	8.0			0.51	2.2		31.5	18.9	22.4
28	1541	9.0			0.49	2.1		31.5	18.9	22.4
28	1541	10.0			0.47	2.1		31.5	18.9	22.4
28	1541	11.0			0.46	2.0		31.5	18.9	22.4
28	1541	12.0			0.45	1.9		31.5	18.9	22.4
28	1541	13.0			0.44	1.9		31.5	18.9	22.4
28	1541	14.0			0.43	1.8		31.5	18.8	22.4
28	1541	15.0			0.42	1.8		31.5	18.8	22.4
28	1541	16.0			0.42	1.8		31.5	18.8	22.4
27	1528	1.0	2.9	0.80	0.64	2.8	0.8	31.6	20.8	21.9
27	1528	2.0			0.64	2.8		31.6	20.5	22.1
27	1528	3.0			0.63	2.8		31.6	20.4	22.1
27	1528	4.0			0.62	2.8		31.7	19.7	22.3
27	1528	5.0			0.61	2.7		31.6	19.4	22.3
27	1528	6.0			0.57	2.5		31.6	19.1	22.4
27	1528	7.0			0.54	2.4		31.5	18.9	22.4
27	1528	8.0			0.51	2.2		31.5	18.9	22.4
27	1528	9.0			0.48	2.1		31.5	18.9	22.4
27	1528	10.0			0.47	2.0		31.5	18.9	22.4
27	1528	11.0			0.44	1.9		31.5	18.9	22.4
27	1528	12.0			0.43	1.9		31.5	18.9	22.4
27	1528	13.0			0.39	1.7		31.5	18.8	22.4
26	1503	1.0			0.55	2.4	0.7	31.4	20.3	22.0

LOCATION: South San Francisco Bay  
 DATE: October 5, 1989  
 JULIAN DAY: 39278

STN	TIME	DEPTH	DISCR CHL a	CHLa a+PHA	FLUGR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
26	1503	2.0			0.55	2.4		31.5	20.0	22.1
26	1503	3.0			0.55	2.4		31.6	19.8	22.2
26	1503	4.0			0.55	2.4		31.7	19.4	22.4
26	1503	5.0			0.53	2.3		31.6	19.2	22.4
26	1503	6.0			0.51	2.3		31.5	19.1	22.3
26	1503	7.0			0.49	2.2		31.5	19.1	22.3
26	1503	8.0			0.50	2.2		31.5	19.1	22.3
26	1503	9.0			0.48	2.1		31.5	19.1	22.3
26	1503	10.0			0.46	2.0		31.5	19.0	22.3
26	1503	11.0			0.45	1.9		31.5	19.0	22.3
25	1446	1.0			0.51	2.2	0.6	31.3	19.6	22.1
25	1446	2.0			0.51	2.2		31.4	19.5	22.1
25	1446	3.0			0.50	2.2		31.4	19.4	22.2
25	1446	4.0			0.49	2.1		31.4	19.4	22.1
25	1446	5.0			0.48	2.1		31.4	19.4	22.1
25	1446	6.0			0.47	2.1		31.4	19.4	22.1
25	1446	7.0			0.47	2.1		31.4	19.4	22.1
25	1446	8.0			0.47	2.0		31.4	19.4	22.1
25	1446	9.0			0.46	2.0		31.4	19.4	22.1
25	1446	10.0			0.44	1.9		31.4	19.4	22.1
24	1428	1.0	2.6	0.75	0.56	2.5	0.6	30.9	18.4	22.1
24	1428	2.0			0.56	2.5		30.9	18.2	22.1
24	1428	3.0			0.53	2.3		30.9	18.0	22.1
24	1428	4.0			0.51	2.3		30.9	18.0	22.1
24	1428	5.0			0.50	2.2		30.9	18.0	22.1
24	1428	6.0			0.47	2.1		30.9	18.0	22.1
24	1428	7.0			0.46	2.0		30.9	18.0	22.1
24	1428	8.0			0.45	1.9		30.9	18.0	22.1
24	1428	9.0			0.44	1.9		30.9	18.0	22.1
24	1428	10.0			0.43	1.9		30.9	18.0	22.1
24	1428	11.0			0.42	1.8		30.9	18.0	22.1
23	1413	1.0			0.41	1.7	0.8	30.5	17.9	21.9
23	1413	2.0			0.41	1.7		30.6	17.5	22.0
23	1413	3.0			0.42	1.8		30.6	17.3	22.1
23	1413	4.0			0.42	1.8		30.7	17.3	22.1
23	1413	5.0			0.42	1.8		30.7	17.3	22.1
23	1413	6.0			0.42	1.8		30.6	17.3	22.1
23	1413	7.0			0.42	1.8		30.6	17.3	22.1
23	1413	8.0			0.42	1.8		30.6	17.3	22.1
23	1413	9.0			0.42	1.8		30.6	17.3	22.1
23	1413	10.0			0.40	1.7		30.6	17.3	22.1
23	1413	11.0			0.41	1.7		30.6	17.3	22.1
23	1413	12.0			0.39	1.6		30.6	17.3	22.1
23	1413	13.0			0.38	1.6		30.6	17.2	22.1
23	1413	14.0			0.38	1.6		30.6	17.2	22.1
23	1413	15.0			0.39	1.6		30.6	17.2	22.1
23	1413	16.0			0.39	1.7		30.6	17.2	22.1
23	1413	17.0			0.40	1.7		30.6	17.2	22.1
23	1413	18.0			0.40	1.7		30.6	17.3	22.1
23	1413	19.0			0.40	1.7		30.6	17.3	22.1
22	1355	1.0			0.45	1.9	0.7	30.7	17.1	22.2
22	1355	2.0			0.45	1.9		30.7	17.1	22.2
22	1355	3.0			0.45	2.0		30.7	17.0	22.2
22	1355	4.0			0.45	2.0		30.8	16.9	22.3
22	1355	5.0			0.45	1.9		30.8	16.9	22.3
22	1355	6.0			0.44	1.9		30.9	16.8	22.4
22	1355	7.0			0.43	1.9		31.0	16.7	22.5
22	1355	8.0			0.42	1.8		31.1	16.5	22.6
22	1355	9.0			0.41	1.8		31.2	16.5	22.7
22	1355	10.0			0.39	1.6		31.4	16.2	22.9
22	1355	11.0			0.37	1.6		31.5	16.1	23.0

LOCATION: South San Francisco Bay  
 DATE: October 5, 1969  
 JOINT ID: 89178

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22	1355	12.0								
22	1355	13.0			0.36	1.5		31.5	16.1	23.0
22	1355	14.0			0.34	1.4		31.5	16.0	23.1
22	1355	15.0			0.34	1.4		31.5	16.1	23.1
22	1355	16.0			0.33	1.4		31.5	16.1	23.1
22	1355	17.0			0.32	1.3		31.5	16.1	23.1
22	1355	18.0			0.33	1.4		31.5	16.0	23.1
					0.32	1.3		31.5	16.0	23.1
21	1339	1.0	2.1	0.62						
21	1339	2.0			0.50	2.2	0.9	30.6	17.4	22.0
21	1339	3.0			0.50	2.2		30.6	17.1	22.1
21	1339	4.0			0.51	2.2		30.7	17.0	22.2
21	1339	5.0			0.49	2.1		30.7	16.9	22.2
21	1339	6.0			0.48	2.1		30.9	16.7	22.5
21	1339	7.0			0.46	2.0		31.3	16.3	22.9
21	1339	8.0			0.45	1.9		31.3	16.3	22.9
21	1339	9.0			0.44	1.9		31.5	16.1	23.0
21	1339	10.0			0.42	1.8		31.7	15.8	23.2
21	1339	11.0			0.41	1.7		31.7	15.8	23.2
21	1339	12.0			0.40	1.7		31.7	15.8	23.2
21	1339	13.0			0.38	1.6		31.7	15.8	23.2
21	1339	14.0			0.38	1.6		31.7	15.8	23.2
21	1339	15.0			0.38	1.6		31.7	15.8	23.2
21	1339	16.0			0.39	1.6		31.7	15.8	23.2
					0.39	1.7		31.7	15.8	23.2

Fluorometer Calibration:

n	r <sup>2</sup>	A	B	Syx
4	0.87	-0.2	4.76	0.2

LOCATION: North San Francisco Bay  
 DATE: December 12, 1989  
 JULIAN DAY: 89346

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	1641	1.0	0.7	0.47	0.34	0.5	1.5	0.3	10.6	0.0
657	1641	2.0			0.34			0.3	10.6	0.0
657	1641	3.0			0.34			0.3	10.6	0.0
657	1641	4.0			0.34			0.3	10.6	0.0
657	1641	5.0			0.34			0.3	10.6	0.0
657	1641	6.0			0.34			0.3	10.6	0.0
657	1641	7.0			0.34			0.3	10.6	0.0
657	1641	8.0			0.34			0.3	10.6	0.0
657	1641	9.0	0.7	0.41	0.34	0.5		0.3	10.6	0.0
657	1641	10.0			0.33			0.3	10.6	0.0
657	1641	11.0			0.32			0.4	10.6	0.0
						0.4		0.4	10.6	0.0
653	1608	1.0			0.37	0.6	2.4	1.7	11.3	0.9
653	1608	2.0			0.37	0.6		1.9	11.3	1.1
653	1608	3.0			0.37	0.6		1.9	11.3	1.1
653	1608	4.0			0.37	0.6		1.9	11.3	1.1
653	1608	5.0			0.37	0.6		2.0	11.3	1.1
653	1608	6.0			0.37	0.6		2.0	11.3	1.1
653	1608	7.0			0.37	0.6		2.0	11.3	1.1
653	1608	8.0			0.37	0.6		2.0	11.3	1.2
					0.38	0.6		2.1	11.3	1.2
649	1531	1.0			0.38	0.6	2.1	4.1	11.7	2.7
649	1531	2.0			0.38	0.6		4.2	11.7	2.8
649	1531	3.0			0.38	0.6		4.2	11.7	2.8
649	1531	4.0			0.38	0.6		4.7	11.6	3.2
649	1531	5.0			0.38	0.6		5.4	11.6	3.8
649	1531	6.0			0.38	0.6		5.7	11.6	4.0
649	1531	7.0			0.38	0.6		6.0	11.6	4.2
649	1531	8.0			0.38	0.6		6.0	11.6	4.2
649	1531	9.0			0.38	0.6		6.1	11.6	4.3
649	1531	10.0			0.37	0.6		6.2	11.6	4.3
649	1531	11.0			0.35	0.5		6.2	11.6	4.4
649	1531	12.0			0.34	0.5		6.3	11.6	4.4
2		1.0	0.4	0.22						
3	1448	1.0			0.38	0.6	2.3	8.1	11.4	5.9
3	1448	2.0			0.38	0.6		8.6	11.4	6.2
3	1448	3.0			0.38	0.6		9.0	11.4	6.6
3	1448	4.0			0.38	0.6		9.1	11.4	6.6
3	1448	5.0			0.38	0.6		9.2	11.4	6.7
3	1448	6.0			0.38	0.6		9.2	11.4	6.8
3	1448	7.0			0.38	0.6		9.4	11.3	6.9
3	1448	8.0			0.38	0.6		9.5	11.3	6.9
3	1448	9.0			0.38	0.6		9.7	11.3	7.1
3	1448	10.0			0.37	0.6		9.9	11.2	7.2
3	1448	11.0			0.37	0.6		9.9	11.2	7.3
3	1448	12.0			0.36	0.5		10.0	11.2	7.3
3	1448	13.0			0.34	0.5		10.0	11.2	7.3
4	1420	1.0	0.6	0.30	0.38	0.6	2.5	8.6	11.3	6.2
4	1420	2.0			0.38	0.6		8.8	11.3	6.4
4	1420	3.0			0.38	0.6		9.0	11.3	6.6
4	1420	4.0			0.38	0.6		9.1	11.2	6.6
4	1420	5.0			0.39	0.6		9.3	11.1	6.8
4	1420	6.0			0.39	0.6		10.3	11.1	7.6
4	1420	7.0			0.40	0.6		10.8	11.2	8.0
4	1420	8.0			0.40	0.6		10.9	11.2	8.1
4	1420	9.0			0.40	0.6		11.3	11.2	8.4
4	1420	10.0			0.40	0.6		11.5	11.2	8.5
4	1420	11.0			0.40	0.6		11.6	11.2	8.6
4	1420	12.0			0.40	0.6		11.7	11.2	8.6
4	1420	13.0			0.40	0.6		12.1	11.3	9.0
4	1420	14.0			0.40	0.6		12.3	11.3	9.1
4	1420	15.0			0.40	0.6		12.4	11.3	9.2

LOCATION: North San Francisco Bay  
 DATE: December 12, 1989  
 JULIAN DAY: 89346

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
4	1420	16.0	0.7	0.24	0.40	0.6		12.4	11.3	9.2
5	1402	1.0			0.40	0.6	3.3	11.4	11.2	8.5
5	1402	2.0			0.40	0.6		11.5	11.3	8.5
5	1402	3.0			0.40	0.6		11.5	11.3	8.5
5	1402	4.0			0.40	0.6		11.4	11.4	8.4
5	1402	5.0			0.40	0.6		11.5	11.4	8.5
5	1402	6.0			0.41	0.7		11.9	11.4	8.6
5	1402	7.0			0.41	0.7		12.6	11.4	9.3
5	1402	8.0			0.41	0.7		12.9	11.5	9.6
5	1402	9.0			0.41	0.7		13.5	11.5	10.0
5	1402	10.0			0.41	0.7		13.8	11.5	10.3
5	1402	11.0			0.40	0.7		14.1	11.5	10.5
5	1402	12.0			0.40	0.6		14.3	11.5	10.7
6	1338	1.0	0.6	0.21	0.37	0.6	3.0	15.4	11.6	11.5
6	1338	2.0			0.37	0.6		16.5	11.5	12.4
6	1338	3.0			0.37	0.6		17.0	11.5	12.7
6	1338	4.0			0.37	0.6		17.5	11.6	13.1
6	1338	5.0			0.37	0.6		17.8	11.6	13.3
6	1338	6.0			0.37	0.6		18.3	11.6	13.7
6	1338	7.0			0.37	0.6		18.6	11.6	14.0
6	1338	8.0			0.37	0.6		18.7	11.6	14.0
6	1338	9.0			0.37	0.6		18.7	11.6	14.1
6	1338	10.0			0.36	0.5		18.7	11.6	14.1
6	1338	11.0			0.34	0.5		18.7	11.6	14.1
6	1338	12.0	0.4	0.15	0.33	0.5		18.7	11.6	14.1
7	1302	1.0			0.37	0.6	3.9	20.5	11.7	15.4
7	1302	2.0			0.37	0.6		20.6	11.7	15.5
7	1302	3.0			0.36	0.5		20.9	11.6	15.7
7	1302	4.0			0.36	0.5		21.1	11.5	15.9
7	1302	5.0			0.36	0.5		21.3	11.5	16.0
7	1302	6.0			0.37	0.6		21.4	11.5	16.1
7	1302	7.0			0.37	0.6		21.4	11.5	16.1
7	1302	8.0			0.37	0.6		21.4	11.5	16.2
7	1302	9.0			0.37	0.6		21.5	11.5	16.2
7	1302	10.0			0.36	0.5		21.5	11.5	16.2
7	1302	11.0			0.35	0.5		21.5	11.5	16.2
7	1302	12.0			0.34	0.5		21.5	11.5	16.2
7	1302	13.0			0.33	0.5		21.5	11.5	16.2
7	1302	14.0			0.33	0.5		21.5	11.5	16.2
8	1241	1.0	0.4	0.11	0.36	0.5	4.9	23.1	11.4	17.5
8	1241	2.0			0.36	0.5		23.1	11.4	17.5
8	1241	3.0			0.37	0.6		23.2	11.4	17.5
8	1241	4.0			0.37	0.6		23.2	11.4	17.5
8	1241	5.0			0.37	0.6		23.2	11.4	17.5
8	1241	6.0			0.37	0.6		23.2	11.4	17.6
8	1241	7.0			0.37	0.6		23.3	11.4	17.6
8	1241	8.0			0.37	0.6		23.3	11.4	17.6
8	1241	9.0			0.37	0.6		23.3	11.4	17.6
8	1241	10.0			0.36	0.5		23.4	11.4	17.7
8	1241	11.0			0.34	0.5		23.4	11.4	17.7
8	1241	12.0			0.33	0.5		23.5	11.4	17.8
8	1241	13.0			0.33	0.5		23.6	11.4	17.8
8	1241	14.0			0.32	0.4		23.6	11.4	17.9
8	1241	15.0	0.1	0.03	0.32	0.4		23.6	11.4	17.9
9	1224	1.0			0.36	0.5	4.8	23.6	11.4	17.9
9	1224	2.0			0.36	0.5		23.6	11.4	17.9
9	1224	3.0			0.37	0.6		23.6	11.4	17.9
9	1224	4.0			0.36	0.6		23.6	11.4	17.9
9	1224	5.0			0.37	0.6		23.6	11.4	17.9
9	1224	6.0			0.37	0.6		23.6	11.4	17.9

LOCATION: North San Francisco Bay  
 DATE: December 12, 1989  
 JULIAN DAY: 89346

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9	1224	7.0			0.37	0.6		23.7	11.4	17.9
9	1224	8.0			0.37	0.6		23.7	11.4	17.9
9	1224	9.0			0.37	0.6		23.6	11.4	17.9
9	1224	10.0			0.36	0.5		23.6	11.4	17.9
9	1224	11.0			0.34	0.5		23.6	11.4	17.9
9	1224	12.0			0.34	0.5		23.6	11.4	17.9
9	1224	13.0			0.33	0.5		23.6	11.4	17.9
9	1224	14.0			0.32	0.4		23.6	11.3	17.8
9	1224	15.0			0.32	0.4		23.9	11.3	18.1
9	1224	16.0			0.31	0.4		23.9	11.3	18.1
9	1224	17.0			0.31	0.4		24.0	11.3	18.2
9	1224	18.0			0.31	0.4		24.2	11.3	18.3
9	1224	19.0			0.31	0.4		24.6	11.3	18.6
9	1224	20.0			0.31	0.4		24.8	11.3	18.8
9	1224	21.0			0.30	0.4		24.8	11.3	18.8
9	1224	22.0			0.30	0.4		24.9	11.3	18.8
9	1224	23.0			0.30	0.4		24.9	11.4	18.9
10	1210	1.0	0.6	0.24	0.35	0.5	3.6	23.6	11.2	17.9
10	1210	2.0			0.35	0.5		23.8	11.2	18.1
10	1210	3.0			0.35	0.5		24.1	11.2	18.3
10	1210	4.0			0.35	0.5		24.1	11.3	18.3
10	1210	5.0			0.36	0.5		24.2	11.3	18.3
10	1210	6.0			0.36	0.5		24.4	11.3	18.5
10	1210	7.0			0.37	0.6		24.6	11.3	18.7
10	1210	8.0			0.37	0.6		24.8	11.4	18.8
10	1210	9.0			0.37	0.6		25.1	11.4	19.0
10	1210	10.0			0.36	0.5		25.6	11.5	19.4
10	1210	11.0			0.34	0.5		25.7	11.5	19.5
10	1210	12.0			0.35	0.5		25.8	11.5	19.5
10	1210	13.0			0.34	0.5		25.8	11.5	19.5
10	1210	14.0			0.33	0.5		25.8	11.5	19.5
10	1210	15.0			0.34	0.5		25.8	11.5	19.6
10	1210	16.0			0.34	0.5		25.9	11.5	19.6
10	1210	17.0			0.33	0.5		25.8	11.5	19.6
10	1210	18.0			0.32	0.4		25.8	11.5	19.6
11	1150	1.0			0.37	0.6	3.9	23.0	11.2	17.4
11	1150	2.0			0.37	0.6		22.9	11.1	17.4
11	1150	3.0			0.37	0.6		23.0	11.2	17.4
11	1150	4.0			0.37	0.6		23.2	11.3	17.6
11	1150	5.0			0.37	0.6		23.5	11.3	17.8
11	1150	6.0			0.37	0.6		23.8	11.4	18.0
11	1150	7.0			0.36	0.5		24.2	11.4	18.3
11	1150	8.0			0.37	0.6		25.1	11.5	19.0
11	1150	9.0			0.37	0.6		25.4	11.5	19.2
11	1150	10.0			0.37	0.6		25.5	11.5	19.3
11	1150	11.0			0.36	0.5		25.8	11.6	19.5
11	1150	12.0			0.36	0.5		26.1	11.6	19.7
11	1150	13.0			0.37	0.6		26.4	11.6	19.9
11	1150	14.0			0.37	0.6		26.4	11.6	20.0
13	1116	1.0	0.5	0.10	0.39	0.6	3.5	29.1	11.9	22.0
13	1116	2.0			0.39	0.6		29.1	11.9	22.1
13	1116	3.0			0.40	0.6		29.1	11.9	22.1
13	1116	4.0			0.40	0.6		29.1	11.9	22.1
13	1116	5.0			0.40	0.7		29.2	11.9	22.1
13	1116	6.0			0.41	0.7		29.2	11.9	22.1
13	1116	7.0			0.41	0.7		29.2	11.9	22.1
13	1116	8.0			0.42	0.7		29.2	11.9	22.1
13	1116	9.0			0.42	0.7		29.2	11.9	22.1
13	1116	10.0			0.42	0.7		29.2	11.9	22.1
13	1116	11.0			0.41	0.7		29.2	11.9	22.1
15	1043	1.0			0.37	0.6	3.4	28.5	11.7	21.6

LOCATION: North San Francisco Bay  
 DATE: December 12, 1989  
 JULIAN DAY: 89346

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
15	1043	2.0								
15	1043	3.0			0.37	0.6		28.6	11.7	21.7
15	1043	4.0			0.37	0.6		28.5	11.7	21.6
15	1043	5.0			0.37	0.6		29.4	11.8	22.3
15	1043	6.0			0.37	0.6		30.0	11.9	22.7
15	1043	7.0			0.38	0.6		30.1	12.0	22.8
15	1043	8.0			0.38	0.6		30.2	12.0	22.9
15	1043	9.0			0.38	0.6		30.3	12.0	22.9
15	1043	10.0			0.38	0.6		30.3	12.0	23.0
15	1043	11.0			0.37	0.6		30.4	12.0	23.0
15	1043	12.0			0.35	0.5		30.4	12.0	23.0
15	1043	13.0			0.35	0.5		30.4	12.0	23.0
15	1043	14.0			0.34	0.5		30.4	12.0	23.0
15	1043	15.0			0.33	0.5		30.4	12.0	23.0
15	1043	16.0			0.33	0.5		30.4	12.0	23.0
15	1043	17.0			0.32	0.4		30.5	12.0	23.1
15	1043	18.0			0.33	0.5		30.5	12.0	23.1
15	1043	19.0			0.32	0.4		30.5	12.1	23.1
15	1043	20.0			0.33	0.5		30.7	12.1	23.2
15	1043	21.0			0.33	0.5		30.8	12.1	23.3
15	1043	22.0			0.33	0.5		30.8	12.1	23.3
15	1043	23.0			0.32	0.4		30.9	12.1	23.3
					0.32	0.4		30.9	12.1	23.4

Fluorometer Calibration:

n	r <sup>2</sup>	A	B	Syx
10	0.16	-0.4	2.57	0.2

LOCATION: South San Francisco Bay  
 DATE: December 13, 1989  
 JULIAN DAY: 89347

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
30	1927	1.0	1.3	0.19	0.64	1.2				
30	1927	2.0			0.64	1.2		29.6	12.0	22.4
30	1927	3.0			0.64	1.2		29.6	12.0	22.4
30	1927	4.0			0.64	1.2		29.6	12.0	22.4
30	1927	5.0			0.65	1.3		29.6	12.1	22.4
30	1927	6.0			0.65	1.3		29.6	12.1	22.4
30	1927	7.0			0.65	1.3		29.6	12.1	22.4
30	1927	8.0			0.65	1.3		29.7	12.1	22.4
30	1927	9.0			0.65	1.3		29.7	12.1	22.5
30	1927	10.0			0.65	1.3		29.7	12.1	22.5
30	1927	11.0			0.64	1.2		29.8	12.1	22.5
30	1927	12.0			0.63	1.2		29.9	12.2	22.6
30	1927	13.0			0.62	1.2		29.9	12.2	22.6
					0.62	1.2		29.9	12.2	22.6
29	1859	1.0			0.51	1.1				
29	1859	2.0			0.51	1.1		30.1	12.1	22.7
29	1859	3.0			0.53	1.2		30.1	12.1	22.7
29	1859	4.0			0.54	1.2		30.1	12.2	22.7
29	1859	5.0			0.56	1.2		30.0	12.2	22.7
29	1859	6.0			0.58	1.2		30.0	12.3	22.6
29	1859	7.0			0.59	1.2		30.0	12.3	22.7
29	1859	8.0			0.60	1.2		30.0	12.3	22.7
29	1859	9.0			0.61	1.2		30.1	12.3	22.7
29	1859	10.0			0.61	1.2		30.1	12.3	22.7
29	1859	11.0			0.61	1.2		30.1	12.3	22.7
29	1859	12.0			0.61	1.2		30.1	12.3	22.7
29	1859	13.0			0.60	1.2		30.1	12.3	22.7
29	1859	14.0			0.60	1.2		30.1	12.3	22.7
					0.60	1.2		30.1	12.3	22.7
28	1827	1.0			0.50	1.1				
28	1827	2.0			0.50	1.1		30.4	12.5	22.9
28	1827	3.0			0.50	1.1		30.4	12.5	22.9
28	1827	4.0			0.50	1.1		30.4	12.5	22.9
28	1827	5.0			0.50	1.1		30.4	12.5	22.9
28	1827	6.0			0.51	1.1		30.4	12.6	22.9
28	1827	7.0			0.52	1.1		30.4	12.6	22.9
28	1827	8.0			0.52	1.2		30.4	12.6	22.9
28	1827	9.0			0.52	1.2		30.4	12.6	22.9
28	1827	10.0			0.52	1.2		30.4	12.6	22.9
28	1827	11.0			0.51	1.1		30.4	12.6	22.9
28	1827	12.0			0.51	1.1		30.4	12.6	22.9
28	1827	13.0			0.51	1.1		30.4	12.6	22.9
28	1827	14.0			0.51	1.1		30.4	12.6	22.9
					0.51	1.1		30.4	12.6	22.9
27	1808	1.0	1.1	0.18	0.54	1.2				
27	1808	2.0			0.54	1.2		30.5	12.7	22.9
27	1808	3.0			0.54	1.2		30.5	12.7	22.9
27	1808	4.0			0.53	1.2		30.5	12.7	23.0
27	1808	5.0			0.53	1.2		30.5	12.7	23.0
27	1808	6.0			0.53	1.2		30.5	12.7	23.0
27	1808	7.0			0.53	1.2		30.5	12.7	23.0
27	1808	8.0			0.53	1.2		30.5	12.7	23.0
27	1808	9.0			0.53	1.2		30.5	12.7	23.0
27	1808	10.0			0.53	1.2		30.5	12.7	23.0
27	1808	11.0	1.4	0.22	0.53	1.2		30.5	12.7	23.0
					0.52	1.2		30.5	12.7	23.0
26	1753	1.0			0.57	1.2				
26	1753	2.0			0.57	1.2		30.5	12.4	23.0
26	1753	3.0			0.57	1.2		30.5	12.4	23.0
26	1753	4.0			0.57	1.2		30.5	12.4	23.0
26	1753	5.0			0.57	1.2		30.5	12.4	23.0
26	1753	6.0			0.57	1.2		30.5	12.4	23.0
26	1753	7.0			0.57	1.2		30.5	12.4	23.0
26	1753	8.0			0.57	1.2		30.5	12.4	23.0
26	1753	9.0			0.58	1.2		30.5	12.4	23.0



LOCATION: South San Francisco Bay  
 DATE: December 13, 1989  
 JULIAN DAY: 89347

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
26	1753	10.0			0.59	1.2		30.5	12.4	23.0
25	1727	1.0			0.58	1.2		30.5	12.3	23.0
25	1727	2.0			0.58	1.2		30.5	12.3	23.0
25	1727	3.0			0.57	1.2		30.5	12.3	23.0
25	1727	4.0			0.58	1.2		30.5	12.3	23.0
25	1727	5.0			0.58	1.2		30.5	12.3	23.0
25	1727	6.0			0.58	1.2		30.5	12.3	23.0
25	1727	7.0			0.58	1.2		30.5	12.3	23.0
25	1727	8.0			0.59	1.2		30.5	12.3	23.0
24	1704	1.0	0.9	0.12	0.50	1.1		30.4	12.4	22.9
24	1704	2.0			0.50	1.1		30.4	12.4	22.9
24	1704	3.0			0.51	1.1		30.4	12.4	22.9
24	1704	4.0			0.51	1.1		30.4	12.4	22.9
24	1704	5.0			0.51	1.1		30.4	12.4	22.9
24	1704	6.0			0.52	1.1		30.4	12.4	22.9
24	1704	7.0			0.52	1.2		30.4	12.4	22.9
24	1704	8.0			0.52	1.2		30.4	12.4	22.9
24	1704	9.0			0.53	1.2		30.4	12.4	22.9
24	1704	10.0	1.1	0.15	0.54	1.2		30.4	12.4	22.9
23	1643	1.0			0.51	1.1	5.0	30.3	12.3	22.9
23	1643	2.0			0.51	1.1		30.3	12.3	22.9
23	1643	3.0			0.51	1.1		30.3	12.3	22.9
23	1643	4.0			0.51	1.1		30.3	12.3	22.9
23	1643	5.0			0.51	1.1		30.3	12.3	22.9
23	1643	6.0			0.52	1.1		30.3	12.3	22.9
23	1643	7.0			0.52	1.1		30.3	12.3	22.9
23	1643	8.0			0.52	1.2		30.3	12.3	22.9
23	1643	9.0			0.52	1.2		30.3	12.3	22.9
23	1643	10.0			0.52	1.2		30.3	12.3	22.9
23	1643	11.0			0.51	1.1		30.3	12.4	22.9
23	1643	12.0			0.51	1.1		30.3	12.4	22.9
23	1643	13.0			0.51	1.1		30.3	12.4	22.9
23	1643	14.0			0.51	1.1		30.3	12.4	22.9
23	1643	15.0			0.50	1.1		30.3	12.4	22.9
22	1614	1.0			0.42	1.1	4.6	30.1	12.2	22.8
22	1614	2.0			0.42	1.1		30.1	12.2	22.8
22	1614	3.0			0.42	1.1		30.1	12.2	22.8
22	1614	4.0			0.42	1.1		30.1	12.2	22.8
22	1614	5.0			0.42	1.1		30.1	12.2	22.8
22	1614	6.0			0.42	1.1		30.1	12.2	22.8
22	1614	7.0			0.43	1.1		30.1	12.2	22.8
22	1614	8.0			0.43	1.1		30.1	12.2	22.8
22	1614	9.0			0.43	1.1		30.1	12.2	22.8
22	1614	10.0			0.42	1.1		30.1	12.2	22.8
22	1614	11.0			0.42	1.1		30.1	12.2	22.8
22	1614	12.0			0.41	1.1		30.1	12.2	22.8
22	1614	13.0			0.41	1.1		30.2	12.2	22.8
22	1614	14.0			0.41	1.1		30.2	12.2	22.8
22	1614	15.0			0.41	1.1		30.2	12.2	22.8
22	1614	16.0			0.40	1.1		30.2	12.2	22.8
22	1614	17.0			0.40	1.1		30.2	12.2	22.8
21	1551	1.0	1.1	0.19	0.42	1.1	4.3	30.3	12.1	22.9
21	1551	2.0			0.42	1.1		30.3	12.1	22.9
21	1551	3.0			0.42	1.1		30.3	12.1	22.9
21	1551	4.0			0.42	1.1		30.3	12.1	22.9
21	1551	5.0			0.42	1.1		30.3	12.1	22.9
21	1551	6.0			0.42	1.1		30.3	12.1	22.9
21	1551	7.0			0.42	1.1		30.3	12.1	22.9
21	1551	8.0			0.42	1.1		30.3	12.1	22.9
21	1551	9.0			0.42	1.1		30.3	12.1	22.9

LOCATION: South San Francisco Bay  
 DATE: December 13, 1989  
 JULIAN DAY: 89347

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
21	1551	10.0			0.42	1.1		30.3	12.1	22.9
21	1551	11.0			0.42	1.1		30.3	12.1	22.9
21	1551	12.0			0.41	1.1		30.3	12.1	22.9
21	1551	13.0			0.41	1.1		30.3	12.1	22.9
21	1551	14.0			0.41	1.1		30.3	12.1	22.9
21	1551	15.0			0.41	1.1		30.3	12.1	22.9
21	1551	16.0			0.41	1.1		30.3	12.1	22.9
21	1551	17.0	1.1	0.17	0.40	1.1		30.3	12.1	22.9
								30.3	12.1	22.9

Fluorometer Calibration:      n      r<sup>2</sup>      A      B      Syx

                                 7      0.15      0.7      0.79      0.2