

PLANKTON STUDIES IN SAN FRANCISCO BAY, CALIFORNIA. XII.

CHLOROPHYLL DISTRIBUTIONS AND HYDROGRAPHIC PROPERTIES

OF SAN FRANCISCO BAY, 1990

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

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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)	454.55×10^3	microgram (mg)
quart (qt)	0.9464	liter (L)
degree Fahrenheit (°F)	$^{\circ}\text{C} = 5/9 \times (^{\circ}\text{F} - 32)$	degree Celsius (°C)

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ABSTRACT

Water samples were collected in the San Francisco Bay estuary during 14 cruises from January through December, 1990. 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 of the bay 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 during 1990. Samples were collected throughout San Francisco Bay in January, February, April through August, and December. During March, sampling was done only in South Bay. Sampling sites are shown in Figure 1 and their locations are identified in Table 1. A Seabird Electronics conductivity-temperature-depth system, Sea Tech in-situ fluorometer, and LiCor quantum sensor¹ were used to measure conductivity (salinity), temperature, chlorophyll fluorescence, and ambient light levels over the water depth at each station. Discrete chlorophyll a samples were collected at selected sites to calibrate the fluorometer on each sampling date.

¹The 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 with 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 about 50 data points collected over 1 meter intervals.

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 5×10^{-5} Siemens per meter. Temperature (TEMP) was measured with a Wien Bridge type resistance thermistor. This sensor is accurate to ± 0.006 °C per year and has a resolution of 0.0005 °C. The conductivity and temperature probes are recalibrated annually at the National Oceanic and Atmospheric Administration's Northwest Regional Calibration Center, 300 120 M Ave., N.E., Bellevue, WA 98005. 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 calculated from 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. Because the sampling rate of the fluorometer was about 1/6 that of the SeaBird underwater unit (5 times per second as compared with 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 ≥ 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 were read on a Varian 635-D spectrophotometer. The acetone extracts were acidified to measure phaeopigments (Riemann, 1978). 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.

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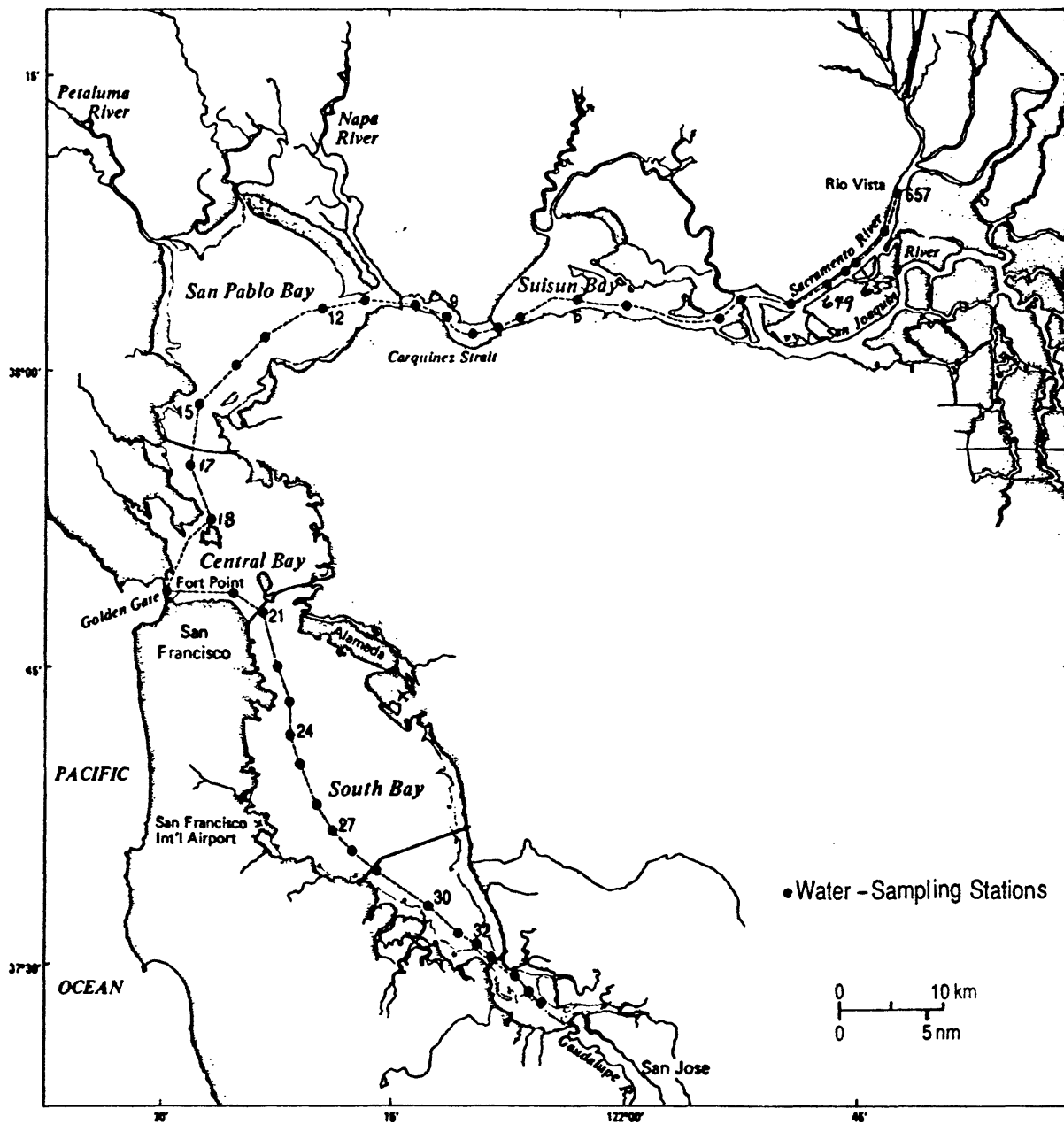


Figure 1. Map of San Francisco Bay estuary showing locations of water-sampling stations.

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	N. of Three Mile Slough	7.3'	42.1'
653	Mid-Decker Island	6.3'	43.2'
649	Sacramento River #10	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	Point San Pablo	37° 58.2'	26.2'
17	Central Bay Deep	50.8'	24.7'
18	Point Blunt	50.7'	25.1'
21	Bay Bridge	48.0'	22.2'
22	Potrero Point	45.7'	21.5'
23	Hunters Point	43.6'	20.2

TABLE 1. (continued) SAN FRANCISCO BAY STATIONS

<u>Station Number</u>	<u>Name</u>	<u>N. Latitude</u>	<u>W. Longitude</u>
24	Candlestick Point	37° 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. of San Mateo Bridge	36.0'	16.2'
29	S. of 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)	volts
calculated chlorophyll <u>a</u> (CALC CHL a)	$\mu\text{g/L}$
extinction coefficient (EXCOF)	per meter
salinity (SALIN)	salinity units practical salinity scale, 1978
temperature (TEMP)	degrees Celsius
sigma-theta (SIGMT)	kg per cubic meter

APPENDIX A: Data Summaries
(See Table 2 for explanation of abbreviations)

LOCATION: North San Francisco Bay
DATE: January 17, 1990
JULIAN DAY: 90017

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	1724	1.0	1.3	0.38	0.60	1.4		0.1	9.7	0.0
657	1724	2.0			0.60	1.4		0.1	9.7	0.0
657	1724	3.0			0.60	1.4		0.1	9.7	0.0
657	1724	4.0			0.60	1.4		0.1	9.7	0.0
657	1724	5.0			0.60	1.4		0.1	9.7	0.0
657	1724	6.0			0.60	1.4		0.1	9.7	0.0
657	1724	7.0			0.59	1.4		0.1	9.7	0.0
657	1724	8.0			0.59	1.4		0.1	9.7	0.0
657	1724	9.0	1.6	0.36	0.59	1.4		0.1	9.7	0.0
2	1603	1.0			0.49	1.1	5.0	0.3	9.9	0.0
2	1603	2.0			0.49	1.1		0.3	9.9	0.0
2	1603	3.0			0.49	1.1		0.4	9.9	0.0
2	1603	4.0			0.49	1.1		0.4	9.9	0.0
2	1603	5.0			0.49	1.1		0.4	9.8	0.0
2	1603	6.0			0.48	1.1		0.6	9.8	0.2
2	1603	7.0			0.47	1.1		0.8	9.8	0.3
2	1603	8.0			0.46	1.0		0.9	9.8	0.4
2	1603	9.0			0.45	1.0		1.0	9.8	0.5
2	1603	10.0			0.44	1.0		1.0	9.8	0.5
4	1502	1.0	0.9	0.38	0.39	0.9	4.0	1.8	9.7	1.2
4	1502	2.0			0.39	0.9		1.8	9.6	1.2
4	1502	3.0			0.39	0.9		1.8	9.6	1.2
4	1502	4.0			0.39	0.9		1.9	9.6	1.2
4	1502	5.0			0.39	0.9		1.9	9.6	1.2
4	1502	6.0			0.39	0.9		1.9	9.6	1.2
4	1502	7.0			0.39	0.9		2.0	9.6	1.3
4	1502	8.0			0.39	0.9		2.1	9.6	1.4
4	1502	9.0			0.39	0.9		2.2	9.6	1.4
4	1502	10.0	0.5	0.16	0.39	0.9		2.2	9.5	1.5
6	1429	1.0	0.3	0.16	0.34	0.7	3.3	4.3	9.5	3.1
6	1429	2.0			0.34	0.7		4.4	9.4	3.2
6	1429	3.0			0.34	0.7		4.6	9.4	3.3
6	1429	4.0			0.34	0.7		4.7	9.4	3.5
6	1429	5.0			0.34	0.7		4.9	9.4	3.6
6	1429	6.0			0.34	0.7		5.0	9.5	3.7
6	1429	7.0			0.34	0.7		5.1	9.5	3.7
6	1429	8.0			0.34	0.7		5.2	9.5	3.8
6	1429	9.0			0.34	0.7		5.2	9.5	3.8
6	1429	10.0			0.33	0.7		5.3	9.4	3.9
6	1429	11.0	0.3	0.15	0.32	0.7		5.4	9.4	4.0
8	1314	1.0	0.8	0.29	0.37	0.8	2.7	10.5	9.5	7.9
8	1314	2.0			0.37	0.8		10.5	9.5	8.0
8	1314	3.0			0.37	0.8		10.7	9.5	8.1
8	1314	4.0			0.37	0.8		11.1	9.5	8.4
8	1314	5.0			0.37	0.8		11.1	9.5	8.4
8	1314	6.0			0.38	0.8		11.4	9.5	8.6
8	1314	7.0			0.38	0.9		12.1	9.5	9.2
8	1314	8.0			0.39	0.9		12.6	9.6	9.6
8	1314	9.0			0.39	0.9		13.2	9.6	10.0
8	1314	10.0			0.39	0.9		13.6	9.6	10.4
8	1314	11.0			0.39	0.9		13.8	9.6	10.5
8	1314	12.0			0.40	0.9		13.9	9.6	10.6
8	1314	13.0			0.40	0.9		14.0	9.6	10.6
8	1314	14.0			0.40	0.9		14.0	9.6	10.7
8	1314	15.0			0.40	0.9		14.0	9.7	10.7
8	1314	16.0			0.40	0.9		14.1	9.7	10.7
8	1314	17.0			0.40	0.9		14.3	9.7	10.9
8	1314	18.0			0.40	0.9		14.6	9.7	11.1
8	1314	19.0	1.5	0.24	0.40	0.9		14.6	9.7	11.1
11	1232	1.0	0.6	0.21	0.38	0.8	4.0	15.6	9.8	11.9

LOCATION: North San Francisco Bay
 DATE: January 17, 1990
 JULIAN DAY: 90017

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
11	1232	2.0								
11	1232	3.0			0.38	0.8		15.7	9.8	12.0
11	1232	4.0			0.38	0.8		16.0	9.8	12.2
11	1232	5.0			0.38	0.8		16.1	9.8	12.2
11	1232	6.0			0.39	0.9		16.2	9.8	12.3
11	1232	7.0			0.40	0.9		16.9	9.9	12.9
11	1232	8.0			0.41	0.9		17.6	9.9	13.4
11	1232	9.0			0.42	0.9		18.0	9.9	13.8
11	1232	10.0			0.43	1.0		18.3	9.9	14.0
11	1232	11.0	0.8	0.14	0.43	1.0		18.5	9.9	14.1
					0.42	0.9		18.7	10.0	14.3
13	1122	1.0	0.4	0.35	0.36	0.8	3.4	20.1	10.1	15.3
13	1122	2.0			0.36	0.8		20.9	10.1	16.0
13	1122	3.0			0.36	0.8		23.5	10.4	17.9
13	1122	4.0			0.35	0.8		24.2	10.6	18.4
13	1122	5.0			0.35	0.8		25.2	10.7	19.2
13	1122	6.0			0.36	0.8		25.6	10.7	19.6
13	1122	7.0			0.36	0.8		25.8	10.7	19.7
13	1122	8.0			0.37	0.8		26.0	10.7	19.8
13	1122	9.0			0.37	0.8		26.0	10.7	19.8
13	1122	10.0			0.36	0.8		26.1	10.7	19.9
13	1122	11.0	0.9	0.25	0.35	0.8		26.1	10.7	19.9
15	1035	1.0	0.7	0.58	0.37	0.8	1.9	21.0	9.8	16.0
15	1035	2.0			0.37	0.8		22.0	9.8	16.8
15	1035	3.0			0.36	0.8		23.2	10.2	17.7
15	1035	4.0			0.36	0.8		23.5	10.3	17.9
15	1035	5.0			0.35	0.8		24.3	10.4	18.6
15	1035	6.0			0.35	0.8		24.7	10.3	18.9
15	1035	7.0			0.34	0.7		25.1	10.4	19.2
15	1035	8.0			0.34	0.7		25.3	10.4	19.4
15	1035	9.0			0.34	0.7		25.5	10.4	19.5
15	1035	10.0			0.33	0.7		25.5	10.4	19.5
15	1035	11.0			0.32	0.7		25.5	10.4	19.5
15	1035	12.0			0.32	0.7		25.5	10.4	19.5
15	1035	13.0			0.31	0.7		25.6	10.5	19.6
15	1035	14.0			0.31	0.7		25.8	10.5	19.7
15	1035	15.0			0.31	0.7		25.8	10.5	19.7
15	1035	16.0			0.31	0.7		26.0	10.6	19.8
15	1035	17.0			0.30	0.6		26.4	10.7	20.1
15	1035	18.0			0.30	0.6		26.6	10.7	20.3
15	1035	19.0			0.30	0.6		26.7	10.8	20.4
15	1035	20.0			0.30	0.6		26.9	10.8	20.5
15	1035	21.0			0.30	0.6		27.0	10.8	20.6
15	1035	22.0			0.30	0.6		27.1	10.8	20.6
15	1035	23.0	0.8	0.42	0.30	0.6		27.2	10.9	20.7
16	959	1.0	0.9	0.48	0.33	0.7	2.1	25.8	10.4	19.7
16	959	2.0			0.33	0.7		26.3	10.5	20.1
16	959	3.0			0.33	0.7		26.7	10.7	20.4
16	959	4.0			0.33	0.7		27.1	10.8	20.7
16	959	5.0			0.33	0.7		27.5	10.8	21.0
16	959	6.0			0.34	0.7		27.8	10.9	21.2
16	959	7.0			0.34	0.7		27.9	10.9	21.3
16	959	8.0			0.34	0.8		28.1	10.9	21.4
16	959	9.0			0.35	0.8		28.2	10.9	21.5
16	959	10.0			0.34	0.7		28.3	11.0	21.5
16	959	11.0			0.33	0.7		28.3	11.0	21.6
16	959	12.0	0.9	0.38	0.32	0.7		28.4	11.0	21.6
17	905	1.0	1.0	0.60	0.34	0.7	1.2	20.0	10.8	22.2
17	905	2.0			0.34	0.7		29.2	10.8	22.3
17	905	3.0			0.34	0.7		29.4	10.9	22.5
17	905	4.0			0.34	0.7		29.5	10.9	22.5
17	905	5.0			0.35	0.8		29.4	10.9	22.5

LOCATION: North San Francisco Bay
 DATE: January 17, 1990
 JULIAN DAY: 90017

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
17	905	6.0								
17	905	7.0			0.34	0.7		29.4	10.9	22.5
17	905	8.0			0.34	0.8		29.6	11.0	22.6
17	905	9.0			0.35	0.8		29.9	11.1	22.8
17	905	10.0			0.35	0.8		30.0	11.2	22.9
17	905	11.0			0.34	0.8		30.1	11.2	22.9
17	905	12.0			0.33	0.7		30.1	11.2	22.9
17	905	13.0			0.33	0.7		30.1	11.2	22.9
17	905	14.0			0.32	0.7		30.1	11.2	22.9
17	905	15.0			0.31	0.7		30.1	11.2	22.9
17	905	16.0			0.31	0.7		30.1	11.2	22.9
17	905	17.0			0.31	0.7		30.1	11.2	22.9
17	905	18.0			0.31	0.7		30.1	11.2	22.9
17	905	19.0			0.31	0.6		30.1	11.2	22.9
17	905	20.0			0.30	0.6		30.1	11.2	22.9
17	905	21.0			0.30	0.6		30.1	11.2	22.9
17	905	22.0			0.30	0.6		30.1	11.2	22.9
17	905	23.0			0.30	0.6		30.1	11.2	22.9
17	905	24.0			0.30	0.6		30.1	11.2	22.9
17	905	25.0			0.30	0.6		30.1	11.2	22.9
17	905	26.0			0.30	0.6		30.1	11.2	22.9
17	905	27.0			0.30	0.6		30.1	11.2	22.9
17	905	28.0			0.30	0.6		30.1	11.2	22.9
17	905	29.0			0.30	0.6		30.1	11.2	22.9
17	905	30.0			0.30	0.6		30.1	11.2	22.9
17	905	31.0			0.30	0.6		30.1	11.2	22.9
17	905	32.0			0.30	0.6		30.1	11.2	22.9
17	905	33.0			0.30	0.6		30.1	11.2	22.9
17	905	34.0			0.30	0.6		30.1	11.2	22.9
17	905	35.0			0.30	0.6		30.1	11.2	22.9
17	905	36.0			0.30	0.6		30.1	11.2	22.9
17	905	37.0			0.30	0.6		30.1	11.2	22.9
17	905	38.0			0.30	0.6		30.1	11.2	22.9
17	905	39.0			0.30	0.6		30.5	11.3	23.2
17	905	40.0	1.0	0.52	0.30	0.6		30.8	11.4	23.5
								30.9	11.5	23.5

Fluorometer Calibration: n r² A B Syx
 18 0.37 -0.1 2.59 0.3

LOCATION: South San Francisco Bay
 DATE: January 18, 1990
 JULIAN DAY: 90018

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32	1719	1.0	2.1	0.70						
32	1719	2.0			0.50	2.2	1.0	28.5	10.7	21.8
32	1719	3.0			0.50	2.2		28.5	10.7	21.8
32	1719	4.0			0.49	2.1		28.5	10.7	21.8
32	1719	5.0			0.50	2.2		28.6	10.7	21.8
32	1719	6.0			0.50	2.2		28.7	10.8	21.9
32	1719	7.0			0.50	2.2		28.9	10.7	22.0
32	1719	8.0			0.51	2.2		28.9	10.7	22.1
32	1719	9.0			0.51	2.2		29.0	10.7	22.2
32	1719	10.0			0.52	2.3		29.1	10.7	22.2
32	1719	11.0	2.0	0.47	0.51	2.2		29.1	10.7	22.2
32	1719	11.0			0.51	2.2		29.1	10.7	22.2
31	1707	1.0								
31	1707	2.0			0.50	2.2	1.6	28.8	10.8	22.0
31	1707	3.0			0.50	2.2		28.8	10.8	22.0
31	1707	4.0			0.50	2.2		28.9	10.8	22.1
31	1707	5.0			0.50	2.2		29.1	10.8	22.2
31	1707	6.0			0.50	2.2		29.2	10.8	22.3
31	1707	7.0			0.51	2.2		29.3	10.8	22.3
31	1707	8.0			0.51	2.2		29.3	10.8	22.4
31	1707	9.0			0.52	2.3		29.3	10.8	22.4
31	1707	10.0			0.52	2.3		29.3	10.7	22.4
31	1707	11.0			0.52	2.3		29.3	10.7	22.4
31	1707	12.0			0.51	2.2		29.3	10.7	22.4
31	1707	13.0			0.51	2.2		29.3	10.7	22.4
31	1707	14.0			0.51	2.2		29.3	10.7	22.4
30	1647	1.0	2.8	0.78						
30	1647	2.0			0.50	2.2	1.5	29.1	11.0	22.2
30	1647	3.0			0.50	2.2		29.2	11.0	22.3
30	1647	4.0			0.48	2.1		29.3	10.8	22.4
30	1647	5.0			0.48	2.1		29.3	10.7	22.4
30	1647	6.0			0.47	2.0		29.4	10.7	22.5
30	1647	7.0			0.46	2.0		29.4	10.7	22.5
30	1647	8.0			0.45	2.0		29.4	10.7	22.5
30	1647	9.0			0.46	2.0		29.5	10.7	22.5
30	1647	10.0			0.46	2.0		29.5	10.7	22.6
30	1647	11.0			0.46	2.0		29.5	10.7	22.6
30	1647	12.0			0.44	1.9		29.5	10.7	22.6
30	1647	13.0			0.44	1.9		29.5	10.7	22.6
30	1647	14.0	2.1	0.45	0.46	2.0		29.5	10.7	22.6
30	1647	14.0			0.47	2.0		29.5	10.7	22.6
29	1624	1.0								
29	1624	2.0			0.51	2.2	1.5	29.5	11.5	22.4
29	1624	3.0			0.51	2.2		29.6	11.1	22.5
29	1624	4.0			0.50	2.2		29.6	11.0	22.6
29	1624	5.0			0.49	2.2		29.6	10.9	22.6
29	1624	6.0			0.49	2.1		29.7	10.8	22.7
29	1624	7.0			0.49	2.1		29.7	10.7	22.7
29	1624	8.0			0.49	2.1		29.6	10.7	22.6
29	1624	9.0			0.49	2.2		29.6	10.7	22.6
29	1624	10.0			0.49	2.1		29.6	10.7	22.6
29	1624	11.0			0.49	2.1		29.6	10.7	22.6
29	1624	12.0			0.49	2.1		29.6	10.7	22.6
29	1624	13.0			0.49	2.2		29.6	10.7	22.6
29	1624	14.0			0.50	2.2		29.6	10.7	22.6
28	1551	1.0			0.49	2.1		29.6	10.7	22.6
28	1551	2.0								
28	1551	3.0			0.47	2.0	1.6	29.6	11.2	22.5
28	1551	4.0			0.47	2.0		29.6	11.1	22.6
28	1551	5.0			0.47	2.0		29.6	10.8	22.6
28	1551	6.0			0.47	2.0		29.7	10.7	22.7
28	1551	7.0			0.47	2.1		29.7	10.7	22.7
28	1551	8.0			0.48	2.1		29.7	10.7	22.7
28	1551	8.0			0.48	2.1		29.7	10.7	22.7

LOCATION: South San Francisco Bay
 DATE: January 18, 1990
 JULIAN DAY: 90018

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
28	1551	9.0								
28	1551	10.0			0.48	2.1		29.7	10.7	22.7
28	1551	11.0			0.47	2.1		29.7	10.7	22.7
28	1551	12.0			0.47	2.0		29.7	10.7	22.7
28	1551	13.0			0.45	2.0		29.7	10.7	22.7
28	1551	14.0			0.46	2.0		29.7	10.6	22.7
28	1551	15.0			0.46	2.0		29.7	10.6	22.7
					0.47	2.0		29.7	10.6	22.7
27	1535	1.0	1.7	0.50						
27	1535	2.0			0.49	2.2	1.5	29.7	11.3	22.6
27	1535	3.0			0.49	2.2		29.7	10.9	22.7
27	1535	4.0			0.49	2.1		29.7	10.8	22.7
27	1535	5.0			0.49	2.1		29.7	10.8	22.7
27	1535	6.0			0.48	2.1		29.7	10.8	22.7
27	1535	7.0			0.47	2.1		29.7	10.7	22.7
27	1535	8.0			0.47	2.1		29.7	10.7	22.7
27	1535	9.0			0.47	2.1		29.7	10.7	22.7
27	1535	10.0			0.48	2.1		29.7	10.7	22.7
27	1535	11.0			0.48	2.1		29.7	10.7	22.7
27	1535	12.0	1.9	0.49	0.47	2.0		29.7	10.7	22.7
					0.47	2.0		29.7	10.7	22.7
26	1521	1.0								
26	1521	2.0			0.47	2.0	1.6	29.7	10.9	22.7
26	1521	3.0			0.47	2.0		29.7	10.8	22.7
26	1521	4.0			0.47	2.0		29.7	10.8	22.7
26	1521	5.0			0.46	2.0		29.8	10.7	22.7
26	1521	6.0			0.45	2.0		29.8	10.7	22.7
26	1521	7.0			0.46	2.0		29.7	10.7	22.7
26	1521	8.0			0.46	2.0		29.7	10.7	22.7
26	1521	9.0			0.47	2.0		29.7	10.7	22.7
26	1521	10.0			0.47	2.1		29.7	10.7	22.7
					0.48	2.1		29.7	10.7	22.7
25	1503	1.0								
25	1503	2.0			0.42	1.8	1.3	29.8	11.4	22.6
25	1503	3.0			0.42	1.8		29.8	11.0	22.7
25	1503	4.0			0.43	1.8		29.8	10.8	22.8
25	1503	5.0			0.43	1.8		29.9	10.8	22.8
25	1503	6.0			0.43	1.9		29.8	10.7	22.8
25	1503	7.0			0.43	1.9		29.8	10.7	22.8
25	1503	8.0			0.43	1.9		29.8	10.7	22.8
					0.43	1.9		29.8	10.7	22.8
24	1446	1.0	1.8	0.78						
24	1446	2.0			0.43	1.9	1.3	29.9	11.2	22.7
24	1446	3.0			0.43	1.9		29.8	11.0	22.8
24	1446	4.0			0.43	1.9		29.8	11.0	22.8
24	1446	5.0			0.43	1.8		29.9	11.0	22.8
24	1446	6.0			0.43	1.8		29.8	10.9	22.8
24	1446	7.0			0.41	1.8		29.8	10.9	22.8
24	1446	8.0			0.42	1.8		29.8	10.9	22.8
24	1446	9.0	1.8	0.58	0.41	1.8		29.8	10.9	22.7
					0.42	1.8		29.8	10.9	22.7
23	1431	1.0								
23	1431	2.0			0.43	1.9	1.2	29.8	11.6	22.6
23	1431	3.0			0.43	1.9		29.8	11.2	22.7
23	1431	4.0			0.44	1.9		29.8	11.0	22.7
23	1431	5.0			0.43	1.9		29.8	11.0	22.7
23	1431	6.0			0.43	1.9		29.8	10.9	22.8
23	1431	7.0			0.42	1.8		29.8	10.8	22.7
23	1431	8.0			0.42	1.8		29.8	10.8	22.7
23	1431	9.0			0.41	1.8		29.7	10.8	22.7
23	1431	10.0			0.41	1.8		29.7	10.8	22.7
23	1431	11.0			0.40	1.8		29.7	10.8	22.7
23	1431	12.0			0.40	1.7		29.7	10.8	22.7
23	1431	13.0			0.40	1.7		29.7	10.8	22.7
23	1431	14.0			0.40	1.7		29.7	10.8	22.7
					0.40	1.7		29.7	10.8	22.7

LOCATION: South San Francisco Bay
 DATE: January 18, 1990
 JULIAN DAY: 90018

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22	1411	1.0			0.36	1.6	0.8	29.7	11.8	22.5
22	1411	2.0			0.36	1.6		29.8	11.3	22.7
22	1411	3.0			0.37	1.6		29.8	11.1	22.7
22	1411	4.0			0.37	1.6		29.8	11.1	22.7
22	1411	5.0			0.37	1.6		29.8	11.1	22.7
22	1411	6.0			0.37	1.6		29.8	11.1	22.7
22	1411	7.0			0.37	1.6		29.8	11.0	22.7
22	1411	8.0			0.37	1.6		29.8	11.0	22.7
22	1411	9.0			0.37	1.6		29.8	11.0	22.7
22	1411	10.0			0.36	1.5		29.8	11.0	22.7
22	1411	11.0			0.35	1.5		29.8	11.0	22.7
22	1411	12.0			0.34	1.5		29.8	11.0	22.7
22	1411	13.0			0.34	1.5		29.8	11.0	22.7
22	1411	14.0			0.34	1.5		29.8	11.0	22.7
22	1411	15.0			0.33	1.4		29.8	11.0	22.7
22	1411	16.0			0.35	1.5		29.8	11.0	22.7
22	1411	17.0			0.36	1.5		29.8	11.0	22.7
21	1356	1.0	2.3	0.76	0.46	2.0	1.1	29.5	11.2	22.4
21	1356	2.0			0.46	2.0		29.6	11.5	22.5
21	1356	3.0			0.44	1.9		29.7	11.5	22.5
21	1356	4.0			0.43	1.8		29.7	11.5	22.6
21	1356	5.0			0.42	1.8		29.7	11.5	22.6
21	1356	6.0			0.41	1.8		29.7	11.5	22.6
21	1356	7.0			0.40	1.7		29.7	11.3	22.6
21	1356	8.0			0.40	1.7		29.7	11.2	22.6
21	1356	9.0			0.39	1.7		29.7	11.2	22.7
21	1356	10.0			0.37	1.6		29.7	11.1	22.7
21	1356	11.0			0.35	1.5		29.7	11.1	22.7
21	1356	12.0			0.35	1.5		29.7	11.1	22.7
21	1356	13.0			0.35	1.5		29.7	11.1	22.7
21	1356	14.0			0.36	1.6		29.7	11.1	22.7
21	1356	15.0			0.37	1.6		29.7	11.1	22.7
21	1356	16.0	1.6	0.41	0.38	1.6		29.7	11.1	22.7
21	1356	17.0						29.8	11.1	22.7

Fluorometer Calibration: n r² A B Syx
 10 0.29 -0.1 4.50 0.3

LOCATION: North San Francisco Bay
 DATE: February 27, 1990
 JULIAN DAY: 90058

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657	1630	1.0	1.7	0.57	0.46	1.0	2.8	0.1	9.6	0.0
657	1630	2.0			0.46	1.0		0.1	9.6	0.0
657	1630	3.0			0.46	1.0		0.1	9.6	0.0
657	1630	4.0			0.47	1.0		0.2	9.6	0.0
657	1630	5.0			0.47	1.0		0.2	9.6	0.0
657	1630	6.0			0.47	1.0		0.2	9.6	0.0
657	1630	7.0			0.47	1.0		0.2	9.6	0.0
657	1630	8.0			0.47	1.0		0.2	9.6	0.0
657	1630	9.0			0.47	1.0		0.2	9.6	0.0
657	1630	10.0			0.46	1.0		0.2	9.6	0.0
657	1630	11.0			0.46	1.0		0.2	9.6	0.0
653	1600	1.0			0.49	1.1	4.6	0.3	9.1	0.0
653	1600	2.0			0.49	1.1		0.3	9.1	0.0
653	1600	3.0			0.50	1.1		0.3	9.1	0.0
653	1600	4.0			0.50	1.1		0.3	9.1	0.0
653	1600	5.0			0.50	1.1		0.3	9.1	0.0
653	1600	6.0			0.50	1.1		0.3	9.1	0.0
653	1600	7.0			0.51	1.1		0.3	9.1	0.0
653	1600	8.0			0.51	1.1		0.3	9.1	0.0
653	1600	9.0			0.51	1.1		0.3	9.0	0.1
653	1600	10.0			0.51	1.1		0.3	9.0	0.1
653	1600	11.0			0.51	1.1		0.3	9.0	0.1
649	1532	1.0	1.0	0.29	0.44	1.0	4.3	2.0	10.3	1.2
649	1532	2.0			0.44	1.0		2.0	10.3	1.2
649	1532	3.0			0.44	1.0		2.0	10.3	1.2
649	1532	4.0			0.44	1.0		2.0	10.3	1.2
649	1532	5.0			0.44	1.0		2.0	10.3	1.2
649	1532	6.0			0.44	1.0		2.0	10.3	1.2
649	1532	7.0			0.44	1.0		2.0	10.3	1.2
649	1532	8.0			0.44	1.0		2.0	10.3	1.2
649	1532	9.0			0.45	1.0		2.0	10.3	1.2
649	1532	10.0			0.45	1.0		2.0	10.3	1.2
649	1532	11.0			0.44	1.0		2.0	10.3	1.2
2	1513	1.0	0.9	0.25	0.44	1.0	4.3	3.1	10.4	2.1
2	1513	2.0			0.44	1.0		3.1	10.4	2.1
2	1513	3.0			0.44	1.0		3.1	10.4	2.1
2	1513	4.0			0.44	1.0		3.1	10.4	2.1
2	1513	5.0			0.44	1.0		3.1	10.3	2.1
2	1513	6.0			0.45	1.0		3.1	10.3	2.1
2	1513	7.0			0.45	1.0		3.1	10.3	2.1
2	1513	8.0			0.45	1.0		3.1	10.3	2.1
2	1513	9.0			0.45	1.0		3.1	10.3	2.1
2	1513	10.0			0.45	1.0		3.1	10.3	2.1
2	1513	11.0			0.44	1.0		3.1	10.3	2.1
3	1454	1.0	0.9	0.28	0.43	1.0	5.3	3.8	10.5	2.7
3	1454	2.0			0.43	1.0		3.9	10.5	2.7
3	1454	3.0			0.43	1.0		3.9	10.5	2.7
3	1454	4.0			0.43	1.0		3.9	10.5	2.7
3	1454	5.0			0.44	1.0		3.9	10.4	2.7
3	1454	6.0			0.44	1.0		3.9	10.4	2.7
3	1454	7.0			0.44	1.0		3.9	10.4	2.7
3	1454	8.0			0.44	1.0		3.9	10.5	2.7
3	1454	9.0			0.44	1.0		3.9	10.5	2.7
3	1454	10.0			0.44	1.0		3.9	10.4	2.7
3	1454	11.0			0.44	1.0		3.9	10.4	2.7
4	1433	1.0	0.9	0.23	0.44	1.0	6.2	4.8	10.5	3.4
4	1433	2.0			0.44	1.0		4.8	10.5	3.4
4	1433	3.0			0.44	1.0		4.8	10.5	3.4
4	1433	4.0			0.44	1.0		4.8	10.5	3.4
4	1433	5.0			0.44	1.0		4.8	10.5	3.4
4	1433	6.0			0.44	1.0		4.8	10.5	3.4

LOCATION: North San Francisco Bay
 DATE: February 27, 1990
 JULIAN DAY: 90058

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
4	1433	7.0			0.44	1.0				
4	1433	8.0			0.44	1.0		4.8	10.5	3.4
4	1433	9.0			0.44	1.0		4.8	10.5	3.4
4	1433	10.0			0.43	1.0		4.8	10.5	3.4
4	1433	11.0			0.42	1.0		4.8	10.5	3.4
4	1433	12.0			0.42	1.0		4.8	10.5	3.4
5	1339	1.0	0.9	0.36	0.42	1.0	4.2			
5	1339	2.0			0.42	1.0		5.4	10.7	3.9
5	1339	3.0			0.42	1.0		5.5	10.6	4.0
5	1339	4.0			0.42	1.0		5.8	10.5	4.2
5	1339	5.0			0.43	1.0		6.1	10.5	4.4
5	1339	6.0			0.44	1.0		6.3	10.5	4.5
5	1339	7.0			0.44	1.0		6.4	10.5	4.6
5	1339	8.0			0.45	1.0		6.4	10.5	4.7
5	1339	9.0			0.45	1.0		6.5	10.5	4.7
5	1339	10.0			0.45	1.0		6.5	10.5	4.7
5	1339	11.0			0.44	1.0		6.5	10.5	4.7
6	1307	1.0			0.45	1.0				
6	1307	2.0			0.45	1.0	4.3	8.5	10.8	6.3
6	1307	3.0			0.45	1.0		8.5	10.8	6.3
6	1307	4.0			0.46	1.0		8.5	10.8	6.3
6	1307	5.0			0.46	1.0		8.5	10.7	6.3
6	1307	6.0			0.46	1.0		8.6	10.7	6.3
6	1307	7.0			0.47	1.0		8.6	10.7	6.3
6	1307	8.0			0.47	1.0		8.6	10.7	6.3
6	1307	9.0			0.48	1.0		8.6	10.7	6.3
6	1307	10.0			0.48	1.0		8.6	10.7	6.3
6	1307	11.0			0.48	1.0		8.6	10.7	6.3
6	1307	12.0			0.47	1.0		8.6	10.7	6.4
7	1233	1.0	0.9	0.20	0.53	1.1	4.6			
7	1233	2.0			0.53	1.1		9.9	10.9	7.3
7	1233	3.0			0.53	1.1		9.9	10.9	7.3
7	1233	4.0			0.53	1.1		9.9	10.9	7.3
7	1233	5.0			0.53	1.1		9.9	10.9	7.3
7	1233	6.0			0.52	1.1		10.1	10.9	7.4
7	1233	7.0			0.52	1.1		10.3	10.9	7.6
7	1233	8.0			0.52	1.1		10.6	10.9	7.9
7	1233	9.0			0.51	1.1		10.8	10.9	8.0
7	1233	10.0			0.51	1.1		10.9	10.9	8.1
7	1233	11.0			0.51	1.1		11.1	10.9	8.3
7	1233	12.0			0.50	1.1		11.2	10.8	8.3
7	1233	13.0			0.50	1.1		11.2	10.8	8.3
7	1233	14.0			0.50	1.1		11.3	10.8	8.4
7	1233	15.0			0.50	1.1		11.3	10.8	8.4
8	1209	1.0			0.48	1.0				
8	1209	2.0			0.48	1.0	5.6	11.7	10.8	8.7
8	1209	3.0			0.49	1.0		11.9	10.7	8.9
8	1209	4.0			0.49	1.0		12.5	10.7	9.4
8	1209	5.0			0.49	1.0		12.6	10.7	9.4
8	1209	6.0			0.48	1.0		12.9	10.7	9.7
8	1209	7.0			0.49	1.0		13.3	10.7	9.9
8	1209	8.0			0.49	1.1		13.6	10.7	10.2
8	1209	9.0			0.50	1.1		13.7	10.7	10.3
8	1209	10.0			0.51	1.1		13.8	10.7	10.4
8	1209	11.0			0.50	1.1		13.8	10.7	10.4
8	1209	12.0			0.50	1.1		13.8	10.7	10.4
8	1209	13.0			0.50	1.1		13.9	10.7	10.5
8	1209	14.0			0.50	1.1		14.4	10.7	10.9
9	1152	1.0	1.1	0.32	0.46	1.0	3.2	12.9	11.0	9.6
9	1152	2.0			0.46	1.0		12.9	10.9	9.6

LOCATION: North San Francisco Bay
 DATE: February 27, 1990
 JULIAN DAY: 90058

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
9	1152	3.0			0.46	1.0		13.0	10.8	9.7
9	1152	4.0			0.46	1.0		13.0	10.8	9.7
9	1152	5.0			0.47	1.0		13.1	10.7	9.8
9	1152	6.0			0.47	1.0		13.3	10.7	10.0
9	1152	7.0			0.47	1.0		13.5	10.7	10.2
9	1152	8.0			0.48	1.0		14.0	10.7	10.5
9	1152	9.0			0.48	1.0		14.4	10.7	10.8
9	1152	10.0			0.46	1.0		14.7	10.6	11.1
9	1152	11.0			0.45	1.0		15.1	10.6	11.4
9	1152	12.0			0.44	1.0		15.1	10.6	11.4
9	1152	13.0			0.44	1.0		15.4	10.6	11.6
9	1152	14.0			0.45	1.0		15.8	10.6	11.9
9	1152	15.0			0.44	1.0		16.0	10.6	12.1
9	1152	16.0			0.43	1.0		16.0	10.6	12.1
9	1152	17.0			0.44	1.0		16.2	10.6	12.2
9	1152	18.0			0.43	1.0		16.3	10.6	12.3
9	1152	19.0			0.43	1.0		16.3	10.6	12.3
9	1152	20.0			0.43	1.0		16.4	10.6	12.4
9	1152	21.0			0.42	1.0		16.4	10.6	12.4
9	1152	22.0			0.43	1.0		16.7	10.6	12.6
9	1152	23.0			0.45	1.0		16.8	10.6	12.7
9	1152	24.0			0.46	1.0		16.9	10.6	12.8
9	1152	25.0			0.47	1.0		16.9	10.6	12.8
9	1152	26.0			0.48	1.0		16.9	10.6	12.8
9	1152	27.0			0.48	1.0		17.0	10.6	12.8
9	1152	28.0			0.49	1.0		17.0	10.6	12.9
9	1152	29.0			0.49	1.0		17.0	10.6	12.9
9	1152	30.0			0.49	1.1		17.0	10.6	12.9
9	1152	31.0			0.49	1.1		17.0	10.6	12.9
9	1152	32.0			0.49	1.1		17.0	10.6	12.9
9	1152	33.0			0.50	1.1		17.0	10.6	12.9
10	1137	1.0			0.45	1.0	5.1	14.4	10.8	10.8
10	1137	2.0			0.45	1.0		14.4	10.8	10.8
10	1137	3.0			0.45	1.0		14.4	10.8	10.8
10	1137	4.0			0.46	1.0		14.6	10.7	11.0
10	1137	5.0			0.46	1.0		15.3	10.6	11.5
10	1137	6.0			0.46	1.0		15.5	10.6	11.7
10	1137	7.0			0.46	1.0		15.6	10.6	11.8
10	1137	8.0			0.46	1.0		15.7	10.6	11.9
10	1137	9.0			0.47	1.0		15.8	10.6	11.9
10	1137	10.0			0.45	1.0		15.9	10.6	12.0
10	1137	11.0			0.44	1.0		16.0	10.6	12.1
10	1137	12.0			0.43	1.0		16.5	10.6	12.4
10	1137	13.0			0.42	1.0		17.1	10.6	12.9
10	1137	14.0			0.42	1.0		17.4	10.6	13.2
10	1137	15.0			0.44	1.0		17.9	10.6	13.6
10	1137	16.0			0.45	1.0		18.1	10.6	13.7
10	1137	17.0			0.43	1.0		18.1	10.6	13.7
11	1117	1.0	1.2	0.38	0.44	1.0	4.6	18.2	10.8	13.8
11	1117	2.0			0.44	1.0		18.2	10.8	13.7
11	1117	3.0			0.45	1.0		18.4	10.6	13.9
11	1117	4.0			0.45	1.0		18.5	10.6	14.0
11	1117	5.0			0.46	1.0		18.7	10.6	14.2
11	1117	6.0			0.47	1.0		19.1	10.6	14.5
11	1117	7.0			0.47	1.0		19.4	10.6	14.7
11	1117	8.0			0.48	1.0		19.5	10.6	14.8
11	1117	9.0			0.49	1.0		19.5	10.6	14.8
11	1117	10.0			0.49	1.0		19.7	10.6	15.0
11	1117	11.0			0.49	1.1		20.1	10.7	15.2
11	1117	12.0			0.49	1.1		20.3	10.7	15.4
13	1035	1.0	0.6	0.17	0.47	1.0	3.4	23.5	10.9	17.9
13	1035	2.0			0.47	1.0		23.8	10.9	18.0

LOCATION: North San Francisco Bay
 DATE: February 27, 1990
 JULIAN DAY: 90058

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
13	1035	3.0			0.47	1.0		23.9	10.9	18.2
13	1035	4.0			0.48	1.0		24.1	10.9	18.3
13	1035	5.0			0.50	1.1		24.3	10.9	18.5
13	1035	6.0			0.51	1.1		24.6	11.0	18.7
13	1035	7.0			0.54	1.1		24.7	11.0	18.8
13	1035	8.0			0.55	1.1		24.7	11.0	18.8
13	1035	9.0			0.56	1.1		24.8	11.0	18.8
13	1035	10.0			0.57	1.1		24.8	11.0	18.9
15	1003	1.0	1.3	0.38	0.47	1.0	2.9	24.5	11.0	18.6
15	1003	2.0			0.47	1.0		24.6	10.9	18.7
15	1003	3.0			0.47	1.0		24.5	10.9	18.7
15	1003	4.0			0.48	1.0		24.5	10.9	18.7
15	1003	5.0			0.48	1.0		24.5	10.9	18.7
15	1003	6.0			0.48	1.0		24.8	10.9	18.9
15	1003	7.0			0.48	1.0		24.9	10.9	19.0
15	1003	8.0			0.49	1.0		25.0	10.9	19.0
15	1003	9.0			0.49	1.1		25.2	10.9	19.2
15	1003	10.0			0.49	1.1		25.6	10.9	19.5
15	1003	11.0			0.50	1.1		25.9	10.9	19.7
15	1003	12.0			0.50	1.1		26.2	10.9	19.9
15	1003	13.0			0.48	1.0		26.4	11.0	20.1
15	1003	14.0			0.48	1.0		26.7	11.0	20.3
15	1003	15.0			0.48	1.0		26.9	11.0	20.5
15	1003	16.0			0.49	1.0		27.1	11.0	20.6
15	1003	17.0			0.49	1.1		27.2	11.0	20.7
175	901	1.0	1.1	0.29	0.47	1.0	2.1	28.7	10.8	21.9
175	901	2.0			0.47	1.0		28.8	10.8	22.0
175	901	3.0			0.47	1.0		29.0	10.8	22.1
175	901	4.0			0.47	1.0		29.3	10.7	22.4
175	901	5.0			0.47	1.0		29.8	10.7	22.8
175	901	6.0			0.49	1.0		30.0	10.6	22.9
175	901	7.0			0.50	1.1		30.0	10.6	23.0
175	901	8.0			0.50	1.1		30.1	10.6	23.0
175	901	9.0			0.51	1.1		30.1	10.6	23.0
175	901	10.0			0.51	1.1		30.1	10.6	23.0
175	901	11.0			0.50	1.1		30.1	10.6	23.0
175	901	12.0			0.49	1.0		30.1	10.6	23.0
175	901	13.0			0.49	1.1		30.1	10.6	23.0
175	901	14.0			0.48	1.0		30.1	10.6	23.0
175	901	15.0			0.49	1.0		30.1	10.6	23.0
175	901	16.0			0.49	1.1		30.2	10.6	23.1
175	901	17.0			0.48	1.0		30.2	10.6	23.1
175	901	18.0			0.48	1.0		30.1	10.6	23.0
175	901	19.0			0.47	1.0		30.1	10.6	23.0
175	901	20.0			0.47	1.0		30.2	10.6	23.1
175	901	21.0			0.47	1.0		30.3	10.6	23.2
175	901	22.0			0.48	1.0		30.5	10.6	23.3
175	901	23.0			0.48	1.0		30.6	10.5	23.4
175	901	24.0			0.48	1.0		30.6	10.5	23.5
175	901	25.0			0.49	1.0		30.7	10.5	23.5
175	901	26.0			0.48	1.0		30.7	10.5	23.5
175	901	27.0			0.49	1.0		30.8	10.5	23.6
175	901	28.0			0.49	1.1		30.8	10.5	23.6
175	901	29.0			0.49	1.0		30.8	10.5	23.6
175	901	30.0			0.49	1.0		30.8	10.5	23.6
175	901	31.0			0.49	1.1		30.8	10.5	23.6

Fluorometer Calibration: n r² A B Syx
 12 0.01 0.5 1.05 0.3

LOCATION: South San Francisco Bay
DATE: February 28, 1990
JULIAN DAY: 90059

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
30	1854	1.0	3.3	0.56	0.74	3.4		27.9	11.6	21.2
30	1854	2.0			0.74	3.4		27.9	11.6	21.2
30	1854	3.0			0.75	3.4		27.9	11.6	21.2
30	1854	4.0			0.75	3.4		27.9	11.6	21.2
30	1854	5.0			0.76	3.4		27.9	11.6	21.2
30	1854	6.0			0.78	3.5		28.1	11.5	21.3
30	1854	7.0			0.83	3.7		28.2	11.5	21.4
30	1854	8.0			0.90	4.0		28.2	11.4	21.4
30	1854	9.0			0.96	4.3		28.2	11.4	21.4
30	1854	10.0			1.00	4.5		28.2	11.4	21.4
30	1854	11.0			1.04	4.6		28.2	11.4	21.4
30	1854	12.0			1.08	4.8		28.2	11.4	21.5
30	1854	13.0			1.11	4.9		28.3	11.4	21.5
30	1854	14.0			1.15	5.1		28.3	11.4	21.5
30	1854	15.0			1.16	5.2		28.3	11.4	21.5
30	1854	16.0			1.18	5.2		27.8	11.4	21.1
29	1827	1.0	3.1	0.49	0.74	3.4		28.5	11.5	21.6
29	1827	2.0			0.74	3.4		28.5	11.5	21.6
29	1827	3.0			0.75	3.4		28.5	11.4	21.7
29	1827	4.0			0.78	3.5		28.5	11.4	21.7
29	1827	5.0			0.80	3.6		28.5	11.4	21.7
29	1827	6.0			0.83	3.7		28.6	11.4	21.7
29	1827	7.0			0.86	3.9		28.6	11.3	21.7
29	1827	8.0			0.89	4.0		28.6	11.3	21.7
29	1827	9.0			0.91	4.1		28.6	11.3	21.7
29	1827	10.0			0.92	4.1		28.6	11.3	21.7
29	1827	11.0			0.92	4.1		28.6	11.3	21.7
29	1827	12.0			0.92	4.1		28.6	11.3	21.7
29	1827	13.0			0.94	4.2		28.6	11.3	21.7
29	1827	14.0			0.95	4.2		28.6	11.3	21.7
29	1827	15.0			0.96	4.3		28.6	11.3	21.7
28	1758	1.0	3.2	0.38	0.69	3.1		28.6	11.3	21.8
28	1758	2.0			0.69	3.1		28.6	11.3	21.8
28	1758	3.0			0.70	3.1		28.7	11.3	21.8
28	1758	4.0			0.73	3.3		28.7	11.3	21.8
28	1758	5.0			0.76	3.4		28.7	11.3	21.8
28	1758	6.0			0.80	3.6		28.7	11.3	21.8
28	1758	7.0			0.82	3.7		28.7	11.3	21.8
28	1758	8.0			0.86	3.9		28.7	11.3	21.8
28	1758	9.0			0.92	4.1		28.7	11.3	21.8
28	1758	10.0			0.96	4.3		28.7	11.3	21.8
28	1758	11.0			1.01	4.5		28.7	11.3	21.8
28	1758	12.0			1.04	4.6		28.7	11.3	21.8
27	1729	1.0	3.4	0.53	0.71	3.2	2.4	28.9	11.4	21.9
27	1729	2.0			0.71	3.2		28.9	11.3	21.9
27	1729	3.0			0.71	3.2		28.9	11.3	22.0
27	1729	4.0			0.71	3.2		28.9	11.3	22.0
27	1729	5.0			0.72	3.3		28.9	11.2	22.0
27	1729	6.0			0.72	3.3		29.0	11.1	22.1
27	1729	7.0			0.74	3.3		29.0	11.1	22.1
27	1729	8.0			0.73	3.3		29.1	11.0	22.1
27	1729	9.0			0.75	3.4		29.0	11.0	22.1
27	1729	10.0			0.74	3.4		29.0	11.0	22.1
27	1729	11.0			0.74	3.4		28.9	11.0	22.1
27	1729	12.0			0.75	3.4		28.9	11.0	22.1
26	1713	1.0		—	0.68	3.1	2.8	28.9	10.9	22.0
26	1713	2.0			0.68	3.1		28.9	10.9	22.0
26	1713	3.0			0.67	3.0		28.9	10.9	22.0
26	1713	4.0			0.67	3.0		28.9	10.9	22.0
26	1713	5.0			0.68	3.1		28.9	10.9	22.1
26	1713	6.0			0.67	3.0		28.9	10.9	22.1

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 DATE: February 28, 1990
 JULIAN DAY: 90059

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
26	1713	7.0			0.68	3.1				
26	1713	8.0			0.69	3.1		29.0	10.9	22.1
26	1713	9.0			0.70	3.2		29.0	10.9	22.1
26	1713	10.0			0.71	3.2		29.0	10.9	22.1
25	1649	1.0			0.68	3.1	2.6	28.8	11.1	22.0
25	1649	2.0			0.68	3.1		28.8	11.1	22.0
25	1649	3.0			0.67	3.0		28.8	11.0	22.0
25	1649	4.0			0.67	3.0		28.9	11.0	22.0
25	1649	5.0			0.69	3.1		29.0	10.9	22.1
25	1649	6.0			0.70	3.2		29.0	10.9	22.1
25	1649	7.0			0.73	3.3		29.0	10.9	22.1
25	1649	8.0			0.75	3.4		29.0	10.9	22.1
25	1649	9.0			0.76	3.4		29.0	10.9	22.1
24	1630	1.0	2.7	0.61	0.55	2.5	1.9	29.2	11.0	22.3
24	1630	2.0			0.55	2.5		29.2	11.0	22.3
24	1630	3.0			0.54	2.5		29.2	11.0	22.3
24	1630	4.0			0.54	2.5		29.2	11.0	22.3
24	1630	5.0			0.54	2.5		29.2	11.0	22.3
24	1630	6.0			0.54	2.5		29.3	10.9	22.3
24	1630	7.0			0.54	2.5		29.3	10.9	22.3
24	1630	8.0			0.56	2.5		29.3	10.9	22.4
24	1630	9.0			0.56	2.5		29.3	10.9	22.4
24	1630	10.0			0.57	2.6		29.3	10.9	22.4
24	1630	11.0			0.56	2.5		29.3	10.9	22.4
					0.58	2.6		29.3	10.9	22.4
23	1610	1.0			0.51	2.3	1.7	29.6	11.0	22.5
23	1610	2.0			0.51	2.3		29.6	11.0	22.5
23	1610	3.0			0.51	2.3		29.6	11.0	22.5
23	1610	4.0			0.51	2.3		29.6	11.0	22.6
23	1610	5.0			0.50	2.3		29.6	11.0	22.6
23	1610	6.0			0.49	2.3		29.7	10.9	22.6
23	1610	7.0			0.48	2.2		29.7	11.0	22.6
23	1610	8.0			0.48	2.2		29.8	10.9	22.7
23	1610	9.0			0.48	2.2		29.8	10.9	22.7
23	1610	10.0			0.48	2.2		29.8	10.9	22.7
23	1610	11.0			0.47	2.2		29.8	10.9	22.7
23	1610	12.0			0.45	2.1		29.8	10.9	22.7
23	1610	13.0			0.45	2.1		29.8	10.9	22.7
23	1610	14.0			0.46	2.1		29.8	10.9	22.8
23	1610	15.0			0.48	2.2		29.8	10.9	22.8
					0.49	2.3		29.8	10.9	22.8
22	1546	1.0			0.47	2.1	1.5	29.9	10.9	22.8
22	1546	2.0			0.47	2.1		29.9	10.9	22.8
22	1546	3.0			0.46	2.1		29.9	10.9	22.8
22	1546	4.0			0.46	2.1		29.9	10.8	22.8
22	1546	5.0			0.46	2.1		29.9	10.8	22.9
22	1546	6.0			0.45	2.1		30.0	10.8	22.9
22	1546	7.0			0.45	2.1		30.0	10.8	22.9
22	1546	8.0			0.45	2.1		30.0	10.8	22.9
22	1546	9.0			0.45	2.1		30.1	10.8	23.0
22	1546	10.0			0.45	2.1		30.1	10.8	23.0
22	1546	11.0			0.45	2.1		30.2	10.8	23.1
22	1546	12.0			0.43	2.0		30.2	10.8	23.1
22	1546	13.0			0.45	2.1		30.3	10.8	23.1
22	1546	14.0			0.43	2.0		30.3	10.8	23.1
22	1546	15.0			0.43	2.0		30.3	10.8	23.1
22	1546	16.0			0.43	2.0		30.3	10.8	23.2
22	1546	17.0			0.43	2.0		30.4	10.8	23.2
22	1546	18.0			0.45	2.1		30.4	10.8	23.2
					0.46	2.1		30.4	10.8	23.2
21	1527	1.0	2.1	0.56	0.49	2.2	1.8	29.4	11.1	22.4
21	1527	2.0			0.49	2.2		29.5	11.1	22.4
21	1527	3.0			0.49	2.2		29.5	11.0	22.5

LOCATION: South San Francisco Bay
 DATE: February 28, 1990
 JULIAN DAY: 90059

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
21	1527	4.0			0.48	2.2		29.7	10.9	22.6
21	1527	5.0			0.48	2.2		29.8	10.9	22.8
21	1527	6.0			0.47	2.2		30.0	10.9	22.9
21	1527	7.0			0.47	2.2		30.2	10.8	23.1
21	1527	8.0			0.47	2.1		30.4	10.8	23.2
21	1527	9.0			0.48	2.2		30.4	10.8	23.3
21	1527	10.0			0.48	2.2		30.4	10.8	23.3
21	1527	11.0			0.48	2.2		30.5	10.8	23.3
21	1527	12.0			0.49	2.2		30.6	10.7	23.4
21	1527	13.0			0.47	2.2		30.7	10.7	23.5
21	1527	14.0			0.48	2.2		30.7	10.7	23.5
21	1527	15.0			0.47	2.1		30.7	10.7	23.5
21	1527	16.0			0.47	2.2		30.8	10.7	23.5
21	1527	17.0			0.48	2.2		30.8	10.7	23.5
21	1527	18.0			0.48	2.2		30.8	10.7	23.5

Fluorometer Calibration:	n	r ²	A	B	Syx
	6	0.86	0.1	4.35	0.2

LOCATION: South San Francisco Bay
DATE: March 13, 1990
JULIAN DAY: 90072

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32.0	818	1.0	6.1	0.55	1.20	7.2	6.9	26.5	11.6	20.0
32.0	818	2.0			1.20	7.2		26.5	11.6	20.1
32.0	818	3.0			1.22	7.3		26.6	11.6	20.1
32.0	818	4.0			1.22	7.3		26.6	11.7	20.2
32.0	818	5.0			1.23	7.4		26.7	11.7	20.2
32.0	818	6.0			1.25	7.5		26.8	11.8	20.2
32.0	818	7.0			1.26	7.6		26.8	11.8	20.3
32.0	818	8.0			1.30	7.9		26.9	11.9	20.3
32.0	818	9.0	9.9	0.31	1.38	8.4		26.9	11.9	20.3
31.0	831	1.0			1.12	6.6	3.1	26.6	11.9	20.1
31.0	831	2.0			1.12	6.6		26.8	11.8	20.2
31.0	831	3.0			1.11	6.6		26.8	11.7	20.3
31.0	831	4.0			1.12	6.6		26.8	11.7	20.3
31.0	831	5.0			1.12	6.6		26.9	11.7	20.4
31.0	831	6.0			1.12	6.6		27.0	11.7	20.4
31.0	831	7.0			1.14	6.8		27.0	11.7	20.5
31.0	831	8.0			1.16	6.9		27.1	11.7	20.5
31.0	831	9.0			1.18	7.1		27.1	11.8	20.5
31.0	831	10.0			1.18	7.1		27.2	11.8	20.6
31.0	831	11.0			1.20	7.2		27.2	11.8	20.6
31.0	831	12.0			1.19	7.1		27.2	11.8	20.6
31.0	831	13.0			1.25	7.5		27.3	11.8	20.7
30.0	852	1.0	7.2	0.37	1.17	7.0	5.0	27.5	11.8	20.8
30.0	852	2.0			1.17	7.0		27.6	11.8	20.8
30.0	852	3.0			1.24	7.5		27.6	11.9	20.9
30.0	852	4.0			1.26	7.6		27.7	11.8	20.9
30.0	852	5.0			1.29	7.8		27.7	11.7	21.0
30.0	852	6.0			1.28	7.7		27.7	11.7	21.0
30.0	852	7.0			1.28	7.7		27.7	11.7	21.0
30.0	852	8.0			1.28	7.7		27.7	11.7	21.0
30.0	852	9.0			1.24	7.5		27.8	11.6	21.1
30.0	852	10.0			1.21	7.2		27.8	11.5	21.1
30.0	852	11.0			1.17	7.0		27.8	11.5	21.1
30.0	852	12.0			1.13	6.7		27.9	11.3	21.2
30.0	852	13.0			1.11	6.5		27.9	11.2	21.2
30.0	852	14.0	5.3	0.34	1.15	6.8		27.9	11.1	21.3
29.0	920	1.0			0.96	5.5	4.3	27.8	11.9	21.0
29.0	920	2.0			0.96	5.5		27.8	11.9	21.1
29.0	920	3.0			0.97	5.6		27.9	11.8	21.1
29.0	920	4.0			0.98	5.7		28.0	11.8	21.2
29.0	920	5.0			1.00	5.8		28.1	11.8	21.2
29.0	920	6.0			1.03	6.0		28.1	11.8	21.3
29.0	920	7.0			1.04	6.1		28.1	11.8	21.3
29.0	920	8.0			1.05	6.1		28.2	11.8	21.4
29.0	920	9.0			1.06	6.2		28.2	11.8	21.4
29.0	920	10.0			1.05	6.2		28.2	11.8	21.4
29.0	920	11.0			1.05	6.1		28.2	11.8	21.4
29.0	920	12.0			1.10	6.5		28.3	11.8	21.4
29.0	920	13.0			1.16	6.9		28.2	11.8	21.4
29.0	920	14.0			1.22	7.3		28.3	11.8	21.4
28.0	938	1.0			0.84	4.7	2.8	28.1	11.9	21.2
28.0	938	2.0			0.84	4.7		28.2	11.8	21.4
28.0	938	3.0			0.86	4.8		28.2	11.8	21.4
28.0	938	4.0			0.87	4.9		28.2	11.8	21.4
28.0	938	5.0			0.91	5.2		28.2	11.8	21.4
28.0	938	6.0			0.93	5.4		28.2	11.8	21.4
28.0	938	7.0			0.98	5.6		28.2	11.8	21.4
28.0	938	8.0			1.02	5.9		28.3	11.8	21.4
28.0	938	9.0			1.05	6.1		28.3	11.7	21.4
28.0	938	10.0			1.06	6.2		28.3	11.7	21.5
28.0	938	11.0			1.07	6.3		28.3	11.7	21.5

LOCATION: South San Francisco Bay
DATE: March 13, 1990
JULIAN DAY: 90072

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28.0	938	12.0			1.10	6.5		28.3	11.7	21.5
28.0	938	13.0			1.13	6.7		28.3	11.7	21.5
28.0	938	14.0			1.17	7.0		28.3	11.7	21.5
28.0	938	15.0			1.23	7.4		28.3	11.7	21.5
27.0	958	1.0	4.9	0.64	0.78	4.3	1.6	28.3	12.0	21.4
27.0	958	2.0			0.78	4.3		28.3	12.0	21.4
27.0	958	3.0			0.79	4.3		28.4	11.9	21.5
27.0	958	4.0			0.80	4.4		28.4	11.7	21.5
27.0	958	5.0			0.79	4.4		28.4	11.7	21.5
27.0	958	6.0			0.82	4.6		28.4	11.7	21.5
27.0	958	7.0			0.84	4.7		28.4	11.7	21.5
27.0	958	8.0			0.87	4.9		28.4	11.7	21.5
27.0	958	9.0			0.92	5.3		28.4	11.7	21.6
27.0	958	10.0			0.94	5.4		28.4	11.7	21.6
27.0	958	11.0			0.96	5.5		28.4	11.7	21.5
27.0	958	12.0	6.2	0.35	1.00	5.8		28.4	11.7	21.5
26.0	1015	1.0			0.75	4.1	2.0	28.6	12.2	21.6
26.0	1015	2.0			0.75	4.1		28.7	11.9	21.7
26.0	1015	3.0			0.77	4.2		28.7	11.7	21.7
26.0	1015	4.0			0.80	4.4		28.7	11.7	21.7
26.0	1015	5.0			0.83	4.6		28.6	11.7	21.7
26.0	1015	6.0			0.86	4.9		28.6	11.6	21.7
26.0	1015	7.0			0.91	5.2		28.6	11.6	21.7
26.0	1015	8.0			0.95	5.4		28.6	11.6	21.7
26.0	1015	9.0			0.97	5.6		28.6	11.6	21.7
26.0	1015	10.0			1.01	5.9		28.6	11.7	21.7
25.0	1039	1.0			0.77	4.2	4.3	28.8	11.7	21.9
25.0	1039	2.0			0.77	4.2		28.8	11.7	21.9
25.0	1039	3.0			0.78	4.3		28.8	11.6	21.9
25.0	1039	4.0			0.78	4.3		28.8	11.6	21.9
25.0	1039	5.0			0.79	4.3		28.8	11.6	21.9
25.0	1039	6.0			0.79	4.4		28.8	11.6	21.9
25.0	1039	7.0			0.79	4.3		28.8	11.6	21.9
25.0	1039	8.0			0.78	4.3		28.8	11.6	21.9
24.0	1100	1.0	3.1	0.48	0.58	2.9	2.1	29.0	12.0	21.9
24.0	1100	2.0			0.58	2.9		29.1	11.8	22.1
24.0	1100	3.0			0.60	3.1		29.2	11.7	22.1
24.0	1100	4.0			0.61	3.1		29.2	11.7	22.2
24.0	1100	5.0			0.62	3.2		29.2	11.7	22.2
24.0	1100	6.0			0.63	3.2		29.2	11.7	22.2
24.0	1100	7.0			0.63	3.3		29.2	11.7	22.2
24.0	1100	8.0			0.64	3.4		29.2	11.7	22.2
24.0	1100	9.0			0.65	3.4		29.2	11.7	22.2
24.0	1100	10.0	2.7	0.33	0.64	3.3		29.2	11.7	22.2
23.0	1121	1.0			0.60	3.1	3.0	29.5	11.6	22.4
23.0	1121	2.0			0.60	3.1		29.5	11.6	22.4
23.0	1121	3.0			0.61	3.1		29.5	11.6	22.4
23.0	1121	4.0			0.61	3.1		29.5	11.6	22.4
23.0	1121	5.0			0.61	3.1		29.5	11.6	22.4
23.0	1121	6.0			0.62	3.2		29.5	11.6	22.4
23.0	1121	7.0			0.63	3.3		29.5	11.6	22.4
23.0	1121	8.0			0.63	3.3		29.5	11.6	22.4
23.0	1121	9.0			0.63	3.3		29.5	11.6	22.4
23.0	1121	10.0			0.63	3.3		29.5	11.6	22.4
23.0	1121	11.0			0.62	3.2		29.5	11.6	22.4
23.0	1121	12.0			0.62	3.2		29.5	11.6	22.4
23.0	1121	13.0			0.61	3.1		29.5	11.6	22.4
23.0	1121	14.0			0.61	3.1		29.5	11.6	22.4
23.0	1121	15.0			0.61	3.1		29.5	11.6	22.4
22.0	1145	1.0			0.54	2.7	1.7	29.7	11.4	22.6

LOCATION: South San Francisco Bay
 DATE: March 13, 1990
 JULIAN DAY: 90072

STN	TIME	DEPTH	DISCR	CHLa/	FLUOR	CALC	EXCOF	SALIN	TEMP	SIGMT
			CHL a	a+PHA		CHL a				
22.0	1145	2.0			0.54	2.7		29.8	11.3	22.7
22.0	1145	3.0			0.56	2.8		29.8	11.3	22.7
22.0	1145	4.0			0.56	2.8		29.8	11.3	22.7
22.0	1145	5.0			0.57	2.8		29.8	11.3	22.7
22.0	1145	6.0			0.57	2.8		29.8	11.3	22.7
22.0	1145	7.0			0.58	2.9		29.9	11.3	22.7
22.0	1145	8.0			0.59	3.0		29.9	11.3	22.7
22.0	1145	9.0			0.60	3.0		29.9	11.3	22.7
22.0	1145	10.0			0.60	3.0		29.9	11.3	22.7
22.0	1145	11.0			0.60	3.1		29.9	11.3	22.8
22.0	1145	12.0			0.60	3.1		29.9	11.3	22.8
22.0	1145	13.0			0.60	3.1		29.9	11.3	22.8
22.0	1145	14.0			0.60	3.1		29.9	11.3	22.7
22.0	1145	15.0			0.60	3.0		29.9	11.3	22.8
22.0	1145	16.0			0.60	3.0		29.9	11.3	22.8
22.0	1145	17.0			0.60	3.0		29.9	11.3	22.8
22.0	1145	18.0			0.60	3.0		29.9	11.3	22.8
22.0	1145	19.0			0.60	3.0		29.9	11.3	22.8
22.0	1145	20.0			0.60	3.0		29.8	11.3	22.7
21.0	1204	1.0	2.7	0.46	0.57	2.8	1.8	29.8	11.3	22.7
21.0	1204	2.0			0.57	2.8		29.9	11.3	22.7
21.0	1204	3.0			0.57	2.9		29.9	11.2	22.8
21.0	1204	4.0			0.57	2.9		29.9	11.2	22.8
21.0	1204	5.0			0.58	2.9		30.0	11.2	22.8
21.0	1204	6.0			0.58	2.9		30.0	11.2	22.8
21.0	1204	7.0			0.59	3.0		30.0	11.2	22.8
21.0	1204	8.0			0.60	3.0		30.0	11.2	22.8
21.0	1204	9.0			0.60	3.0		29.9	11.2	22.8
21.0	1204	10.0			0.58	2.9		30.0	11.2	22.8
21.0	1204	11.0			0.59	3.0		30.0	11.2	22.8
21.0	1204	12.0			0.59	3.0		30.0	11.2	22.8
21.0	1204	13.0			0.59	3.0		30.0	11.2	22.8
21.0	1204	14.0			0.60	3.0		30.0	11.2	22.8
21.0	1204	15.0			0.60	3.0		30.0	11.2	22.8
21.0	1204	16.0			0.60	3.0		30.0	11.2	22.8
21.0	1204	17.0	3.6	0.46	0.60	3.0		30.0	11.2	22.8

Fluorometer Calibration: n r^2 A B Syx
 10 0.85 -1.1 6.87 0.9

LOCATION: South San Francisco Bay
DATE: March 20, 1990
JULIAN DAY: 90079

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32.0	1430	1.0	10.9	0.75	1.40	11.1	2.2	25.5	15.5	18.5
32.0	1430	2.0			1.40	11.1		25.8	14.9	18.9
32.0	1430	3.0			1.33	10.5		26.2	14.3	19.3
32.0	1430	4.0			1.30	10.1		26.2	14.2	19.4
32.0	1430	5.0			1.24	9.6		26.4	14.1	19.5
32.0	1430	6.0			1.21	9.3		26.4	14.1	19.5
32.0	1430	7.0			1.18	9.0		26.4	14.0	19.6
32.0	1430	8.0	6.9	0.63	1.13	8.6		26.8	14.0	19.9
31.0	1415	1.0	10.0	0.78	1.29	10.0	1.9	26.3	14.7	19.4
31.0	1415	2.0			1.29	10.0		26.5	14.1	19.6
31.0	1415	3.0			1.30	10.2		26.6	14.2	19.6
31.0	1415	4.0			1.30	10.2		26.6	14.3	19.6
31.0	1415	5.0			1.29	10.0		26.6	14.5	19.6
31.0	1415	6.0			1.28	9.9		26.9	14.5	19.8
31.0	1415	7.0			1.26	9.8		27.0	14.3	20.0
31.0	1415	8.0			1.25	9.7		27.1	14.1	20.1
31.0	1415	9.0			1.22	9.4		27.1	14.1	20.1
31.0	1415	10.0			1.20	9.2		27.2	14.1	20.1
31.0	1415	11.0			1.14	8.6		27.3	13.9	20.2
31.0	1415	12.0			1.10	8.3		27.4	13.9	20.4
31.0	1415	13.0			1.07	8.0		27.5	13.8	20.4
30.0	1355	1.0	9.0	0.67	1.09	8.2	1.5	27.0	14.2	20.0
30.0	1355	2.0			1.09	8.2		27.2	14.0	20.2
30.0	1355	3.0			1.06	7.9		27.3	13.9	20.3
30.0	1355	4.0			1.04	7.7		27.4	13.8	20.4
30.0	1355	5.0			0.99	7.2		27.5	13.7	20.5
30.0	1355	6.0			0.94	6.7		27.6	13.7	20.5
30.0	1355	7.0			0.90	6.4		27.6	13.6	20.6
30.0	1355	8.0			0.88	6.1		27.7	13.6	20.6
30.0	1355	9.0			0.85	5.9		27.7	13.5	20.6
30.0	1355	10.0			0.83	5.7		27.7	13.5	20.6
30.0	1355	11.0			0.80	5.4		27.7	13.5	20.6
30.0	1355	12.0			0.79	5.3		27.7	13.5	20.7
30.0	1355	13.0			0.78	5.2		27.7	13.5	20.7
30.0	1355	14.0	4.5	0.54	0.79	5.3		27.7	13.5	20.7
29.0	1328	1.0			0.81	5.5	1.1	27.8	14.0	20.6
29.0	1328	2.0			0.81	5.5		27.8	13.4	20.7
29.0	1328	3.0			0.82	5.5		27.8	13.4	20.8
29.0	1328	4.0			0.80	5.4		27.9	13.3	20.8
29.0	1328	5.0			0.79	5.3		27.9	13.3	20.9
29.0	1328	6.0			0.76	5.0		27.9	13.2	20.9
29.0	1328	7.0			0.74	4.9		27.9	13.2	20.9
29.0	1328	8.0			0.74	4.8		27.9	13.2	20.9
29.0	1328	9.0			0.74	4.8		28.0	13.2	20.9
29.0	1328	10.0			0.74	4.8		28.0	13.1	21.0
29.0	1328	11.0			0.73	4.7		28.0	13.1	21.0
29.0	1328	12.0			0.74	4.8		28.0	13.1	21.0
29.0	1328	13.0			0.76	5.0		28.0	13.1	21.0
28.0	1310	1.0			0.71	4.5	1.5	28.0	14.0	20.7
28.0	1310	2.0			0.71	4.5		27.9	13.8	20.8
28.0	1310	3.0			0.75	4.9		28.0	13.7	20.8
28.0	1310	4.0			0.76	5.0		28.1	13.6	20.9
28.0	1310	5.0			0.78	5.2		28.2	13.5	21.0
28.0	1310	6.0			0.78	5.2		28.2	13.3	21.0
28.0	1310	7.0			0.78	5.1		28.2	13.3	21.1
28.0	1310	8.0			0.78	5.2		28.2	13.2	21.1
28.0	1310	9.0			0.77	5.1		28.2	13.1	21.1
28.0	1310	10.0			0.78	5.2		28.2	13.1	21.1
28.0	1310	11.0			0.78	5.2		28.2	13.1	21.1
28.0	1310	12.0			0.79	5.3		28.2	13.1	21.1
28.0	1310	13.0			0.79	5.3		28.2	13.1	21.1

LOCATION: South San Francisco Bay
DATE: March 20, 1990
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STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28.0	1310	14.0			0.80	5.4		28.2	13.1	21.1
27.0	1254	1.0	10.0	0.25	1.23	9.5	1.5	28.3	13.6	21.1
27.0	1254	2.0			1.23	9.5		28.3	13.4	21.2
27.0	1254	3.0			1.28	10.0		28.4	13.3	21.2
27.0	1254	4.0			1.29	10.0		28.4	13.3	21.2
27.0	1254	5.0			1.33	10.4		28.4	13.3	21.2
27.0	1254	6.0			1.31	10.3		28.4	13.3	21.2
27.0	1254	7.0			1.29	10.1		28.4	13.3	21.2
27.0	1254	8.0			1.29	10.1		28.4	13.3	21.3
27.0	1254	9.0			1.27	9.8		28.4	13.3	21.3
27.0	1254	10.0			1.28	10.0		28.5	13.3	21.3
27.0	1254	11.0	10.7	0.66	1.27	9.9		28.5	13.3	21.3
26.0	1237	1.0			0.87	6.0	1.4	28.6	13.5	21.3
26.0	1237	2.0			0.87	6.0		28.6	13.3	21.4
26.0	1237	3.0			0.88	6.1		28.6	13.3	21.4
26.0	1237	4.0			0.87	6.0		28.7	13.2	21.4
26.0	1237	5.0			0.87	6.0		28.7	13.2	21.4
26.0	1237	6.0			0.86	5.9		28.7	13.2	21.4
26.0	1237	7.0			0.86	5.9		28.6	13.2	21.4
26.0	1237	8.0			0.85	5.9		28.6	13.2	21.4
26.0	1237	9.0			0.85	5.8		28.6	13.2	21.4
25.0	1215	1.0			0.53	2.8	1.4	28.8	13.2	21.6
25.0	1215	2.0			0.53	2.8		28.8	13.1	21.6
25.0	1215	3.0			0.54	2.9		28.8	13.1	21.6
25.0	1215	4.0			0.54	2.9		28.8	13.1	21.6
25.0	1215	5.0			0.54	2.9		28.8	13.1	21.6
25.0	1215	6.0			0.55	3.0		28.8	13.1	21.6
25.0	1215	7.0			0.55	3.0		28.8	13.1	21.6
24.0	1153	1.0	1.7	0.57	0.41	1.6	0.9	29.0	13.0	21.8
24.0	1153	2.0			0.41	1.6		29.0	12.9	21.8
24.0	1153	3.0			0.43	1.8		29.1	12.9	21.8
24.0	1153	4.0			0.43	1.9		29.1	12.9	21.8
24.0	1153	5.0			0.44	1.9		29.1	12.9	21.8
24.0	1153	6.0			0.44	2.0		29.1	12.8	21.8
24.0	1153	7.0			0.44	1.9		29.0	12.8	21.8
24.0	1153	8.0			0.44	1.9		29.0	12.8	21.8
24.0	1153	9.0	2.6	0.35	0.44	2.0		29.0	12.8	21.8
23.0	1135	1.0			0.39	1.5	1.0	29.1	12.9	21.8
23.0	1135	2.0			0.39	1.5		29.1	12.8	21.8
23.0	1135	3.0			0.41	1.7		29.1	12.8	21.9
23.0	1135	4.0			0.42	1.8		29.1	12.7	21.9
23.0	1135	5.0			0.43	1.8		29.2	12.7	21.9
23.0	1135	6.0			0.43	1.8		29.2	12.7	22.0
23.0	1135	7.0			0.44	2.0		29.2	12.7	22.0
23.0	1135	8.0			0.43	1.9		29.2	12.7	21.9
23.0	1135	9.0			0.43	1.8		29.1	12.6	21.9
23.0	1135	10.0			0.42	1.8		29.1	12.6	21.9
23.0	1135	11.0			0.42	1.7		29.1	12.6	21.9
23.0	1135	12.0			0.41	1.7		29.1	12.6	21.9
23.0	1135	13.0			0.41	1.7		29.1	12.6	21.9
23.0	1135	14.0			0.41	1.6		29.1	12.6	21.9
22.0	1108	1.0			0.39	1.5	1.0	29.2	12.4	22.0
22.0	1108	2.0			0.39	1.5		29.3	12.2	22.1
22.0	1108	3.0			0.42	1.7		29.3	12.2	22.1
22.0	1108	4.0			0.42	1.8		29.3	12.2	22.1
22.0	1108	5.0			0.43	1.9		29.3	12.2	22.2
22.0	1108	6.0			0.43	1.9		29.3	12.2	22.2
22.0	1108	7.0			0.44	2.0		29.3	12.2	22.2
22.0	1108	8.0			0.45	2.0		29.3	12.2	22.2

LOCATION: South San Francisco Bay
 DATE: March 20, 1990
 JULIAN DAY: 90079

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22.0	1108	9.0			0.46	2.1		29.3	12.2	22.2
22.0	1108	10.0			0.46	2.2		29.3	12.2	22.1
22.0	1108	11.0			0.47	2.2		29.3	12.2	22.1
22.0	1108	12.0			0.48	2.3		29.3	12.2	22.1
22.0	1108	13.0			0.48	2.3		29.3	12.2	22.1
22.0	1108	14.0			0.48	2.4		29.3	12.2	22.2
22.0	1108	15.0			0.49	2.4		29.3	12.2	22.1
22.0	1108	16.0			0.50	2.5		29.3	12.2	22.2
21.0	1048	1.0	2.5	0.50	0.52	2.7	1.3	29.3	12.5	22.1
21.0	1048	2.0			0.52	2.7		29.3	12.4	22.1
21.0	1048	3.0			0.52	2.7		29.3	12.3	22.1
21.0	1048	4.0			0.53	2.8		29.3	12.3	22.1
21.0	1048	5.0			0.52	2.8		29.3	12.3	22.1
21.0	1048	6.0			0.53	2.8		29.3	12.2	22.2
21.0	1048	7.0			0.55	3.0		29.4	12.2	22.2
21.0	1048	8.0			0.56	3.1		29.4	12.2	22.2
21.0	1048	9.0			0.57	3.2		29.4	12.2	22.2
21.0	1048	10.0			0.56	3.1		29.4	12.2	22.2
21.0	1048	11.0			0.56	3.1		29.5	12.1	22.3
21.0	1048	12.0			0.57	3.2		29.5	12.1	22.3
21.0	1048	13.0			0.57	3.2		29.5	12.1	22.3
21.0	1048	14.0			0.58	3.3		29.5	12.1	22.3
21.0	1048	15.0			0.57	3.2		29.5	12.1	22.3
21.0	1048	16.0	3.3	0.43	0.58	3.3		29.5	12.1	22.3

Fluorometer Calibration: n r² A B Syx
 11 0.96 -2.2 9.53 0.8

LOCATION: South San Francisco Bay
DATE: March 30, 1990
JULIAN DAY: 90089

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32.0	1223	1.0	7.5	0.69	1.05	7.3	2.8	27.1	15.9	19.7
32.0	1223	2.0			1.05	7.3		27.2	15.9	19.8
32.0	1223	3.0			1.05	7.3		27.4	15.8	19.9
32.0	1223	4.0			1.04	7.2		27.5	15.8	20.0
32.0	1223	5.0			1.07	7.5		27.5	15.8	20.0
32.0	1223	6.0			1.10	7.7		27.5	15.7	20.0
32.0	1223	7.0			1.12	7.9		27.5	15.7	20.0
32.0	1223	8.0	7.7	0.36	1.15	8.2		27.5	15.7	20.0
31.0	1211	1.0			0.88	5.8	2.0	27.4	16.2	19.9
31.0	1211	2.0			0.88	5.8		27.5	16.2	19.9
31.0	1211	3.0			0.88	5.9		27.5	16.1	20.0
31.0	1211	4.0			0.91	6.1		27.5	16.1	20.0
31.0	1211	5.0			0.91	6.1		27.5	16.0	20.0
31.0	1211	6.0			0.93	6.2		27.6	15.8	20.1
31.0	1211	7.0			0.94	6.4		27.6	15.8	20.1
31.0	1211	8.0			0.96	6.5		27.6	15.8	20.1
31.0	1211	9.0			0.98	6.7		27.6	15.7	20.1
31.0	1211	10.0			0.96	6.5		27.7	15.7	20.2
31.0	1211	11.0			0.98	6.7		27.7	15.6	20.2
31.0	1211	12.0			1.05	7.3		27.8	15.6	20.3
31.0	1211	13.0			1.11	7.8		27.8	15.6	20.3
30.0	1155	1.0	6.0	0.76	0.85	5.6	2.2	27.9	15.7	20.4
30.0	1155	2.0			0.85	5.6		27.9	15.5	20.4
30.0	1155	3.0			0.86	5.6		28.0	15.4	20.5
30.0	1155	4.0			0.82	5.3		28.0	15.4	20.5
30.0	1155	5.0			0.82	5.4		28.0	15.4	20.5
30.0	1155	6.0			0.82	5.4		28.0	15.4	20.5
30.0	1155	7.0			0.84	5.5		28.0	15.4	20.5
30.0	1155	8.0			0.84	5.5		28.0	15.5	20.5
30.0	1155	9.0			0.86	5.7		28.1	15.4	20.6
30.0	1155	10.0			0.87	5.8		28.1	15.4	20.6
30.0	1155	11.0			0.90	6.0		28.1	15.4	20.6
30.0	1155	12.0			0.89	5.9		28.1	15.4	20.6
30.0	1155	13.0			0.92	6.2		28.1	15.3	20.6
30.0	1155	14.0	6.6	0.42	0.94	6.3		28.1	15.3	20.6
29.0	1133	1.0			0.93	6.2	3.1	28.3	15.2	20.8
29.0	1133	2.0			0.93	6.2		28.4	15.1	20.8
29.0	1133	3.0			0.95	6.5		28.4	15.1	20.9
29.0	1133	4.0			0.99	6.8		28.4	15.1	20.9
29.0	1133	5.0			0.98	6.7		28.4	15.1	20.9
29.0	1133	6.0			0.99	6.8		28.4	15.1	20.9
29.0	1133	7.0			0.99	6.8		28.4	15.1	20.9
29.0	1133	8.0			1.01	6.9		28.4	15.0	20.9
29.0	1133	9.0			1.06	7.4		28.5	15.0	21.0
29.0	1133	10.0			1.11	7.8		28.5	15.0	21.0
29.0	1133	11.0			1.14	8.1		28.5	15.0	21.0
29.0	1133	12.0			1.25	9.1		28.5	15.0	21.0
29.0	1133	13.0			1.32	9.6		28.5	15.0	21.0
28.0	1120	1.0			0.77	4.9	2.4	28.3	15.3	20.7
28.0	1120	2.0			0.77	4.9		28.3	15.2	20.8
28.0	1120	3.0			0.77	4.9		28.3	15.1	20.8
28.0	1120	4.0			0.76	4.8		28.3	15.1	20.8
28.0	1120	5.0			0.76	4.8		28.3	15.1	20.8
28.0	1120	6.0			0.77	4.9		28.3	15.1	20.8
28.0	1120	7.0			0.76	4.8		28.4	15.0	20.8
28.0	1120	8.0			0.76	4.8		28.4	15.0	20.9
28.0	1120	9.0			0.76	4.8		28.4	15.0	20.9
28.0	1120	10.0			0.78	5.0		28.4	14.9	20.9
28.0	1120	11.0			0.81	5.3		28.4	15.0	20.9
28.0	1120	12.0			0.86	5.7		28.4	15.0	20.9
28.0	1120	13.0			0.89	5.9		28.4	15.0	20.9

LOCATION: South San Francisco Bay
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STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28.0	1120	14.0			0.95	6.4		28.4	15.0	20.9
27.0	1105	1.0	3.7	0.70	0.67	4.0	1.6	28.3	15.6	20.7
27.0	1105	2.0			0.67	4.0		28.3	15.3	20.7
27.0	1105	3.0			0.69	4.2		28.3	15.2	20.8
27.0	1105	4.0			0.69	4.2		28.4	15.1	20.8
27.0	1105	5.0			0.69	4.1		28.4	15.1	20.9
27.0	1105	6.0			0.71	4.3		28.4	15.1	20.9
27.0	1105	7.0			0.71	4.4		28.4	15.1	20.9
27.0	1105	8.0			0.73	4.5		28.4	15.1	20.9
27.0	1105	9.0			0.74	4.6		28.4	15.1	20.9
27.0	1105	10.0			0.76	4.8		28.4	15.1	20.9
27.0	1105	11.0	4.6	0.40	0.79	5.0		28.4	15.1	20.9
26.0	1052	1.0			0.68	4.1	1.6	28.5	15.3	20.9
26.0	1052	2.0			0.68	4.1		28.5	15.1	21.0
26.0	1052	3.0			0.68	4.1		28.5	15.0	21.0
26.0	1052	4.0			0.68	4.1		28.5	15.0	21.0
26.0	1052	5.0			0.68	4.1		28.5	15.0	21.0
26.0	1052	6.0			0.68	4.1		28.5	15.0	21.0
26.0	1052	7.0			0.70	4.3		28.5	15.0	21.0
26.0	1052	8.0			0.75	4.7		28.5	15.0	21.0
26.0	1052	9.0			0.79	5.1		28.5	15.0	21.0
25.0	1035	1.0			0.59	3.3	1.5	28.8	14.9	21.2
25.0	1035	2.0			0.59	3.3		28.8	14.7	21.2
25.0	1035	3.0			0.60	3.4		28.8	14.6	21.3
25.0	1035	4.0			0.61	3.5		28.8	14.6	21.3
25.0	1035	5.0			0.62	3.6		28.8	14.6	21.2
25.0	1035	6.0			0.63	3.7		28.7	14.6	21.2
25.0	1035	7.0			0.63	3.6		28.7	14.7	21.2
24.0	1049	1.0	3.4	0.61	0.61	3.5	1.9	29.1	14.2	21.6
24.0	1049	2.0			0.61	3.5		29.1	14.1	21.6
24.0	1049	3.0			0.62	3.6		29.1	14.1	21.6
24.0	1049	4.0			0.62	3.6		29.1	14.1	21.6
24.0	1049	5.0			0.62	3.6		29.1	14.1	21.6
24.0	1049	6.0			0.63	3.7		29.1	14.1	21.6
24.0	1049	7.0			0.64	3.8		29.1	14.1	21.6
24.0	1049	8.0			0.65	3.8		29.1	14.1	21.6
24.0	1049	9.0	4.0	0.40	0.66	4.0		29.1	14.1	21.6
23.0	1003	1.0			0.69	4.2	2.3	29.0	14.3	21.5
23.0	1003	2.0			0.69	4.2		29.1	14.2	21.6
23.0	1003	3.0			0.70	4.3		29.0	14.2	21.5
23.0	1003	4.0			0.70	4.3		29.0	14.2	21.5
23.0	1003	5.0			0.70	4.3		29.0	14.2	21.6
23.0	1003	6.0			0.71	4.4		29.1	14.2	21.6
23.0	1003	7.0			0.74	4.6		29.1	14.2	21.6
23.0	1003	8.0			0.75	4.7		29.1	14.1	21.6
23.0	1003	9.0			0.77	4.8		29.1	14.1	21.6
23.0	1003	10.0			0.75	4.7		29.1	14.1	21.6
23.0	1003	11.0			0.74	4.6		29.1	14.1	21.6
23.0	1003	12.0			0.73	4.6		29.1	14.1	21.6
23.0	1003	13.0			0.73	4.5		29.1	14.1	21.6
22.0	941	1.0			0.66	3.9	1.8	29.2	14.2	21.7
22.0	941	2.0			0.66	3.9		29.3	14.1	21.7
22.0	941	3.0			0.67	4.0		29.2	14.1	21.7
22.0	941	4.0			0.68	4.1		29.3	14.1	21.7
22.0	941	5.0			0.68	4.1		29.3	14.0	21.8
22.0	941	6.0			0.68	4.1		29.3	14.0	21.8
22.0	941	7.0			0.68	4.1		29.4	14.0	21.8
22.0	941	8.0			0.71	4.4		29.4	13.9	21.9
22.0	941	9.0			0.71	4.3		29.5	13.9	21.9

LOCATION: South San Francisco Bay
 DATE: March 30, 1990
 JULIAN DAY: 90089

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22	941	10.0			0.71	4.4		29.5	13.8	22.0
22	941	11.0			0.69	4.2		29.5	13.8	22.0
22	941	12.0			0.68	4.1		29.6	13.8	22.1
22	941	13.0			0.67	4.1		29.6	13.7	22.1
22	941	14.0			0.67	4.0		29.6	13.7	22.1
22	941	15.0			0.66	4.0		29.6	13.7	22.1
22	941	16.0			0.68	4.1		29.7	13.7	22.1
21	922	1.0	4.6	0.60	0.76	4.8	2.1	29.1	14.5	21.5
21	922	2.0			0.76	4.8		29.1	14.4	21.6
21	922	3.0			0.75	4.7		29.2	14.3	21.7
21	922	4.0			0.74	4.6		29.3	14.2	21.7
21	922	5.0			0.74	4.6		29.4	14.1	21.8
21	922	6.0			0.73	4.6		29.4	14.1	21.9
21	922	7.0			0.74	4.6		29.4	14.1	21.9
21	922	8.0			0.74	4.7		29.5	14.1	21.9
21	922	9.0			0.76	4.8		29.4	14.0	21.9
21	922	10.0			0.74	4.7		29.5	14.0	21.9
21	922	11.0			0.74	4.7		29.5	14.0	21.9
21	922	12.0			0.73	4.6		29.5	14.0	21.9
21	922	13.0			0.73	4.6		29.5	14.0	21.9
21	922	14.0			0.73	4.5		29.5	14.0	21.9
21	922	15.0			0.75	4.7		29.5	14.0	21.9
21	922	16.0			0.73	4.6		29.5	14.0	21.9
21	922	17.0	5.1	0.67	0.73	4.6		29.5	14.0	21.9

Fluorometer Calibration: n r^2 A B Syx
 10 0.95 -1.8 8.66 0.4

LOCATION: South San Francisco Bay
DATE: April 5, 1990
JULIAN DAY: 90095

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32.0	703	1.0			0.69	4.8	1.9	27.9	16.3	20.2
32.0	703	2.0			0.69	4.8		27.9	16.3	20.3
32.0	703	3.0			0.69	4.8		27.9	16.3	20.3
32.0	703	4.0			0.68	4.7		27.9	16.2	20.3
32.0	703	5.0			0.70	4.9		27.9	16.2	20.3
32.0	703	6.0			0.70	4.9		27.9	16.2	20.3
32.0	703	7.0			0.71	5.0		27.9	16.2	20.3
32.0	703	8.0			0.72	5.1		27.9	16.2	20.3
32.0	703	9.0	4.3	0.52	0.72	5.1		27.9	16.2	20.3
31.0	721	1.0			0.68	4.7	2.1	28.0	16.1	20.3
31.0	721	2.0			0.68	4.7		28.0	16.1	20.3
31.0	721	3.0			0.68	4.7		28.0	16.1	20.3
31.0	721	4.0			0.69	4.7		28.0	16.1	20.3
31.0	721	5.0			0.69	4.8		28.0	16.1	20.4
31.0	721	6.0			0.70	4.9		28.0	16.1	20.4
31.0	721	7.0			0.71	5.0		28.0	16.0	20.4
31.0	721	8.0			0.72	5.1		28.1	16.0	20.4
31.0	721	9.0			0.73	5.1		28.2	16.0	20.5
31.0	721	10.0			0.73	5.2		28.2	16.0	20.5
31.0	721	11.0			0.73	5.2		28.2	16.0	20.5
31.0	721	12.0			0.73	5.1		28.2	16.0	20.5
31.0	721	13.0			0.73	5.2		28.2	16.0	20.5
31.0	721	14.0			0.74	5.2		28.2	16.0	20.5
31.0	721	15.0			0.76	5.4		28.2	16.0	20.5
30.0	745	1.0	5.7	0.66	0.85	6.4	1.8	28.4	15.9	20.7
30.0	745	2.0			0.85	6.4		28.4	15.9	20.7
30.0	745	3.0			0.85	6.3		28.4	15.9	20.7
30.0	745	4.0			0.83	6.2		28.4	15.9	20.7
30.0	745	5.0			0.83	6.2		28.4	15.9	20.7
30.0	745	6.0			0.82	6.1		28.4	15.9	20.7
30.0	745	7.0			0.86	6.4		28.4	15.9	20.7
30.0	745	8.0			0.84	6.2		28.4	15.9	20.7
30.0	745	9.0			0.86	6.4		28.4	15.9	20.7
30.0	745	10.0			0.84	6.2		28.4	15.9	20.7
30.0	745	11.0			0.83	6.2		28.4	15.9	20.7
30.0	745	12.0			0.83	6.2		28.4	15.9	20.7
30.0	745	13.0			0.82	6.1		28.5	15.9	20.7
30.0	745	14.0	7.4	0.43	0.84	6.2		28.4	15.8	20.8
29.0	818	1.0			0.84	6.2	1.0	28.7	15.8	20.9
29.0	818	2.0			0.84	6.2		28.7	15.8	21.0
29.0	818	3.0			0.86	6.4		28.7	15.8	21.0
29.0	818	4.0			0.87	6.6		28.8	15.8	21.0
29.0	818	5.0			0.89	6.7		28.8	15.8	21.0
29.0	818	6.0			0.93	7.1		28.9	15.8	21.1
29.0	818	7.0			1.01	8.0		28.9	15.8	21.1
29.0	818	8.0			1.02	8.0		28.9	15.8	21.1
29.0	818	9.0			1.07	8.6		29.0	15.8	21.2
29.0	818	10.0			1.12	9.1		29.0	15.7	21.2
29.0	818	11.0			1.18	9.6		29.0	15.7	21.2
29.0	818	12.0			1.28	10.6		29.0	15.7	21.2
29.0	818	13.0			1.30	10.8		29.0	15.7	21.2
29.0	818	14.0			1.36	11.4		29.1	15.7	21.2
29.0	818	15.0			1.45	12.3		29.1	15.7	21.2
28.0	833	1.0			0.92	7.0	1.1	29.0	15.6	21.2
28.0	833	2.0			0.92	7.0		29.0	15.6	21.2
28.0	833	3.0			0.90	6.9		29.0	15.6	21.3
28.0	833	4.0			0.92	7.1		29.0	15.6	21.3
28.0	833	5.0			0.93	7.1		29.0	15.6	21.3
28.0	833	6.0			0.94	7.3		29.0	15.6	21.3
28.0	833	7.0			0.96	7.5		29.1	15.5	21.3
28.0	833	8.0			0.97	7.5		29.1	15.5	21.3

LOCATION: South San Francisco Bay
DATE: April 5, 1990
JULIAN DAY: 90095

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28.0	833	9.0			0.97	7.5		29.1	15.5	21.3
28.0	833	10.0			0.97	7.5		29.1	15.5	21.3
28.0	833	11.0			0.95	7.4		29.1	15.5	21.3
28.0	833	12.0			1.00	7.8		29.1	15.5	21.3
28.0	833	13.0			0.97	7.6		29.1	15.5	21.3
28.0	833	14.0			1.00	7.8		29.1	15.5	21.3
28.0	833	15.0			0.98	7.6		29.1	15.4	21.3
28.0	833	16.0			0.97	7.5		29.1	15.4	21.3
27.0	850	1.0			0.63	4.2	1.1	29.1	15.3	21.4
27.0	850	2.0			0.63	4.2		29.2	15.2	21.4
27.0	850	3.0			0.63	4.1		29.2	15.2	21.4
27.0	850	4.0			0.62	4.1		29.2	15.1	21.5
27.0	850	5.0			0.59	3.8		29.2	15.1	21.5
27.0	850	6.0			0.59	3.8		29.2	15.0	21.5
27.0	850	7.0			0.58	3.7		29.2	15.0	21.5
27.0	850	8.0			0.58	3.7		29.2	15.0	21.5
27.0	850	9.0			0.56	3.4		29.2	15.0	21.5
27.0	850	10.0			0.56	3.4		29.2	15.0	21.5
27.0	850	11.0			0.56	3.4		29.2	15.0	21.5
27.0	850	12.0			0.54	3.3		29.2	15.0	21.5
27.0	850	13.0	4.2	0.62	0.54	3.3		29.2	15.0	21.5
26.0	904	1.0	3.2	0.78	0.56	3.5	1.1	29.3	15.0	21.6
26.0	904	2.0			0.56	3.5		29.3	14.9	21.6
26.0	904	3.0			0.56	3.5		29.4	14.8	21.7
26.0	904	4.0			0.55	3.4		29.4	14.7	21.8
26.0	904	5.0			0.54	3.3		29.5	14.7	21.8
26.0	904	6.0			0.54	3.3		29.5	14.6	21.8
26.0	904	7.0			0.52	3.1		29.4	14.6	21.8
26.0	904	8.0			0.52	3.1		29.4	14.6	21.8
26.0	904	9.0			0.52	3.1		29.5	14.6	21.8
26.0	904	10.0			0.52	3.1		29.5	14.5	21.8
26.0	904	11.0			0.51	3.0		29.5	14.5	21.8
25.0	926	1.0			0.54	3.3	1.3	29.9	14.0	22.3
25.0	926	2.0			0.54	3.3		29.9	14.0	22.3
25.0	926	3.0			0.54	3.3		29.9	14.0	22.3
25.0	926	4.0			0.54	3.3		29.9	14.0	22.3
25.0	926	5.0			0.53	3.2		30.0	14.0	22.3
25.0	926	6.0			0.53	3.2		30.0	14.0	22.3
25.0	926	7.0			0.53	3.2		30.0	14.0	22.3
25.0	926	8.0			0.55	3.4		30.0	14.0	22.3
25.0	926	9.0			0.53	3.2		30.0	14.0	22.3
24.0	941	1.0	2.7	0.71	0.52	3.1	1.0	30.3	13.8	22.6
24.0	941	2.0			0.52	3.1		30.3	13.7	22.6
24.0	941	3.0			0.53	3.1		30.3	13.7	22.6
24.0	941	4.0			0.51	3.0		30.3	13.7	22.6
24.0	941	5.0			0.51	3.0		30.3	13.7	22.7
24.0	941	6.0			0.49	2.8		30.3	13.6	22.7
24.0	941	7.0			0.49	2.8		30.3	13.6	22.7
24.0	941	8.0			0.48	2.7		30.3	13.6	22.7
24.0	941	9.0			0.50	2.9		30.3	13.6	22.7
24.0	941	10.0			0.47	2.6		30.4	13.6	22.7
24.0	941	11.0	2.2	0.41	0.46	2.5		30.4	13.6	22.7
23.0	957	1.0			0.51	3.0	1.0	30.4	13.7	22.7
23.0	957	2.0			0.51	3.0		30.5	13.5	22.8
23.0	957	3.0			0.51	3.0		30.5	13.5	22.8
23.0	957	4.0			0.51	3.0		30.5	13.4	22.8
23.0	957	5.0			0.51	3.0		30.6	13.4	22.9
23.0	957	6.0			0.51	3.0		30.6	13.3	22.9
23.0	957	7.0			0.51	3.0		30.7	13.3	23.0
23.0	957	8.0			0.51	3.0		30.7	13.3	23.0

LOCATION: South San Francisco Bay
 DATE: April 5, 1990
 JULIAN DAY: 90095

STN	TIME	DEPTH	DISCR	CHLa/	FLUOR	CALC	EXCOF	SALIN	TEMP	SIGMT
			CHL a	a+PHA		CHL a				
23.0	957	9.0			0.52	3.0		30.7	13.3	23.0
23.0	957	10.0			0.50	2.9		30.7	13.3	23.0
23.0	957	11.0			0.49	2.8		30.8	13.2	23.1
23.0	957	12.0			0.49	2.8		30.8	13.2	23.1
23.0	957	13.0			0.48	2.7		30.8	13.2	23.1
23.0	957	14.0			0.48	2.7		30.8	13.2	23.1
23.0	957	15.0			0.48	2.7		30.8	13.2	23.1
22.0	1015	1.0			0.45	2.4	0.9	30.8	13.4	23.0
22.0	1015	2.0			0.45	2.4		30.9	13.2	23.2
22.0	1015	3.0			0.47	2.6		30.9	13.1	23.2
22.0	1015	4.0			0.47	2.6		30.9	13.1	23.2
22.0	1015	5.0			0.48	2.7		31.0	13.1	23.3
22.0	1015	6.0			0.47	2.6		31.1	13.0	23.4
22.0	1015	7.0			0.46	2.5		31.2	13.0	23.4
22.0	1015	8.0			0.46	2.5		31.2	12.9	23.5
22.0	1015	9.0			0.46	2.5		31.3	12.9	23.5
22.0	1015	10.0			0.45	2.4		31.3	12.9	23.6
22.0	1015	11.0			0.43	2.2		31.4	12.8	23.6
22.0	1015	12.0			0.43	2.2		31.4	12.8	23.7
22.0	1015	13.0			0.43	2.2		31.5	12.7	23.7
22.0	1015	14.0			0.43	2.2		31.4	12.7	23.7
22.0	1015	15.0			0.46	2.5		31.4	12.7	23.7
22.0	1015	16.0			0.47	2.6		31.4	12.7	23.7
22.0	1015	17.0			0.47	2.6		31.4	12.7	23.7
22.0	1015	18.0			0.51	3.0		31.4	12.7	23.7
22.0	1015	19.0			0.51	3.0		31.4	12.7	23.7
21.0	1027	1.0	3.4	0.69	0.51	3.0	1.1	30.3	14.6	22.4
21.0	1027	2.0			0.51	3.0		30.5	13.8	22.8
21.0	1027	3.0			0.52	3.1		30.6	13.6	22.9
21.0	1027	4.0			0.53	3.2		30.7	13.5	23.0
21.0	1027	5.0			0.52	3.1		30.8	13.4	23.1
21.0	1027	6.0			0.51	3.0		30.9	13.2	23.2
21.0	1027	7.0			0.50	2.9		31.1	13.0	23.4
21.0	1027	8.0			0.49	2.8		31.2	12.9	23.5
21.0	1027	9.0			0.48	2.7		31.3	12.8	23.6
21.0	1027	10.0			0.47	2.6		31.4	12.7	23.7
21.0	1027	11.0			0.46	2.5		31.5	12.6	23.8
21.0	1027	12.0			0.46	2.5		31.5	12.6	23.8
21.0	1027	13.0			0.46	2.5		31.5	12.6	23.8
21.0	1027	14.0			0.46	2.5		31.5	12.6	23.8
21.0	1027	15.0			0.48	2.7		31.5	12.6	23.8
21.0	1027	16.0			0.50	2.9		31.5	12.6	23.8
21.0	1027	17.0			0.49	2.8		31.5	12.6	23.8
21.0	1027	18.0	2.8	0.36	0.50	2.9		31.5	12.6	23.8

Fluorometer Calibration: n r^2 A B Syx
 9 0.83 -2.1 9.90 0.7

LOCATION: South San Francisco Bay
DATE: April 12, 1990
JULIAN DAY: 90102

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32.0	1222	1.0	17.4	0.81	1.58	16.9	2.6	28.0	17.2	20.1
32.0	1222	2.0			1.58	16.9		28.0	17.0	20.1
32.0	1222	3.0			1.63	17.5		28.0	17.0	20.1
32.0	1222	4.0			1.63	17.6		28.0	17.0	20.2
32.0	1222	5.0			1.68	18.2		28.0	17.0	20.2
32.0	1222	6.0			1.73	18.8		28.0	17.0	20.2
32.0	1222	7.0			1.73	18.9		28.0	17.0	20.2
32.0	1222	8.0	20.1	0.59	1.81	20.1		28.0	17.0	20.2
31.0	1210	1.0			1.39	14.2	1.2	27.9	18.0	19.9
31.0	1210	2.0			1.39	14.2		28.0	17.3	20.1
31.0	1210	3.0			1.47	15.4		28.1	17.2	20.2
31.0	1210	4.0			1.51	16.0		28.1	17.3	20.2
31.0	1210	5.0			1.65	17.8		28.3	16.9	20.4
31.0	1210	6.0			1.79	19.8		28.3	16.8	20.4
31.0	1210	7.0			1.78	19.6		28.3	16.7	20.5
31.0	1210	8.0			1.91	21.4		28.4	16.7	20.5
31.0	1210	9.0			2.09	23.8		28.4	16.6	20.5
31.0	1210	10.0			2.27	26.3		28.4	16.6	20.5
31.0	1210	11.0			2.40	28.1		28.4	16.7	20.5
31.0	1210	12.0			2.61	30.9		28.3	16.7	20.5
31.0	1210	13.0			2.73	32.6		28.3	16.7	20.5
31.0	1210	14.0			2.82	33.8		28.3	16.7	20.5
31.0	1210	15.0			2.66	31.6		28.3	16.7	20.5
30.0	1153	1.0	20.7	0.84	1.70	18.5	1.3	28.6	16.8	20.6
30.0	1153	2.0			1.70	18.5		28.4	16.7	20.5
30.0	1153	3.0			1.75	19.1		28.3	16.6	20.5
30.0	1153	4.0			1.73	18.9		28.4	16.5	20.5
30.0	1153	5.0			1.75	19.1		28.4	16.5	20.5
30.0	1153	6.0			1.69	18.4		28.4	16.5	20.5
30.0	1153	7.0			1.73	18.9		28.4	16.4	20.6
30.0	1153	8.0			1.82	20.2		28.4	16.4	20.6
30.0	1153	9.0			1.86	20.7		28.4	16.4	20.6
30.0	1153	10.0			1.98	22.3		28.5	16.4	20.6
30.0	1153	11.0			2.06	23.5		28.5	16.4	20.6
30.0	1153	12.0			2.14	24.4		28.5	16.4	20.6
30.0	1153	13.0			2.23	25.7		28.5	16.4	20.6
30.0	1153	14.0			2.31	26.8		28.5	16.4	20.6
30.0	1153	15.0	26.2	0.75	2.32	27.0		28.5	16.4	20.6
29.0	1132	1.0			1.43	14.8	1.1	28.5	17.4	20.4
29.0	1132	2.0			1.43	14.8		28.5	17.2	20.5
29.0	1132	3.0			1.58	16.9		28.7	16.5	20.8
29.0	1132	4.0			1.92	21.5		28.7	16.3	20.9
29.0	1132	5.0			2.05	23.3		28.8	16.3	20.9
29.0	1132	6.0			2.10	24.0		28.8	16.3	20.9
29.0	1132	7.0			2.20	25.4		28.8	16.3	20.9
29.0	1132	8.0			2.25	26.0		28.8	16.2	20.9
29.0	1132	9.0			2.37	27.7		28.8	16.2	21.0
29.0	1132	10.0			2.43	28.4		28.8	16.2	21.0
29.0	1132	11.0			2.56	30.2		28.9	16.2	21.0
29.0	1132	12.0			2.62	31.0		28.9	16.2	21.0
29.0	1132	13.0			2.70	32.2		28.9	16.2	21.0
29.0	1132	14.0			2.80	33.4		28.9	16.2	21.0
29.0	1132	15.0			2.90	34.9		28.9	16.2	21.0
28.0	1117	1.0			2.29	26.5	1.2	28.8	16.4	20.9
28.0	1117	2.0			2.29	26.5		28.9	16.2	21.0
28.0	1117	3.0			2.41	28.2		28.9	16.1	21.0
28.0	1117	4.0			2.58	30.4		28.9	16.0	21.1
28.0	1117	5.0			2.64	31.3		28.9	16.0	21.0
28.0	1117	6.0			2.75	32.8		28.9	16.0	21.0
28.0	1117	7.0			2.67	31.8		28.9	16.0	21.0
28.0	1117	8.0			2.61	31.0		28.9	16.0	21.0

LOCATION: South San Francisco Bay
DATE: April 12, 1990
JULIAN DAY: 90102

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28.0	1117	9.0			2.62	31.1		28.9	16.0	21.0
28.0	1117	10.0			2.66	31.6		28.9	16.0	21.0
28.0	1117	11.0			2.76	32.9		28.9	16.0	21.1
28.0	1117	12.0			2.71	32.3		28.9	16.0	21.1
28.0	1117	13.0			2.85	34.2		28.9	16.0	21.1
28.0	1117	14.0			3.00	36.2		28.9	16.0	21.1
27.0	1103	1.0	14.0	0.88	2.13	24.3	1.1	28.8	16.5	20.9
27.0	1103	2.0			2.13	24.3		28.8	16.4	20.9
27.0	1103	3.0			2.25	26.0		28.8	16.3	20.9
27.0	1103	4.0			2.34	27.2		28.9	16.2	21.0
27.0	1103	5.0			2.39	27.9		28.9	16.2	21.0
27.0	1103	6.0			2.48	29.2		28.8	16.3	21.0
27.0	1103	7.0			2.43	28.4		28.8	16.3	20.9
27.0	1103	8.0			2.55	30.1		28.9	16.2	21.0
27.0	1103	9.0			2.65	31.4		28.9	16.2	21.0
27.0	1103	10.0			2.74	32.7		28.9	16.2	21.0
27.0	1103	11.0			2.91	35.0		28.9	16.2	21.0
27.0	1103	12.0	40.8	0.78	2.90	34.8		28.9	16.2	21.0
26.0	1051	1.0			2.81	33.6	1.1	28.9	16.4	21.0
26.0	1051	2.0			2.81	33.6		29.0	16.3	21.1
26.0	1051	3.0			2.89	34.7		29.0	16.2	21.1
26.0	1051	4.0			2.96	35.7		29.0	16.2	21.1
26.0	1051	5.0			2.94	35.4		29.0	16.1	21.1
26.0	1051	6.0			2.92	35.1		29.0	16.1	21.1
26.0	1051	7.0			3.01	36.3		29.0	16.1	21.1
26.0	1051	8.0			3.01	36.3		29.0	16.1	21.1
26.0	1051	9.0			3.07	37.2		29.0	16.1	21.1
26.0	1051	10.0			3.09	37.4		29.0	16.1	21.1
25.0	1033	1.0			1.53	16.1	1.0	29.3	16.0	21.4
25.0	1033	2.0			1.53	16.1		29.4	15.7	21.5
25.0	1033	3.0			1.62	17.4		29.4	15.6	21.5
25.0	1033	4.0			1.65	17.8		29.4	15.6	21.5
25.0	1033	5.0			1.72	18.8		29.4	15.6	21.5
25.0	1033	6.0			1.74	19.1		29.4	15.6	21.5
25.0	1033	7.0			1.76	19.3		29.4	15.6	21.5
25.0	1033	8.0			1.81	20.0		29.3	15.6	21.5
24.0	1018	1.0	6.7	0.75	0.67	4.4	0.9	29.6	15.5	21.7
24.0	1018	2.0			0.67	4.4		29.7	15.3	21.8
24.0	1018	3.0			0.70	4.9		29.7	15.3	21.8
24.0	1018	4.0			0.73	5.2		29.7	15.3	21.8
24.0	1018	5.0			0.79	6.1		29.7	15.3	21.8
24.0	1018	6.0			0.78	6.0		29.7	15.3	21.8
24.0	1018	7.0			0.77	5.7		29.7	15.3	21.8
24.0	1018	8.0			0.76	5.7		29.7	15.3	21.8
24.0	1018	9.0			0.79	6.0		29.6	15.3	21.8
24.0	1018	10.0	7.4	0.71	0.79	6.1		29.6	15.3	21.8
23.0	1001	1.0			0.82	6.5	0.9	29.6	15.6	21.7
23.0	1001	2.0			0.82	6.5		29.6	15.4	21.7
23.0	1001	3.0			0.85	6.9		29.6	15.4	21.8
23.0	1001	4.0			0.83	6.6		29.7	15.3	21.8
23.0	1001	5.0			0.82	6.5		29.7	15.3	21.8
23.0	1001	6.0			0.77	5.8		29.8	15.2	21.9
23.0	1001	7.0			0.75	5.6		29.8	15.2	21.9
23.0	1001	8.0			0.70	4.8		29.9	15.1	22.0
23.0	1001	9.0			0.67	4.4		30.0	15.0	22.1
23.0	1001	10.0			0.62	3.8		30.0	15.0	22.1
23.0	1001	11.0			0.60	3.5		30.0	15.0	22.1
23.0	1001	12.0			0.59	3.3		30.0	15.0	22.1
23.0	1001	13.0			0.61	3.6		30.0	15.0	22.1
23.0	1001	14.0			0.61	3.6		30.0	15.0	22.1

LOCATION: South San Francisco Bay
 DATE: April 12, 1990
 JULIAN DAY: 90102

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
23.0	1001	15.0			0.60	3.5		30.0	15.0	22.1
22.0	938	1.0			0.67	4.5	0.8	29.7	15.3	21.9
22.0	938	2.0			0.67	4.5		29.8	15.2	21.9
22.0	938	3.0			0.67	4.4		30.0	15.1	22.1
22.0	938	4.0			0.62	3.7		30.0	15.0	22.1
22.0	938	5.0			0.61	3.6		30.1	14.9	22.2
22.0	938	6.0			0.59	3.3		30.1	14.9	22.2
22.0	938	7.0			0.57	3.1		30.1	14.9	22.2
22.0	938	8.0			0.56	2.9		30.2	14.8	22.3
22.0	938	9.0			0.54	2.7		30.2	14.8	22.3
22.0	938	10.0			0.55	2.8		30.3	14.7	22.4
22.0	938	11.0			0.52	2.4		30.3	14.7	22.4
22.0	938	12.0			0.51	2.2		30.3	14.7	22.4
22.0	938	13.0			0.51	2.3		30.3	14.7	22.4
22.0	938	14.0			0.53	2.6		30.3	14.7	22.4
22.0	938	15.0			0.55	2.8		30.3	14.7	22.4
22.0	938	16.0			0.56	3.0		30.3	14.7	22.4
21.0	921	1.0	4.4	0.76	0.69	4.7	1.5	29.4	16.3	21.4
21.0	921	2.0			0.69	4.7		29.4	16.1	21.5
21.0	921	3.0			0.69	4.7		29.5	16.0	21.5
21.0	921	4.0			0.66	4.3		29.6	15.7	21.6
21.0	921	5.0			0.64	4.1		29.6	15.6	21.7
21.0	921	6.0			0.62	3.7		29.7	15.4	21.8
21.0	921	7.0			0.61	3.6		29.8	15.3	21.9
21.0	921	8.0			0.60	3.4		29.8	15.3	21.9
21.0	921	9.0			0.59	3.3		29.9	15.2	22.0
21.0	921	10.0			0.59	3.3		30.0	15.1	22.1
21.0	921	11.0			0.56	2.9		30.0	15.1	22.1
21.0	921	12.0			0.56	3.0		30.0	15.1	22.1
21.0	921	13.0			0.56	3.0		30.0	15.0	22.1
21.0	921	14.0			0.55	2.8		30.0	15.0	22.1
21.0	921	15.0			0.54	2.6		30.0	15.0	22.1
21.0	921	16.0			0.54	2.7		30.0	15.0	22.1
21.0	921	17.0	3.4	0.53	0.66	4.4		30.0	15.0	22.1

Fluorometer Calibration: n r² A B Syx
 10 0.87 -4.7 13.63 4.4

LOCATION: South San Francisco Bay
DATE: April 18, 1990
JULIAN DAY: 90108

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
32.0	735	1.0	61.5	0.86	5.32	69.5	1.6	28.2	17.6	20.1
32.0	735	2.0			5.32	69.5		28.2	17.6	20.1
32.0	735	3.0			5.26	68.7		28.2	17.6	20.1
32.0	735	4.0			5.20	67.9		28.2	17.5	20.2
32.0	735	5.0			5.08	66.2		28.2	17.5	20.2
32.0	735	6.0			5.16	67.3		28.3	17.4	20.3
32.0	735	7.0			5.23	68.3		28.3	17.3	20.3
32.0	735	8.0			5.18	67.6		28.4	17.4	20.3
32.0	735	9.0	77.4	0.81	5.26	68.6		28.4	17.4	20.3
31.0	750	1.0			4.02	51.5	1.5	28.4	17.3	20.4
31.0	750	2.0			4.02	51.5		28.4	17.3	20.4
31.0	750	3.0			3.97	50.8		28.4	17.3	20.4
31.0	750	4.0			3.98	50.9		28.4	17.3	20.4
31.0	750	5.0			3.93	50.3		28.4	17.4	20.4
31.0	750	6.0			3.85	49.1		28.5	17.3	20.5
31.0	750	7.0			3.62	46.0		28.5	17.3	20.5
31.0	750	8.0			3.55	45.0		28.6	17.3	20.5
31.0	750	9.0			3.58	45.4		28.6	17.3	20.5
31.0	750	10.0			3.55	44.9		28.6	17.3	20.5
31.0	750	11.0			3.49	44.2		28.6	17.3	20.5
31.0	750	12.0			3.46	43.8		28.6	17.3	20.5
31.0	750	13.0			3.41	43.0		28.6	17.3	20.5
31.0	750	14.0			3.32	41.8		28.6	17.3	20.6
31.0	750	15.0			3.34	42.1		28.6	17.3	20.6
30.0	808	1.0	37.0	0.79	2.97	37.0	1.4	28.6	17.1	20.6
30.0	808	2.0			2.97	37.0		28.6	17.1	20.6
30.0	808	3.0			2.98	37.0		28.6	17.1	20.6
30.0	808	4.0			2.98	37.1		28.6	17.1	20.6
30.0	808	5.0			2.94	36.5		28.6	17.1	20.6
30.0	808	6.0			2.90	36.0		28.6	17.1	20.6
30.0	808	7.0			2.86	35.5		28.6	17.1	20.6
30.0	808	8.0			2.86	35.4		28.6	17.1	20.6
30.0	808	9.0			2.87	35.6		28.7	17.1	20.6
30.0	808	10.0			2.79	34.4		28.7	17.1	20.7
30.0	808	11.0			2.74	33.7		28.7	17.1	20.7
30.0	808	12.0			2.63	32.2		28.8	17.1	20.7
30.0	808	13.0			2.64	32.4		28.8	17.1	20.7
30.0	808	14.0			2.62	32.0		28.8	17.1	20.7
30.0	808	15.0			2.58	31.6		28.8	17.2	20.7
30.0	808	16.0	30.8	0.80	2.61	31.9		28.8	17.2	20.7
29.0	835	1.0	24.7	0.74	2.09	24.7	0.9	29.1	17.0	21.0
29.0	835	2.0			2.09	24.7		29.1	17.0	21.0
29.0	835	3.0			2.09	24.8		29.1	17.0	21.0
29.0	835	4.0			2.07	24.5		29.1	17.1	21.0
29.0	835	5.0			2.03	24.0		29.1	17.1	21.0
29.0	835	6.0			1.98	23.2		29.1	17.1	21.0
29.0	835	7.0			1.95	22.9		29.2	17.1	21.0
29.0	835	8.0			1.83	21.2		29.2	17.1	21.0
29.0	835	9.0			1.83	21.1		29.2	17.1	21.1
29.0	835	10.0			1.79	20.6		29.2	17.1	21.1
29.0	835	11.0			1.73	19.7		29.2	17.1	21.1
29.0	835	12.0			1.71	19.4		29.2	17.1	21.1
29.0	835	13.0			1.68	19.0		29.3	17.0	21.1
29.0	835	14.0			1.66	18.7		29.3	17.0	21.1
29.0	835	15.0			1.65	18.6		29.3	17.0	21.1
28.0	854	1.0			1.79	20.7	0.8	29.1	16.9	21.0
28.0	854	2.0			1.79	20.7		29.1	16.9	21.0
28.0	854	3.0			1.70	19.4		29.1	16.9	21.0
28.0	854	4.0			1.68	19.1		29.1	16.9	21.0
28.0	854	5.0			1.63	18.4		29.1	16.9	21.0
28.0	854	6.0			1.66	18.8		29.3	17.0	21.2

LOCATION: South San Francisco Bay
DATE: April 18, 1990
JULIAN DAY: 90108

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
28.0	854	7.0			1.64	18.5		29.5	16.9	21.3
28.0	854	8.0			1.68	19.0		29.5	16.8	21.3
28.0	854	9.0			1.70	19.4		29.5	16.7	21.3
28.0	854	10.0			1.69	19.2		29.5	16.7	21.3
28.0	854	11.0			1.72	19.7		29.5	16.7	21.3
28.0	854	12.0			1.77	20.4		29.5	16.6	21.3
28.0	854	13.0			1.81	20.9		29.5	16.6	21.4
28.0	854	14.0			1.91	22.3		29.5	16.6	21.4
28.0	854	15.0			1.95	22.8		29.5	16.6	21.4
28.0	854	16.0			1.99	23.3		29.5	16.6	21.4
27.0	907	1.0	13.7	0.75	1.38	14.9	0.8	29.5	16.6	21.4
27.0	907	2.0			1.38	14.9		29.5	16.6	21.4
27.0	907	3.0			1.38	14.9		29.5	16.6	21.4
27.0	907	4.0			1.40	15.2		29.5	16.6	21.4
27.0	907	5.0			1.38	14.9		29.5	16.6	21.4
27.0	907	6.0			1.34	14.4		29.5	16.6	21.4
27.0	907	7.0			1.33	14.3		29.5	16.6	21.4
27.0	907	8.0			1.33	14.3		29.5	16.6	21.4
27.0	907	9.0			1.31	13.9		29.5	16.5	21.4
27.0	907	10.0			1.32	14.1		29.5	16.5	21.4
27.0	907	11.0			1.32	14.2		29.5	16.5	21.4
27.0	907	12.0			1.31	14.0		29.5	16.5	21.4
27.0	907	13.0			1.30	13.8		29.5	16.5	21.4
26.0	926	1.0			1.43	15.6	0.7	29.6	16.4	21.5
26.0	926	2.0			1.43	15.6		29.6	16.4	21.5
26.0	926	3.0			1.43	15.6		29.6	16.4	21.5
26.0	926	4.0			1.40	15.3		29.6	16.4	21.5
26.0	926	5.0			1.36	14.6		29.6	16.4	21.5
26.0	926	6.0			1.38	14.9		29.6	16.4	21.5
26.0	926	7.0			1.34	14.3		29.6	16.4	21.5
26.0	926	8.0			1.34	14.4		29.7	16.4	21.6
26.0	926	9.0			1.31	13.9		29.7	16.4	21.6
26.0	926	10.0			1.26	13.3		29.7	16.4	21.6
25.0	943	1.0	15.9	0.81	1.40	15.2	0.8	29.9	16.0	21.8
25.0	943	2.0			1.40	15.2		29.9	16.0	21.8
25.0	943	3.0			1.39	15.1		29.8	16.1	21.8
25.0	943	4.0			1.39	15.0		29.9	16.1	21.8
25.0	943	5.0			1.38	15.0		29.9	16.0	21.8
25.0	943	6.0			1.36	14.6		29.9	16.0	21.9
25.0	943	7.0			1.34	14.3		30.0	16.0	21.9
25.0	943	8.0			1.33	14.3		30.0	16.0	21.9
24.0	1004	1.0			0.91	8.4	0.6	30.0	15.7	22.0
24.0	1004	2.0			0.91	8.4		30.0	15.7	22.0
24.0	1004	3.0			0.89	8.2		30.0	15.7	22.0
24.0	1004	4.0			0.86	7.7		30.0	15.7	22.0
24.0	1004	5.0			0.85	7.6		30.1	15.7	22.0
24.0	1004	6.0			0.87	7.9		30.0	15.7	22.0
24.0	1004	7.0			0.88	8.0		30.0	15.7	22.0
24.0	1004	8.0			0.82	7.2		30.1	15.6	22.1
24.0	1004	9.0			0.80	6.9		30.1	15.6	22.1
24.0	1004	10.0			0.76	6.4		30.1	15.6	22.1
24.0	1004	11.0			0.74	6.0		30.2	15.6	22.1
23.0	1022	1.0	6.3	0.72	0.80	6.8	0.5	30.1	15.5	22.1
23.0	1022	2.0			0.80	6.8		30.1	15.5	22.1
23.0	1022	3.0			0.77	6.4		30.2	15.4	22.2
23.0	1022	4.0			0.73	5.9		30.2	15.4	22.2
23.0	1022	5.0			0.73	5.9		30.3	15.3	22.3
23.0	1022	6.0			0.69	5.4		30.3	15.3	22.3
23.0	1022	7.0			0.68	5.2		30.4	15.3	22.3
23.0	1022	8.0			0.66	5.0		30.4	15.3	22.4

LOCATION: South San Francisco Bay
 DATE: April 18, 1990
 JULIAN DAY: 90108

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
23.0	1022	9.0			0.65	4.8		30.4	15.3	22.4
23.0	1022	10.0			0.64	4.6		30.4	15.2	22.4
23.0	1022	11.0			0.60	4.1		30.4	15.2	22.4
23.0	1022	12.0			0.60	4.1		30.4	15.2	22.4
23.0	1022	13.0			0.58	3.8		30.4	15.2	22.4
23.0	1022	14.0			0.57	3.7		30.4	15.2	22.4
23.0	1022	15.0			0.58	3.8		30.4	15.2	22.4
23.0	1022	16.0	4.9	0.61	0.56	3.6		30.4	15.2	22.4
22.0	1044	1.0			0.50	2.7	0.6	30.6	15.0	22.6
22.0	1044	2.0			0.50	2.7		30.6	15.0	22.6
22.0	1044	3.0			0.51	2.9		30.6	15.0	22.6
22.0	1044	4.0			0.51	2.9		30.6	15.0	22.6
22.0	1044	5.0			0.51	2.9		30.6	15.0	22.6
22.0	1044	6.0			0.51	2.8		30.6	15.0	22.6
22.0	1044	7.0			0.50	2.7		30.6	15.0	22.6
22.0	1044	8.0			0.49	2.6		30.6	15.0	22.6
22.0	1044	9.0			0.48	2.5		30.6	15.0	22.6
22.0	1044	10.0			0.46	2.2		30.6	15.0	22.6
22.0	1044	11.0			0.47	2.3		30.6	15.0	22.6
22.0	1044	12.0			0.45	2.1		30.6	15.0	22.6
22.0	1044	13.0			0.47	2.3		30.6	15.0	22.6
22.0	1044	14.0			0.46	2.2		30.6	15.0	22.6
22.0	1044	15.0			0.47	2.3		30.6	15.0	22.6
22.0	1044	16.0			0.47	2.3		30.6	15.0	22.6
22.0	1044	17.0			0.51	2.9		30.6	15.0	22.6
21.0	1057	1.0	5.1	0.73	0.61	4.2	0.7	30.3	15.3	22.3
21.0	1057	2.0			0.61	4.2		30.4	15.2	22.4
21.0	1057	3.0			0.59	4.0		30.5	15.1	22.5
21.0	1057	4.0			0.60	4.1		30.6	15.1	22.5
21.0	1057	5.0			0.59	4.0		30.6	15.0	22.6
21.0	1057	6.0			0.58	3.8		30.6	15.0	22.6
21.0	1057	7.0			0.57	3.8		30.6	15.0	22.6
21.0	1057	8.0			0.56	3.6		30.6	15.0	22.6
21.0	1057	9.0			0.57	3.7		30.6	15.0	22.6
21.0	1057	10.0			0.56	3.6		30.6	15.0	22.6
21.0	1057	11.0			0.54	3.4		30.6	15.0	22.6
21.0	1057	12.0			0.55	3.4		30.6	15.0	22.6
21.0	1057	13.0			0.55	3.4		30.6	15.0	22.6
21.0	1057	14.0			0.55	3.4		30.6	15.0	22.6
21.0	1057	15.0			0.62	4.4		30.6	15.0	22.6
21.0	1057	16.0			0.61	4.3		30.6	15.0	22.6
21.0	1057	17.0			0.62	4.4		30.6	15.0	22.6
21.0	1057	18.0	4.2	0.60	0.64	4.7		30.6	15.0	22.6

Fluorometer Calibration: n r² A B Syx
 11 0.98 -4.2 13.85 4.0

LOCATION: North San Francisco Bay
 DATE: April 19, 1990
 JULIAN DAY: 90109

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657.0	2006	1.0	2.1	0.61	0.43	1.1		0.1	17.3	0.0
657.0	2006	2.0			0.43	1.1		0.1	17.2	0.0
657.0	2006	3.0			0.43	1.1		0.1	17.2	0.0
657.0	2006	4.0			0.43	1.1		0.1	17.2	0.0
657.0	2006	5.0			0.44	1.1		0.1	17.3	0.0
657.0	2006	6.0			0.44	1.1		0.1	17.3	0.0
657.0	2006	7.0			0.45	1.2		0.1	17.3	0.0
657.0	2006	8.0			0.44	1.2		0.1	17.3	0.0
657.0	2006	9.0			0.45	1.3		0.1	17.3	0.0
657.0	2006	10.0	2.0	0.48	0.45	1.3		0.1	17.3	0.0
653.0	1937	1.0			0.45	1.3	1.9	0.2	17.2	0.0
653.0	1937	2.0			0.45	1.3		0.2	17.2	0.0
653.0	1937	3.0			0.45	1.2		0.2	17.2	0.0
653.0	1937	4.0			0.45	1.3		0.2	17.2	0.0
653.0	1937	5.0			0.45	1.3		0.2	17.2	0.0
653.0	1937	6.0			0.45	1.3		0.2	17.2	0.0
653.0	1937	7.0			0.46	1.3		0.2	17.3	0.0
653.0	1937	8.0			0.46	1.4		0.2	17.3	0.0
653.0	1937	9.0			0.48	1.6		0.2	17.4	0.0
653.0	1937	10.0			0.49	1.7		0.2	17.4	0.0
649.0	1906	1.0			0.55	2.3	2.3	0.3	17.3	0.0
649.0	1906	2.0			0.55	2.3		0.3	17.3	0.0
649.0	1906	3.0			0.54	2.3		0.3	17.3	0.0
649.0	1906	4.0			0.55	2.3		0.3	17.3	0.0
649.0	1906	5.0			0.55	2.4		0.4	17.4	0.0
649.0	1906	6.0			0.56	2.4		0.4	17.5	0.0
649.0	1906	7.0			0.57	2.5		0.3	17.5	0.0
649.0	1906	8.0			0.57	2.6		0.3	17.7	0.0
649.0	1906	9.0			0.58	2.7		0.3	17.9	0.0
649.0	1906	10.0			0.59	2.8		0.3	18.2	0.0
649.0	1906	11.0			0.59	2.8		0.3	18.3	0.0
2.0	1843	1.0	2.7	0.59	0.57	2.6	3.1	1.4	17.5	0.0
2.0	1843	2.0			0.57	2.6		1.4	17.5	0.0
2.0	1843	3.0			0.57	2.6		1.4	17.5	0.0
2.0	1843	4.0			0.57	2.5		1.5	17.5	0.0
2.0	1843	5.0			0.57	2.6		1.9	17.8	0.1
2.0	1843	6.0			0.57	2.6		2.0	17.8	0.2
2.0	1843	7.0			0.58	2.6		2.1	17.8	0.2
2.0	1843	8.0			0.58	2.6		2.3	17.9	0.4
2.0	1843	9.0			0.57	2.6		2.4	17.8	0.5
2.0	1843	10.0			0.56	2.4		2.7	17.7	0.7
2.0	1843	11.0	1.1	0.21	0.54	2.3		2.8	17.7	0.8
3.0	1824	1.0	1.9	0.41	0.54	2.3	2.9	1.8	17.5	0.1
3.0	1824	2.0			0.54	2.3		1.8	17.5	0.0
3.0	1824	3.0			0.54	2.3		1.8	17.6	0.0
3.0	1824	4.0			0.55	2.3		1.9	17.6	0.1
3.0	1824	5.0			0.55	2.3		2.1	17.7	0.3
3.0	1824	6.0			0.55	2.4		2.3	17.7	0.4
3.0	1824	7.0			0.55	2.4		2.3	17.7	0.4
3.0	1824	8.0			0.55	2.4		2.5	17.7	0.5
3.0	1824	9.0			0.55	2.4		2.5	17.7	0.6
3.0	1824	10.0			0.54	2.3		2.5	17.7	0.6
3.0	1824	11.0			0.53	2.1		2.5	17.7	0.6
3.0	1824	12.0			0.53	2.1		2.7	17.8	0.7
3.0	1824	13.0			0.52	2.0		2.8	17.8	0.8
4.0	1757	1.0	0.8	0.42	0.51	1.9	4.0	3.1	17.6	1.1
4.0	1757	2.0			0.51	1.9		3.2	17.6	1.1
4.0	1757	3.0			0.51	1.9		3.2	17.5	1.1
4.0	1757	4.0			0.51	1.9		3.4	17.5	1.3
4.0	1757	5.0			0.52	2.0		3.6	17.5	1.4

LOCATION: North San Francisco Bay
 DATE: April 19, 1990
 JULIAN DAY: 90109

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
4.0	1757	6.0			0.52	2.0		3.7	17.5	1.5
4.0	1757	7.0			0.52	2.0		4.1	17.6	1.8
4.0	1757	8.0			0.52	2.0		4.4	17.7	2.0
4.0	1757	9.0			0.53	2.1		5.4	18.0	2.7
5.0	1733	1.0	0.6	0.19	0.47	1.5	3.8	4.4	17.7	2.1
5.0	1733	2.0			0.47	1.5		4.4	17.6	2.1
5.0	1733	3.0			0.47	1.5		4.5	17.6	2.1
5.0	1733	4.0			0.48	1.5		4.5	17.6	2.1
5.0	1733	5.0			0.48	1.6		4.5	17.6	2.1
5.0	1733	6.0			0.48	1.6		4.6	17.6	2.2
5.0	1733	7.0			0.48	1.6		4.7	17.5	2.3
5.0	1733	8.0			0.48	1.6		4.7	17.5	2.3
5.0	1733	9.0			0.48	1.6		4.7	17.5	2.3
5.0	1733	10.0			0.47	1.4		4.8	17.5	2.4
5.0	1733	11.0			0.45	1.2		4.8	17.5	2.4
6.0	1700	1.0			0.44	1.2	3.5	6.6	17.6	3.7
6.0	1700	2.0			0.44	1.2		6.8	17.6	3.9
6.0	1700	3.0			0.44	1.2		7.0	17.6	4.0
6.0	1700	4.0			0.44	1.1		7.1	17.6	4.1
6.0	1700	5.0			0.44	1.1		7.4	17.6	4.3
6.0	1700	6.0			0.44	1.2		7.6	17.6	4.5
6.0	1700	7.0			0.44	1.1		7.9	17.6	4.7
6.0	1700	8.0			0.44	1.2		8.1	17.6	4.9
6.0	1700	9.0			0.44	1.1		8.3	17.6	5.0
7.0	1631	1.0	0.4	0.19	0.42	0.9	3.4	10.0	17.3	6.4
7.0	1631	2.0			0.42	0.9		10.1	17.3	6.4
7.0	1631	3.0			0.42	0.9		10.1	17.3	6.5
7.0	1631	4.0			0.42	0.9		10.2	17.3	6.5
7.0	1631	5.0			0.43	1.0		10.4	17.2	6.7
7.0	1631	6.0			0.43	1.0		10.7	17.2	6.9
7.0	1631	7.0			0.43	1.1		10.9	17.2	7.0
7.0	1631	8.0			0.43	1.1		10.9	17.2	7.1
7.0	1631	9.0			0.44	1.1		11.0	17.2	7.1
7.0	1631	10.0			0.43	1.1		11.0	17.2	7.1
7.0	1631	11.0			0.43	1.0		11.0	17.2	7.1
8.0	1602	1.0			0.49	1.7	5.3	11.4	17.0	7.5
8.0	1602	2.0			0.49	1.7		11.9	16.9	7.9
8.0	1602	3.0			0.48	1.6		12.4	16.9	8.2
8.0	1602	4.0			0.48	1.5		12.6	16.9	8.4
8.0	1602	5.0			0.47	1.5		12.7	16.9	8.5
8.0	1602	6.0			0.47	1.4		12.9	16.9	8.6
8.0	1602	7.0			0.46	1.3		13.6	16.8	9.2
8.0	1602	8.0			0.46	1.3		13.8	16.8	9.4
8.0	1602	9.0			0.46	1.3		14.0	16.8	9.5
8.0	1602	10.0			0.45	1.2		14.0	16.8	9.5
8.0	1602	11.0			0.43	1.1		14.0	16.8	9.5
9.0	1536	1.0	0.8	0.26	0.45	1.3	3.5	13.8	16.9	9.3
9.0	1536	2.0			0.45	1.3		13.9	16.9	9.4
9.0	1536	3.0			0.45	1.3		13.9	16.8	9.4
9.0	1536	4.0			0.45	1.3		14.0	16.8	9.5
9.0	1536	5.0			0.45	1.3		14.0	16.8	9.5
9.0	1536	6.0			0.45	1.3		14.0	16.8	9.5
9.0	1536	7.0			0.45	1.3		14.1	16.8	9.6
9.0	1536	8.0			0.45	1.3		14.1	16.8	9.6
9.0	1536	9.0			0.45	1.3		14.1	16.8	9.6
9.0	1536	10.0			0.44	1.2		14.1	16.8	9.6
9.0	1536	11.0			0.43	1.1		14.2	16.8	9.6
9.0	1536	12.0			0.43	1.0		14.2	16.8	9.7
9.0	1536	13.0			0.42	0.9		14.3	16.8	9.7
9.0	1536	14.0			0.41	0.9		14.3	16.8	9.7

LOCATION: North San Francisco Bay
 DATE: April 19, 1990
 JULIAN DAY: 90109

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9.0	1536	15.0			0.41	0.8		14.3	16.8	9.8
9.0	1536	16.0			0.41	0.8		14.3	16.8	9.8
9.0	1536	17.0			0.41	0.8		14.4	16.8	9.8
9.0	1536	18.0			0.41	0.8		14.5	16.7	9.9
9.0	1536	19.0			0.40	0.8		14.6	16.7	10.0
9.0	1536	20.0			0.40	0.7		14.8	16.7	10.2
9.0	1536	21.0			0.40	0.7		15.1	16.7	10.4
9.0	1536	22.0			0.40	0.7		16.1	16.7	11.1
9.0	1536	23.0			0.40	0.7		16.7	16.7	11.6
9.0	1536	24.0			0.40	0.7		17.1	16.7	11.9
9.0	1536	25.0			0.40	0.7		17.1	16.7	11.9
10.0	1517	1.0			0.43	1.0	4.1	15.2	16.7	10.4
10.0	1517	2.0			0.43	1.0		15.2	16.7	10.4
10.0	1517	3.0			0.43	1.1		15.2	16.7	10.5
10.0	1517	4.0			0.43	1.1		15.2	16.7	10.5
10.0	1517	5.0			0.44	1.1		15.3	16.7	10.5
10.0	1517	6.0			0.44	1.1		15.3	16.7	10.5
10.0	1517	7.0			0.44	1.2		15.4	16.6	10.6
10.0	1517	8.0			0.44	1.2		15.7	16.6	10.8
10.0	1517	9.0			0.44	1.2		15.6	16.6	10.8
10.0	1517	10.0			0.44	1.1		16.2	16.6	11.3
10.0	1517	11.0			0.43	1.0		17.7	16.6	12.3
10.0	1517	12.0			0.42	0.9		18.4	16.6	12.9
10.0	1517	13.0			0.42	0.9		18.7	16.6	13.1
10.0	1517	14.0			0.41	0.8		19.0	16.6	13.3
10.0	1517	15.0			0.41	0.8		19.6	16.6	13.8
10.0	1517	16.0			0.41	0.8		19.7	16.6	13.9
10.0	1517	17.0			0.41	0.8		19.9	16.6	14.1
10.0	1517	18.0			0.40	0.8		20.3	16.6	14.3
10.0	1517	19.0			0.40	0.7		20.5	16.5	14.6
11.0	1438	1.0	0.8	0.28	0.41	0.8	3.1	19.1	16.5	13.4
11.0	1438	2.0			0.41	0.8		19.8	16.5	14.0
11.0	1438	3.0			0.41	0.8		20.0	16.5	14.1
11.0	1438	4.0			0.41	0.8		20.1	16.5	14.2
11.0	1438	5.0			0.41	0.8		20.6	16.5	14.6
11.0	1438	6.0			0.41	0.8		21.1	16.5	14.9
11.0	1438	7.0			0.41	0.8		21.3	16.5	15.1
11.0	1438	8.0			0.41	0.9		21.4	16.5	15.2
11.0	1438	9.0			0.42	0.9		21.5	16.5	15.3
11.0	1438	10.0			0.41	0.9		21.5	16.5	15.3
11.0	1438	11.0			0.41	0.8		21.7	16.5	15.4
11.0	1438	12.0			0.41	0.8		22.0	16.4	15.7
11.0	1438	13.0			0.41	0.8		22.2	16.4	15.8
13.0	1337	1.0	0.5	0.32	0.35	0.2	1.6	23.3	16.3	16.7
13.0	1337	2.0			0.35	0.2		23.9	16.1	17.2
13.0	1337	3.0			0.36	0.2		24.3	16.0	17.5
13.0	1337	4.0			0.35	0.2		24.6	16.0	17.8
13.0	1337	5.0			0.35	0.2		25.0	15.9	18.1
13.0	1337	6.0			0.36	0.2		25.4	15.8	18.4
13.0	1337	7.0			0.36	0.2		25.8	15.8	18.7
13.0	1337	8.0			0.36	0.3		26.0	15.7	18.9
13.0	1337	9.0			0.37	0.4		26.7	15.6	19.4
13.0	1337	10.0			0.37	0.3		26.9	15.5	19.6
13.0	1337	11.0			0.35	0.1		27.0	15.5	19.7
13.0	1337	12.0	1.0	0.36	0.35	0.2		27.0	15.5	19.7
15.0	1242	1.0	5.9	0.73	0.78	4.9	1.1	24.9	16.0	18.0
15.0	1242	2.0			0.78	4.9		26.0	16.0	18.9
15.0	1242	3.0			0.77	4.7		26.5	15.8	19.2
15.0	1242	4.0			0.70	3.9		27.1	15.6	19.8
15.0	1242	5.0			0.62	3.1		27.5	15.4	20.1
15.0	1242	6.0			0.58	2.6		27.6	15.4	20.2

LOCATION: North San Francisco Bay
 DATE: April 19, 1990
 JULIAN DAY: 90109

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
15.0	1242	7.0			0.53	2.1		27.7	15.4	20.2
15.0	1242	8.0			0.49	1.7		27.7	15.4	20.3
15.0	1242	9.0			0.47	1.4		27.7	15.4	20.3
15.0	1242	10.0			0.44	1.1		27.7	15.3	20.3
15.0	1242	11.0			0.40	0.8		27.8	15.3	20.4
15.0	1242	12.0			0.38	0.5		27.9	15.3	20.5
15.0	1242	13.0			0.37	0.4		28.0	15.3	20.6
15.0	1242	14.0			0.37	0.4		28.1	15.3	20.6
15.0	1242	15.0			0.37	0.4		28.2	15.2	20.7
15.0	1242	16.0			0.38	0.5		28.3	15.2	20.8
15.0	1242	17.0			0.38	0.5		28.6	15.2	21.0
15.0	1242	18.0			0.39	0.6		29.0	15.1	21.4
15.0	1242	19.0			0.39	0.6		29.3	15.0	21.6
15.0	1242	20.0			0.39	0.6		29.6	14.9	21.8
15.0	1242	21.0			0.40	0.7		29.6	14.9	21.8
15.0	1242	22.0			0.41	0.8		29.6	14.9	21.9
15.0	1242	23.0	1.3	0.23	0.41	0.8		29.7	14.9	21.9
17.0	1126	1.0			0.48	1.6	0.8	29.7	15.0	21.9
17.0	1126	2.0			0.48	1.6		29.7	15.0	21.9
17.0	1126	3.0			0.49	1.7		29.8	15.0	22.0
17.0	1126	4.0			0.49	1.7		29.7	15.0	21.9
17.0	1126	5.0			0.49	1.7		29.8	15.0	21.9
17.0	1126	6.0			0.48	1.6		29.8	15.0	22.0
17.0	1126	7.0			0.48	1.6		30.0	15.0	22.1
17.0	1126	8.0			0.48	1.5		30.1	14.9	22.2
17.0	1126	9.0			0.48	1.6		30.1	15.0	22.2
17.0	1126	10.0			0.47	1.5		30.1	14.9	22.2
17.0	1126	11.0			0.46	1.3		30.1	15.0	22.2
17.0	1126	12.0			0.45	1.3		30.1	15.0	22.2
17.0	1126	13.0			0.46	1.3		30.1	14.9	22.2
17.0	1126	14.0			0.45	1.3		30.1	14.9	22.3
17.0	1126	15.0			0.44	1.1		30.2	14.9	22.3
17.0	1126	16.0			0.44	1.1		30.2	14.9	22.3
17.0	1126	17.0			0.43	1.0		30.2	14.9	22.3
17.0	1126	18.0			0.44	1.1		30.3	14.9	22.3
17.0	1126	19.0			0.45	1.2		30.3	14.9	22.4
17.0	1126	20.0			0.43	1.0		30.4	14.8	22.5
17.0	1126	21.0			0.43	1.1		30.5	14.8	22.5
17.0	1126	22.0			0.43	1.0		30.5	14.8	22.6
17.0	1126	23.0			0.43	1.0		30.6	14.7	22.7
17.0	1126	24.0			0.43	1.0		30.6	14.7	22.6
17.0	1126	25.0			0.42	1.0		30.7	14.7	22.7
17.0	1126	26.0			0.43	1.0		30.8	14.6	22.8
17.0	1126	27.0			0.42	0.9		30.8	14.6	22.9
17.0	1126	28.0			0.42	0.9		30.8	14.6	22.9
17.0	1126	29.0			0.42	0.9		30.9	14.5	22.9
17.0	1126	30.0			0.43	1.0		30.9	14.5	22.9
17.0	1126	31.0			0.42	1.0		30.9	14.5	22.9
17.0	1126	32.0			0.43	1.0		30.9	14.5	22.9
17.0	1126	33.0			0.42	0.9		31.2	14.2	23.2
17.0	1126	34.0			0.43	1.0		31.5	14.0	23.5
17.0	1126	35.0			0.44	1.1		31.6	14.0	23.5
17.0	1126	36.0			0.44	1.1		31.5	14.0	23.5

Fluorometer Calibration: n r² A B Syx
 14 0.71 -3.6 10.81 0.8

LOCATION: North San Francisco Bay
 DATE: May 30, 1990
 JULIAN DAY: 90150

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657.0	1717	1.0	1.1	0.34	0.43	1.1	2.4	0.1	18.4	0.0
657.0	1717	2.0			0.43	1.1		0.1	18.4	0.0
657.0	1717	3.0			0.43	1.1		0.1	18.4	0.0
657.0	1717	4.0			0.43	1.1		0.1	18.4	0.0
657.0	1717	5.0			0.43	1.1		0.1	18.4	0.0
657.0	1717	6.0			0.43	1.2		0.1	18.4	0.0
657.0	1717	7.0			0.43	1.2		0.1	18.4	0.0
653.0	1642	1.0			0.42	1.1	2.2	0.1	18.6	0.0
653.0	1642	2.0			0.42	1.1		0.1	18.6	0.0
653.0	1642	3.0			0.42	1.1		0.1	18.6	0.0
653.0	1642	4.0			0.42	1.1		0.1	18.6	0.0
653.0	1642	5.0			0.43	1.1		0.1	18.6	0.0
653.0	1642	6.0			0.43	1.1		0.1	18.6	0.0
653.0	1642	7.0			0.43	1.2		0.1	18.6	0.0
653.0	1642	8.0			0.44	1.2		0.1	18.6	0.0
653.0	1642	9.0			0.44	1.2		0.1	18.6	0.0
649.0	1608	1.0			0.53	1.5	3.6	0.2	18.6	0.0
649.0	1608	2.0			0.53	1.5		0.2	18.6	0.0
649.0	1608	3.0			0.53	1.5		0.3	18.6	0.0
649.0	1608	4.0			0.53	1.5		0.3	18.5	0.0
649.0	1608	5.0			0.54	1.6		0.3	18.5	0.0
649.0	1608	6.0			0.55	1.6		0.3	18.5	0.0
649.0	1608	7.0			0.56	1.7		0.3	18.5	0.0
649.0	1608	8.0			0.57	1.7		0.3	18.5	0.0
649.0	1608	9.0			0.58	1.7		0.3	18.5	0.0
649.0	1608	10.0			0.58	1.7		0.3	18.5	0.0
649.0	1608	11.0			0.59	1.7		0.3	18.5	0.0
2.0	1542	1.0			0.55	1.6	3.6	1.2	18.5	0.0
2.0	1542	2.0			0.55	1.6		1.2	18.5	0.0
2.0	1542	3.0			0.55	1.6		1.2	18.5	0.0
2.0	1542	4.0			0.55	1.6		1.2	18.5	0.0
2.0	1542	5.0			0.56	1.6		1.4	18.5	0.0
2.0	1542	6.0			0.56	1.7		1.5	18.6	0.0
2.0	1542	7.0			0.56	1.7		1.7	18.6	0.0
2.0	1542	8.0			0.56	1.7		1.8	18.6	0.0
2.0	1542	9.0			0.57	1.7		1.8	18.6	0.0
2.0	1542	10.0			0.56	1.6		1.8	18.6	0.0
2.0	1542	11.0			0.54	1.6		1.8	18.6	0.0
2.0	1542	12.0			0.53	1.5		1.9	18.6	0.0
3.0	1521	1.0			0.53	1.5	4.1	1.5	18.5	0.0
3.0	1521	2.0			0.53	1.5		1.5	18.5	0.0
3.0	1521	3.0			0.53	1.5		1.5	18.5	0.0
3.0	1521	4.0			0.53	1.5		1.6	18.5	0.0
3.0	1521	5.0			0.53	1.5		1.8	18.5	0.0
3.0	1521	6.0			0.54	1.6		1.8	18.5	0.0
3.0	1521	7.0			0.54	1.6		1.8	18.5	0.0
3.0	1521	8.0			0.54	1.6		1.8	18.5	0.0
3.0	1521	9.0			0.54	1.6		1.8	18.5	0.0
3.0	1521	10.0			0.53	1.5		1.8	18.5	0.0
3.0	1521	11.0			0.53	1.5		1.9	18.5	0.0
3.0	1521	12.0			0.52	1.5		1.9	18.5	0.0
4.0	1427	1.0	1.4	0.28	0.47	1.3	5.4	3.2	18.3	1.0
4.0	1427	2.0			0.47	1.3		3.2	18.3	1.0
4.0	1427	3.0			0.47	1.3		3.2	18.3	1.0
4.0	1427	4.0			0.48	1.3		3.2	18.3	1.0
4.0	1427	5.0			0.48	1.4		3.2	18.3	1.0
4.0	1427	6.0			0.48	1.4		3.2	18.3	1.0
4.0	1427	7.0			0.49	1.4		3.2	18.3	1.0
4.0	1427	8.0			0.49	1.4		3.2	18.3	1.0
4.0	1427	9.0			0.49	1.4		3.2	18.3	1.0

LOCATION: North San Francisco Bay

DATE: May 30, 1990

JULIAN DAY: 90150

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
4.0	1427	10.0			0.48	1.4		3.2	18.3	1.0
4.0	1427	11.0			0.48	1.3		3.2	18.3	1.0
4.0	1427	12.0			0.45	1.2		3.2	18.3	1.0
5.0	1401	1.0			0.43	1.2	4.0	4.8	18.3	2.2
5.0	1401	2.0			0.43	1.2		4.8	18.3	2.2
5.0	1401	3.0			0.43	1.2		4.8	18.3	2.2
5.0	1401	4.0			0.44	1.2		4.8	18.3	2.2
5.0	1401	5.0			0.44	1.2		4.9	18.3	2.3
5.0	1401	6.0			0.44	1.2		4.9	18.2	2.3
5.0	1401	7.0			0.45	1.2		5.0	18.2	2.3
5.0	1401	8.0			0.45	1.2		5.0	18.2	2.4
5.0	1401	9.0			0.45	1.2		5.0	18.2	2.4
5.0	1401	10.0			0.44	1.2		5.0	18.2	2.4
5.0	1401	11.0			0.43	1.2		5.1	18.2	2.4
6.0	1325	1.0			0.46	1.3	5.0	7.4	18.1	4.2
6.0	1325	2.0			0.46	1.3		7.4	18.1	4.2
6.0	1325	3.0			0.46	1.3		7.4	18.1	4.2
6.0	1325	4.0			0.46	1.3		7.5	18.1	4.3
6.0	1325	5.0			0.47	1.3		7.5	18.1	4.3
6.0	1325	6.0			0.47	1.3		7.5	18.1	4.3
6.0	1325	7.0			0.47	1.3		7.5	18.1	4.3
6.0	1325	8.0			0.48	1.3		7.5	18.1	4.3
6.0	1325	9.0			0.48	1.4		7.6	18.1	4.4
6.0	1325	10.0			0.49	1.4		7.7	18.1	4.5
7.0	1245	1.0	1.4	0.28	0.54	1.6	9.0	10.9	17.7	6.9
7.0	1245	2.0			0.54	1.6		10.9	17.7	6.9
7.0	1245	3.0			0.54	1.6		10.9	17.6	7.0
7.0	1245	4.0			0.54	1.6		10.9	17.6	7.0
7.0	1245	5.0			0.54	1.6		10.9	17.6	7.0
7.0	1245	6.0			0.54	1.6		11.0	17.6	7.0
7.0	1245	7.0			0.54	1.6		11.0	17.6	7.0
7.0	1245	8.0			0.55	1.6		11.0	17.6	7.1
7.0	1245	9.0			0.55	1.6		11.0	17.6	7.1
7.0	1245	10.0			0.54	1.6		11.1	17.6	7.1
7.0	1245	11.0			0.53	1.5		11.1	17.6	7.2
7.0	1245	12.0			0.52	1.5		11.1	17.6	7.2
7.0	1245	13.0			0.52	1.5		11.1	17.6	7.2
8.0	1211	1.0			0.51	1.4	5.0	12.5	17.3	8.3
8.0	1211	2.0			0.51	1.4		12.9	17.3	8.6
8.0	1211	3.0			0.51	1.5		13.1	17.3	8.7
8.0	1211	4.0			0.52	1.5		13.2	17.3	8.8
8.0	1211	5.0			0.52	1.5		13.4	17.3	8.9
8.0	1211	6.0			0.53	1.5		13.5	17.3	9.0
8.0	1211	7.0			0.52	1.5		13.7	17.3	9.1
8.0	1211	8.0			0.51	1.5		14.0	17.3	9.4
8.0	1211	9.0			0.52	1.5		14.5	17.3	9.8
8.0	1211	10.0			0.51	1.5		14.8	17.3	10.0
8.0	1211	11.0			0.50	1.4		14.8	17.3	10.0
8.0	1211	12.0			0.50	1.4		14.8	17.3	10.0
8.0	1211	13.0			0.50	1.4		14.8	17.3	10.0
8.0	1211	14.0			0.50	1.4		14.8	17.3	10.0
9.0	1145	1.0	0.9	0.32	0.42	1.1	3.1	15.3	17.3	10.4
9.0	1145	2.0			0.42	1.1		15.4	17.3	10.5
9.0	1145	3.0			0.42	1.1		15.5	17.3	10.5
9.0	1145	4.0			0.42	1.1		15.5	17.3	10.6
9.0	1145	5.0			0.42	1.1		15.6	17.3	10.6
9.0	1145	6.0			0.42	1.1		15.8	17.3	10.7
9.0	1145	7.0			0.42	1.1		16.0	17.3	10.9
9.0	1145	8.0			0.43	1.1		16.5	17.4	11.3
9.0	1145	9.0			0.45	1.2		17.1	17.4	11.7

LOCATION: North San Francisco Bay
 DATE: May 30, 1990
 JULIAN DAY: 90150

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9.0	1145	10.0			0.45	1.2		17.2	17.4	11.8
9.0	1145	11.0			0.46	1.3		17.2	17.4	11.8
9.0	1145	12.0			0.46	1.3		17.2	17.4	11.8
9.0	1145	13.0			0.47	1.3		17.2	17.4	11.8
9.0	1145	14.0			0.47	1.3		17.1	17.4	11.8
9.0	1145	15.0			0.47	1.3		17.1	17.4	11.8
9.0	1145	16.0			0.47	1.3		17.1	17.4	11.7
9.0	1145	17.0			0.47	1.3		17.1	17.4	11.7
9.0	1145	18.0			0.47	1.3		17.0	17.4	11.7
9.0	1145	19.0			0.46	1.3		17.0	17.4	11.7
9.0	1145	20.0			0.48	1.3		17.0	17.4	11.6
9.0	1145	21.0			0.48	1.3		17.0	17.4	11.7
9.0	1145	22.0			0.48	1.4		16.9	17.4	11.6
9.0	1145	23.0			0.48	1.4		16.9	17.4	11.6
10.0	1127	1.0			0.43	1.2	3.6	17.3	17.4	11.9
10.0	1127	2.0			0.43	1.2		17.3	17.4	11.9
10.0	1127	3.0			0.44	1.2		17.3	17.4	11.9
10.0	1127	4.0			0.45	1.2		17.3	17.4	11.9
10.0	1127	5.0			0.45	1.2		17.3	17.4	11.9
10.0	1127	6.0			0.46	1.3		17.4	17.4	12.0
10.0	1127	7.0			0.47	1.3		18.4	17.4	12.7
10.0	1127	8.0			0.48	1.4		19.0	17.4	13.2
10.0	1127	9.0			0.49	1.4		19.4	17.4	13.5
10.0	1127	10.0			0.49	1.4		19.8	17.4	13.8
10.0	1127	11.0			0.49	1.4		19.9	17.4	13.9
10.0	1127	12.0			0.49	1.4		20.2	17.4	14.1
10.0	1127	13.0			0.50	1.4		20.4	17.4	14.3
10.0	1127	14.0			0.50	1.4		20.8	17.4	14.5
10.0	1127	15.0			0.50	1.4		21.1	17.4	14.8
10.0	1127	16.0			0.50	1.4		21.2	17.4	14.9
10.0	1127	17.0			0.50	1.4		21.3	17.4	15.0
10.0	1127	18.0			0.50	1.4		21.4	17.3	15.0
11.0	1050	1.0	0.9	0.39	0.40	1.0	2.4	19.1	17.3	13.3
11.0	1050	2.0			0.40	1.0		19.7	17.3	13.7
11.0	1050	3.0			0.40	1.0		20.0	17.3	14.0
11.0	1050	4.0			0.41	1.1		20.3	17.2	14.2
11.0	1050	5.0			0.41	1.1		20.4	17.2	14.3
11.0	1050	6.0			0.43	1.1		20.4	17.2	14.3
11.0	1050	7.0			0.44	1.2		20.8	17.1	14.6
11.0	1050	8.0			0.45	1.2		20.6	17.1	14.5
11.0	1050	9.0			0.46	1.3		21.5	17.1	15.2
11.0	1050	10.0			0.46	1.3		21.6	17.0	15.2
11.0	1050	11.0			0.44	1.2		22.3	17.0	15.8
11.0	1050	12.0			0.47	1.3		23.1	17.0	16.4
11.0	1050	13.0			0.47	1.3		23.2	17.0	16.5
11.0	1050	14.0			0.47	1.3		23.3	17.0	16.6
11.0	1050	15.0			0.48	1.3		23.3	17.0	16.6
11.0	1050	16.0			0.48	1.4		23.3	17.0	16.6
11.0	1050	17.0			0.49	1.4		23.3	17.0	16.6
13.0	956	1.0	1.0	0.57	0.37	0.9	1.4	22.6	16.9	16.1
13.0	956	2.0			0.37	0.9		22.9	16.9	16.3
13.0	956	3.0			0.36	0.9		23.2	16.5	16.6
13.0	956	4.0			0.39	1.0		24.1	16.1	17.3
13.0	956	5.0			0.41	1.1		24.5	16.1	17.7
13.0	956	6.0			0.44	1.2		24.8	16.1	17.9
13.0	956	7.0			0.47	1.3		26.3	16.1	19.0
13.0	956	8.0			0.50	1.4		25.9	16.1	18.8
13.0	956	9.0			0.54	1.6		26.9	16.1	19.5
15.0	904	1.0	1.5	0.41	0.45	1.2	2.8	28.3	15.8	20.7
15.0	904	2.0			0.45	1.2		28.3	15.8	20.7
15.0	904	3.0			0.45	1.2		28.3	15.8	20.7

LOCATION: North San Francisco Bay
 DATE: May 30, 1990
 JULIAN DAY: 90150

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
15.0	904	4.0			0.45	1.2		28.4	15.7	20.7
15.0	904	5.0			0.45	1.2		28.4	15.7	20.8
15.0	904	6.0			0.45	1.2		28.5	15.7	20.8
15.0	904	7.0			0.46	1.3		28.5	15.7	20.8
15.0	904	8.0			0.47	1.3		28.5	15.7	20.8
15.0	904	9.0			0.48	1.3		28.7	15.7	21.0
15.0	904	10.0			0.47	1.3		28.9	15.6	21.1
15.0	904	11.0			0.45	1.2		29.1	15.6	21.3
15.0	904	12.0			0.45	1.2		29.3	15.5	21.4
15.0	904	13.0			0.47	1.3		29.6	15.4	21.7
15.0	904	14.0			0.47	1.3		29.8	15.4	21.9
15.0	904	15.0			0.48	1.3		30.0	15.3	22.0
15.0	904	16.0			0.49	1.4		30.0	15.3	22.1
15.0	904	17.0			0.50	1.4		30.1	15.3	22.1
15.0	904	18.0			0.51	1.5		30.1	15.3	22.1
15.0	904	19.0			0.50	1.4		30.1	15.3	22.1
15.0	904	20.0			0.51	1.5		30.1	15.3	22.1
15.0	904	21.0			0.52	1.5		30.1	15.3	22.1
15.0	904	22.0			0.51	1.5		30.1	15.3	22.2
18.0	755	1.0			0.55	1.6	1.2	31.5	14.6	23.4
18.0	755	2.0			0.55	1.6		31.5	14.6	23.4
18.0	755	3.0			0.55	1.6		31.5	14.6	23.4
18.0	755	4.0			0.55	1.6		31.5	14.6	23.4
18.0	755	5.0			0.54	1.6		31.5	14.6	23.4
18.0	755	6.0			0.56	1.6		31.6	14.6	23.4
18.0	755	7.0			0.54	1.6		31.6	14.6	23.4
18.0	755	8.0			0.55	1.6		31.6	14.6	23.4
18.0	755	9.0			0.56	1.7		31.6	14.6	23.4
18.0	755	10.0			0.56	1.6		31.6	14.6	23.4
18.0	755	11.0			0.56	1.6		31.6	14.6	23.4
18.0	755	12.0			0.55	1.6		31.6	14.6	23.5
18.0	755	13.0			0.56	1.7		31.6	14.6	23.5
18.0	755	14.0			0.55	1.6		31.6	14.6	23.5
18.0	755	15.0			0.54	1.6		31.6	14.6	23.5
18.0	755	16.0			0.53	1.5		31.6	14.6	23.5
18.0	755	17.0			0.55	1.6		31.7	14.5	23.5
18.0	755	18.0			0.55	1.6		31.7	14.5	23.5
18.0	755	19.0			0.56	1.7		31.7	14.5	23.5
18.0	755	20.0			0.56	1.7		31.7	14.5	23.5
18.0	755	21.0			0.54	1.6		31.7	14.5	23.5
18.0	755	22.0			0.55	1.6		31.7	14.5	23.5
18.0	755	23.0			0.56	1.6		31.8	14.5	23.6
18.0	755	24.0			0.56	1.7		31.9	14.4	23.7
18.0	755	25.0			0.59	1.8		31.9	14.4	23.7
18.0	755	26.0			0.56	1.6		31.9	14.4	23.7
18.0	755	27.0			0.56	1.7		31.9	14.4	23.7
18.0	755	28.0			0.59	1.7		31.9	14.4	23.7
18.0	755	29.0			0.59	1.8		31.9	14.4	23.7

Fluorometer Calibration: n r^2 A B Syx
 7 0.62 -0.5 3.81 0.2

LOCATION: South San Francisco Bay
 DATE: May 31, 1990
 JULIAN DAY: 90151

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
30.0	1651	1.0	2.3	0.50	0.59	3.1	1.6	29.8	17.4	21.5
30.0	1651	2.0			0.59	3.1		29.9	17.4	21.5
30.0	1651	3.0			0.59	3.1		29.9	17.4	21.5
30.0	1651	4.0			0.58	3.1		29.9	17.3	21.6
30.0	1651	5.0			0.58	3.1		29.9	17.3	21.6
30.0	1651	6.0			0.60	3.1		30.0	17.3	21.6
30.0	1651	7.0			0.63	3.1		30.0	17.3	21.6
30.0	1651	8.0			0.65	3.1		30.0	17.3	21.6
30.0	1651	9.0			0.67	3.1		30.0	17.3	21.7
30.0	1651	10.0			0.68	3.1		30.1	17.3	21.7
30.0	1651	11.0			0.68	3.1		30.1	17.3	21.7
30.0	1651	12.0			0.69	3.1		30.1	17.3	21.7
30.0	1651	13.0			0.69	3.1		30.1	17.3	21.7
30.0	1651	14.0			0.70	3.1		30.1	17.3	21.7
30.0	1651	15.0			0.73	3.1		30.1	17.3	21.7
29.0	1631	1.0			0.63	3.1	5.2	30.2	17.4	21.8
29.0	1631	2.0			0.63	3.1		30.2	17.4	21.8
29.0	1631	3.0			0.63	3.1		30.2	17.4	21.7
29.0	1631	4.0			0.64	3.1		30.2	17.4	21.7
29.0	1631	5.0			0.64	3.1		30.2	17.4	21.7
29.0	1631	6.0			0.64	3.1		30.2	17.4	21.8
29.0	1631	7.0			0.64	3.1		30.2	17.4	21.7
29.0	1631	8.0			0.66	3.1		30.2	17.4	21.8
29.0	1631	9.0			0.67	3.1		30.2	17.3	21.8
29.0	1631	10.0			0.68	3.1		30.2	17.3	21.8
29.0	1631	11.0			0.68	3.1		30.2	17.3	21.8
29.0	1631	12.0			0.69	3.1		30.2	17.3	21.8
29.0	1631	13.0			0.69	3.1		30.2	17.3	21.8
29.0	1631	14.0			0.70	3.1		30.2	17.3	21.8
29.0	1631	15.0			0.70	3.1		30.2	17.3	21.8
28.0	1605	1.0			0.63	3.1	2.2	30.3	17.8	21.7
28.0	1605	2.0			0.63	3.1		30.3	17.8	21.8
28.0	1605	3.0			0.63	3.1		30.3	17.8	21.8
28.0	1605	4.0			0.63	3.1		30.3	17.8	21.8
28.0	1605	5.0			0.62	3.1		30.4	17.7	21.8
28.0	1605	6.0			0.61	3.1		30.4	17.6	21.9
28.0	1605	7.0			0.61	3.1		30.4	17.4	21.9
28.0	1605	8.0			0.61	3.1		30.3	17.4	21.9
28.0	1605	9.0			0.62	3.1		30.3	17.4	21.8
28.0	1605	10.0			0.63	3.1		30.3	17.4	21.8
28.0	1605	11.0			0.64	3.1		30.3	17.4	21.8
28.0	1605	12.0			0.67	3.1		30.4	17.4	21.9
28.0	1605	13.0			0.71	3.1		30.4	17.4	21.9
28.0	1605	14.0			0.74	3.1		30.4	17.4	21.9
28.0	1605	15.0			0.78	3.1		30.4	17.4	21.9
27.0	1550	1.0	3.4	0.60	0.64	3.1	2.1	30.5	17.8	21.9
27.0	1550	2.0			0.64	3.1		30.5	17.8	21.9
27.0	1550	3.0			0.63	3.1		30.5	17.7	21.9
27.0	1550	4.0			0.63	3.1		30.5	17.7	21.9
27.0	1550	5.0			0.63	3.1		30.5	17.6	21.9
27.0	1550	6.0			0.64	3.1		30.5	17.5	21.9
27.0	1550	7.0			0.65	3.1		30.5	17.5	22.0
27.0	1550	8.0			0.66	3.1		30.6	17.4	22.0
27.0	1550	9.0			0.67	3.1		30.6	17.4	22.0
27.0	1550	10.0			0.68	3.1		30.6	17.4	22.0
27.0	1550	11.0			0.69	3.1		30.6	17.4	22.0
27.0	1550	12.0			0.70	3.1		30.5	17.3	22.0
27.0	1550	13.0			0.72	3.1		30.6	17.3	22.0
27.0	1550	14.0			0.67	3.1		30.4	17.2	21.9
26.0	1539	1.0			0.65	3.1	2.1	30.5	17.6	22.0
26.0	1539	2.0			0.65	3.1		30.5	17.5	22.0

LOCATION: South San Francisco Bay
DATE: May 31, 1990
JULIAN DAY: 90151

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
26.0	1539	3.0			0.64	3.1		30.5	17.5	22.0
26.0	1539	4.0			0.64	3.1		30.5	17.5	22.0
26.0	1539	5.0			0.65	3.1		30.5	17.5	22.0
26.0	1539	6.0			0.67	3.1		30.5	17.5	22.0
26.0	1539	7.0			0.67	3.1		30.5	17.4	22.0
26.0	1539	8.0			0.69	3.1		30.5	17.4	22.0
26.0	1539	9.0			0.70	3.1		30.5	17.4	22.0
26.0	1539	10.0			0.71	3.1		30.5	17.4	22.0
25.0	1521	1.0			0.65	3.1	2.6	30.7	17.1	22.2
25.0	1521	2.0			0.65	3.1		30.6	17.1	22.2
25.0	1521	3.0			0.64	3.1		30.6	17.1	22.2
25.0	1521	4.0			0.64	3.1		30.6	17.1	22.2
25.0	1521	5.0			0.66	3.1		30.6	17.1	22.2
25.0	1521	6.0			0.66	3.1		30.7	17.1	22.2
25.0	1521	7.0			0.67	3.1		30.7	17.1	22.2
25.0	1521	8.0			0.69	3.1		30.7	17.1	22.2
24.0	1507	1.0	3.6	0.72	0.56	3.1	1.9	30.8	16.8	22.3
24.0	1507	2.0			0.56	3.1		30.8	16.8	22.3
24.0	1507	3.0			0.57	3.1		30.8	16.7	22.4
24.0	1507	4.0			0.57	3.1		30.9	16.5	22.5
24.0	1507	5.0			0.57	3.1		30.9	16.5	22.5
24.0	1507	6.0			0.57	3.1		30.9	16.4	22.5
24.0	1507	7.0			0.57	3.1		30.9	16.4	22.5
24.0	1507	8.0			0.58	3.1		30.9	16.4	22.5
24.0	1507	9.0			0.60	3.1		30.8	16.4	22.5
24.0	1507	10.0			0.60	3.1		30.8	16.4	22.5
23.0	1454	1.0			0.59	3.1	2.1	30.6	16.7	22.2
23.0	1454	2.0			0.59	3.1		30.6	16.7	22.2
23.0	1454	3.0			0.60	3.1		30.6	16.7	22.2
23.0	1454	4.0			0.59	3.1		30.6	16.7	22.2
23.0	1454	5.0			0.60	3.1		30.6	16.7	22.2
23.0	1454	6.0			0.60	3.1		30.7	16.7	22.3
23.0	1454	7.0			0.60	3.1		30.7	16.6	22.3
23.0	1454	8.0			0.60	3.1		30.8	16.5	22.4
23.0	1454	9.0			0.61	3.1		30.8	16.4	22.5
23.0	1454	10.0			0.61	3.1		30.8	16.4	22.5
23.0	1454	11.0			0.61	3.1		30.9	16.3	22.5
23.0	1454	12.0			0.63	3.1		30.9	16.3	22.5
23.0	1454	13.0			0.62	3.1		30.7	16.3	22.4
23.0	1454	14.0			0.65	3.1		30.7	16.3	22.4
23.0	1454	15.0			0.65	3.1		30.7	16.3	22.4
22.0	1433	1.0			0.52	3.1	1.2	30.9	16.0	22.6
22.0	1433	2.0			0.52	3.1		30.9	16.0	22.6
22.0	1433	3.0			0.53	3.1		30.9	16.0	22.6
22.0	1433	4.0			0.54	3.1		30.9	15.9	22.6
22.0	1433	5.0			0.53	3.1		30.9	15.9	22.6
22.0	1433	6.0			0.52	3.1		30.9	15.9	22.7
22.0	1433	7.0			0.52	3.1		30.9	15.8	22.7
22.0	1433	8.0			0.52	3.1		30.9	15.8	22.7
22.0	1433	9.0			0.52	3.1		30.9	15.8	22.7
22.0	1433	10.0			0.50	3.1		30.9	15.7	22.7
22.0	1433	11.0			0.50	3.1		30.9	15.7	22.7
22.0	1433	12.0			0.50	3.1		30.9	15.7	22.7
22.0	1433	13.0			0.50	3.1		30.9	15.7	22.7
22.0	1433	14.0			0.51	3.1		30.9	15.7	22.7
22.0	1433	15.0			0.53	3.1		30.9	15.7	22.7
22.0	1433	16.0			0.54	3.1		30.9	15.7	22.7
22.0	1433	17.0			0.56	3.1		30.9	15.7	22.7
21.0	1420	1.0	3.1	0.62	0.49	3.1	1.3	30.8	16.4	22.4
21.0	1420	2.0			0.49	3.1		30.8	16.4	22.4

LOCATION: South San Francisco Bay
 DATE: May 31, 1990
 JULIAN DAY: 90151

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCDF	SALIN	TEMP	SIGHT
21.0	1420	3.0			0.51	3.1		30.8	16.4	22.4
21.0	1420	4.0			0.51	3.1		30.8	16.4	22.4
21.0	1420	5.0			0.52	3.1		30.8	16.4	22.4
21.0	1420	6.0			0.53	3.1		30.8	16.4	22.4
21.0	1420	7.0			0.54	3.1		30.8	16.4	22.4
21.0	1420	8.0			0.53	3.1		30.8	16.4	22.4
21.0	1420	9.0			0.54	3.1		30.8	16.3	22.4
21.0	1420	10.0			0.53	3.1		30.8	16.3	22.4
21.0	1420	11.0			0.52	3.1		30.8	16.2	22.5
21.0	1420	12.0			0.54	3.1		30.8	16.2	22.5
21.0	1420	13.0			0.53	3.1		30.8	16.1	22.5
21.0	1420	14.0			0.55	3.1		30.8	16.1	22.5
21.0	1420	15.0			0.56	3.1		30.8	16.0	22.5
21.0	1420	16.0			0.58	3.1		30.8	16.0	22.5

Fluorometer Calibration: n r^2 A B Syx
 4 0.00 3.1 0.10 0.7

LOCATION: North San Francisco Bay
DATE: June 28, 1990
JULIAN DAY: 90179

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657.0	1756	1.0			0.54	1.5	2.3	0.1	21.8	0.0
657.0	1756	2.0			0.54	1.5		0.1	21.8	0.0
657.0	1756	3.0			0.54	1.5		0.1	21.8	0.0
657.0	1756	4.0			0.54	1.5		0.1	21.8	0.0
657.0	1756	5.0			0.54	1.5		0.1	21.7	0.0
657.0	1756	6.0			0.54	1.5		0.1	21.6	0.0
657.0	1756	7.0			0.55	1.5		0.1	21.6	0.0
657.0	1756	8.0			0.54	1.5		0.1	21.6	0.0
657.0	1756	9.0			0.55	1.6		0.1	21.6	0.0
657.0	1756	10.0			0.54	1.5		0.1	21.6	0.0
3.0	1632	1.0	2.4	0.44	0.59	2.0	4.9	1.7	21.3	0.0
3.0	1632	2.0			0.59	2.0		1.7	21.3	0.0
3.0	1632	3.0			0.59	2.0		1.8	21.3	0.0
3.0	1632	4.0			0.58	2.0		1.9	21.3	0.0
3.0	1632	5.0			0.59	2.0		2.0	21.4	0.0
3.0	1632	6.0			0.59	2.0		2.0	21.4	0.0
3.0	1632	7.0			0.59	2.0		2.0	21.4	0.0
3.0	1632	8.0			0.59	2.0		2.0	21.5	0.0
3.0	1632	9.0			0.59	2.1		2.0	21.5	0.0
3.0	1632	10.0			0.59	2.0		2.1	21.5	0.0
3.0	1632	11.0			0.57	1.8		2.3	21.5	0.0
5.0	1556	1.0			0.48	0.8	3.9	3.4	21.4	0.5
5.0	1556	2.0			0.48	0.8		3.4	21.3	0.6
5.0	1556	3.0			0.48	0.8		3.4	21.2	0.6
5.0	1556	4.0			0.49	0.9		3.4	21.2	0.6
5.0	1556	5.0			0.49	0.9		3.5	21.2	0.6
5.0	1556	6.0			0.49	1.0		3.6	21.2	0.7
5.0	1556	7.0			0.49	1.0		3.7	21.1	0.7
5.0	1556	8.0			0.50	1.0		3.7	21.1	0.7
5.0	1556	9.0			0.49	1.0		3.7	21.1	0.7
5.0	1556	10.0			0.48	0.8		3.7	21.1	0.7
5.0	1556	11.0			0.48	0.8		3.7	21.1	0.8
5.0	1556	12.0			0.46	0.6		3.7	21.1	0.8
6.0	1431	1.0	0.0	0.00	0.46	0.6	5.7	5.8	21.0	2.4
6.0	1431	2.0			0.46	0.6		5.8	21.0	2.4
6.0	1431	3.0			0.46	0.6		5.9	20.9	2.5
6.0	1431	4.0			0.47	0.7		6.2	20.9	2.7
6.0	1431	5.0			0.47	0.7		6.4	20.8	2.9
6.0	1431	6.0			0.47	0.7		6.8	20.8	3.2
6.0	1431	7.0			0.47	0.7		7.0	20.7	3.4
6.0	1431	8.0	0.0	0.00	0.47	0.8		7.2	20.7	3.5
7.0	1400	1.0			0.44	0.4	3.5	8.9	20.7	4.8
7.0	1400	2.0			0.44	0.4		9.0	20.7	4.9
7.0	1400	3.0			0.44	0.4		9.0	20.6	4.9
7.0	1400	4.0			0.44	0.4		9.1	20.6	5.0
7.0	1400	5.0			0.45	0.5		9.2	20.5	5.1
7.0	1400	6.0			0.45	0.5		9.3	20.5	5.1
7.0	1400	7.0			0.45	0.5		9.4	20.5	5.2
7.0	1400	8.0			0.46	0.6		9.6	20.5	5.4
7.0	1400	9.0			0.47	0.7		9.8	20.5	5.5
7.0	1400	10.0			0.47	0.7		9.8	20.5	5.6
7.0	1400	11.0			0.46	0.6		9.8	20.5	5.6
7.0	1400	12.0			0.47	0.7		9.9	20.4	5.6
7.0	1400	13.0			0.47	0.7		9.9	20.4	5.6
7.0	1400	14.0			0.48	0.8		9.9	20.4	5.6
7.0	1400	15.0			0.48	0.9		9.9	20.4	5.6
8.0	1333	1.0	0.3	0.07	0.45	0.5	5.6	11.4	20.0	6.8
8.0	1333	2.0			0.45	0.5		11.7	20.0	7.0
8.0	1333	3.0			0.45	0.5		11.8	20.0	7.1
8.0	1333	4.0			0.46	0.6		11.9	20.0	7.2

LOCATION: North San Francisco Bay
 DATE: June 28, 1990
 JULIAN DAY: 90179

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
8.0	1333	5.0			0.45	0.5		11.9	20.0	7.3
8.0	1333	6.0			0.46	0.6		12.1	20.1	7.3
8.0	1333	7.0			0.46	0.6		12.3	20.1	7.5
8.0	1333	8.0			0.47	0.7		12.4	20.1	7.6
8.0	1333	9.0			0.47	0.7		12.5	20.1	7.6
8.0	1333	10.0			0.46	0.6		12.5	20.1	7.6
8.0	1333	11.0			0.44	0.4		12.5	20.1	7.6
8.0	1333	12.0			0.45	0.5		12.5	20.1	7.6
8.0	1333	13.0			0.44	0.4		12.5	20.1	7.6
8.0	1333	14.0	0.0	0.00	0.43	0.3		12.5	20.1	7.6
9.0	1304	1.0	0.3	0.07	0.45	0.5	6.1	14.5	19.9	9.2
9.0	1304	2.0			0.45	0.5		14.5	19.9	9.2
9.0	1304	3.0			0.45	0.5		14.5	19.9	9.2
9.0	1304	4.0			0.45	0.5		14.5	19.9	9.3
9.0	1304	5.0			0.46	0.6		14.6	19.8	9.3
9.0	1304	6.0			0.45	0.5		14.6	19.9	9.3
9.0	1304	7.0			0.46	0.6		14.5	19.9	9.3
9.0	1304	8.0			0.46	0.6		14.6	19.8	9.3
9.0	1304	9.0			0.46	0.6		14.6	19.8	9.3
9.0	1304	10.0			0.45	0.4		14.6	19.8	9.3
9.0	1304	11.0			0.43	0.3		14.6	19.8	9.3
9.0	1304	12.0			0.43	0.2		14.7	19.8	9.4
9.0	1304	13.0			0.42	0.2		14.7	19.8	9.4
9.0	1304	14.0			0.42	0.1		14.7	19.8	9.4
9.0	1304	15.0			0.41	0.1		14.8	19.8	9.4
9.0	1304	16.0			0.41	0.0		14.7	19.8	9.4
9.0	1304	17.0			0.41	0.0		14.8	19.8	9.4
9.0	1304	18.0			0.41	0.0		14.8	19.8	9.5
9.0	1304	19.0			0.40			14.8	19.8	9.4
9.0	1304	20.0			0.40			14.7	19.8	9.4
9.0	1304	21.0			0.40			14.6	19.8	9.3
9.0	1304	22.0			0.41	0.0		15.3	19.9	9.9
9.0	1304	23.0			0.40			15.4	19.9	9.9
9.0	1304	24.0			0.41	0.1		15.8	19.9	10.2
9.0	1304	25.0	0.2	0.04	0.41	0.1		15.6	19.9	10.1
10.0	1244	1.0	0.2	0.06	0.41	0.1	4.1	15.3	20.0	9.8
10.0	1244	2.0			0.41	0.1		15.3	20.0	9.8
10.0	1244	3.0			0.41	0.1		15.6	19.9	10.0
10.0	1244	4.0			0.42	0.1		16.1	19.9	10.4
10.0	1244	5.0			0.42	0.1		16.2	19.9	10.5
10.0	1244	6.0			0.42	0.2		16.9	19.9	11.1
10.0	1244	7.0			0.43	0.3		17.5	19.9	11.5
10.0	1244	8.0			0.44	0.4		17.7	19.9	11.6
10.0	1244	9.0			0.45	0.5		17.8	19.9	11.7
10.0	1244	10.0			0.44	0.4		17.9	19.9	11.8
10.0	1244	11.0			0.43	0.3		17.9	19.9	11.8
10.0	1244	12.0			0.43	0.2		17.9	19.9	11.8
10.0	1244	13.0			0.42	0.2		18.0	19.9	11.8
10.0	1244	14.0			0.42	0.1		18.0	19.9	11.9
10.0	1244	15.0			0.41	0.1		18.1	19.9	12.0
10.0	1244	16.0			0.41	0.0		18.1	19.9	12.0
10.0	1244	17.0			0.43	0.3		18.2	19.9	12.0
10.0	1244	18.0			0.42	0.2		18.2	19.9	12.0
10.0	1244	19.0	0.0	0.00	0.42	0.2		18.2	19.9	12.0
11.0	1155	1.0	0.4	0.11	0.44	0.4	3.5	20.7	19.9	13.9
11.0	1155	2.0			0.44	0.4		20.8	19.9	14.0
11.0	1155	3.0			0.44	0.4		20.8	19.9	14.0
11.0	1155	4.0			0.44	0.4		21.0	19.9	14.1
11.0	1155	5.0			0.45	0.5		21.0	19.9	14.2
11.0	1155	6.0			0.45	0.5		21.1	19.9	14.2
11.0	1155	7.0			0.45	0.5		21.1	19.9	14.2
11.0	1155	8.0			0.46	0.6		21.2	19.8	14.3

LOCATION: North San Francisco Bay
 DATE: June 28, 1990
 JULIAN DAY: 90179

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
11.0	1155	9.0			0.46	0.5		21.2	19.8	14.3
11.0	1155	10.0			0.45	0.4		21.2	19.8	14.3
11.0	1155	11.0			0.43	0.3		21.3	19.8	14.4
11.0	1155	12.0	0.0	0.00	0.43	0.3		21.4	19.8	14.5
13.0	1053	1.0	0.7	0.25	0.45	0.5	3.9	25.4	18.9	17.7
13.0	1053	2.0			0.45	0.5		25.3	18.9	17.7
13.0	1053	3.0			0.46	0.6		25.7	18.6	18.0
13.0	1053	4.0			0.47	0.7		26.2	18.6	18.4
13.0	1053	5.0			0.48	0.9		26.5	18.5	18.6
13.0	1053	6.0			0.49	1.0		26.7	18.4	18.9
13.0	1053	7.0			0.50	1.1		26.8	18.4	18.9
13.0	1053	8.0			0.51	1.2		26.8	18.4	18.9
13.0	1053	9.0	1.7	0.10	0.52	1.3		26.9	18.3	19.0
15.0	959	1.0			0.36		1.5	26.3	18.5	18.5
15.0	959	2.0			0.36			26.3	18.5	18.5
15.0	959	3.0			0.36			26.3	18.5	18.5
15.0	959	4.0			0.36			26.4	18.3	18.6
15.0	959	5.0			0.35			26.8	18.0	19.0
15.0	959	6.0			0.36			27.6	17.8	19.6
15.0	959	7.0			0.36			28.2	17.7	20.1
15.0	959	8.0			0.37			28.3	17.7	20.2
15.0	959	9.0			0.38			28.3	17.7	20.2
15.0	959	10.0			0.38			28.4	17.7	20.3
15.0	959	11.0			0.38			28.4	17.7	20.3
15.0	959	12.0			0.39			28.4	17.7	20.3
15.0	959	13.0			0.39			28.4	17.7	20.3
15.0	959	14.0			0.39			28.5	17.6	20.4
15.0	959	15.0			0.39			28.6	17.6	20.5
15.0	959	16.0			0.40			28.6	17.6	20.5
15.0	959	17.0			0.40			28.6	17.6	20.5
15.0	959	18.0			0.40			28.6	17.6	20.5
15.0	959	19.0			0.40			28.6	17.6	20.5
15.0	959	20.0			0.40			28.6	17.5	20.5
15.0	959	21.0			0.40			28.7	17.5	20.5
15.0	959	22.0			0.40			28.7	17.5	20.5
15.0	959	23.0	1.1	0.15	0.40			28.7	17.5	20.5

Fluorometer Calibration: n r^2 A B Syx
 14 0.58 -4.5 11.00 0.5

LOCATION: South San Francisco Bay
DATE: June 29, 1990
JULIAN DAY: 90180

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
30.0	1516	1.0	2.0	0.31	0.65	2.0	3.4	30.7	20.0	21.5
30.0	1516	2.0			0.65	2.0		30.7	20.0	21.5
30.0	1516	3.0			0.66	2.0		30.7	20.0	21.5
30.0	1516	4.0			0.67	2.0		30.7	19.9	21.5
30.0	1516	5.0			0.68	2.1		30.7	20.0	21.5
30.0	1516	6.0			0.68	2.1		30.7	20.0	21.5
30.0	1516	7.0			0.69	2.1		30.7	20.0	21.5
30.0	1516	8.0			0.69	2.1		30.7	20.0	21.5
30.0	1516	9.0			0.69	2.1		30.7	20.0	21.5
30.0	1516	10.0			0.69	2.1		30.7	20.0	21.5
30.0	1516	11.0			0.68	2.1		30.7	20.0	21.5
30.0	1516	12.0			0.69	2.1		30.7	20.0	21.5
30.0	1516	13.0			0.68	2.1		30.7	20.0	21.5
30.0	1516	14.0			0.69	2.1		30.7	20.0	21.5
30.0	1516	15.0			0.69	2.1		30.7	20.0	21.5
30.0	1516	16.0	2.4	0.36	0.69	2.1		30.7	20.0	21.5
29.0	1455	1.0			0.61	2.0	4.0	30.8	19.6	21.6
29.0	1455	2.0			0.61	2.0		30.8	19.6	21.6
29.0	1455	3.0			0.61	2.0		30.8	19.6	21.7
29.0	1455	4.0			0.62	2.0		30.8	19.5	21.7
29.0	1455	5.0			0.62	2.0		30.8	19.5	21.7
29.0	1455	6.0			0.63	2.0		30.8	19.5	21.7
29.0	1455	7.0			0.63	2.0		30.8	19.5	21.7
29.0	1455	8.0			0.64	2.0		30.8	19.5	21.7
29.0	1455	9.0			0.64	2.0		30.8	19.5	21.7
29.0	1455	10.0			0.64	2.0		30.8	19.5	21.7
29.0	1455	11.0			0.63	2.0		30.8	19.5	21.7
29.0	1455	12.0			0.62	2.0		30.8	19.5	21.7
29.0	1455	13.0			0.62	2.0		30.8	19.5	21.7
29.0	1455	14.0			0.62	2.0		30.8	19.5	21.7
29.0	1455	15.0			0.62	2.0		30.8	19.5	21.7
28.0	1633	1.0			0.64	2.0	3.6	30.7	19.8	21.6
28.0	1633	2.0			0.64	2.0		30.7	19.8	21.6
28.0	1633	3.0			0.63	2.0		30.7	19.8	21.5
28.0	1633	4.0			0.65	2.0		30.7	19.8	21.5
28.0	1633	5.0			0.65	2.0		30.7	19.8	21.5
28.0	1633	6.0			0.67	2.0		30.7	19.7	21.5
28.0	1633	7.0			0.67	2.0		30.7	19.7	21.5
28.0	1633	8.0			0.67	2.1		30.7	19.7	21.5
28.0	1633	9.0			0.67	2.1		30.7	19.7	21.5
28.0	1633	10.0			0.67	2.1		30.7	19.7	21.5
28.0	1633	11.0			0.66	2.0		30.7	19.7	21.5
27.0	1609	1.0	2.2	0.32	0.62	2.0	5.0	30.8	19.6	21.6
27.0	1609	2.0			0.62	2.0		30.8	19.6	21.6
27.0	1609	3.0			0.62	2.0		30.8	19.6	21.6
27.0	1609	4.0			0.62	2.0		30.8	19.6	21.6
27.0	1609	5.0			0.63	2.0		30.8	19.6	21.6
27.0	1609	6.0			0.63	2.0		30.8	19.6	21.6
27.0	1609	7.0			0.64	2.0		30.8	19.5	21.7
27.0	1609	8.0			0.65	2.0		30.8	19.5	21.7
27.0	1609	9.0			0.67	2.0		30.8	19.5	21.7
27.0	1609	10.0			0.67	2.1		30.8	19.5	21.7
27.0	1609	11.0			0.68	2.1		30.8	19.5	21.7
27.0	1609	12.0			0.68	2.1		30.8	19.5	21.7
27.0	1609	13.0	1.7	0.17	0.69	2.1		30.8	19.5	21.7
26.0	1557	1.0			0.60	1.9	6.5	30.9	19.0	21.9
26.0	1557	2.0			0.60	1.9		30.9	19.0	21.9
26.0	1557	3.0			0.60	1.9		30.9	18.9	21.9
26.0	1557	4.0			0.60	2.0		30.9	18.9	21.9
26.0	1557	5.0			0.61	2.0		30.9	18.9	21.9
26.0	1557	6.0			0.61	2.0		30.9	18.9	21.9

LOCATION: South San Francisco Bay
DATE: June 29, 1990
JULIAN DAY: 90180

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
26.0	1557	7.0			0.61	2.0		30.9	18.9	21.9
26.0	1557	8.0			0.62	2.0		30.9	18.9	21.9
26.0	1557	9.0			0.63	2.0		30.9	18.9	21.9
26.0	1557	10.0			0.63	2.0		30.9	18.9	21.9
25.0	1542	1.0			0.57	1.9	4.6	30.8	18.7	21.9
25.0	1542	2.0			0.57	1.9		30.8	18.7	21.9
25.0	1542	3.0			0.57	1.9		30.8	18.7	21.9
25.0	1542	4.0			0.57	1.9		30.8	18.7	21.9
25.0	1542	5.0			0.58	1.9		30.8	18.7	21.9
25.0	1542	6.0			0.58	1.9		30.9	18.6	21.9
25.0	1542	7.0			0.59	1.9		30.9	18.6	21.9
25.0	1542	8.0			0.59	1.9		30.9	18.6	21.9
25.0	1542	9.0			0.60	1.9		30.9	18.6	21.9
24.0	1527	1.0	1.5	0.32	0.50	1.8	2.5	30.9	18.5	22.0
24.0	1527	2.0			0.50	1.8		31.0	18.3	22.1
24.0	1527	3.0			0.50	1.8		31.0	18.1	22.2
24.0	1527	4.0			0.50	1.8		31.0	18.0	22.2
24.0	1527	5.0			0.51	1.8		31.0	18.0	22.2
24.0	1527	6.0			0.52	1.8		31.0	18.0	22.2
24.0	1527	7.0			0.53	1.8		31.0	18.0	22.2
24.0	1527	8.0			0.53	1.9		31.0	18.0	22.2
24.0	1527	9.0			0.54	1.9		31.0	18.0	22.2
24.0	1527	10.0	2.1	0.10	0.53	1.9		31.0	17.9	22.2
23.0	1514	1.0			0.46	1.8	2.2	31.0	17.8	22.3
23.0	1514	2.0			0.46	1.8		31.0	17.8	22.3
23.0	1514	3.0			0.47	1.8		31.0	17.7	22.3
23.0	1514	4.0			0.46	1.7		31.1	17.5	22.4
23.0	1514	5.0			0.46	1.7		31.1	17.4	22.4
23.0	1514	6.0			0.46	1.7		31.1	17.4	22.4
23.0	1514	7.0			0.46	1.7		31.1	17.4	22.4
23.0	1514	8.0			0.46	1.7		31.1	17.4	22.4
23.0	1514	9.0			0.46	1.8		31.1	17.4	22.4
23.0	1514	10.0			0.46	1.7		31.1	17.3	22.4
23.0	1514	11.0			0.47	1.8		31.1	17.3	22.4
23.0	1514	12.0			0.47	1.8		31.1	17.3	22.4
23.0	1514	13.0			0.48	1.8		31.1	17.3	22.4
23.0	1514	14.0			0.48	1.8		31.1	17.3	22.4
23.0	1514	15.0			0.49	1.8		31.1	17.3	22.4
23.0	1514	16.0			0.49	1.8		31.1	17.3	22.4
23.0	1514	17.0			0.49	1.8		31.1	17.3	22.4
22.0	1459	1.0			0.45	1.7	1.9	31.1	17.3	22.5
22.0	1459	2.0			0.45	1.7		31.1	17.3	22.5
22.0	1459	3.0			0.46	1.7		31.1	17.2	22.5
22.0	1459	4.0			0.47	1.8		31.2	17.1	22.6
22.0	1459	5.0			0.48	1.8		31.2	17.0	22.6
22.0	1459	6.0			0.49	1.8		31.3	16.9	22.7
22.0	1459	7.0			0.50	1.8		31.3	16.8	22.7
22.0	1459	8.0			0.51	1.8		31.2	16.8	22.7
22.0	1459	9.0			0.52	1.8		31.2	16.8	22.7
22.0	1459	10.0			0.52	1.8		31.2	16.7	22.7
22.0	1459	11.0			0.52	1.8		31.2	16.7	22.7
22.0	1459	12.0			0.52	1.8		31.2	16.7	22.7
22.0	1459	13.0			0.52	1.8		31.2	16.7	22.7
22.0	1459	14.0			0.52	1.8		31.2	16.7	22.7
22.0	1459	15.0			0.51	1.8		31.2	16.7	22.7
22.0	1459	16.0			0.51	1.8		31.2	16.7	22.7
22.0	1459	17.0			0.51	1.8		31.2	16.7	22.7
22.0	1459	18.0			0.51	1.8		31.2	16.7	22.7
21.0	1444	1.0	1.9	0.47	0.47	1.8	1.9	31.1	17.5	22.4
21.0	1444	2.0			0.47	1.8		31.2	17.3	22.6

LOCATION: South San Francisco Bay
 DATE: June 29, 1990
 JULIAN DAY: 90180

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
21.0	1444	3.0			0.48	1.8		31.2	17.2	22.5
21.0	1444	4.0			0.49	1.8		31.2	17.2	22.5
21.0	1444	5.0			0.49	1.8		31.2	17.2	22.5
21.0	1444	6.0			0.50	1.8		31.2	17.1	22.5
21.0	1444	7.0			0.51	1.8		31.2	17.1	22.5
21.0	1444	8.0			0.52	1.8		31.2	17.1	22.5
21.0	1444	9.0			0.53	1.8		31.2	17.1	22.5
21.0	1444	10.0			0.53	1.8		31.2	17.1	22.6
21.0	1444	11.0			0.52	1.8		31.2	17.1	22.5
21.0	1444	12.0			0.53	1.8		31.2	17.1	22.5
21.0	1444	13.0			0.54	1.9		31.2	17.1	22.5
21.0	1444	14.0			0.55	1.9		31.2	17.1	22.5
21.0	1444	15.0			0.56	1.9		31.2	17.1	22.5
21.0	1444	16.0	1.6	0.19	0.57	1.9		31.1	17.1	22.5

Fluorometer Calibration:	n	r ²	A	B	Syx
	8	0.16	1.1	1.44	0.3

LOCATION: North San Francisco Bay
DATE: July 30, 1990
JULIAN DAY: 90211

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657.0	1935	1.0	2.3	0.61	0.47	1.9	1.8	0.1	22.5	0.0
657.0	1935	2.0			0.47	1.9		0.1	22.6	0.0
657.0	1935	3.0			0.47	1.9		0.1	22.6	0.0
657.0	1935	4.0			0.48	2.0		0.1	22.6	0.0
657.0	1935	5.0			0.48	2.0		0.1	22.6	0.0
657.0	1935	6.0			0.48	2.0		0.1	22.6	0.0
657.0	1935	7.0			0.48	2.1		0.1	22.6	0.0
657.0	1935	8.0	1.9	0.46	0.49	2.1		0.1	22.6	0.0
653.0	1900	1.0	2.6	0.54	0.54	2.7	2.5	0.2	21.9	0.0
653.0	1900	2.0			0.54	2.7		0.2	21.9	0.0
653.0	1900	3.0			0.54	2.7		0.2	21.9	0.0
653.0	1900	4.0			0.54	2.7		0.2	21.9	0.0
653.0	1900	5.0			0.54	2.7		0.2	21.9	0.0
653.0	1900	6.0			0.55	2.8		0.2	21.9	0.0
653.0	1900	7.0			0.55	2.8		0.2	21.9	0.0
653.0	1900	8.0	3.0	0.56	0.55	2.9		0.2	21.9	0.0
649.0	1830	1.0			0.57	3.0	3.2	1.8	21.1	0.0
649.0	1830	2.0			0.57	3.0		1.8	21.1	0.0
649.0	1830	3.0			0.57	3.0		1.8	21.1	0.0
649.0	1830	4.0			0.58	3.1		1.7	21.1	0.0
649.0	1830	5.0			0.58	3.1		1.7	21.1	0.0
649.0	1830	6.0			0.58	3.1		1.8	21.2	0.0
649.0	1830	7.0			0.57	3.1		2.0	21.4	0.0
649.0	1830	8.0			0.57	3.1		2.2	21.4	0.0
649.0	1830	9.0			0.57	3.0		2.2	21.3	0.0
649.0	1830	10.0			0.56	2.9		2.3	21.3	0.0
649.0	1830	11.0			0.58	3.1		2.3	21.3	0.0
2.0	1810	1.0	2.4	0.58	0.51	2.4	2.6	3.2	21.5	0.3
2.0	1810	2.0			0.51	2.4		3.1	21.5	0.3
2.0	1810	3.0			0.51	2.4		3.1	21.5	0.3
2.0	1810	4.0			0.51	2.4		3.1	21.5	0.3
2.0	1810	5.0			0.51	2.4		3.1	21.5	0.3
2.0	1810	6.0			0.51	2.4		3.1	21.5	0.3
2.0	1810	7.0			0.50	2.3		3.3	21.4	0.4
2.0	1810	8.0			0.50	2.2		3.8	21.4	0.8
2.0	1810	9.0			0.48	2.0		4.3	21.0	1.3
2.0	1810	10.0	1.1	0.26	0.47	1.9		4.6	20.9	1.5
3.0	1750	1.0			0.48	2.1	2.7	4.1	21.5	1.0
3.0	1750	2.0			0.48	2.1		4.1	21.5	1.0
3.0	1750	3.0			0.48	2.0		4.1	21.5	1.0
3.0	1750	4.0			0.48	2.1		4.1	21.5	1.0
3.0	1750	5.0			0.49	2.1		4.1	21.4	1.0
3.0	1750	6.0			0.49	2.1		4.1	21.4	1.0
3.0	1750	7.0			0.49	2.1		4.2	21.3	1.1
3.0	1750	8.0			0.49	2.1		4.3	21.3	1.2
3.0	1750	9.0			0.48	2.1		4.4	21.3	1.2
3.0	1750	10.0			0.47	1.8		4.7	21.2	1.5
3.0	1750	11.0			0.45	1.7		4.9	21.1	1.7
3.0	1750	12.0			0.44	1.5		4.9	21.0	1.7
3.0	1750	13.0			0.43	1.4		5.1	20.7	1.9
4.0	1720	1.0	1.3	0.46	0.41	1.2	2.8	5.9	20.9	2.5
4.0	1720	2.0			0.41	1.2		5.9	20.9	2.5
4.0	1720	3.0			0.41	1.2		5.9	20.9	2.5
4.0	1720	4.0			0.41	1.3		5.9	20.8	2.5
4.0	1720	5.0			0.41	1.2		6.0	20.5	2.6
4.0	1720	6.0			0.41	1.3		6.1	20.5	2.7
4.0	1720	7.0			0.42	1.4		6.3	20.5	2.9
4.0	1720	8.0			0.42	1.4		6.3	20.5	2.9
4.0	1720	9.0			0.42	1.4		6.4	20.5	2.9
4.0	1720	10.0			0.42	1.3		6.4	20.4	3.0

LOCATION: North San Francisco Bay
DATE: July 30, 1990
JULIAN DAY: 90211

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
4.0	1720	11.0			0.41	1.3		6.4	20.5	3.0
4.0	1720	12.0	0.3	0.08	0.41	1.2		6.5	20.5	3.0
5.0	1605	1.0			0.42	1.3	2.1	7.5	21.0	3.7
5.0	1605	2.0			0.42	1.3		7.5	21.0	3.7
5.0	1605	3.0			0.41	1.2		7.5	20.9	3.7
5.0	1605	4.0			0.42	1.3		7.5	20.9	3.7
5.0	1605	5.0			0.41	1.3		7.5	20.9	3.7
5.0	1605	6.0			0.41	1.3		7.5	20.7	3.8
5.0	1605	7.0			0.41	1.3		7.5	20.8	3.7
5.0	1605	8.0			0.42	1.3		7.5	20.8	3.8
5.0	1605	9.0			0.42	1.3		7.5	20.7	3.8
5.0	1605	10.0			0.42	1.3		7.6	20.6	3.8
5.0	1605	11.0			0.41	1.3		7.6	20.5	3.8
5.0	1605	12.0			0.41	1.2		7.6	20.5	3.9
6.0	1450	1.0	1.6	0.49	0.45	1.7	3.5	10.2	20.7	5.8
6.0	1450	2.0			0.45	1.7		10.2	20.7	5.8
6.0	1450	3.0			0.45	1.7		10.3	20.7	5.8
6.0	1450	4.0			0.46	1.7		10.3	20.7	5.9
6.0	1450	5.0			0.46	1.8		10.3	20.7	5.9
6.0	1450	6.0			0.46	1.8		10.4	20.7	5.9
6.0	1450	7.0			0.46	1.8		10.4	20.6	6.0
6.0	1450	8.0			0.45	1.7		10.6	20.4	6.1
6.0	1450	9.0			0.44	1.6		11.3	20.3	6.7
6.0	1450	10.0	0.9	0.31	0.44	1.5		12.0	20.3	7.3
7.0	1410	1.0			0.43	1.4	2.4	14.7	20.7	9.2
7.0	1410	2.0			0.43	1.4		14.7	20.7	9.2
7.0	1410	3.0			0.43	1.4		14.7	20.7	9.2
7.0	1410	4.0			0.43	1.4		14.7	20.7	9.2
7.0	1410	5.0			0.43	1.4		14.7	20.6	9.2
7.0	1410	6.0			0.43	1.4		14.8	20.5	9.3
7.0	1410	7.0			0.42	1.3		14.9	20.2	9.4
7.0	1410	8.0			0.41	1.2		15.0	20.2	9.5
7.0	1410	9.0			0.40	1.1		15.6	20.1	10.0
7.0	1410	10.0			0.39	1.0		16.1	20.1	10.4
7.0	1410	11.0			0.37	0.7		16.5	20.0	10.7
7.0	1410	12.0			0.37	0.7		16.8	20.0	10.9
7.0	1410	13.0			0.36	0.7		17.1	20.0	11.2
7.0	1410	14.0			0.35	0.5		17.2	20.0	11.2
8.0	1335	1.0	1.9	0.70	0.42	1.3	1.8	16.7	20.4	10.8
8.0	1335	2.0			0.42	1.3		16.7	20.4	10.8
8.0	1335	3.0			0.42	1.3		16.7	20.4	10.7
8.0	1335	4.0			0.41	1.2		16.9	20.4	10.9
8.0	1335	5.0			0.39	1.0		17.9	20.1	11.8
8.0	1335	6.0			0.38	0.9		18.6	20.0	12.3
8.0	1335	7.0			0.37	0.7		19.1	19.9	12.7
8.0	1335	8.0			0.36	0.7		19.4	19.9	13.0
8.0	1335	9.0			0.36	0.6		19.6	19.9	13.1
8.0	1335	10.0			0.35	0.5		20.0	20.0	13.3
8.0	1335	11.0			0.34	0.4		20.2	20.0	13.5
8.0	1335	12.0			0.33	0.3		20.4	20.0	13.7
8.0	1335	13.0			0.32	0.2		20.6	20.0	13.8
8.0	1335	14.0	0.0	0.00	0.32	0.1		20.8	20.0	14.0
9.0	1310	1.0			0.44	1.5	1.6	18.3	20.4	12.0
9.0	1310	2.0			0.44	1.5		18.4	20.3	12.1
9.0	1310	3.0			0.43	1.5		18.5	20.3	12.1
9.0	1310	4.0			0.41	1.2		19.4	19.9	12.9
9.0	1310	5.0			0.39	1.0		19.5	19.9	13.0
9.0	1310	6.0			0.38	0.9		19.7	19.9	13.1
9.0	1310	7.0			0.37	0.8		19.7	19.9	13.2
9.0	1310	8.0			0.37	0.7		19.6	19.9	13.1

LOCATION: North San Francisco Bay
 DATE: July 30, 1990
 JULIAN DAY: 90211

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9.0	1310	9.0			0.37	0.7		19.6	19.9	13.1
9.0	1310	10.0			0.36	0.6		19.7	19.9	13.1
9.0	1310	11.0			0.34	0.4		19.7	19.9	13.1
9.0	1310	12.0			0.33	0.3		19.6	19.9	13.1
9.0	1310	13.0			0.32	0.2		20.4	19.9	13.7
9.0	1310	14.0			0.32	0.2		21.6	19.9	14.6
9.0	1310	15.0			0.31	0.1		22.0	19.9	14.9
9.0	1310	16.0			0.32	0.2		22.1	19.9	14.9
9.0	1310	17.0			0.31	0.1		22.1	19.9	15.0
9.0	1310	18.0			0.31	0.1		22.1	19.9	15.0
9.0	1310	19.0			0.31	0.0		22.3	19.9	15.1
9.0	1310	20.0			0.31	0.1		22.5	19.9	15.3
9.0	1310	21.0			0.31	0.0		22.6	19.9	15.4
9.0	1310	22.0			0.31	0.0		22.7	19.9	15.4
9.0	1310	23.0			0.31	0.0		22.7	19.8	15.5
9.0	1310	24.0			0.30	0.0		22.8	19.8	15.5
9.0	1310	25.0			0.31	0.0		22.9	19.8	15.6
9.0	1310	26.0			0.33	0.3		22.9	19.8	15.6
9.0	1310	27.0			0.34	0.5		22.9	19.8	15.6
10.0	1253	1.0	3.3	0.76	0.49	2.1	1.3	20.7	20.1	13.9
10.0	1253	2.0			0.49	2.1		21.0	19.9	14.2
10.0	1253	3.0			0.46	1.8		21.3	19.8	14.4
10.0	1253	4.0			0.45	1.7		21.4	19.8	14.5
10.0	1253	5.0			0.44	1.5		21.5	19.8	14.5
10.0	1253	6.0			0.43	1.4		21.6	19.8	14.7
10.0	1253	7.0			0.42	1.3		21.9	19.8	14.8
10.0	1253	8.0			0.41	1.2		22.2	19.8	15.1
10.0	1253	9.0			0.40	1.1		22.4	19.8	15.2
10.0	1253	10.0			0.38	0.9		22.7	19.8	15.4
10.0	1253	11.0			0.36	0.6		22.9	19.8	15.6
10.0	1253	12.0			0.35	0.5		23.0	19.8	15.7
10.0	1253	13.0			0.33	0.4		23.2	19.8	15.8
10.0	1253	14.0			0.33	0.3		23.3	19.8	15.9
10.0	1253	15.0			0.32	0.2		23.4	19.8	15.9
10.0	1253	16.0			0.32	0.1		23.4	19.8	16.0
10.0	1253	17.0	0.4	0.23	0.31	0.1		23.4	19.8	16.0
11.0	1240	1.0			0.44	1.6	1.2	23.5	20.1	16.0
11.0	1240	2.0			0.44	1.6		23.5	20.0	16.0
11.0	1240	3.0			0.44	1.6		23.7	19.9	16.2
11.0	1240	4.0			0.42	1.3		23.9	19.8	16.4
11.0	1240	5.0			0.41	1.2		24.0	19.6	16.5
11.0	1240	6.0			0.40	1.1		24.0	19.6	16.5
11.0	1240	7.0			0.39	1.0		24.0	19.5	16.5
11.0	1240	8.0			0.39	0.9		24.0	19.7	16.5
11.0	1240	9.0			0.38	0.9		24.0	19.7	16.5
11.0	1240	10.0			0.37	0.7		24.0	19.8	16.5
11.0	1240	11.0			0.36	0.7		24.1	19.8	16.5
11.0	1240	12.0			0.37	0.7		24.6	19.8	16.9
11.0	1240	13.0			0.38	0.8		25.0	19.8	17.2
11.0	1240	14.0			0.38	0.9		25.0	19.8	17.2
11.0	1240	15.0			0.39	0.9		25.1	19.8	17.3
13.0	1135	1.0	5.7	0.89	0.79	5.6	1.1	26.1	19.3	18.1
13.0	1135	2.0			0.79	5.6		26.1	19.3	18.2
13.0	1135	3.0			0.78	5.5		26.2	19.3	18.2
13.0	1135	4.0			0.66	4.1		27.1	19.0	19.0
13.0	1135	5.0			0.62	3.6		27.8	18.8	19.6
13.0	1135	6.0			0.56	2.9		28.2	18.7	19.9
13.0	1135	7.0			0.52	2.5		28.5	18.7	20.1
13.0	1135	8.0			0.49	2.1		28.6	18.7	20.2
13.0	1135	9.0			0.46	1.8		28.8	18.6	20.4
13.0	1135	10.0	1.2	0.51	0.45	1.7		28.9	18.6	20.5
15.0	1050	1.0	3.5	0.80	0.59	3.3	1.1	28.2	18.7	19.9

LOCATION: North San Francisco Bay
 DATE: July 30, 1990
 JULIAN DAY: 90211

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
15.0	1050	2.0			0.59	3.3		28.2	18.7	19.9
15.0	1050	3.0			0.59	3.3		28.3	18.7	20.0
15.0	1050	4.0			0.57	3.1		28.5	18.5	20.2
15.0	1050	5.0			0.53	2.6		29.1	18.4	20.7
15.0	1050	6.0			0.50	2.2		29.5	18.4	20.9
15.0	1050	7.0			0.48	2.0		29.6	18.4	21.0
15.0	1050	8.0			0.47	1.8		29.6	18.4	21.1
15.0	1050	9.0			0.45	1.7		29.8	18.3	21.2
15.0	1050	10.0			0.45	1.6		30.1	18.1	21.5
15.0	1050	11.0			0.43	1.5		30.2	18.0	21.6
15.0	1050	12.0			0.43	1.4		30.2	18.0	21.6
15.0	1050	13.0			0.42	1.3		30.2	18.0	21.6
15.0	1050	14.0			0.42	1.3		30.3	17.9	21.7
15.0	1050	15.0			0.41	1.3		30.3	17.9	21.7
15.0	1050	16.0			0.42	1.4		30.4	17.9	21.8
15.0	1050	17.0			0.41	1.2		30.4	17.9	21.8
15.0	1050	18.0			0.41	1.3		30.4	17.9	21.8
15.0	1050	19.0			0.42	1.3		30.4	17.9	21.8
15.0	1050	20.0			0.41	1.2		30.4	17.9	21.8
15.0	1050	21.0			0.42	1.3		30.4	17.9	21.8
15.0	1050	22.0			0.41	1.3		30.4	17.9	21.8
15.0	1050	23.0	2.0	0.45	0.41	1.2		30.4	17.9	21.8
18.0	940	1.0	5.1	0.77	0.77	5.3	1.0	30.7	17.5	22.1
18.0	940	2.0			0.77	5.3		30.7	17.5	22.1
18.0	940	3.0			0.77	5.3		30.7	17.5	22.1
18.0	940	4.0			0.77	5.3		30.8	17.4	22.2
18.0	940	5.0			0.72	4.8		31.5	17.0	22.9
18.0	940	6.0			0.68	4.4		31.9	16.8	23.2
18.0	940	7.0			0.63	3.7		32.0	16.6	23.3
18.0	940	8.0			0.59	3.3		32.2	16.4	23.5
18.0	940	9.0			0.56	2.9		32.2	16.3	23.5
18.0	940	10.0			0.54	2.7		32.2	16.3	23.5
18.0	940	11.0			0.50	2.2		32.2	16.3	23.5
18.0	940	12.0			0.49	2.1		32.2	16.3	23.6
18.0	940	13.0			0.49	2.1		32.2	16.2	23.6
18.0	940	14.0			0.48	2.1		32.3	16.2	23.6
18.0	940	15.0			0.49	2.1		32.3	16.1	23.6
18.0	940	16.0			0.49	2.1		32.3	16.1	23.7
18.0	940	17.0			0.49	2.2		32.3	16.1	23.7
18.0	940	18.0			0.49	2.2		32.3	16.0	23.7
18.0	940	19.0			0.49	2.2		32.4	16.0	23.7
18.0	940	20.0			0.50	2.2		32.4	16.0	23.8
18.0	940	21.0			0.50	2.2		32.4	15.9	23.8
18.0	940	22.0			0.50	2.2		32.4	15.9	23.8
18.0	940	23.0			0.50	2.2		32.4	15.9	23.8
18.0	940	24.0			0.50	2.2		32.4	15.9	23.8
18.0	940	25.0			0.49	2.2		32.5	15.8	23.8
18.0	940	26.0			0.50	2.2		32.5	15.8	23.8
18.0	940	27.0			0.50	2.2		32.5	15.8	23.8
18.0	940	28.0			0.50	2.2		32.5	15.8	23.8
18.0	940	29.0			0.50	2.3		32.5	15.8	23.8
18.0	940	30.0			0.50	2.2		32.5	15.8	23.9
18.0	940	31.0			0.50	2.3		32.5	15.8	23.9
18.0	940	32.0			0.50	2.3		32.5	15.8	23.9
18.0	940	33.0			0.50	2.3		32.5	15.8	23.9
18.0	940	34.0			0.50	2.3		32.5	15.8	23.9
18.0	940	35.0	2.2	0.34	0.50	2.3		32.5	15.7	23.9

Fluorometer Calibration: n r^2 A B Syx
 20 0.88 -3.5 11.46 0.5

LOCATION: South San Francisco Bay
 DATE: July 31, 1990
 JULIAN DAY: 90212

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
30.0	2200	1.0	2.1	0.55	0.56	2.5		31.6	21.7	21.7
30.0	2200	2.0			0.56	2.5		31.6	21.7	21.7
30.0	2200	3.0			0.57	2.5		31.6	21.7	21.7
30.0	2200	4.0			0.57	2.5		31.6	21.7	21.7
30.0	2200	5.0			0.57	2.5		31.6	21.7	21.7
30.0	2200	6.0			0.57	2.6		31.6	21.7	21.7
30.0	2200	7.0			0.58	2.6		31.6	21.7	21.7
30.0	2200	8.0			0.58	2.6		31.6	21.7	21.7
30.0	2200	9.0			0.58	2.6		31.6	21.7	21.7
30.0	2200	10.0			0.56	2.4		31.6	21.7	21.7
30.0	2200	11.0			0.56	2.4		31.6	21.7	21.7
30.0	2200	12.0			0.55	2.3		31.6	21.7	21.7
30.0	2200	13.0	1.9	0.46	0.56	2.4		31.5	21.7	21.7
29.0	2130	1.0			0.56	2.4		31.5	21.4	21.8
29.0	2130	2.0			0.56	2.4		31.5	21.4	21.8
29.0	2130	3.0			0.56	2.4		31.5	21.4	21.8
29.0	2130	4.0			0.56	2.4		31.6	21.4	21.8
29.0	2130	5.0			0.56	2.4		31.6	21.4	21.8
29.0	2130	6.0			0.55	2.3		31.6	21.4	21.8
29.0	2130	7.0			0.56	2.4		31.6	21.4	21.8
29.0	2130	8.0			0.55	2.3		31.6	21.4	21.8
29.0	2130	9.0			0.55	2.3		31.6	21.4	21.8
29.0	2130	10.0			0.54	2.3		31.6	21.4	21.8
29.0	2130	11.0			0.53	2.1		31.6	21.4	21.8
29.0	2130	12.0			0.53	2.1		31.6	21.4	21.8
29.0	2130	13.0			0.52	2.0		31.6	21.4	21.8
29.0	2130	14.0			0.52	2.0		31.6	21.4	21.8
29.0	2130	15.0			0.51	1.9		31.6	21.4	21.8
28.0	2045	1.0			0.52	2.0		31.6	21.2	21.8
28.0	2045	2.0			0.52	2.0		31.6	21.2	21.8
28.0	2045	3.0			0.53	2.1		31.6	21.2	21.8
28.0	2045	4.0			0.53	2.1		31.6	21.2	21.8
28.0	2045	5.0			0.53	2.2		31.6	21.2	21.8
28.0	2045	6.0			0.54	2.2		31.6	21.2	21.8
28.0	2045	7.0			0.54	2.3		31.6	21.2	21.8
28.0	2045	8.0			0.54	2.3		31.6	21.2	21.8
27.0	2010	1.0	2.7	0.62	0.57	2.5	1.1	31.6	20.7	22.0
27.0	2010	2.0			0.57	2.5		31.6	20.7	22.0
27.0	2010	3.0			0.57	2.5		31.6	20.7	22.0
27.0	2010	4.0			0.57	2.5		31.6	20.7	22.0
27.0	2010	5.0			0.58	2.6		31.6	20.7	22.0
27.0	2010	6.0			0.59	2.7		31.6	20.7	22.0
27.0	2010	7.0			0.60	2.8		31.6	20.7	22.0
27.0	2010	8.0			0.61	2.9		31.6	20.7	22.0
27.0	2010	9.0			0.61	2.9		31.6	20.7	22.0
27.0	2010	10.0			0.61	2.9		31.6	20.7	22.0
27.0	2010	11.0			0.61	2.9		31.6	20.7	22.0
27.0	2010	12.0			0.61	2.9		31.6	20.7	22.0
27.0	2010	13.0			0.60	2.9		31.6	20.7	22.0
27.0	2010	14.0	2.3	0.50	0.60	2.9		31.6	20.7	22.0
26.0	1954	1.0			0.54	2.2	2.1	31.6	20.3	22.1
26.0	1954	2.0			0.54	2.2		31.6	20.3	22.1
26.0	1954	3.0			0.54	2.2		31.6	20.3	22.1
26.0	1954	4.0			0.54	2.2		31.5	20.3	22.1
26.0	1954	5.0			0.54	2.3		31.5	20.3	22.1
26.0	1954	6.0			0.55	2.3		31.5	20.3	22.0
26.0	1954	7.0			0.56	2.4		31.5	20.3	22.1
26.0	1954	8.0			0.56	2.5		31.5	20.3	22.1
26.0	1954	9.0			0.57	2.5		31.5	20.3	22.1
26.0	1954	10.0			0.56	2.4		31.5	20.3	22.1
26.0	1954	11.0			0.55	2.3		31.6	20.3	22.1

LOCATION: South San Francisco Bay
DATE: July 31, 1990
JULIAN DAY: 90212

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
26.0	1954	12.0			0.55	2.4		31.6	20.3	22.1
25.0	1935	1.0			0.56	2.4	2.0	31.5	20.1	22.1
25.0	1935	2.0			0.56	2.4		31.5	20.1	22.1
25.0	1935	3.0			0.56	2.4		31.5	20.1	22.1
25.0	1935	4.0			0.56	2.4		31.5	20.1	22.1
25.0	1935	5.0			0.56	2.4		31.5	20.1	22.1
25.0	1935	6.0			0.56	2.5		31.5	20.1	22.1
25.0	1935	7.0			0.58	2.6		31.5	20.1	22.1
25.0	1935	8.0			0.59	2.7		31.5	20.1	22.1
25.0	1935	9.0			0.59	2.7		31.5	20.1	22.1
24.0	1915	1.0	2.6	0.55	0.53	2.1	1.8	31.7	18.4	22.6
24.0	1915	2.0			0.53	2.1		31.7	18.4	22.6
24.0	1915	3.0			0.53	2.1		31.7	18.4	22.6
24.0	1915	4.0			0.53	2.1		31.7	18.4	22.6
24.0	1915	5.0			0.53	2.1		31.7	18.4	22.6
24.0	1915	6.0			0.53	2.1		31.7	18.4	22.6
24.0	1915	7.0			0.54	2.2		31.7	18.4	22.6
24.0	1915	8.0			0.54	2.3		31.7	18.4	22.6
24.0	1915	9.0			0.55	2.3		31.7	18.4	22.6
24.0	1915	10.0			0.54	2.2		31.7	18.4	22.6
24.0	1915	11.0	2.4	0.49	0.54	2.2		31.7	18.4	22.6
23.0	1845	1.0			0.54	2.2	1.3	31.6	17.9	22.7
23.0	1845	2.0			0.54	2.2		31.6	17.9	22.7
23.0	1845	3.0			0.54	2.3		31.6	17.9	22.7
23.0	1845	4.0			0.54	2.2		31.6	17.8	22.7
23.0	1845	5.0			0.54	2.2		31.6	17.9	22.7
23.0	1845	6.0			0.54	2.3		31.6	17.9	22.7
23.0	1845	7.0			0.55	2.3		31.6	17.9	22.7
23.0	1845	8.0			0.55	2.3		31.6	17.9	22.7
23.0	1845	9.0			0.55	2.3		31.6	17.9	22.7
23.0	1845	10.0			0.54	2.2		31.6	17.9	22.7
23.0	1845	11.0			0.53	2.1		31.7	17.9	22.7
23.0	1845	12.0			0.54	2.2		31.7	17.9	22.7
23.0	1845	13.0			0.53	2.1		31.7	17.9	22.7
23.0	1845	14.0			0.53	2.1		31.7	17.9	22.7
23.0	1845	15.0			0.54	2.2		31.7	17.9	22.7
23.0	1845	16.0			0.53	2.1		31.7	17.9	22.7
22.0	1825	1.0			0.54	2.3	0.9	31.7	17.3	22.9
22.0	1825	2.0			0.54	2.3		31.7	17.3	22.9
22.0	1825	3.0			0.54	2.2		31.7	17.3	22.9
22.0	1825	4.0			0.54	2.2		31.7	17.2	23.0
22.0	1825	5.0			0.53	2.1		31.8	17.0	23.1
22.0	1825	6.0			0.52	2.0		31.8	17.0	23.1
22.0	1825	7.0			0.51	2.0		31.8	17.0	23.1
22.0	1825	8.0			0.50	1.8		32.1	16.7	23.3
22.0	1825	9.0			0.49	1.7		32.2	16.5	23.5
22.0	1825	10.0			0.48	1.6		32.2	16.4	23.5
22.0	1825	11.0			0.47	1.5		32.2	16.4	23.5
22.0	1825	12.0			0.46	1.4		32.2	16.4	23.5
22.0	1825	13.0			0.47	1.6		32.2	16.4	23.5
22.0	1825	14.0			0.48	1.6		32.2	16.4	23.5
22.0	1825	15.0			0.48	1.7		32.2	16.4	23.5
22.0	1825	16.0			0.49	1.7		32.2	16.4	23.5
22.0	1825	17.0			0.49	1.7		32.2	16.4	23.5
21.0	1755	1.0	4.3	0.77	0.72	4.0	1.1	31.7	18.0	22.7
21.0	1755	2.0			0.72	4.0		31.7	17.9	22.8
21.0	1755	3.0			0.71	3.9		31.7	17.9	22.8
21.0	1755	4.0			0.70	3.9		31.7	17.8	22.8
21.0	1755	5.0			0.70	3.8		31.7	17.9	22.8
21.0	1755	6.0			0.70	3.8		31.7	17.8	22.8

LOCATION: South San Francisco Bay
 DATE: July 31, 1990
 JULIAN DAY: 90212

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
21.0	1755	7.0			0.70	3.8		31.7	17.8	22.8
21.0	1755	8.0			0.70	3.8		31.7	17.8	22.8
21.0	1755	9.0			0.69	3.8		31.7	17.8	22.8
21.0	1755	10.0			0.66	3.4		32.1	17.0	23.3
21.0	1755	11.0			0.62	3.0		32.0	16.8	23.3
21.0	1755	12.0			0.59	2.8		32.0	16.7	23.3
21.0	1755	13.0			0.57	2.5		32.1	16.7	23.3
21.0	1755	14.0			0.55	2.3		32.1	16.6	23.3
21.0	1755	15.0	2.5	0.54	0.54	2.2		32.1	16.6	23.3

Fluorometer Calibration: n r^2 A B Syx
 8 0.68 -3.2 10.00 0.5

LOCATION: North San Francisco Bay
 DATE: August 22, 1990
 JULIAN DAY: 90234

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGHT
657	1552	1.0	1.4	0.45	0.40	1.0	1.9	0.1	22.6	0.0
657	1552	2.0			0.40	1.0		0.1	22.5	0.0
657	1552	3.0			0.40	1.0		0.1	22.4	0.0
657	1552	4.0			0.40	1.0		0.1	22.4	0.0
657	1552	5.0			0.41	1.0		0.1	22.4	0.0
657	1552	6.0	1.5	0.37	0.41	1.1	2.6	0.1	22.4	0.0
657	1552	7.0			0.41	1.1		0.1	22.4	0.0
657	1552	8.0			0.42	1.2		0.1	22.4	0.0
657	1552	9.0			0.42	1.2		0.1	22.4	0.0
657	1552	10.0			0.42	1.2		0.1	22.4	0.0
653	1524	1.0	2.5	0.50	0.51	2.1	2.9	0.2	22.7	0.0
653	1524	2.0			0.51	2.1		0.1	22.5	0.0
653	1524	3.0			0.50	2.0		0.1	22.1	0.0
653	1524	4.0			0.50	2.0		0.1	21.9	0.0
653	1524	5.0			0.50	2.0		0.2	21.9	0.0
653	1524	6.0			0.50	2.1		0.2	21.9	0.0
653	1524	7.0			0.51	2.2		0.2	21.9	0.0
653	1524	8.0			0.52	2.2		0.2	21.9	0.0
653	1524	9.0			0.53	2.3		0.2	21.9	0.0
653	1524	10.0			0.54	2.4		0.2	21.9	0.0
649	1455	1.0	3.4	0.55	0.58	2.8	2.9	0.9	21.9	0.0
649	1455	2.0			0.58	2.8		0.9	21.6	0.0
649	1455	3.0			0.58	2.8		0.9	21.5	0.0
649	1455	4.0			0.58	2.9		1.0	21.5	0.0
649	1455	5.0			0.59	2.9		0.9	21.5	0.0
649	1455	6.0			0.60	3.0		0.9	21.5	0.0
649	1455	7.0			0.60	3.0		1.0	21.4	0.0
649	1455	8.0			0.61	3.1		1.0	21.3	0.0
649	1455	9.0			0.61	3.1		1.0	21.3	0.0
649	1455	10.0			0.61	3.2		1.0	21.3	0.0
2	1435	1.0	2.7	0.51	0.55	2.5	2.8	1.6	21.6	0.0
2	1435	2.0			0.55	2.5		1.7	21.5	0.0
2	1435	3.0			0.55	2.5		1.7	21.5	0.0
2	1435	4.0			0.55	2.5		1.9	21.6	0.0
2	1435	5.0			0.55	2.5		2.0	21.6	0.0
2	1435	6.0			0.56	2.6		2.1	21.7	0.0
2	1435	7.0			0.57	2.7		2.1	21.7	0.0
2	1435	8.0			0.57	2.7		2.1	21.7	0.0
2	1435	9.0			0.58	2.8		2.2	21.7	0.0
2	1435	10.0			0.58	2.9		2.2	21.7	0.0
2	1435	11.0	2.0	0.24	0.59	2.9	2.6	2.2	21.7	0.0
3	1420	1.0			0.53	2.3		2.1	21.6	0.0
3	1420	2.0			0.53	2.3		2.2	21.5	0.0
3	1420	3.0			0.53	2.3		2.2	21.4	0.0
3	1420	4.0			0.53	2.3		2.3	21.4	0.0
3	1420	5.0			0.53	2.3		2.3	21.4	0.0
3	1420	6.0			0.53	2.4		2.4	21.4	0.0
3	1420	7.0			0.54	2.4		2.4	21.4	0.0
3	1420	8.0			0.54	2.4		2.5	21.4	0.0
3	1420	9.0			0.55	2.5		2.5	21.4	0.0
3	1420	10.0			0.54	2.5		2.5	21.4	0.0
3	1420	11.0			0.53	2.4		2.5	21.4	0.0
3	1420	12.0			0.54	2.4		2.6	21.4	0.0
4	1357	1.0	1.2	0.40	0.47	1.7	2.9	3.2	21.4	0.3
4	1357	2.0			0.47	1.7		3.3	21.3	0.4
4	1357	3.0			0.46	1.6		3.3	21.3	0.4
4	1357	4.0			0.46	1.6		3.3	21.3	0.5
4	1357	5.0			0.46	1.6		3.4	21.2	0.5
4	1357	6.0			0.47	1.7		3.4	21.2	0.5

LOCATION: North San Francisco Bay
 DATE: August 22, 1990
 JULIAN DAY: 90234

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
4	1357	7.0			0.47	1.7		3.4	21.2	0.5
4	1357	8.0			0.47	1.7		3.4	21.2	0.5
4	1357	9.0			0.47	1.8		3.5	21.3	0.6
4	1357	10.0			0.47	1.7		3.6	21.3	0.7
4	1357	11.0			0.48	1.8		3.7	21.3	0.7
4	1357	12.0	1.5	0.24	0.48	1.8		3.7	21.4	0.7
5	1335	1.0	2.2	0.44	0.43	1.3	3.0	4.1	21.6	0.9
5	1335	2.0			0.43	1.3		4.1	21.6	0.9
5	1335	3.0			0.43	1.3		4.1	21.5	1.0
5	1335	4.0			0.43	1.3		4.1	21.2	1.1
5	1335	5.0			0.43	1.3		4.5	21.2	1.3
5	1335	6.0			0.43	1.3		4.8	21.2	1.6
5	1335	7.0			0.43	1.3		5.0	21.2	1.7
5	1335	8.0			0.44	1.3		5.0	21.2	1.8
5	1335	9.0			0.43	1.3		5.3	21.2	2.0
5	1335	10.0			0.43	1.3		5.5	21.2	2.1
5	1335	11.0			0.42	1.2		5.6	21.2	2.2
5	1335	12.0			0.42	1.2		5.6	21.2	2.2
6	1303	1.0	1.4	0.57	0.40	1.0	2.8	6.1	21.5	2.5
6	1303	2.0			0.40	1.0		6.5	21.1	2.9
6	1303	3.0			0.40	1.0		6.5	21.1	2.9
6	1303	4.0			0.41	1.1		6.6	21.1	2.9
6	1303	5.0			0.42	1.2		6.7	21.1	3.1
6	1303	6.0			0.42	1.2		7.0	21.1	3.3
6	1303	7.0			0.42	1.2		7.2	21.0	3.5
6	1303	8.0			0.43	1.2		7.6	21.0	3.7
6	1303	9.0			0.43	1.3		8.0	20.9	4.1
6	1303	10.0			0.44	1.3		8.3	20.9	4.3
6	1303	11.0	1.1	0.17	0.43	1.3		8.3	20.9	4.3
7	1239	1.0	1.2	0.34	0.42	1.2	3.5	9.8	20.8	5.4
7	1239	2.0			0.42	1.2		9.9	20.8	5.6
7	1239	3.0			0.42	1.2		10.0	20.8	5.6
7	1239	4.0			0.42	1.2		10.0	20.8	5.6
7	1239	5.0			0.42	1.2		10.0	20.8	5.6
7	1239	6.0			0.42	1.2		10.1	20.8	5.7
7	1239	7.0			0.43	1.3		10.5	20.7	6.0
7	1239	8.0			0.43	1.3		10.8	20.7	6.2
7	1239	9.0			0.44	1.4		10.9	20.7	6.3
7	1239	10.0			0.43	1.3		11.0	20.7	6.4
7	1239	11.0			0.43	1.3		11.1	20.7	6.5
7	1239	12.0			0.43	1.2		11.2	20.7	6.6
7	1239	13.0			0.43	1.3		11.3	20.7	6.6
7	1239	14.0			0.44	1.4		11.3	20.7	6.6
8	1218	1.0	1.4	0.43	0.44	1.4	3.8	11.4	20.6	6.7
8	1218	2.0			0.44	1.4		11.7	20.6	6.9
8	1218	3.0			0.44	1.4		11.8	20.6	7.0
8	1218	4.0			0.44	1.4		11.8	20.6	7.0
8	1218	5.0			0.44	1.4		11.8	20.6	7.0
8	1218	6.0			0.44	1.4		11.8	20.6	7.0
8	1218	7.0			0.44	1.4		11.8	20.7	7.0
8	1218	8.0			0.44	1.4		11.8	20.7	7.0
8	1218	9.0			0.45	1.4		11.9	20.7	7.1
8	1218	10.0			0.44	1.4		12.0	20.7	7.2
8	1218	11.0			0.43	1.3		12.2	20.7	7.3
8	1218	12.0			0.42	1.2		12.4	20.6	7.5
8	1218	13.0			0.42	1.2		12.6	20.6	7.6
8	1218	14.0	0.9	0.11	0.42	1.2		13.0	20.6	7.9
9	1150	1.0	1.4	0.41	0.43	1.3	3.8	12.7	20.7	7.7
9	1150	2.0			0.43	1.3		12.8	20.5	7.8
9	1150	3.0			0.43	1.3		12.9	20.5	7.9

LOCATION: North San Francisco Bay
 DATE: August 22, 1990
 JULIAN DAY: 90234

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9	1150	4.0			0.43	1.3		13.1	20.5	8.0
9	1150	5.0			0.44	1.4		13.2	20.5	8.1
9	1150	6.0			0.44	1.4		13.2	20.5	8.1
9	1150	7.0			0.45	1.5		13.3	20.5	8.1
9	1150	8.0			0.45	1.5		13.3	20.5	8.2
9	1150	9.0			0.45	1.5		13.4	20.5	8.2
9	1150	10.0			0.44	1.4		13.5	20.5	8.3
9	1150	11.0			0.43	1.3		13.7	20.5	8.5
9	1150	12.0			0.43	1.3		13.7	20.5	8.5
9	1150	13.0			0.42	1.2		14.0	20.5	8.7
9	1150	14.0			0.42	1.2		14.7	20.5	9.3
9	1150	15.0			0.41	1.1		15.1	20.5	9.5
9	1150	16.0			0.41	1.1		15.3	20.5	9.7
9	1150	17.0			0.41	1.1		15.4	20.5	9.7
9	1150	18.0			0.41	1.0		15.5	20.5	9.8
9	1150	19.0			0.40	1.0		15.6	20.5	9.9
9	1150	20.0			0.40	1.0		15.7	20.5	10.0
9	1150	21.0			0.40	1.0		15.8	20.5	10.1
9	1150	22.0			0.41	1.1		16.0	20.5	10.2
9	1150	23.0			0.40	1.0		16.0	20.5	10.2
9	1150	24.0			0.41	1.1		16.1	20.5	10.3
9	1150	25.0			0.40	1.0		16.1	20.5	10.3
9	1150	26.0			0.41	1.1		16.2	20.5	10.3
9	1150	27.0			0.41	1.1		16.2	20.5	10.3
9	1150	28.0			0.41	1.1		16.2	20.5	10.4
9	1150	29.0			0.41	1.1		16.2	20.5	10.4
9	1150	30.0			0.42	1.2		16.3	20.5	10.5
9	1150	31.0			0.41	1.1		16.4	20.5	10.5
9	1150	32.0			0.41	1.1		16.5	20.5	10.6
9	1150	33.0			0.41	1.1		16.5	20.5	10.6
10	1135	1.0	1.1	0.33	0.42	1.2	4.9	14.3	20.5	8.9
10	1135	2.0			0.42	1.2		14.3	20.5	8.9
10	1135	3.0			0.42	1.2		14.3	20.5	8.9
10	1135	4.0			0.43	1.3		14.3	20.5	8.9
10	1135	5.0			0.43	1.3		14.3	20.5	8.9
10	1135	6.0			0.43	1.3		14.3	20.5	9.0
10	1135	7.0			0.43	1.3		14.4	20.5	9.0
10	1135	8.0			0.44	1.4		14.5	20.5	9.1
10	1135	9.0			0.44	1.4		14.6	20.5	9.1
10	1135	10.0			0.43	1.3		14.8	20.5	9.3
10	1135	11.0			0.42	1.2		15.1	20.5	9.5
10	1135	12.0			0.42	1.2		15.3	20.5	9.7
10	1135	13.0			0.41	1.1		15.5	20.5	9.9
10	1135	14.0			0.41	1.1		15.6	20.5	9.9
10	1135	15.0			0.41	1.1		15.8	20.5	10.1
10	1135	16.0			0.41	1.0		16.8	20.5	10.8
10	1135	17.0	0.6	0.14	0.40	1.0		16.9	20.5	10.9
11	1110	1.0	0.6	0.32	0.39	0.9	3.0	18.6	20.7	12.1
11	1110	2.0			0.39	0.9		18.7	20.7	12.2
11	1110	3.0			0.40	0.9		19.0	20.7	12.4
11	1110	4.0			0.40	1.0		18.9	20.7	12.4
11	1110	5.0			0.40	1.0		19.0	20.6	12.4
11	1110	6.0			0.40	1.0		19.4	20.6	12.8
11	1110	7.0			0.41	1.1		19.5	20.6	12.8
11	1110	8.0			0.40	1.0		19.6	20.6	12.9
11	1110	9.0			0.40	1.0		20.0	20.6	13.2
11	1110	10.0			0.39	0.9		20.2	20.6	13.4
11	1110	11.0			0.37	0.7		20.3	20.6	13.5
11	1110	12.0			0.39	0.9		20.5	20.6	13.6
13	1027	1.0	0.6	0.20	0.40	1.0	3.1	24.6	20.4	16.7
13	1027	2.0			0.40	1.0		24.6	20.4	16.8
13	1027	3.0			0.40	1.0		24.7	20.4	16.9

LOCATION: North San Francisco Bay
 DATE: August 22, 1990
 JULIAN DAY: 90234

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
13	1027	4.0			0.40	1.0				
13	1027	5.0			0.41	1.1		25.0	20.3	17.0
13	1027	6.0			0.42	1.2		25.1	20.3	17.1
13	1027	7.0			0.43	1.3		25.1	20.3	17.2
13	1027	8.0			0.43	1.3		25.2	20.3	17.2
13	1027	9.0			0.46	1.6		25.3	20.3	17.3
13	1027	9.0			0.46	1.6		25.3	20.3	17.3
15	944	1.0			0.46	1.6	3.3	25.6	20.4	17.5
15	944	2.0			0.46	1.6		25.8	20.4	17.7
15	944	3.0			0.46	1.6		26.2	20.4	17.9
15	944	4.0			0.47	1.7		26.4	20.1	18.2
15	944	5.0			0.47	1.7		26.6	20.0	18.4
15	944	6.0			0.48	1.8		26.7	20.0	18.4
15	944	7.0			0.48	1.8		26.7	20.0	18.4
15	944	8.0			0.49	1.9		26.8	19.9	18.6
15	944	9.0			0.49	1.9		27.0	19.9	18.7
15	944	10.0			0.48	1.8		27.1	19.9	18.8
15	944	11.0			0.46	1.6		27.1	19.8	18.8
15	944	12.0			0.46	1.6		27.2	19.8	18.8
15	944	13.0			0.44	1.4		27.3	19.8	18.9
15	944	14.0			0.44	1.3		27.4	19.8	19.0
15	944	15.0			0.43	1.3		27.4	19.7	19.0
15	944	16.0			0.42	1.2		27.4	19.7	19.1
15	944	17.0			0.42	1.2		27.5	19.7	19.1
15	944	18.0			0.42	1.1		27.7	19.7	19.3
15	944	19.0			0.41	1.1		27.8	19.6	19.4
15	944	20.0			0.41	1.1		28.1	19.6	19.6
15	944	21.0			0.41	1.1		28.2	19.6	19.7
15	944	22.0			0.41	1.0		28.3	19.6	19.8
15	944	23.0			0.40	1.0		28.4	19.6	19.8

Fluorometer Calibration:

n	r ²	A	B	Syx
20	0.70	-3.2	10.34	0.4

LOCATION: South San Francisco Bay
 DATE: August 23, 1990
 JULIAN DAY: 90235

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
30	1807	1.0	2.5	0.50	0.64	2.3	3.4	32.1	21.8	22.0
30	1807	2.0			0.64	2.3		32.1	21.8	22.0
30	1807	3.0			0.63	2.3		32.1	21.8	22.0
30	1807	4.0			0.64	2.3		32.1	21.8	22.0
30	1807	5.0			0.64	2.3		32.1	21.8	22.0
30	1807	6.0			0.64	2.3		32.1	21.8	22.1
30	1807	7.0			0.64	2.3		32.1	21.8	22.1
30	1807	8.0			0.65	2.3		32.1	21.8	22.1
30	1807	9.0			0.65	2.3		32.1	21.8	22.1
30	1807	10.0			0.64	2.3		32.1	21.7	22.1
30	1807	11.0			0.63	2.3		32.1	21.7	22.1
30	1807	12.0			0.64	2.3		32.1	21.7	22.1
30	1807	13.0			0.67	2.3		32.1	21.6	22.1
30	1807	14.0			0.73	2.3		32.1	21.6	22.1
30	1807	15.0	1.8	0.32	0.77	2.3		32.1	21.6	22.1
29	1741	1.0	2.7	0.65	0.59	2.3	2.2	32.0	21.6	22.0
29	1741	2.0			0.59	2.3		32.0	21.6	22.0
29	1741	3.0			0.59	2.3		32.0	21.6	22.0
29	1741	4.0			0.58	2.3		32.0	21.6	22.0
29	1741	5.0			0.58	2.4		32.0	21.6	22.0
29	1741	6.0			0.58	2.4		32.0	21.6	22.0
29	1741	7.0			0.58	2.4		32.0	21.6	22.0
29	1741	8.0			0.58	2.4		32.0	21.6	22.0
29	1741	9.0			0.58	2.4		32.0	21.6	22.0
29	1741	10.0			0.57	2.4		32.0	21.6	22.1
29	1741	11.0			0.55	2.4		32.0	21.5	22.1
29	1741	12.0			0.55	2.4		32.0	21.3	22.1
29	1741	13.0			0.56	2.4		32.0	21.2	22.2
29	1741	14.0			0.57	2.4		32.0	21.2	22.2
28	1715	1.0	2.8	0.67	0.59	2.3	2.3	32.0	21.8	22.0
28	1715	2.0			0.59	2.3		32.0	21.8	22.0
28	1715	3.0			0.59	2.3		32.0	21.8	22.0
28	1715	4.0			0.59	2.3		32.0	21.8	22.0
28	1715	5.0			0.57	2.4		32.1	21.5	22.2
28	1715	6.0			0.56	2.4		32.1	21.2	22.2
28	1715	7.0			0.56	2.4		32.0	21.1	22.2
28	1715	8.0			0.55	2.4		32.0	21.1	22.2
28	1715	9.0			0.55	2.4		32.0	21.0	22.2
28	1715	10.0			0.54	2.4		32.0	21.0	22.2
28	1715	11.0			0.53	2.4		32.0	21.0	22.2
28	1715	12.0			0.55	2.4		32.0	21.0	22.2
27	1652	1.0	2.6	0.62	0.54	2.4	2.2	31.9	21.1	22.1
27	1652	2.0			0.54	2.4		31.9	21.1	22.1
27	1652	3.0			0.54	2.4		31.9	21.1	22.1
27	1652	4.0			0.54	2.4		31.9	21.1	22.1
27	1652	5.0			0.54	2.4		31.9	21.1	22.1
27	1652	6.0			0.54	2.4		31.9	21.0	22.1
27	1652	7.0			0.54	2.4		31.9	21.0	22.1
27	1652	8.0			0.56	2.4		31.9	21.0	22.1
27	1652	9.0			0.55	2.4		31.9	21.0	22.1
27	1652	10.0			0.55	2.4		31.9	20.9	22.1
27	1652	11.0			0.53	2.4		31.9	20.9	22.1
27	1652	12.0			0.53	2.4		31.9	20.9	22.2
27	1652	13.0			0.52	2.4		31.9	20.8	22.2
26	1639	1.0	2.2	0.53	0.54	2.4	2.1	31.8	20.9	22.1
26	1639	2.0			0.54	2.4		31.8	20.9	22.1
26	1639	3.0			0.53	2.4		31.8	20.9	22.1
26	1639	4.0			0.53	2.4		31.8	20.9	22.1
26	1639	5.0			0.54	2.4		31.8	20.9	22.1
26	1639	6.0			0.53	2.4		31.8	20.9	22.1
26	1639	7.0			0.54	2.4		31.8	20.9	22.1
26	1639	7.0			0.54	2.4		31.8	20.9	22.1

LOCATION: South San Francisco Bay
 DATE: August 23, 1990
 JULIAN DAY: 90235

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
26	1639	8.0			0.54	2.4		31.8	20.9	22.1
26	1639	9.0			0.55	2.4		31.9	20.9	22.1
26	1639	10.0			0.54	2.4		31.8	20.9	22.1
26	1639	11.0			0.53	2.4		31.8	20.9	22.1
25	1616	1.0			0.52	2.4	2.0	31.8	20.8	22.1
25	1616	2.0			0.52	2.4		31.8	20.8	22.1
25	1616	3.0			0.52	2.4		31.8	20.8	22.1
25	1616	4.0			0.52	2.4		31.8	20.8	22.1
25	1616	5.0			0.52	2.4		31.8	20.8	22.1
25	1616	6.0			0.52	2.4		31.8	20.8	22.1
25	1616	7.0			0.52	2.4		31.8	20.8	22.1
25	1616	8.0			0.52	2.4		31.8	20.8	22.1
25	1616	9.0			0.53	2.4		31.8	20.8	22.1
25	1616	10.0			0.53	2.4		31.8	20.8	22.1
24	1522	1.0	1.9	0.57	0.47	2.4	1.3	31.7	19.0	22.5
24	1522	2.0			0.47	2.4		31.7	19.0	22.6
24	1522	3.0			0.47	2.4		31.7	18.9	22.5
24	1522	4.0			0.47	2.4		31.7	19.0	22.5
24	1522	5.0			0.47	2.4		31.7	19.0	22.5
24	1522	6.0			0.46	2.4		31.7	18.9	22.5
24	1522	7.0			0.46	2.4		31.7	18.9	22.5
24	1522	8.0			0.47	2.4		31.7	18.9	22.5
24	1522	9.0			0.48	2.4		31.7	18.9	22.5
24	1522	10.0			0.48	2.4		31.7	18.9	22.5
24	1522	11.0	2.6	0.36	0.48	2.4		31.7	18.9	22.5
23	1426	1.0	2.2	0.55	0.44	2.4	1.2	31.8	18.6	22.6
23	1426	2.0			0.44	2.4		31.8	18.6	22.6
23	1426	3.0			0.44	2.4		31.8	18.6	22.7
23	1426	4.0			0.45	2.4		31.9	18.4	22.8
23	1426	5.0			0.46	2.4		32.0	18.2	23.0
23	1426	6.0			0.46	2.4		32.1	18.2	23.0
23	1426	7.0			0.46	2.4		32.1	18.1	23.0
23	1426	8.0			0.46	2.4		32.1	18.0	23.0
23	1426	9.0			0.46	2.4		32.2	18.0	23.1
23	1426	10.0			0.46	2.4		32.1	18.0	23.1
23	1426	11.0			0.45	2.4		32.1	18.0	23.0
23	1426	12.0			0.45	2.4		32.1	18.0	23.0
23	1426	13.0			0.47	2.4		31.9	18.0	22.9
23	1426	14.0			0.46	2.4		31.9	18.0	22.9
23	1426	15.0			0.46	2.4		31.9	17.9	22.9
23	1426	16.0			0.46	2.4		31.9	17.9	22.9
23	1426	17.0			0.47	2.4		31.9	17.9	22.9
23	1426	18.0			0.46	2.4		31.9	17.9	22.9
23	1426	19.0			0.47	2.4		31.9	17.9	22.9
22	1410	1.0	2.4	0.54	0.46	2.4	2.3	32.0	17.6	23.1
22	1410	2.0			0.46	2.4		32.0	17.6	23.1
22	1410	3.0			0.47	2.4		32.0	17.6	23.1
22	1410	4.0			0.48	2.4		32.0	17.6	23.1
22	1410	5.0			0.49	2.4		32.0	17.5	23.1
22	1410	6.0			0.48	2.4		32.0	17.5	23.1
22	1410	7.0			0.48	2.4		32.0	17.5	23.1
22	1410	8.0			0.50	2.4		32.0	17.5	23.1
22	1410	9.0			0.50	2.4		32.0	17.5	23.1
22	1410	10.0			0.50	2.4		32.0	17.5	23.1
22	1410	11.0			0.50	2.4		32.0	17.5	23.1
22	1410	12.0			0.50	2.4		32.0	17.5	23.1
22	1410	13.0			0.50	2.4		32.0	17.5	23.1
22	1410	14.0			0.50	2.4		32.0	17.5	23.1
22	1410	15.0			0.50	2.4		32.0	17.5	23.1
22	1410	16.0			0.50	2.4		32.0	17.5	23.1
22	1410	17.0			0.50	2.4		32.0	17.5	23.1

LOCATION: South San Francisco Bay
 DATE: August 23, 1990
 JULIAN DAY: 90235

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
21	1356	1.0	2.0	0.56	0.44	2.4	1.0	31.7	18.2	22.7
21	1356	2.0			0.44	2.4		31.8	18.0	22.8
21	1356	3.0			0.44	2.4		31.9	17.8	22.9
21	1356	4.0			0.46	2.4		31.9	17.7	23.0
21	1356	5.0			0.47	2.4		31.9	17.7	23.0
21	1356	6.0			0.47	2.4		32.0	17.6	23.0
21	1356	7.0			0.47	2.4		32.0	17.6	23.0
21	1356	8.0			0.49	2.4		32.0	17.6	23.0
21	1356	9.0			0.50	2.4		32.0	17.6	23.0
21	1356	10.0			0.50	2.4		32.0	17.6	23.0
21	1356	11.0			0.50	2.4		32.0	17.6	23.0
21	1356	12.0			0.50	2.4		32.0	17.6	23.0
21	1356	13.0			0.50	2.4		32.0	17.6	23.0
21	1356	14.0			0.50	2.4		32.0	17.6	23.1
21	1356	15.0			0.50	2.4		32.0	17.6	23.1
21	1356	16.0			0.50	2.4		32.0	17.6	23.1
21	1356	17.0			0.50	2.4		32.0	17.6	23.1
21	1356	18.0	2.6	0.29	0.52	2.4		32.0	17.6	23.1

Fluorometer Calibration: n r² A B Syx
 13 0.00 2.4 -0.10 0.3

LOCATION: North San Francisco Bay
 DATE: December 6, 1990
 JULIAN DAY: 90340

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
657	1619	1.0	1.1	0.44	0.36	0.9	2.3	0.3	9.6	0.0
657	1619	2.0			0.36	0.9		0.3	9.7	0.0
657	1619	3.0			0.36	0.9		0.3	9.7	0.0
657	1619	4.0			0.37	0.9		0.3	9.7	0.0
657	1619	5.0			0.37	0.9		0.3	9.7	0.0
657	1619	6.0			0.37	0.9		0.3	9.7	0.0
657	1619	7.0			0.37	1.0		0.3	9.7	0.0
657	1619	8.0			0.38	1.0		0.3	9.7	0.0
657	1619	9.0			0.38	1.0		0.3	9.7	0.0
657	1619	10.0			0.38	1.0		0.3	9.7	0.0
657	1619	11.0			0.35	0.8		0.3	9.7	0.0
653	1552	1.0	1.3	0.48	0.40	1.2	2.1	1.2	10.4	0.6
653	1552	2.0			0.40	1.2		1.5	10.5	0.8
653	1552	3.0			0.39	1.1		1.9	10.5	1.2
653	1552	4.0			0.39	1.1		2.1	10.6	1.3
653	1552	5.0			0.39	1.1		2.4	10.6	1.5
653	1552	6.0			0.40	1.1		2.6	10.7	1.7
653	1552	7.0			0.40	1.2		2.7	10.7	1.8
653	1552	8.0			0.41	1.2		2.8	10.7	1.8
653	1552	9.0			0.41	1.3		2.8	10.7	1.8
653	1552	10.0			0.41	1.3		2.8	10.7	1.8
649	1524	1.0	1.4	0.61	0.42	1.3	1.9	3.0	10.8	2.0
649	1524	2.0			0.42	1.3		3.0	10.8	2.0
649	1524	3.0			0.42	1.3		3.0	10.8	2.0
649	1524	4.0			0.42	1.3		3.0	10.8	2.0
649	1524	5.0			0.42	1.3		3.2	10.9	2.1
649	1524	6.0			0.41	1.2		3.6	10.9	2.5
649	1524	7.0			0.40	1.2		4.0	10.9	2.7
649	1524	8.0			0.40	1.2		4.0	10.9	2.8
649	1524	9.0			0.40	1.1		4.0	10.9	2.8
649	1524	10.0			0.38	1.0		4.0	10.9	2.8
649	1524	11.0			0.38	1.0		4.1	10.9	2.8
2	1502	1.0	0.9	0.49	0.39	1.1	1.8	4.5	11.1	3.1
2	1502	2.0			0.39	1.1		4.7	11.0	3.3
2	1502	3.0			0.39	1.1		4.8	11.0	3.4
2	1502	4.0			0.38	1.0		4.9	11.0	3.4
2	1502	5.0			0.38	1.0		5.2	11.0	3.6
2	1502	6.0			0.38	1.0		5.6	11.0	3.9
2	1502	7.0			0.38	1.0		5.9	11.0	4.2
2	1502	8.0			0.38	1.0		6.1	11.0	4.3
2	1502	9.0			0.38	1.0		6.2	11.0	4.4
2	1502	10.0			0.37	0.9		6.3	11.0	4.5
2	1502	11.0			0.35	0.8		6.3	11.0	4.5
3	1447	1.0	1.3	0.65	0.38	1.0	1.8	5.2	11.2	3.6
3	1447	2.0			0.38	1.0		5.3	11.1	3.7
3	1447	3.0			0.37	1.0		5.4	11.0	3.8
3	1447	4.0			0.37	0.9		5.7	11.0	4.1
3	1447	5.0			0.37	0.9		6.1	11.0	4.3
3	1447	6.0			0.36	0.9		6.4	11.0	4.6
3	1447	7.0			0.36	0.9		6.8	11.0	4.9
3	1447	8.0			0.37	0.9		6.9	11.0	5.0
3	1447	9.0			0.37	0.9		7.0	11.0	5.0
3	1447	10.0			0.36	0.8		7.0	11.0	5.1
3	1447	11.0			0.34	0.7		7.1	11.0	5.1
3	1447	12.0			0.33	0.6		7.1	11.0	5.1
3	1447	13.0			0.33	0.6		7.1	11.0	5.1
3	1447	14.0			0.33	0.6		7.1	11.0	5.2
3	1447	15.0			0.32	0.5		7.2	11.0	5.2
4	1423	1.0	0.6	0.36	0.36	0.8	2.3	8.0	11.0	5.8
4	1423	2.0			0.36	0.8		8.2	11.0	6.0

LOCATION: North San Francisco Bay
 DATE: December 6, 1990
 JULIAN DAY: 90340

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
4	1423	3.0			0.36	0.8		8.3	10.9	6.1
4	1423	4.0			0.35	0.8		8.4	10.9	6.2
4	1423	5.0			0.36	0.8		8.5	10.9	6.3
4	1423	6.0			0.36	0.9		8.8	10.9	6.4
4	1423	7.0			0.36	0.9		9.2	10.9	6.8
4	1423	8.0			0.36	0.9		9.4	10.9	6.9
4	1423	9.0			0.37	0.9		10.2	10.9	7.6
4	1423	10.0			0.38	1.0		10.5	10.9	7.8
4	1423	11.0			0.38	1.0		10.7	10.9	7.9
5	1403	1.0	0.6	0.30	0.37	0.9	2.1	8.4	11.1	6.1
5	1403	2.0			0.37	0.9		8.7	11.1	6.3
5	1403	3.0			0.37	0.9		9.2	11.0	6.8
5	1403	4.0			0.36	0.9		10.2	10.9	7.6
5	1403	5.0			0.36	0.9		10.7	10.9	7.9
5	1403	6.0			0.36	0.9		11.1	10.9	8.2
5	1403	7.0			0.37	0.9		11.9	10.8	8.9
5	1403	8.0			0.37	0.9		12.4	10.8	9.3
5	1403	9.0			0.38	1.0		13.0	10.8	9.7
5	1403	10.0			0.38	1.1		13.2	10.8	9.9
5	1403	11.0			0.39	1.1		13.3	10.8	9.9
5	1403	12.0			0.39	1.1		13.3	10.8	10.0
5	1403	13.0			0.39	1.1		13.3	10.8	10.0
6	1333	1.0	0.9	0.39	0.37	1.0	2.7	12.0	10.9	9.0
6	1333	2.0			0.37	1.0		12.1	10.8	9.0
6	1333	3.0			0.37	1.0		12.5	10.8	9.3
6	1333	4.0			0.37	1.0		12.9	10.8	9.6
6	1333	5.0			0.38	1.0		13.1	10.8	9.8
6	1333	6.0			0.38	1.0		13.2	10.8	9.9
6	1333	7.0			0.38	1.0		13.3	10.8	10.0
6	1333	8.0			0.39	1.1		13.5	10.8	10.1
6	1333	9.0			0.39	1.1		14.0	10.8	10.5
6	1333	10.0			0.39	1.1		14.8	10.8	11.1
6	1333	11.0			0.39	1.1		15.5	10.9	11.6
7	1256	1.0	0.9	0.39	0.38	1.0	2.6	15.0	11.0	11.2
7	1256	2.0			0.38	1.0		15.2	10.9	11.4
7	1256	3.0			0.38	1.0		15.3	10.9	11.5
7	1256	4.0			0.37	1.0		15.5	10.9	11.7
7	1256	5.0			0.38	1.0		16.0	10.9	12.1
7	1256	6.0			0.38	1.0		16.3	10.9	12.2
7	1256	7.0			0.38	1.1		16.4	10.9	12.4
7	1256	8.0			0.39	1.1		16.7	10.9	12.6
7	1256	9.0			0.38	1.0		17.1	10.9	12.9
7	1256	10.0			0.37	0.9		17.3	10.9	13.0
7	1256	11.0			0.36	0.8		17.6	10.9	13.3
7	1256	12.0			0.37	1.0		18.1	11.0	13.6
7	1256	13.0			0.38	1.0		18.2	11.0	13.7
8	1231	1.0	0.6	0.53	0.39	1.1	2.6	15.8	10.9	11.9
8	1231	2.0			0.39	1.1		16.0	10.9	12.0
8	1231	3.0			0.38	1.0		16.4	10.8	12.4
8	1231	4.0			0.38	1.0		16.6	10.8	12.6
8	1231	5.0			0.38	1.0		16.9	10.9	12.7
8	1231	6.0			0.38	1.0		17.2	10.9	13.0
8	1231	7.0			0.38	1.0		17.4	10.9	13.2
8	1231	8.0			0.38	1.0		17.6	10.9	13.3
8	1231	9.0			0.38	1.0		17.9	10.9	13.5
8	1231	10.0			0.36	0.9		18.4	10.9	13.9
8	1231	11.0			0.35	0.7		18.8	10.9	14.2
8	1231	12.0			0.34	0.7		19.6	11.0	14.8
8	1231	13.0			0.34	0.7		20.0	11.0	15.1
8	1231	14.0			0.33	0.6		20.8	11.0	15.8
8	1231	15.0			0.32	0.6		21.8	11.0	16.5

LOCATION: North San Francisco Bay
 DATE: December 6, 1990
 JULIAN DAY: 90340

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
9	1209	1.0	0.9	0.36	0.35	0.8	2.3	18.1	10.9	13.7
9	1209	2.0			0.35	0.8		18.3	10.9	13.8
9	1209	3.0			0.35	0.8		18.5	10.9	13.9
9	1209	4.0			0.35	0.8		18.6	10.9	14.1
9	1209	5.0			0.35	0.8		18.7	10.9	14.2
9	1209	6.0			0.35	0.8		18.8	10.9	14.2
9	1209	7.0			0.36	0.8		18.9	10.9	14.3
9	1209	8.0			0.36	0.8		18.9	10.9	14.3
9	1209	9.0			0.36	0.9		19.1	10.9	14.4
9	1209	10.0			0.35	0.8		19.6	11.0	14.8
9	1209	11.0			0.34	0.7		20.3	11.0	15.3
9	1209	12.0			0.33	0.6		20.6	11.0	15.6
9	1209	13.0			0.32	0.6		21.0	11.0	15.9
9	1209	14.0			0.32	0.5		21.4	11.0	16.2
9	1209	15.0			0.31	0.5		21.5	11.0	16.3
9	1209	16.0			0.31	0.5		21.9	11.0	16.6
9	1209	17.0			0.31	0.4		22.1	11.0	16.8
9	1209	18.0			0.31	0.4		22.0	11.0	16.7
9	1209	19.0			0.30	0.4		22.0	11.0	16.6
9	1209	20.0			0.30	0.4		22.0	11.0	16.7
9	1209	21.0			0.30	0.4		22.3	11.0	16.9
9	1209	22.0			0.31	0.4		22.6	11.0	17.1
9	1209	23.0			0.31	0.5		22.7	11.0	17.2
9	1209	24.0			0.31	0.4		22.6	11.0	17.2
9	1209	25.0			0.31	0.4		22.8	11.0	17.3
9	1209	26.0			0.30	0.4		22.7	11.0	17.2
9	1209	27.0			0.31	0.4		22.7	11.0	17.2
9	1209	28.0			0.31	0.4		22.6	11.0	17.1
9	1209	29.0			0.30	0.4		22.5	11.0	17.1
9	1209	30.0			0.31	0.4		22.5	11.0	17.0
9	1209	31.0			0.33	0.6		23.2	11.0	17.6
9	1209	32.0			0.35	0.8		23.7	11.0	18.0
10	1150	1.0	1.0	0.41	0.34	0.7	3.0	20.5	11.0	15.5
10	1150	2.0			0.34	0.7		20.8	11.0	15.7
10	1150	3.0			0.34	0.7		21.1	11.0	16.0
10	1150	4.0			0.35	0.8		21.2	11.0	16.1
10	1150	5.0			0.35	0.8		21.3	11.0	16.2
10	1150	6.0			0.35	0.8		21.7	11.0	16.4
10	1150	7.0			0.36	0.8		21.8	11.0	16.5
10	1150	8.0			0.36	0.9		22.2	11.0	16.8
10	1150	9.0			0.37	0.9		23.0	11.0	17.4
10	1150	10.0			0.36	0.8		23.3	11.0	17.7
10	1150	11.0			0.35	0.8		23.5	11.0	17.8
10	1150	12.0			0.34	0.7		23.7	11.0	18.0
10	1150	13.0			0.34	0.7		23.9	11.0	18.1
10	1150	14.0			0.34	0.7		23.9	11.0	18.2
10	1150	15.0			0.34	0.7		24.0	11.0	18.2
10	1150	16.0			0.33	0.6		24.0	11.0	18.2
10	1150	17.0			0.33	0.6		24.1	11.0	18.3
10	1150	18.0			0.34	0.7		24.3	11.0	18.4
10	1150	19.0			0.35	0.8		24.4	11.1	18.5
10	1150	20.0			0.36	0.9		24.5	11.1	18.6
11	1123	1.0	0.3	0.13	0.34	0.7	3.7	22.3	11.0	16.9
11	1123	2.0			0.34	0.7		22.4	11.0	17.0
11	1123	3.0			0.34	0.7		22.9	11.0	17.3
11	1123	4.0			0.35	0.7		23.0	11.0	17.5
11	1123	5.0			0.35	0.8		23.4	11.0	17.8
11	1123	6.0			0.36	0.9		23.4	11.0	17.8
11	1123	7.0			0.36	0.9		23.5	11.0	17.8
11	1123	8.0			0.36	0.9		23.9	11.0	18.2
11	1123	9.0			0.36	0.9		24.1	11.0	18.3
11	1123	10.0			0.36	0.8		24.3	11.0	18.4

LOCATION: North San Francisco Bay
 DATE: December 6, 1990
 JULIAN DAY: 90340

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
11	1123	11.0			0.34	0.7		24.5	11.0	18.6
11	1123	12.0			0.34	0.7		24.9	11.0	18.9
11	1123	13.0			0.33	0.6		25.2	11.1	19.2
11	1123	14.0			0.32	0.6		25.4	11.1	19.3
11	1123	15.0			0.32	0.6		25.5	11.1	19.4
11	1123	16.0			0.35	0.8		25.7	11.1	19.5
13	1042	1.0	1.0	0.43	0.35	0.8	2.3	26.4	11.1	20.1
13	1042	2.0			0.35	0.8		26.5	11.0	20.2
13	1042	3.0			0.35	0.8		27.0	11.0	20.5
13	1042	4.0			0.35	0.8		27.3	11.0	20.8
13	1042	5.0			0.35	0.8		27.5	11.1	21.0
13	1042	6.0			0.36	0.8		27.6	11.1	21.0
13	1042	7.0			0.36	0.9		27.6	11.1	21.0
13	1042	8.0			0.36	0.9		27.5	11.1	20.9
13	1042	9.0			0.37	0.9		28.0	11.2	21.3
13	1042	10.0			0.39	1.1		28.3	11.2	21.6
15	1004	1.0	1.4	0.53	0.39	1.1	1.5	27.8	10.9	21.2
15	1004	2.0			0.39	1.1		27.9	10.9	21.3
15	1004	3.0			0.39	1.1		27.9	10.9	21.3
15	1004	4.0			0.38	1.0		27.9	10.9	21.3
15	1004	5.0			0.37	0.9		28.0	10.9	21.3
15	1004	6.0			0.36	0.9		28.0	11.0	21.4
15	1004	7.0			0.36	0.9		28.4	11.1	21.6
15	1004	8.0			0.36	0.8		28.6	11.1	21.8
15	1004	9.0			0.36	0.8		28.8	11.2	21.9
15	1004	10.0			0.35	0.8		28.9	11.2	22.0
15	1004	11.0			0.34	0.7		28.9	11.1	22.0
15	1004	12.0			0.33	0.6		29.0	11.1	22.1
15	1004	13.0			0.32	0.6		29.4	11.1	22.4
15	1004	14.0			0.32	0.5		29.7	11.2	22.6
15	1004	15.0			0.32	0.5		30.0	11.2	22.8
15	1004	16.0			0.31	0.5		30.0	11.2	22.8
15	1004	17.0			0.32	0.5		30.0	11.2	22.9
15	1004	18.0			0.32	0.6		30.0	11.2	22.9
15	1004	19.0			0.33	0.6		30.1	11.2	22.9
15	1004	20.0			0.34	0.7		30.1	11.2	22.9
15	1004	21.0			0.35	0.8		30.1	11.2	23.0
15	1004	22.0			0.36	0.8		30.2	11.2	23.0
18	906	1.0	1.2	0.45	0.36	0.8	1.3	31.2	11.1	23.8
18	906	2.0			0.36	0.8		31.2	11.1	23.8
18	906	3.0			0.36	0.8		31.2	11.2	23.8
18	906	4.0			0.36	0.9		31.2	11.2	23.8
18	906	5.0			0.36	0.8		31.3	11.2	23.8
18	906	6.0			0.36	0.9		31.2	11.2	23.8
18	906	7.0			0.36	0.9		31.3	11.2	23.8
18	906	8.0			0.36	0.9		31.3	11.2	23.8
18	906	9.0			0.36	0.9		31.3	11.2	23.9
18	906	10.0			0.35	0.8		31.3	11.2	23.9
18	906	11.0			0.34	0.7		31.3	11.2	23.9
18	906	12.0			0.34	0.7		31.4	11.2	23.9
18	906	13.0			0.33	0.6		31.5	11.2	24.0
18	906	14.0			0.33	0.6		31.5	11.2	24.0
18	906	15.0			0.33	0.6		31.5	11.2	24.0
18	906	16.0			0.32	0.6		31.5	11.2	24.0
18	906	17.0			0.32	0.6		31.6	11.2	24.1
18	906	18.0			0.32	0.6		31.6	11.2	24.1
18	906	19.0			0.32	0.6		31.7	11.3	24.2
18	906	20.0			0.33	0.6		31.7	11.2	24.2
18	906	21.0			0.32	0.5		31.7	11.3	24.2
18	906	22.0			0.32	0.6		31.7	11.3	24.2
18	906	23.0			0.31	0.5		31.7	11.3	24.2
18	906	24.0			0.33	0.6		31.7	11.3	24.2

LOCATION: North San Francisco Bay
 DATE: December 6, 1990
 JULIAN DAY: 90340

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
18	906	25.0			0.33	0.6		31.7	11.3	24.2
18	906	26.0			0.32	0.5		31.7	11.3	24.2
18	906	27.0			0.31	0.5		31.7	11.3	24.2
18	906	28.0			0.31	0.5		31.7	11.3	24.2
18	906	29.0			0.32	0.5		31.7	11.3	24.2
18	906	30.0			0.32	0.5		31.7	11.3	24.2
18	906	31.0			0.32	0.6		31.7	11.3	24.2
18	906	32.0			0.33	0.6		31.7	11.3	24.2

Fluorometer Calibration: n r² A B Syx

 16 0.31 -2.0 7.90 0.3

LOCATION: South San Francisco Bay
DATE: December 7, 1990
JULIAN DAY: 90341

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
30.0	1730	1.0	1.5	0.52	0.43	1.8		31.8	11.9	24.2
30.0	1730	2.0			0.43	1.8		31.8	11.9	24.2
30.0	1730	3.0			0.43	1.8		31.8	11.9	24.2
30.0	1730	4.0			0.43	1.8		31.8	11.9	24.1
30.0	1730	5.0			0.44	1.8		31.8	11.9	24.2
30.0	1730	6.0			0.44	1.8		31.8	11.9	24.1
30.0	1730	7.0			0.44	1.9		31.8	11.9	24.1
30.0	1730	8.0			0.44	1.9		31.8	11.9	24.2
30.0	1730	9.0			0.45	1.9		31.8	11.9	24.1
30.0	1730	10.0			0.44	1.8		31.8	11.9	24.2
30.0	1730	11.0			0.43	1.8		31.8	11.9	24.2
30.0	1730	12.0			0.42	1.8		31.8	11.9	24.2
30.0	1730	13.0			0.42	1.8		31.8	11.9	24.2
30.0	1730	14.0			0.42	1.8		31.8	11.9	24.2
30.0	1730	15.0			0.41	1.7		31.8	11.9	24.2
30.0	1730	16.0			0.44	1.8		31.8	11.9	24.1
29.0	1707	1.0	2.0	0.68	0.47	2.0		31.8	12.2	24.1
29.0	1707	2.0			0.47	2.0		31.8	12.1	24.1
29.0	1707	3.0			0.47	2.0		31.8	12.1	24.1
29.0	1707	4.0			0.48	2.0		31.9	12.1	24.1
29.0	1707	5.0			0.49	2.0		31.9	12.0	24.2
29.0	1707	6.0			0.49	2.0		31.9	12.0	24.2
29.0	1707	7.0			0.49	2.0		31.9	11.9	24.2
29.0	1707	8.0			0.49	2.1		31.9	11.9	24.2
29.0	1707	9.0			0.49	2.1		31.9	11.9	24.2
29.0	1707	10.0			0.49	2.0		31.9	11.9	24.2
29.0	1707	11.0			0.48	2.0		31.9	11.9	24.2
29.0	1707	12.0			0.49	2.0		31.8	11.9	24.2
29.0	1707	13.0			0.49	2.0		31.8	11.8	24.2
29.0	1707	14.0			0.49	2.0		31.8	11.8	24.2
29.0	1707	15.0			0.49	2.1		31.8	11.8	24.2
29.0	1707	16.0			0.50	2.1		31.8	11.8	24.2
28.0	1602	1.0			0.50	2.1	1.1	31.8	12.8	23.9
28.0	1602	2.0			0.50	2.1		31.8	12.4	24.1
28.0	1602	3.0			0.50	2.1		31.9	12.2	24.1
28.0	1602	4.0			0.49	2.0		31.9	12.1	24.2
28.0	1602	5.0			0.49	2.0		31.9	12.1	24.2
28.0	1602	6.0			0.48	2.0		32.0	12.0	24.2
28.0	1602	7.0			0.48	2.0		31.9	11.9	24.2
28.0	1602	8.0			0.48	2.0		31.9	11.9	24.2
28.0	1602	9.0			0.48	2.0		31.9	11.9	24.2
28.0	1602	10.0			0.49	2.0		31.9	11.9	24.2
28.0	1602	11.0			0.48	2.0		31.9	11.9	24.2
28.0	1602	12.0			0.47	2.0		31.9	11.8	24.2
28.0	1602	13.0			0.48	2.0		31.9	11.8	24.2
28.0	1602	14.0			0.48	2.0		31.8	11.8	24.2
28.0	1602	15.0			0.49	2.0		31.8	11.8	24.2
27.0	1549	1.0	1.9	0.52	0.45	1.9	2.0	31.7	12.0	24.1
27.0	1549	2.0			0.45	1.9		31.7	12.0	24.1
27.0	1549	3.0			0.45	1.9		31.7	12.0	24.1
27.0	1549	4.0			0.45	1.9		31.7	12.0	24.1
27.0	1549	5.0			0.45	1.9		31.7	12.0	24.1
27.0	1549	6.0			0.46	1.9		31.7	12.0	24.1
27.0	1549	7.0			0.47	1.9		31.7	12.0	24.1
27.0	1549	8.0			0.47	2.0		31.7	11.9	24.1
27.0	1549	9.0			0.48	2.0		31.7	11.9	24.1
27.0	1549	10.0			0.48	2.0		31.7	11.9	24.1
27.0	1549	11.0			0.48	2.0		31.7	11.9	24.1
27.0	1549	12.0			0.49	2.0		31.7	11.9	24.1
27.0	1549	13.0			0.49	2.0		31.7	11.9	24.1
27.0	1549	14.0			0.49	2.0		31.7	11.9	24.1
26.0	1535	1.0			0.45	1.9	1.5	31.6	12.1	23.9

LOCATION: South San Francisco Bay
 DATE: December 7, 1990
 JULIAN DAY: 90341

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
26.0	1535	2.0			0.45	1.9		31.6	12.0	24.0
26.0	1535	3.0			0.44	1.9		31.6	12.0	24.0
26.0	1535	4.0			0.44	1.8		31.6	11.9	24.0
26.0	1535	5.0			0.44	1.8		31.6	11.9	24.0
26.0	1535	6.0			0.44	1.8		31.6	11.9	24.0
26.0	1535	7.0			0.45	1.9		31.6	11.9	24.0
26.0	1535	8.0			0.45	1.9		31.6	11.9	24.0
26.0	1535	9.0			0.45	1.9		31.6	11.9	24.0
26.0	1535	10.0			0.44	1.9		31.6	11.9	24.0
26.0	1535	11.0			0.43	1.8		31.6	11.9	24.0
25.0	1519	1.0	2.0	0.57	0.43	1.8	1.9	31.2	11.8	23.7
25.0	1519	2.0			0.43	1.8		31.2	11.8	23.7
25.0	1519	3.0			0.43	1.8		31.2	11.8	23.7
25.0	1519	4.0			0.43	1.8		31.2	11.8	23.7
25.0	1519	5.0			0.42	1.8		31.2	11.8	23.7
25.0	1519	6.0			0.43	1.8		31.2	11.8	23.7
25.0	1519	7.0			0.44	1.8		31.2	11.8	23.7
25.0	1519	8.0			0.44	1.8		31.2	11.8	23.7
25.0	1519	9.0			0.45	1.9		31.2	11.8	23.7
24.0	1505	1.0			0.40	1.7	2.3	31.0	11.6	23.5
24.0	1505	2.0			0.40	1.7		31.0	11.6	23.5
24.0	1505	3.0			0.40	1.7		31.0	11.6	23.5
24.0	1505	4.0			0.40	1.7		31.0	11.6	23.5
24.0	1505	5.0			0.41	1.7		31.0	11.6	23.5
24.0	1505	6.0			0.41	1.7		31.0	11.6	23.5
24.0	1505	7.0			0.41	1.7		31.0	11.6	23.5
24.0	1505	8.0			0.42	1.7		31.0	11.6	23.5
24.0	1505	9.0			0.43	1.8		31.0	11.6	23.5
24.0	1505	10.0			0.42	1.8		31.0	11.6	23.5
24.0	1505	11.0			0.42	1.7		31.0	11.6	23.5
23.0	1452	1.0	1.7	0.53	0.39	1.7	1.4	31.0	11.7	23.5
23.0	1452	2.0			0.39	1.7		31.0	11.5	23.6
23.0	1452	3.0			0.40	1.7		31.0	11.4	23.6
23.0	1452	4.0			0.40	1.7		31.0	11.4	23.6
23.0	1452	5.0			0.40	1.7		31.0	11.4	23.6
23.0	1452	6.0			0.40	1.7		31.0	11.4	23.6
23.0	1452	7.0			0.41	1.7		31.0	11.4	23.6
23.0	1452	8.0			0.41	1.7		31.0	11.4	23.6
23.0	1452	9.0			0.41	1.7		31.0	11.4	23.6
23.0	1452	10.0			0.41	1.7		31.0	11.5	23.6
23.0	1452	11.0			0.41	1.7		31.0	11.4	23.6
23.0	1452	12.0			0.41	1.7		31.0	11.5	23.6
23.0	1452	13.0			0.41	1.7		31.0	11.5	23.6
23.0	1452	14.0			0.40	1.7		31.0	11.5	23.6
23.0	1452	15.0			0.40	1.7		31.0	11.5	23.6
22.0	1435	1.0			0.38	1.6	1.9	31.4	11.4	23.9
22.0	1435	2.0			0.38	1.6		31.4	11.4	23.9
22.0	1435	3.0			0.39	1.6		31.4	11.4	23.9
22.0	1435	4.0			0.39	1.6		31.4	11.4	23.9
22.0	1435	5.0			0.40	1.7		31.4	11.4	23.9
22.0	1435	6.0			0.40	1.7		31.4	11.4	23.9
22.0	1435	7.0			0.41	1.7		31.4	11.4	23.9
22.0	1435	8.0			0.41	1.7		31.4	11.4	23.9
22.0	1435	9.0			0.42	1.7		31.4	11.4	23.9
22.0	1435	10.0			0.42	1.7		31.4	11.4	23.9
22.0	1435	11.0			0.41	1.7		31.4	11.4	23.9
22.0	1435	12.0			0.41	1.7		31.4	11.4	23.9
22.0	1435	13.0			0.41	1.7		31.4	11.4	23.9
22.0	1435	14.0			0.41	1.7		31.4	11.4	23.9
22.0	1435	15.0			0.41	1.7		31.4	11.4	23.9
22.0	1435	16.0			0.41	1.7		31.4	11.4	23.9

LOCATION: South San Francisco Bay
 DATE: December 7, 1990
 JULIAN DAY: 90341

STN	TIME	DEPTH	DISCR CHL a	CHLa/ a+PHA	FLUOR	CALC CHL a	EXCOF	SALIN	TEMP	SIGMT
22.0	1435	17.0			0.41	1.7		31.4	11.4	23.9
22.0	1435	18.0			0.41	1.7		31.4	11.4	23.9
22.0	1435	19.0			0.41	1.7		31.4	11.4	23.9
21.0	1421	1.0	1.5	0.55	0.36	1.5	1.0	31.2	11.4	23.8
21.0	1421	2.0			0.36	1.5		31.2	11.4	23.8
21.0	1421	3.0			0.36	1.5		31.3	11.3	23.8
21.0	1421	4.0			0.36	1.5		31.3	11.3	23.9
21.0	1421	5.0			0.37	1.5		31.4	11.3	23.9
21.0	1421	6.0			0.36	1.5		31.4	11.3	23.9
21.0	1421	7.0			0.37	1.5		31.4	11.3	23.9
21.0	1421	8.0			0.37	1.5		31.5	11.3	24.0
21.0	1421	9.0			0.37	1.5		31.5	11.3	24.0
21.0	1421	10.0			0.36	1.5		31.5	11.3	24.0
21.0	1421	11.0			0.37	1.6		31.5	11.3	24.0
21.0	1421	12.0			0.37	1.6		31.5	11.3	24.0
21.0	1421	13.0			0.38	1.6		31.5	11.3	24.0
21.0	1421	14.0			0.38	1.6		31.5	11.3	24.0
21.0	1421	15.0			0.39	1.6		31.5	11.3	24.0
21.0	1421	16.0			0.39	1.6		31.5	11.3	24.0
21.0	1421	17.0			0.39	1.6		31.5	11.3	24.0

Fluorometer Calibration: n r² A B Syx
 6 0.52 0.1 3.99 0.2