UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 7203
1-28 March 1972

and

CalCOFI Cruise 7205
11 April - 14 June 1972

SIO Reference 82-14
15 June 1982

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Sponsored by

Marine Research Committee

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15 June 1982

Approved for distribution:

W. A. Nierenberg, Director

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INTRODUCTION

The data in this report were collected during Cruises 7203* and 7205 of the California Cooperative Oceanic Fisheries Investigations (CalCOFI) program aboard the RV David Starr Jordan of the National Marine Fisheries Service and the RV Alexander Agassiz of the Scripps Institution of Oceanography. The extended 7205 cruise pattern was designed to collect data across the California Current from 45°N to 20°N, much the same pattern as was used on the NORPAC cruise in the late summer of 1955. This extended pattern for the late spring was again conducted in the early fall of 1972. Besides allowing the first larger overview of the California Current since January 1965, the cruise was used to collect data near three deep-moored buoys which have been recording meteorological data and temperature data (surface to 300 meters) for several months. The report preceding this one in the series was SIO Ref. 80-21 which included data for 7201 and 7202.

These data were collected and processed mainly by personnel of the Data Collection and Processing Group (DCPG**, MLR), Scripps Institution of Oceanography. The cruises were also used as a technical training program for personnel of the Sea Grant and the GEOSECS departments.

STANDARD PROCEDURES

Hydrographic Cast Data

The hydrographic casts consisted of 12 to 18 Nansen bottles with the maximum sampling depth at most stations being 1200 meters, bottom depth permitting. Casts deeper than 3000 meters were lowered at 80.70*** and 80.80 on the Jordan in March and again at 80.70, 80.80 and at 39.141**** on the Agassiz in April and June. Temperature, salinity, oxygen and nutrients were determined for all depths on most stations.

On STD lowerings where hydrographic casts were not made, a Nansen bottle was usually placed on the wire a few meters above the STD and another bottle was lowered to a depth of approximately 10 meters. Temperature, salinity and oxygen were determined for most of the 10 meter samples from the Jordan and the Agassiz.

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* The first two digits represent the year and the second digits the month of the cruise.

** Now the Physical and Chemical Oceanographic Data Facility (PACODF).

*** The CalCOFI station designations have been in use for over thirty years. The digits preceding the decimal specify a line normal to the general trend of the coast line (CalCOFI line). The digits following the decimal specify a station position relative to the coast on the CalCOFI line. One CalCOFI digit equals 4 nautical miles.

**** This is not a CalCOFI station designation. In this oceanic station designator, the first two digits are north latitude; the latter three digits are west longitude.

In general, paired, protected reversing thermometers were used to determine temperatures; the readings were recorded to hundredths of a Celsius degree. Temperatures on the deep casts made during the cruises in this report are recorded only in hundredths of a Celsius degree because specially scaled low-range thermometers were not available. Surface temperatures from "bucket" thermometers and temperatures determined using unprotected (pressure) thermometers were recorded to tenths of a degree. Sample bottles used below 100 meters were equipped with unprotected thermometers for determination of the depth of sampling.

The Bissett Berman (now Grundy Environmental Systems, Inc.) inductive salinometer used for salinity determination on the Jordan during 7203 and 7205 operated very well. Difficulty in operation of a Bissett Berman inductive salinometer and, for a few stations, a University of Washington conductive salinometer on the Agassiz during the March cruise, resulted in several delays in sample determination; extreme cases of delay are footnoted. However, during the Agassiz cruise in May, both the University of Washington conductive and an AutoLab inductive salinometer operated well.

The salinity values were recorded and are reported to three decimal places, provided accepted standards were met. If only one determination per sample was obtained, or there was doubt concerning the accuracy of the analytical results, the salinities are reported to two decimal places. All STD salinities are tabulated to hundredths.

Dissolved oxygen was determined by the Winkler method as modified by Carpenter (1965), using the equipment and procedure outlined by Anderson (1971).

Phosphate, silicate, nitrite, and nitrate were determined using a standard Beckman Model DU spectrophotometer. Reactive phosphate was analyzed using the method of Murphy and Riley (1962), with the specific procedure outlined by Anderson (1971); reactive silicate by the method of Strickland and Parsons (1968); nitrate by the method of Wood et al. (1967); and nitrite by the method of Bendschneider and Robinson (1952). The specific procedures used for silicate, nitrate and nitrite are outlined in Marine Technician handbooks in preparation.

Due to operational difficulty with some of the equipment during the early weeks of cruise 7205 Jordan, some of the nitrate data have been adjusted by their relation to phosphate. These adjustments have been based on the following: one, the data from standard solutions run through each column on a daily basis have been used to compute the nitrate values for a given column; two, a plot of phosphate vs. nitrate is essentially linear and constant and the cruise phosphate data are believed to be of good quality; and three, corrected nitrate data when plotted against phosphate give curves that show excellent agreement with the curves from previous and subsequent expedition data collected in the same area.

Phytoplankton pigment and production data resulting from these cruises have been reported earlier by Owen (1974).

The observed data have been evaluated using the method described by Klein (1973). This involves consideration of their variation as functions of density or depth and their relations to each other, and comparisons with adjacent observations.

In situ Salinity/Temperature/Depth Recorder (STD) Data

A Bissett Berman Model 9006 STD was used for both cruises of the Jordan. A slight temperature correction was used only on 7205 but both cruises required a salinity correction of approximately -0.10 ‰ at the surface to -0.15 ‰ at 1000 meters. The Agassiz also was equipped with a Model 9006 STD for 7203. A small correction only to salinity was required but the instrument became inoperative March 3rd and hydrographic casts were made on all scheduled stations the remainder of the cruise. A Bissett Berman Model 9040 STD was used on the Agassiz for 7205. It was inoperative for a short time so that most stations on 35°N were hydrographic casts only. It was repaired during occupation of 39°N and was used the remainder of the cruise. The digital data logger used with the STD malfunctioned and all tabulated data were digitized from the analog recordings. Again no correction to the temperature was required. A salinity correction for each station was determined by comparison with the hydrographic cast lowered at the same position or by comparison with the data from the two Nansen bottles lowered on the wire with the STD. Most stations required a large correction of approximately -0.20 ‰ at the surface to -0.30 ‰ at 1000 meters.

TABULATED DATA

The time reported is Greenwich Mean Time. For STD lowerings it is the "start down" time and for bottle casts it is the time of messenger release. When more than one cast was lowered on a station, the messenger time for the first and last casts are given. Multiple casts, excluding the surface cast, are indicated by a footnote letter following the observed depth.

Bottom depths, determined acoustically, have been corrected using Matthews (1939) tables and are reported in meters. The weather and dominant waves are coded using the National Oceanographic Data Center (NODC) method.

Data for all cruises presented in this report were obtained by bottle casts and by the STD, and appear in two forms:

1) Data from the sample bottles appear with the observed levels of depth on the left of a page. Temperature, salinity and oxygen are interpolated from the observations at standard levels of depth on the right of the page. Computed values of thermosteric anomaly (DT) are included with the observed levels and computed values of sigma-t (SIGT), thermosteric anomaly (DT) and geopotential anomaly (DD) are included with the interpolated levels.

2) Data at standard levels of depth from the STD lowerings appear on the right of a page with computed values of sigma-t, thermosteric anomaly and geopotential anomaly included.

The same parameters have been tabulated in this report as in previous reports. The decimal has been omitted from the CalCOFI station number so station 80.70 appears in the tabulated data as 80070. The column headings are to be interpreted as follows:

Z	Depth	Meters
T	Temperature	°C
S	Salinity	‰
O2	Dissolved oxygen	ml/L
PO4	"Reactive" inorganic phosphate-phosphorous	µg at/L
SiO3	"Reactive" inorganic silicate-silicon	µg at/L
NO2	"Reactive" nitrite-nitrogen	µg at/L
NO3	"Reactive" nitrate-nitrogen	µg at/L
DT	δ_T = Thermosteric anomaly	cl/ton
SIGT	$(\rho_{s,t,0}-1)10^3$ where $\rho_{s,t,0}$ is the density the parcel would have if moved isothermally to the sea surface.	g/L
DD	Geopotential anomaly, referred to the sea surface.	dyn. meters

FOOTNOTES

In addition to footnotes, special notations are used without footnotes because the meaning is always the same.

P: After depth value indicates the Nansen bottles posttripped.

U: Uncertain value. Values which are not used in interpolation because they seem to be in error without apparent reason.

V: Because of time differences, overlapping casts show some differences. Values not used in interpolation.

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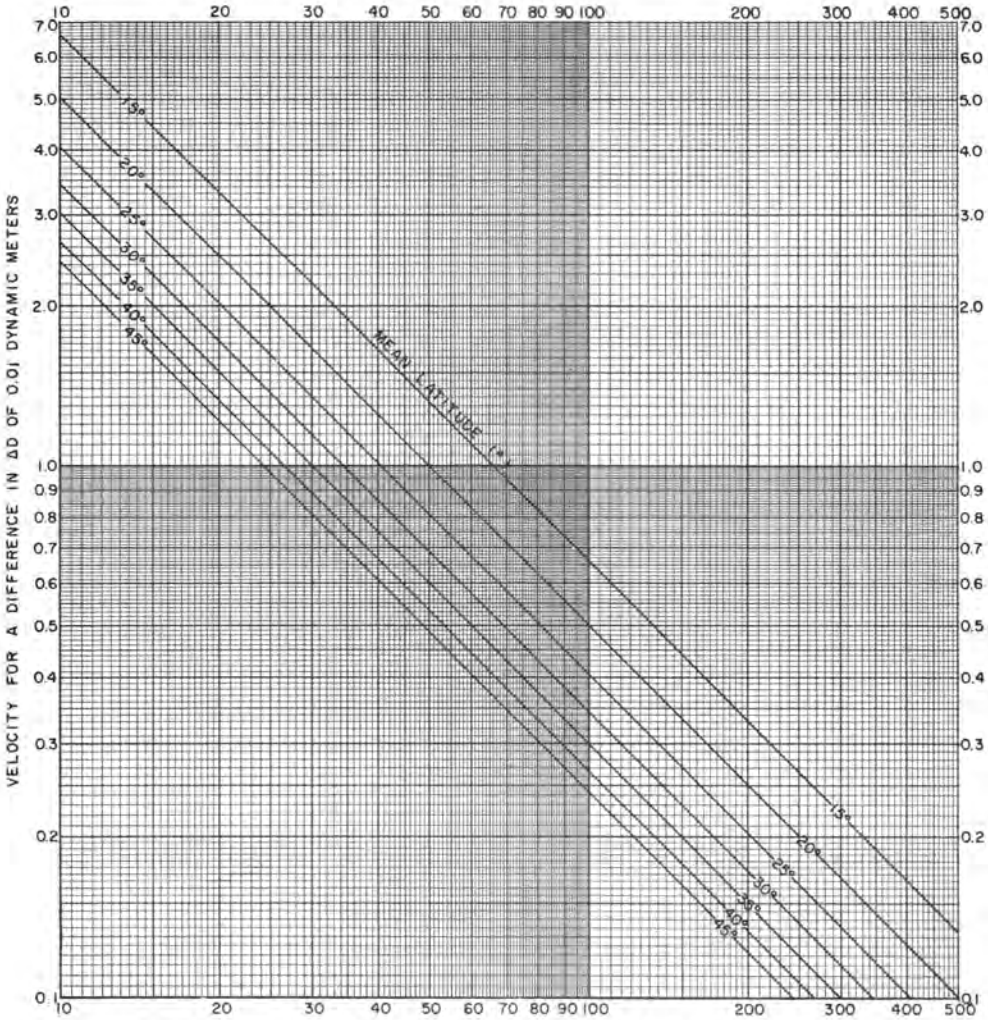

VELOCITY OF GEOSTROPHIC FLOW
(NAUTICAL MILES PER DAY)

cm/sec	0	1	2	3	4	5	6	7	8	9
0	KNOTS / N.M/DAY	0.02 / 0.47	0.04 / 0.93	0.06 / 1.40	0.08 / 1.86	0.10 / 2.33	0.12 / 2.80	0.14 / 3.26	0.16 / 3.73	0.17 / 4.20
10	0.19 / 4.66	0.21 / 5.13	0.23 / 5.59	0.25 / 6.06	0.27 / 6.53	0.29 / 6.99	0.31 / 7.46	0.33 / 7.93	0.35 / 8.39	0.37 / 8.86
20	0.39 / 9.32	0.41 / 9.79	0.43 / 10.26	0.45 / 10.72	0.47 / 11.19	0.49 / 11.66	0.51 / 12.12	0.52 / 12.59	0.54 / 13.05	0.56 / 13.52
30	0.58 / 13.99	0.60 / 14.45	0.62 / 14.92	0.64 / 15.38	0.66 / 15.85	0.68 / 16.32	0.70 / 16.78	0.72 / 17.25	0.74 / 17.72	0.76 / 18.18
40	0.78 / 18.65	0.80 / 19.11	0.82 / 19.58	0.84 / 20.05	0.85 / 20.51	0.87 / 20.98	0.89 / 21.45	0.91 / 21.91	0.93 / 22.38	0.95 / 22.84
50	0.97 / 23.31	0.99 / 23.78	1.01 / 24.24	1.03 / 24.71	1.05 / 25.17	1.07 / 25.64	1.09 / 26.11	1.11 / 26.57	1.13 / 27.04	1.15 / 27.51
60	1.17 / 27.98	1.18 / 28.44	1.20 / 28.90	1.22 / 29.37	1.24 / 29.84	1.26 / 30.30	1.28 / 30.77	1.30 / 31.24	1.32 / 31.70	1.34 / 32.17
70	1.36 / 32.63	1.38 / 33.10	1.40 / 33.57	1.42 / 34.03	1.44 / 34.50	1.46 / 34.96	1.48 / 35.43	1.50 / 35.90	1.52 / 36.36	1.53 / 36.83
80	1.55 / 37.30	1.57 / 37.76	1.59 / 38.23	1.61 / 38.69	1.63 / 39.16	1.65 / 39.63	1.67 / 40.09	1.69 / 40.56	1.71 / 41.03	1.73 / 41.49
90	1.75 / 41.96	1.77 / 42.42	1.79 / 42.89	1.81 / 43.36	1.83 / 43.82	1.85 / 44.29	1.86 / 44.76	1.88 / 45.22	1.90 / 45.69	1.92 / 46.15
100	1.94 / 46.62	1.96 / 47.09	1.98 / 47.55	2.00 / 48.02	2.02 / 48.48	2.04 / 48.95	2.06 / 49.42	2.08 / 49.88	2.10 / 50.35	2.12 / 50.82

CONVERSION TABLE
(CENTIMETERS / SECOND – KNOTS – NAUTICAL MILES / DAY)

1cm/sec=0.019 kts = 0.466 NAUTICAL MILES / DAY
1kt = 24 NAUTICAL MILES / DAY = 51.48 cm/sec
1 NAUTICAL MILE / DAY=0.042 kts = 2.14 cm/sec

FIGURES

Cruise 7205

1. CalCOFI Cruise 7205, station positions
2. Horizontal distribution of dynamic height anomaly (0 over 500 d-bar)
3. Horizontal distribution of dynamic height anomaly (200 over 500 d-bar)
4. Horizontal distribution of temperature at 10 meters
5. Horizontal distribution of salinity at 10 meters
6. Horizontal distribution of thermosteric anomaly at 10 meters
7. Horizontal distribution of temperature at 200 meters
8. Horizontal distribution of salinity at 200 meters
9. Horizontal distribution of thermosteric anomaly at 200 meters

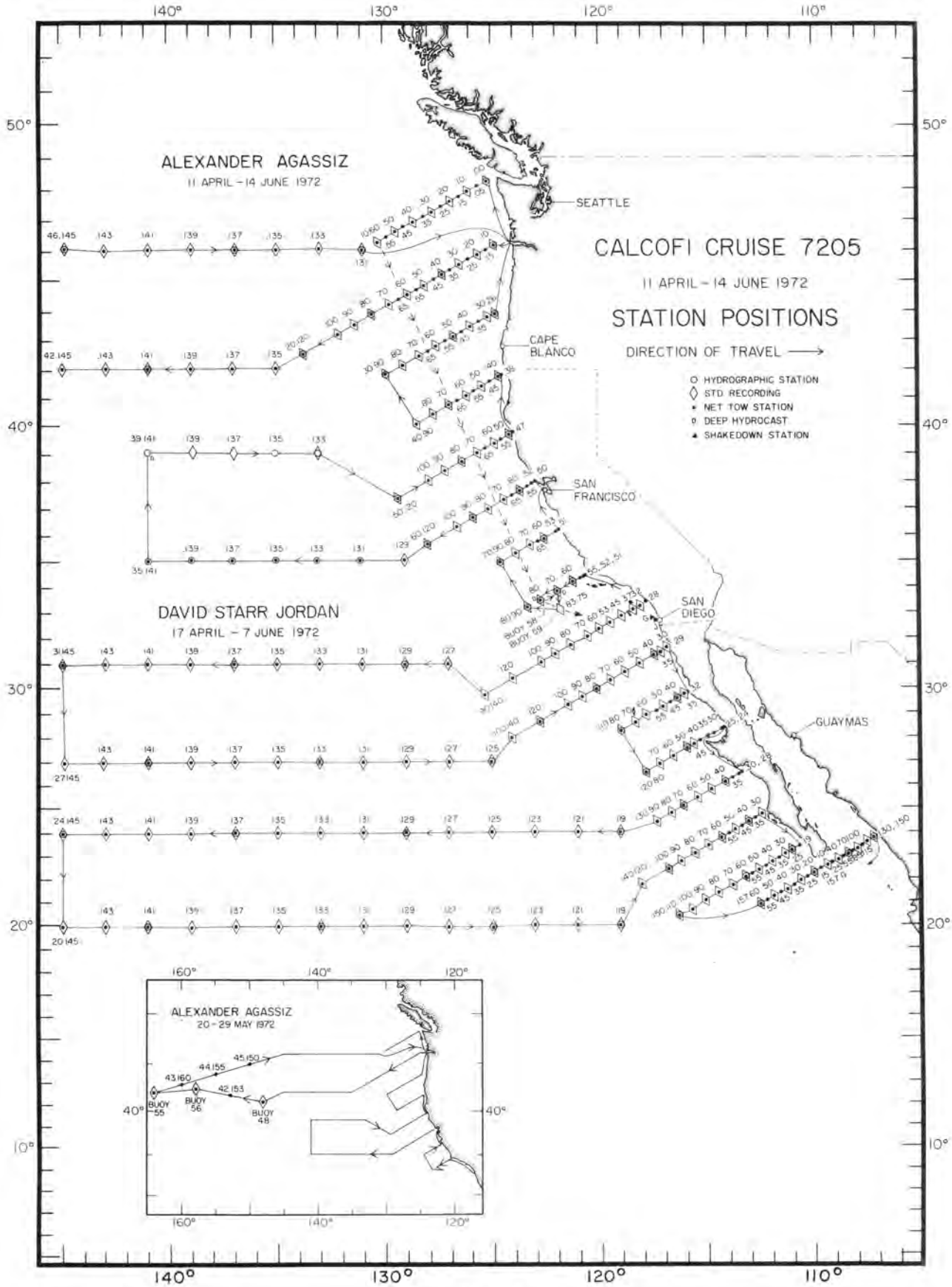
CALCOFI CRUISE 7205
11 APRIL - 14 JUNE 1972
STATION POSITIONS
DIRECTION OF TRAVEL
HYDROGRAPHIC STATION
STD RECORDING
NET TOW STATION
DEEP HYDROCAST
SHAKEDOWN STATION
ALEXANDER AGASSIZ
11 APRIL - 14 JUNE 1972
DAVID STARR JORDAN
17 APRIL - 7 JUNE 1972
SEATTLE
CAPE BLANCO
SAN FRANCISCO
SAN DIEGO
GUAYMAS
ALEXANDER AGASSIZ
20 - 29 MAY 1972
BUOY 55
BUOY 56
BUOY 48
140°
130°
120°
110°
50°
40°
30°
20°
10°
160°

FIGURE 1

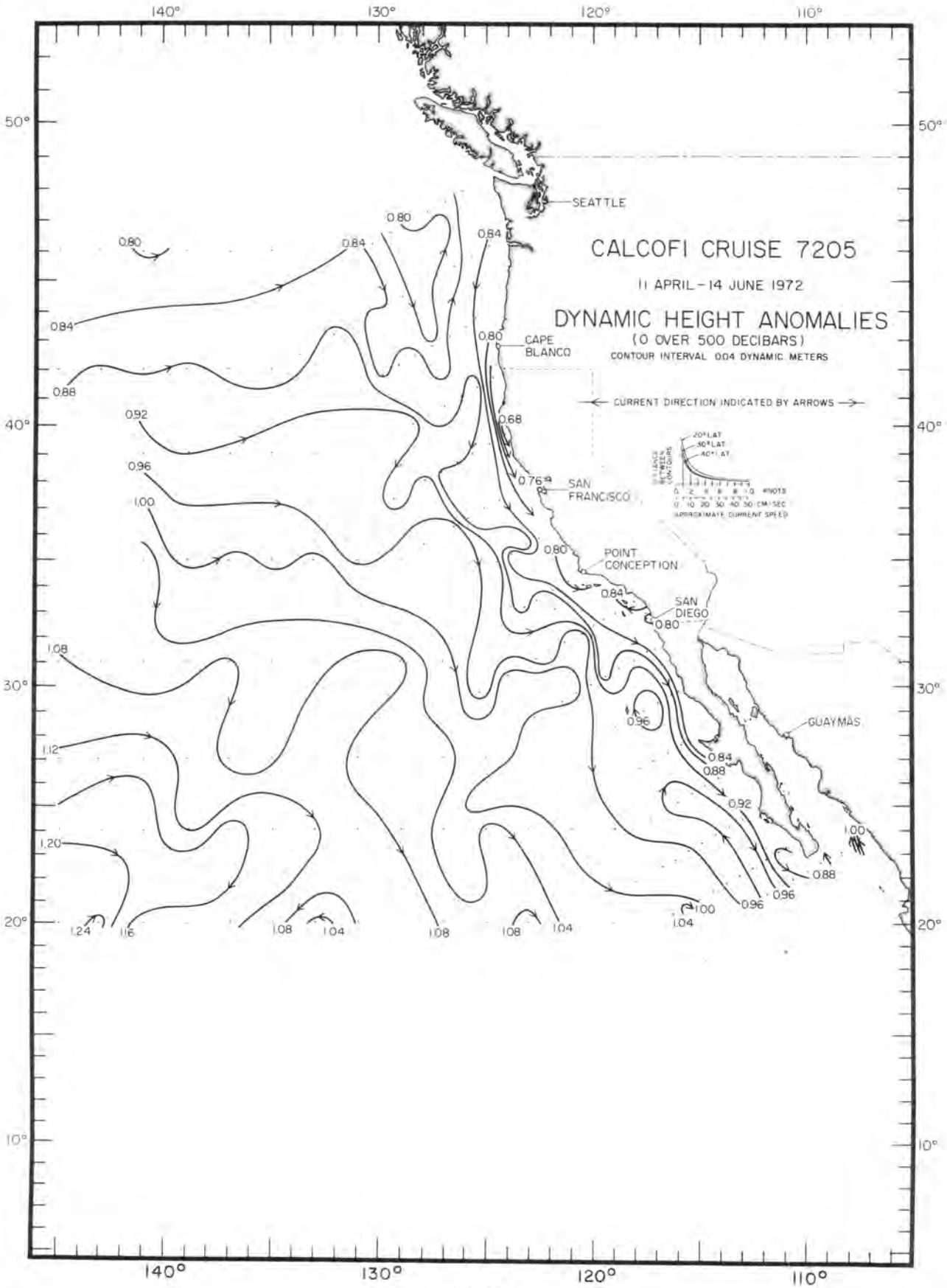
CALCOFI CRUISE 7205
11 APRIL - 14 JUNE 1972
DYNAMIC HEIGHT ANOMALIES
(0 OVER 500 DECIBARS)
CONTOUR INTERVAL 0.04 DYNAMIC METERS
CURRENT DIRECTION INDICATED BY ARROWS
SEATTLE
CAPE BLANCO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
GUAYMAS
140°
130°
120°
110°
50°
40°
30°
20°
10°

FIGURE 2

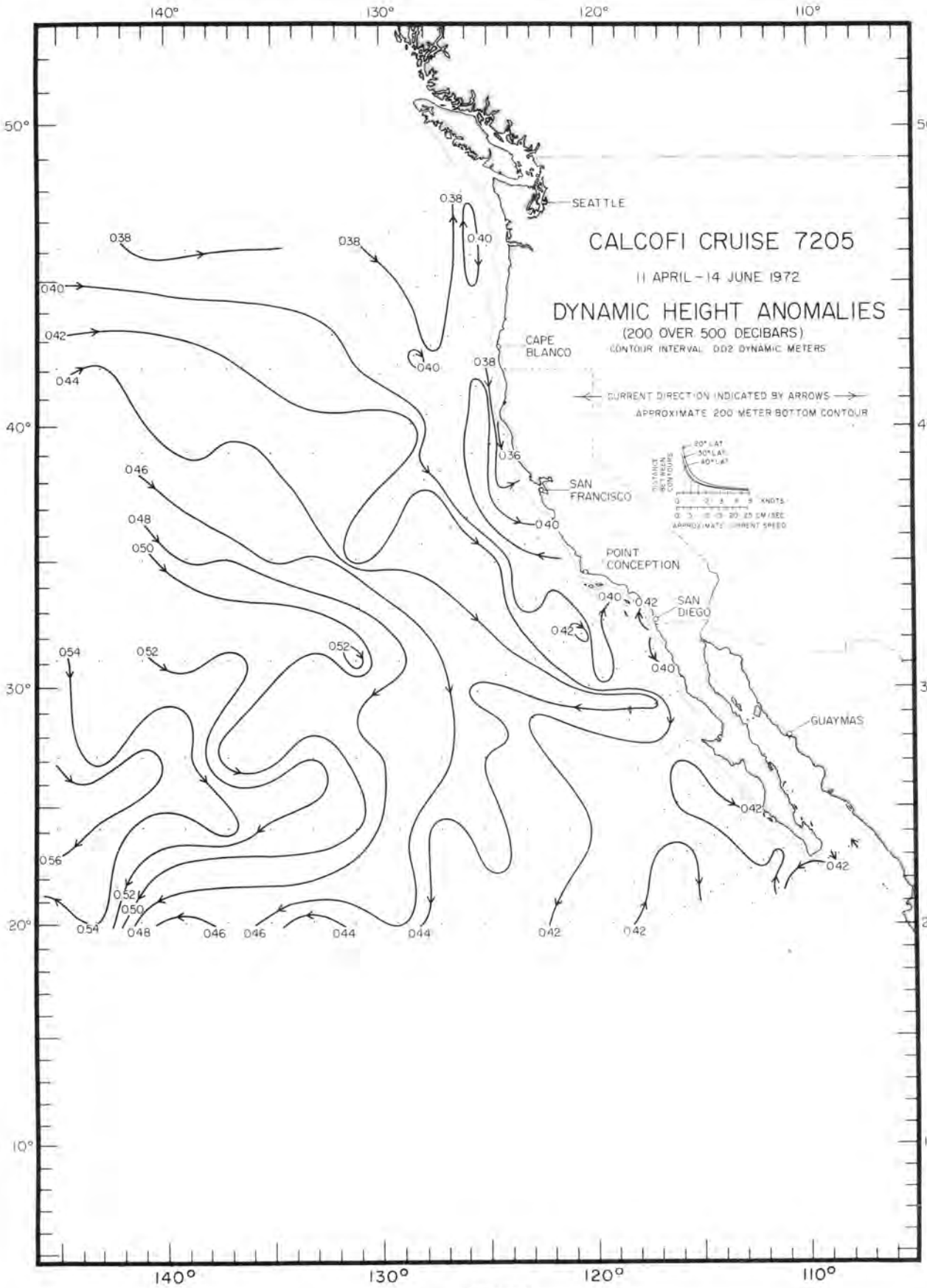
CALCOFI CRUISE 7205
11 APRIL - 14 JUNE 1972
DYNAMIC HEIGHT ANOMALIES
(200 OVER 500 DECIBARS)
CONTOUR INTERVAL .002 DYNAMIC METERS
CURRENT DIRECTION INDICATED BY ARROWS
APPROXIMATE 200 METER BOTTOM CONTOUR
SEATTLE
CAPE BLANCO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
GUAYMAS
140°
130°
120°
110°
50°
40°
30°
20°
10°

FIGURE 3

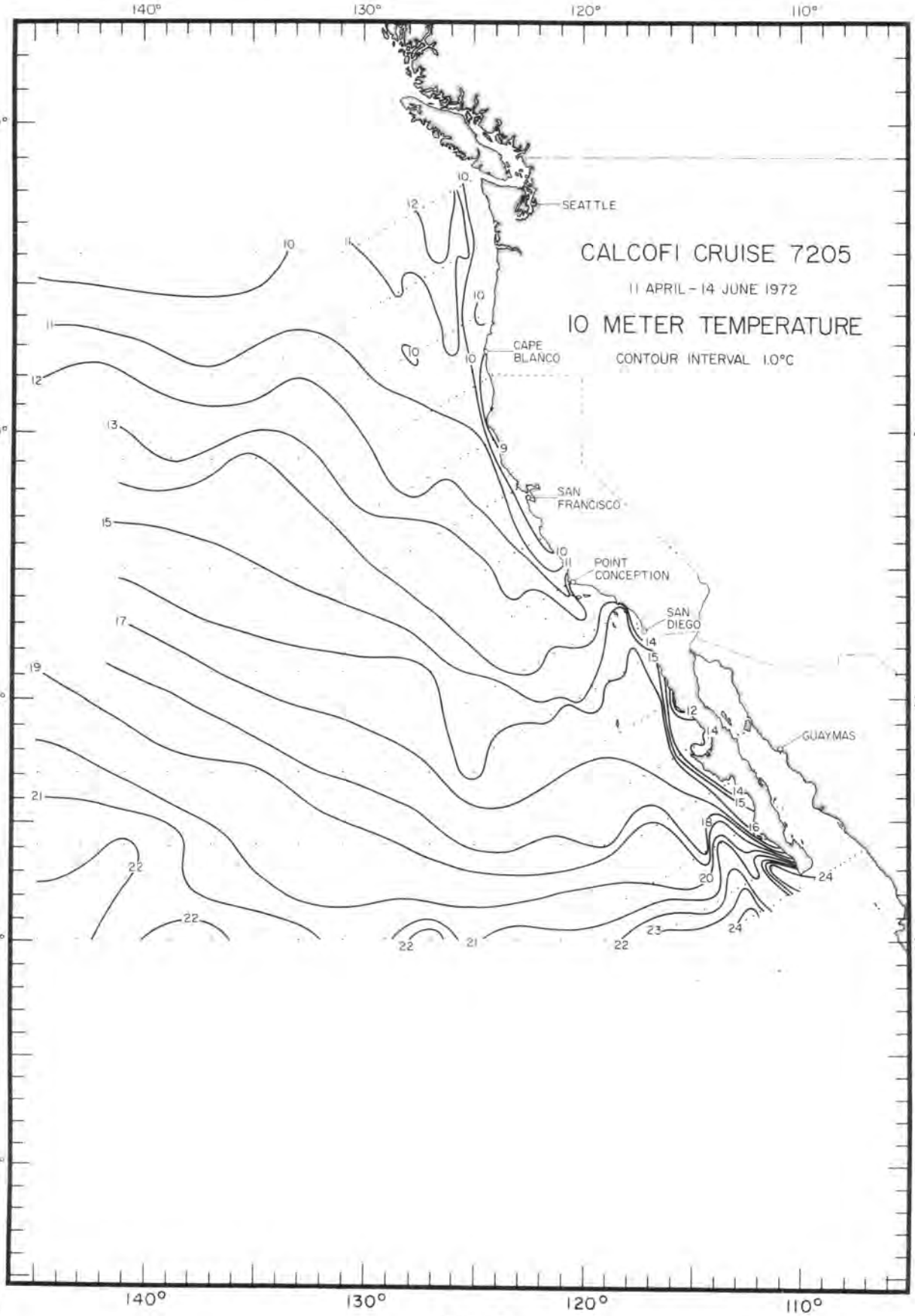
CALCOFI CRUISE 7205
11 APRIL - 14 JUNE 1972
10 METER TEMPERATURE
CONTOUR INTERVAL 1.0°C
SEATTLE
CAPE BLANCO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
GUAYMAS
140°
130°
120°
110°
50°
40°
30°
20°
10°

FIGURE 4

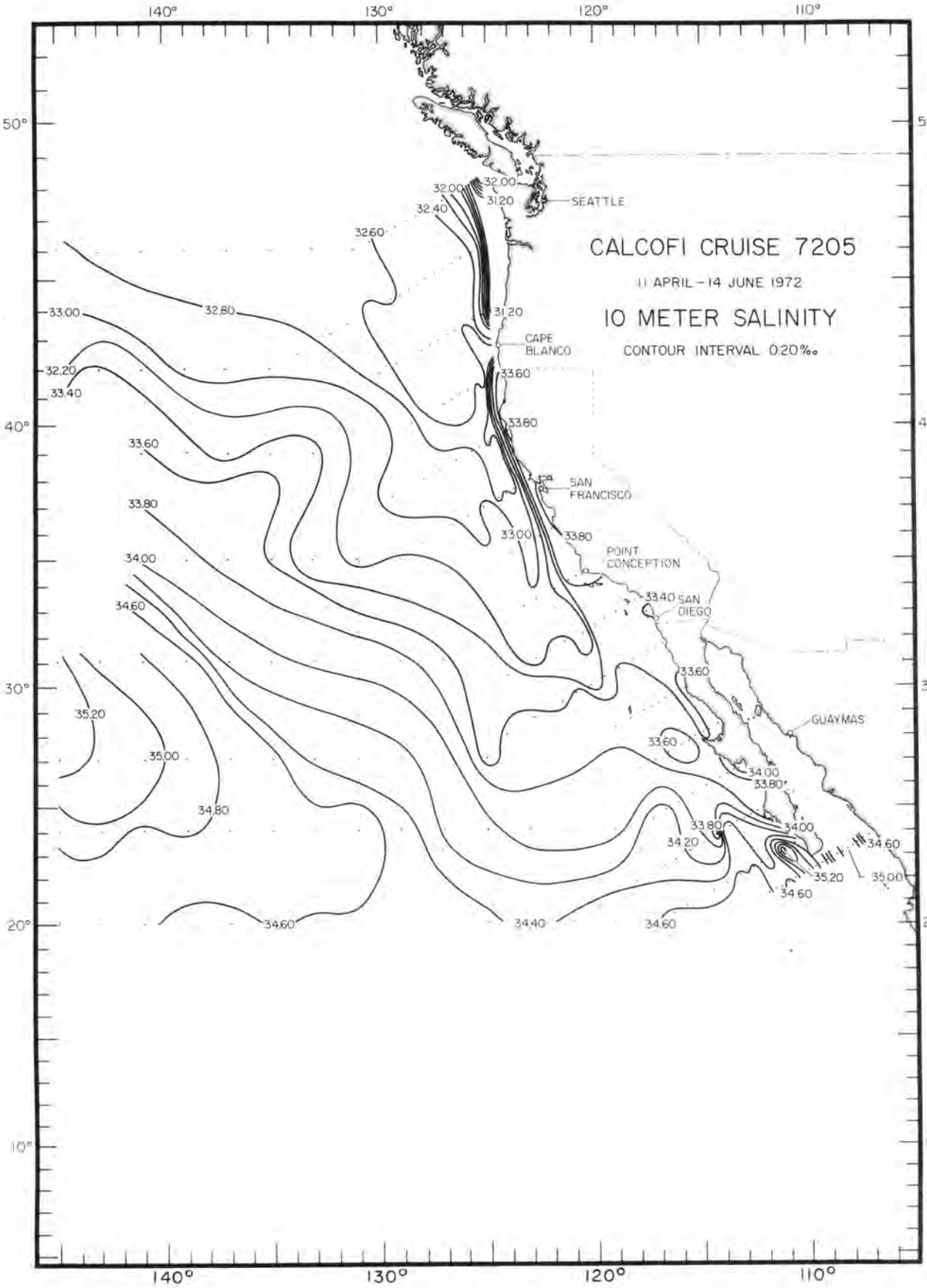
CALCOFI CRUISE 7205
11 APRIL – 14 JUNE 1972
10 METER SALINITY
CONTOUR INTERVAL 0.20‰
SEATTLE
CAPE BLANCO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
GUAYMAS
140°
130°
120°
110°
50°
40°
30°
20°
10°
32.00
31.20
32.40
32.60
32.80
33.00
32.20
33.40
33.60
33.80
34.00
34.60
35.20
35.00
34.80
34.40
34.20

FIGURE 5

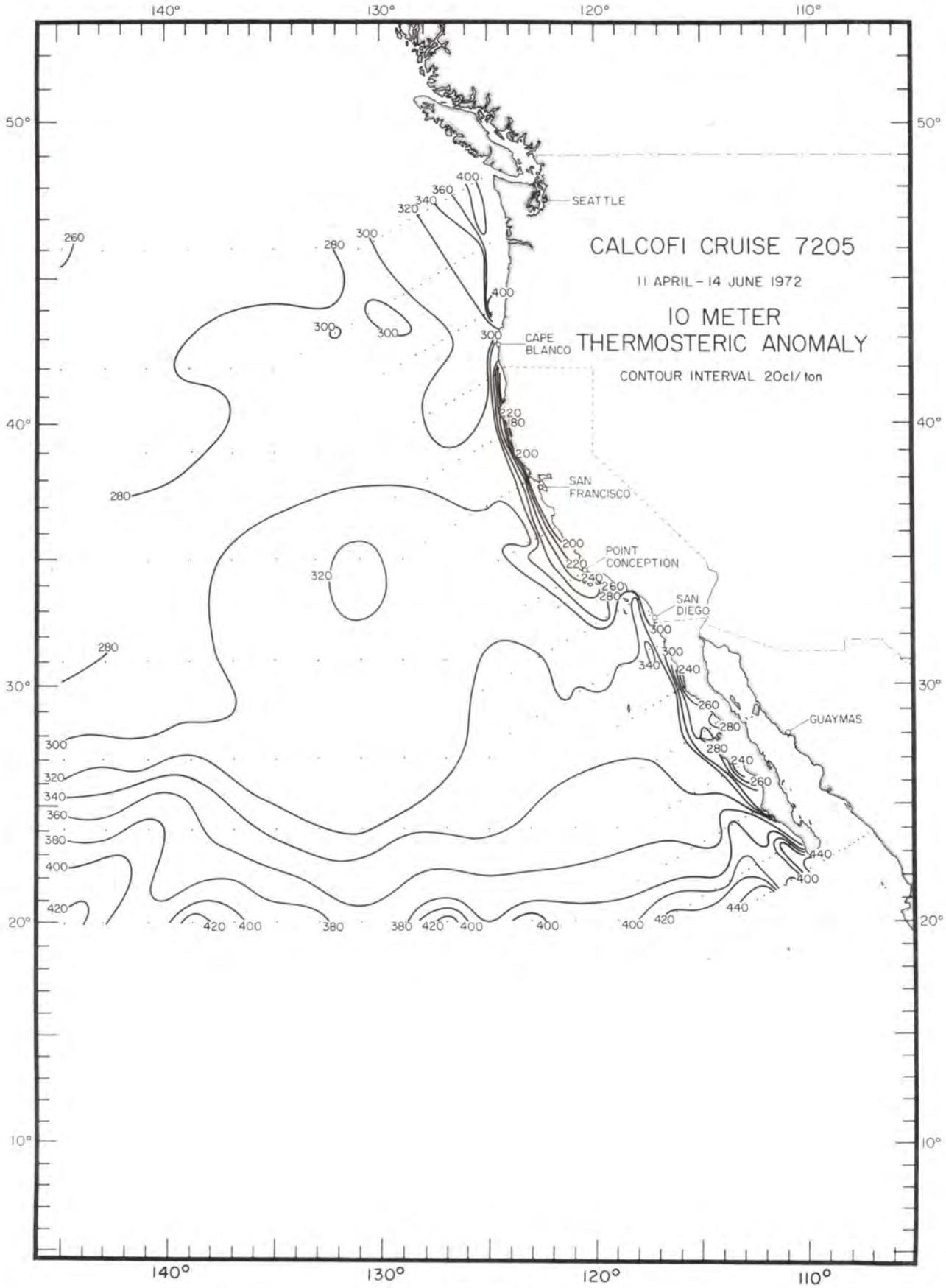
CALCOFI CRUISE 7205
11 APRIL - 14 JUNE 1972
10 METER
THERMOSTERIC ANOMALY
CONTOUR INTERVAL 20cl/ton
SEATTLE
CAPE BLANCO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
GUAYMAS
140°
130°
120°
110°
50°
40°
30°
20°
10°

FIGURE 6

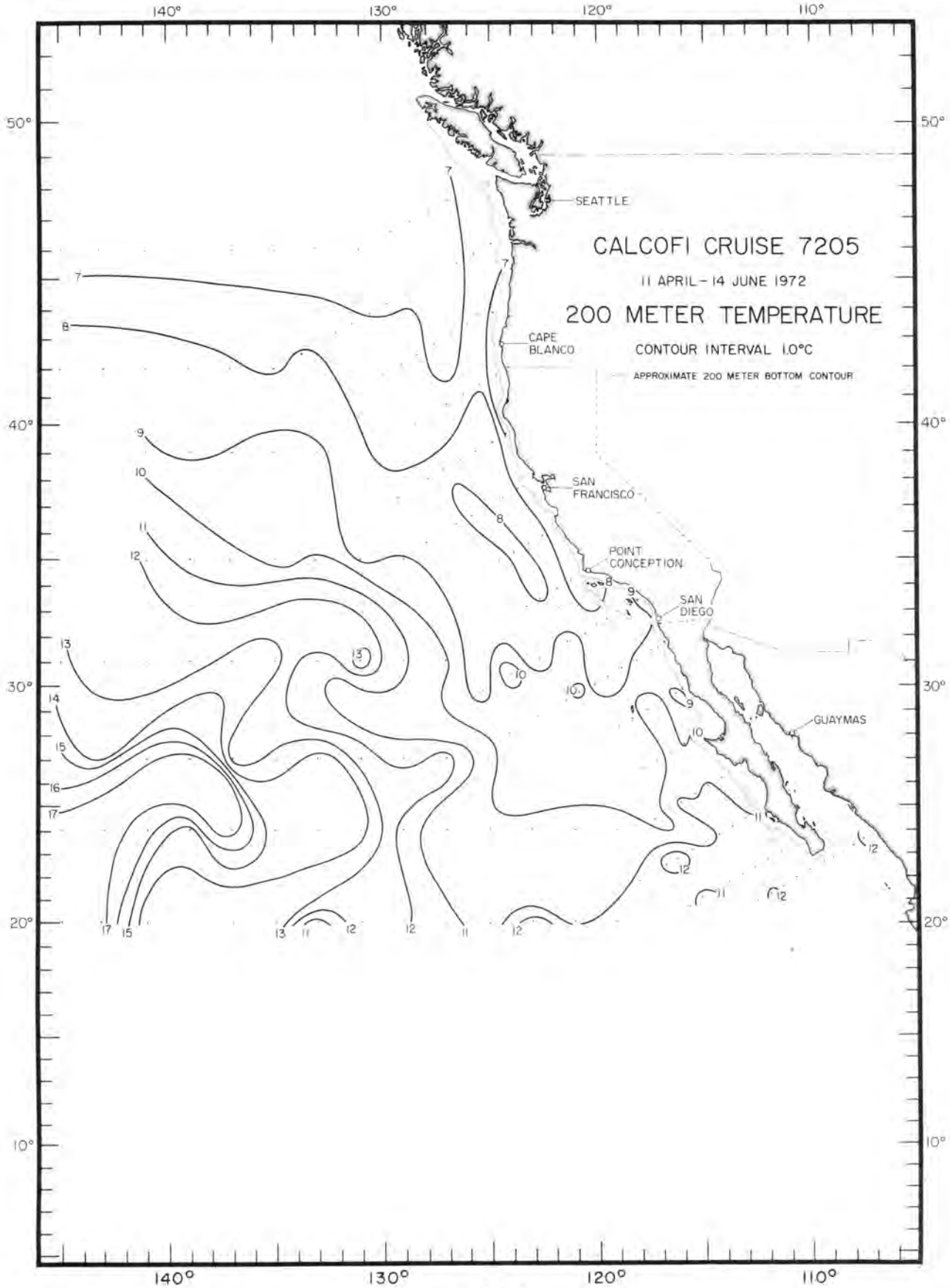
CALCOFI CRUISE 7205
11 APRIL - 14 JUNE 1972
200 METER TEMPERATURE
CONTOUR INTERVAL 1.0°C
APPROXIMATE 200 METER BOTTOM CONTOUR
SEATTLE
CAPE BLANCO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
GUAYMAS
140°
130°
120°
110°
50°
40°
30°
20°
10°

FIGURE 7

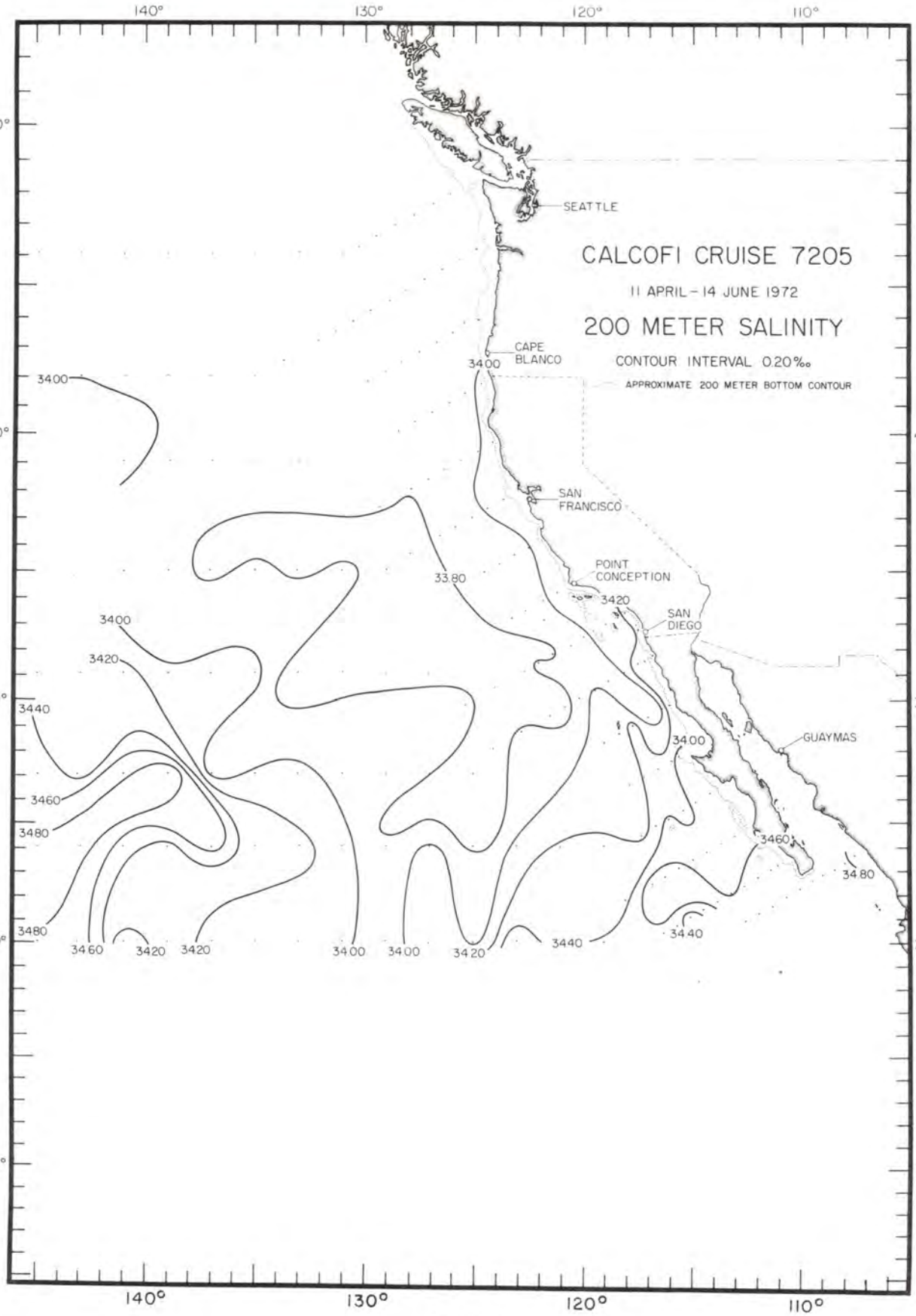
CALCOFI CRUISE 7205
11 APRIL - 14 JUNE 1972
200 METER SALINITY
CONTOUR INTERVAL 0.20‰
APPROXIMATE 200 METER BOTTOM CONTOUR
SEATTLE
CAPE BLANCO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
GUAYMAS
140°
130°
120°
110°
50°
40°
30°
20°
10°
3400
3420
3440
3460
3480
33.80
34.00
34.20
34.40
34.60
34.80

FIGURE 8

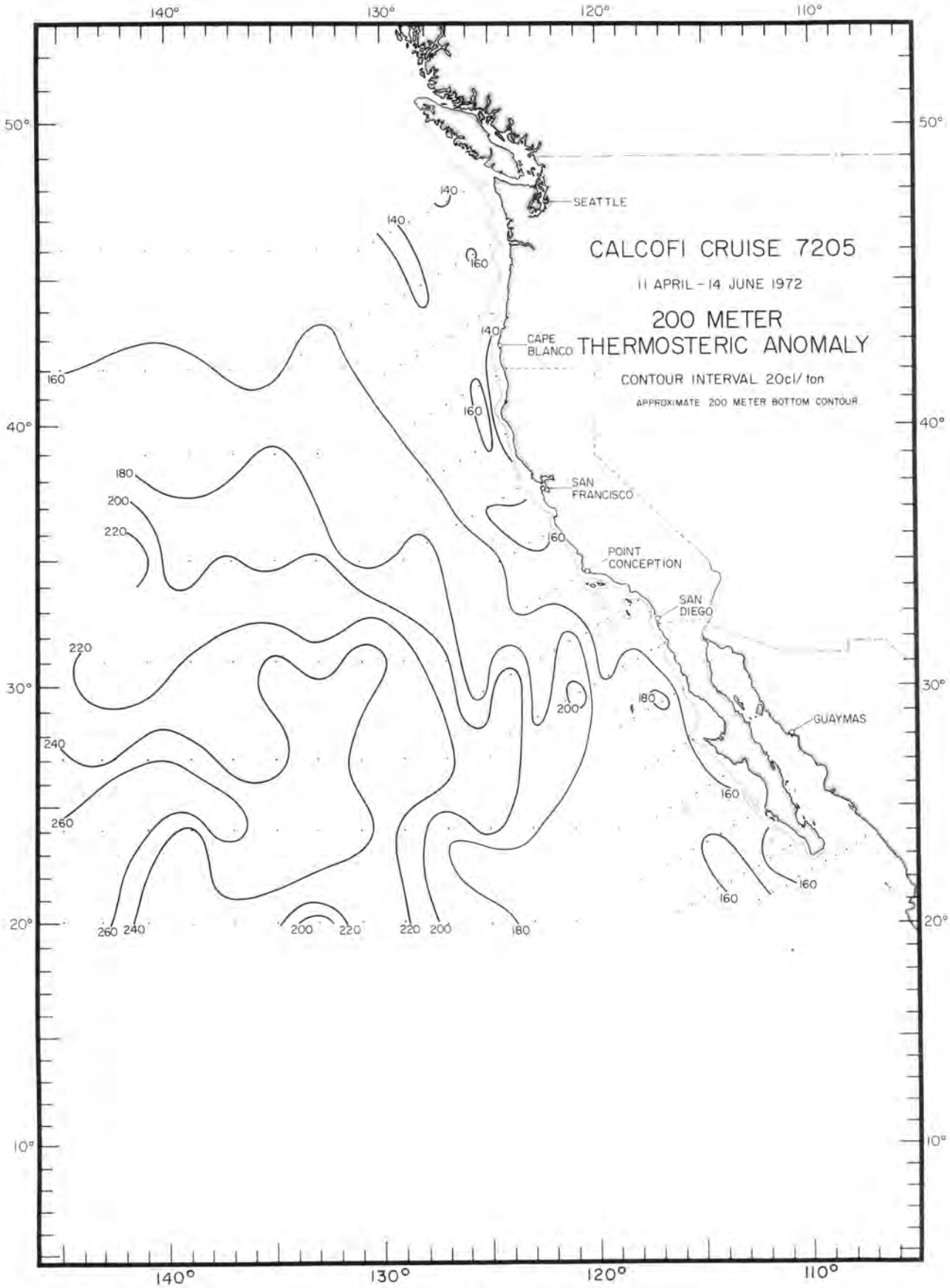
CALCOFI CRUISE 7205
11 APRIL - 14 JUNE 1972
200 METER
THERMOSTERIC ANOMALY
CONTOUR INTERVAL 20cl/ ton
APPROXIMATE 200 METER BOTTOM CONTOUR
SEATTLE
CAPE BLANCO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
GUAYMAS
140°
130°
120°
110°
50°
40°
30°
20°
10°
140
160
180
200
220
240
260

FIGURE 9

PERSONNEL

Cruise 7205

SHIP'S CAPTAINS

Davis, Laurence E., RV Alexander Agassiz
Forster, Charles W., RV David Starr Jordan

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

RV Alexander Agassiz:

Bryan, Walter R. (in charge Legs I, II)	Marine Technician SIO
Muus, David A. (in charge Legs III, IV)	Staff Research Associate SIO
Borden, Randy L.	Sea Grant Student SDSU
Burgener, Bruce C.	Staff Research Associate SIO
Dumas, Frederick J.	Marine Technician SIO
Graham, Jery	Electronics Technician SIO
Kellogg, Durrant	Marine Technician SIO
Kemp, Robert	Electronics Technician SIO
Kimura, Makoto	Fisheries Technician NMFS
Knutson, Kenneth	Electronics Technician SIO
McDonald, Judy	Sea Grant Student SDSU
Patla, Susan M.	Marine Technician SIO
Pierce, Stephen E.	Marine Technician SIO
Schmitt, James A.	Electronics Technician SIO
Thomas, James E.	Marine Technician SIO
Wilson, Robert C.	Sea Grant Student SDSU
Witherow, Sharon L.	Secretary SIO

RV David Starr Jordan:

Vrooman, Andrew M. (in charge)	Fishery Biologist NMFS
Barker, Susan G.	Volunteer
Brennen, Robert	Marine Technician SIO
Brown, Jack	Electronics Technician NMFS
Costello, James P.	Staff Research Associate SIO
Counts, Robert C.	Fishery Biologist NMFS
Davies, E.	Naval Underseas Center
Guttman, Michael A.	Sea Grant Student SDSU
Kimbrell, Carol A.	Biology Laboratory Technician NMFS
Metoyer, Jack D.	Biology Laboratory Technician NMFS
Peckham, Richard L.	Sea Grant Student SDSU
Shuey, Raymond E.	Electronics Technician NMFS
Sinclair, Michael M.	Marine Technician SIO
Smith, Paul E.	Fishery Biologist NMFS
Toy, Charles R.	Marine Technician GEOSECS
Woy, Fredrick	Staff Research Associate GEOSECS
Yates, Robert E.	Marine Technician SIO

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 10000

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
48 15.0N	125 10.5W	6/ 7/72	1052 GMT	121M	310	14KT	1	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	10.66	31.911	7.55	0.38	7.	0.06	0.7	348.6	0	10.66	31.911	7.55	24.457	348.6	0.000
11	9.24	32.156	6.46	0.93	16.	0.17	9.1	308.2	10	9.36	32.132	6.58	24.840	312.1	0.033
26	7.98	32.616	4.17	1.99	36.	0.31	23.1	255.9	20	8.39	32.415	5.05	25.210	276.8	0.063
36	7.39	33.054	3.44	2.19	40.	0.38	26.4	215.3	30	7.71	32.805	3.83	25.614	238.4	0.088
47	7.08	33.203	2.85	2.36	46.	0.39	28.9	200.1	50	7.02	33.289	2.69	26.091	193.1	0.132
63	6.87	33.638	2.24	2.55	52.	0.44	31.4	164.9	75	6.90	33.754	2.41	26.473	156.8	0.176
78	6.92	33.765	2.48	2.43	49.	0.28	31.1	156.1	100	6.91	33.841	2.50	26.540	150.4	0.214
103	6.91	33.841	2.50	2.41	50.	0.23	30.8	150.3							

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 10000

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
48 15.0N	125 10.5W	6/ 7/72	1155 GMT	121M	310	14KT	1	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	10.13	31.95		24.576	337.2	0.000
									10	8.51	32.23		25.050	292.0	0.031
									20	8.15	32.43		25.260	272.1	0.060
									30	7.63	32.83		25.648	235.2	0.085
									50	6.96	33.53		26.290	174.1	0.126
									75	6.88	33.69		26.426	161.2	0.168
									100	6.91	33.86		26.556	148.9	0.207

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 10010

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
47 55.0N	126 03.5W	6/ 7/72	1650 GMT	1627M	330	11KT	1	330 2 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.37	31.59		23.900	401.7	0.000
									10	12.37	31.93		24.163	376.6	0.039
									20	12.12	32.18		24.403	353.7	0.075
									30	9.50	32.16		24.842	311.9	0.109
									50	8.07	32.48		25.311	267.3	0.167
									75	7.32	32.71		25.597	240.0	0.230
									100	7.85	33.36		26.032	198.7	0.286
									125	7.90	33.67		26.267	176.3	0.333
									150	7.76	33.80		26.389	164.7	0.376
									200	7.35	33.90		26.526	151.7	0.457
									250	6.80	33.94		26.634	141.5	0.532
									300	6.25	33.97		26.730	132.4	0.602
									400	5.09	33.96		26.864	119.7	0.732
									500	4.84	34.07		26.979	108.7	0.851
									600	4.58	34.15		27.071	100.0	0.961
									700	4.40	34.22		27.147	92.8	1.064
									800	4.03	34.28		27.233	84.6	1.160
									1000	3.59	34.36		27.341	74.4	1.334

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 10020

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
47 35.0N	126 52.5W	6/ 7/72	2230 GMT	2473M	310	10KT	1	310 1 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.70	32.33		24.409	353.2	0.000
									10	12.05	32.33		24.532	341.4	0.035
									20	11.75	32.36		24.611	333.9	0.069
									30	9.25	32.26		24.960	300.6	0.100
									50	7.95	32.46		25.313	267.1	0.157
									75	7.50	32.80		25.643	235.7	0.220
									100	7.37	33.35		26.092	192.9	0.274
									125	7.38	33.76		26.412	162.5	0.319
									150	7.18	33.87		26.527	151.7	0.359
									200	6.52	33.92		26.655	139.4	0.433
									250	5.85	33.92		26.741	131.3	0.502
									300	5.43	33.95		26.816	124.2	0.568
									400	5.05	34.05		26.940	112.5	0.690
									500	4.82	34.11		27.013	105.5	0.804
									600	4.45	34.19		27.117	95.6	0.910
									700	4.18	34.26		27.202	87.6	1.008
									800	3.90	34.30		27.262	81.8	1.099
									1000	3.44	34.40		27.388	70.0	1.265

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 10020

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
47 35.0N	126 52.5W	6/ 7/72	2336 GMT	2473M	310	10KT	1	310 1 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	13.14	32.292	6.44	0.36	1.	0.00	0.0	364.1	0	13.14	32.292	6.44	24.294	364.1	0.000
11	12.38	32.341	6.52	0.37	1.	0.00	0.0	346.5	10	12.46	32.340	6.51	24.460	348.2	0.036
31	10.61	32.380	7.02	0.42	2.	0.00	0.0	313.1	20	11.62	32.365	6.74	24.637	331.4	0.070
57	8.01	32.467	7.06	0.74	7.	0.14	4.9	267.4	30	10.70	32.382	6.99	24.812	314.8	0.102
72	7.77	32.589	6.42	0.98	9.	0.22	8.3	255.0	50	8.59	32.433	7.05	25.195	278.3	0.161
87	7.59	32.931	5.51	1.34	18.	0.05	14.8	227.1	75	7.73	32.650	6.25	25.491	250.1	0.228
102	7.41	33.295	4.65	1.64	27.	0.02	20.6	197.6	100	7.43	33.250	4.76	26.004	201.3	0.285
132	7.36	33.754	3.55	2.03	37.	0.00	26.8	162.7	125	7.36	33.681	3.73	26.351	168.3	0.331
157	7.13	33.856	3.29	2.12	42.	0.00	28.4	152.0	150	7.21	33.845	3.33	26.502	154.0	0.372
182	6.80	33.893	3.09	2.21	46.	0.00	29.9	145.0	200	6.55	33.886	2.93	26.624	142.4	0.447
217	6.32	33.873	2.77	2.37	55.	0.00	31.9	140.5	250	5.99	33.907	2.43	26.712	134.1	0.518
282	5.74	33.953	2.10	2.69	64.	0.00	36.4	127.5	300	5.61	33.971	1.95	26.810	124.7	0.584
383	5.15	34.036	1.37	2.94	80.	0.00	40.7	114.6	400	5.10	34.049	1.28	26.932	113.2	0.707
483	4.89	34.104	0.92	3.04	87.	0.00	43.1	106.7	500	4.83	34.118	0.86	27.017	105.1	0.821
616	4.46	34.207	0.55		108.	0.00	44.0	94.4	600	4.51	34.195	0.58	27.114	95.9	0.927
771	4.08								700	4.31	34.270	0.50	27.196	88.2	1.026
921	3.70	34.371	0.37	3.18	128.	0.00	45.1	74.6	800	4.00	34.318	0.44	27.265	81.6	1.118
1131	3.19	34.442	0.48	3.33	141.	0.00	45.8	64.6	1000	3.51	34.402	0.39	27.382	70.5	1.285

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 10030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
47 14.5N	127 43.0W	6/ 8/72	0450 GMT	2673M	360	11KT	1	360 3 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.24	32.37		24.527	341.9	0.000
									10	11.92	32.37		24.587	336.1	0.034
									20	11.55	32.38		24.663	328.9	0.067
									30	9.85	32.44		25.004	296.5	0.099
									50	7.75	32.54		25.404	258.4	0.154
									75	7.22	32.61		25.533	246.2	0.217
									100	6.98	32.77		25.691	231.1	0.277
									125	6.88	33.04		25.916	209.7	0.333
									150	7.15	33.69		26.389	164.7	0.380
									200	6.50	33.84		26.595	145.2	0.459
									250	5.89	33.88		26.705	134.8	0.530
									300	5.50	33.91		26.776	128.0	0.598
									400	4.82	33.99		26.918	114.5	0.723
									500	4.37	34.05		27.015	105.3	0.837
									600	3.98	34.13		27.119	95.4	0.943
									700	3.98	34.24		27.207	87.1	1.039
									800	3.89	34.33		27.287	79.5	1.129
									1000	3.37	34.40		27.394	69.4	1.293

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 10040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 55.5N	128 36.0W	6/ 8/72	1119 GMT	2724M	360	12KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.07	32.53		24.683	327.0	0.000
									10	11.37	32.53		24.812	314.8	0.032
									20	10.65	32.54		24.946	301.9	0.063
									30	9.05	32.54		25.210	276.9	0.092
									50	7.75	32.60		25.451	253.9	0.145
									75	7.37	32.66		25.551	244.4	0.208
									100	7.24	32.80		25.679	232.3	0.268
									125	7.04	33.09		25.934	208.0	0.323
									150	6.96	33.61		26.353	168.2	0.371
									200	6.39	33.82		26.594	145.3	0.450
									250	5.82	33.87		26.705	134.7	0.522
									300	5.28	33.90		26.794	126.3	0.588
									400	4.53	33.96		26.926	113.7	0.712
									500	4.26	34.04		27.019	105.0	0.826
									600	4.25	34.17		27.123	95.1	0.931
									700	3.90	34.23		27.207	87.1	1.028
									800	3.64	34.28		27.273	80.9	1.118
									1000	3.27	34.38		27.388	70.0	1.282

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 10050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 35.0N	129 27.5W	6/ 8/72	1735 GMT	2577M	060	17KT	2	060 2 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.01	32.50		24.671	328.2	0.000
									10	11.18	32.49		24.815	314.5	0.032
									20	10.85	32.49		24.873	308.9	0.063
									30	9.85	32.49		25.043	292.8	0.093
									50	7.12	32.49		25.452	253.8	0.148
									75	6.62	32.71		25.691	231.1	0.209
									100	6.78	33.28		26.118	190.5	0.262
									125	6.94	33.69		26.418	161.9	0.307
									150	6.72	33.82		26.550	149.4	0.346
									200	6.08	33.87		26.673	137.8	0.419
									250	5.56	33.89		26.753	130.2	0.487
									300	5.07	33.91		26.827	123.2	0.552
									400	4.41	33.98		26.955	111.0	0.673
									500	4.25	34.08		27.052	101.9	0.783
									600	4.05	34.17		27.144	93.1	0.886
									700	3.81	34.24		27.224	85.5	0.981
									800	3.75	34.30		27.278	80.4	1.070
									1000	3.20	34.40		27.410	67.8	1.232

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 10060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 15.0N	130 16.5W	6/ 8/72	2319 GMT	2080M	050	14KT	6	070 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.17	32.61		24.909	305.5	0.000
10	10.80	32.61		24.975	299.2	0.030
20	10.13	32.61		25.089	288.3	0.060
30	9.08	32.60		25.252	272.9	0.088
50	8.00	32.67		25.470	252.1	0.140
75	7.27	32.69		25.588	240.9	0.202
100	6.75	32.68		25.650	235.0	0.262
125	6.50	32.86		25.824	218.4	0.319
150	6.54	33.35		26.204	182.3	0.370
200	6.25	33.81		26.604	144.3	0.452
250	5.42	33.83		26.722	133.1	0.523
300	5.08	33.85		26.778	127.8	0.590
400	4.29	33.93		26.928	113.5	0.714
500	4.03	34.03		27.035	103.4	0.826
600	4.03	34.15		27.130	94.4	0.930
700	3.82	34.23		27.215	86.4	1.026
800	3.59	34.29		27.286	79.7	1.115
1000	3.19	34.39		27.403	68.5	1.277

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 20010

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 10.0N	124 51.0W	5/14/72	0131 GMT	877M	340	18KT	4	350 5 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.98	30.24		22.930	494.4	0.000
10	8.80	31.28		24.266	366.9	0.043
20	8.90	31.96		24.781	317.7	0.077
30	7.92	32.13		25.059	291.3	0.108
50	8.16	32.45		25.274	270.7	0.164
75	8.03	32.99		25.716	228.7	0.227
100	8.06	33.45		26.071	194.9	0.280
125	7.88	33.70		26.293	173.8	0.327
150	7.67	33.82		26.418	162.0	0.369
200	7.08	33.92		26.580	146.6	0.448
250	6.61	33.97		26.683	136.8	0.520
300	6.20	33.98		26.744	131.0	0.589
400	5.61	34.05		26.873	118.8	0.718
500	5.05	34.13		27.003	106.5	0.836
600	4.72	34.18		27.080	99.2	0.945
700	4.35	34.27		27.192	88.6	1.045

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 20010

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 10.0N	124 51.0W	5/14/72	0240 GMT	877M	340	18KT	4	350 5 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	11.99	30.263	7.05	0.09	2.	0.01	0.0	492.9
10	9.69	31.090	7.87	0.19	1.	0.01	0.0	394.2
30	8.52	32.122	6.53	0.71	9.	0.11	5.1	300.2
40	8.37	32.369	6.51	0.76	9.	0.33	5.6	279.7
50	8.25	32.444	6.63	0.73	9.	0.28	5.9	272.4
65	8.12	32.675	6.05	0.94	12.	0.08	10.2	253.4
79	8.09	32.963	5.34	1.24	18.	0.02	15.2	231.6
99	8.13	33.421	4.13	1.64	28.	0.01	21.8	198.1
124	7.87	33.735	3.39	1.94	35.	0.01	26.8	171.1
144	7.80	33.811	3.14	2.03	38.	0.01	27.4	164.4
173	7.41	33.898	2.80	2.18	44.	0.01	29.1	152.6
203	6.97	33.947	2.53	2.27	50.	0.01	31.6	143.2
232	6.73	33.963	2.35	2.36	53.	0.00	34.6	138.9
272	6.45	33.979	2.20	2.46	58.	0.00	33.4	134.2
332	6.03	34.011	1.76	2.58	65.	0.00	37.3	126.6
407	5.63	34.016	1.53	2.71	69.	0.00	38.3	121.5
481	5.15	34.114	0.95	2.96	83.	0.00	40.6	108.8
563	4.88	34.152	0.73	3.11	92.	0.00	44.0	103.0

Z	T	S	O2	SIGT	DT	DD
0	11.99	30.263	7.05	22.946	492.9	0.000
10	9.69	31.090	7.87	23.980	394.2	0.044
20	9.11	31.783	7.34	24.608	334.1	0.081
30	8.52	32.122	6.53	24.965	300.2	0.113
50	8.25	32.444	6.63	25.256	272.4	0.170
75	8.10	32.880	5.56	25.617	238.1	0.234
100	8.12	33.441	4.09	26.053	196.6	0.289
125	7.87	33.742	3.37	26.327	170.6	0.335
150	7.73	33.833	3.07	26.418	162.0	0.377
200	7.01	33.945	2.55	26.608	143.9	0.455
250	6.60	33.972	2.28	26.684	136.7	0.527
300	6.25	33.996	2.00	26.750	130.5	0.596
400	5.67	34.015	1.55	26.838	122.1	0.726
500	5.06	34.131	0.90	27.001	106.7	0.846

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 20020

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
45 51.0N	125 38.0W	5/14/72	0757 GMT	1757M	330	13KT	0	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.49	32.49		24.759	319.8	0.000
10	10.94	32.47		24.841	311.9	0.032
20	9.92	32.40		24.961	300.6	0.062
30	9.37	32.47		25.105	286.9	0.092
50	8.85	32.57		25.264	271.7	0.148
75	8.34	33.26		25.881	213.0	0.209
100	8.40	33.64		26.169	185.6	0.259
125	8.25	33.72		26.254	177.5	0.305
150	8.12	33.81		26.344	169.0	0.349
200	7.89	33.88		26.433	160.6	0.432
250	7.55	33.94		26.529	151.4	0.512
300	7.00	33.98		26.638	141.1	0.587
400	5.89	34.05		26.839	122.0	0.724
500	5.26	34.09		26.947	111.8	0.846
600	4.80	34.17		27.063	100.8	0.959
700	4.38	34.25		27.172	90.4	1.061
800	4.18	34.31		27.241	83.9	1.155
1000	3.66	34.42		27.382	70.5	1.325

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 20030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
45 31.0N	126 27.0W	5/14/72	1432 GMT	2709M	020	12KT	2	010 4 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.90	32.52		24.707	324.7	0.000
10	11.90	32.52		24.707	324.7	0.032
20	10.63	32.51		24.927	303.8	0.064
30	9.84	32.52		25.067	290.4	0.094
50	9.24	32.48		25.133	284.2	0.151
75	8.23	32.59		25.373	261.3	0.220
100	7.95	33.07		25.790	221.7	0.280
125	7.56	33.61		26.269	176.1	0.331
150	7.55	33.81		26.427	161.1	0.373
200	6.74	33.88		26.595	145.2	0.451
250	6.20	33.90		26.681	137.0	0.523
300	5.65	33.92		26.766	129.0	0.592
400	4.97	34.03		26.933	113.1	0.717
500	4.96	34.11		26.997	107.0	0.832
600	4.56	34.20		27.113	96.0	0.939
700	4.21	34.27		27.206	87.2	1.037
800	3.95	34.32		27.273	80.8	1.127
1000	3.50	34.41		27.390	69.8	1.293

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 20040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
45 12.0N	127 15.5W	5/14/72	2013 GMT	2872M	290	3KT	2	060 2 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.45	32.48		24.758	319.8	0.000
10	9.85	32.49		25.043	292.8	0.031
20	9.29	32.49		25.133	284.2	0.060
30	9.10	32.51		25.179	279.8	0.088
50	8.81	32.51		25.224	275.6	0.143
75	8.09	32.83		25.582	241.5	0.208
100	8.10	33.29		25.940	207.4	0.265
125	7.57	33.65		26.299	173.3	0.313
150	7.42	33.81		26.446	159.3	0.355
200	6.92	33.90		26.586	146.0	0.433
250	6.22	33.97		26.734	132.0	0.504
300	5.75	34.00		26.817	124.1	0.569
400	5.00	34.06		26.953	111.2	0.691
500	4.56	34.09		27.026	104.3	0.804
600	4.29	34.22		27.158	91.7	0.907
700	4.13	34.27		27.215	86.4	1.002
800	3.86	34.31		27.274	80.7	1.092
1000	3.50	34.41		27.390	69.8	1.257

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 20040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
45 12.0N	127 15.5W	5/14/72	2149 GMT	2872M	290	3KT	2	060 2 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1	11.59	32.489		0.42	2.	0.04	1.3	321.6
11	10.94	32.493	7.61	0.43	3.	0.05	1.0	310.2
31	9.22	32.462	7.12	0.50	3.	0.07	2.0	285.2
56	8.69	32.484	6.92	0.59	4.	0.12	3.4	275.7
71	8.04	32.497	6.89	0.57	4.	0.10	3.2	265.6
86	7.78	32.572	6.59	0.82	7.	0.34	6.7	256.4
101	7.83	32.809	5.24	1.06	12.	0.04	11.1	239.5
131	7.60	33.423	4.37	1.58	27.	0.02	21.0	190.6
155	7.57	33.710	4.02	1.74	32.	0.02	23.9	168.8
180	7.29	33.847	3.63	1.89	38.	0.02	26.1	154.8
215	6.85	33.903	3.38	2.09	44.	0.02	28.8	144.9
279	5.97	33.950	2.21	2.54	61.	0.02	33.8	130.5
378	4.87	33.993	1.46	2.86	81.	0.00	39.8	114.8
478	4.67	34.091	0.94	3.05	95.	0.00	43.0	105.3
611	4.26	34.193	0.49	3.19	109.	0.00	45.4	93.4
765	3.92	34.295	0.33	3.29	123.	0.00	43.0	82.4
915	3.55	34.367	0.35	3.33	132.	0.00	42.4	73.5
1124	3.21	34.453	0.51	3.28	145.	0.00	43.5	63.9

Z	T	S	O2	SIGT	DT	DD
0	11.59	32.489		24.740	321.6	0.000
10	11.01	32.496		24.847	311.4	0.032
20	10.13	32.480	7.35	24.986	298.2	0.062
30	9.30	32.466	7.14	25.111	286.3	0.091
50	8.77	32.481	6.94	25.205	277.3	0.148
75	7.94	32.509	6.81	25.351	263.5	0.216
100	7.83	32.793	5.34	25.589	240.8	0.279
125	7.66	33.306	4.43	26.016	200.2	0.335
150	7.58	33.666	4.08	26.309	172.4	0.382
200	7.04	33.891	3.48	26.561	148.4	0.463
250	6.37	33.935	2.76	26.686	136.5	0.536
300	5.69	33.959	1.99	26.791	126.6	0.604
400	4.83	34.019	1.33	26.940	112.4	0.727
500	4.60	34.110	0.85	27.037	103.3	0.840
600	4.29	34.186	0.52	27.130	94.4	0.944
700	4.06	34.256	0.36	27.211	86.8	1.040
800	3.83	34.314	0.33	27.280	80.2	1.130
1000	3.39	34.405	0.40	27.396	69.2	1.294

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 20050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
44 49.0N	128 06.0W	5/15/72	0355 GMT	2862M	240	16KT	2	230 3 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.77	32.47		24.692	326.1	0.000
10	9.46	32.45		25.075	289.7	0.031
20	8.95	32.48		25.179	279.8	0.059
30	8.66	32.50		25.239	274.1	0.087
50	8.15	32.62		25.409	257.9	0.140
75	7.62	33.09		25.853	215.7	0.200
100	7.54	33.61		26.272	175.8	0.249
125	7.22	33.77		26.443	159.6	0.291
150	6.96	33.86		26.549	149.5	0.331
200	6.51	33.93		26.665	138.6	0.404
250	5.81	33.95		26.770	128.6	0.472
300	5.62	33.98		26.817	124.1	0.537
400	4.90	34.02		26.933	113.1	0.660
500	4.61	34.09		27.021	104.8	0.773
600	4.30	34.19		27.133	94.1	0.878
700	4.19	34.27		27.209	87.0	0.975
800	4.00	34.32		27.268	81.3	1.066
1000	3.50	34.41		27.390	69.8	1.232

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 20060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
44 30.0N	128 52.0W	5/15/72	0955 GMT	2825M	250	15KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	10.81	32.47		24.864	309.8	0.000
									10	9.95	32.52		25.049	292.1	0.030
									20	8.96	32.56		25.239	274.1	0.058
									30	8.53	32.56		25.305	267.8	0.086
									50	8.05	32.59		25.400	258.8	0.138
									75	7.70	32.66		25.505	248.8	0.202
									100	7.40	32.84		25.688	231.4	0.262
									125	7.51	33.31		26.041	197.8	0.316
									150	7.32	33.55		26.256	177.4	0.364
									200	6.95	33.84		26.535	150.9	0.447
									250	6.27	33.92		26.688	136.4	0.521
									300	5.72	33.93		26.765	129.0	0.589
									400	4.86	34.00		26.922	114.2	0.714
									500	4.37	34.04		27.007	106.1	0.829
									600	4.14	34.15		27.119	95.5	0.935
									700	3.97	34.22		27.192	88.5	1.033
									800	3.74	34.29		27.271	81.1	1.124
									1000	3.27	34.40		27.404	68.4	1.287

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 20070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
44 11.0N	129 43.0W	5/15/72	1556 GMT	2709M	260	17KT	1	260 6 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	10.92	32.55		24.907	305.7	0.000
									10	10.92	32.55		24.907	305.7	0.031
									20	9.45	32.55		25.154	282.2	0.060
									30	8.90	32.57		25.257	272.4	0.088
									50	8.49	32.60		25.343	264.2	0.142
									75	8.02	32.73		25.514	248.0	0.206
									100	7.55	32.81		25.644	235.6	0.267
									125	7.34	33.25		26.018	200.0	0.321
									150	7.30	33.53		26.243	178.6	0.369
									200	6.93	33.86		26.553	149.1	0.453
									250	6.34	33.90		26.663	138.7	0.526
									300	5.87	33.95		26.762	129.3	0.595
									400	5.27	34.02		26.890	117.2	0.722
									500	4.75	34.04		26.966	110.0	0.841
									600	4.40	34.15		27.091	98.1	0.950
									700	4.12	34.24		27.192	88.5	1.050
									800	3.83	34.30		27.270	81.2	1.141
									1000	3.34	34.40		27.397	69.1	1.306

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 20080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
43 51.0N	130 31.0W	5/15/72	2119 GMT	3312M	290	6KT	1	290 5 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	11.20	32.59		24.889	307.4	0.000
									10	10.73	32.59		24.971	299.6	0.030
									20	10.44	32.59		25.021	294.8	0.060
									30	9.50	32.71		25.271	271.0	0.088
									50	8.85	32.72		25.381	260.5	0.142
									75	8.43	32.78		25.492	250.0	0.206
									100	7.90	32.87		25.641	235.9	0.267
									125	7.35	33.16		25.946	206.8	0.323
									150	7.32	33.56		26.264	176.6	0.371
									200	6.99	33.87		26.553	149.2	0.454
									250	6.29	33.93		26.693	135.8	0.527
									300	5.78	33.91		26.742	131.2	0.595
									400	4.84	33.97		26.900	116.2	0.723
									500	4.24	34.02		27.005	106.3	0.839
									600	4.07	34.12		27.102	97.0	0.945
									700	3.95	34.21		27.186	89.1	1.044
									800	3.79	34.29		27.266	81.6	1.136
									1000	3.40	34.41		27.399	68.9	1.300

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 20080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
43 51.0N	130 31.0W	5/15/72	2239 GMT	3312M	290	6KT	1	290 5 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	11.25	32.602	6.77	0.52	0.	0.05	1.3	307.4	0	11.25	32.602	6.77	24.889	307.4	0.000
10	10.80	32.592	6.89	0.50	0.	0.06	1.2	300.6	10	10.80	32.592	6.89	24.961	300.6	0.030
30	9.50	32.696	7.03	0.53	0.	0.07	1.5	272.1	20	10.15	32.640	6.99	25.108	286.6	0.060
55	8.66	32.712	6.80	0.65	2.	0.16	3.2	258.4	30	9.50	32.696	7.03	25.260	272.1	0.088
70	8.37	32.731	6.64	0.68	2.	0.30	3.8	252.8	50	8.78	32.717	6.87	25.388	259.9	0.141
85	7.85	32.751	6.49	0.90	7.	0.11	7.8	244.0	75	8.18	32.735	6.59	25.492	250.0	0.205
100	7.91	32.867	6.28	0.95	9.	0.03	9.3	236.2	100	7.91	32.867	6.28	25.637	236.2	0.266
130	7.41	33.199	5.27	1.40	22.	0.02	17.0	204.7	125	7.51	33.137	5.47	25.904	210.8	0.323
154	7.33	33.551	4.31	1.73	31.	0.01	22.5	177.4	150	7.33	33.498	4.45	26.212	181.6	0.372
179	7.22	33.726	3.93	1.82	35.	0.01	22.6	162.9	200	7.03	33.823	3.68	26.509	153.3	0.457
214	6.87	33.864	3.52	1.98	41.	0.01	27.2	148.1	250	6.33	33.904	3.06	26.666	138.4	0.532
279	5.88	33.902	2.71	2.36	57.	0.01	32.3	133.0	300	5.65	33.912	2.51	26.758	129.7	0.600
377	5.00	33.942	1.93	2.77	73.	0.00	38.4	120.0	400	4.82	33.956	1.78	26.890	117.2	0.728
474	4.37	34.003	1.38	2.97	88.	0.00	42.2	108.9	500	4.29	34.025	1.25	27.003	106.5	0.844
606	4.10	34.114	0.80	3.11	104.	0.00	45.2	97.8	600	4.10	34.110	0.82	27.090	98.2	0.951
757	3.85	34.247	0.39	3.26	121.	0.00	46.0	85.4	700	3.94	34.198	0.51	27.177	90.0	1.051
905	3.61	34.361	0.30	3.30	130.	0.00	48.0U	74.5	800	3.78	34.284	0.36	27.261	82.0	1.143
1115	3.17	34.440	0.41	3.31	142.	0.00	52.3U	64.5	1000	3.43	34.409	0.35	27.396	69.2	1.309

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 20090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
43 30.0N	131 20.0W	5/16/72	0344 GMT	3481M	360	25KT	2	360 6 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.38	32.79		25.011	295.8	0.000
10	11.36	32.79		25.015	295.4	0.030
20	11.08	32.78		25.057	291.4	0.059
30	10.01	32.77		25.234	274.6	0.087
50	9.75	32.82		25.316	266.8	0.142
75	9.35	32.84		25.396	259.1	0.208
100	8.68	32.92		25.564	243.2	0.271
125	8.18	33.24		25.889	212.2	0.328
150	7.92	33.66		26.256	177.3	0.377
200	7.20	33.88		26.532	151.2	0.461
250	6.63	33.91		26.633	141.6	0.536
300	5.91	33.92		26.734	132.0	0.606
400	5.04	34.01		26.909	115.4	0.734
500	4.57	34.05		26.993	107.4	0.850
600	4.25	34.14		27.099	97.3	0.957
700	3.92	34.20		27.181	89.6	1.057
800	3.71	34.26		27.250	83.1	1.149
1000	3.29	34.39		27.394	69.4	1.316

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 20100

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
43 12.0N	132 06.0W	5/16/72	0937 GMT	3674M	010	21KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.55	32.78		24.972	299.4	0.000
10	11.55	32.78		24.972	299.4	0.030
20	11.55	32.78		24.972	299.4	0.060
30	10.30	32.72		25.146	282.9	0.089
50	9.72	32.74		25.258	272.2	0.145
75	9.40	32.78		25.341	264.3	0.212
100	8.95	32.80		25.428	256.1	0.278
125	8.63	32.87		25.532	246.2	0.341
150	8.13	33.24		25.897	211.5	0.399
200	7.70	33.85		26.437	160.1	0.493
250	6.93	33.90		26.585	146.2	0.571
300	6.23	33.93		26.701	135.1	0.644
400	5.41	33.99		26.850	121.0	0.776
500	4.90	34.05		26.957	110.9	0.897
600	4.50	34.13		27.064	100.6	1.008
700	4.25	34.20		27.147	92.8	1.111
800	4.01	34.29		27.243	83.7	1.206
1000	3.54	34.39		27.370	71.7	1.377

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 20120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
42 30.0N	133 42.0W	5/16/72	1920 GMT	3844M	010	19KT	2	010 5 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.31	32.88		25.094	287.9	0.000
10	11.31	32.88		25.094	287.9	0.029
20	11.02	32.95		25.200	277.8	0.057
30	10.95	33.00		25.251	272.9	0.085
50	10.37	33.01		25.360	262.6	0.138
75	9.56	33.00		25.487	250.5	0.203
100	8.90	33.06		25.639	236.0	0.264
125	8.95	33.34		25.850	216.0	0.321
150	8.00	33.46		26.088	193.3	0.373
200	8.10	33.90		26.417	162.0	0.463
250	7.37	33.92		26.539	150.5	0.543
300	6.56	33.90		26.634	141.4	0.618
400	5.31	33.92		26.806	125.1	0.756
500	4.35	33.96		26.946	111.9	0.879
600	3.98	34.06		27.064	100.7	0.990
700	3.85	34.15		27.148	92.7	1.092
800	3.66	34.26		27.255	82.6	1.186
1000	3.26	34.39		27.397	69.1	1.351

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 20120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
42 30.0N	133 42.0W	5/16/72	2045 GMT	3844M	010	19KT	2	010 5 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	11.20	32.879	6.80	0.35	0.	0.03	0.0	286.1
10	11.21	32.882	6.78	0.37	0.	0.04	0.0	286.1
30	10.56	32.898	6.96	0.50	0.	0.03	0.2	274.0
55	9.83	32.906	6.87	0.45	0.	0.11	0.9	261.7
70	9.43	32.852	6.96	0.48	0.	0.11	1.4	259.4
85	9.15	32.866	6.76	0.60	2.	0.39	2.8	254.2
100	8.84	32.904	6.58	0.71	4.	0.34	5.6	246.7
130	8.43	33.059	6.42	0.88	8.	0.04	9.2	229.3
154	8.06	33.365	6.29	1.07	14.	0.03	12.9	201.2
179	8.15	33.702	5.29	1.20	19.	0.01	16.1	177.4
214	7.99	33.913	4.95	1.38	27.	0.01	18.9	159.5
278	7.19	33.937	4.34	1.71	38.	0.01	23.9	146.8
378	5.66	33.915	2.92	2.31	60.	0.01	32.8	129.5
477	4.58	33.949	1.96	2.76	79.	0.00	38.6	115.1
611	3.98	34.073	1.28	3.06	103.	0.00	42.9	99.7
765	3.75	34.237	0.57	3.25	121.	0.00	45.1	85.2
916	3.45	34.336	0.34	3.27	138.	0.00	45.1	74.9
1126	3.15	34.435	0.44	3.28	141.	0.00	46.4	64.7

Z	T	S	O2	SIGT	DT	DD
0	11.20	32.879	6.80	25.112	286.1	0.000
10	11.21	32.882	6.78	25.113	286.1	0.029
20	10.94	32.892	6.87	25.167	280.9	0.057
30	10.56	32.898	6.96	25.240	274.0	0.085
50	9.97	32.912	6.89	25.349	263.6	0.139
75	9.33	32.854	6.91	25.408	258.0	0.204
100	8.84	32.904	6.58	25.526	246.7	0.268
125	8.90	32.980	6.44	25.576	242.0	0.329
150	8.12	33.344	6.31	25.978	203.8	0.386
200	8.09	33.859	5.01	26.386	164.9	0.479
250	7.59	33.935	4.62	26.520	152.3	0.560
300	6.84	33.932	4.03	26.621	142.7	0.636
400	5.38	33.919	2.67	26.797	126.0	0.775
500	4.43	33.968	1.82	26.943	112.2	0.899
600	4.00	34.062	1.32	27.062	100.8	1.010
700	3.82	34.171	0.84	27.168	90.9	1.112
800	3.68	34.264	0.48	27.256	82.5	1.205
1000	3.31	34.382	0.38	27.385	70.3	1.371

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 30026

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
43 52.0N	124 47.0W	5/10/72	0939 GMT	297M	350	11KT	0	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.31	29.40		22.400	545.2	0.000
10	10.50	30.74		23.575	432.8	0.049
20	9.12	32.20		24.934	303.2	0.086
30	8.86	32.32		25.068	290.4	0.115
50	8.58	32.43		25.196	278.2	0.172
75	8.06	32.69		25.633	236.6	0.237
100	8.12	33.37		26.000	201.7	0.292
125	7.98	33.69		26.271	175.9	0.340
150	7.47	33.86		26.478	156.3	0.382
200	6.90	33.95		26.628	142.0	0.458
250	6.38	34.00		26.737	131.7	0.528

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 30026

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
43 52.0N	124 47.0W	5/10/72	1018 GMT	297M	350	11KT	0	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1	11.30	29.402	6.65	0.20	7.	0.00	0.0	544.9
11	10.64	30.313	6.96	0.23	6.	0.00	0.0	466.6
31	8.79	32.387	6.65	0.66	6.	0.22	3.5	284.4
41	8.78	32.429	6.64	0.66	5.	0.12	3.3	281.1
56	8.48	32.401 U	6.56	0.71	7.	0.23	4.6	
70	8.27	32.635	6.11	0.93	11.	0.15	9.4	258.5
85	8.10	33.048	5.08	1.36	19.	0.02	16.3	225.4
105	8.17	33.555	3.77	1.87	33.	0.02	23.4	188.7
129	7.84	33.785	3.07	2.07	39.	0.02	28.0	166.9
154	7.41	33.901	2.79	2.25	44.	0.01	28.8	152.4

Z	T	S	O2	SIGT	DT	DD
0	11.30	29.402	6.65	22.403	544.9	0.000
10	10.71	30.222	6.94	23.135	474.8	0.051
20	9.70	31.391	6.87	24.209	372.3	0.093
30	8.86	32.314	6.68	25.060	291.1	0.127
50	8.62	32.441	6.59	25.197	278.1	0.184
75	8.20	32.766	5.80	25.513	248.0	0.250
100	8.15	33.446	4.06	26.053	196.7	0.306
125	7.91	33.767	3.14	26.339	169.4	0.352
150	7.48	33.892	2.80	26.500	154.2	0.393

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 30030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
43 46.5N	125 28.0W	5/10/72	0605 GMT	1479M	360	13KT	0	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	10.81	30.69		23.484	441.5	0.000
10	9.87	32.30		24.891	307.2	0.037
20	9.71	32.37		24.972	299.5	0.068
30	9.33	32.37		25.033	293.7	0.098
50	9.05	32.51		25.186	279.1	0.155
75	8.20	32.83		25.566	243.0	0.220
100	8.23	33.32		25.944	207.0	0.277
125	8.04	33.63		26.215	181.2	0.326
150	7.81	33.78		26.366	166.9	0.370
200	7.22	33.90		26.545	150.0	0.451
250	6.59	33.96		26.677	137.3	0.524
300	6.18	33.98		26.747	130.8	0.593
400	5.54	34.05		26.882	118.0	0.722
500	5.07	34.12		26.992	107.4	0.840
600	4.76	34.19		27.083	98.8	0.949
700	4.37	34.26		27.181	89.5	1.050
800	4.12	34.31		27.248	83.3	1.143
1000	3.67	34.41		27.373	71.4	1.313

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 30040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
43 27.0N	125 57.0W	5/10/72	0005 GMT	2974M	350	11KT	1	350 3 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.68	32.60		24.809	315.0	0.000
10	11.18	32.59		24.892	307.1	0.031
20	11.07	32.59		24.912	305.2	0.062
30	11.00	32.59		24.924	304.1	0.092
50	10.68	32.58		24.972	299.5	0.153
75	9.03	32.74		25.369	261.7	0.223
100	8.50	33.13		25.755	225.0	0.284
125	8.22	33.42		26.024	199.4	0.338
150	7.96	33.68		26.266	176.4	0.386
200	7.37	33.93		26.547	149.7	0.468
250	6.71	33.95		26.654	139.6	0.542
300	6.20	33.99		26.752	130.3	0.612
400	5.36	34.05		26.903	115.9	0.739
500	4.78	34.08		26.994	107.3	0.856
600	4.31	34.14		27.093	97.9	0.964
700	4.10	34.22		27.178	89.8	1.064
800	3.98	34.31		27.262	81.9	1.156
1000	3.57	34.42		27.391	69.7	1.323

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 30050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
43 07.5N	126 42.0W	5/ 9/72	1714 GMT	3335M	030	3KT	2	270 1 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	10.70	32.51		24.914	305.0	0.000
10	10.13	32.52		25.019	295.0	0.030
20	10.08	32.53		25.036	293.4	0.059
30	9.47	32.51		25.120	285.4	0.088
50	9.11	32.56		25.216	276.3	0.145
75	8.78	32.57		25.283	269.9	0.213
100	7.66	32.78		25.605	239.3	0.277
125	7.40	33.23		25.994	202.3	0.333
150	7.28	33.59		26.293	173.9	0.380
200	6.90	33.85		26.549	149.5	0.463
250	6.33	33.88		26.649	140.1	0.537
300	5.76	33.92		26.752	130.2	0.606
400	4.86	33.97		26.898	116.4	0.733
500	4.45	34.04		26.999	106.9	0.849
600	4.19	34.16		27.121	95.2	0.956
700	4.00	34.23		27.197	88.1	1.053
800	3.90	34.31		27.270	81.1	1.144
1000	3.44	34.42		27.403	68.5	1.308

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 30050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
43 07.5N	126 42.0W	5/ 9/72	1842 GMT	3335M	030	3KT	2	270 1 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	10.80	32.520	6.85	0.48	1.	0.05	1.0	305.9
10	10.36	32.519	6.79	0.47	1.	0.05	0.9	298.8
30	10.08	32.542	6.79	0.50	1.	0.05	0.8	292.6
56	9.18	32.550	6.81	0.56	2.	0.08	2.0	278.1
71	8.79	32.550	6.73	0.60	2.	0.10	2.5	272.3
86	8.17	32.634	6.48	0.82	6.	0.29	6.2	257.2
101	7.76	32.779	6.11	1.04	12.	0.09	10.6	240.7
131	7.43	33.314	4.83	1.56	26.	0.01	19.6	196.4
156	7.26	33.668	4.00	1.85	33.	0.01	25.1	167.8
181	7.09	33.802	3.61	1.98	40.	0.01	25.4	155.5
216	6.81	33.874	3.56	2.04	44.	0.00	28.2	146.5
281	6.22	33.899	2.79	2.35	54.	0.00	31.8	137.3
380	5.12	33.941	1.93	2.76	73.	0.00	39.0	121.4
480	4.51	34.022	1.34	3.04	91.	0.00	42.4	108.9
614	4.23	34.159	0.69	3.20	105.	0.00	45.3	95.7
768	3.96	34.221	0.49	3.26	113.	0.00	44.8	88.4
919	3.65	34.378	0.42	3.34	132.	0.00		73.6
1130	3.17	34.461	0.62	3.38	138.	0.00		63.0

Z	T	S	O2	SIGT	DT	DD
0	10.80	32.520	6.85	24.905	305.9	0.000
10	10.36	32.519	6.79	24.980	298.8	0.030
20	10.19	32.533	6.79	25.017	295.3	0.060
30	10.08	32.542	6.79	25.045	292.6	0.089
50	9.40	32.552	6.81	25.161	281.5	0.147
75	8.63	32.568	6.68	25.295	268.8	0.216
100	7.78	32.770	6.14	25.577	241.9	0.280
125	7.46	33.201	5.10	25.960	205.5	0.337
150	7.30	33.599	4.17	26.296	173.6	0.384
200	6.94	33.853	3.58	26.545	149.9	0.467
250	6.51	33.897	3.20	26.637	141.2	0.541
300	6.00	33.906	2.60	26.710	134.2	0.612
400	4.96	33.956	1.80	26.874	118.7	0.742
500	4.45	34.045	1.22	27.002	106.6	0.859
600	4.24	34.147	0.74	27.104	96.8	0.966
700	4.08	34.194	0.53	27.159	91.6	1.066
800	3.90	34.255	0.48	27.226	85.3	1.161
1000	3.47	34.429	0.46	27.407	68.1	1.329

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 30060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
42 47.5N	127 30.0W	5/ 9/72	1130 GMT	2690M	010	4KT	1	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	10.80	32.48		24.874	308.8	0.000
10	9.85	32.51		25.058	291.3	0.030
20	9.66	32.52		25.097	287.6	0.059
30	9.23	32.53		25.174	280.3	0.087
50	8.80	32.52		25.233	274.7	0.143
75	7.78	32.73		25.548	244.7	0.208
100	7.52	33.24		25.985	203.1	0.265
125	7.37	33.61		26.296	173.6	0.312
150	7.18	33.83		26.495	154.6	0.354
200	6.64	33.90		26.624	142.4	0.429
250	6.16	33.92		26.702	135.0	0.500
300	5.46	33.94		26.804	125.3	0.567
400	4.91	34.01		26.924	114.0	0.690
500	4.66	34.11		27.031	103.8	0.804
600	4.18	34.19		27.146	92.9	0.908
700	4.12	34.26		27.208	87.0	1.003
800	3.90	34.34		27.294	78.8	1.093
1000	3.45	34.44		27.418	67.1	1.254

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 30070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
42 27.0N	128 18.5W	5/ 9/72	0536 GMT	3088M	340	4KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	10.96	32.56		24.908	305.6	0.000
10	10.16	32.56		25.045	292.5	0.030
20	9.82	32.62		25.149	282.7	0.059
30	9.60	32.67		25.223	275.6	0.087
50	9.46	32.69		25.262	271.9	0.142
75	8.57	32.79		25.479	251.3	0.207
100	8.10	33.01		25.721	228.2	0.268
125	7.87	33.38		26.044	197.5	0.321
150	7.86	33.76		26.343	169.1	0.368
200	7.41	33.83		26.463	157.7	0.451
250	6.80	33.90		26.602	144.5	0.528
300	6.46	33.96		26.695	135.7	0.600
400	5.65	34.00		26.829	123.0	0.734
500	5.02	34.07		26.959	110.7	0.856
600	4.61	34.17		27.084	98.8	0.966
700	4.30	34.26		27.189	88.8	1.066
800	4.05	34.31		27.255	82.6	1.159
1000	3.57	34.42		27.391	69.7	1.326

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 30080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
42 08.0N	129 03.0W	5/ 9/72	0004 GMT	3164M	270	7KT	1	270 3 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.10	32.62		24.930	303.5	0.000
10	10.95	32.63		24.964	300.3	0.030
20	10.52	32.61		25.023	294.6	0.060
30	10.40	32.61		25.044	292.7	0.089
50	9.93	32.62		25.130	284.4	0.147
75	8.78	32.70		25.376	261.0	0.216
100	8.27	33.09		25.758	224.7	0.277
125	8.27	33.47		26.056	196.4	0.330
150	7.87	33.66		26.263	176.6	0.377
200	7.30	33.88		26.518	152.5	0.461
250	6.48	33.94		26.676	137.4	0.535
300	5.87	33.94		26.754	130.0	0.604
400	5.14	34.01		26.897	116.5	0.731
500	4.80	34.06		26.976	109.0	0.849
600	4.52	34.16		27.086	98.6	0.958
700	4.30	34.25		27.181	89.6	1.058
800	4.11	34.32		27.257	82.4	1.151
1000	3.60	34.42		27.388	70.0	1.319

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 30090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 48.0N	129 51.0W	5/ 8/72	0754 GMT	4493M	060	25KT	2	260 4 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1	11.30	32.760	6.52	0.45	1.	0.01	0.0	296.6
11	11.09	32.748	6.63	0.44	1.	0.00	0.0	293.9
31	10.20	32.725	6.79	0.42	1.	0.00	0.0	280.9
57	9.61	32.733	6.71	0.52	1.	0.04	1.0	271.0
72	9.05	32.774	6.52	0.66	3.	0.20	3.3	259.5
87	8.63	32.827	6.37	0.79	6.	0.24	5.9	249.4
102	8.32	32.932	6.10	0.95	10.	0.03	9.2	237.1
132	7.97	33.349	5.01	1.36	21.	0.00	16.9	201.2
157	7.74	33.642	4.05	1.67	29.	0.00	21.7	176.2
182	7.51	33.824	3.79	1.85	35.	0.00	24.9	159.5
217	7.05	33.928	3.56	1.98	41.	0.00	27.8	145.6
282	6.16	33.952	3.08	2.26	54.	0.00	30.9	132.6
381	5.08	33.966	2.20	3.10U	72.	0.00	37.6	119.1
481	4.49	34.037	1.51	2.99	90.	0.00	42.0	107.5
615	4.21	34.183	0.74	3.00	107.	0.00	44.8	93.7
770	3.95	34.313	0.44	3.16	122.	0.00	45.3	81.4
920	3.54	34.406	0.38	3.32	135.	0.00	43.3	70.5
1130	3.13	34.497	0.58	3.28	147.	0.00	45.4	59.9

Z	T	S	O2	SIGT	DT	DD
0	11.30	32.760	6.52	25.002	296.6	0.000
10	11.12	32.752	6.62	25.027	294.3	0.030
20	10.70	32.738	6.72	25.088	288.4	0.059
30	10.25	32.728	6.79	25.159	281.6	0.087
50	9.76	32.728	6.73	25.240	273.9	0.143
75	8.96	32.785	6.49	25.413	257.5	0.210
100	8.36	32.917	6.14	25.608	238.9	0.272
125	8.03	33.245	5.30	25.913	210.0	0.329
150	7.80	33.570	4.29	26.202	182.5	0.378
200	7.28	33.894	3.66	26.530	151.4	0.463
250	6.59	33.956	3.33	26.673	137.8	0.537
300	5.93	33.954	2.92	26.757	129.8	0.606
400	4.94	33.977	2.06	26.894	116.8	0.733
500	4.43	34.058	1.38	27.014	105.4	0.849
600	4.23	34.167	0.81	27.122	95.1	0.954
700	4.07	34.260	0.52	27.212	86.6	1.051
800	3.87	34.335	0.43	27.292	79.0	1.141
1000	3.36	34.447	0.42	27.432	65.8	1.300

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 30090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 48.0N	129 51.0W	5/ 8/72	0826 GMT	4493M	060	25KT	2	260 4 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.30	32.74		24.987	298.1	0.000
10	11.30	32.74		24.987	298.1	0.030
20	10.54	32.74		25.121	285.3	0.059
30	10.12	32.74		25.192	278.5	0.087
50	9.66	32.74		25.268	271.3	0.142
75	8.73	32.81		25.470	252.1	0.208
100	8.25	32.98		25.675	232.6	0.269
125	7.92	33.35		26.013	200.4	0.324
150	7.74	33.62		26.251	177.8	0.371
200	7.26	33.85		26.500	154.2	0.456
250	6.50	33.94		26.674	137.7	0.530
300	5.80	33.94		26.763	129.2	0.599
400	4.85	33.98		26.907	115.6	0.725
500	4.40	34.04		27.004	106.4	0.841
600	4.19	34.15		27.113	96.0	0.947
700	4.01	34.24		27.203	87.4	1.045
800	3.90	34.33		27.286	79.6	1.135
1000	3.37	34.43		27.418	67.1	1.296

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 40040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 43.0N	124 37.5W	5/ 6/72	1027 GMT	685M	340	5KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	8.91	32.63		25.302	268.1	0.000
10	8.91	32.63		25.302	268.1	0.027
20	8.75	32.80		25.459	253.1	0.053
30	8.65	32.96		25.599	239.8	0.078
50	8.45	33.17		25.794	221.3	0.124
75	8.26	33.66		26.206	182.1	0.175
100	8.09	33.79		26.333	170.1	0.219
125	7.86	33.86		26.422	161.6	0.261
150	7.43	33.91		26.523	152.0	0.301
200	6.88	34.02		26.686	136.6	0.374
250	6.56	34.04		26.744	131.0	0.443
300	6.27	34.07		26.806	125.1	0.509
400	5.66	34.09		26.899	116.3	0.634
500	5.09	34.15		27.014	105.4	0.750

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 40040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 43.0N	124 37.5W	5/ 6/72	1129 GMT	685M	340	5KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1	8.98	32.604	6.17	0.85	12.	0.19	7.8	271.1
11	8.83	32.733	5.92	1.03	15.	0.17	10.5	259.3
32	8.55	33.085	5.08	1.35	21.	0.07	15.6	229.0
42	8.44	33.210	4.79	1.41	22.	0.06	16.9	218.2
52	8.32	33.226	4.36	1.58	26.	0.02	19.8	215.3
67	8.32	33.615	3.80	1.79	30.	0.01	23.3	186.3
82	8.26	33.721	3.69	1.84	32.	0.01	24.3	177.6
103	7.98	33.829	3.30	2.03	36.	0.01	26.7	165.6
127	7.59	33.857	3.42	2.00	38.	0.01	26.8	158.1
148	7.40	33.883	3.19	2.02	41.	0.01	26.2	153.6
178	7.04	33.938	2.91	2.22	46.	0.01	29.3	144.7
208	6.89	33.980	2.43	2.46	62.	0.01	32.2	139.7
238	6.73	33.987	2.26	2.40	63.	0.01	31.4	137.1
278	6.53	34.029	2.02	2.52	59.	0.00	34.9	131.4
339	6.17	34.057	1.62	2.74	65.	0.00	37.6	124.9
414	5.66	34.062	1.41	2.79	73.	0.00	36.3	118.4
490	5.18	34.133	0.95	3.09	87.	0.00	40.7	107.7
571	4.80	34.203	0.65	3.18	97.	0.00	42.9	98.3

Z	T	S	SIGT	DT	DD
0	8.98	32.604	25.271	271.1	0.000
10	8.96	32.610	25.278	270.3	0.027
20	8.71	32.886	25.531	246.3	0.053
30	8.58	33.054	25.682	231.9	0.077
50	8.34	33.222	25.849	216.0	0.122
75	8.30	33.692	26.224	180.4	0.172
100	8.03	33.819	26.363	167.2	0.215
125	7.62	33.858	26.454	158.6	0.257
150	7.37	33.888	26.513	153.0	0.296
200	6.92	33.973	26.642	140.7	0.371
250	6.67	34.000	26.697	135.5	0.442
300	6.41	34.044	26.767	128.9	0.510
400	5.76	34.061	26.863	119.7	0.639
500	5.13	34.143	27.004	106.4	0.757

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 40050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 22.5N	125 24.0W	5/ 6/72	1704 GMT	3012M	210	6KT	2	210 2 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	SIGT	DT	DD
0	10.85	32.60	24.958	300.8	0.000
10	10.82	32.60	24.963	400.3	0.030
20	10.81	32.60	24.965	300.1	0.060
30	10.80	32.60	24.967	300.0	0.090
50	10.80	32.60	24.967	300.0	0.150
75	10.80	32.61	24.975	299.2	0.226
100	9.18	32.91	25.478	251.3	0.295
125	8.56	33.22	25.816	219.2	0.354
150	8.54	33.63	26.140	188.4	0.406
200	7.96	33.88	26.423	161.5	0.495
250	7.40	33.95	26.559	148.6	0.574
300	6.77	33.96	26.653	139.6	0.648
400	5.89	34.07	26.854	120.5	0.783
500	5.28	34.12	26.968	109.8	0.904
600	4.85	34.18	27.065	100.6	1.015
700	4.55	34.26	27.162	91.4	1.118
800	4.11	34.30	27.241	83.9	1.212
1000	3.77	34.42	27.371	71.6	1.384

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 40060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 02.5N	126 08.5W	5/ 6/72	2255 GMT	3069M	200	10KT	1	200 2 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	SIGT	DT	DD
0	11.20	32.53	24.842	311.9	0.000
10	11.20	32.53	24.842	311.9	0.031
20	10.73	32.53	24.925	304.0	0.062
30	10.71	32.53	24.928	303.7	0.092
50	10.68	32.53	24.933	303.2	0.153
75	10.63	32.53	24.942	302.3	0.229
100	8.97	33.14	25.690	231.1	0.296
125	8.55	33.58	26.099	192.3	0.350
150	8.38	33.72	26.234	179.4	0.397
200	7.65	33.93	26.507	153.5	0.482
250	7.20	34.01	26.634	141.5	0.557
300	6.85	34.03	26.698	135.4	0.628
400	5.87	34.12	26.896	116.6	0.759
500	5.37	34.13	26.965	110.0	0.878
600	5.02	34.21	27.069	100.1	0.989
700	4.67	34.29	27.172	90.4	1.092
800	4.32	34.34	27.250	83.0	1.186
1000	3.78	34.43	27.378	70.9	1.356

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 40070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
40 42.5N	126 56.0W	5/ 7/72	0504 GMT	3012M	260	12KT	5	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	SIGT	DT	DD
0	11.11	32.47	24.812	314.8	0.000
10	10.98	32.48	24.842	311.9	0.031
20	10.94	32.50	24.865	309.7	0.062
30	10.94	32.60	24.942	302.3	0.093
50	11.14	32.78	25.046	292.4	0.153
75	9.62	32.76	25.290	269.2	0.223
100	9.66	33.40	25.782	222.4	0.285
125	8.18	33.52	26.108	191.4	0.337
150	7.81	33.75	26.343	169.1	0.383
200	7.39	33.91	26.528	151.5	0.465
250	6.71	33.95	26.654	139.6	0.539
300	5.99	33.94	26.739	131.5	0.609
400	5.24	34.02	26.894	116.8	0.737
500	4.88	34.12	27.014	105.4	0.853
600	4.52	34.21	27.126	94.8	0.959
700	4.23	34.27	27.204	87.4	1.056
800	3.96	34.33	27.280	80.2	1.147
1000	3.51	34.43	27.405	68.4	1.310

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 40070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
40 42.5N	126 56.0W	5/ 7/72	0635 GMT	3012M	260	12KT	5	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	11.10	32.477	6.48	0.38	3.	0.01	0.0	314.1	0	11.10	32.477	6.48	24.819	314.1	0.000
11	11.09	32.470	6.66	0.37	3.	0.02	0.0	314.4	10	11.09	32.474	6.65	24.815	314.4	0.031
31	10.94	32.478	6.57	0.37	3.	0.02	0.0	311.3	20	11.01	32.474	6.62	24.830	313.0	0.063
56	10.79	32.762	6.45	0.47	3.	0.02	0.7	287.8	30	10.95	32.480	6.57	24.846	311.5	0.094
71	9.98	32.708	6.36	0.61	4.	0.16	2.9	278.7	50	11.15	32.760	6.48	25.029	294.0	0.155
86	9.98	33.167	5.73	0.97	11.	0.09	10.1	244.7	75	9.70	32.778	6.22	25.291	269.1	0.226
101	9.65	33.417	4.97	1.36	17.	0.03	15.6	221.0	100	9.69	33.410	5.02	25.783	222.3	0.287
131	8.16	33.510	4.68	1.48	24.	0.03	19.2	191.9	125	8.45	33.506	4.71	26.054	196.5	0.340
156	7.88	33.733	3.80	1.81	33.	0.02	24.2	171.4	150	7.91	33.680	4.01	26.272	175.8	0.387
181	7.53	33.861	3.57	1.96	38.	0.02	25.9	157.0	200	7.30	33.912	3.17	26.541	150.3	0.470
216	7.11	33.932	2.82	2.27	47.	0.01	29.8	146.1	250	6.52	33.935	2.60	26.666	138.4	0.544
280	6.02	33.924	2.54	2.48	58.	0.01	34.0	133.0	300	5.86	33.940	2.35	26.755	130.0	0.613
378	5.50	34.019	1.54	2.87	72.	0.01	38.5	119.8	400	5.38	34.042	1.37	26.894	116.8	0.741
476	4.99	34.111	0.90	3.09	86.	0.01	41.2	107.3	500	4.89	34.131	0.81	27.020	104.8	0.857
608	4.54	34.204	0.60	3.23	103.	0.00	42.6	95.5	600	4.56	34.200	0.61	27.112	96.1	0.963
762	4.13	34.296	0.49	3.30	117.	0.00	44.4	84.4	700	4.29	34.261	0.51	27.191	88.6	1.061
910	3.74	34.378	0.51	3.35	132.	0.00	44.6	74.4	800	4.03	34.319	0.50	27.264	81.7	1.153
1121	3.29	34.458	0.67	3.31	134.	0.00	44.6	64.3	1000	3.53	34.418	0.56	27.392	69.5	1.320

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 40080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
40 23.0N	127 40.0W	5/ 7/72	1133 GMT	1378M	260	12KT	1	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	11.00	32.60		24.932	303.3	0.000
									10	11.00	32.60		24.932	303.3	0.030
									20	11.03	32.60		24.926	303.8	0.061
									30	11.03	32.60		24.926	303.8	0.091
									50	10.94	32.62		24.958	300.8	0.152
									75	10.78	32.61		24.978	298.9	0.227
									100	8.63	33.14		25.743	226.1	0.293
									125	8.22	33.57		26.141	188.3	0.345
									150	7.95	33.74		26.314	171.8	0.391
									200	7.32	33.90		26.531	151.3	0.473
									250	6.90	33.94		26.620	142.8	0.548
									300	6.31	33.99		26.738	131.6	0.619
									400	5.43	34.05		26.895	116.7	0.748
									500	4.84	34.12		27.019	105.0	0.863
									600	4.58	34.19		27.103	97.0	0.970
									700	4.25	34.27		27.202	87.6	1.069
									800	4.03	34.34		27.281	80.1	1.159
									1000	3.44	34.44		27.419	67.0	1.321

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 40090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
40 02.5N	128 25.0W	5/ 7/72	1752 GMT	4341M	290	24KT	1	260 8 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	11.47	32.89		25.072	289.9	0.000
									10	11.47	32.89		25.072	289.9	0.029
									20	11.47	32.90		25.080	289.2	0.058
									30	11.48	32.90		25.078	289.4	0.087
									50	10.98	32.87		25.145	283.0	0.144
									75	10.27	32.90		25.291	269.1	0.214
									100	9.74	32.90		25.380	260.7	0.280
									125	9.21	32.97		25.520	247.3	0.344
									150	8.52	33.18		25.791	221.6	0.404
									200	7.74	33.86		26.439	160.0	0.500
									250	7.36	33.92		26.541	150.3	0.580
									300	7.16	33.95		26.592	145.4	0.656
									400	6.56	34.01		26.721	133.2	0.800
									500	5.71	34.05		26.861	119.9	0.933
									600	5.02	34.10		26.982	108.4	1.053
									700	4.61	34.18		27.092	98.0	1.163
									800	4.17	34.27		27.211	86.8	1.263
									1000	3.61	34.41		27.379	70.8	1.436

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 50050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
39 40.0N	124 07.5W	5/ 5/72	1623 GMT	914M	340	21KT	1	330 3 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	9.12	33.34		25.823	218.5	0.000
									10	9.13	33.34		25.821	218.7	0.022
									20	9.10	33.34		25.826	218.2	0.044
									30	8.77	33.58		26.065	195.5	0.064
									50	8.53	33.87		26.329	170.4	0.101
									75	7.94	33.87		26.418	162.0	0.143
									100	7.72	33.95		26.513	153.0	0.183
									125	7.48	33.99		26.578	146.7	0.221
									150	7.16	34.04		26.663	138.7	0.257
									200	6.81	34.06		26.727	132.7	0.326
									250	6.42	34.11		26.818	124.0	0.392
									300	5.88	34.13		26.903	115.9	0.454
									400	5.63	34.18		26.973	109.3	0.571
									500	5.08	34.25		27.094	97.8	0.680
									600	5.00	34.34		27.175	90.2	0.780
									700	4.65	34.40		27.262	81.9	0.873
									800	4.36	34.44		27.325	75.9	0.959

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 50050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
39 40.0N	124 07.5W	5/ 5/72	1747 GMT	914M	340	21KT	1	330 3 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	9.21	33.366	5.93	1.33	21.	0.14	16.4	218.0	0	9.21	33.366	5.93	25.829	218.0	0.000
11	9.14	33.371	5.93	1.35	22.	0.13	16.2	216.5	10	9.15	33.373	5.93	25.842	216.7	0.022
31	8.85	33.617	4.87	1.61	27.	0.10	20.5	193.9	20	9.01	33.467	5.55	25.937	207.6	0.043
56	8.77	33.867	3.32	1.89	30.	0.02	24.2	174.2	30	8.86	33.603	4.94	26.067	195.3	0.063
71	8.46	33.835	3.60	1.82	30.	0.03	23.1	172.0	50	8.80	33.829	3.59	26.254	177.6	0.101
86	7.98	33.881	3.57	1.88	35.	0.02	25.0	161.7	75	8.32	33.846	3.59	26.341	169.3	0.144
101	7.94	33.907	3.14	2.03	37.	0.00	26.9	159.2	100	7.94	33.908	3.17	26.446	159.3	0.186
131	7.73	33.972	2.85	2.12	41.	0.00	28.0	151.5	125	7.78	33.960	2.87	26.510	153.2	0.225
156	7.44	34.018	2.68	2.23	44.	0.00	29.0	144.1	150	7.52	34.009	2.72	26.587	145.9	0.263
181	7.07	34.045	2.40	2.36	50.	0.00	30.6	137.2	200	6.85	34.044	2.36	26.708	134.4	0.335
215	6.69	34.037	2.35	2.42	54.	0.00	30.7U	132.8	250	6.36	34.055	2.04	26.781	127.5	0.402
280	6.13	34.077	1.72	2.71	63.	0.00	36.8	122.9	300	6.01	34.089	1.59	26.854	120.6	0.466
378	5.63	34.138	1.18	2.97	75.	0.00	39.7	112.4	400	5.53	34.159	1.04	26.968	109.8	0.585
478	5.23	34.231	0.63	3.09	87.	0.00	40.4	100.9	500	5.17	34.252	0.57	27.084	98.7	0.695
612	4.92	34.341	0.43	3.26	99.	0.01	41.8	89.2	600	4.95	34.333	0.43	27.175	90.1	0.795
768	4.40	34.402	0.42	3.26	111.	0.01	42.7	79.2	700	4.65	34.385	0.42	27.249	83.1	0.889

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 50060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
39 20.0N	124 49.0W	5/ 5/72	1003 GMT	2785M	340	23KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	11.10	32.76		25.038	293.2	0.000
									10	11.10	32.76		25.038	293.2	0.029
									20	11.11	32.77		25.044	292.6	0.059
									30	11.15	32.78		25.045	292.6	0.088
									50	11.29	32.85		25.074	289.8	0.146
									75	10.06	33.15		25.521	247.2	0.214
									100	9.77	33.38		25.748	225.6	0.273
									125	9.24	33.54		25.959	205.5	0.328
									150	8.96	33.75		26.168	185.7	0.377
									200	8.26	33.94		26.425	161.3	0.466
									250	7.76	34.06		26.593	145.4	0.544
									300	7.08	34.08		26.705	134.7	0.616
									400	5.77	34.08		26.877	118.4	0.748
									500	5.65	34.18		26.971	109.5	0.867
									600	4.90	34.25		27.115	95.8	0.976
									700	4.45	34.31		27.212	86.6	1.074
									800	4.26	34.36		27.272	80.9	1.165
									1000	3.70	34.47		27.418	67.1	1.329

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 50070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
39 00.0N	125 36.0W	5/ 5/72	0321 GMT	3712M	350	18KT	2	350 11 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	11.28	32.77		25.014	295.5	0.000
									10	11.29	32.77		25.012	295.7	0.030
									20	11.29	32.77		25.012	295.7	0.059
									30	11.29	32.77		25.012	295.7	0.089
									50	11.19	32.78		25.038	293.2	0.148
									75	10.71	32.88		25.200	277.8	0.220
									100	9.92	33.29		25.653	234.6	0.284
									125	9.16	33.53		25.965	205.0	0.340
									150	8.78	33.80		26.235	179.3	0.388
									200	8.30	33.98		26.450	158.9	0.474
									250	7.83	34.04		26.567	147.8	0.553
									300	7.04	34.09		26.719	133.4	0.625
									400	6.41	34.16		26.859	120.1	0.757
									500	5.75	34.22		26.990	107.7	0.877
									600	5.07	34.25		27.095	97.7	0.986
									700	4.63	34.30		27.185	89.2	1.087
									800	4.31	34.39		27.291	79.1	1.179
									1000	3.73	34.46		27.407	68.2	1.342

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 50080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
38 40.5N	126 19.0W	5/ 4/72	2030 GMT	4207M	350	21KT	2	360 11 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	11.77	32.89		25.017	295.2	0.000
									10	11.77	32.89		25.017	295.2	0.030
									20	11.77	32.89		25.017	295.2	0.059
									30	11.77	32.91		25.033	293.7	0.089
									50	11.74	32.91		25.038	293.2	0.147
									75	11.57	32.93		25.085	288.7	0.221
									100	10.19	33.18		25.522	247.1	0.288
									125	8.92	33.37		25.878	213.3	0.346
									150	8.82	33.70		26.151	187.3	0.397
									200	8.15	33.94		26.441	159.8	0.485
									250	7.27	34.01		26.624	142.4	0.562
									300	6.65	34.01		26.709	134.3	0.634
									400	5.65	34.06		26.876	118.5	0.765
									500	5.25	34.18		27.019	104.9	0.882
									600	4.87	34.26		27.126	94.8	0.988
									700	4.60	34.35		27.228	85.1	1.085
									800	4.52	34.43		27.300	78.3	1.174
									1000	3.77	34.48		27.418	67.0	1.336

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 50080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
38 40.5N	126 19.0W	5/ 4/72	2153 GMT	4207M	350	21KT	2	360 11 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	11.90	32.865		0.36	4.	0.01	0.1	299.3	0	11.90	32.865		24.974	299.3	0.000
11	11.90	32.874	6.39	0.33	4.	0.01	0.1	298.6	10	11.90	32.875		24.980	298.7	0.030
31	11.83	32.907	6.35	0.36	4.	0.03	0.2	295.0	20	11.88	32.892	6.36	24.997	297.1	0.060
56	11.71	32.918	6.38	0.37	5.	0.03	0.3	292.1	30	11.83	32.908	6.35	25.017	295.2	0.089
71	11.70	32.913	6.32	0.36	5.	0.04	0.3	292.2	50	11.73	32.921	6.38	25.045	292.5	0.148
86	11.38	32.978	6.24	0.46	6.	0.14	1.6	281.9	75	11.65	32.920	6.30	25.060	291.1	0.222
101	10.63	33.250	5.81	0.79	8.	0.03	7.3	249.1	100	10.69	33.233	5.84	25.476	251.5	0.290
131	9.01	33.38	5.04	1.27	16.	0.02	15.1	213.9	125	9.28	33.364	5.22	25.815	219.3	0.349
156	8.81	33.723	3.77	1.73	26.	0.00	22.0	185.5	150	8.86	33.650	4.06	26.105	191.7	0.401
181	8.45	33.868	3.43	1.89	31.	0.00	24.5	169.4	200	8.20	33.934	3.27	26.428	161.0	0.491
216	7.99	33.968	3.17	2.03	36.	0.00	26.5	155.4	250	7.43	34.004	2.96	26.596	145.1	0.569
281	6.91	34.012	2.76	2.26	49.	0.00	30.4	137.5	300	6.64	34.019	2.58	26.716	133.7	0.641
381	5.76	34.051	1.77	2.73	68.	0.00	37.5	120.4	400	5.64	34.071	1.61	26.885	117.6	0.771
481	5.28	34.158	1.03	3.02	83.	0.00	40.2	106.9	500	5.20	34.175	0.93	27.021	104.8	0.888
617	4.78	34.270	0.55	3.24	99.	0.00	43.6	93.1	600	4.83	34.257	0.58	27.128	94.6	0.994
772	4.55	34.417	0.45	3.31	108.	0.00	44.6	79.6	700	4.66	34.356	0.50	27.225	85.4	1.091
922	3.95	34.452	0.46	3.34	124.	0.00	45.1	70.9	800	4.45	34.428	0.45	27.306	77.7	1.180
1132	3.41	34.513	0.68	3.27	137.	0.00	45.8	61.2	1000	3.71	34.474	0.51	27.419	67.0	1.341

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 50090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
38 20.0N	127 04.0W	5/ 4/72	1408 GMT	4493M	010	25KT	2	010 10 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	11.25	32.79		25.035	293.5	0.000
									10	11.25	32.79		25.035	293.5	0.029
									20	11.25	32.79		25.035	293.5	0.059
									30	11.25	32.79		25.035	293.5	0.088
									50	11.20	32.80		25.051	291.9	0.147
									75	10.98	32.93		25.191	278.6	0.219
									100	9.94	33.22		25.596	240.1	0.284
									125	9.01	33.51		25.973	204.3	0.340
									150	8.82	33.71		26.159	186.6	0.389
									200	8.14	33.95		26.451	158.9	0.477
									250	7.42	33.98		26.579	146.7	0.556
									300	6.78	33.99		26.676	137.5	0.629
									400	5.56	34.07		26.895	116.7	0.760
									500	5.20	34.17		27.017	105.1	0.877
									600	4.95	34.27		27.125	94.9	0.983
									700	4.41	34.31		27.217	86.2	1.080
									800	4.23	34.42		27.323	76.1	1.168
									1000	3.64	34.49		27.440	65.1	1.326

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 50100

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
38 00.0N	127 50.0W	5/ 4/72	0654 GMT	4493M	010	17KT	0	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	11.85	32.89		25.002	296.6	0.000
									10	11.85	32.89		25.002	296.6	0.030
									20	11.85	32.89		25.002	296.6	0.059
									30	11.86	32.89		25.000	296.8	0.089
									50	11.76	32.89		25.019	295.0	0.148
									75	11.73	32.89		25.025	294.5	0.222
									100	10.46	32.89		25.251	272.9	0.294
									125	9.90	32.94		25.384	260.2	0.361
									150	9.04	33.25		25.765	224.0	0.422
									200	8.54	33.81		26.280	175.0	0.524
									250	7.98	33.96		26.482	155.9	0.608
									300	7.23	34.03		26.645	140.4	0.685
									400	6.06	34.06		26.825	123.3	0.821
									500	5.32	34.14		26.979	108.7	0.943
									600	4.92	34.24		27.105	96.8	1.052
									700	4.66	34.33		27.205	87.3	1.151
									800	4.23	34.38		27.292	79.1	1.242
									1000	3.58	34.45		27.414	67.5	1.404

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 50120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
37 20.0N	129 18.0W	5/ 3/72	1910 GMT	4787M	020	20KT	1	020 8 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.50	32.86		24.856	310.5	0.000
									10	12.48	32.92		24.907	305.7	0.031
									20	12.45	32.92		24.912	305.2	0.061
									30	12.05	32.88		24.957	300.9	0.092
									50	11.41	32.78		24.998	297.0	0.152
									75	10.33	32.88		25.265	271.6	0.223
									100	9.45	33.12		25.598	239.9	0.287
									125	9.07	33.31		25.807	220.0	0.345
									150	8.66	33.56		26.067	195.4	0.398
									200	8.15	33.89		26.402	163.5	0.489
									250	7.47	34.00		26.588	145.8	0.568
									300	6.84	34.03		26.699	135.3	0.641
									400	5.87	34.08		26.865	119.6	0.773
									500	5.22	34.12		26.975	109.1	0.893
									600	4.87	34.22		27.094	97.8	1.002
									700	4.40	34.29		27.202	87.6	1.102
									800	4.02	34.36		27.298	78.5	1.192
									1000	3.63	34.48		27.433	65.7	1.351

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 50120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
37 20.0N	129 18.0W	5/ 3/72	2052 GMT	4787M	020	20KT	1	020 8 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	12.69	32.904	6.24	0.32	2.	0.02	0.0	310.7	0	12.69	32.904	6.24	24.854	310.7	0.000
11	12.64	32.907	6.22	0.33	2.	0.02	0.0	309.6	10	12.65	32.908	6.22	24.864	309.8	0.031
31	12.51	32.968	6.21	0.32	2.	0.02	0.0	302.7	20	12.58	32.931	6.22	24.894	306.9	0.062
55	11.43	32.838	6.43	0.35	2.	0.00	0.0	293.1	30	12.52	32.966	6.21	24.933	303.1	0.092
70	11.31	32.850	6.43	0.36	2.	0.02	0.1	290.1	50	11.65	32.868	6.38	25.020	294.9	0.152
86	10.65	32.945	6.31	0.48	3.	0.00	2.3	272.0	75	11.15	32.880	6.39	25.121	285.3	0.225
100	9.88	32.994	5.83	0.65	5.	0.00	5.1	255.9	100	9.88	32.994	5.83	25.430	255.9	0.293
129	9.14	33.238	5.47	1.03	12.	0.00	12.0	226.4	125	9.20	33.199	5.51	25.699	230.3	0.355
154	8.83	33.521	4.70	1.37	20.	0.00	17.1	200.8	150	8.87	33.478	4.84	25.969	204.7	0.410
179	8.59	33.743	4.00	1.67	26.	0.00	22.4	180.7	200	8.30	33.893	3.82	26.381	165.5	0.504
213	8.10	33.959	3.77	1.80	32.	0.00	25.2	157.6	250	7.56	34.010	3.37	26.583	146.3	0.584
277	7.19	34.017	3.04	2.15	44.	0.00	30.0	140.8	300	6.90	34.029	2.76	26.689	136.3	0.656
375	6.10	34.074	1.94	2.66	64.	0.00	37.3	122.8	400	5.87	34.090	1.72	26.872	118.9	0.789
473	5.29	34.135	1.22	2.90	80.	0.00	41.4	108.8	500	5.12	34.154	1.13	27.012	105.6	0.906
606	4.62	34.227	0.91	3.17	101.	0.00	45.7	94.6	600	4.64	34.224	0.92	27.122	95.1	1.013
758	4.18	34.348	0.57	3.27	114.	0.00	45.7	81.0	700	4.33	34.304	0.68	27.220	85.9	1.110
908	3.71	34.435	0.59	3.28	121.	0.00	46.2	69.9	800	4.05	34.376	0.58	27.307	77.6	1.198
1118	3.22	34.513	0.73	3.22	143.	0.02	45.0	59.5	1000	3.47	34.476	0.64	27.445	64.6	1.356

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 60060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
37 36.5N	123 37.0W	4/24/72	0924 GMT	3248M	310	8KT	1	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	10.99	32.74		25.042	292.8	0.000
									10	10.91	32.74		25.056	291.5	0.029
									20	10.94	32.87		25.152	282.4	0.058
									30	10.96	33.01		25.257	272.4	0.086
									50	9.78	33.30		25.685	231.7	0.136
									75	9.32	33.52		25.931	208.2	0.192
									100	9.18	33.76		26.141	188.3	0.242
									125	8.79	33.84		26.265	176.5	0.288
									150	8.23	33.94		26.429	160.9	0.330
									200	7.86	34.02		26.547	149.7	0.410
									250	7.40	34.07		26.653	139.7	0.484
									300	6.87	34.09		26.742	131.2	0.554
									400	6.00	34.15		26.904	115.9	0.682
									500	5.79	34.20		26.969	109.6	0.801
									600	5.37	34.26		27.068	100.3	0.912
									700	4.91	34.32		27.169	90.7	1.015
									800	4.53	34.39		27.267	81.4	1.109
									1000	3.97	34.46		27.382	70.5	1.278
									1200	3.43	34.52		27.484	60.9	1.428

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 60060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
37 36.5N	123 37.0W	4/24/72	1032 GMT	3248M	310	8KT	1	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	11.03	32.789	6.75	0.38	1.	0.05	0.1	289.9	0	11.03	32.789	6.75	25.073	289.9	0.000
11	11.02	32.791	6.83	0.37	1.	0.03	0.2	289.5	10	11.02	32.793	6.82	25.076	289.6	0.029
32	11.04	33.071	6.31	0.59	7.	0.15	4.0	269.2	20	11.03	32.882	6.65	25.143	283.2	0.058
57	9.79	33.326	5.94	1.20	16.	0.16	13.0	229.9	30	11.04	33.036	6.38	25.261	272.0	0.085
72	9.38	33.412	5.09	1.37	17.	0.05	15.9	217.2	50	10.17	33.267	6.10	25.591	240.6	0.137
87	9.37	33.616	4.26	1.62	21.	0.03	19.7	201.9	75	9.38	33.456	4.91	25.870	214.0	0.194
103	9.21	33.747	3.65	1.77	24.	0.00	22.9	189.7	100	9.25	33.729	3.74	26.104	191.8	0.245
133	8.63	33.895	3.23	1.98	31.	0.00	25.7	170.0	125	8.80	33.868	3.28	26.285	174.6	0.291
158	8.23	33.938	3.14	2.03	35.	0.00	26.6	161.0	150	8.34	33.928	3.17	26.402	163.5	0.334
183	8.03	34.009	2.75	2.17	39.	0.00	27.8	152.9	200	7.95	34.034	2.61	26.543	150.0	0.414
218	7.87	34.048	2.51	2.31	42.	0.00	29.5	147.8	250	7.52	34.069	2.30	26.633	141.5	0.489
284	7.09	34.083	2.08	2.57	53.	0.00	33.8	134.6	300	6.91	34.091	1.96	26.736	131.8	0.559
383	6.18	34.134	1.37	2.77	66.	0.00	38.1	119.2	400	6.10	34.149	1.27	26.889	117.3	0.689
483	5.84	34.216	0.87	3.00	78.	0.00	39.2	109.0	500	5.77	34.227	0.83	26.993	107.4	0.807
617	5.26	34.290	0.69	3.27	89.	0.00	40.7	96.8	600	5.34	34.283	0.70	27.089	98.3	0.917
773	4.67	34.374	0.53	3.32	105.	0.00	40.7	84.1	700	4.94	34.338	0.58	27.179	89.7	1.018
922	4.15	34.419	0.74	3.31	119.	0.00	42.3	75.4	800	4.57	34.384	0.56	27.257	82.3	1.112
1132	3.63	34.487	0.62	3.29	127.	0.00	44.0	65.2	1000	3.93	34.445	0.77	27.374	71.3	1.283

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 60070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
37 17.0N	124 21.0W	4/24/72	1654 GMT	4015M	300	10KT		290 4 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	11.37	32.85		25.059	291.2	0.000
									10	11.28	32.84		25.068	290.3	0.029
									20	11.22	32.83		25.071	290.1	0.058
									30	11.17	32.82		25.072	289.9	0.087
									50	10.96	32.83		25.117	285.7	0.145
									75	10.05	32.94		25.359	262.6	0.214
									100	9.40	33.46		25.871	213.9	0.274
									125	9.30	33.65		26.036	198.3	0.326
									150	9.05	33.81		26.201	182.6	0.374
									200	8.26	34.01		26.479	156.1	0.460
									250	7.12	34.11		26.723	133.0	0.534
									300	6.40	34.06		26.781	127.5	0.602
									400	5.83	34.16		26.933	113.1	0.727
									500	5.20	34.16		27.009	105.9	0.841
									600	4.76	34.24		27.123	95.1	0.948
									700	4.70	34.35		27.217	86.2	1.045
									800	4.39	34.38		27.274	80.7	1.137
									1000	3.80	34.45		27.392	69.6	1.303

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 60080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
36 56.5N	125 03.5W	4/24/72	2229 GMT	4207M	330	17KT	1	300 4 12

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.67	33.12		25.024	294.5	0.000
									10	12.65	33.12		25.028	294.1	0.029
									20	12.49	33.11		25.051	291.9	0.059
									30	12.40	33.12		25.077	289.5	0.088
									50	12.25	33.14		25.121	285.3	0.146
									75	10.28	33.25		25.562	243.4	0.212
									100	9.85	33.53		25.852	215.7	0.270
									125	9.11	33.74		26.136	188.7	0.321
									150	8.76	33.81		26.246	178.3	0.367
									200	8.01	33.91		26.439	160.0	0.454
									250	7.27	33.95		26.577	146.9	0.532
									300	6.73	34.00		26.690	136.1	0.605
									400	5.64	34.00		26.830	122.9	0.739
									500	5.09	34.06		26.943	112.2	0.862
									600	4.68	34.17		27.076	99.5	0.973
									700	4.37	34.23		27.158	91.8	1.076
									800	4.12	34.32		27.256	82.5	1.170
									1000	3.68	34.42		27.380	70.7	1.339

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 60090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
36 36.0N	125 48.0W	4/25/72	0343 GMT	4455M	340	14KT	1	330 4 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.45	32.87		24.874	308.8	0.000
									10	12.47	32.87		24.870	309.2	0.031
									20	12.40	32.86		24.876	308.7	0.062
									30	12.13	32.87		24.934	303.0	0.092
									50	12.01	32.86		24.949	301.6	0.153
									75	9.65	33.11		25.558	243.7	0.222
									100	8.57	33.38		25.940	207.4	0.278
									125	8.75	33.69		26.154	187.0	0.328
									150	7.91	33.81		26.375	166.0	0.373
									200	7.46	33.98		26.573	147.2	0.453
									250	7.18	33.99		26.621	142.7	0.527
									300	6.50	34.01		26.729	132.5	0.598
									400	5.70	34.05		26.862	119.8	0.728
									500	5.25	34.12		26.971	109.4	0.848
									600	4.86	34.21		27.088	98.4	0.958
									700	4.47	34.29		27.194	88.3	1.059
									800	4.22	34.34		27.261	82.0	1.151
									1000	3.58	34.44		27.406	68.3	1.317

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 60090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
36 36.0N	125 48.0W	4/25/72	0501 GMT	4455M	340	14KT	1	330 4 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	12.48	32.874	6.26	0.36	4.	0.03	0.0	309.1	0	12.48	32.874	6.26	24.871	309.1	0.000
11	12.48	32.875	6.35	0.35	4.	0.04	0.0	309.0	10	12.48	32.878	6.34	24.872	309.0	0.031
31	12.14	32.877	6.38	0.34	3.	0.03	0.1	302.7	20	12.33	32.878	6.36	24.902	306.2	0.062
57	9.90	32.955	6.17	0.71	6.	0.14	5.4	259.1	30	12.16	32.880	6.38	24.935	303.0	0.092
72	9.80	33.151	5.96	0.98	9.	0.05	9.9	243.0	50	10.47	32.910	6.25	25.262	271.8	0.150
87	8.80	33.158	5.53	1.15	14.	0.04	12.6	227.3	75	9.60	33.151	5.89	25.597	240.0	0.214
102	8.79	33.419	4.93	1.42	19.	0.00	17.5	207.7	100	8.79	33.387	5.01	25.909	210.3	0.271
133	8.71	33.722	3.82	1.71	27.	0.00	23.0	184.1	125	8.73	33.660	4.05	26.132	189.1	0.321
158	7.88	33.817	3.67	1.88	34.	0.00	25.7	165.1	150	8.14	33.792	3.71	26.326	170.7	0.367
183	7.85	33.954	2.99	2.03	38.	0.01	26.8	154.5	200	7.61	33.954	3.03	26.532	151.2	0.449
218	7.29	33.954	3.07	2.12	43.	0.00	28.8	146.9	250	6.88	33.975	2.74	26.650	140.0	0.523
283	6.56	34.003	2.27	2.48	55.	0.00	33.1	133.7	300	6.41	34.018	2.08	26.746	130.9	0.593
383	5.85	34.086	1.30	2.86	70.	0.00	38.9	118.9	400	5.76	34.100	1.19	26.893	116.8	0.721
483	5.37	34.159	0.79	3.10	82.	0.00	40.5	107.9	500	5.30	34.172	0.72	27.006	106.1	0.838
618	4.84	34.256	0.41	3.22	97.	0.00	42.7	94.7	600	4.91	34.244	0.44	27.109	96.4	0.946
772	4.29	34.362	0.41	3.25	113.	0.00	42.8	81.1	700	4.54	34.316	0.41	27.207	87.1	1.044
923	3.86	34.426	0.61	3.28	121.	0.00	43.7	72.0	800	4.21	34.377	0.44	27.291	79.1	1.135
1133	3.29	34.488	0.82	3.25	135.	0.01	44.7	62.0	1000	3.65	34.453	0.70	27.409	68.0	1.298

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 60100

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
36 16.5N	126 31.0W	4/25/72	1022 GMT	4594M	350	16KT		320 8 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.61	33.13		24.845	311.5	0.000
									10	13.61	33.13		24.845	311.5	0.031
									20	13.61	33.13		24.845	311.5	0.062
									30	13.61	33.13		24.845	311.5	0.094
									50	13.61	33.13		24.845	311.5	0.156
									75	13.59	33.13		24.849	311.1	0.234
									100	12.42	33.12		25.073	289.9	0.310
									125	11.30	33.20		25.343	264.1	0.380
									150	9.93	33.33		25.683	231.8	0.443
									200	8.65	33.82		26.271	175.9	0.546
									250	7.82	33.95		26.498	154.4	0.631
									300	7.10	34.02		26.655	139.4	0.706
									400	6.22	34.07		26.812	124.5	0.843
									500	5.61	34.14		26.944	112.0	0.967
									600	4.83	34.17		27.059	101.1	1.080
									700	4.67	34.29		27.172	90.4	1.183
									800	4.35	34.35		27.255	82.6	1.277
									1000	3.83	34.47		27.405	68.4	1.444

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 60120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
35 37.0N	127 53.5W	4/25/72	2033 GMT	4709M	360	17KT	2	350 9 9

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	13.77	33.127	6.11	0.28	1.	0.02	0.0	314.9	0	13.77	33.127	6.11	24.810	314.9	0.000
11	13.74	33.132 U	6.09	0.28	1.	0.01	0.1		10	13.74	33.120	6.09	24.809	315.0	0.032
31	13.75	33.114	6.10	0.27	1.	0.01	0.0	315.4	20	13.74	33.118	6.09	24.807	315.2	0.063
57	13.75	33.120	6.06	0.27	2.	0.02	0.0	315.0	30	13.75	33.116	6.10	24.805	315.4	0.095
72	13.48	33.099	6.16	0.29	1.	0.01	0.0	311.3	50	13.75	33.121	6.07	24.808	315.1	0.158
86	12.17	33.131	6.13	0.33	1.	0.01	0.4	284.5	75	13.21	33.105	6.15	24.905	305.8	0.236
102	11.72	33.159	5.93	0.46	3.	0.01	2.7	274.5	100	11.76	33.160	5.96	25.227	275.2	0.309
132	9.85	33.069	5.82	0.78	7.	0.01	7.4	249.9	125	10.29	33.082	5.85	25.427	256.2	0.376
158	9.17	33.269	5.32	1.06	13.	0.01	12.4	224.6	150	9.32	33.188	5.53	25.671	233.0	0.438
183	8.83	33.627	4.22	1.50	22.	0.01	19.1	192.9	200	8.66	33.777	3.90	26.236	179.3	0.543
218	8.49	33.878	3.76	1.72	28.	0.00	23.7	169.3	250	8.17	33.963	3.77	26.455	158.4	0.629
283	7.80	33.978	3.78	1.80	35.	0.00	25.2	152.0	300	7.54	33.986	3.59	26.566	147.9	0.708
382	6.27	34.002	2.38	2.50	58.	0.00	34.7	130.2	400	6.06	34.014	2.17	26.787	126.9	0.850
482	5.36	34.077	1.38	2.89	77.	0.00	38.6	113.9	500	5.28	34.098	1.25	26.949	111.5	0.975
616	4.95	34.220	0.66	3.21	94.	0.00	42.7	98.6	600	4.98	34.204	0.71	27.069	100.2	1.087
770	4.35	34.323	0.44	3.23	111.	0.00	44.0	84.6	700	4.62	34.283	0.54	27.171	90.5	1.189
921	3.86	34.395	0.61	3.27	124.	0.00	44.6	74.3	800	4.24	34.340	0.46	27.258	82.3	1.283
1131	3.41	34.471	0.76	3.28	133.	0.00	47.0	64.4	1000	3.66	34.428	0.68	27.388	70.0	1.451

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 60120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
35 37.0N	127 53.5W	4/25/72	2140 GMT	4709M	360	17KT	2	350 9 9

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.75	33.13		24.817	314.2	0.000
									10	13.75	33.13		24.817	314.2	0.031
									20	13.75	33.13		24.817	314.2	0.063
									30	13.71	33.12		24.817	314.2	0.094
									50	13.70	33.13		24.827	313.3	0.157
									75	13.35	33.12		24.890	307.3	0.235
									100	11.53	33.03		25.170	280.6	0.309
									125	10.38	33.14		25.459	253.1	0.377
									150	9.37	33.24		25.705	229.8	0.438
									200	8.73	33.74		26.196	183.0	0.542
									250	8.22	33.97		26.454	158.5	0.630
									300	7.58	33.99		26.564	148.1	0.709
									400	6.14	34.03		26.791	126.5	0.851
									500	5.45	34.11		26.940	112.4	0.976
									600	4.89	34.18		27.061	101.0	1.089
									700	4.77	34.27		27.145	92.9	1.193
									800	4.35	34.34		27.247	83.3	1.289
									1000	3.76	34.45		27.396	69.2	1.458

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 70060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
35 49.5N	122 28.5W	4/20/72	1341 GMT	3145M	340	12KT	1	340 4 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	10.54	33.13		25.423	256.5	0.000
									10	10.56	33.20		25.474	251.7	0.025
									20	10.60	33.28		25.530	246.4	0.050
									30	10.66	33.42		25.628	237.0	0.075
									50	10.68	33.53		25.710	229.3	0.121
									75	10.05	33.57		25.849	216.0	0.177
									100	9.37	33.74		26.095	192.7	0.229
									125	9.15	33.84		26.208	181.9	0.276
									150	8.81	33.92		26.324	170.8	0.321
									200	8.33	33.96		26.430	160.8	0.405
									250	7.60	34.02		26.585	146.1	0.484
									300	7.34	34.08		26.669	138.1	0.557
									400	6.62	34.16		26.831	122.8	0.693
									500	5.93	34.23		26.975	109.1	0.815
									600	5.39	34.28		27.081	99.0	0.926
									700	4.95	34.34		27.180	89.6	1.028
									800	4.55	34.41		27.281	80.1	1.121
									1000	3.94	34.47		27.393	69.4	1.287

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 70060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
35 49.5N	122 28.5W	4/20/72	1430 GMT	3145M	340	12KT	1	340 4 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	10.64	33.168	6.19					255.3	0	10.64	33.168	6.19	25.436	255.3	0.000
10	10.66	33.188	6.15					254.2	10	10.66	33.188	6.15	25.448	254.2	0.025
30	10.70	33.366	6.01					241.7	20	10.68	33.269	6.08	25.505	248.7	0.051
55	10.73	33.555	5.96					228.2	30	10.70	33.366	6.01	25.579	241.7	0.075
70	10.70	33.627	5.90					222.4	50	10.72	33.523	5.97	25.695	230.6	0.123
85	9.89	33.539	5.03					215.7	75	10.45	33.596	5.64	25.801	220.6	0.179
100	9.57	33.651	4.36					202.4	100	9.57	33.651	4.36	25.992	202.4	0.233
130	9.39	33.816	3.55					187.4	125	9.41	33.794	3.65	26.129	189.4	0.282
155	8.99	33.927	3.18					173.0	150	9.08	33.909	3.24	26.272	175.8	0.329
181	8.64	33.990	2.80					163.1	200	8.28	34.028	2.65	26.489	155.2	0.413
216	7.98	34.053	2.54					148.9	250	7.58	34.090	2.15	26.642	140.7	0.489
281	7.32	34.111	1.79					135.6	300	7.18	34.128	1.63	26.728	132.5	0.559
381	6.67	34.183	1.14					121.7	400	6.53	34.193	1.04	26.868	119.3	0.690
481	5.97	34.228	0.72					109.7	500	5.87	34.240	0.68	26.990	107.6	0.810
615	5.32	34.307	0.53					96.2	600	5.38	34.299	0.54	27.096	97.6	0.919
770	4.61	34.394	0.51					81.9	700	4.92	34.359	0.52	27.198	87.9	1.020
920	4.10	34.428	0.66					74.2	800	4.50	34.403	0.53	27.281	80.1	1.112
1130	3.53	34.482	0.87					64.6	1000	3.86	34.449	0.74	27.384	70.4	1.279

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 70070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
35 34.5N	123 07.0W	4/20/72	0728 GMT	3636M	350	22KT	1	10 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	12.20	32.88		24.929	303.6	0.000
10	12.20	32.88		24.929	303.6	0.030
20	11.88	32.84		24.958	300.8	0.061
30	11.73	32.86		25.001	296.7	0.091
50	11.77	32.89		25.017	295.2	0.150
75	10.60	33.22		25.483	250.8	0.218
100	9.44	33.29		25.732	227.1	0.279
125	8.84	33.48		25.976	204.0	0.333
150	8.63	33.76		26.227	180.1	0.382
200	8.13	33.92		26.429	160.9	0.468
250	7.47	33.97		26.564	148.1	0.548
300	6.97	33.98		26.642	140.7	0.622
400	6.17	34.05		26.803	125.4	0.760
500	5.46	34.12		26.947	111.8	0.884
600	5.26	34.28		27.097	97.6	0.995
700	4.86	34.31		27.167	90.9	1.097
800	4.55	34.38		27.257	82.4	1.191
1000	3.95	34.44		27.368	71.8	1.363

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 70080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
35 14.0N	123 48.0W	4/20/72	0152 GMT	4022M	340	18KT	1	330 8 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	12.41	33.20		25.136	283.8	0.000
10	12.41	33.21		25.144	283.1	0.028
20	12.41	33.22		25.152	282.3	0.057
30	12.39	33.22		25.156	282.0	0.085
50	12.31	33.56		25.434	255.5	0.139
75	10.26	33.39		25.674	232.7	0.200
100	9.84	33.64		25.939	207.4	0.256
125	9.16	33.73		26.121	190.2	0.306
150	8.50	33.83		26.302	173.0	0.352
200	7.96	33.97		26.493	154.8	0.435
250	7.18	34.00		26.629	142.0	0.511
300	6.69	34.05		26.735	131.9	0.582
400	6.09	34.11		26.861	119.9	0.713
500	5.49	34.18		26.990	107.7	0.832
600	5.08	34.26		27.102	97.1	0.941
700	4.73	34.31		27.181	89.5	1.041
800	4.38	34.37		27.268	81.4	1.134
1000	3.87	34.45		27.385	70.3	1.303

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 70090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
34 53.5N	124 29.5W	4/19/72	1916 GMT	4339M	350	21KT	1	340 8 10

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.29	33.05		24.848	311.3	0.000
10	13.29	33.05		24.848	311.3	0.031
20	13.29	33.05		24.848	311.3	0.062
30	13.29	33.05		24.848	311.3	0.093
50	13.29	33.05		24.848	311.3	0.156
75	12.57	33.15		25.067	290.4	0.232
100	11.43	33.17		25.297	268.6	0.302
125	10.66	33.25		25.496	249.6	0.367
150	9.73	33.47		25.825	218.3	0.426
200	8.82	33.86		26.276	175.5	0.527
250	8.07	34.00		26.500	154.1	0.611
300	7.34	34.03		26.630	141.9	0.687
400	6.48	34.09		26.794	126.2	0.826
500	5.52	34.10		26.924	114.0	0.952
600	4.93	34.19		27.064	100.7	1.066
700	4.54	34.27		27.171	90.5	1.168
800	4.24	34.35		27.267	81.4	1.262
1000	3.73	34.44		27.391	69.7	1.429

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 70090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
34 53.5N	124 29.5W	4/19/72	2036 GMT	4339M	350	21KT	1	340 8 10

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1	13.37	33.057	6.24					312.3
11	13.36	33.057	6.19					312.1
32	13.34	33.055	6.14					311.8
57	13.35	33.053	6.18					312.2
72	13.04	33.143	6.27					299.7
88	11.91	33.123	6.19					280.5
103	11.47	33.155	5.98					270.4
133	10.45	33.272	5.47					244.5
158	9.71	33.499	4.64					215.8
184	9.11	33.788	3.54					185.1
219	8.59	33.921	3.28					167.5
285	7.53	34.021	2.65					145.1
385	6.44	34.081	1.62					126.4
485	5.56	34.120	1.11					113.0
620	4.82	34.216	0.63					97.5
776	4.35	34.342	0.47					83.2
926	3.96	34.416	0.56					73.7
1136	3.38	34.479	0.80					63.5

Z	T	S	O2	SIGT	DT	DD
0	13.37	33.057	6.24	24.837	312.3	0.000
10	13.36	33.059	6.19	24.839	312.1	0.031
20	13.35	33.059	6.16	24.841	311.9	0.062
30	13.34	33.058	6.14	24.842	311.8	0.094
50	13.35	33.056	6.17	24.839	312.1	0.156
75	12.83	33.143	6.26	25.009	296.0	0.233
100	11.54	33.149	6.03	25.259	272.2	0.304
125	10.72	33.231	5.64	25.468	252.2	0.370
150	9.93	33.419	4.94	25.750	225.4	0.431
200	8.85	33.872	3.42	26.279	175.1	0.533
250	8.08	33.984	3.00	26.485	155.6	0.617
300	7.34	34.036	2.48	26.633	141.5	0.694
400	6.29	34.088	1.52	26.816	124.2	0.832
500	5.46	34.130	1.04	26.954	111.1	0.955
600	4.90	34.201	0.68	27.075	99.6	1.067
700	4.55	34.264	0.55	27.180	89.6	1.168
800	4.29	34.357	0.47	27.267	81.4	1.261
1000	3.76	34.444	0.63	27.391	69.7	1.428

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 80060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
34 09.0N	121 08.5W	4/13/72	1212 GMT	2316M	340	25KT	1	320 8 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	12.36	33.65		25.494	249.8	0.000
10	12.23	33.65		25.519	247.4	0.025
20	11.72	33.64		25.607	239.0	0.049
30	11.44	33.64		25.659	234.1	0.073
50	11.10	33.67		25.744	226.0	0.119
75	9.93	33.78		26.033	198.5	0.173
100	9.56	33.90		26.188	183.8	0.221
125	9.23	33.96		26.289	174.2	0.266
150	8.57	33.97		26.401	163.6	0.309
200	7.82	34.02		26.553	149.2	0.389
250	7.38	34.05		26.640	140.9	0.463
300	7.07	34.15		26.762	129.3	0.533
400	6.52	34.22		26.891	117.0	0.661
500	6.04	34.27		26.993	107.4	0.779
600	5.58	34.34		27.106	96.7	0.889
700	5.03	34.37		27.195	88.3	0.989
800	4.46	34.44		27.314	76.9	1.079
1000	4.15	34.46		27.363	72.3	1.246

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 80060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
34 09.0N	121 08.5W	4/13/72	1313 GMT	2316M	340	25KT	1	320 8 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	12.16	33.644						246.6
10	12.17	33.643						246.8
30	11.93	33.649						242.1
56	11.34	33.705						227.6
71	10.36	33.740						208.4
86	9.89	33.82						194.9
101	9.63	33.893						185.4
131	8.76	33.967						166.6
157	8.31	33.968						160.0
182	8.10	33.981						156.0
217	7.80							
281	7.43	34.066						140.4
379	6.52	34.160						121.5
477	6.10	34.247						109.8
609	5.59	34.350						96.1
761	4.63	34.424						79.9
909	4.35	34.444						75.5
1120	3.87	34.483						67.8

Z	T	S	O2	SIGT	DT	DD
0	12.16	33.644		25.527	246.6	0.000
10	12.17	33.643		25.525	246.8	0.025
20	12.08	33.645		25.542	245.2	0.049
30	11.93	33.649		25.575	242.1	0.074
50	11.55	33.692		25.677	232.4	0.121
75	10.20	33.761		25.971	204.4	0.176
100	9.65	33.890		26.165	186.0	0.226
125	8.94	33.960		26.335	169.9	0.271
150	8.41	33.971		26.426	161.2	0.313
200	7.94	33.989		26.509	153.3	0.393
250	7.61	34.031		26.592	145.5	0.469
300	7.25	34.086		26.685	136.6	0.542
400	6.41	34.180		26.874	118.7	0.675
500	6.02	34.268		26.993	107.4	0.794
600	5.63	34.345		27.103	97.0	0.903
700	5.00	34.400		27.222	85.7	1.002
800	4.53	34.432		27.300	78.2	1.092
1000	4.15	34.460		27.363	72.4	1.260

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 80070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 48.5N	121 50.0W	4/13/72	2134 GMT	3785M	340	24KT	1	330 15 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.47	33.26		24.974	299.3	0.000
10	13.47	33.26		24.974	299.3	0.030
20	13.47	33.26		24.974	299.3	0.060
30	13.41	33.25		24.978	298.9	0.090
50	12.42	33.32		25.227	275.2	0.147
75	11.75	33.38		25.400	258.7	0.215
100	10.20	33.52		25.785	222.1	0.275
125	9.17	33.61		26.025	199.3	0.328
150	9.06	33.83		26.215	181.3	0.377
200	8.40	33.99		26.443	159.6	0.463
250	7.76	34.03		26.569	147.6	0.542
300	7.28	34.09		26.685	136.6	0.615
400	6.05	34.15		26.897	116.5	0.747
500	5.45	34.20		27.011	105.7	0.864
600	5.01	34.28		27.126	94.8	0.970
700	4.73	34.35		27.213	86.5	1.068
800	4.44	34.41		27.293	79.0	1.159
1000	3.87	34.49		27.416	67.3	1.322

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 80070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 48.5N	121 50.0W	4/13/72	2223 GMT	3785M	340	24KT	1	330 15 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1001	3.84	34.472						68.3
1149	3.47	34.508						62.1
1295	3.22	34.530						58.2
1442	2.92	34.553						53.8
1591	2.68	34.572						50.4
1739	2.46	34.590						47.2
1886	2.27	34.600						45.0
2039	2.10	34.615						42.5
2190	1.94	34.632						40.0

Z	T	S	O2	SIGT	DT	DD
1200	3.38	34.517		27.486	60.6	
1500	2.82	34.561		27.573	52.4	
1750	2.44	34.592		27.630	47.0	
2000	2.14	34.612		27.671	43.2	

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 48.5N	121 50.0W	4/16/72	1424 GMT	3785M				

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
793	4.48	34.411						79.3	800	4.46	34.415		27.294	78.9	
943	4.03	34.467						70.5	1000	3.87	34.489		27.416	67.3	
1092	3.62	34.517						62.8	1200	3.39	34.526		27.493	60.0	
1241	3.31	34.528						59.2	1500	2.81	34.576		27.585	51.2	
1390	3.01	34.561						54.0	1750	2.44	34.598		27.635	46.5	
1539	2.74	34.578						50.4	2000	2.07	34.617		27.680	42.2	
1690	2.55	34.588						48.1	2250	1.89	34.635		27.709	39.5	
1838	2.28	34.611						44.2	2500	1.79	34.648		27.727	37.8	
1988	2.08	34.615						42.4	2750	1.68	34.656		27.743	36.3	
2136	1.98	34.627						40.7	3000	1.63	34.663		27.752	35.5	
2286	1.87	34.636						39.2	3250	1.58	34.668		27.759	34.8	
2435	1.82	34.644						38.2							
2583	1.75	34.650						37.3							
2732	1.68	34.655						36.4							
2880	1.65	34.659						35.9							
3029	1.62	34.663						35.4							
3177	1.59	34.665						35.0							
3324	1.57	34.669						34.6							
3473	1.56	34.670						34.4							

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 48.5N	121 50.0W	4/16/72	1128 GMT	3785M				

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.33	33.27		25.010	295.9	0.000
									10	13.34	33.27		25.008	296.0	0.030
									20	13.32	33.27		25.012	295.7	0.059
									30	12.88	33.26		25.045	292.5	0.089
									50	11.98	33.22		25.233	274.6	0.146
									75	10.93	33.40		25.565	243.0	0.211
									100	10.10	33.49		25.779	222.7	0.269
									125	9.05	33.78		26.177	184.8	0.321
									150	8.80	33.89		26.303	172.9	0.366
									200	7.98	33.97		26.490	155.1	0.450
									250	7.30	33.99		26.604	144.3	0.526
									300	6.79	34.00		26.682	136.9	0.599
									400	5.83	34.04		26.838	122.1	0.733
									500	5.30	34.12		26.966	110.0	0.855
									600	5.08	34.25		27.094	97.8	0.965
									700	4.64	34.31		27.192	88.6	1.065
									800	4.43	34.36		27.254	82.6	1.158
									1000	3.85	34.42		27.363	72.3	1.330
									1200	3.43	34.49		27.460	63.1	1.483
									1500	2.85	34.58		27.586	51.2	1.683

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 48.5N	121 51.5W	6/13/72	1001 1415 GMT	3719M	360	17KT	1	010 6 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	13.98	33.322						304.7	0	13.98	33.322		24.917	304.7	0.000
10	13.98	33.320						304.8	10	13.98	33.320		24.916	304.8	0.030
30	13.45	33.457						284.4	20	13.83	33.380		24.991	297.7	0.061
56	10.99	33.637						226.6	30	13.45	33.457		25.130	284.4	0.090
71	10.44	33.700						212.7	50	11.56	33.596		25.601	239.6	0.142
86	10.19	33.762						204.0	75	10.38	33.721		25.910	210.2	0.199
101	9.54	33.758						194.0	100	9.59	33.760		26.074	194.7	0.250
131	8.77	33.869						174.0	125	8.88	33.843		26.252	177.7	0.297
156	8.51	33.957						163.7	150	8.56	33.940		26.377	165.8	0.341
181	8.13	34.000						155.0	200	7.93	34.022		26.538	150.5	0.421
216	7.78	34.035						147.5	250	7.47	34.064		26.637	141.1	0.496
281	7.19	34.084						135.8	300	7.01	34.095		26.726	132.7	0.567
381	6.29	34.151						120.8	400	6.14	34.140		26.877	118.4	0.697
481	5.60	34.179						109.0	500	5.53	34.195		26.996	107.1	0.816
615	5.24	34.288						96.7	600	5.27	34.276		27.092	98.0	0.925
771	4.63	34.362						84.6	700	4.92	34.332		27.177	90.0	1.026
921	4.07	34.445						72.6	800	4.51	34.380		27.261	82.0	1.120
1008A	3.87	34.468						68.9	1000	3.89	34.467		27.396	69.2	1.288
1130	3.55	34.496	V						1200	3.30	34.516		27.493	59.9	1.435
1132P	3.51	34.507						62.6	1500	2.83	34.563		27.574	52.4	1.631
1157A	3.43	34.509						61.7	1750	2.33	34.591		27.638	46.2	1.778
1305A	3.11	34.540						56.5	2000	2.01	34.621		27.688	41.5	1.910
1356P	3.10	34.548						55.8	2250	1.89	34.643		27.716	38.8	2.033
1452A	2.90	34.555						53.5	2500	1.78	34.651		27.730	37.6	2.152
1572P	2.68	34.572						50.4							
1602A	2.58	34.574						49.4							
1751A	2.33	34.590						46.2							
1787P	2.31	34.605						44.9							
1985P	2.02	34.618						41.7							
2183P	1.91	34.640						39.2							
2427P	1.82	34.647						38.0							
2659P	1.68	34.655						36.4							

A) CAST I. THE LOWER BOTTLES OF THIS CAST POSTTRIPPED.

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 48.5N	121 51.5W	6/13/72	1309 GMT	3719M	360	17KT	1	010 6 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.78	33.34		24.972	299.4	0.000
10	13.79	33.34		24.970	299.6	0.030
20	13.63	33.34		25.003	296.5	0.060
30	13.20	33.41		25.144	283.1	0.089
50	11.04	33.71		25.786	222.0	0.140
75	10.02	33.76		26.002	201.4	0.193
100	9.25	33.80		26.161	186.4	0.242
125	8.67	33.87		26.307	172.5	0.287
150	8.25	33.95		26.434	160.4	0.329
200	7.94	34.07		26.574	147.1	0.408
250	7.28	34.05		26.654	139.6	0.481
300	6.91	34.10		26.744	131.0	0.551
400	5.93	34.15		26.912	115.0	0.679
500	5.42	34.20		27.014	105.4	0.795
600	5.12	34.29		27.121	95.2	0.901
700	4.74	34.35		27.212	86.6	0.999
800	4.37	34.40		27.292	79.0	1.090
1000	3.78	34.46		27.402	68.7	1.254

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 48.5N	121 51.5W	6/13/72	1446 GMT	3719M	360	17KT	1	010 6 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.80	33.30		24.937	302.7	0.000
10	13.80	33.30		24.937	302.7	0.030
20	13.75	33.30		24.948	301.8	0.061
30	12.85	33.37		25.182	279.4	0.090
50	11.08	33.62		25.709	229.4	0.141
75	10.32	33.75		25.943	207.0	0.196
100	9.43	33.76		26.100	192.1	0.246
125	8.90	33.88		26.279	175.2	0.292
150	8.54	33.99		26.421	161.7	0.335
200	8.01	34.06		26.556	148.8	0.414
250	7.42	34.07		26.650	140.0	0.488
300	7.04	34.11		26.734	131.9	0.558
400	6.16	34.15		26.883	117.8	0.688
500	5.54	34.20		27.000	106.7	0.806
600	5.19	34.28		27.105	96.8	0.915
700	4.80	34.35		27.205	87.3	1.014
800	4.42	34.38		27.271	81.0	1.106
1000	3.92	34.47		27.395	69.2	1.273

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80080 (BUOY 58)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 26.0N	122 37.0W	4/15/72	0003 GMT	4174M	340	14KT	1	320 12 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.55	33.04		24.788	317.0	0.000
10	13.53	33.04		24.792	316.6	0.032
20	13.44	33.02		24.795	316.3	0.063
30	13.37	33.03		24.817	314.2	0.095
50	13.03	33.04		24.892	307.1	0.157
75	12.07	33.27		25.255	272.5	0.230
100	10.75	33.23		25.465	252.6	0.296
125	9.42	33.44		25.853	215.7	0.355
150	8.82	33.75		26.190	183.6	0.406
200	7.94	33.97		26.496	154.6	0.492
250	7.62	34.06		26.613	143.4	0.568
300	7.07	34.10		26.722	133.1	0.640
400	6.26	34.15		26.870	119.0	0.771
500	5.73	34.19		26.969	109.7	0.891
600	5.18	34.28		27.106	96.7	1.001
700	4.71	34.34		27.208	87.1	1.100
800	4.36	34.38		27.278	80.4	1.191
1000	3.87	34.46		27.392	69.5	1.358
1200	3.38	34.51		27.481	61.1	1.506
1500	2.80	34.56		27.574	52.3	1.704

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 800A0 (BUOY 58)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 25.5N	122 37.0W	4/15/72	0237 GMT	4174M	340	14KT	1	320 12 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1286	3.16	34.529						57.7	1500	2.71	34.566		27.585	51.2	
1436	2.83	34.553						53.1	1750	2.31	34.600		27.648	45.4	
1585	2.57	34.604 U							2000	2.06	34.623		27.687	41.7	
1734	2.33	34.597						45.7	2250	1.87	34.638		27.713	39.1	
1884	2.16	34.612						43.2	2500	1.75	34.649		27.731	37.5	
2033	2.03	34.624						41.3	2750	1.66	34.652		27.740	36.6	
2183	1.91	34.632						39.8	3000	1.62	34.663		27.752	35.5	
2333	1.82	34.643						38.3	3250	1.54	34.666		27.760	34.7	
2483	1.76	34.647						37.6	3500	1.52	34.675		27.769	33.8	
2633	1.71	34.656						36.5	3750	1.50	34.680		27.774	33.3	
2782	1.65	34.650						36.6							
2932	1.64	34.662						35.6							
3081	1.60	34.661						35.4							
3230	1.54	34.678 U													
3379	1.54	34.672						34.1							
3528	1.52	34.675						33.8							
3677	1.50	34.679						33.3							
3826	1.50	34.679						33.3							
3975	1.52	34.682						33.2							

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 800A0

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 27.5N	122 37.5W	4/16/72	0006 GMT	4174M	320	8KT	1	320 3 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.20	33.05		24.662	329.0	0.000
									10	13.54	33.05		24.798	316.0	0.032
									20	13.48	33.05		24.810	314.9	0.064
									30	13.46	33.05		24.814	314.5	0.095
									50	12.45	33.21		25.136	283.8	0.155
									75	11.65	33.21		25.287	269.5	0.225
									100	10.10	33.29		25.623	237.5	0.289
									125	9.22	33.56		25.978	203.7	0.344
									150	8.65	33.79		26.248	178.1	0.393
									200	7.93	33.98		26.505	153.7	0.477
									250	7.50	34.09		26.654	139.5	0.552
									300	7.07	34.11		26.730	132.3	0.623
									400	6.22	34.16		26.883	117.8	0.753
									500	5.75	34.21		26.982	108.4	0.872

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 800A0

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 27.5N	122 37.5W	4/16/72	0127 GMT	4174M	320	8KT	1	320 3 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.94	33.04		24.708	324.6	0.000
									10	13.77	33.04		24.743	321.2	0.032
									20	13.56	33.04		24.786	317.2	0.064
									30	13.47	33.05		24.812	314.7	0.096
									50	12.32	33.21		25.161	281.4	0.156
									75	11.28	33.20		25.347	263.8	0.224
									100	9.91	33.26		25.632	236.7	0.287
									125	9.47	33.53		25.915	209.8	0.344
									150	8.72	33.77		26.221	180.6	0.393
									200	8.03	33.95		26.467	157.3	0.479

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80080 (BUOY 58)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 26.0N	122 36.5W	6/12/72	1634 2129 GMT	4128M	330	20KT	1	010 10 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	14.06	33.059						325.5	0	14.06	33.059		24.698	325.5	0.000
10	14.02	33.055						325.0	10	14.02	33.055		24.703	325.0	0.033
30	13.97	33.059						323.8	20	14.00	33.059		24.710	324.4	0.065
55	13.03	33.159						298.3	30	13.97	33.059		24.717	323.8	0.098
71	11.51	33.070						277.3	50	13.33	33.149		24.916	304.8	0.161
86	10.71	33.112						260.6	75	11.24	33.069		25.251	272.9	0.233
101	10.45	33.331						240.2	100	10.46	33.317		25.581	241.6	0.298
131	9.50	33.596						205.4	125	9.70	33.553		25.894	211.8	0.355
156	8.98	33.823						180.6	150	9.09	33.775		26.166	185.9	0.406
180	8.59	33.937						166.3	200	8.34	33.976		26.440	159.9	0.494
215	8.17	33.986						156.6	250	7.82	34.027		26.557	148.8	0.573
279	7.54	34.050						143.1	300	7.27	34.057		26.659	139.1	0.647
378	6.35	34.075						125.7	400	6.19	34.093		26.834	122.5	0.783
476	5.74	34.158						112.2	500	5.59	34.178		26.975	109.1	0.904
609	5.01	34.259						96.4	600	5.05	34.253		27.099	97.3	1.014
761	4.51	34.372						82.6	700	4.69	34.330		27.201	87.7	1.113
910	3.99	34.446						71.7	800	4.36	34.394		27.288	79.4	1.205
969A	3.87								1000	3.79	34.481		27.417	67.2	1.367
1118A	3.47								1200	3.27	34.517		27.496	59.7	1.512
1121	3.42	34.498						62.4	1500	2.74	34.565		27.583	51.4	1.705
1267A	3.15								1750	2.35	34.599		27.643	45.8	1.850
1416A	2.88	34.553						53.5	2000	2.04	34.620		27.685	41.8	1.982
1615A	2.56	34.58						48.8	2250	1.88	34.636		27.711	39.3	2.106
1813A	2.26	34.605						44.5	2500	1.77	34.657		27.736	37.0	2.225
2012A	2.03	34.619						41.7	2750	1.67	34.659		27.745	36.1	2.341
2210A	1.90	34.632						39.7	3000	1.58	34.669		27.760	34.7	2.454
2410A	1.80	34.650						37.6	3250	1.56	34.679		27.770	33.7	2.566
2608A	1.73	34.660						36.4	3500	1.53	34.684		27.776	33.2	2.677
2808A	1.64	34.657						36.0	3750	1.50	34.686		27.779	32.9	2.788
3007A	1.58	34.669						34.6	4000	1.51	34.687		27.779	32.9	2.901
3206A	1.56	34.678						33.8							
3406A	1.54	34.680						33.5							
3606A	1.51	34.686						32.9							
3807A	1.50	34.706 U													
4007A	1.51	34.686						32.9							
4108A	1.50	34.696						32.0							

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80080 (BUOY 58)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 26.0N	122 36.5W	6/12/72	2019 GMT	4128M	330	20KT	1	010 10 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.00	33.06		24.711	324.3	0.000
									10	13.97	33.06		24.718	323.7	0.032
									20	13.94	33.06		24.724	323.1	0.065
									30	13.92	33.06		24.728	322.7	0.097
									50	13.38	33.15		24.907	305.6	0.160
									75	11.42	33.02		25.182	279.5	0.234
									100	10.56	33.24		25.505	248.7	0.300
									125	9.77	33.56		25.889	212.3	0.358
									150	9.07	33.69		26.104	191.8	0.410
									200	8.47	33.96		26.408	162.9	0.500
									250	7.83	34.01		26.544	150.0	0.580
									300	7.37	34.07		26.657	139.3	0.655
									400	6.04	34.08		26.843	121.6	0.790
									500	5.50	34.16		26.973	109.3	0.911
									600	5.00	34.24		27.095	97.7	1.021
									700	4.64	34.32		27.199	87.6	1.121
									800	4.28	34.41		27.310	77.3	1.211
									1000	3.68	34.49		27.435	65.4	1.370

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80080 (BUOY 58)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 26.0N	122 36.5W	6/12/72	2202 GMT	4128M	330	20KT	1	010 10 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.05	33.06		24.701	325.3	0.000
									10	14.04	33.06		24.703	325.1	0.033
									20	13.98	33.06		24.716	323.9	0.065
									30	13.94	33.06		24.724	323.1	0.097
									50	13.00	33.14		24.975	299.2	0.160
									75	11.00	33.06		25.289	269.3	0.231
									100	10.25	33.31		25.613	238.4	0.295
									125	9.47	33.54		25.922	209.1	0.352
									150	8.96	33.78		26.191	183.5	0.401
									200	8.42	33.96		26.416	162.1	0.489
									250	7.83	34.00		26.536	150.8	0.570
									300	7.40	34.05		26.637	141.2	0.645
									400	6.12	34.07		26.825	123.3	0.782
									500	5.42	34.16		26.983	108.3	0.904
									600	5.02	34.24		27.093	97.9	1.013
									700	4.69	34.32		27.194	88.3	1.113
									800	4.33	34.40		27.297	78.6	1.204
									1000	3.68	34.46		27.412	67.7	1.367

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RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80080 (BUOY 58)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 26.0N	122 36.5W	6/14/72	0049 GMT	4145M	360	12KT	2	360 10 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.80	33.13		24.597	335.2	0.000
									10	14.81	33.14		24.602	334.7	0.034
									20	14.79	33.14		24.606	334.3	0.067
									30	14.69	33.12		24.612	333.7	0.100
									50	12.41	33.00		24.982	298.5	0.164
									75	10.78	33.09		25.351	263.4	0.234
									100	10.02	33.37		25.699	230.3	0.297
									125	9.22	33.54		25.963	205.2	0.352
									150	9.05	33.74		26.146	187.8	0.401
									200	8.31	33.94		26.417	162.0	0.490
									250	7.67	34.00		26.559	148.6	0.570
									300	7.12	34.05		26.676	137.4	0.644

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80080 (BUOY 58)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 26.0N	122 36.5W	6/14/72	0200 GMT	4136M	350	16KT	2	350 10 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.67	33.12		24.617	333.3	0.000
									10	14.67	33.12		24.617	333.3	0.033
									20	14.66	33.12		24.619	333.1	0.067
									30	14.27	33.09		24.678	327.4	0.100
									50	12.92	32.99		24.875	308.7	0.164
									75	10.80	33.10		25.355	263.0	0.235
									100	9.94	33.28		25.642	235.7	0.298
									125	9.35	33.51		25.918	209.4	0.354
									150	9.08	33.73		26.133	189.0	0.405
									200	8.40	33.96		26.419	161.9	0.494
									250	7.72	34.02		26.567	147.8	0.573
									300	7.12	34.03		26.661	138.9	0.647

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 09.0N	123 13.0W	4/17/72	0803 GMT	4241M	360	28KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.15	33.04		24.868	309.3	0.000
									10	13.15	33.04		24.868	309.3	0.031
									20	13.15	33.04		24.868	309.3	0.062
									30	13.04	33.04		24.890	307.3	0.093
									50	12.74	33.14		25.026	294.3	0.153
									75	12.41	33.34		25.245	273.5	0.225
									100	11.65	33.39		25.426	256.2	0.291
									125	9.73	33.52		25.864	214.6	0.351
									150	8.83	33.79		26.220	180.8	0.401
									200	8.34	33.99		26.452	158.8	0.487
									250	7.62	34.06		26.613	143.4	0.565
									300	6.86	34.07		26.728	132.6	0.636
									400	5.87	34.15		26.920	114.3	0.764
									500	5.25	34.19		27.027	104.2	0.879
									600	4.88	34.27		27.133	94.1	0.984
									700	4.69	34.35		27.218	86.1	1.081
									800	4.33	34.41		27.305	77.8	1.171
									1000	3.77	34.50		27.434	65.5	1.331

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 80090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 09.0N	123 13.0W	4/17/72	0914 GMT	4241M	360	28KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
2	13.24	33.060	6.21					309.6	0	13.24	33.060	6.21	24.866	309.6	0.000
12	13.24	33.059	6.24					309.6	10	13.24	33.062	6.24	24.865	309.6	0.031
32	13.20	33.063	6.26					308.6	20	13.22	33.063	6.24	24.870	309.2	0.062
58	12.76	33.159	6.45					293.3	30	13.20	33.065	6.26	24.875	308.7	0.093
73	12.13	33.239	6.55					275.9	50	12.96	33.124	6.38	24.968	299.8	0.154
88	12.36	33.412	6.21					267.3	75	12.16	33.267	6.51	25.234	274.5	0.226
103	11.79	33.390	6.11					258.7	100	11.94	33.402	6.13	25.381	260.6	0.294
159	8.90	33.702	4.23					188.4	125	10.52	33.462	5.48	25.684	231.7	0.356
184	8.73	33.880						172.6	150	9.29	33.625	4.59	26.017	200.1	0.410
219	8.21	33.984	2.87					157.3	200	8.51	33.942	3.22	26.387	164.9	0.503
284	7.47	34.069	2.22					140.7	250	7.84	34.037	2.50	26.562	148.3	0.583
384	6.16	34.113	1.36					120.6	300	7.25	34.079	2.07	26.681	137.0	0.657
483	5.45	34.179	0.84					107.3	400	6.02	34.124	1.26	26.880	118.1	0.790
618	4.91	34.291	0.49					92.9	500	5.37	34.194	0.78	27.015	105.3	0.907
771	4.36	34.389	0.49					79.7	600	4.97	34.277	0.52	27.128	94.6	1.013
922	3.91	34.452	0.66					70.5	700	4.61	34.348	0.49	27.225	85.4	1.110
1132	3.37	34.506	0.92					61.4	800	4.27	34.404	0.52	27.306	77.7	1.199
									1000	3.70	34.477	0.75	27.423	66.6	1.359

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 83075 (BUOY 59)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 05.0N	121 44.5W	4/16/72	2240 GMT	4003M	350	18KT	2	350 3 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.84	33.08		24.760	319.7	0.000
10	13.76	33.08		24.776	318.1	0.032
20	13.54	33.06		24.806	315.3	0.064
30	13.12	33.02		24.859	310.2	0.095
50	12.29	33.11		25.090	288.2	0.155
75	11.34	33.18		25.321	266.3	0.225
100	9.98	33.21		25.581	241.5	0.289
125	9.82	33.67		25.966	204.9	0.345
150	9.26	33.84		26.190	183.6	0.394
200	8.72	33.96		26.370	166.5	0.483
250	8.05	34.03		26.527	151.6	0.565
300	7.43	34.08		26.656	139.3	0.640
400	6.30	34.12		26.841	121.8	0.776
500	5.59	34.21		27.002	106.6	0.896
600	5.21	34.28		27.103	97.0	1.004
700	5.02	34.39		27.212	86.6	1.103
800	4.47	34.41		27.289	79.3	1.194
1000	3.83	34.47		27.405	68.4	1.359
1200	3.38	34.52		27.489	60.4	1.505
1500	2.83	34.58		27.588	51.0	1.701

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 83075 (BUOY 59)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 03.5N	121 44.0W	6/14/72	0920 1330 GMT	4012M	360	10KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1	14.11	33.265						311.4
11		33.266						
31	14.11	33.262						311.6
56	13.54	33.161						307.9
71	12.03	33.083						285.6
86	11.68	33.271						265.5
101	11.05	33.362						247.9
131	9.76	33.545						213.2
156	9.24	33.720						192.2
181	8.82	33.877						174.2
216	8.37	33.967						160.9
281	7.57	34.044						143.9
381	6.49	34.080						127.1
481	5.46	34.155						109.2
541A	5.25	34.210						102.7
616	5.12	34.310						93.7
688A	4.86	34.352						87.8
770	4.54	34.308 U						
837A	4.34	34.424						76.9
919	4.10	34.451						72.4
984A	3.88	34.513 U						
1128	3.53	34.497						63.5
1181A	3.37	34.513						60.8
1378A	2.99	34.546						55.0
1575A	2.65	34.567						50.5
1772A	2.32	34.594						45.8
1969A	2.09	34.625						41.7
2167A	1.95	34.642						39.4
2364A	1.84	34.651						37.9
2561A	1.76	34.672						35.7
2758A	1.69	34.676						34.9
2955A	1.64	34.667						35.2
3153A	1.60	34.666						35.0
3350A	1.56	34.672						34.3
3548A	1.54	34.684						33.2
3646A	1.53	34.685						33.1

Z	T	S	O2	SIGT	DT	DD
0	14.11	33.265		24.846	311.4	0.000
10	14.11	33.266		24.846	311.5	0.031
20	14.11	33.265		24.845	311.6	0.062
30	14.11	33.264		24.844	311.6	0.094
50	13.90	33.220		24.855	310.6	0.156
75	11.89	33.128		25.177	280.0	0.230
100	11.10	33.359		25.502	249.0	0.297
125	9.99	33.509		25.810	219.7	0.356
150	9.34	33.680		26.052	196.8	0.409
200	8.56	33.939		26.376	165.9	0.501
250	7.94	34.018		26.532	151.1	0.582
300	7.36	34.054		26.646	140.3	0.657
400	6.26	34.093		26.824	123.4	0.794
500	5.37	34.172		26.997	107.0	0.915
600	5.15	34.291		27.118	95.6	1.023
700	4.81	34.359		27.210	86.8	1.121
800	4.45	34.407		27.289	79.3	1.212
1000	3.84	34.464		27.398	68.9	1.377
1200	3.33	34.518		27.492	60.1	1.524
1500	2.78	34.559		27.575	52.1	1.720
1750	2.35	34.592		27.637	46.3	1.866
2000	2.06	34.629		27.691	41.2	1.999
2250	1.90	34.646		27.718	38.7	2.122
2500	1.78	34.666		27.742	36.3	2.239
2750	1.69	34.677		27.758	34.9	2.353
3000	1.63	34.668		27.755	35.2	2.466
3250	1.58	34.670		27.761	34.7	2.580
3500	1.54	34.682		27.773	33.4	2.693

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 83075 (BUOY 59)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 03.5N	121 44.0W	6/14/72	1215 GMT	4012M	360	10KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	14.02	33.25		24.853	310.7	0.000
10	14.03	33.25		24.851	310.9	0.031
20	14.03	33.25		24.851	310.9	0.062
30	14.04	33.25		24.849	311.1	0.093
50	13.95	33.24		24.860	310.1	0.156
75	12.28	32.99		24.999	296.9	0.232
100	11.07	33.22		25.400	258.7	0.302
125	10.27	33.43		25.703	229.9	0.364
150	9.50	33.61		25.972	204.3	0.419
200	8.60	33.88		26.326	170.7	0.514
250	7.99	34.02		26.528	151.5	0.596
300	7.45	34.06		26.638	141.1	0.672
400	6.16	34.08		26.828	123.0	0.809
500	5.37	34.16		26.989	107.8	0.930
600	5.12	34.27		27.105	96.8	1.039
700	4.84	34.34		27.193	88.4	1.139
800	4.49	34.40		27.279	80.2	1.231
1000	3.83	34.47		27.405	68.4	1.396

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RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 83075 (BUOY 59)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 03.5N	121 44.0W	6/14/72	1407 GMT	4012M	360	10KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.10	33.28		24.860	310.1	0.000
									10	14.10	33.28		24.860	310.1	0.031
									20	14.10	33.28		24.860	310.1	0.062
									30	14.11	33.28		24.858	310.3	0.093
									50	13.99	33.26		24.867	309.4	0.155
									75	11.93	33.12		25.165	281.0	0.230
									100	11.00	33.39		25.545	245.0	0.296
									125	9.72	33.47		25.827	218.1	0.354
									150	9.17	33.75		26.135	188.9	0.406
									200	8.39	33.99		26.444	159.5	0.494
									250	7.84	34.02		26.550	149.4	0.574
									300	7.35	34.08		26.668	138.3	0.648
									400	6.16	34.10		26.844	121.5	0.783
									500	5.38	34.16		26.988	107.9	0.903
									600	5.12	34.29		27.121	95.2	1.011
									700	4.87	34.35		27.197	88.0	1.110
									800	4.51	34.40		27.277	80.4	1.202
									1000	3.88	34.47		27.399	68.9	1.368

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 83075 (BUOY 59)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 04.5N	121 45.0W	6/14/72	1626 GMT	3999M	020	12KT	2	020 5 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.14	33.30		24.867	309.4	0.000
									10	14.14	33.30		24.867	309.4	0.031
									20	14.14	33.30		24.867	309.4	0.062
									30	14.14	33.30		24.867	309.4	0.093
									50	14.08	33.29		24.872	309.0	0.155
									75	11.95	33.23		25.247	273.3	0.228
									100	10.85	33.42		25.594	240.2	0.293
									125	9.95	33.43		25.757	224.7	0.352
									150	9.26	33.74		26.112	191.0	0.404
									200	8.50	34.00		26.435	160.3	0.494
									250	7.89	34.06		26.574	147.2	0.572
									300	7.26	34.09		26.688	136.3	0.646

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 83075 (BUOY 59)

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 04.5N	121 45.0W	6/14/72	1725 GMT	3999M	360	12KT	2	360 5 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.07	33.24		24.835	312.5	0.000
									10	14.07	33.24		24.835	312.5	0.031
									20	14.06	33.24		24.837	312.3	0.063
									30	14.02	33.23		24.838	312.2	0.094
									50	13.94	33.23		24.855	310.6	0.156
									75	12.30	33.09		25.072	289.9	0.232
									100	11.17	33.27		25.421	256.7	0.301
									125	10.25	33.45		25.722	228.1	0.362
									150	9.33	33.68		26.054	196.5	0.416
									200	8.50	33.99		26.427	161.1	0.507
									250	7.82	34.08		26.600	144.7	0.585
									300	7.17	34.10		26.709	134.4	0.657

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 90032

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 20.5N	118 03.0W	4/18/72	0755 GMT	722M	250	12KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.57	33.44		24.666	328.5	0.000
									10	15.57	33.44		24.666	328.5	0.033
									20	15.51	33.43		24.672	328.0	0.066
									30	12.92	33.38		25.176	280.0	0.096
									50	11.45	33.44		25.502	249.0	0.149
									75	10.52	33.62		25.808	219.9	0.208
									100	10.04	33.78		26.015	200.3	0.261
									125	9.72	33.94		26.193	183.3	0.310
									150	9.32	34.00		26.305	172.6	0.355
									200	9.02	34.21		26.518	152.5	0.438
									250	8.32	34.19		26.611	143.6	0.514
									300	8.13	34.28		26.710	134.2	0.586
									400	7.14	34.25		26.831	122.8	0.720
									500	6.58	34.26		26.915	114.8	0.846
									600	5.99	34.30		27.023	104.5	0.963

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 90037

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 11.0N	118 22.5W	4/18/72	1108 GMT	1110M	280	10KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	15.15	33.44		24.759	319.7	0.000
10	15.16	33.44		24.757	319.9	0.032
20	15.16	33.45		24.764	319.2	0.064
30	15.01	33.44		24.789	316.8	0.096
50	11.72	33.39		25.414	257.4	0.153
75	10.77	33.54		25.702	230.0	0.215
100	9.96	33.75		26.005	201.2	0.269
125	9.67	33.88		26.154	187.0	0.318
150	8.99	33.93		26.304	172.8	0.364
200	8.70	34.06		26.451	158.8	0.448
250	8.39	34.17		26.585	146.1	0.527
300	8.05	34.23		26.683	136.8	0.600
400	7.04	34.19		26.797	126.0	0.737
500	6.20	34.28		26.980	108.6	0.861
600	5.74	34.32		27.070	100.1	0.972
700	5.32	34.35		27.145	93.0	1.077
800	4.99	34.37		27.199	87.8	1.176

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 90037

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
33 11.0N	118 22.5W	4/18/72	1233 GMT	1110M	280	10KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	15.14	33.496	5.65	0.28	1.	0.03	0.0	315.4
10	15.14	33.494	6.00	0.29	1.	0.05	0.0	315.6
31	14.89	33.483	6.14	0.34	2.	0.00	0.0	311.2
41	12.61	33.433	6.18	0.42	3.	0.01	0.1	270.3
52	11.81	33.452	5.50	0.73	6.	0.04	3.6	254.5
67	11.45	33.512	4.77	1.11	9.	0.04	7.6	243.7
81	10.85	33.602		1.34	13.	0.01	12.8	226.8
101	10.21	33.781	3.68	1.64	20.	0.03	18.1	203.0
127	9.70	33.944	3.39	1.89	26.	0.00	22.5	182.7
146	9.12	34.000		2.01	32.	0.03	27.6U	169.6
176	8.71	34.018	3.14	2.01	30.	0.02	22.7	162.1
205	8.50	34.079	2.74	2.24	37.	0.02	27.1	154.5
235	8.38	34.180	1.94	2.45	44.	0.00	30.7	145.2
274	8.19	34.237	1.07	2.68	49.	0.03	34.1	138.2
331	7.88	34.281	1.15	2.85	55.	0.03	36.6	130.6
405	7.04	34.263	0.89	2.96	64.	0.04	39.2	120.5
478	6.31	34.301	0.74	3.09	76.	0.04	41.2	108.4
557	5.87	34.332	0.58	3.19	83.	0.03	43.8	100.7

Z	T	S	O2	SIGT	DT	DD
0	15.14	33.496	5.65	24.804	315.4	0.000
10	15.14	33.494	6.00	24.803	315.6	0.032
20	15.02	33.491	6.07	24.824	313.5	0.063
30	14.90	33.485	6.13	24.846	311.4	0.094
50	11.87	33.448	5.65	25.429	256.0	0.151
75	11.12	33.561	4.44	25.655	234.4	0.213
100	10.24	33.773	3.70	25.975	204.1	0.268
125	9.74	33.936	3.40	26.186	184.0	0.317
150	9.04	34.005	3.28	26.353	168.1	0.362
200	8.53	34.067	2.83	26.482	155.8	0.445
250	8.31	34.209	1.55	26.627	142.1	0.521
300	8.07	34.264	1.11	26.706	134.6	0.593
400	7.10	34.265	0.91	26.847	121.2	0.726
500	6.15	34.311	0.70	27.011	105.7	0.846

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 90045

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
32 54.5N	118 55.5W	4/18/72	1634 GMT	1664M	310	22KT	1	310 12 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	14.44	33.47		24.935	303.0	0.000
10	14.41	33.48		24.949	301.6	0.030
20	14.32	33.46		24.952	301.3	0.060
30	12.61	33.40		25.252	272.8	0.089
50	10.95	33.50		25.639	236.0	0.140
75	10.27	33.63		25.859	215.1	0.197
100	9.62	33.77		26.077	194.3	0.249
125	9.42	33.89		26.203	182.3	0.296
150	9.13	34.00		26.336	169.7	0.341
200	8.84	34.11		26.468	157.2	0.424
250	8.07	34.14		26.610	143.7	0.502
300	7.78	34.19		26.692	135.9	0.574
400	6.89	34.23		26.849	121.0	0.708
500	6.18	34.28		26.983	108.3	0.829
600	5.63	34.33		27.092	98.0	0.939
700	5.14	34.37		27.182	89.5	1.041
800	4.67	34.40		27.259	82.1	1.135
1000	4.08	34.45		27.363	72.3	1.307

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 90053

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
32 39.0N	119 28.5W	4/18/72	2141 GMT	1202M	330	20KT	1	310 10 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.22	33.38		25.117	285.7	0.000
10	13.22	33.38		25.117	285.7	0.029
20	13.21	33.38		25.119	285.5	0.057
30	12.24	33.30		25.246	273.4	0.085
50	11.92	33.37		25.361	262.5	0.139
75	10.64	33.42		25.631	236.7	0.202
100	10.00	33.67		25.936	207.8	0.258
125	9.26	33.86		26.206	182.1	0.307
150	8.86	33.96		26.348	168.6	0.351
200	8.51	34.06		26.480	156.0	0.434
250	8.10	34.15		26.613	143.4	0.511
300	7.65	34.18		26.703	134.9	0.583
400	6.83	34.24		26.865	119.5	0.716
500	6.28	34.28		26.970	109.6	0.837
600	5.97	34.31		27.033	103.5	0.951
700	5.39	34.35		27.137	93.8	1.058
800	4.93	34.39		27.222	85.7	1.156
1000	4.11	34.45		27.360	72.6	1.332

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 90060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
32 25.0N	119 57.5W	4/19/72	0153 GMT	929M	340	22KT	0	310 15 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DC
0	13.80	33.37		24.991	297.6	0.000
10	13.80	33.37		24.991	297.6	0.030
20	13.81	33.38		24.997	297.1	0.060
30	13.80	33.38		24.999	296.9	0.089
50	13.12	33.40		25.152	282.3	0.147
75	10.79	33.49		25.659	234.0	0.212
100	9.56	33.64		25.986	203.0	0.267
125	9.24	33.83		26.186	184.0	0.316
150	8.99	33.93		26.304	172.8	0.362
200	8.18	33.98		26.468	157.2	0.446
250	7.70	34.11		26.641	140.8	0.522
300	7.15	34.13		26.735	131.9	0.592
400	6.81	34.22		26.852	120.7	0.724
500	6.25	34.28		26.974	109.2	0.84[illegible]
600	5.59	34.33		27.097	97.6	0.95[illegible]
700	5.12	34.37		27.184	89.3	1.0[illegible]
800	4.67	34.41		27.259	82.1	1.151

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 90070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
32 04.5N	120 38.5W	4/19/72	0729 GMT	3926M	340	18KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DC
0	13.97	33.07		24.725	322.9	0.000
10	13.97	33.07		24.725	322.9	0.032
20	13.97	33.08		24.733	322.2	0.065
30	13.97	33.08		24.733	322.2	0.097
50	13.28	33.04		24.842	311.8	0.160
75	12.07	33.02		25.062	290.9	0.236
100	11.17	33.12		25.305	267.8	0.307
125	10.78	33.27		25.490	250.1	0.372
150	9.98	33.43		25.752	225.2	0.432
200	8.96	33.85		26.246	178.3	0.535
250	7.68	33.97		26.505	153.7	0.620
300	7.32	33.99		26.601	144.6	0.696
400	6.03	34.04		26.813	124.5	0.836
500	5.33	34.14		26.978	108.8	0.958
600	4.81	34.25		27.125	94.9	1.066
700	4.62	34.36		27.233	84.6	1.163
800	4.29	34.39		27.293	78.9	1.252
1000	3.85	34.45		27.387	70.1	1.417

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 90070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
32 04.5N	120 38.5W	4/19/72	0829 GMT	3926M	340	18KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	13.95	33.129	6.19	0.37	2.	0.01	0.0	318.2
10	13.97	33.129	6.10	0.35	2.	0.01	0.1	318.6
29	13.97	33.133	5.94	0.37	1.	0.00	0.1	318.3
52	12.96	33.063	6.30	0.34	2.	0.00	0.0	304.1
66	12.61	33.077	6.38	0.41	3.	0.00	0.1	296.5
81	11.83	33.091	5.99	0.52	2.	0.06	0.1	281.4
95	11.07	33.074	6.10	0.65	4.	0.04	1.8	269.5
124	10.64	33.357	5.27	0.94	9.	0.01	7.9	241.4
146	9.78	33.507	4.59	1.33	15.	0.00	13.8	216.3
170	9.34	33.770	3.77	1.50	21.	0.00	17.0	190.0
202	8.55	33.956	3.46	1.84	31.	0.00	23.1	164.3
264	7.75	34.007	3.01	2.14	40.	0.00	27.2	149.2
357	6.40	34.039	2.03	2.59	59.	0.00	33.3	129.1
451	5.68	34.120	1.08	2.99	79.	0.01	39.8	114.3
578	5.02	34.245	0.48	3.27	94.	0.02	43.2	97.5
723	4.65	34.375	0.38	3.26	101.	0.00	43.5	83.8
866	4.15	34.431	0.51	3.29	102.	0.00	43.8	74.4
1069	3.64	34.378 U	0.78	3.21	103.	0.00	44.5	

Z	T	S	O2	SIGT	DT	DC
0	13.95	33.129	6.19	24.775	318.2	0.000
10	13.97	33.129	6.10	24.771	318.6	0.032
20	13.97	33.133	5.99	24.772	318.5	0.064
30	13.93	33.132	5.95	24.779	317.8	0.096
50	13.06	33.070	6.26	24.908	305.6	0.158
75	12.17	33.089	6.14	25.095	287.7	0.233
100	10.97	33.114	6.01	25.334	265.0	0.302
125	10.60	33.365	5.24	25.594	240.3	0.366
150	9.69	33.553	4.44	25.894	211.7	0.423
200	8.60	33.950	3.47	26.380	165.6	0.519
250	7.89	34.000	3.11	26.527	151.6	0.600
300	7.23	34.018	2.65	26.634	141.4	0.676
400	6.02	34.074	1.57	26.841	121.9	0.813
500	5.39	34.169	0.77	26.993	107.4	0.933
600	4.96	34.269	0.46	27.123	95.1	1.040
700	4.70	34.358	0.40	27.222	85.6	1.138
800	4.38	34.412	0.43	27.300	78.3	1.227
1000	3.79	34.460	0.68	27.401	68.7	1.391

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 90080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 45.0N	121 19.0W	4/19/72	1302 GMT	3737M	310	16KT	1	310 10 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DC
0	14.43	33.36		24.852	310.9	0.000
10	14.42	33.36		24.854	310.6	0.031
20	14.43	33.36		24.852	310.9	0.062
30	14.43	33.36		24.852	310.9	0.093
50	14.44	33.36		24.850	311.1	0.156
75	13.95	33.28		24.891	307.2	0.233
100	13.17	33.30		25.065	290.6	0.309
125	12.30	33.29		25.227	275.2	0.380
150	10.76	33.38		25.579	241.7	0.446
200	9.38	33.77		26.116	190.6	0.555
250	8.47	33.96		26.424	161.4	0.645
300	7.95	34.05		26.557	148.7	0.725
400	6.99	34.21		26.820	123.6	0.867
500	6.45	34.26		26.932	113.2	0.992
600	5.79	34.32		27.064	100.7	1.107
700	5.33	34.36		27.152	92.4	1.211
800	4.67	34.38		27.244	83.6	1.308
1000	4.01	34.44		27.362	72.4	1.481

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 90090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 24.0N	122 01.0W	4/19/72	1842 GMT	3926M	340	18KT	1	340 10 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.72	33.20		24.877	308.5	0.000
10	13.71	33.20		24.879	308.3	0.031
20	13.71	33.20		24.879	308.3	0.062
30	13.71	33.20		24.879	308.3	0.093
50	13.69	33.21		24.891	307.2	0.154
75	13.33	33.35		25.071	290.0	0.229
100	12.13	33.29		25.259	272.1	0.300
125	11.10	33.37		25.511	248.1	0.366
150	10.18	33.71		25.936	207.7	0.424
200	9.00	33.94		26.310	172.2	0.520
250	8.28	34.01		26.476	156.4	0.605
300	7.53	34.08		26.642	140.7	0.681
400	6.65	34.19		26.850	120.9	0.817
500	5.65	34.18		26.971	109.5	0.939
600	5.17	34.25		27.084	98.8	1.049
700	4.89	34.36		27.203	87.5	1.150
800	4.62	34.39		27.257	82.3	1.243
1000	4.01	34.48		27.394	69.4	1.412

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 90100

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 05.0N	122 39.0W	4/19/72	2353 GMT	4308M	360	16KT	1	350 10 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.86	32.99		24.686	326.7	0.000
10	13.87	32.99		24.684	326.9	0.033
20	13.85	33.00		24.696	325.7	0.065
30	13.78	33.00		24.710	324.4	0.098
50	13.36	33.11		24.880	308.2	0.161
75	12.35	33.04		25.024	294.5	0.237
100	12.17	33.25		25.221	275.8	0.309
125	10.80	33.24		25.464	252.7	0.376
150	10.02	33.65		25.917	209.6	0.434
200	8.85	33.87		26.279	175.2	0.532
250	8.10	33.97		26.472	156.8	0.617
300	7.33	34.00		26.608	144.0	0.694
400	6.15	34.09		26.837	122.2	0.832
500	5.42	34.17		26.991	107.6	0.953
600	5.07	34.28		27.119	95.5	1.061
700	4.64	34.35		27.223	85.6	1.159
800	4.38	34.40		27.291	79.1	1.248
1000	3.76	34.47		27.412	67.7	1.412

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 90120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
30 25.0N	124 00.0W	4/20/72	0855 GMT	4116M	270	8KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	15.71	33.46		24.651	330.0	0.000
10	15.71	33.47		24.658	329.3	0.033
20	15.71	33.47		24.658	329.3	0.066
30	15.71	33.47		24.658	329.3	0.099
50	15.71	33.48		24.666	328.6	0.165
75	14.72	33.49		24.890	307.2	0.245
100	14.53	33.62		25.031	293.8	0.321
125	13.25	33.51		25.211	276.7	0.393
150	12.05	33.44		25.391	259.6	0.461
200	10.17	33.66		25.899	211.3	0.580
250	8.79	33.93		26.335	169.8	0.678
300	7.93	34.02		26.537	150.7	0.760
400	6.53	34.06		26.764	129.1	0.905
500	5.75	34.18		26.959	110.7	1.031
600	5.13	34.25		27.088	98.4	1.142
700	4.88	34.35		27.196	88.1	1.243
800	4.46	34.40		27.283	79.9	1.335
1000	3.75	34.47		27.413	67.6	1.499

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 90120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
30 25.0N	124 00.0W	4/20/72	1027 GMT	4116M	270	8KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1	15.67		5.84	0.27	1.	0.01	0.0	
11	15.68		5.84	0.26	1.	0.00	0.0	
31	15.69		5.89	0.26	1.	0.01	0.0	
55	15.67		5.89	0.25	1.	0.01	0.0	
70	15.68		5.85	0.25	2.	0.01	0.0	
85	14.81		6.02	0.24	1.	0.01	0.1	
100	14.56		6.00	0.44U	2.	0.01	0.0	
129	13.67		5.81	0.39	3.	0.02	0.1	
155	12.34		5.59	0.52	4.	0.02	2.6	
178	11.06		5.27	0.77	9.	0.01	7.1	
212	9.92		4.77	1.16	15.	0.01	12.3	
277	8.46		3.54	1.81	32.	0.01	23.1	
374	7.00		1.94	2.54	56.	0.01	33.7	
472	5.97		0.93	2.99	75.	0.00	40.0	
603	5.12		0.50	3.16	92.	0.02	42.4	
754	4.65		0.37	3.30	101.	0.01	45.4	
900	4.11		0.51	3.33	103.	0.02	44.8	
1105	3.58		0.77	3.25	104.	0.00	44.5	

Z	T	S	O2	SIGT	DT	DD
0	15.67		5.84			
10	15.68		5.84			
20	15.69		5.86			
30	15.69		5.89			
50	15.67		5.89			
75	15.40		5.91			
100	14.56		6.00			
125	13.83		5.84			
150	12.62		5.64			
200	10.26		4.95			
250	8.99		4.07			
300	8.06		3.12			
400	6.69		1.61			
500	5.75		0.78			
600	5.13		0.50			
700	4.79		0.42			
800	4.48		0.40			
1000	3.82		0.63			

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 90140

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
29 45.0N	125 20.0W	4/20/72	1819 GMT	4498M	020	7KT	1	360 5 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	15.67	33.49		24.683	327.0	0.000
10	15.67	33.50		24.690	326.3	0.033
20	15.66	33.50		24.692	326.0	0.065
30	15.65	33.50		24.695	325.8	0.098
50	15.63	33.50		24.699	325.4	0.163
75	14.14	33.34		24.898	306.5	0.243
100	12.42	33.24		25.165	281.0	0.317
125	10.65	33.39		25.606	239.1	0.382
150	9.53	33.68		26.022	199.6	0.438
200	8.84	33.91		26.312	172.0	0.533
250	7.94	33.97		26.496	154.6	0.616
300	7.06	34.01		26.653	139.6	0.692
400	5.97	34.09		26.860	120.0	0.827
500	5.42	34.17		26.991	107.6	0.946
600	5.11	34.30		27.130	94.4	1.053
700	4.66	34.37		27.237	84.3	1.150
800	4.41	34.43		27.312	77.2	1.238
1000	3.82	34.49		27.421	66.8	1.399

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 93030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
32 54.0N	117 31.0W	4/18/72	0130 GMT	833M	250	7KT	2	340 6 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0A	15.13	33.41		24.740	321.5	0.000
10	13.98	33.39		24.970	299.7	0.031
20	12.03	33.41		25.371	261.5	0.059
30	11.24	33.45		25.548	244.6	0.085
50	10.50	33.60		25.796	221.1	0.131
75	9.91	33.88		26.114	190.8	0.183
100	9.56	33.92		26.204	182.3	0.230
125	9.36	34.09		26.369	166.6	0.274
150	9.29	34.16		26.435	160.3	0.316
200	9.10	34.22		26.513	153.0	0.396
250	8.71	34.25		26.598	144.9	0.473
300	8.55	34.27		26.638	141.0	0.547
400	7.77	34.27		26.756	129.9	0.688
500	6.83	34.28		26.897	116.5	0.818

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 94030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
32 43.0N	117 27.0W	4/11/72	1929 GMT	556M	270	10KT	2	260 2 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0A	15.88	33.45		24.605	334.4	0.000
10	10.83	33.43		25.606	239.1	0.029
20	10.44	33.59		25.798	220.8	0.052
30	10.28	33.66		25.880	213.1	0.073
50	10.02	33.82		26.049	197.0	0.115
75	9.69	33.93		26.190	183.6	0.163
100	9.41	33.99		26.283	174.8	0.208
125	9.23	34.04		26.351	168.3	0.251
150	9.27	34.13		26.415	162.2	0.293
200	8.86	34.20		26.535	150.8	0.373
250	8.88	34.23		26.555	148.9	0.450
300	8.40	34.23		26.630	141.8	0.525
400	7.34	34.22		26.779	127.7	0.666
500	6.61	34.21		26.872	118.9	0.796

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 94030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
32 43.0N	117 27.0W	4/11/72	2037 GMT	556M	270	10KT	2	260 2 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1A	15.94	33.544	6.43					328.8
11	13.55	33.516	7.76					282.0
21	10.95	33.586	4.64					229.7
31	10.44		4.31					
42	10.34	33.697	4.06					211.3
52	10.19	33.761	3.96					204.1
62	9.99	33.859	3.66					193.6
73	9.90	33.895	3.39					189.5
83	9.75	33.963	3.31					182.1
93	9.60	34.008	3.15					176.4
104	9.53	34.008	3.22					175.3
114	9.48	34.005	3.21					174.7
125	9.29	34.019	3.11					170.8
135	9.25	34.060	3.01					167.1
146	9.27	34.107	2.66					163.9
156	9.28	34.135	2.64					162.0
166	9.29	34.155	2.45					160.7
178	9.13	34.171	2.43					157.0

Z	T	S	O2	SIGT	DT	DD
0	15.94	33.544	6.43	24.663	328.8	0.000
10	13.80	33.516	7.63	25.103	287.0	0.031
20	11.17	33.574	4.99	25.656	234.4	0.057
30	10.49	33.590	4.34	25.788	221.8	0.080
50	10.22	33.749	3.98	25.958	205.6	0.123
75	9.87	33.910	3.37	26.143	188.1	0.172
100	9.55	34.008	3.18	26.273	175.7	0.218
125	9.29	34.019	3.11	26.325	170.8	0.262
150	9.27	34.121	2.65	26.406	163.1	0.304

A) A SHAKEDOWN STATION.

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 40.5N	116 46.5W	5/ 5/72	0722 GMT	427M	310	10KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	16.98	33.58		24.451	349.0	0.000
10	16.89	33.58		24.472	347.0	0.035
20	12.53	33.52		25.361	262.5	0.065
30	11.14	33.57		25.659	234.1	0.090
50	10.44	33.67		25.860	214.9	0.135
75	9.96	33.88		26.106	191.6	0.186
100	9.88	33.99		26.205	182.2	0.234
125	9.84	34.04		26.251	177.8	0.279
150	9.72	34.10		26.317	171.5	0.324
200	9.23	34.27		26.531	151.2	0.406
250	8.90	34.32		26.623	142.5	0.482
300	8.58	34.34		26.689	136.3	0.554

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100035

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 27.5N	117 07.0W	5/ 5/72	0346 GMT	1202M	290	10KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	17.08	33.57		24.420	352.0	0.000
10	17.08	33.57		24.420	352.0	0.035
20	13.53	33.59		25.216	276.2	0.067
30	11.62	33.67		25.649	235.0	0.092
50	10.13	33.78		25.999	201.7	0.136
75	9.73	33.91		26.168	185.7	0.185
100	9.46	33.99		26.275	175.5	0.230
125	9.68	34.14		26.355	167.9	0.274
150	9.04	34.14		26.460	158.0	0.315
200	9.18	34.35		26.601	144.6	0.393
250	8.87	34.38		26.674	137.6	0.465
300	8.38	34.36		26.735	131.8	0.535
400	7.35	34.34		26.872	118.9	0.667
500	6.31	34.33		27.006	106.2	0.786
600	5.60	34.38		27.135	93.9	0.893
700	5.08	34.42		27.229	85.1	0.991
800	4.94	34.45		27.268	81.3	1.082
1000	4.28	34.49		27.373	71.3	1.254

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 22.5N	117 26.5W	5/ 4/72	2337 GMT	1756M	300	9KT	2	280 1 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	17.11	33.56		24.405	353.4	0.000
10	16.88	33.52		24.429	351.2	0.035
20	15.33	33.46		24.735	322.0	0.069
30	14.34	33.42		24.917	304.6	0.100
50	12.13	33.40		25.344	264.0	0.157
75	10.65	33.67		25.824	218.4	0.218
100	10.09	33.84		26.053	196.6	0.270
125	9.72	33.99		26.232	179.6	0.318
150	9.59	34.18		26.401	163.5	0.362
200	9.49	34.33		26.535	150.8	0.442
250	8.99	34.37		26.647	140.2	0.517
300	8.48	34.38		26.735	131.8	0.588
400	7.64	34.36		26.846	121.4	0.720
500	6.72	34.35		26.967	109.9	0.843
600	5.91	34.37		27.088	98.3	0.955
700	5.41	34.41		27.181	89.5	1.057
800	4.97	34.43		27.249	83.1	1.152
1000	4.19	34.51		27.399	68.9	1.323

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 22.5N	117 26.5W	5/ 5/72	0105 GMT	1756M	300	9KT	2	280 1 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
2	17.11	33.565	6.21	0.24	2.	0.00	0.0	353.0
12	16.89	33.552	6.62	0.28	2.	0.00	0.0	349.0
32	13.83	33.461	6.67	0.25	2.	0.00	0.0	291.5
56	11.34	33.528	4.98	0.96	10.	0.11	6.2	240.6
71	10.82	33.626	4.45	1.26	14.	0.06	10.8	224.5
85	10.30	33.746	3.92	1.48	18.	0.02	14.4	207.0
100	10.10	33.822	3.58	1.61	23.	0.01	16.2	198.1
129	9.59	33.990	3.14	1.87	28.	0.01	20.0	177.6
154	9.64	34.177	2.15	2.24	35.	0.00	25.4	164.5
178	9.64	34.244	1.76	2.37	38.	0.00	27.6	159.6
212	9.34	34.314	1.38	2.55	42.	0.00	28.8	149.7
275	8.82	34.377	0.89	2.78	50.	0.00	31.3	137.1
372	8.12	34.377	0.69	2.92	57.	0.00	36.5	126.8
466	7.26	34.340	0.62	3.01	66.	0.00	37.0	117.7
596	5.85	34.361	0.44	3.21	86.	0.00	40.3	98.3
743	5.20	34.407	0.47	3.31	99.	0.01	44.5	87.4
888	4.52	34.453	0.55	3.32	112.	0.00	44.3	76.6
1092	3.90	34.498	0.81	3.29	127.	0.00	44.2	66.9

Z	T	S	O2	SIGT	DT	DD
0	17.11	33.565	6.21	24.409	353.0	0.000
10	16.93	33.556	6.56	24.443	349.8	0.035
20	15.82	33.506	6.64	24.660	329.2	0.069
30	14.19	33.467	6.67	24.982	298.4	0.101
50	11.81	33.500	5.44	25.482	251.0	0.156
75	10.66	33.663	4.29	25.816	219.2	0.215
100	10.10	33.822	3.58	26.037	198.1	0.267
125	9.65	33.966	3.21	26.224	180.4	0.315
150	9.63	34.154	2.31	26.373	166.2	0.359
200	9.47	34.293	1.50	26.510	153.2	0.441
250	9.02	34.361	1.05	26.635	141.4	0.517
300	8.64	34.385	0.84	26.714	133.9	0.588
400	7.88	34.366	0.67	26.815	124.3	0.724
500	6.87	34.340	0.57	26.938	112.6	0.849
600	5.83	34.363	0.44	27.093	97.9	0.962
700	5.34	34.394	0.46	27.177	90.0	1.064
800	4.92	34.426	0.49	27.251	82.9	1.159
1000	4.13	34.482	0.67	27.382	70.5	1.331

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 01.0N	118 06.0W	5/ 4/72	1837 GMT	1763M	300	6KT	2	290 2 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.67	33.58		24.752	320.4	0.000
									10	15.64	33.58		24.758	319.8	0.032
									20	15.53	33.57		24.775	318.2	0.064
									30	15.28	33.54		24.807	315.1	0.096
									50	14.90	33.49		24.852	310.9	0.159
									75	13.27	33.43		25.145	283.0	0.233
									100	11.87	33.52		25.486	250.5	0.300
									125	10.61	33.62		25.792	221.4	0.360
									150	10.07	33.80		26.025	199.3	0.413
									200	9.23	34.00		26.320	171.3	0.508
									250	8.51	34.09		26.504	153.8	0.591
									300	7.76	34.17		26.679	137.2	0.666
									400	6.74	34.26		26.893	116.8	0.799
									500	6.07	34.29		27.005	106.3	0.917
									600	5.55	34.35		27.117	95.6	1.025
									700	5.16	34.41		27.211	86.7	1.124
									800	4.75	34.45		27.290	79.2	1.215
									1000	4.00	34.52		27.427	66.3	1.378

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
30 40.5N	118 47.5W	5/ 4/72	1339 GMT	3075M	290	9KT	2	290 1 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.00	33.68		24.754	320.2	0.000
									10	16.00	33.68		24.754	320.2	0.032
									20	15.90	33.65		24.754	320.2	0.064
									30	15.87	33.64		24.753	320.3	0.096
									50	13.41	33.24		24.971	299.6	0.158
									75	12.30	33.30		25.235	274.4	0.231
									100	11.23	33.40		25.511	248.2	0.296
									125	10.50	33.50		25.718	228.5	0.357
									150	9.63	33.75		26.060	196.0	0.410
									200	8.68	33.99		26.399	163.7	0.502
									250	7.85	34.03		26.556	148.8	0.582
									300	7.25	34.09		26.690	136.2	0.655
									400	6.31	34.18		26.887	117.4	0.787
									500	5.69	34.26		27.029	104.0	0.904
									600	5.41	34.35		27.134	94.0	1.010
									700	4.99	34.41		27.231	84.8	1.107
									800	4.59	34.44		27.300	78.3	1.196
									1000	4.00	34.49		27.403	68.5	1.361

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
30 20.5N	119 27.0W	5/ 4/72	0618 GMT	3737M	280	7KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.31	33.51		24.778	317.9	0.000
									10	15.27	33.52		24.794	316.4	0.032
									20	15.16	33.50		24.803	315.5	0.063
									30	15.04	33.49		24.821	313.8	0.095
									50	14.94	33.51		24.858	310.3	0.158
									75	12.20	33.31		25.262	271.9	0.231
									100	10.58	33.48		25.688	231.3	0.294
									125	9.63	33.75		26.060	196.0	0.348
									150	9.18	33.88		26.234	179.4	0.396
									200	8.29	34.00		26.467	157.3	0.481
									250	7.59	34.04		26.602	144.5	0.559
									300	6.92	34.07		26.720	133.3	0.630
									400	5.89	34.13		26.902	116.1	0.760
									500	5.56	34.25		27.037	103.2	0.875
									600	5.42	34.39		27.165	91.1	0.979
									700	4.97	34.41		27.233	84.6	1.075
									800	4.54	34.44		27.306	77.8	1.164
									1000	3.91	34.51		27.428	66.1	1.325

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
30 00.0N	120 07.0W	5/ 4/72	0047 GMT	4212M	290	11KT	2	320 2 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.68	33.24		24.707	324.7	0.000
									10	14.68	33.24		24.707	324.7	0.032
									20	14.21	33.17		24.752	320.4	0.065
									30	14.12	33.22		24.810	314.9	0.097
									50	13.83	33.20		24.854	310.7	0.159
									75	13.42	33.25		24.976	299.0	0.236
									100	11.92	33.20		25.229	275.0	0.308
									125	10.50	33.38		25.625	237.4	0.373
									150	10.14	33.63		25.881	213.0	0.430
									200	8.89	33.92		26.312	172.0	0.528
									250	8.00	34.01		26.518	152.4	0.611
									300	7.34	34.03		26.630	141.9	0.687
									400	6.05	34.10		26.858	120.2	0.823
									500	5.44	34.21		27.020	104.8	0.941
									600	5.12	34.34		27.161	91.5	1.046
									700	4.78	34.40		27.247	83.3	1.140
									800	4.48	34.44		27.312	77.1	1.228
									1000	3.92	34.50		27.419	67.0	1.390

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
30 00.0N	120 07.0W	5/ 4/72	0210 GMT	4212M	290	11KT	2	320 2 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	14.44	33.241	6.21	0.41	2.	0.01	0.0	319.8	0	14.44	33.241	6.21	24.759	319.8	0.000
11	14.46	33.252	6.22	0.36	2.	0.01	0.0	319.4	10	14.46	33.253	6.22	24.762	319.4	0.032
31	14.50	33.309	6.21	0.43	2.	0.01	0.0	316.0	20	14.48	33.275	6.22	24.775	318.2	0.064
56	13.82	33.220	6.32	0.46	2.	0.00	0.0	309.0	30	14.50	33.307	6.21	24.796	316.2	0.096
72	12.91	33.086	6.49	0.37	3.	0.00	0.0	301.4	50	14.06	33.258	6.28	24.850	311.1	0.159
86	12.53	33.175	6.28	0.42	3.	0.02	0.0	287.8	75	12.84	33.104	6.46	24.977	299.0	0.235
102	11.24	33.168	6.05	0.65	5.	0.00	4.4	265.5	100	11.41	33.171	6.08	25.299	268.3	0.307
132	10.40	33.390	5.27	1.05	11.	0.00	10.6	235.0	125	10.49	33.322	5.46	25.580	241.6	0.371
155	10.02	33.661	4.79	1.21	14.	0.00	14.5	208.8	150	10.10	33.607	4.89	25.868	214.3	0.429
181	9.26	33.783	4.16	1.61	21.	0.00	21.5	187.8	200	8.99	33.877	3.97	26.262	176.7	0.528
215	8.83	33.939	3.88	1.65	27.	0.00	22.1	169.7	250	8.25	33.997	3.43	26.470	157.0	0.614
279	7.74	34.007	3.00	2.17	41.	0.00	28.3	149.0	300	7.41	34.019	2.70	26.610	143.8	0.691
375	6.43	34.059	1.69	2.74	63.	0.00	37.2	127.9	400	6.19	34.089	1.39	26.831	122.8	0.830
473	5.65	34.181	0.69	3.10	81.	0.00	41.7	109.4	500	5.51	34.212	0.62	27.011	105.6	0.949
603	5.12	34.308 A	0.35	3.25	96.	0.00	43.8	93.9	600	5.13	34.306	0.36	27.132	94.2	1.056
752	4.57	34.411	0.44	3.37	105.	0.00	45.7	80.3	700	4.75	34.382	0.41	27.235	84.4	1.152
899	4.15	34.457	0.53	3.42	117.	0.00	45.1	72.5	800	4.42	34.430	0.47	27.310	77.3	1.241
1108	3.66	34.503	0.75	3.33	129.	0.00	44.6	64.3	1000	3.90	34.483	0.62	27.407	68.1	1.403

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
29 40.5N	120 47.0W	5/ 3/72	1900 GMT	3926M	280	10KT	2	270 2 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.00	33.65		24.731	322.4	0.000
									10	15.97	33.65		24.738	321.7	0.032
									20	15.90	33.65		24.754	320.2	0.064
									30	15.85	33.66		24.773	318.4	0.096
									50	15.77	33.67		24.798	316.0	0.160
									75	15.73	33.68		24.815	314.4	0.239
									100	15.22	33.70		24.943	302.2	0.317
									125	14.12	33.66		25.148	282.7	0.391
									150	12.17	33.53		25.437	255.2	0.459
									200	10.05	33.71		25.958	205.6	0.576
									250	8.90	33.95		26.334	170.0	0.672
									300	7.77	33.99		26.537	150.7	0.755
									400	6.63	34.11		26.790	126.6	0.899
									500	5.82	34.19		26.958	110.7	1.024
									600	5.19	34.29		27.113	96.0	1.134
									700	4.82	34.38		27.227	85.2	1.232
									800	4.46	34.44		27.314	76.9	1.320
									1000	3.92	34.50		27.419	67.0	1.481

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100100

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
29 20.0N	121 26.5W	5/ 3/72	1405 GMT	4068M	270	6KT	2	320 2 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DC
									0	15.56	33.48		24.699	325.4	0.000
									10	15.36	33.48		24.744	321.2	0.032
									20	15.26	33.49		24.773	318.3	0.064
									30	15.37	33.57		24.810	314.8	0.096
									50	15.45	33.62		24.831	312.8	0.159
									75	14.58	33.51		24.936	302.9	0.236
									100	14.13	33.52		25.038	293.1	0.312
									125	12.52	33.35		25.231	274.8	0.383
									150	11.50	33.42		25.477	251.4	0.450
									200	9.89	33.78		26.040	197.9	0.564
									250	8.90	33.99		26.365	167.0	0.657
									300	8.00	34.05		26.550	149.4	0.739
									400	6.83	34.17		26.810	124.7	0.882
									500	5.86	34.22		26.976	109.0	1.005
									600	5.34	34.32		27.119	95.5	1.114
									700	4.98	34.39		27.216	86.2	1.212
									800	4.60	34.44		27.299	78.4	1.302
									1000	3.96	34.49		27.407	68.1	1.466

A) AN ERROR OF -0.05 IN CONDUCTIVITY RATIO, 1.95 PPT, HAS BEEN ASSUMED FOR THIS VALUE.

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
28 40.5N	122 46.0W	5/ 3/72	0524 GMT	4116M	060	6KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.35	33.66		24.659	329.2	0.000
									10	16.33	33.72		24.709	324.4	0.033
									20	16.20	33.71		24.732	322.3	0.065
									30	16.14	33.71		24.745	321.0	0.097
									50	16.09	33.71		24.757	319.9	0.162
									75	15.88	33.67		24.773	318.3	0.242
									100	14.03	33.52		25.059	291.1	0.319
									125	11.86	33.45		25.434	255.5	0.388
									150	10.73	33.62		25.771	223.4	0.448
									200	9.29	33.92		26.248	178.1	0.551
									250	8.67	34.06		26.456	158.4	0.637
									300	8.21	34.23		26.659	139.0	0.714
									400	7.28	34.30		26.850	120.9	0.849
									500	6.49	34.34		26.990	107.7	0.971
									600	5.74	34.38		27.117	95.6	1.080
									700	5.32	34.42		27.200	87.7	1.179
									800	4.82	34.45		27.282	80.0	1.272
									1000	4.02	34.50		27.409	68.0	1.438

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
28 40.5N	122 46.0W	5/ 3/72	0638 GMT	4116M	060	6KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	16.37	33.689	5.89	0.37	1.	0.01	0.0	327.6	0	16.37	33.689	5.89	24.676	327.6	0.000
10	16.31	33.704	5.91	0.29	1.	0.01	0.0	325.2	10	16.31	33.704	5.91	24.702	325.2	0.033
30	16.05	33.682	5.99	0.29	1.	0.01	0.0	321.1	20	16.18	33.698	5.95	24.726	322.9	0.065
55	16.05	33.684	5.94	0.29	1.	0.00	0.0	321.0	30	16.05	33.682	5.99	24.744	321.1	0.097
70	15.85	33.656	5.97	0.29	1.	0.00	0.0	318.7	50	16.05	33.685	5.95	24.745	321.0	0.162
85	15.42	33.601	6.04	0.29	1.	0.00	0.0	313.6	75	15.77	33.643	6.00	24.776	318.1	0.242
100	14.07	33.519	5.95	0.37	2.	0.01	0.0	292.0	100	14.07	33.519	5.95	25.050	292.0	0.319
129	11.66	33.536	4.69	1.08	9.	0.01	9.6	245.6	125	11.94	33.525	4.88	25.476	251.5	0.387
154	10.75	33.628	4.43	1.25	13.	0.00	12.7	223.2	150	10.86	33.612	4.45	25.740	226.4	0.448
179	9.75	33.786	3.90	1.59	20.	0.00	19.8	195.2	200	9.31	33.882	3.71	26.213	181.4	0.552
213	9.15	33.926	3.63	1.78	26.	0.00	21.9	175.5	250	8.79	34.034	3.05	26.415	162.2	0.640
277	8.61	34.092	2.56	2.22	38.	0.00	27.3	155.1	300	8.40	34.139	2.15	26.559	148.6	0.720
375	7.70	34.249	1.04	2.81	55.	0.00	36.9	130.5	400	7.47	34.271	0.84	26.799	125.8	0.863
474	6.81	34.310	0.50	3.10	69.	0.00	41.4	114.0	500	6.57	34.323	0.46	26.966	110.0	0.988
604	5.69	34.367	0.32	3.31	87.	0.00	44.7	96.0	600	5.72	34.366	0.33	27.108	96.4	1.099
755	4.94	34.422	0.41	3.34	102.	0.00	45.2	83.4	700	5.18	34.405	0.38	27.205	87.3	1.198
903	4.27	34.453	0.56	3.32	114.	0.00	45.0	74.0	800	4.72	34.433	0.45	27.279	80.3	1.290
1109	3.66	34.507	0.83	3.32	132.	0.00	44.4	64.0	1000	3.94	34.478	0.68	27.400	68.8	1.457

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 100140

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
28 00.0N	124 04.0W	5/ 2/72	2103 GMT	4507M	310	1KT	1	360 2 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.58	33.68		24.621	332.8	0.000
									10	16.13	33.67		24.717	323.7	0.033
									20	16.08	33.68		24.736	321.9	0.065
									30	16.02	33.67		24.742	321.3	0.097
									50	15.92	33.65		24.749	320.6	0.162
									75	14.95	33.49		24.841	311.9	0.241
									100	14.07	33.40		24.959	300.7	0.319
									125	13.19	33.39		25.130	284.4	0.392
									150	11.96	33.49		25.446	254.3	0.461
									200	9.93	33.68		25.955	205.9	0.578
									250	8.76	33.99		26.387	164.9	0.672
									300	8.14	34.12		26.584	146.2	0.753
									400	7.33	34.23		26.788	126.8	0.895
									500	6.66	34.32		26.951	111.3	1.021
									600	5.86	34.37		27.095	97.8	1.133
									700	5.25	34.43		27.216	86.2	1.233
									800	4.74	34.42		27.267	81.4	1.325
									1000	4.00	34.50		27.411	67.8	1.492

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 110035

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
29 46.0N	116 00.0W	5/ 9/72	1340 GMT	1114M	340	19KT	2	310 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.09	33.43		25.181	279.5	0.000
									10	13.08	33.44		25.191	278.6	0.028
									20	12.99	33.47		25.232	274.7	0.056
									30	12.19	33.43		25.356	262.9	0.083
									50	10.69	33.55		25.724	227.9	0.132
									75	9.93	33.75		26.010	200.7	0.186
									100	10.20	34.03		26.182	184.4	0.234
									125	10.07	34.18		26.321	171.2	0.279
									150	9.85	34.22		26.389	164.7	0.322
									200	9.63	34.33		26.512	153.0	0.403
									250	9.31	34.36		26.588	145.8	0.480
									300	8.98	34.45		26.711	134.1	0.553
									400	7.79	34.39		26.847	121.2	0.687
									500	6.98	34.38		26.955	111.0	0.810
									600	6.17	34.38		27.063	100.7	0.924
									700	5.49	34.40		27.164	91.2	1.029
									800	4.79	34.43		27.270	81.2	1.123
									1000	3.87	34.50		27.424	66.5	1.289

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 110040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
29 37.0N	116 20.0W	5/ 9/72	1653 GMT	2227M	310	22KT	2	310 6 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	16.03	33.61		24.694	325.9	0.000
10	16.01	33.61		24.698	325.5	0.033
20	16.01	33.61		24.698	325.5	0.065
30	16.00	33.61		24.700	325.3	0.098
50	15.94	33.61		24.714	324.0	0.163
75	13.59	33.45		25.096	287.7	0.240
100	11.51	33.51		25.545	244.9	0.307
125	10.31	33.60		25.829	218.0	0.365
150	9.61	33.83		26.125	189.7	0.417
200	8.68	34.00		26.407	163.0	0.507
250	8.28	34.13		26.570	147.5	0.587
300	8.12	34.25		26.688	136.3	0.660
400	7.52	34.34		26.847	121.2	0.795
500	6.75	34.35		26.963	110.3	0.917
600	5.97	34.37		27.081	99.1	1.030
700	5.39	34.39		27.168	90.8	1.133
800	4.92	34.42		27.247	83.3	1.229
1000	4.08	34.47		27.379	70.8	1.401

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 110040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
29 37.0N	116 20.0W	5/ 9/72	1808 GMT	2227M	310	22KT	2	310 6 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	16.03	33.640	5.94	0.27	1.	0.01	0.0	323.7
10	16.03	33.640	6.05	0.24	1.	0.01	0.0	323.7
30	16.02	33.636	5.96	0.27	1.	0.00	0.0	323.8
55	15.81	33.614	5.97	0.30	1.	0.00	0.0	320.9
70	14.22	33.486	6.07	0.29	1.	0.00	0.0	297.4
85	12.73	33.469	5.54	0.58	5.	0.10	1.9	269.9
100	11.86	33.512	5.07	0.85	8.	0.05	6.5	250.9
130	10.31	33.636	4.48	1.30	16.	0.00	14.9	215.3
154	9.66	33.848	3.73	1.62	24.	0.00	18.0	189.2
179	9.16	33.958	3.50	1.76	28.	0.01	20.1	173.3
213	8.34	34.025	2.44	2.05	37.	0.01	24.2	156.2
276	8.29	34.229	1.47	2.57	49.	0.01	32.7	140.3
372	7.75	34.347	0.60	2.92	60.	0.01	35.8	123.8
467	7.14	34.355	0.44	3.04	67.	0.01	37.3	115.0
595	6.08	34.380	0.15	3.19	82.	0.01	40.3	99.6
743	5.14	34.426	0.37	3.30	102.	0.01	43.3	85.3
886	4.41	34.465	0.51	3.33	115.	0.01	43.8	74.5
1093	3.77	34.509	0.76	3.27	130.	0.00	43.0	64.9

Z	T	S	O2	SIGT	DT	DD
0	16.03	33.640	5.94	24.717	323.7	0.000
10	16.03	33.640	6.05	24.717	323.7	0.032
20	16.03	33.640	6.03	24.716	323.8	0.065
30	16.02	33.636	5.96	24.716	323.8	0.097
50	15.85	33.620	5.97	24.740	321.5	0.162
75	13.68	33.472	5.92	25.092	288.0	0.239
100	11.86	33.512	5.07	25.482	250.9	0.307
125	10.53	33.610	4.58	25.796	221.0	0.366
150	9.74	33.815	3.85	26.090	193.1	0.419
200	8.63	34.004	2.87	26.417	162.1	0.509
250	8.31	34.166	1.77	26.593	145.3	0.588
300	8.18	34.275	1.18	26.698	135.4	0.661
400	7.58	34.355	0.55	26.850	121.0	0.795
500	6.87	34.360	0.35	26.954	111.1	0.918
600	6.04	34.382	0.15	27.080	99.1	1.031
700	5.39	34.413	0.28	27.186	89.1	1.133
800	4.82	34.443	0.43	27.275	80.6	1.227
1000	4.00	34.493	0.64	27.405	68.3	1.393

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 110050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
29 16.5N	116 59.0W	5/ 9/72	2342 GMT	3926M	320	22KT	1	310 8 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	16.08	33.57		24.652	329.9	0.000
10	16.03	33.58		24.671	328.1	0.033
20	16.03	33.59		24.678	327.4	0.066
30	16.01	33.59		24.683	327.0	0.099
50	15.96	33.59		24.694	325.9	0.164
75	14.25	33.40		24.921	304.3	0.243
100	13.22	33.31		25.063	290.8	0.318
125	11.52	33.44		25.489	250.2	0.387
150	10.69	33.58		25.747	225.7	0.447
200	10.04	33.92		26.124	189.9	0.553
250	8.67	33.97		26.385	165.1	0.643
300	8.01	34.05		26.548	149.6	0.725
400	7.23	34.21		26.787	127.0	0.869
500	6.48	34.29		26.952	111.3	0.994
600	5.71	34.33		27.082	99.0	1.107
700	5.23	34.37		27.171	90.5	1.210
800	4.89	34.41		27.242	83.7	1.305
1000	4.16	34.47		27.370	71.6	1.479

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 110060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
28 56.5N	117 39.0W	5/10/72	0539 GMT	3737M	330	22KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	16.29	33.61		24.634	331.6	0.000
10	16.30	33.62		24.640	331.1	0.033
20	16.30	33.63		24.647	330.3	0.066
30	16.30	33.63		24.647	330.3	0.099
50	16.26	33.62		24.649	330.2	0.166
75	15.35	33.56		24.807	315.1	0.247
100	12.49	33.46		25.322	266.1	0.320
125	11.95	33.76		25.657	234.3	0.383
150	10.92	33.87		25.931	208.2	0.439
200	10.46	34.23		26.292	173.9	0.537
250	9.78	34.28		26.448	159.1	0.622
300	9.17	34.34		26.595	145.1	0.701
400	7.50	34.29		26.811	124.7	0.842
500	6.76	34.32		26.938	112.6	0.968
600	6.15	34.38		27.066	100.5	1.082
700	5.64	34.40		27.146	92.9	1.188
800	5.07	34.42		27.230	84.9	1.286
1000	4.25	34.47		27.361	72.5	1.462

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 110070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
28 36.5N	118 18.0W	5/10/72	1103 GMT	3926M	330	18KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	16.66	33.70		24.618	333.1	0.000
10	16.66	33.71		24.626	332.4	0.033
20	16.66	33.71		24.626	332.4	0.067
30	16.65	33.71		24.628	332.2	0.100
50	16.53	33.68		24.633	331.7	0.167
75	14.08	33.49		25.026	294.3	0.245
100	12.49	33.45		25.314	266.9	0.316
125	11.12	33.59		25.678	232.3	0.379
150	10.43	33.75		25.924	208.9	0.435
200	9.79	34.07		26.282	174.8	0.533
250	9.25	34.22		26.488	155.3	0.617
300	8.56	34.25		26.621	142.6	0.694
400	7.62	34.32		26.817	124.1	0.834
500	6.55	34.33		26.974	109.2	0.958
600	5.85	34.37		27.096	97.6	1.068
700	5.38	34.40		27.177	89.9	1.170
800	4.95	34.42		27.243	83.6	1.266
1000	4.16	34.47		27.370	71.6	1.439

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 110080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
28 16.5N	118 57.5W	5/10/72	1603 GMT	4116M	340	16KT	1	330 6 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	16.64	33.73		24.646	330.5	0.000
10	16.64	33.74		24.653	329.8	0.033
20	16.64	33.74		24.653	329.8	0.066
30	16.64	33.74		24.653	329.8	0.099
50	16.44	33.68		24.653	329.7	0.165
75	13.87	33.44		25.031	293.9	0.244
100	12.70	33.49		25.304	267.8	0.314
125	10.90	33.66		25.772	223.3	0.376
150	10.13	33.81		26.023	199.5	0.430
200	9.61	34.08		26.320	171.2	0.525
250	9.03	34.20		26.508	153.4	0.608
300	8.50	34.25		26.631	141.8	0.684
400	7.60	34.32		26.820	123.8	0.823
500	6.55	34.33		26.974	109.2	0.947
600	5.92	34.36		27.079	99.2	1.058
700	5.39	34.39		27.168	90.8	1.162
800	4.85	34.41		27.247	83.3	1.257
1000	4.09	34.47		27.378	70.9	1.429

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 110080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
28 16.5N	118 57.5W	5/10/72	1745 GMT	4116M	340	16KT	1	330 6 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1	16.65	33.757	5.87	0.30	0.	0.00	0.0	328.8
11	16.63	33.757	5.92	0.21	0.	0.00	0.0	328.3
30	16.63	33.758	5.87	0.19	1.	0.01	0.0	328.2
55	16.56	33.747	5.90	0.19	1.	0.01	0.0	327.5
69	15.61	33.626	6.06	0.22	1.	0.01	0.0	315.8
84	13.93	33.492	5.87	0.33	2.	0.01	0.0	291.2
99	12.94	33.522	5.02	0.68	5.	0.01	2.6	269.9
128	10.99	33.647	4.11	1.29	13.	0.01	15.1	225.8
152	10.36	33.824	3.53	1.57	19.	0.00	19.8	202.2
176	9.93	33.928	3.25	1.72	24.	0.00	21.3	187.6
210	9.60	34.121	2.47	2.06	31.	0.01	26.3	168.0
272	8.82	34.237	1.63	2.46	44.	0.00	32.3	147.5
367	7.97	34.315	0.79	2.80	56.	0.01	37.3	129.3
463	7.17	34.347	0.45	3.04	64.	0.02	31.4U	116.0
593	5.94	34.366	0.30	3.19	82.	0.01	43.3	99.0
745	5.09	34.419	0.33	3.27	93.	0.01	44.2	85.2
891	4.42	34.451	0.48	3.27	110.	0.01	44.6	75.7
1105	3.83	34.499	0.69	3.27	125.	0.01	44.2	66.2

Z	T	S	O2	SIGT	DT	DD
0	16.65	33.757	5.87	24.664	328.8	0.000
10	16.63	33.758	5.92	24.668	328.3	0.033
20	16.63	33.759	5.90	24.669	328.3	0.066
30	16.63	33.758	5.87	24.669	328.2	0.099
50	16.57	33.751	5.89	24.675	327.7	0.164
75	14.94	33.562	5.98	24.898	306.5	0.244
100	12.86	33.526	4.98	25.299	268.3	0.317
125	11.16	33.631	4.18	25.701	230.1	0.380
150	10.39	33.811	3.57	25.978	203.8	0.435
200	9.68	34.068	2.71	26.297	173.4	0.531
250	9.10	34.217	1.87	26.509	153.3	0.615
300	8.54	34.270	1.33	26.638	141.0	0.691
400	7.70	34.330	0.63	26.814	124.4	0.830
500	6.80	34.352	0.38	26.957	110.8	0.954
600	5.89	34.369	0.30	27.089	98.3	1.067
700	5.30	34.404	0.32	27.189	88.8	1.168
800	4.82	34.433	0.38	27.268	81.3	1.262
1000	4.06	34.477	0.59	27.385	70.2	1.431

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 120045

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 43.0N	115 33.0W	5/12/72	0259 GMT	2415M	330	16KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	14.13	33.51		25.031	293.9	0.000
10	14.13	33.52		25.038	293.1	0.029
20	14.17	33.55		25.053	291.7	0.059
30	14.01	33.56		25.094	287.8	0.088
50	11.58	33.49		25.517	247.6	0.141
75	10.64	33.96		26.051	196.8	0.197
100	11.40	34.39		26.248	178.1	0.245
125	11.40	34.48		26.317	171.5	0.289
150	11.22	34.54		26.397	163.9	0.332
200	10.90	34.59		26.494	154.7	0.413
250	10.30	34.58		26.592	145.4	0.491
300	9.71	34.55		26.670	138.0	0.565
400	8.48	34.48		26.814	124.4	0.703
500	6.78	34.38		26.982	108.4	0.827
600	6.20	34.42		27.091	98.1	0.938
700	5.65	34.43		27.168	90.8	1.041
800	5.01	34.43		27.245	83.5	1.137
1000	4.08	34.49		27.395	69.3	1.308

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 120050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 33.0N	115 52.5W	5/11/72	2222 GMT	4116M	330	12KT	2	310 4 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	16.15	33.56		24.628	332.2	0.000
10	16.04	33.55		24.645	330.5	0.033
20	15.95	33.56		24.673	327.9	0.066
30	14.41	33.44		24.918	304.6	0.098
50	13.45	33.37		25.063	290.8	0.158
75	11.90	33.62		25.558	243.7	0.225
100	11.14	33.91		25.923	209.0	0.282
125	10.92	34.02		26.048	197.1	0.333
150	10.67	34.08		26.139	188.5	0.382
200	9.95	34.25		26.396	164.1	0.472
250	9.30	34.31		26.550	149.4	0.553
300	8.76	34.33		26.653	139.7	0.628
400	7.44	34.32		26.843	121.6	0.765
500	6.61	34.36		26.989	107.7	0.886
600	5.89	34.37		27.091	98.1	0.997
700	5.36	34.41		27.188	88.9	1.098
800	4.91	34.44		27.264	81.7	1.192
1000	4.21	34.48		27.373	71.4	1.364

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 120050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 33.0N	115 52.5W	5/11/72	2312 GMT	4116M	330	12KT	2	310 4 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	16.14	33.594	7.50	0.17	2.	0.03	0.0	329.5
9	16.13	33.590	7.63	0.12	2.	0.02	0.0	329.6
29	15.06	33.511	6.47	0.21	2.	0.01	0.0	312.7
53	13.54	33.455	5.87	0.39	4.	0.01	0.0	286.3
68	12.63	33.430	5.59	0.57	5.	0.04	0.9	270.9
83	12.05	33.582	4.47	1.05	11.	0.01	9.8	249.2
97	11.39	33.775	3.23	1.60	19.	0.01	17.9	223.3
126	10.98	34.013	1.79	2.22	30.	0.00	27.4	198.6
151	10.85	34.063	1.62	2.33	32.	0.00	28.8	192.7
175	10.61	34.137	1.79	2.25	32.	0.00	27.3	183.2
208	10.02	34.281	1.50	2.41	37.	0.01	30.0	162.9
270	9.00	34.328	1.04	2.67	45.	0.00	33.6	143.4
366	7.82	34.336	0.64	2.90	58.	0.01	37.2	125.6
459	6.88	34.362	0.35	3.11	70.	0.00	40.6	111.0
586	6.03	34.383	0.26	3.23	84.	0.00	42.6	98.8
733	5.21	34.427	0.29	3.30	97.	0.00	43.6	86.0
875	4.63	34.464	0.38	3.35	110.	0.00	44.1	76.9
1078	3.91	34.499	0.65	3.31	125.	0.00	43.6	67.0

Z	T	S	O2	SIGT	DT	DD
0	16.14	33.594	7.50	24.656	329.5	0.000
10	16.10	33.589	7.59	24.661	329.0	0.033
20	15.64	33.552	7.08	24.735	322.0	0.066
30	15.00	33.510	6.43	24.844	311.6	0.097
50	13.73	33.462	5.92	25.074	289.7	0.158
75	12.35	33.489	5.13	25.370	261.6	0.227
100	11.31	33.811	3.01	25.814	219.4	0.288
125	10.98	34.010	1.82	26.028	199.0	0.340
150	10.85	34.063	1.63	26.092	192.9	0.390
200	10.18	34.249	1.60	26.355	167.9	0.482
250	9.31	34.331	1.17	26.564	148.0	0.564
300	8.59	34.335	0.89	26.682	136.9	0.638
400	7.45	34.346	0.52	26.861	119.9	0.772
500	6.57	34.370	0.32	27.002	106.5	0.892
600	5.94	34.388	0.26	27.097	97.5	1.002
700	5.38	34.417	0.28	27.191	88.6	1.103
800	4.92	34.446	0.32	27.267	81.4	1.197
1000	4.17	34.489	0.53	27.384	70.4	1.367

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 120060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 13.0N	116 30.5W	5/11/72	1634 GMT	3737M	320	10KT	2	270 5 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	16.25	33.54		24.590	335.8	0.000
10	16.26	33.55		24.595	335.3	0.034
20	16.14	33.56		24.630	332.0	0.067
30	15.76	33.55		24.708	324.5	0.100
50	14.94	33.52		24.866	309.5	0.164
75	13.90	33.48		25.055	291.5	0.239
100	12.47	33.49		25.349	263.6	0.309
125	11.53	33.71		25.697	230.5	0.371
150	10.95	33.99		26.019	199.8	0.426
200	10.05	34.21		26.347	168.6	0.520
250	10.00	34.39		26.496	154.5	0.603
300	9.53	34.50		26.661	138.9	0.679
400	8.02	34.42		26.837	122.2	0.817
500	7.27	34.46		26.977	108.9	0.940
600	6.38	34.42		27.067	100.3	1.053
700	5.64	34.43		27.169	90.7	1.157
800	5.06	34.44		27.247	83.3	1.253
1000	4.20	34.49		27.382	70.5	1.425

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 120070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
26 53.0N	117 10.0W	5/11/72	1118 GMT	3926M	330	14KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	17.22	33.75		24.525	342.0	0.000
10	17.22	33.76		24.532	341.3	0.034
20	17.22	33.77		24.540	340.6	0.068
30	17.23	33.77		24.537	340.8	0.102
50	16.71	33.72		24.622	332.8	0.170
75	13.93	33.50		25.064	290.6	0.248
100	12.30	33.48		25.374	261.2	0.318
125	11.54	33.74		25.718	228.5	0.380
150	10.64	33.94		26.035	198.3	0.434
200	9.87	34.21		26.378	165.7	0.527
250	9.37	34.33		26.555	149.0	0.608
300	8.96	34.36		26.644	140.5	0.683
400	7.87	34.40		26.843	121.6	0.820
500	7.00	34.40		26.968	109.8	0.943
600	6.20	34.42		27.091	98.1	1.055
700	5.60	34.44		27.182	89.5	1.158
800	4.99	34.44		27.255	82.6	1.253
1000	4.17	34.49		27.385	70.2	1.424

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 120080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
26 32.5N	117 49.0W	5/11/72	0508 GMT	3926M	320	6KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.66	33.84		24.488	345.5	0.000
									10	17.63	33.85		24.503	344.1	0.034
									20	17.63	33.85		24.503	344.1	0.069
									30	17.63	33.85		24.503	344.1	0.103
									50	17.35	33.82		24.547	339.9	0.172
									75	13.89	33.45		25.034	293.5	0.252
									100	11.85	33.41		25.405	258.3	0.321
									125	10.93	33.68		25.782	222.4	0.382
									150	10.21	33.89		26.071	194.9	0.435
									200	9.62	34.15		26.373	166.2	0.527
									250	9.35	34.36		26.581	146.4	0.607
									300	8.78	34.34		26.657	139.2	0.681
									400	7.50	34.34		26.850	120.9	0.818
									500	6.51	34.37		27.011	105.7	0.938
									600	5.98	34.41		27.111	96.2	1.046
									700	5.42	34.45		27.212	86.6	1.146
									800	4.98	34.47		27.280	80.2	1.238
									1000	4.25	34.51		27.392	69.5	1.407

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 120080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
26 32.5N	117 49.0W	5/11/72	0627 GMT	3926M	320	6KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	17.63	33.857	5.78	0.25	2.	0.01	0.0	343.6	0	17.63	33.857	5.78	24.508	343.6	0.000
10	17.63	33.856	5.92	0.22	1.	0.00	0.0	343.7	10	17.63	33.856	5.92	24.507	343.7	0.034
30	17.63	33.857	5.82	0.22	1.	0.00	0.0	343.6	20	17.63	33.858	5.89	24.508	343.6	0.069
56	17.05	33.763	5.94	0.23	2.	0.00	0.0	337.2	30	17.63	33.857	5.82	24.508	343.6	0.103
71	14.61	33.512	6.24	0.27	2.	0.00	0.0	303.4	50	17.18	33.786	5.91	24.559	338.7	0.172
86	13.67	33.475	5.94	0.35	3.	0.00	0.0	287.4	75	14.31	33.493	6.21	24.979	298.8	0.252
101	12.32	33.496	5.16	0.73	7.	0.03	4.7	260.4	100	12.41	33.494	5.22	25.362	262.3	0.323
131	10.91	33.706	3.97	1.36	16.	0.00	15.6	220.1	125	11.09	33.658	4.17	25.734	226.9	0.384
156	10.28	33.891	3.31	1.68	23.	0.00	19.1	196.0	150	10.39	33.850	3.44	26.007	201.0	0.439
181	9.95	34.021	2.87	1.87	28.	0.00	21.8	181.0	200	9.75	34.098	2.56	26.310	172.2	0.534
216	9.61	34.161	2.29	2.16	34.	0.00	27.5	165.2	250	9.40	34.350	1.51	26.565	148.0	0.616
279	9.20	34.375	0.91	2.68	46.	0.00	35.1	143.0	300	8.93	34.373	0.85	26.659	139.1	0.690
376	7.80	34.342	0.61	2.91	52.	0.00	38.8	124.9	400	7.50	34.342	0.53	26.852	120.8	0.827
471	6.73	34.354	0.34	3.24	73.	0.00	43.6	109.7	500	6.52	34.371	0.29	27.009	105.8	0.947
600	5.97	34.428	0.22	3.28	86.	0.00	44.4	94.7	600	5.97	34.428	0.22	27.127	94.7	1.055
748	5.16	34.457	0.28	3.29	101.	0.00	44.8	83.2	700	5.41	34.452	0.26	27.214	86.4	1.154
894	4.58	34.484	0.40	3.29	112.	0.00	44.7	74.9	800	4.94	34.468	0.32	27.282	80.0	1.246
1104	3.90	34.518	0.62	3.33	129.	0.00	44.7	65.4	1000	4.21	34.503	0.50	27.390	69.7	1.414

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 130040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
26 09.5N	114 07.5W	5/13/72	2132 GMT	2602M	300	10KT	2	270 2 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.46	33.62		24.603	334.6	0.000
									10	16.19	33.62		24.665	328.7	0.033
									20	16.16	33.63		24.679	327.3	0.066
									30	16.13	33.63		24.686	326.6	0.099
									50	14.32	33.55		25.022	294.7	0.161
									75	12.60	33.55		25.370	261.5	0.231
									100	11.52	33.70		25.691	231.1	0.293
									125	11.07	34.07		26.060	196.0	0.347
									150	10.51	34.14		26.214	181.4	0.395
									200	10.20	34.40		26.470	157.0	0.482
									250	9.90	34.44		26.552	149.2	0.561
									300	9.20	34.49		26.707	134.5	0.634
									400	8.21	34.47		26.847	121.2	0.769
									500	7.23	34.44		26.967	109.8	0.892
									600	6.34	34.42		27.072	99.8	1.005
									700	5.64	34.43		27.169	90.7	1.109
									800	5.07	34.45		27.253	82.7	1.205
									1000	4.14	34.50		27.396	69.2	1.375

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 130040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
26 09.5N	114 07.5W	5/13/72	2240 GMT	2602M	300	10KT	2	270 3 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	16.41	33.658	6.85	0.20	3.	0.00	0.0	330.7	0	16.41	33.658	6.85	24.644	330.7	0.000
10	16.38	33.654	7.05	0.18	3.	0.02	0.0	330.3	10	16.38	33.654	7.05	24.647	330.3	0.033
30	16.15	33.651	6.53	0.18	3.	0.01	0.0	325.5	20	16.27	33.654	6.88	24.673	327.9	0.066
55	14.34	33.571	5.52	0.32	3.	0.01	0.0	293.6	30	16.15	33.651	6.53	24.698	325.5	0.099
71	12.79	33.563	4.34	0.71	8.	0.01	0.0	264.1	50	14.80	33.588	5.78	24.947	301.8	0.162
84	11.96	33.654	3.75	1.15	13.	0.01	3.7	242.2	75	12.49	33.586	4.14	25.417	257.1	0.232
100	11.47	33.834	3.07	1.67	19.	0.01	18.7	220.3	100	11.47	33.834	3.07	25.804	220.3	0.292
129	10.89	34.096	2.22	2.08	27.	0.02	25.1	191.0	125	10.95	34.070	2.30	26.080	194.1	0.345
153	10.56	34.155	2.02	2.19	29.	0.00	26.5	181.1	150	10.58	34.149	2.05	26.207	182.0	0.392
179	10.77	34.350	1.28	2.44	34.	0.01	29.8	170.2	200	10.52	34.401	1.16	26.415	162.2	0.480
213	10.29	34.408	1.09	2.58	38.	0.00	32.0	157.9	250	9.89	34.428	0.92	26.543	150.0	0.561
276	9.64	34.430	0.81	2.74	43.	0.01	34.4	145.8	300	9.37	34.446	0.66	26.645	140.4	0.636
372	8.53	34.479	0.29	3.04	55.	0.01	38.7	125.2	400	8.20	34.472	0.28	26.850	120.9	0.774
468	7.45	34.445	0.24	3.14	66.	0.00	40.3	112.4	500	7.16	34.440	0.24	26.976	109.0	0.896
596	6.42	34.437	0.25	3.27	80.	0.00	41.9	99.6	600	6.39	34.438	0.25	27.080	99.2	1.008
744	5.40	34.461	0.29	3.35	96.	0.00	43.3	85.6	700	5.68	34.453	0.27	27.182	89.5	1.112
889	4.69	34.482	0.43	3.39	108.	0.00	44.2	76.2	800	5.10	34.470	0.34	27.265	81.6	1.206
1097	3.85	34.524	0.65	3.37	129.	0.00	43.7	64.5	1000	4.22	34.504	0.54	27.391	69.7	1.376

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 130050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
25 49.5N	114 47.0W	5/14/72	0326 GMT	3641M	300	15KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	17.60	33.89		24.541	340.5	0.000
10	17.57	33.91		24.563	338.4	0.034
20	17.53	33.91		24.573	337.4	0.068
30	17.45	33.91		24.592	335.6	0.102
50	17.34	33.88		24.595	335.3	0.169
75	14.33	33.63		25.081	289.0	0.247
100	13.39	33.98		25.545	244.9	0.315
125	12.75	34.28		25.905	210.7	0.372
150	12.11	34.47		26.176	184.9	0.423
200	11.34	34.59		26.414	162.3	0.512
250	10.66	34.62		26.560	148.4	0.592
300	9.99	34.56		26.630	141.8	0.667
400	8.74	34.52		26.804	125.3	0.808
500	7.49	34.45		26.938	112.6	0.935
600	6.36	34.45		27.093	97.8	1.049
700	5.66	34.45		27.183	89.4	1.151
800	5.10	34.47		27.266	81.5	1.245
1000	4.25	34.51		27.392	69.5	1.415

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 130060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
25 29.0N	115 24.0W	5/14/72	1121 GMT	3641M	330	12KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	17.53	33.85		24.527	341.8	0.000
10	17.54	33.86		24.532	341.3	0.034
20	17.54	33.86		24.532	341.3	0.068
30	17.50	33.85		24.534	341.1	0.103
50	17.38	33.85		24.563	338.4	0.171
75	15.87	33.66		24.768	318.8	0.253
100	13.96	33.57		25.112	286.1	0.330
125	11.99	33.63		25.549	244.5	0.397
150	10.82	33.90		25.972	204.3	0.454
200	10.85	34.39		26.348	168.6	0.549
250	10.75	34.53		26.474	156.6	0.633
300	9.72	34.48		26.614	143.4	0.711
400	8.56	34.50		26.817	124.1	0.851
500	7.21	34.45		26.978	108.8	0.975
600	6.26	34.45		27.107	96.6	1.086
700	5.61	34.45		27.189	88.8	1.188
800	5.09	34.47		27.267	81.4	1.282
1000	4.23	34.50		27.387	70.1	1.452

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 130070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
25 08.0N	116 03.0W	5/14/72	1649 GMT	3737M	040	6KT	2	360 2 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	18.32	34.04		24.479	346.3	0.000
10	18.29	34.04		24.487	345.6	0.035
20	18.21	34.04		24.506	343.7	0.069
30	17.78	33.92		24.520	342.5	0.104
50	17.64	33.90		24.539	340.7	0.172
75	17.24	33.79		24.550	339.6	0.258
100	14.63	33.65		25.033	293.6	0.337
125	12.46	33.78		25.575	242.0	0.405
150	11.55	34.16		26.042	197.7	0.461
200	11.10	34.48		26.372	166.2	0.554
250	10.63	34.56		26.519	152.3	0.636
300	9.97	34.56		26.634	141.5	0.713
400	8.30	34.46		26.826	123.3	0.852
500	7.22	34.46		26.984	108.2	0.975
600	6.37	34.45		27.092	98.0	1.087
700	5.64	34.46		27.193	88.4	1.189
800	5.12	34.47		27.263	81.8	1.283
1000	4.29	34.51		27.388	69.9	1.453

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 130070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
25 08.0N	116 03.0W	5/14/72	1739 GMT	3737M	040	6KT	2	360 2 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	18.31	34.041	5.73	0.31	2.	0.01	0.0	346.0
10	18.25	34.035	5.84	0.26	2.	0.01	0.0	345.1
30	17.68	33.907	6.02	0.21	2.	0.01	0.0	341.1
55	17.39	33.825	6.05	0.22	2.	0.01	0.0	340.4
70	17.12	33.802	5.92	0.23	2.	0.01	0.0	336.0
85	15.92	33.778	5.72	0.40	2.	0.20	0.0	311.3
99	14.04	33.677	4.99	0.71	6.	0.01	4.0	279.8
129	11.87	33.880	3.32	1.51	16.	0.01	18.2	224.0
154	11.55	34.249	1.78	2.18	27.	0.01	23.2	191.1
179	11.19	34.403	1.17	2.44	33.	0.01	25.2	173.5
213	10.95	34.516	0.66	2.61	37.	0.01	26.4	161.0
278	10.10	34.550	0.30	2.84	43.	0.01	29.4	144.3
375	8.48	34.434	0.42	2.95	53.	0.01	37.2	127.8
473	7.46	34.459	0.16	3.15	66.	0.01	41.5	111.5
604	6.34	34.447	0.19	3.25	78.	0.01	42.9	97.8
755	5.31	34.464	0.25	3.33	94.	0.01	44.2	84.3
902	4.69	34.486	0.37	3.36	105.	0.00	44.8	75.9
1108	3.98	34.521	0.57	3.37	122.	0.01	44.9	66.0

Z	T	S	O2	SIGT	DT	DD
0	18.31	34.041	5.73	24.482	346.0	0.000
10	18.25	34.035	5.84	24.493	345.1	0.035
20	17.98	33.978	5.94	24.514	343.0	0.069
30	17.68	33.907	6.02	24.534	341.1	0.103
50	17.44	33.839	6.04	24.540	340.6	0.172
75	16.82	33.801	5.89	24.657	329.4	0.256
100	13.93	33.679	4.94	25.201	277.7	0.332
125	12.03	33.833	3.55	25.697	230.5	0.397
150	11.60	34.203	2.00	26.065	195.5	0.451
200	11.03	34.484	0.82	26.387	164.8	0.543
250	10.51	34.556	0.38	26.537	150.7	0.624
300	9.72	34.526	0.31	26.648	140.1	0.700
400	8.18	34.436	0.36	26.824	123.4	0.838
500	7.21	34.458	0.17	26.984	108.2	0.962
600	6.37	34.448	0.19	27.090	98.2	1.073
700	5.65	34.456	0.22	27.189	88.8	1.176
800	5.10	34.471	0.28	27.267	81.4	1.270
1000	4.33	34.503	0.46	27.378	70.9	1.441

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 130080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 50.0N	116 35.5W	5/14/72	2210 GMT	4021M	350	6KT	1	360 3 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	19.28	34.24		24.390	354.8	0.000
10	18.95	34.22		24.459	348.3	0.035
20	18.91	34.25		24.491	345.1	0.070
30	18.89	34.25		24.497	344.7	0.104
50	18.84	34.25		24.509	343.5	0.174
75	17.45	34.10		24.737	321.8	0.257
100	14.13	33.81		25.262	271.9	0.332
125	12.24	33.74		25.586	241.0	0.397
150	11.57	34.09		25.984	203.2	0.453
200	10.55	34.34		26.362	167.3	0.548
250	9.69	34.42		26.572	147.3	0.629
300	9.46	34.54		26.704	134.8	0.702
400	8.46	34.51		26.840	121.9	0.837
500	7.28	34.47		26.984	108.3	0.960
600	6.38	34.46		27.099	97.4	1.071
700	5.70	34.47		27.193	88.4	1.173
800	5.11	34.48		27.272	80.9	1.267
1000	4.27	34.52		27.398	69.0	1.436

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 130090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 26.0N	117 17.0W	5/15/72	0354 GMT	3929M	300	6KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	19.38	34.27		24.387	355.1	0.000
10	19.24	34.28		24.430	351.0	0.035
20	19.16	34.28		24.451	349.0	0.070
30	19.14	34.28		24.456	348.5	0.105
50	18.95	34.23		24.466	347.6	0.175
75	15.02	33.71		24.995	297.3	0.256
100	12.82	33.83		25.543	245.1	0.325
125	11.89	34.00		25.854	215.5	0.383
150	10.61	34.02		26.103	191.9	0.435
200	9.64	34.15		26.370	166.5	0.526
250	8.96	34.22		26.535	150.8	0.608
300	8.68	34.33		26.665	138.5	0.683
400	7.65	34.39		26.868	119.3	0.818
500	7.19	34.46		26.988	107.8	0.939
600	6.31	34.45		27.100	97.2	1.049
700	5.66	34.46		27.191	88.7	1.151
800	5.13	34.48		27.270	81.1	1.245
1000	4.25	34.50		27.385	70.3	1.415

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 140030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 45.0N	112 24.0W	6/ 2/72	1136 GMT	112M	350	5KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	17.42	33.96		24.637	331.3	0.000
10	15.83	33.63		24.754	320.2	0.033
20	14.32	33.84		25.245	273.5	0.062
30	14.13	33.88		25.315	266.7	0.089
50	13.55	34.04		25.559	243.6	0.141
75	13.76	34.53		25.893	211.8	0.198

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 140040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 26.0N	113 02.0W	6/ 2/72	0514 GMT	3357M	310	2KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	19.90	34.09		24.115	381.0	0.000
10	19.18	34.09		24.301	363.3	0.037
20	18.93	34.09		24.365	357.2	0.073
30	18.72	34.15		24.463	347.8	0.109
50	17.77	34.08		24.645	330.6	0.177
75	14.30	33.64		25.095	287.7	0.254
100	12.79	33.72		25.464	252.6	0.323
125	11.93	34.04		25.878	213.3	0.382
150	11.57	34.34		26.177	184.8	0.432
200	11.10	34.49		26.380	165.5	0.522
250	10.65	34.60		26.546	149.7	0.603
300	10.06	34.58		26.634	141.4	0.679
400	9.01	34.57		26.800	125.6	0.820
500	7.58	34.51		26.972	109.4	0.945
600	6.54	34.47		27.085	98.6	1.058
700	5.86	34.47		27.174	90.3	1.161
800	5.34	34.49		27.253	82.7	1.257
1000	4.40	34.50		27.368	71.8	1.431

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 140040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 26.0N	113 02.0W	6/ 2/72	0622 GMT	3357M	310	2KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	19.94	34.124	5.49	0.24	1.	0.01	0.0	379.5	0	19.94	34.124	5.49	24.131	379.5	0.000
10	19.22	34.114	5.60	0.21	1.	0.00	0.0	362.5	10	19.22	34.114	5.60	24.309	362.5	0.037
30	18.66	34.130	5.59	0.22	1.	0.00	0.0	347.9	20	18.90	34.128	5.60	24.401	353.7	0.073
54	17.38	34.007	5.47	0.28	2.	0.00	0.0	326.9	30	18.66	34.130	5.59	24.463	347.9	0.108
69	14.84	33.724	5.06	0.50	4.	0.15	0.0	292.5	50	17.74	34.050	5.49	24.629	332.0	0.176
84	13.42	33.621	4.47	0.72	6.	0.04	1.4	271.8	75	14.14	33.658	4.83	25.141	283.4	0.254
99	13.02	33.789	3.90	1.21	11.	0.03	11.9	251.8	100	12.97	33.800	3.85	25.489	250.3	0.321
128	11.80	34.062	2.46	1.84	21.	0.01	20.4	209.3	125	11.91	34.035	2.61	25.876	213.4	0.380
153	11.62	34.324	1.44	2.29	28.	0.00	25.3	186.8	150	11.64	34.302	1.54	26.134	188.9	0.431
178	11.37	34.413	1.09	2.39	33.	0.00	27.1	175.9	200	11.15	34.479	0.83	26.362	167.3	0.522
213	11.02	34.509	0.70	2.64	37.	0.00	28.7	162.7	250	10.61	34.544	0.47	26.510	153.2	0.605
276	10.31	34.549	0.38	2.80	41.	0.01	28.4	147.8	300	10.07	34.569	0.30	26.622	142.6	0.682
374	9.28	34.591	0.17	3.00	53.	0.01	30.5	128.2	400	8.90	34.571	0.18	26.818	124.0	0.822
471	7.87	34.502	0.20	3.13	62.	0.00	35.4	114.0	500	7.56	34.490	0.20	26.959	110.6	0.947
602	6.66	34.470	0.19	3.25	76.	0.00	38.1	100.1	600	6.67	34.471	0.19	27.067	100.3	1.061
752	5.57	34.484	0.25	3.36	93.	0.00	43.1	85.8	700	5.91	34.477	0.23	27.172	90.4	1.166
897	4.78	34.486	0.49	3.38	104.	0.00	43.6	76.8	800	5.28	34.484	0.33	27.255	82.5	1.262
1102	4.06	34.533	0.62	3.40	121.	0.00	44.1	65.9	1000	4.36	34.505	0.59	27.376	71.1	1.435

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 140050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 06.0N	113 40.0W	6/ 1/72	2332 GMT	3169M	290	5KT	1	290 2 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	22.04	34.56		23.893	402.1	0.000
									10	21.33	34.45		24.006	391.4	0.040
									20	20.51	34.45		24.228	370.3	0.078
									30	20.01	34.41		24.330	360.5	0.114
									50	18.76	34.20		24.491	345.2	0.185
									75	16.22	33.96		24.918	304.5	0.267
									100	15.13	34.07		25.247	273.2	0.340
									125	12.87	34.20		25.819	218.8	0.402
									150	11.72	34.29		26.111	191.1	0.454
									200	11.10	34.47		26.365	167.0	0.546
									250	10.74	34.58		26.515	152.7	0.628
									300	10.34	34.61		26.609	143.8	0.706
									400	9.13	34.58		26.789	126.7	0.848
									500	7.98	34.56		26.952	111.2	0.975
									600	6.76	34.50		27.079	99.2	1.090
									700	6.00	34.49		27.172	90.4	1.194
									800	5.41	34.49		27.245	83.5	1.290
									1000	4.32	34.51		27.385	70.2	1.464

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 140060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 45.0N	114 16.0W	6/ 1/72	1721 GMT	4308M		0KT	1	330 2 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	20.10	33.82		23.858	405.6	0.000
									10	17.78	33.73		24.375	356.3	0.038
									20	17.35	33.72		24.471	347.2	0.073
									30	17.11	33.75		24.551	339.5	0.108
									50	16.86	33.81		24.655	329.6	0.175
									75	14.83	33.63		24.974	299.2	0.254
									100	13.99	33.77		25.260	272.0	0.326
									125	11.92	33.92		25.786	221.9	0.388
									150	11.34	34.15		26.073	194.7	0.441
									200	11.01	34.52		26.420	161.7	0.532
									250	10.76	34.62		26.542	150.1	0.613
									300	9.98	34.57		26.640	140.9	0.689
									400	8.61	34.52		26.825	123.3	0.828
									500	7.41	34.48		26.973	109.3	0.952
									600	6.46	34.47		27.096	97.6	1.064
									700	5.67	34.47		27.197	88.0	1.166
									800	5.15	34.48		27.268	81.3	1.259
									1000	4.25	34.51		27.392	69.5	1.429

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 140060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 45.0N	114 16.0W	6/ 1/72	1817 1830 GMT	4308M		0KT	1	330 2 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	20.21	33.790	5.75	0.12	3.	0.02	0.0	410.5	0	20.21	33.790	5.75	23.806	410.5	0.000
10	17.97	33.741	6.05	0.09	3.	0.01	0.0	359.9	10	17.97	33.741	6.05	24.337	359.9	0.039
30	17.10	33.721	5.71	0.15	3.	0.02	0.0	341.4	20	17.54	33.731	5.96	24.434	350.7	0.074
55	16.70	33.801	5.17	0.27	3.	0.08	0.0	326.7	30	17.10	33.721	5.71	24.531	341.4	0.109
70	15.07	33.672	5.09	0.36	4.	0.48	0.0	301.1	50	16.78	33.772	5.26	24.644	330.6	0.176
85	14.85	33.676	4.83	0.43	5.	0.45	0.0	296.2	75	15.00	33.681	5.04	24.976	299.0	0.255
101	14.14	33.747	3.99	0.80	9.	0.17	1.3	276.7	100	14.19	33.743	4.05	25.195	278.2	0.328
130	12.32	33.859	3.10	1.51	17.	0.02	14.9	233.7	125	12.63	33.834	3.22	25.582	241.3	0.394
155	11.36	34.103	2.33	1.92	24.	0.01	21.5	198.6	150	11.50	34.052	2.49	25.967	204.8	0.450
180	11.20	34.298	1.53	2.27	30.	0.01	25.5	181.4	200	11.10	34.428	1.00	26.332	170.1	0.546
213	11.03	34.493	0.73	2.60	36.	0.00	27.3	164.1	250	10.73	34.556	0.49	26.499	154.3	0.630
276	10.44	34.550	0.32	2.77	39.	0.00	27.3	149.9	300	10.06	34.545	0.30	26.607	144.0	0.707
373	8.82	34.506	0.22	2.99	53.	0.00	31.4	127.5	400	8.45	34.494	0.22	26.828	123.0	0.848
471	7.62	34.466	0.21	3.14	64.	0.00	35.3	113.2	500	7.32	34.459	0.21	26.969	109.7	0.972
600	6.44	34.447	0.20	3.22	77.	0.00	38.8	99.1	600	6.44	34.447	0.20	27.081	99.1	1.085
749	5.46	34.463	0.27	3.30	94.	0.00	41.5	86.1	700	5.75	34.456	0.24	27.176	90.1	1.188
893	4.71	34.493	0.34	3.39	106.	0.00	44.1	75.6	800	5.17	34.474	0.29	27.260	82.1	1.284
1099	3.96	34.526	0.59	3.35	121.	0.00	44.1	65.4	1000	4.27	34.513	0.45	27.392	69.6	1.454

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 140070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 25.0N	114 55.0W	6/ 1/72	1203 GMT	3737M	250	2KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.45	34.11		24.247	368.4	0.000
									10	18.92	34.10		24.375	356.3	0.036
									20	18.57	34.07		24.440	350.1	0.072
									30	18.39	34.02		24.447	349.4	0.107
									50	17.66	33.90		24.534	341.1	0.176
									75	14.70	33.64		25.010	295.8	0.256
									100	12.46	33.73		25.536	245.7	0.324
									125	11.39	33.94		25.901	211.1	0.382
									150	10.94	34.16		26.153	187.1	0.433
									200	10.44	34.42		26.444	159.5	0.521
									250	10.32	34.55		26.566	147.9	0.601
									300	9.69	34.53		26.658	139.2	0.675
									400	8.50	34.51		26.834	122.5	0.813
									500	7.20	34.47		26.995	107.2	0.936
									600	6.43	34.47		27.100	97.2	1.046
									700	5.64	34.47		27.201	87.7	1.147
									800	5.13	34.48		27.270	81.1	1.241
									1000	4.27	34.51		27.390	69.7	1.411

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 140080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 05.0N	115 33.0W	6/ 1/72	0703 GMT	4121M	330	1KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.78	34.16		24.200	372.9	0.000
									10	19.40	34.16		24.298	363.6	0.037
									20	19.04	34.12		24.360	357.7	0.073
									30	18.76	34.08		24.400	353.9	0.109
									50	18.33	34.00		24.446	349.5	0.179
									75	17.19	33.87		24.623	332.6	0.265
									100	14.46	33.57		25.007	296.1	0.344
									125	11.69	33.75		25.698	230.4	0.411
									150	10.83	34.02		26.064	195.6	0.465
									200	11.80	34.69		26.406	163.1	0.556
									250	11.14	34.68		26.520	152.2	0.638
									300	10.43	34.64		26.616	143.1	0.715
									400	8.82	34.57		26.831	122.8	0.855
									500	7.64	34.52		26.971	109.5	0.979
									600	6.59	34.50		27.102	97.0	1.091
									700	5.73	34.47		27.190	88.7	1.193
									800	5.21	34.48		27.261	82.0	1.288
									1000	4.37	34.52		27.388	70.0	1.459

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 140090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
22 42.0N	116 11.5W	6/ 1/72	0203 GMT	4121M	350	3KT	1	310 3 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	20.52	34.30		24.111	381.4	0.000
									10	19.90	34.28		24.260	367.2	0.037
									20	19.85	34.29		24.280	365.3	0.074
									30	19.61	34.27		24.328	360.8	0.111
									50	18.29	34.06		24.502	344.2	0.181
									75	16.14	33.71		24.745	321.0	0.265
									100	13.10	33.61		25.318	266.5	0.339
									125	12.35	33.79		25.604	239.3	0.403
									150	13.05	34.52		26.031	198.7	0.458
									200	12.14	34.69		26.341	169.2	0.553
									250	11.42	34.70		26.485	155.6	0.637
									300	10.68	34.67		26.596	145.1	0.715
									400	9.28	34.57		26.757	129.8	0.860
									500	7.95	34.53		26.933	113.0	0.990
									600	6.80	34.52		27.090	98.2	1.104
									700	5.92	34.50		27.190	88.7	1.207
									800	5.28	34.50		27.268	81.3	1.302
									1000	4.45	34.52		27.379	70.8	1.473

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 140100

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
22 25.0N	116 46.0W	5/31/72	2037 GMT	4313M	340	6KT	1	320 4 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	20.32	34.24		24.119	380.7	0.000
									10	20.09	34.24		24.180	374.9	0.038
									20	19.80	34.25		24.263	366.9	0.075
									30	19.72	34.25		24.284	364.9	0.112
									50	18.86	34.13		24.413	352.7	0.184
									75	16.35	33.78		24.751	320.5	0.268
									100	13.83	33.61		25.170	280.6	0.344
									125	12.75	34.04		25.719	228.3	0.408
									150	12.65	34.41		26.025	199.2	0.463
									200	12.01	34.70		26.373	166.1	0.556
									250	11.24	34.69		26.510	153.2	0.639
									300	10.65	34.68		26.609	143.8	0.716
									400	9.18	34.59		26.788	126.8	0.859
									500	7.78	34.53		26.958	110.7	0.986
									600	6.72	34.51		27.093	97.9	1.099
									700	6.01	34.51		27.186	89.1	1.202
									800	5.36	34.51		27.267	81.4	1.297
									1000	4.44	34.54		27.396	69.2	1.467

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 140100

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
22 25.0N	116 46.0W	5/31/72	2143 GMT	4313M	340	6KT	1	320 4 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	20.86	34.250	5.40	0.24	2.	0.00	0.0	393.7
10	19.95	34.240	5.57	0.22	2.	0.00	0.0	371.4
30	19.77	34.233	5.44	0.22	2.	0.00	0.0	367.4
55	18.88	34.095	5.60	0.23	2.	0.00	0.0	355.7
70	17.27	33.882	5.77	0.25	2.	0.00	0.0	333.5
84	15.64	33.688	5.71	0.31	3.	0.00	0.0	311.9
99	13.79	33.656	5.06	0.59	6.	0.06	2.4	276.4
129	12.64	34.063	2.50	1.75	19.	0.01	18.5	224.6
154	12.56	34.445	0.94	2.42	29.	0.00	24.9	195.0
178	12.12	34.573	0.53	2.59	33.	0.01	26.1	177.5
213	11.76	34.670	0.27	2.75	36.	0.00	27.1	163.8
277	10.79	34.638	0.16	2.82	40.	0.00	26.2	149.3
375	9.41	34.580	0.14	2.91	50.	0.00	29.2	131.1
473	8.06	34.520	0.16	3.13	62.	0.00	33.6	115.3
603	6.78	34.494	0.19	3.25	76.	0.00	37.6	99.9
755	5.70	34.500	0.22	3.37	92.	0.00	41.9	86.1
901	4.78	34.501	0.30	3.43	105.	0.00	44.4	75.7
1107	3.99	34.529	0.56	3.39	122.	0.00	43.6	65.5

Z	T	S	O2	SIGT	DT	DD
0	20.86	34.250	5.40	23.982	393.7	0.000
10	19.95	34.240	5.57	24.216	371.4	0.038
20	19.86	34.237	5.53	24.237	369.4	0.075
30	19.77	34.233	5.44	24.258	367.4	0.112
50	19.18	34.141	5.55	24.340	359.6	0.185
75	16.70	33.805	5.75	24.688	326.5	0.272
100	13.72	33.666	4.98	25.235	274.4	0.347
125	12.66	33.993	2.87	25.699	230.2	0.411
150	12.57	34.395	1.13	26.028	198.9	0.466
200	11.88	34.646	0.33	26.355	167.9	0.559
250	11.22	34.669	0.21	26.496	154.5	0.643
300	10.46	34.626	0.16	26.600	144.7	0.721
400	9.05	34.563	0.14	26.788	126.8	0.864
500	7.76	34.511	0.17	26.947	111.7	0.991
600	6.80	34.495	0.19	27.069	100.2	1.106
700	6.06	34.497	0.21	27.169	90.7	1.211
800	5.39	34.500	0.24	27.254	82.6	1.307
1000	4.33	34.513	0.40	27.386	70.1	1.480

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 140120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
21 44.5N	118 01.0W	5/31/72	0752 GMT	4121M	330	3KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	20.39	34.37		24.199	373.0	0.000
10	20.39	34.38		24.207	372.3	0.037
20	20.24	34.39		24.254	367.8	0.074
30	19.85	34.32		24.303	363.1	0.111
50	19.10	34.19		24.398	354.1	0.183
75	17.38	33.85		24.563	338.4	0.270
100	14.50	33.65		25.060	291.0	0.349
125	13.12	33.86		25.507	248.5	0.418
150	11.60	34.01		25.916	209.6	0.476
200	11.02	34.35		26.286	174.5	0.574
250	10.03	34.45		26.538	150.6	0.657
300	9.23	34.43		26.655	139.4	0.733
400	7.97	34.44		26.860	120.0	0.869
500	7.04	34.45		27.002	106.6	0.990
600	6.25	34.47		27.124	95.0	1.099
700	5.62	34.48		27.211	86.7	1.198
800	5.08	34.49		27.284	79.8	1.290
1000	4.24	34.53		27.409	67.9	1.457

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 150025

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 11.5N	111 01.5W	6/ 3/72	0159 GMT	1298M	310	13KT	0	300 4 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	24.28	35.12		23.669	423.5	0.000
10	24.28	35.13		23.677	422.8	0.042
20	22.96	34.95		23.928	398.9	0.083
30	21.03	34.83		24.376	356.1	0.121
50	16.61	34.79		25.464	252.6	0.182
75	14.99	34.76		25.808	219.9	0.242
100	14.04	34.78		26.027	199.0	0.295
125	13.27	34.83		26.225	180.2	0.343
150	12.61	34.81		26.342	169.1	0.388
200	11.91	34.79		26.462	157.7	0.472
250	11.40	34.77		26.542	150.1	0.551
300	10.96	34.74		26.600	144.7	0.628
400	9.80	34.66		26.740	131.3	0.774
500	8.22	34.57		26.924	113.9	0.905
600	7.14	34.53		27.050	101.9	1.023
700	6.21	34.52		27.168	90.8	1.129
800	5.81	34.51		27.211	86.7	1.228
1000	4.46	34.54		27.394	69.4	1.404

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 150025

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 11.5N	111 01.5W	6/ 3/72	0254 GMT	1298M	310	13KT	0	300 4 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	24.27	35.077	5.07	0.55	3.	0.00	0.0	426.3
10	24.29	35.075	5.11	0.55	2.	0.00	0.0	427.0
30	21.01	34.777	5.16	0.80	4.	0.07	0.0	359.4
55	16.24	34.711	1.00	2.33	21.	0.18	18.0	250.1
70	15.13	34.686	0.54	2.52	25.	0.05	22.0	228.2
85	14.76	34.773	0.71	2.63	28.	0.02	23.3	214.1
100	13.93	34.730	0.30	2.71	32.	0.02	24.1	200.5
130	13.01	34.772	0.23	2.74	35.	0.01	26.1	179.5
154	12.52	34.771	0.11	2.74	35.	0.01	25.7	170.3
179	12.21	34.771	0.15	2.77	32.	0.01	25.8	164.6
214	11.85	34.764	0.15	2.77	40.	0.00	26.8	158.5
278	11.25	34.735	0.16	2.83	42.	0.00	26.8	150.0
375	10.07	34.649	0.10	2.91	49.	0.00	27.2	136.5
473	8.58	34.561	0.09	3.04	59.	0.00	31.8	119.9
604	7.26	34.512	0.10	3.20	70.	0.00	36.0	104.9
754	6.03	34.503	0.12	3.33	89.	0.00	38.8	89.8
900	5.00	34.492	0.22	3.35	102.	0.00	43.6	78.8
1105	4.14	34.535	0.62	3.40	119.	0.00	44.3	66.5

Z	T	S	O2	SIGT	DT	DD
0	24.27	35.077	5.07	23.640	426.3	0.000
10	24.29	35.075	5.11	23.633	427.0	0.043
20	22.96	34.931	5.14	23.915	400.1	0.084
30	21.01	34.777	5.16	24.341	359.4	0.122
50	17.08	34.703	1.85	25.286	269.5	0.185
75	14.99	34.717	0.59	25.774	223.0	0.247
100	13.93	34.730	0.30	26.012	200.5	0.301
125	13.12	34.761	0.24	26.203	182.3	0.350
150	12.59	34.772	0.13	26.317	171.5	0.395
200	11.99	34.768	0.15	26.430	160.8	0.480
250	11.52	34.750	0.16	26.506	153.6	0.561
300	11.01	34.718	0.15	26.574	147.1	0.640
400	9.68	34.624	0.10	26.731	132.2	0.787
500	8.27	34.547	0.09	26.898	116.4	0.920
600	7.29	34.513	0.10	27.015	105.3	1.040
700	6.45	34.504	0.11	27.124	94.9	1.150
800	5.68	34.498	0.14	27.218	86.1	1.251
1000	4.49	34.507	0.38	27.363	72.3	1.430

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 150030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 02.0N	111 20.0W	6/ 3/72	0524 GMT	2602M	330	16KT	0	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	24.84	35.27		23.614	428.7	0.000
10	24.85	35.27		23.611	429.0	0.043
20	24.56	35.29		23.714	419.2	0.085
30	17.59	34.41		24.940	302.4	0.122
50	15.82	34.49		25.416	257.2	0.178
75	14.16	34.57		25.840	216.8	0.237
100	13.01	34.64		26.131	189.1	0.289
125	12.37	34.70		26.304	172.7	0.335
150	12.15	34.74		26.378	165.7	0.378
200	11.59	34.76		26.499	154.2	0.460
250	10.98	34.72		26.581	146.5	0.538
300	10.23	34.66		26.667	138.3	0.612
400	9.04	34.60		26.819	123.9	0.751
500	7.57	34.53		26.989	107.7	0.875
600	6.77	34.52		27.094	97.8	0.986
700	6.11	34.52		27.181	89.5	1.089
800	5.41	34.52		27.268	81.3	1.184
1000	4.39	34.53		27.393	69.4	1.355

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 150040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
22 41.5N	111 56.5W	6/ 3/72	1046 GMT	3357M	340	12KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	20.46	34.07		23.953	396.5	0.000
10	21.22	34.43		24.021	390.0	0.039
20	20.65	34.40		24.152	377.5	0.078
30	18.46	34.08		24.475	346.7	0.114
50	17.09	34.01		24.754	320.1	0.181
75	14.83	34.01		25.266	271.4	0.255
100	13.22	34.19		25.741	226.2	0.318
125	12.27	34.46		26.138	188.5	0.371
150	12.40	34.58		26.205	182.1	0.418
200	11.65	34.73		26.465	157.5	0.505
250	11.09	34.72		26.561	148.4	0.584
300	10.38	34.64		26.625	142.3	0.660
400	9.10	34.59		26.802	125.5	0.801
500	7.80	34.52		26.948	111.7	0.928
600	6.79	34.50		27.075	99.6	1.043
700	5.91	34.50		27.191	88.6	1.146
800	5.36	34.51		27.267	81.4	1.240
1000	4.35	34.53		27.398	69.0	1.411

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 150050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
22 21.0N	112 34.0W	6/ 3/72	1628 GMT	3545M	330	7KT	1	330 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	22.88	34.69		23.754	415.4	0.000
10	22.80	34.68		23.769	414.0	0.041
20	21.86	34.57		23.951	396.6	0.082
30	20.96	34.47		24.122	380.3	0.121
50	19.35	34.25		24.379	355.8	0.195
75	17.54	34.16		24.761	319.5	0.280
100	14.85	34.21		25.416	257.2	0.353
125	13.86	34.51		25.857	215.2	0.412
150	12.79	34.62		26.160	186.4	0.464
200	11.52	34.66		26.435	160.3	0.552
250	10.95	34.67		26.547	149.7	0.633
300	10.13	34.61		26.645	140.4	0.708
400	8.78	34.56		26.829	122.9	0.847
500	7.72	34.53		26.967	109.8	0.971
600	6.73	34.50		27.083	98.8	1.084
700	5.91	34.50		27.191	88.6	1.187
800	5.30	34.51		27.274	80.8	1.282
1000	4.48	34.54		27.391	69.6	1.452

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 150060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
22 01.5N	113 11.0W	6/ 3/72	2155 GMT	3737M	320	10KT	1	310 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	23.43	34.75		23.641	426.3	0.000
10	22.74	34.69		23.794	411.6	0.042
20	21.74	34.54		23.962	395.6	0.082
30	20.94	34.43		24.097	382.7	0.121
50	18.49	34.08		24.467	347.4	0.195
75	15.21	33.87		25.076	289.5	0.275
100	12.90	33.89		25.574	242.1	0.342
125	12.28	34.23		25.958	205.6	0.398
150	11.44	34.42		26.264	176.6	0.447
200	11.06	34.57		26.450	158.9	0.533
250	10.36	34.56		26.566	147.8	0.612
300	9.66	34.54		26.670	138.0	0.687
400	8.53	34.52		26.837	122.2	0.824
500	7.48	34.50		26.979	108.7	0.947
600	6.47	34.48		27.103	97.0	1.058
700	5.85	34.50		27.198	87.9	1.160
800	5.22	34.50		27.275	80.6	1.253
1000	4.35	34.53		27.398	69.0	1.422

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 150060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
22 01.5N	113 11.0W	6/ 3/72	2257 GMT	3737M	320	10KT	1	310 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	23.35	34.707	5.10	0.28	2.	0.00	0.0	427.1
10	22.84	34.664	5.16	0.26	2.	0.00	0.0	416.2
30	20.89	34.484	5.40	0.26	2.	0.00	0.0	377.5
55	17.89	34.054	5.47	0.41	5.	0.01	0.0	335.3
70	16.45	33.924	5.02	0.59	5.	0.06	1.7	312.2
85	13.82	33.891	3.62	1.25	12.	0.04	11.8	259.8
100	13.12	33.879	3.45	1.30	13.	0.02	13.6	247.1
130	12.38	34.179	2.05	1.94	22.	0.01	22.1	211.2
154	11.84	34.405	1.16	2.36	30.	0.00	26.1	184.8
179	11.55	34.495	0.80	2.50	33.	0.00	27.6	173.0
213	11.03	34.506	0.72	2.57	35.	0.00	28.5	163.1
277	10.25	34.546	0.34	2.75	40.	0.00	28.5	147.1
375	8.90	34.495	0.24	2.97	52.	0.00	32.3	129.5
471	7.95	34.488	0.23	3.10	60.	0.00	35.6	116.2
601	6.57	34.468	0.18	3.21	74.	0.00	39.5	99.1
751	5.64	34.481	0.21	3.35	90.	0.00	43.5	86.8
897	4.80	34.498	0.30	3.40	104.	0.00	44.6	76.2
1106	4.05	34.534	0.51	3.42	120.	0.00	44.6	65.7

Z	T	S	O2	SIGT	DT	DD
0	23.35	34.707	5.10	23.631	427.1	0.000
10	22.84	34.664	5.16	23.746	416.2	0.042
20	21.97	34.592	5.28	23.937	398.0	0.083
30	20.89	34.484	5.40	24.152	377.5	0.122
50	18.49	34.137	5.46	24.512	343.2	0.194
75	15.53	33.901	4.54	25.027	294.1	0.274
100	13.12	33.879	3.45	25.522	247.1	0.343
125	12.47	34.116	2.32	25.832	217.6	0.401
150	11.92	34.373	1.28	26.137	188.6	0.453
200	11.23	34.509	0.75	26.370	166.4	0.544
250	10.57	34.532	0.50	26.508	153.4	0.626
300	9.92	34.538	0.32	26.624	142.4	0.703
400	8.64	34.492	0.24	26.798	125.8	0.844
500	7.62	34.482	0.22	26.943	112.1	0.971
600	6.58	34.469	0.18	27.078	99.3	1.086
700	5.91	34.476	0.20	27.171	90.5	1.190
800	5.34	34.486	0.23	27.250	83.0	1.286
1000	4.36	34.515	0.39	27.384	70.3	1.459

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 150070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
21 41.0N	113 48.0W	6/ 4/72	0327 GMT	3882M	330	10KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	21.30	34.43		23.999	392.0	0.000
10	21.14	34.47		24.073	385.0	0.039
20	20.65	34.41		24.160	376.7	0.077
30	20.16	34.31		24.214	371.6	0.115
50	19.10	34.20		24.405	353.4	0.187
75	15.87	33.81		24.883	307.9	0.270
100	14.15	34.03		25.427	256.1	0.342
125	12.79	34.37		25.966	204.8	0.400
150	11.98	34.45		26.186	184.0	0.449
200	11.27	34.64		26.466	157.4	0.537
250	10.86	34.67		26.563	148.1	0.616
300	10.19	34.64		26.658	139.1	0.691
400	8.66	34.55		26.840	121.9	0.828
500	7.54	34.49		26.962	110.3	0.952
600	6.57	34.48		27.089	98.3	1.065
700	5.77	34.49		27.201	87.7	1.167
800	5.22	34.50		27.275	80.6	1.261
1000	4.44	34.54		27.396	69.2	1.430

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 150080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
21 21.0N	114 26.0W	6/ 4/72	1212 GMT	3929M	320	5KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	21.68	34.53		23.971	394.8	0.000
10	21.70	34.54		23.973	394.6	0.039
20	21.56	34.54		24.011	390.9	0.079
30	21.39	34.53		24.051	387.2	0.118
50	20.54	34.42		24.197	373.2	0.194
75	18.23	34.04		24.501	344.2	0.284
100	15.10	33.74		25.000	296.7	0.365
125	12.71	33.71		25.472	251.8	0.434
150	12.17	34.18		25.940	207.3	0.493
200	11.11	34.49		26.378	165.7	0.588
250	10.45	34.57		26.559	148.6	0.669
300	9.64	34.56		26.689	136.2	0.743
400	8.53	34.55		26.860	119.9	0.878
500	7.45	34.51		26.991	107.6	1.000
600	6.51	34.52		27.129	94.5	1.109
700	5.85	34.52		27.214	86.4	1.209
800	5.38	34.52		27.272	80.9	1.302
1000	4.54	34.53		27.377	71.0	1.474

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 150090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
21 01.0N	115 03.0W	6/ 4/72	1703 GMT	3739M	340	5KT	2	330 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	22.12	34.58		23.886	402.8	0.000
10	22.12	34.58		23.886	402.8	0.040
20	22.10	34.58		23.892	402.3	0.081
30	20.70	34.44		24.169	375.8	0.120
50	19.61	34.29		24.343	359.3	0.193
75	17.22	33.88		24.624	332.6	0.280
100	14.30	33.60		25.064	290.6	0.359
125	12.45	33.86		25.639	236.0	0.425
150	11.87	34.11		25.943	207.0	0.482
200	10.83	34.33		26.305	172.7	0.579
250	10.41	34.52		26.527	151.6	0.662
300	9.98	34.60		26.663	138.7	0.738
400	8.67	34.54		26.831	122.7	0.876
500	7.71	34.53		26.969	109.7	1.000
600	6.75	34.51		27.089	98.3	1.113
700	5.88	34.49		27.187	89.0	1.215
800	5.33	34.51		27.270	81.1	1.310
1000	4.44	34.54		27.396	69.2	1.480

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 150100

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 39.5N	115 39.0W	6/ 4/72	2143 GMT	3929M	320	7KT	1	350 4 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	22.61	34.63		23.786	412.4	0.000
10	22.60	34.63		23.789	412.1	0.041
20	22.49	34.63		23.820	409.2	0.082
30	22.37	34.62		23.846	406.6	0.123
50	21.99	34.55		23.900	401.5	0.204
75	20.14	34.32		24.227	370.3	0.301
100	17.57	33.95		24.594	335.4	0.390
125	14.96	33.95		25.192	278.5	0.468
150	13.12	34.18		25.754	225.0	0.532
200	11.49	34.50		26.316	171.6	0.633
250	10.48	34.51		26.506	153.5	0.717
300	9.78	34.53		26.642	140.6	0.793
400	8.65	34.52		26.818	123.9	0.933
500	7.61	34.52		26.975	109.0	1.057
600	6.66	34.50		27.093	97.9	1.169
700	5.92	34.51		27.197	88.0	1.271
800	5.17	34.51		27.289	79.3	1.364
1000	4.37	34.55		27.411	67.7	1.531

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 150110

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 23.0N	116 16.0W	6/ 5/72	0241 GMT	3929M	330	10KT	2	340 3 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	23.04	34.66		23.685	422.0	0.000
10	23.01	34.66		23.694	421.2	0.042
20	22.40	34.65		23.860	405.3	0.084
30	21.99	34.65		23.976	394.3	0.124
50	21.10	34.45		24.069	385.4	0.202
75	17.60	33.87		24.525	342.0	0.293
100	14.75	33.69		25.038	293.2	0.373
125	12.91	33.94		25.611	238.7	0.441
150	12.38	34.25		25.954	206.0	0.497
200	11.88	34.57		26.298	173.4	0.594
250	11.20	34.63		26.471	156.9	0.679
300	10.43	34.63		26.609	143.8	0.758
400	9.10	34.58		26.794	126.3	0.900
500	7.86	34.51		26.931	113.3	1.028
600	7.08	34.50		27.035	103.4	1.145
700	6.14	34.49		27.154	92.1	1.253
800	5.37	34.50		27.257	82.3	1.350
1000	4.39	34.53		27.393	69.4	1.521

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 150110

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 23.0N	116 16.0W	6/ 5/72	0359 GMT	3929M	330	10KT	2	340 3 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	22.99	34.620	5.06	0.25	2.	0.01	0.0	423.5
10	23.00	34.616	5.11	0.22	1.	0.00	0.0	424.1
30	22.28	34.557	5.15	0.21	2.	0.00	0.0	408.8
55	21.07	34.403	5.32	0.21	2.	0.00	0.0	388.0
69	19.26	34.121	5.52	0.23	2.	0.00	0.1	363.0
84	16.91	33.826	5.57	0.28	3.	0.00	0.1	329.5
99	14.86	33.678	5.32	0.42	4.	0.04	0.1	296.3
129	12.71	34.015	2.81	1.56	17.	0.02	16.7	229.4
153	12.34	34.256	1.77	2.08	25.	0.01	22.5	204.8
177	12.06	34.468	1.05	2.42	32.	0.00	26.4	184.1
211	11.60	34.607	0.47	2.66	38.	0.00	28.2	165.6
275	10.68	34.598	0.31	2.74	39.	0.00	27.0	150.4
372	9.36	34.581	0.16	2.93	49.	0.00	29.7	130.2
468	8.26	34.531	0.16	3.05	57.	0.00	33.4	117.4
598	7.00	34.502	0.17	3.20	70.	0.00	37.4	102.2
746	5.64	34.491	0.24	3.30	88.	0.00	43.5	86.1
890	4.86	34.501	0.31	3.36	102.	0.00	44.0	76.6
1093	4.10	34.546	0.48	3.41	118.	0.00	44.4	65.3

Z	T	S	O2	SIGT	DT	DD
0	22.99	34.620	5.06	23.669	423.5	0.000
10	23.00	34.616	5.11	23.668	424.1	0.042
20	22.72	34.596	5.13	23.729	417.9	0.085
30	22.28	34.557	5.15	23.824	408.8	0.126
50	21.43	34.457	5.27	23.984	393.5	0.206
75	18.33	33.993	5.54	24.441	350.0	0.300
100	14.75	33.684	5.25	25.032	293.8	0.381
125	12.87	33.951	3.18	25.626	237.2	0.448
150	12.35	34.229	1.87	25.942	207.1	0.505
200	11.75	34.581	0.61	26.329	170.4	0.601
250	11.04	34.602	0.37	26.478	156.2	0.685
300	10.32	34.597	0.26	26.600	144.6	0.764
400	9.02	34.568	0.16	26.796	126.0	0.906
500	7.93	34.522	0.16	26.928	113.5	1.034
600	6.98	34.502	0.17	27.051	101.9	1.151
700	6.03	34.492	0.21	27.169	90.7	1.257
800	5.30	34.493	0.26	27.260	82.1	1.353
1000	4.40	34.522	0.39	27.386	70.2	1.525

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 157010

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
22 33.0N	109 23.0W	6/ 7/72	0339 GMT	2980M	280	24KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	25.09	34.84		23.214	466.9	0.000
10	24.39	34.82		23.410	448.2	0.046
20	17.14	34.26		24.933	303.1	0.083
30	15.57	34.38		25.388	259.8	0.112
50	14.48	34.47		25.695	230.6	0.161
75	13.42	34.63		26.040	197.8	0.215
100	12.81	34.69		26.210	181.7	0.263
125	12.24	34.68		26.314	171.8	0.308
150	12.05	34.74		26.397	163.9	0.351
200	11.36	34.74		26.527	151.6	0.432
250	10.74	34.69		26.600	144.6	0.508
300	10.10	34.66		26.689	136.2	0.582
400	8.86	34.60		26.848	121.1	0.717
500	7.70	34.55		26.986	108.1	0.840
600	6.65	34.51		27.102	97.0	0.951
700	5.89	34.51		27.201	87.6	1.053
800	5.37	34.52		27.273	80.8	1.147
1000	4.33	34.54		27.408	68.1	1.315

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 157020

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
22 13.0N	109 59.5W	6/ 6/72	2116 GMT	3169M	290	11KT	1	300 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	24.74	34.88		23.351	453.9	0.000
10	24.24	34.85		23.478	441.8	0.045
20	23.96	34.84		23.553	434.6	0.089
30	18.83	34.31		24.557	338.9	0.127
50	15.04	34.41		25.528	246.5	0.186
75	13.45	34.56		25.980	203.5	0.243
100	12.64	34.65		26.213	181.4	0.292
125	12.23	34.71		26.339	169.4	0.336
150	11.91	34.75		26.431	160.6	0.378
200	11.15	34.71		26.542	150.1	0.458
250	10.55	34.68		26.626	142.1	0.534
300	9.92	34.64		26.705	134.7	0.606
400	8.50	34.58		26.889	117.3	0.739
500	7.63	34.56		27.004	106.3	0.859
600	6.61	34.53		27.123	95.0	0.968
700	5.91	34.53		27.215	86.4	1.068
800	5.38	34.53		27.280	80.2	1.161
1000	4.50	34.55		27.397	69.1	1.330

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 157020

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
22 13.0N	109 59.5W	6/ 6/72	2221 GMT	3169M	290	11KT	1	300 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	24.61	34.829	5.08	0.61	2.	0.01	0.0	453.9
11	24.10	34.803	5.18	0.45	2.	0.00	0.0	441.2
29	18.43	34.334	5.21	0.73	5.	0.09	0.0	327.6
54	15.02	34.412	1.69	2.14	19.	0.32	17.5	245.9
69	13.43	34.305	1.58	2.14	22.	0.04	21.0	221.8
83	13.47	34.550	0.50	2.57	30.	0.01	25.0	204.6
98	12.65	34.533	0.73	2.56	34.	0.00	25.8	190.2
127	12.36	34.686	0.27	2.76	35.	0.00	27.5	173.6
152	12.01	34.700	0.21	2.74	37.	0.00	27.2	166.1
176	11.66	34.711	0.18	2.77	39.	0.00	27.8	159.0
210	11.19	34.688	0.13	2.82	40.	0.00	27.1	152.5
274	10.30	34.621	0.15	2.84	54.	0.00	26.2	142.3
371	8.89	34.554	0.10	3.04	62.	0.00	30.8	125.0
468	7.94	34.538	0.10	3.17	74.	0.00	33.4	112.3
601	6.75	34.512	0.09	3.31	90.	0.00	38.0	98.2
750	5.64	34.509	0.15	3.39	91.	0.00	43.1	84.8
895	4.92	34.521	0.16	3.47	103.	0.00	44.6	75.7
1098	4.13	34.544	0.43	3.46	117.	0.00	44.6	65.8

Z	T	S	O2	SIGT	DT	DD
0	24.61	34.829	5.08	23.351	453.9	0.000
10	24.18	34.808	5.17	23.463	443.2	0.045
20	23.00	34.730	5.20	23.750	415.8	0.088
30	18.29	34.374	5.07	24.740	321.5	0.125
50	15.57	34.525	2.25	25.500	249.2	0.182
75	13.45	34.418	1.10	25.871	213.9	0.240
100	12.63	34.549	0.71	26.136	188.7	0.291
125	12.38	34.681	0.31	26.287	174.4	0.337
150	12.04	34.702	0.21	26.368	166.6	0.381
200	11.33	34.698	0.14	26.500	154.1	0.463
250	10.64	34.648	0.14	26.586	146.0	0.541
300	9.90	34.599	0.14	26.674	137.6	0.615
400	8.58	34.547	0.10	26.851	120.9	0.751
500	7.64	34.531	0.10	26.980	108.6	0.874
600	6.76	34.513	0.09	27.089	98.3	0.986
700	5.98	34.508	0.13	27.188	88.9	1.089
800	5.36	34.513	0.15	27.268	81.3	1.184
1000	4.48	34.533	0.26	27.385	70.2	1.355

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 157030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
21 53.0N	110 38.0W	6/ 6/72	1559 GMT	2415M	320	10KT	1	310 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	21.79	34.53		23.940	397.7	0.000
10	21.75	34.53		23.951	396.6	0.040
20	21.68	34.51		23.956	396.2	0.079
30	19.55	34.15		24.252	368.0	0.118
50	16.05	33.91		24.919	304.5	0.185
75	13.21	34.02		25.612	238.5	0.254
100	13.42	34.57		25.994	202.2	0.309
125	12.76	34.65		26.189	183.7	0.358
150	12.20	34.69		26.329	170.3	0.403
200	11.34	34.68		26.484	155.7	0.487
250	10.53	34.64		26.599	144.8	0.565
300	9.79	34.60		26.695	135.6	0.638
400	8.45	34.53		26.857	120.2	0.773
500	7.51	34.52		26.990	107.7	0.894
600	6.74	34.53		27.106	96.7	1.005
700	5.81	34.51		27.211	86.7	1.106
800	5.21	34.51		27.284	79.8	1.199
1000	4.35	34.54		27.406	68.3	1.366

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 157040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
21 29.0N	111 13.5W	6/ 6/72	1019 GMT	3357M	330	6KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	21.81	34.55		23.950	396.8	0.000
10	21.72	34.55		23.975	394.4	0.040
20	21.56	34.56		24.027	389.4	0.079
30	21.33	34.55		24.082	384.1	0.118
50	19.15	34.23		24.415	352.4	0.192
75	15.85	34.09		25.102	287.0	0.272
100	13.63	34.08		25.573	242.2	0.339
125	12.85	34.53		26.078	194.2	0.394
150	12.12	34.48		26.182	184.3	0.442
200	11.61	34.62		26.387	164.9	0.532
250	11.09	34.73		26.568	147.6	0.612
300	10.25	34.60		26.617	143.1	0.688
400	9.13	34.59		26.797	126.0	0.830
500	7.66	34.54		26.984	108.2	0.955
600	6.74	34.53		27.106	96.7	1.067
700	5.88	34.52		27.210	86.8	1.168
800	5.30	34.52		27.282	80.0	1.260
1000	4.35	34.55		27.413	67.5	1.428

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 157050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
21 12.5N	111 52.0W	6/ 6/72	0515 GMT	3545M	300	7KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	23.98	34.75		23.479	441.6	0.000
10	23.98	34.76		23.487	440.9	0.044
20	23.17	34.56		23.572	432.8	0.088
30	21.18	34.42		24.024	389.6	0.129
50	19.33	34.18		24.331	360.4	0.204
75	17.31	34.31		24.931	303.3	0.288
100	15.45	34.47		25.483	250.7	0.358
125	14.02	34.63		25.916	209.6	0.416
150	13.20	34.75		26.178	184.7	0.466
200	12.04	34.78		26.430	160.8	0.555
250	11.56	34.79		26.528	151.4	0.636
300	10.45	34.70		26.660	139.0	0.712
400	9.19	34.66		26.841	121.7	0.849
500	7.57	34.53		26.989	107.7	0.972
600	6.77	34.52		27.094	97.8	1.084
700	5.97	34.51		27.191	88.6	1.186
800	5.34	34.52		27.277	80.5	1.280
1000	4.41	34.54		27.399	68.9	1.450

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 157060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 53.0N	112 29.0W	6/ 5/72	2302 GMT	3739M	310	2KT	2	310 2 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	24.45	34.77		23.355	453.5	0.000
10	24.07	34.75		23.453	444.2	0.045
20	23.14	34.66		23.657	424.7	0.088
30	21.36	34.50		24.036	388.5	0.129
50	19.09	34.31		24.491	345.1	0.203
75	16.75	34.34		25.087	288.5	0.283
100	14.47	34.53		25.744	226.0	0.347
125	12.91	34.57		26.097	192.4	0.401
150	12.54	34.66		26.240	178.8	0.448
200	11.88	34.78		26.460	157.9	0.534
250	11.11	34.72		26.557	148.7	0.614
300	10.21	34.67		26.678	137.2	0.688
400	8.88	34.60		26.845	121.5	0.825
500	7.63	34.53		26.980	108.6	0.948
600	6.49	34.49		27.108	96.5	1.059
700	5.80	34.51		27.213	86.6	1.160
800	5.27	34.52		27.285	79.7	1.252
1000	4.40	34.53		27.392	69.5	1.421

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 157060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 53.0N	112 29.0W	6/ 6/72	0018 GMT	3739M	310	2KT	2	310 2 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	24.55	34.726	5.01	0.31	2.	0.00	0.1	459.6
10	24.10	34.709	5.04	0.28	2.	0.00	0.0	448.0
30	21.80	34.450	5.45	0.37	2.	0.00	0.0	403.7
54	18.79	34.255	4.53	0.72	4.	0.10	2.3	341.9
69	17.42	34.352	3.03	1.34	10.	0.19	11.4	304.2
84	16.35	34.382	2.10	1.76	15.	0.05	16.7	276.6
99	15.35	34.471	1.32	1.76	15.	0.05	17.7	248.5
128	12.98	34.550	0.63	2.17	19.	0.03	22.1	195.2
153	12.58	34.642	0.34	2.55	28.	0.00	26.3	180.9
177	12.28	34.709	0.24	2.70	33.	0.00	27.9	170.4
212	11.84	34.726	0.18	2.70	34.	0.00	28.2	161.2
276	10.58	34.631	0.25	2.80	39.	0.00	27.6	146.3
374	9.31	34.603	0.12	2.99	51.	0.03	29.9	127.8
471	8.13	34.533	0.16	3.13	59.	0.00	35.5	115.4
603	6.42	34.473	0.21	3.26	77.	0.00	40.8	96.9
754	5.50	34.493	0.23	3.36	91.	0.00	44.7	84.3
899	4.80	34.514	0.29	3.40	104.	0.00	46.6	75.0
1102	4.08	34.543	0.51	3.42	118.	0.00	47.0	65.3

Z	T	S	O2	SIGT	DT	DD
0	24.55	34.726	5.01	23.291	459.6	0.000
10	24.10	34.709	5.04	23.413	448.0	0.045
20	23.08	34.592	5.28	23.622	428.0	0.089
30	21.80	34.450	5.45	23.877	403.7	0.131
50	19.27	34.269	4.80	24.415	352.5	0.207
75	16.97	34.352	2.61	25.044	292.6	0.288
100	15.26	34.474	1.28	25.529	246.3	0.356
125	13.19	34.543	0.67	26.020	199.8	0.413
150	12.63	34.644	0.36	26.209	181.7	0.461
200	12.00	34.729	0.19	26.397	163.9	0.550
250	11.11	34.675	0.21	26.522	152.0	0.631
300	10.23	34.621	0.22	26.636	141.2	0.708
400	8.99	34.587	0.13	26.815	124.2	0.848
500	7.72	34.514	0.17	26.954	111.1	0.974
600	6.45	34.474	0.21	27.099	97.3	1.086
700	5.75	34.483	0.22	27.196	88.1	1.188
800	5.26	34.500	0.24	27.270	81.1	1.282
1000	4.40	34.530	0.38	27.391	69.7	1.452

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 1576040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
22 48.0N	108 55.5W	6/ 7/72	0813 GMT	2980M	260	6KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	26.27	34.95		22.933	493.8	0.000
10	26.26	34.95		22.936	493.6	0.049
20	19.44	34.17		24.295	363.8	0.092
30	17.05	34.23		24.932	303.2	0.126
50	16.19	34.65		25.454	253.5	0.182
75	14.94	34.74		25.803	220.3	0.241
100	13.81	34.77		26.068	195.1	0.294
125	13.15	34.83		26.250	177.9	0.341
150	12.90	34.85		26.315	171.6	0.386
200	11.95	34.79		26.455	158.4	0.471
250	11.28	34.76		26.557	148.7	0.550
300	10.68	34.71		26.627	142.1	0.626
400	9.23	34.62		26.804	125.3	0.767
500	7.92	34.55		26.953	111.1	0.894
600	6.99	34.53		27.071	99.9	1.009
700	6.25	34.52		27.163	91.3	1.114
800	5.59	34.53		27.254	82.6	1.211
1000	4.55	34.54		27.384	70.3	1.384

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 1576070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 01.0N	108 25.0W	6/ 7/72	1243 GMT	2790M	250	3KT	1	230 3 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	26.47	35.07		22.960	491.2	0.000
									10	24.04	35.02		23.665	423.9	0.046
									20	20.69	35.01		24.605	334.3	0.084
									30	18.19	34.93		25.190	278.6	0.114
									50	15.42	34.72		25.682	231.8	0.166
									75	13.96	34.79		26.052	196.7	0.220
									100	13.46	34.82		26.179	184.6	0.268
									125	12.74	34.82		26.324	170.8	0.313
									150	12.45	34.81		26.373	166.1	0.356
									200	11.57	34.74		26.488	155.3	0.439
									250	10.98	34.73		26.588	145.7	0.517
									300	10.28	34.68		26.674	137.7	0.591
									400	8.92	34.61		26.846	121.3	0.727
									500	7.68	34.55		26.989	107.8	0.850
									600	6.85	34.53		27.091	98.1	0.962
									700	6.00	34.51		27.187	89.0	1.065
									800	5.48	34.53		27.268	81.3	1.160
									1000	4.53	34.55		27.394	69.4	1.331

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 1576070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 01.0N	108 25.0W	6/ 7/72	1334 GMT	2790M	250	3KT	1	230 3 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	26.48	35.021	4.80	0.52	2.	0.00	0.0	495.1	0	26.48	35.021	4.80	22.920	495.1	0.000
10	26.49	35.019	4.88	0.48	2.	0.00	0.0	495.5	10	26.49	35.019	4.88	22.915	495.5	0.050
30	19.04	34.936	4.06	1.36	9.	0.25	4.4	298.5	20	23.13	34.933	4.65	23.865	404.9	0.095
55	15.35	34.692	0.86	2.45	24.	0.02	21.3	232.4	30	19.04	34.936	4.06	24.981	298.5	0.130
70	14.94	34.759	0.83	2.61	27.	0.01	22.7	218.9	50	15.69	34.700	1.44	25.606	239.0	0.184
85	14.12	34.719	0.42	2.74	30.	0.00	24.4	205.1	75	14.67	34.747	0.70	25.868	214.2	0.241
100	13.70	34.764	0.36	2.79	33.	0.00	26.1	193.4	100	13.70	34.764	0.36	26.086	193.4	0.293
130	12.87	34.768	0.18	2.77	35.	0.00	26.3	177.1	125	13.00	34.773	0.20	26.236	179.1	0.340
155	12.44	34.739	0.24	2.77	36.	0.00	26.7	171.2	150	12.52	34.746	0.23	26.310	172.1	0.385
180	12.00	34.730	0.15	2.74	36.	0.00	27.1	163.8	200	11.72	34.729	0.11	26.450	158.8	0.470
214	11.54	34.727	0.09	2.78	38.	0.05	26.6	155.7	250	11.06	34.714	0.10	26.562	148.2	0.549
278	10.69	34.699	0.13	2.83	40.	1.19	24.0	143.1	300	10.43	34.687	0.13	26.652	139.7	0.624
375	9.53	34.631	0.10	2.98	49.	0.79	27.3	129.2	400	9.15	34.607	0.10	26.807	125.0	0.764
471	8.07	34.545	0.10	3.15	63.	0.00	33.4	113.6	500	7.72	34.531	0.10	26.967	109.8	0.890
601	6.74	34.504	0.10	3.24	76.	0.00	38.1	98.6	600	6.75	34.505	0.10	27.084	98.7	1.003
749	5.73	34.514	0.11	3.40	91.	0.00	44.6	85.4	700	6.02	34.509	0.11	27.183	89.3	1.106
894	4.98	34.518	0.17	3.43	103.	0.00	46.2	76.6	800	5.44	34.516	0.12	27.260	82.0	1.202
1101	4.15	34.543	0.42	3.46	120.	0.00	47.1	66.0	1000	4.52	34.529	0.27	27.378	70.9	1.375

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 1576100

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 17.0N	107 58.0W	6/ 7/72	1853 GMT	2602M	290	3KT	1	280 2 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	27.30	35.06		22.688	517.2	0.000
									10	26.21	35.06		23.034	484.1	0.050
									20	24.48	34.92		23.459	443.6	0.097
									30	22.57	34.73		23.873	404.1	0.139
									50	18.75	34.79		24.943	302.1	0.210
									75	14.53	34.85		25.977	203.8	0.274
									100	13.51	34.78		26.138	188.5	0.323
									125	12.92	34.82		26.288	174.2	0.369
									150	12.39	34.82		26.393	164.3	0.413
									200	11.75	34.78		26.485	155.6	0.495
									250	11.09	34.73		26.568	147.6	0.573
									300	10.44	34.71		26.669	138.1	0.648
									400	9.11	34.64		26.839	122.0	0.785
									500	7.95	34.57		26.965	110.1	0.910
									600	7.04	34.56		27.088	98.4	1.023
									700	6.09	34.54		27.199	87.8	1.126
									800	5.48	34.53		27.268	81.3	1.220
									1000	4.54	34.55		27.393	69.5	1.391

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 1576130

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 33.5N	107 31.0W	6/ 7/72	2240 GMT	1058M	320	14KT	1	280 2 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	29.27	34.59		21.687	613.0	0.000
10	28.79	34.79		21.998	583.3	0.060
20	28.00	35.17		22.544	531.0	0.116
30	27.55	35.10		22.637	522.1	0.168
50	22.17	34.74		23.993	392.6	0.260
75	16.84	34.71		25.349	263.5	0.343
100	14.28	34.73		25.938	207.5	0.402
125	13.61	34.84		26.163	186.1	0.452
150	12.96	34.85		26.303	172.8	0.498
200	12.28	34.86		26.445	159.3	0.583
250	11.77	34.82		26.512	153.0	0.664
300	11.13	34.78		26.600	144.6	0.742
400	9.74	34.67		26.758	129.6	0.887
500	8.44	34.62		26.929	113.4	1.017
600	7.23	34.58		27.077	99.4	1.133
700	6.16	34.54		27.190	88.7	1.237
800	5.47	34.55		27.285	79.7	1.331
1000	4.49	34.56		27.406	68.2	1.499

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 1576150

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 43.0N	107 12.0W	6/ 8/72	0142 GMT	76M	290	12KT	1	310 3 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	29.09	34.56		21.725	609.4	0.000
10	29.05	34.56		21.739	608.1	0.061
20	28.63	34.60		21.908	591.9	0.121
30	27.16	34.55		22.350	549.6	0.178
50	23.53	34.51		23.430	446.4	0.278

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 1576150

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
23 43.0N	107 12.0W	6/ 8/72	0216 GMT	76M	290	12KT	1	310 3 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	29.07	34.564	4.70	0.20	1.	0.01	0.0	608.5
10	29.06	34.562	4.69	0.20	1.	0.01	0.0	608.3
20	28.89	34.567	4.76	0.22	1.	0.02	0.0	602.5
30	28.13	34.554	4.87	0.27	1.	0.01	0.0	579.4
50	23.65	34.468	2.80	1.07	5.	0.07	8.5	452.7

Z	T	S	O2	SIGT	DT	DD
0	29.07	34.564	4.70	21.735	608.5	0.000
10	29.06	34.562	4.69	21.737	608.3	0.061
20	28.89	34.567	4.76	21.797	602.5	0.121
30	28.13	34.554	4.87	22.039	579.4	0.181
50	23.65	34.468	2.80	23.363	452.7	0.284

		Z	T	S	O2	DT
10.005	06/07/72 1423GMT 48 05.0N 125 38.0W BOTTOM 272M WIND 310 15KT WEATHER 1 DOMINANT WAVES 310 02 07	10	10.36	31.059	8.69	406.9
10.010	06/07/72 1651GMT 47 55.0N 126 03.5W BOTTOM 1631M WIND 330 11KT WEATHER 1 DOMINANT WAVES 330 02 06	10	12.43	31.976	6.50	374.3
10.015	06/07/72 2000GMT 47 45.0N 126 28.5W BOTTOM 2222M WIND 330 10KT WEATHER 1 DOMINANT WAVES 330 02 07	10	12.30	32.090	6.49	363.6
10.025	06/08/72 0215GMT 47 25.5N 127 19.0W BOTTOM 2562M WIND 310 07KT WEATHER 1 DOMINANT WAVES 260 01 06	10	12.19	32.368	6.47	341.1
10.030	06/08/72 0450GMT 47 14.5N 127 43.0W BOTTOM 2673M WIND 360 11KT WEATHER 1 DOMINANT WAVES 360 02 06	10	11.96	32.428	6.70	332.6
10.035	06/08/72 0836GMT 47 06.0N 128 07.0W BOTTOM 2694M WIND 360 09KT WEATHER 1 DOMINANT WAVES	10	11.45	32.444	6.90	322.5
10.040	06/08/72 1120GMT 46 55.5N 128 36.0W BOTTOM 2724M WIND 360 12KT WEATHER 1 DOMINANT WAVES	10	11.56	32.588	6.74	313.8
10.045	06/08/72 1530GMT 46 45.0N 129 02.5W BOTTOM 2645M WIND 020 13KT WEATHER 1 DOMINANT WAVES 020 02 06	10	11.34	32.557	6.97	312.3
10.050	06/08/72 1735GMT 46 35.0N 129 27.5W BOTTOM 2576M WIND 060 17KT WEATHER 2 DOMINANT WAVES 060 02 06	10	11.42	32.528	7.00	315.8
10.055	06/08/72 2055GMT 46 25.0N 129 51.0W BOTTOM 2629M WIND 070 13KT WEATHER 2 DOMINANT WAVES 070 04 05	10	11.51	32.515	6.99	318.3
10.060	06/08/72 2320GMT 46 15.0N 130 16.5W BOTTOM 2081M WIND 050 14KT WEATHER 6 DOMINANT WAVES 070 03 04	10	11.17	32.663	6.86	301.5
20.015	05/14/72 0523GMT 46 01.0N 125 13.5W BOTTOM 1757M WIND 330 13KT WEATHER 0 DOMINANT WAVES	10	11.51	32.292	6.70	334.8
20.020	05/14/72 0800GMT 45 51.0N 125 38.0W BOTTOM 2120M WIND 330 13KT WEATHER DOMINANT WAVES	10	10.46	32.458	7.06	304.9
20.025	05/14/72 1121GMT 45 42.0N 126 04.0W BOTTOM 2525M WIND 340 07KT WEATHER DOMINANT WAVES	10	11.06	32.540	6.79	308.8
20.030	05/14/72 1432GMT 45 31.0N 126 27.0W BOTTOM 2709M WIND 020 12KT WEATHER 2 DOMINANT WAVES 010 04 04	10	11.94	32.535	6.65	324.3
20.035	05/14/72 1743GMT 45 21.0N 126 51.0W BOTTOM 2838M WIND 030 08KT WEATHER 1 DOMINANT WAVES 010 03 04	10	11.44	32.513	6.82	317.2
20.045	05/15/72 0050GMT 45 02.0N 127 39.5W BOTTOM 2891M WIND 210 10KT WEATHER 2 DOMINANT WAVES 010 02 03	10	10.77	32.498		307.0
20.050	05/15/72 0355GMT 44 49.0N 128 06.0W BOTTOM 2862M WIND 240 16KT WEATHER 2 DOMINANT WAVES 230 03 03	10	10.40	32.452	6.99	304.4
20.055	05/15/72 0708GMT 44 41.0N 128 28.5W BOTTOM 2832M WIND 250 15KT WEATHER DOMINANT WAVES	10	11.43	32.464	6.82	320.7
20.060	05/15/72 0955GMT 44 30.0N 128 52.0W BOTTOM 2824M WIND 250 15KT WEATHER DOMINANT WAVES	10	10.08	32.542	6.92	292.6
20.065	05/15/72 1324GMT 44 21.0N 129 18.0W BOTTOM 2648M WIND 250 15KT WEATHER 6 DOMINANT WAVES 250 05 04	10	10.23	32.603	6.88	290.4
20.070	05/15/72 1557GMT 44 11.0N 129 43.0W BOTTOM 2709M WIND 260 17KT WEATHER 1 DOMINANT WAVES 260 06 04	10	10.81	32.558	6.83	303.2
20.090	05/16/72 0345GMT 43 30.0N 131 20.0W BOTTOM 3480M WIND 360 25KT WEATHER 2 DOMINANT WAVES 360 06 06	10	10.43	32.781	6.86	280.5

		Z	T	S	O2	DT
20.100	05/16/72 0937GMT 43 12.0N 132 06.0W BOTTOM 3673M WIND 010 21KT WEATHER 2 DOMINANT WAVES	10	11.56	32.771	6.80	300.3
30.030	05/10/72 0644GMT 43 46.5N 125 08.0W BOTTOM 1479M WIND 360 13KT WEATHER 0 DOMINANT WAVES	10	9.87	32.289	7.17	308.0
30.035	05/10/72 0330GMT 43 37.5N 125 32.5W BOTTOM 2974M WIND 350 17KT WEATHER 0 DOMINANT WAVES 350 02 06	10	10.72	32.507	6.74	305.5
30.040	05/10/72 0034GMT 43 27.0N 125 57.0W BOTTOM 2973M WIND 350 11KT WEATHER 1 DOMINANT WAVES 350 03 06	10	11.19	32.600	6.53	306.5
30.045	05/09/72 2145GMT 43 16.5N 126 20.0W BOTTOM 2964M WIND 08KT WEATHER 1 DOMINANT WAVES 340 02 05	10	11.08	32.578	6.57	306.3
30.055	05/09/72 1450GMT 42 57.0N 127 06.0W BOTTOM 2690M WIND 120 04KT WEATHER 2 DOMINANT WAVES 360 01 05	10	10.06	32.495	6.87	295.7
30.060	05/09/72 1223GMT 42 47.5N 127 30.0W BOTTOM 2690M WIND 010 04KT WEATHER 1 DOMINANT WAVES	10	10.18	32.483	6.83	298.5
30.065	05/09/72 0915GMT 42 37.0N 127 53.0W BOTTOM 1812M WIND 100 06KT WEATHER 2 DOMINANT WAVES	10	9.92	32.491	6.91	293.8
30.070	05/09/72 0539GMT 42 27.0N 128 18.5W BOTTOM 3087M WIND 340 04KT WEATHER 2 DOMINANT WAVES	10	10.30	32.570	6.81	294.0
30.080	05/09/72 0102GMT 42 08.0N 129 03.0W BOTTOM 3163M WIND 270 07KT WEATHER 1 DOMINANT WAVES 270 03 05	10	10.56	32.553	6.68	299.5
40.038	05/06/72 0906GMT 41 47.5N 124 28.0W BOTTOM 187M WIND 310 07KT WEATHER 2 DOMINANT WAVES	10	8.34	33.595	4.84	188.1
40.045	05/06/72 1431GMT 41 33.0N 125 00.0W BOTTOM 1313M WIND 020 03KT WEATHER 2 DOMINANT WAVES 020 02 08	10	10.84	32.546	6.52	304.6
40.055	05/06/72 2030GMT 41 12.5N 125 47.0W BOTTOM 3069M WIND 170 11KT WEATHER 1 DOMINANT WAVES 340 02 06	10	10.68	32.461	6.70	308.3
40.060	05/06/72 2354GMT 41 02.5N 126 08.5W BOTTOM 3068M WIND 200 12KT WEATHER 1 DOMINANT WAVES 200 02 04	10	10.84	32.501	6.61	308.0
40.065	05/07/72 0241GMT 40 52.0N 126 31.0W BOTTOM 3012M WIND 200 18KT WEATHER 5 DOMINANT WAVES 200 03 04	10	10.84	32.500	6.72	308.0
40.080	05/07/72 1126GMT 40 23.0N 127 40.0W BOTTOM 1378M WIND 260 12KT WEATHER 1 DOMINANT WAVES	10	11.06	32.597	6.55	304.6
40.090	05/07/72 1757GMT 40 02.5N 128 25.0W BOTTOM 4340M WIND 290 24KT WEATHER 1 DOMINANT WAVES 260 08 07	10	11.54	32.902	6.08	290.3
50.047	05/05/72 2005GMT 39 46.0N 123 54.0W BOTTOM 104M WIND 230 04KT WEATHER 2 DOMINANT WAVES 320 01 06	10	8.63	33.843	4.75	173.9
50.055	05/05/72 1351GMT 39 30.0N 124 30.0W BOTTOM 2130M WIND 340 24KT WEATHER 2 DOMINANT WAVES 340 04 06	10	11.12	32.791	6.84	291.2
50.060	05/05/72 1100GMT 39 20.0N 124 49.0W BOTTOM 2785M WIND 340 23KT WEATHER 2 DOMINANT WAVES	10	11.18	32.806	6.44	291.1
50.065	05/05/72 0720GMT 39 10.5N 125 14.0W BOTTOM 3012M WIND 350 18KT WEATHER DOMINANT WAVES	10	11.12	32.774	6.50	292.5
50.070	05/05/72 0321GMT 39 00.0N 125 36.0W BOTTOM 3711M WIND 350 18KT WEATHER 2 DOMINANT WAVES 350 11 06	10	11.34	32.806	6.21	293.9
50.090	05/04/72 1412GMT 38 20.0N 127 04.0W BOTTOM 4493M WIND 010 25KT WEATHER 2 DOMINANT WAVES 010 10 06	10	11.29	32.823	6.58	291.8

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 TEN METER DATA

		Z	T	S	O2	DT
50.100	05/04/72 0657GMT 38 00.0N 127 50.0W BOTTOM 4493M WIND 010 17KT WEATHER 0 DOMINANT WAVES	10	11.88	32.938	6.36	293.6
60.050	04/24/72 0255GMT 37 57.5N 122 53.0W BOTTOM 48M WIND 170 17KT WEATHER 1 DOMINANT WAVES 170 02 03	10	9.54	33.783	6.01	192.1
60.052	04/24/72 0440GMT 37 54.0N 123 01.5W BOTTOM 84M WIND 180 17KT WEATHER 6 DOMINANT WAVES 02 03	10	9.44	33.760	5.66	192.3
60.055	04/24/72 0644GMT 37 47.0N 123 14.5W BOTTOM 119M WIND 230 12KT WEATHER 6 DOMINANT WAVES 02 03	10	10.54	33.110	6.44	258.0
60.065	04/24/72 1350GMT 37 27.0N 123 59.0W BOTTOM 3611M WIND 290 10KT WEATHER 1 DOMINANT WAVES 270 03 07	10	11.73	32.950	6.40	290.0
60.070	04/24/72 1733GMT 37 17.0N 124 21.0W BOTTOM 4014M WIND 300 10KT WEATHER DOMINANT WAVES 290 04 08	10	11.37	32.733	6.67	299.8
60.080	04/24/72 2231GMT 36 56.5N 125 03.5W BOTTOM 4206M WIND 330 17KT WEATHER 1 DOMINANT WAVES 300 04 12	10	12.67	33.122	6.38	294.3
60.100	04/25/72 1042GMT 36 16.5N 126 31.0W BOTTOM 4588M WIND 350 16KT WEATHER DOMINANT WAVES 320 08 04	10	13.64	33.096	6.06	314.6
70.051	04/20/72 2125GMT 36 11.5N 121 44.0W BOTTOM 223M WIND 310 11KT WEATHER 0 DOMINANT WAVES 300 02 08	10	9.50	33.846		186.8
70.053	04/20/72 1954GMT 36 06.5N 121 54.0W BOTTOM 1045M WIND 340 15KT WEATHER 0 DOMINANT WAVES 340 08 10	10	9.68	33.796		193.4
70.065	04/20/72 1110GMT 35 43.0N 122 45.0W BOTTOM 2690M WIND 340 18KT WEATHER 1 DOMINANT WAVES 350 10 06	10	11.64	32.999		284.9
70.070	04/20/72 0720GMT 35 34.5N 123 07.0W BOTTOM 3635M WIND 350 22KT WEATHER 1 DOMINANT WAVES 10 05	10	12.26	32.911		302.4
70.080	04/20/72 0205GMT 35 14.0N 123 48.0W BOTTOM 4021M WIND 340 18KT WEATHER 1 DOMINANT WAVES 330 08 06	10	12.44	33.176		286.1
80.051	04/13/72 0600GMT 34 26.0N 120 32.5W BOTTOM 145M WIND 270 11KT WEATHER 2 DOMINANT WAVES	10	13.09	33.559		270.1
80.052	04/13/72 0735GMT 34 24.5N 120 36.5W BOTTOM 290M WIND 290 16KT WEATHER 5 DOMINANT WAVES	10	12.51	33.570		258.4
80.055	04/13/72 0935GMT 34 19.0N 120 47.5W BOTTOM 733M WIND 320 20KT WEATHER 2 DOMINANT WAVES	10	11.56	33.648		235.6

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 TEN METER DATA

		Z	T	S	O2	DT
90.028	04/18/72 0533GMT 33 28.5N 117 46.5W BOTTOM 316M WIND 120 10KT WEATHER DOMINANT WAVES	10	13.53	33.533		280.4
90.032	04/18/72 0835GMT 33 20.5N 118 03.0W BOTTOM 722M WIND 250 12KT WEATHER DOMINANT WAVES	10	15.63	33.517		324.2
90.045	04/18/72 1717GMT 32 54.5N 118 55.5W BOTTOM 1664M WIND 310 22KT WEATHER 1 DOMINANT WAVES 310 12 05	10	14.49	33.522		300.2
90.053	04/18/72 2229GMT 32 39.0N 119 28.5W BOTTOM 1202M WIND 330 20KT WEATHER 1 DOMINANT WAVES 310 10 06	10	13.12	33.459	6.14	278.0
90.060	04/19/72 0245GMT 32 25.0N 119 57.5W BOTTOM 929M WIND 340 22KT WEATHER 0 DOMINANT WAVES 310 15 06	10	13.78	33.429	6.19	292.9
90.080	04/19/72 1413GMT 31 45.0N 121 19.0W BOTTOM 3737M WIND 310 16KT WEATHER 1 DOMINANT WAVES 310 10 07	10	14.42	33.392	6.02	308.3

		Z	T	S	O2	DT
90.090	04/19/72 1940GMT 31 24.0N 122 01.0W BOTTOM 3926M WIND 340 18KT WEATHER 1 DOMINANT WAVES 340 10 06	10	13.76	33.233	6.15	306.9
90.100	04/20/72 0059GMT 31 05.0N 122 39.0W BOTTOM 4308M WIND 360 16KT WEATHER 1 DOMINANT WAVES 350 10 06	10	13.80	33.051	6.17	321.0
90.140	04/20/72 1903GMT 29 45.0N 125 20.0W BOTTOM 4498M WIND 020 07KT WEATHER 1 DOMINANT WAVES 360 05 07	10		33.506	5.89	
100.029	05/05/72 0927GMT 31 42.0N 116 44.5W BOTTOM 205M WIND 310 06KT WEATHER DOMINANT WAVES	10	15.19	33.592	7.66	309.4
100.030	05/05/72 0801GMT 31 40.5N 116 46.5W BOTTOM 427M WIND 310 10KT WEATHER DOMINANT WAVES	10	16.46	33.587	7.81	337.0
100.035	05/05/72 0451GMT 31 27.5N 117 07.0W BOTTOM 1202M WIND 290 10KT WEATHER DOMINANT WAVES	10	15.08	33.558	8.07	309.6
100.050	05/04/72 1939GMT 31 01.0N 118 06.0W BOTTOM 1763M WIND 300 06KT WEATHER 2 DOMINANT WAVES 290 02 03	10	15.66	33.588	6.00	319.6
100.060	05/04/72 1354GMT 30 40.5N 118 47.5W BOTTOM 3075M WIND 290 09KT WEATHER 2 DOMINANT WAVES 290 01 03	10	16.00	33.662	5.97	321.5
100.070	05/04/72 0659GMT 30 20.5N 119 27.0W BOTTOM 3737M WIND 280 07KT WEATHER DOMINANT WAVES	10	15.28	33.527	6.02	316.1
100.090	05/03/72 1955GMT 29 40.5N 120 47.0W BOTTOM 3926M WIND 280 10KT WEATHER 2 DOMINANT WAVES 270 02 06	10	16.00	33.649	5.97	322.4
100.100	05/03/72 1450GMT 29 20.0N 121 26.5W BOTTOM 4068M WIND 270 06KT WEATHER 2 DOMINANT WAVES 320 02 05	10	15.36	33.495	6.07	320.1
100.140	05/02/72 2151GMT 28 00.0N 124 04.0W BOTTOM 4507M WIND 310 01KT WEATHER 1 DOMINANT WAVES 360 02 05	10	16.17	33.679	5.97	323.9
110.032	05/09/72 1220GMT 29 51.0N 115 50.0W BOTTOM 52M WIND 340 10KT WEATHER DOMINANT WAVES	10	11.47	33.761	4.84	225.7
110.035	05/09/72 1428GMT 29 46.0N 116 00.0W BOTTOM 1114M WIND 340 19KT WEATHER 2 DOMINANT WAVES 310 03 04	10	13.20	33.521	6.11	274.9
110.045	05/09/72 2114GMT 29 28.0N 116 39.0W BOTTOM 1298M WIND 320 20KT WEATHER 1 DOMINANT WAVES 310 08 05	10	16.02	33.628	5.96	324.4
110.050	05/10/72 0035GMT 29 16.5N 116 59.0W BOTTOM 3926M WIND 320 22KT WEATHER 1 DOMINANT WAVES 310 08 05	10	16.22	33.631	5.98	328.5
110.055	05/10/72 0319GMT 29 06.5N 117 18.5W BOTTOM 3498M WIND 320 23KT WEATHER DOMINANT WAVES	10	16.15	33.631	5.98	327.0
110.060	05/10/72 0629GMT 28 56.5N 117 39.0W BOTTOM 3737M WIND 330 22KT WEATHER DOMINANT WAVES	10	16.30	33.664	6.02	327.8
110.070	05/10/72 1120GMT 28 36.5N 118 18.0W BOTTOM 3926M WIND 330 18KT WEATHER DOMINANT WAVES	10	16.63	33.728	5.94	330.4
120.024	05/12/72 2311GMT 28 25.0N 114 10.5W BOTTOM 32M WIND 320 08KT WEATHER 2 DOMINANT WAVES 300 03 03	10	14.74	33.725		290.4
120.025	05/12/72 2211GMT 28 22.5N 114 15.0W BOTTOM 56M WIND 320 12KT WEATHER 2 DOMINANT WAVES 300 01 03	10	14.86	33.719		293.3
120.030	05/12/72 1922GMT 28 10.5N 114 37.5W BOTTOM 93M WIND 310 05KT WEATHER 2 DOMINANT WAVES 300 01 03	10	13.42	33.628	6.32	271.3
120.035	05/12/72 1700GMT 28 03.0N 114 54.0W BOTTOM 82M WIND 300 05KT WEATHER 2 DOMINANT WAVES 340 02 03	10	14.60	33.560		299.6

		Z	T	S	O2	DT
120.040	05/12/72 10276MT 27 55.0N 115 17.0W BOTTOM 71M WIND 340 10KT WEATHER DOMINANT WAVES	10	13.76	33.715		271.5
120.045	05/12/72 03556MT 27 43.0N 115 33.0W BOTTOM 2415M WIND 330 16KT WEATHER DOMINANT WAVES	10	14.06	33.546	6.46	289.8
120.060	05/11/72 17136MT 27 13.0N 116 30.5W BOTTOM 3737M WIND 320 10KT WEATHER 2 DOMINANT WAVES 270 05 08	10	16.24	33.571	6.36	333.3
120.070	05/11/72 11586MT 26 53.0N 117 10.0W BOTTOM 3926M WIND 330 14KT WEATHER DOMINANT WAVES	10	17.21	33.784	6.34	339.3
130.028	05/13/72 14386MT 26 33.5N 113 21.0W BOTTOM 56M WIND 240 05KT WEATHER 4 DOMINANT WAVES 270 03 03	10	13.32	34.147		231.3
130.030	05/13/72 16116MT 26 29.0N 113 29.0W BOTTOM 80M WIND 280 03KT WEATHER 4 DOMINANT WAVES 250 02 03	10	12.51	33.956		230.0
130.035	05/13/72 18546MT 26 19.0N 113 48.0W BOTTOM 929M WIND 280 07KT WEATHER 4 DOMINANT WAVES 280 02 03	10	15.06	33.712		298.0
130.050	05/14/72 04186MT 25 49.5N 114 47.0W BOTTOM 3641M WIND 300 15KT WEATHER DOMINANT WAVES	10	17.55	33.912	6.07	337.7
130.060	05/14/72 12116MT 25 29.0N 115 24.0W BOTTOM 3641M WIND 330 12KT WEATHER DOMINANT WAVES	10	17.61	33.910	6.12	339.3
130.080	05/14/72 22576MT 24 50.0N 116 35.5W BOTTOM 4021M WIND 350 06KT WEATHER 1 DOMINANT WAVES 360 03 05	10	19.08	34.213	5.68	351.9
130.090	05/15/72 04436MT 24 26.0N 117 17.0W BOTTOM 3929M WIND 300 06KT WEATHER DOMINANT WAVES	10	19.20	34.261	5.64	351.4
140.030	06/02/72 12006MT 24 45.0N 112 24.0W BOTTOM 112M WIND 350 05KT WEATHER DOMINANT WAVES	10	15.88	33.969	5.43	296.5
140.035	06/02/72 09266MT 24 35.5N 112 42.5W BOTTOM 1058M WIND 090 03KT WEATHER DOMINANT WAVES	10	18.42	33.897		359.1
140.045	06/02/72 02556MT 24 16.0N 113 22.0W BOTTOM 3545M WIND 290 07KT WEATHER DOMINANT WAVES	10	20.02	34.299		368.8
140.050	06/02/72 00166MT 24 06.0N 113 40.0W BOTTOM 3169M WIND 290 05KT WEATHER 1 DOMINANT WAVES 290 02 08	10	21.36	34.521	5.26	387.0
140.055	06/01/72 21276MT 23 55.5N 113 58.5W BOTTOM 4116M WIND 280 04KT WEATHER 1 DOMINANT WAVES 280 02 06	10	20.89	34.503		376.1
140.070	06/01/72 12486MT 23 25.0N 114 55.0W BOTTOM 3737M WIND 250 02KT WEATHER DOMINANT WAVES	10	19.04	34.146	5.51	355.8
140.080	06/01/72 07536MT 23 05.0N 115 33.0W BOTTOM 4121M WIND 330 01KT WEATHER DOMINANT WAVES	10	19.46	34.138	5.56	366.7
140.090	06/01/72 02466MT 22 42.0N 116 11.5W BOTTOM 4121M WIND 350 03KT WEATHER 1 DOMINANT WAVES 310 03 05	10	19.92	34.261	5.37	369.1
140.120	05/31/72 07406MT 21 44.5N 118 01.0W BOTTOM 4121M WIND 330 03KT WEATHER DOMINANT WAVES	10	20.36	34.358	5.35	373.1
150.019	06/02/72 23176MT 23 24.0N 110 39.0W BOTTOM 251M WIND 300 13KT WEATHER 0 DOMINANT WAVES 310 03 04	10	19.96	34.407		359.5
150.030	06/03/72 06086MT 23 02.0N 111 20.0W BOTTOM 2602M WIND 330 16KT WEATHER 0 DOMINANT WAVES	10	24.74	35.215	5.00	429.8
150.035	06/03/72 08336MT 22 52.0N 111 38.5W BOTTOM 3169M WIND 330 12KT WEATHER 0 DOMINANT WAVES	10	21.37	34.540		385.9

		Z	T	S	O2	DT
150.040	06/03/72 1150GMT 22 41.5N 111 56.5W BOTTOM 3357M WIND 340 12KT WEATHER 0 DOMINANT WAVES	10	20.23	34.060	5.54	391.4
150.045	06/03/72 1423GMT 22 31.0N 112 14.5W BOTTOM 3357M WIND 340 05KT WEATHER 1 DOMINANT WAVES 340 03 05	10	21.54	34.524		391.5
150.050	06/03/72 1710GMT 22 21.0N 112 34.0W BOTTOM 3545M WIND 330 07KT WEATHER 1 DOMINANT WAVES 330 03 04	10	22.80	34.637	5.14	417.1
150.055	06/03/72 1947GMT 22 11.0N 112 53.0W BOTTOM 3545M WIND 320 12KT WEATHER 1 DOMINANT WAVES 320 03 05	10	22.25	34.562		407.6
150.070	06/04/72 0411GMT 21 41.0N 113 48.0W BOTTOM 3882M WIND 330 10KT WEATHER DOMINANT WAVES	10	21.14	34.444	5.31	386.9
150.080	06/04/72 1258GMT 21 21.0N 114 26.0W BOTTOM 3929M WIND 320 05KT WEATHER DOMINANT WAVES	10	21.68	34.498	5.22	397.1
150.090	06/04/72 1745GMT 21 01.0N 115 03.0W BOTTOM 3739M WIND 340 05KT WEATHER 2 DOMINANT WAVES 330 03 04	10	22.13	34.544	5.13	405.7
150.100	06/04/72 2236GMT 20 39.5N 115 39.0W BOTTOM 3929M WIND 320 07KT WEATHER 1 DOMINANT WAVES 350 04 04	10	22.56	34.584	5.15	414.4
157.010	06/07/72 0422GMT 22 33.0N 109 23.0W BOTTOM 2980M WIND 280 24KT WEATHER DOMINANT WAVES	10	24.63	34.764		459.1
157.015	06/07/72 0113GMT 22 23.0N 109 42.0W BOTTOM 3169M WIND 270 15KT WEATHER 1 DOMINANT WAVES 300 04 03	10		34.495		
157.025	06/06/72 1904GMT 22 02.5N 110 19.0W BOTTOM 3169M WIND 270 09KT WEATHER 1 DOMINANT WAVES 300 03 04	10	23.92	34.878		430.7
157.030	06/06/72 1640GMT 21 53.0N 110 38.0W BOTTOM 2415M WIND 320 10KT WEATHER 1 DOMINANT WAVES 310 03 04	10	21.74	34.501	5.23	398.4
157.035	06/06/72 1348GMT 21 42.0N 110 55.5W BOTTOM 3357M WIND 320 09KT WEATHER 1 DOMINANT WAVES 320 03 05	10	22.30	34.680		400.4
157.040	06/06/72 1107GMT 21 29.0N 111 13.5W BOTTOM 3357M WIND 330 06KT WEATHER DOMINANT WAVES	10	21.82	34.514	5.20	399.6
157.045	06/06/72 0812GMT 21 22.5N 111 33.0W BOTTOM 3169M WIND 330 07KT WEATHER DOMINANT WAVES	10		34.519		
157.050	06/06/72 0555GMT 21 12.5N 111 52.0W BOTTOM 3545M WIND 300 07KT WEATHER DOMINANT WAVES	10	23.97	34.712	5.00	444.1
157.055	06/06/72 0301GMT 21 02.0N 112 10.5W BOTTOM 3549M WIND 300 08KT WEATHER DOMINANT WAVES	10	24.21	34.730		449.6
1576.025	06/07/72 0623GMT 22 41.0N 109 10.0W BOTTOM 3075M WIND 260 08KT WEATHER DOMINANT WAVES	10	23.28	34.583		434.1
1576.040	06/07/72 0902GMT 22 48.0N 108 55.5W BOTTOM 2980M WIND 260 06KT WEATHER DOMINANT WAVES	10	26.24	34.938	4.23	493.8
1576.055	06/07/72 1100GMT 22 55.5N 108 40.0W BOTTOM 3075M WIND 240 06KT WEATHER DOMINANT WAVES	10	26.16	34.972		489.0
1576.085	06/07/72 1603GMT 23 10.0N 108 12.0W BOTTOM 2790M WIND 00KT WEATHER 1 DOMINANT WAVES 240 02 03	10	26.70	35.034		500.8
1576.100	06/07/72 1839GMT 23 17.0N 107 58.0W BOTTOM 2602M WIND 290 03KT WEATHER 1 DOMINANT WAVES 280 02 06	10	26.92	35.020	4.78	508.5
1576.115	06/07/72 2057GMT 23 26.0N 107 45.0W BOTTOM 1391M WIND 300 11KT WEATHER 1 DOMINANT WAVES 280 02 06	10	28.18	34.905		555.7
1576.130	06/07/72 2322GMT 23 33.5N 107 31.0W BOTTOM 1058M WIND 320 14KT WEATHER 1 DOMINANT WAVES 280 02 05	10	28.85	34.573	4.67	600.8

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 46131

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 00.0N	131 00.0W	6/ 3/72	0102 GMT	2743M	270	7KT	2	290 2 9

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	11.60	32.70		24.901	306.2	0.000
									10	10.05	32.69		25.165	281.1	0.029
									20	9.80	32.69		25.206	277.2	0.057
									30	9.10	32.71		25.334	265.0	0.084
									50	8.03	32.70		25.489	250.3	0.136
									75	7.57	32.71		25.562	243.3	0.198
									100	7.38	32.72		25.597	240.1	0.259
									125	6.84	32.89		25.803	220.4	0.317
									150	6.75	33.21		26.067	195.4	0.369
									200	6.51	33.81		26.570	147.5	0.456
									250	5.88	33.86		26.690	136.1	0.529
									300	5.45	33.87		26.750	130.4	0.597
									400	4.68	33.88		26.847	121.3	0.726
									500	4.17	34.01		27.005	106.3	0.844
									600	3.97	34.14		27.128	94.6	0.950
									700	3.83	34.21		27.198	88.0	1.047
									800	3.70	34.30		27.283	79.9	1.137
									1000	3.23	34.41		27.415	67.3	1.298

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 46131

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 00.0N	131 00.0W	6/ 3/72	0229 GMT	2743M	270	7KT	2	290 2 9

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	11.36	32.704	6.68	0.70	1.	0.11	3.7	301.8	0	11.36	32.704	6.68	24.948	301.8	0.000
10	10.38	32.693	6.78	0.70	0.	0.11	3.8	286.2	10	10.38	32.693	6.78	25.112	286.2	0.029
30	9.27	32.696	6.88	0.74	1.	0.15	4.1	268.6	20	9.74	32.697	6.84	25.219	276.0	0.058
55	8.18	32.695	7.04	0.79	1.	0.19	4.9	252.8	30	9.27	32.696	6.88	25.297	268.6	0.085
71	7.70	32.682	6.98	0.82	2.	0.19	5.6	247.2	50	8.37	32.699	7.02	25.436	255.3	0.137
86	7.51	32.683	6.90	0.87	3.	0.25	6.4	244.5	75	7.63	32.684	6.96	25.531	246.3	0.200
101	7.43	32.691	6.88	0.88	2.	0.27	6.7	242.9	100	7.44	32.692	6.88	25.565	243.1	0.262
131	6.91	32.870	6.35	1.17	12.	0.03	12.3	222.8	125	7.02	32.821	6.49	25.724	228.0	0.321
157	6.80	33.164	5.73	1.44	20.	0.02	16.7	199.4	150	6.81	33.075	5.92	25.951	206.4	0.376
182	6.80	33.559	4.91	1.66	30.	0.01	21.6	169.9	200	6.66	33.750	4.32	26.503	153.9	0.467
217	6.47		3.83	2.02	41.	0.02	26.9		250	6.06	33.816	3.44	26.633	141.6	0.542
281	5.67	33.856	3.27	2.28	53.	0.00	32.0	134.0	300	5.47	33.868	3.01	26.745	130.9	0.612
380	4.77	33.903	1.95	2.78	73.	0.00	39.8	120.5	400	4.63	33.921	1.79	26.884	117.8	0.740
479	4.23	34.000	1.30	3.11	90.	0.00	45.0	107.7	500	4.17	34.027	1.16	27.017	105.2	0.856
612	3.98	34.151	0.60	3.25	109.	0.00	45.2	93.8	600	3.99	34.139	0.65	27.125	94.9	0.961
766	3.78	34.244	0.49	3.31	116.	0.00	46.2	84.9	700	3.87	34.208	0.54	27.192	88.5	1.058
915	3.44	34.367	0.34	3.39	132.	0.00	47.0	72.5	800	3.71	34.274	0.45	27.261	82.0	1.150
1126	3.01	34.443	0.47	3.34	145.	0.00	47.1	62.9	1000	3.26	34.412	0.39	27.414	67.5	1.313

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 46133

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 03.0N	133 00.0W	6/ 2/72	1354 GMT	3731M	200	10KT	2	250 4 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	10.10	32.71		25.172	280.4	0.000
									10	10.10	32.71		25.172	280.4	0.028
									20	9.88	32.71		25.209	277.0	0.056
									30	9.60	32.71		25.255	272.6	0.083
									50	8.00	32.71		25.501	249.2	0.136
									75	7.43	32.73		25.598	240.0	0.197
									100	7.23	32.74		25.633	236.6	0.257
									125	6.82	32.98		25.877	213.4	0.314
									150	6.90	33.51		26.282	174.9	0.363
									200	6.71	33.81		26.544	150.0	0.445
									250	5.98	33.84		26.662	138.8	0.519
									300	5.33	33.84		26.741	131.3	0.588
									400	4.45	33.90		26.888	117.4	0.716
									500	4.02	33.97		26.988	107.9	0.833
									600	3.79	34.06		27.083	98.9	0.941
									700	3.57	34.16		27.184	89.3	1.040
									800	3.42	34.25		27.270	81.1	1.131
									1000	3.06	34.36		27.392	69.6	1.294

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 46135

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 00.0N	135 00.0W	6/ 2/72	0308 GMT	3919M	160	6KT	2	270 4 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	9.55	32.65		25.216	276.3	0.000
									10	9.50	32.64		25.216	276.2	0.028
									20	9.27	32.63		25.245	273.5	0.055
									30	9.05	32.67		25.311	267.2	0.082
									50	7.35	32.70		25.585	241.1	0.133
									75	6.98	32.75		25.675	232.6	0.193
									100	6.42	32.75		25.748	225.7	0.250
									125	6.72	33.21		26.071	195.0	0.303
									150	6.52	33.59		26.396	164.1	0.348
									200	6.42	33.82		26.590	145.7	0.427
									250	5.80	33.83		26.676	137.4	0.499
									300	5.03	33.85		26.784	127.3	0.567
									400	4.42	33.91		26.899	116.3	0.692
									500	3.97	34.00		27.017	105.1	0.807
									600	3.78	34.11		27.124	95.0	0.912
									700	3.58	34.20		27.215	86.4	1.008
									800	3.43	34.27		27.285	79.7	1.096
									1000	3.16	34.37		27.390	69.7	1.259

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 46137

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 00.0N	136 57.0W	6/ 1/72	1627 GMT	4257M	220	12KT	2	270 4 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	9.63	32.71		25.250	273.0	0.000
									10	9.64	32.71		25.248	273.2	0.027
									20	9.64	32.71		25.248	273.2	0.055
									30	9.61	32.71		25.253	272.7	0.082
									50	8.00	32.77		25.548	244.7	0.134
									75	7.50	32.80		25.643	235.7	0.194
									100	7.13	32.83		25.717	228.6	0.253
									125	7.02	33.20		26.023	199.5	0.306
									150	6.21	33.55		26.404	163.3	0.352
									200	6.57	33.86		26.601	144.6	0.430
									250	6.05	33.88		26.685	136.7	0.502
									300	5.35	33.88		26.770	128.5	0.570
									400	4.52	33.93		26.904	115.9	0.696
									500	3.98	33.99		27.008	106.0	0.811
									600	3.75	34.09		27.111	96.2	0.917
									700	3.57	34.18		27.200	87.8	1.014
									800	3.46	34.26		27.274	80.7	1.104
									1000	3.06	34.37		27.400	68.9	1.266

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 46137

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 00.0N	136 57.0W	6/ 1/72	1803 GMT	4257M	220	12KT	2	270 4 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
2	9.70	32.711	6.88	0.82	10.	0.13	6.6	274.1	0	9.70	32.711	6.88	25.239	274.1	0.000
12	9.72	32.711	6.86	0.84	10.	0.14	6.3	274.4	10	9.72	32.714	6.86	25.237	274.3	0.027
32	9.45	32.710	6.92	0.85	10.	0.14	6.8	270.3	20	9.61	32.713	6.88	25.253	272.7	0.055
57	7.92	32.795	6.98	0.87	9.	0.12	6.9	241.7	30	9.48	32.713	6.91	25.275	270.7	0.082
72	7.59	32.795	6.88	0.93	11.	0.22	8.1	237.3	50	8.35	32.772	6.96	25.495	249.7	0.134
87	7.25	32.798	6.78	1.05	12.	0.32	9.2	232.5	75	7.51	32.796	6.86	25.635	236.4	0.195
103	7.13	32.870	6.60	1.12	14.	0.28	11.4	225.6	100	7.14	32.853	6.64	25.732	227.2	0.253
133	7.06	33.269	6.04	1.30	19.	0.24	14.9	194.9	125	7.08	33.144	6.20	25.969	204.7	0.308
158	6.65	33.622	5.68	1.46	27.	0.22	18.7	163.3	150	6.50	33.460	5.80	26.296	173.6	0.356
183	6.77	33.800	5.20	1.57	31.	0.02	20.4	151.6	200	6.71	33.853	4.92	26.576	147.0	0.437
218	6.56	33.873	4.64	1.77	38.	0.02	23.2	143.5	250	6.07	33.883	4.10	26.683	136.8	0.509
282	5.51	33.874	3.57	2.22	55.	0.02	29.0	130.8	300	5.29	33.881	3.25	26.777	127.9	0.577
382	4.54	33.924	2.05	2.81	78.	0.01	38.6	116.5	400	4.42	33.938	1.91	26.920	114.3	0.702
481	4.00	33.999	1.48	3.04	94.	0.01	38.6	105.5	500	3.95	34.015	1.39	27.031	103.8	0.815
615	3.75	34.105	0.95	3.17	108.	0.01	41.3	95.1	600	3.76	34.094	1.00	27.112	96.1	0.919
770	3.50	34.219	0.58	3.23	118.	0.00	46.4	84.2	700	3.61	34.169	0.72	27.187	89.1	1.017
919	3.22	34.326	0.37	3.29	132.	0.01	46.6	73.6	800	3.44	34.243	0.52	27.262	81.9	1.108
1129	2.87	34.408	0.43	3.30	149.	0.01	46.6	64.4	1000	3.08	34.368	0.39	27.396	69.2	1.272

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 46139

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 00.0N	139 00.0W	6/ 1/72	0546 GMT	4316M	250	18KT	2	250 4 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	9.45	32.70		25.271	271.0	0.000
									10	9.44	32.70		25.273	270.9	0.027
									20	9.44	32.70		25.273	270.9	0.054
									30	9.25	32.68		25.287	269.5	0.081
									50	8.19	32.87		25.598	239.9	0.132
									75	7.53	32.84		25.670	233.1	0.192
									100	7.20	32.81		25.692	231.0	0.250
									125	6.30	32.89		25.874	213.7	0.306
									150	6.47	33.49		26.324	170.9	0.355
									200	6.37	33.80		26.580	146.5	0.435
									250	5.92	33.85		26.677	137.4	0.508
									300	5.29	33.89		26.785	127.1	0.575
									400	4.47	33.94		26.917	114.6	0.700
									500	4.00	34.01		27.022	104.7	0.813
									600	3.73	34.10		27.121	95.3	0.918
									700	3.56	34.20		27.217	86.2	1.014
									800	3.40	34.28		27.296	78.7	1.102
									1000	3.08	34.39		27.414	67.5	1.261

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 46141

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 00.0N	141 00.0W	5/31/72	1920 GMT	4429M	280	20KT	2	250 4 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	9.27	32.72		25.315	266.8	0.000
									10	9.28	32.72		25.314	267.0	0.027
									20	9.27	32.72		25.315	266.8	0.053
									30	9.24	32.72		25.320	266.3	0.080
									50	7.41	32.76		25.624	237.5	0.131
									75	7.12	32.80		25.695	230.7	0.189
									100	6.95	32.81		25.726	227.8	0.247
									125	6.28	33.21		26.128	189.6	0.299
									150	6.61	33.66		26.439	160.0	0.344
									200	6.62	33.82		26.563	148.2	0.422
									250	6.04	33.82		26.639	141.0	0.496
									300	5.49	33.90		26.769	128.6	0.565
									400	4.17	33.95		26.957	110.8	0.688
									500	4.04	34.03		27.034	103.5	0.799
									600	3.78	34.12		27.132	94.3	0.903
									700	3.57	34.20		27.216	86.3	0.998
									800	3.40	34.28		27.296	78.7	1.086
									1000	3.07	34.37		27.399	69.0	1.247

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 46143

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
45 58.0N	143 01.0W	5/31/72	0837 GMT	4369M	300	16KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	9.07	32.72		25.347	263.8	0.000
10	9.08	32.73		25.353	263.2	0.026
20	9.08	32.73		25.353	263.2	0.053
30	9.09	32.74		25.359	262.6	0.079
50	7.25	32.71		25.607	239.1	0.129
75	6.67	32.77		25.732	227.2	0.188
100	6.55	32.77		25.747	225.8	0.245
125	6.29	33.02		25.977	203.9	0.299
150	6.87	33.70		26.436	160.3	0.345
200	6.68	33.63		26.563	148.2	0.423
250	6.32	33.88		26.650	140.0	0.497
300	5.70	33.89		26.736	131.8	0.566
400	4.72	33.95		26.898	116.4	0.694
500	4.17	34.02		27.012	105.6	0.810
600	3.82	34.12		27.128	94.6	0.915
700	3.59	34.21		27.222	85.7	1.010
800	3.34	34.28		27.302	78.1	1.097
1000	3.00	34.38		27.413	67.6	1.256

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 46145

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 02.0N	144 55.0W	5/30/72	1326 GMT	4742M	330	16KT	1	360 7 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	9.33	32.85		25.407	258.1	0.000
10	9.33	32.85		25.407	258.1	0.026
20	9.33	32.85		25.407	258.1	0.052
30	9.30	32.85		25.412	257.6	0.077
50	7.30	32.84		25.702	230.1	0.126
75	7.20	32.85		25.724	228.0	0.184
100	6.76	32.87		25.798	220.9	0.240
125	7.20	32.99		25.833	217.6	0.295
150	7.05	33.73		26.435	160.4	0.343
200	6.56	33.88		26.619	142.9	0.420
250	6.19	33.89		26.675	137.6	0.492
300	5.52	33.87		26.742	131.2	0.561
400	4.80	33.93		26.873	118.8	0.690
500	4.12	33.99		26.994	107.3	0.807
600	3.81	34.08		27.097	97.5	0.914
700	3.62	34.17		27.187	89.0	1.013
800	3.40	34.25		27.272	80.9	1.103
1000	3.03	34.35		27.386	70.1	1.267

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 46145

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 02.0N	144 55.0W	5/30/72	1449 GMT	4742M	330	16KT	1	360 7 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1	9.39	32.845	6.85	0.82	11.	0.11	6.2	259.4
11	9.39	32.845	6.89	0.82	11.	0.11	6.2	259.4
31	9.23	32.843	6.90	0.82	11.	0.12	6.2	257.1
57	7.13	32.853	7.01	1.03	15.	0.14	9.0	228.4
72	7.30	32.897	6.87	1.00	12.	0.17	8.6	225.8
87	6.91	32.846	6.93	1.06	15.	0.17	9.4	224.6
102	6.90	32.852	6.93	1.06	15.	0.17	9.4	224.0
133	7.07	33.335	6.16	1.28	21.	0.03	14.8	190.1
158	6.78	33.752	5.81	1.44	28.	0.00	18.6	155.3
183	6.67	33.823	5.49	1.53	33.	0.01	20.1	148.6
218	6.47	33.880	4.75	1.77	42.	0.01	24.2	141.8
284	5.79	33.886	3.87	2.10	52.	0.00	28.9	133.1
383	4.94	33.936	2.38	2.60	79.	0.00	35.4	119.8
483	4.23	34.002	1.64	2.94	93.	0.00	41.1	107.5
616	3.82	34.109	1.07	3.07	112.	0.00	44.3	95.5
770	3.51	34.228	0.67	3.24	128.	0.00	45.8	83.6
921	3.23	34.316	0.49	3.24	138.	0.00	48.3U	74.4
1136	2.81	34.408	0.43	3.25	153.	0.00	50.6U	63.8

Z	T	S	O2	SIGT	DT	DD
0	9.39	32.845	6.85	25.394	259.4	0.000
10	9.39	32.848	6.89	25.394	259.4	0.026
20	9.32	32.847	6.90	25.404	258.3	0.052
30	9.24	32.846	6.90	25.417	257.2	0.078
50	7.65	32.835	7.00	25.649	235.1	0.127
75	7.23	32.892	6.88	25.750	225.5	0.185
100	6.90	32.854	6.93	25.765	224.1	0.241
125	7.04	33.000	6.39	25.863	214.7	0.297
150	6.89	33.691	5.91	26.424	161.4	0.344
200	6.58	33.858	5.14	26.597	145.0	0.422
250	6.16	33.891	4.29	26.678	137.3	0.494
300	5.64	33.893	3.61	26.745	131.0	0.563
400	4.80	33.947	2.22	26.885	117.6	0.691
500	4.16	34.016	1.55	27.010	105.8	0.807
600	3.85	34.097	1.12	27.105	96.7	0.913
700	3.64	34.177	0.82	27.190	88.7	1.011
800	3.45	34.248	0.62	27.265	81.6	1.102
1000	3.08	34.355	0.47	27.385	70.2	1.267

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 46145

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
46 02.0N	144 55.0W	5/30/72	1519 GMT	4742M	330	16KT	1	360 7 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	9.33	32.81		25.376	261.0	0.000
10	9.34	32.81		25.374	261.2	0.026
20	9.34	32.81		25.374	261.2	0.052
30	9.34	32.81		25.374	261.2	0.078
50	7.38	32.81		25.667	233.3	0.128
75	6.98	32.82		25.730	227.4	0.186
100	6.82	32.83		25.759	224.6	0.243
125	6.97	32.89		25.786	222.1	0.299

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 42135

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
42 00.0N	135 00.0W	5/17/72	0346 GMT	4018M	330	16KT	2	330 5 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.31	32.93		25.132	284.2	0.000
10	11.31	32.93		25.132	284.2	0.028
20	10.88	32.93		25.209	276.9	0.057
30	10.28	32.93		25.313	267.0	0.084
50	10.13	32.93		25.338	264.6	0.137
75	9.87	33.02		25.452	253.8	0.202
100	9.00	33.03		25.600	239.7	0.264
125	8.46	33.50		26.050	196.9	0.319
150	8.19	33.72		26.263	176.7	0.367
200	7.90	33.97		26.502	154.0	0.451
250	7.30	33.95		26.573	147.3	0.528
300	6.74	33.94		26.642	140.7	0.602
400	5.49	33.93		26.793	126.4	0.740
500	4.56	33.96		26.923	114.0	0.865
600	3.93	34.07		27.077	99.5	0.977
700	3.78	34.18		27.179	89.7	1.077
800	3.58	34.25		27.255	82.6	1.169
1000	3.23	34.38		27.392	69.6	1.335

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 42137

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 59.5N	137 02.0W	5/17/72	1633 GMT	4079M	300	19KT	2	300 5 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.03	32.97		25.213	276.5	0.000
10	11.03	32.97		25.213	276.5	0.028
20	10.75	32.97		25.263	271.8	0.055
30	10.23	32.99		25.368	261.8	0.082
50	9.96	33.00		25.421	256.7	0.134
75	9.65	32.99		25.464	252.6	0.198
100	9.25	33.29		25.763	224.2	0.258
125	8.83	33.66		26.118	190.4	0.310
150	8.78	33.88		26.298	173.4	0.356
200	8.36	33.99		26.449	159.0	0.441
250	7.70	33.98		26.539	150.5	0.520
300	7.00	33.95		26.614	143.3	0.596
400	5.76	33.92		26.752	130.2	0.737
500	4.62	33.94		26.901	116.1	0.866
600	4.01	34.03		27.037	103.2	0.980
700	3.79	34.14		27.147	92.8	1.084
800	3.57	34.23		27.240	84.0	1.178
1000	3.25	34.35		27.366	72.0	1.348

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 42139

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
42 00.0N	139 00.0W	5/18/72	0158 GMT	4071M	310	18KT	2	310 4 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.43	32.93		25.110	286.3	0.000
10	11.32	32.94		25.138	283.6	0.029
20	11.07	32.94		25.183	279.4	0.057
30	10.50	32.99		25.322	266.2	0.084
50	9.92	33.00		25.428	256.1	0.136
75	9.75	33.05		25.495	249.7	0.200
100	9.21	33.29		25.769	223.6	0.260
125	9.27	33.73		26.103	191.9	0.312
150	9.11	33.88		26.246	178.3	0.359
200	8.57	33.96		26.393	164.3	0.446
250	8.01	33.96		26.478	156.3	0.528
300	7.39	33.94		26.552	149.2	0.607
400	5.85	33.93		26.749	130.6	0.752
500	4.72	33.93		26.882	117.9	0.881
600	4.17	34.00		26.997	107.1	0.999
700	3.83	34.10		27.111	96.2	1.106
800	3.68	34.20		27.205	87.3	1.204
1000	3.17	34.35		27.373	71.3	1.376

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 42141

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 59.5N	141 00.0W	5/18/72	1214 GMT	4410M	300	11KT		300 3 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.96	33.22		25.237	274.2	0.000
10	11.96	33.22		25.237	274.2	0.027
20	11.44	33.22		25.333	265.1	0.054
30	10.92	33.19		25.404	258.4	0.081
50	10.73	33.27		25.499	249.3	0.132
75	10.61	33.30		25.543	245.1	0.194
100	10.35	33.46		25.713	229.0	0.253
125	9.86	33.86		26.107	191.5	0.307
150	9.20	33.93		26.270	176.0	0.353
200	8.47	33.97		26.416	162.1	0.439
250	7.77	33.93		26.490	155.2	0.521
300	7.47	33.94		26.541	150.3	0.599
400	5.94	33.93		26.738	131.6	0.745
500	4.81	33.95		26.888	117.4	0.875
600	4.10	34.04		27.036	103.4	0.990
700	3.81	34.13		27.137	93.8	1.094
800	3.63	34.21		27.218	86.1	1.190
1000	3.21	34.34		27.362	72.4	1.362

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 42141

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 59.5N	141 00.0W	5/18/72	1330 GMT	4410M	300	11KT		300 3 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	12.00	33.218	6.52	0.23	0.	0.00	0.0	275.1
10	12.00	33.217	6.56	0.21	0.	0.00	0.0	275.1
31	11.55	33.209	6.59	0.20	0.	0.00	0.0	267.8
56	10.77	33.253	6.33	0.31	0.	0.04	0.5	251.2
71	10.75	33.264	6.44	0.36	0.	0.07	0.6	250.1
86	10.68	33.333	6.40	0.38	0.	0.10	1.1	243.8
101	10.62	33.388	6.32	0.43	1.	0.14	2.0	238.8
132	9.86	33.840	5.66	0.87	10.	0.01	10.2	193.0
157	9.44	33.886	5.53	0.95	13.	0.01	12.4	183.0
183	8.98	34.002	5.45	1.09	19.	0.00	15.4	167.3
218	8.47	33.983	5.44	1.17	22.	0.00	14.2	161.2
282	7.75	33.954	5.20	1.34	28.	0.00	18.6	153.1
381	6.55	33.947	3.74	1.95	48.	0.00	27.7	137.8
480	5.21	33.949	2.62	2.51	71.	0.00	32.2	121.8
613	4.14	34.047	1.63	2.91	97.	0.00	39.3	103.2
767	3.72							
918	3.40	34.284	0.69	3.15	135.	0.00	39.8	78.4
1129	3.00	34.379	0.56	3.24	145.	0.00	45.1	67.7

Z	T	S	O2	SIGT	DT	DD
0	12.00	33.218	6.52	25.228	275.1	0.000
10	12.00	33.217	6.56	25.227	275.1	0.028
20	11.84	33.213	6.57	25.254	272.7	0.055
30	11.58	33.211	6.59	25.299	268.3	0.082
50	10.93	33.243	6.38	25.442	254.7	0.135
75	10.73	33.282	6.43	25.507	248.6	0.198
100	10.63	33.385	6.33	25.605	239.2	0.259
125	10.06	33.738	5.81	25.978	203.8	0.315
150	9.55	33.886	5.55	26.178	184.8	0.364
200	8.72	34.006	5.44	26.405	163.2	0.453
250	8.10	33.968	5.37	26.471	157.0	0.535
300	7.54	33.952	4.97	26.539	150.5	0.614
400	6.28	33.945	3.50	26.705	134.7	0.762
500	5.00	33.961	2.44	26.873	118.8	0.894
600	4.21	34.036	1.71	27.020	104.9	1.011
700	3.84	34.130	1.22	27.132	94.2	1.116
800	3.64	34.212	0.89	27.219	86.0	1.213
1000	3.24	34.327	0.64	27.348	73.8	1.386

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 42143

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
42 00.0N	143 00.0W	5/18/72	2215 GMT	4583M	240	11KT	2	250 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	12.90	33.42		25.211	276.7	0.000
10	12.79	33.43		25.240	273.9	0.028
20	12.58	33.43		25.281	270.0	0.055
30	12.20	33.43		25.354	263.1	0.081
50	11.39	33.46		25.529	246.5	0.133
75	11.27	33.46		25.550	244.4	0.194
100	11.10	33.54		25.643	235.6	0.255
125	10.08	33.98		26.163	186.1	0.308
150	9.57	34.00		26.265	176.5	0.354
200	8.60	34.00		26.420	161.8	0.440
250	8.11	33.98		26.479	156.2	0.522
300	7.56	33.95		26.536	150.8	0.601
400	6.34	33.95		26.702	135.0	0.749
500	5.12	33.95		26.852	120.7	0.882
600	4.27	34.02		27.002	106.6	1.001
700	3.90	34.12		27.120	95.4	1.108
800	3.62	34.20		27.211	86.7	1.205
1000	3.19	34.35		27.372	71.5	1.377

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 42145

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
42 00.0N	145 00.0W	5/19/72	1337 GMT	4728M	190	16KT	0	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.80	33.17		25.228	275.1	0.000
10	11.80	33.17		25.228	275.1	0.028
20	10.84	33.17		25.402	258.5	0.054
30	10.57	33.17		25.449	254.0	0.080
50	10.02	33.26		25.613	238.4	0.129
75	10.20	33.31		25.622	237.6	0.189
100	9.84	33.78		26.048	197.1	0.244
125	9.47	33.95		26.242	178.7	0.291
150	9.04	34.03		26.374	166.1	0.335
200	8.34	33.98		26.444	159.5	0.418
250	7.89	33.98		26.511	153.1	0.498
300	7.37	33.95		26.563	148.2	0.576
400	6.00	33.91		26.714	133.8	0.722
500	5.16	33.95		26.848	121.2	0.855
600	4.27	34.03		27.010	105.8	0.974
700	3.91	34.14		27.134	94.0	1.079
800	3.66	34.22		27.223	85.6	1.175
1000	3.15	34.36		27.383	70.4	1.345

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RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — BUOY48

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 01.0N	148 02.0W	5/20/72	0529 GMT	5026M	210	19KT	2	210 8 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.65	33.64		25.230	274.9	0.000
10	13.65	33.64		25.230	274.9	0.028
20	13.65	33.65		25.238	274.1	0.055
30	13.45	33.63		25.263	271.7	0.082
50	12.93	33.69		25.413	257.4	0.135
75	12.85	33.72		25.452	253.7	0.200
100	12.14	33.84		25.683	231.8	0.261
125	10.87	33.86		25.933	208.1	0.317
150	10.41	34.02		26.138	188.6	0.367
200	9.87	34.09		26.285	174.6	0.460
250	9.04	34.03		26.374	166.1	0.547
300	8.47	34.01		26.447	159.2	0.631
400	7.06	33.95		26.606	144.1	0.788
500	5.65	33.96		26.797	126.0	0.929
600	4.62	34.01		26.956	110.9	1.054
700	4.08	34.09		27.077	99.4	1.165
800	3.80	34.19		27.185	89.2	1.266
1000	3.30	34.31		27.329	75.5	1.444

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — BUOY48

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 01.0N	148 02.0W	5/20/72	1630 GMT	5026M	350	10KT	1	210 8 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.67	33.67		25.249	273.1	0.000
10	13.68	33.68		25.255	272.5	0.027
20	13.68	33.68		25.255	272.5	0.055
30	13.68	33.68		25.255	272.5	0.082
50	13.03	33.59		25.316	266.6	0.136
75	12.32	33.56		25.432	255.7	0.202
100	12.21	33.62		25.499	249.3	0.265
125	11.92	33.74		25.647	235.2	0.327
150	10.56	33.90		26.018	199.9	0.382
200	9.93	34.05		26.243	178.5	0.478
250	9.32	34.05		26.344	168.9	0.567
300	8.52	34.03		26.456	158.4	0.652

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — BUOY48

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 01.0N	148 02.0W	5/20/72	1700 GMT	5026M	350	10KT	1	210 8 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.67	33.69		25.264	271.6	0.000
10	13.67	33.69		25.264	271.6	0.027
20	13.67	33.69		25.264	271.6	0.054
30	13.67	33.68		25.257	272.3	0.082
50	13.03	33.61		25.332	265.2	0.136
75	12.37	33.56		25.422	256.6	0.201
100	12.21	33.60		25.484	250.7	0.265
125	11.94	33.73		25.636	236.3	0.327
150	10.60	33.92		26.027	199.1	0.382
200	9.95	34.08		26.263	176.6	0.478
250	9.32	34.06		26.352	168.2	0.566
300	8.52	34.03		26.456	158.4	0.650

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — BUOY48

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41 01.0N	148 02.0W	5/20/72	1758 GMT	5026M	350	10KT	1	210 8 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.67	33.67		25.249	273.1	0.000
10	13.68	33.67		25.247	273.3	0.027
20	13.68	33.67		25.247	273.3	0.055
30	13.68	33.67		25.247	273.3	0.082
50	13.30	33.57		25.247	273.3	0.137
75	12.47	33.58		25.418	256.9	0.204
100	12.19	33.64		25.519	247.4	0.267
125	11.70	33.71		25.665	233.5	0.328
150	10.50	33.93		26.052	196.7	0.383
200	9.79	34.07		26.282	174.8	0.477
250	9.12	34.03		26.361	167.4	0.565
300	8.36	34.01		26.464	157.6	0.649

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — BUOY56

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
42 23.0N	157 59.0W	5/22/72	2009 GMT	5216M	150	13KT	1	150 2 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.85	33.67		25.606	239.1	0.000
10	11.71	33.67		25.632	236.6	0.024
20	11.50	33.66		25.663	233.7	0.047
30	11.24	33.66		25.711	229.1	0.071
50	10.98	33.68		25.773	223.2	0.116
75	10.07	33.68		25.932	208.2	0.170
100	9.92	33.68		25.957	205.8	0.222
125	9.57	33.88		26.171	185.4	0.272
150	9.29	34.09		26.381	165.5	0.316
200	8.41	34.08		26.511	153.1	0.398
250	7.92	34.01		26.530	151.3	0.476
300	7.32	34.00		26.609	143.8	0.552

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — BUOY56

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
42 23.0N	157 59.0W	5/22/72	2141 GMT	5173M	180	16KT	2	180 2 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	11.90	33.65		25.581	241.5	0.000
10	11.78	33.65		25.604	239.3	0.024
20	11.50	33.64		25.648	235.1	0.048
30	11.17	33.68		25.739	226.5	0.071
50	11.09	33.67		25.746	225.8	0.116
75	10.25	33.66		25.885	212.6	0.171
100	10.02	33.66		25.924	208.8	0.225
125	9.77	33.76		26.044	197.5	0.276
150	9.40	34.06		26.339	169.4	0.323
200	8.40	34.04		26.482	155.9	0.405
250	7.84	34.00		26.534	150.9	0.484
300	7.25	33.95		26.580	146.6	0.561
400	5.91	33.95		26.757	129.8	0.704
500	4.99	33.98		26.891	117.1	0.832
600	4.31	34.06		27.029	104.0	0.948
700	3.90	34.14		27.135	93.9	1.053
800	3.59	34.23		27.238	84.2	1.148
1000	3.16	34.34		27.366	72.0	1.318

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — BUOY55

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
42 00.0N	164 05.0W	5/26/72	0607 GMT		320	20KT	6	310 7 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	10.12	33.64		25.892	211.9	0.000
10	10.13	33.65		25.898	211.3	0.021
20	10.13	33.65		25.898	211.3	0.042
30	10.13	33.65		25.898	211.3	0.064
50	10.27	33.86		26.038	198.1	0.105
75	9.72	33.79		26.076	194.4	0.154
100	9.45	33.85		26.167	185.8	0.202
125	9.42	33.96		26.258	177.2	0.248
150	9.55	34.11		26.354	168.1	0.292
200	8.87	34.12		26.471	156.9	0.375
250	8.02	34.05		26.547	149.7	0.453
300	7.30	33.99		26.604	144.3	0.529
400	5.82	33.93		26.753	130.2	0.671
500	4.97	33.98		26.893	116.9	0.800
600	4.40	34.06		27.020	104.9	0.916
700	3.95	34.15		27.138	93.6	1.021
800	3.66	34.22		27.223	85.6	1.117
1000	3.20	34.34		27.363	72.3	1.289

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 39133

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
39 00.0N	132 59.0W	5/ 2/72	2211 GMT	4588M	030	11KT	1	090 1 10

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	14.28	33.545						294.3
10	13.80	33.539	6.16					285.2
31	13.71	33.529						284.2
56	13.59	33.511						283.2
71	13.55	33.505						282.8
86	13.25	33.475						279.3
102	13.18	33.570						271.0
132	11.63	33.574						242.3
157	10.01	33.615						212.0
182	9.31	33.878						181.5
217	8.94	34.025						165.0
283	8.10	34.035						152.0
382	6.42	34.000						132.2
482	5.03	34.018						114.7
616	4.24	34.120						98.7
771	3.86	34.256						84.6
921	3.61	34.392						72.2
1131	3.22	34.495						60.8

Z	T	S	O2	SIGT	DT	DD
0	14.28	33.545		25.026	294.3	0.000
10	13.80	33.539	6.16	25.121	285.2	0.029
20	13.76	33.536		25.127	284.7	0.058
30	13.71	33.531		25.132	284.2	0.086
50	13.62	33.517		25.141	283.4	0.143
75	13.47	33.494		25.153	282.2	0.214
100	13.19	33.556		25.258	272.3	0.284
125	12.09	33.573		25.486	250.5	0.350
150	10.42	33.590		25.801	220.6	0.410
200	9.08	33.981		26.328	170.5	0.509
250	8.55	34.030		26.451	158.8	0.594
300	7.82	34.030		26.560	148.5	0.673
400	6.13	34.000		26.767	128.8	0.817
500	4.88	34.030		26.943	112.2	0.942
600	4.29	34.107		27.068	100.3	1.054
700	3.99	34.194		27.168	90.8	1.155
800	3.81	34.285		27.259	82.2	1.248
1000	3.47	34.443		27.419	67.0	1.412

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 39133

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
39 00.0N	132 59.0W	5/ 2/72	2246 GMT	4588M	030	11KT	1	090 1 10

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	14.41	33.59		25.033	293.6	0.000
10	13.87	33.54		25.108	286.5	0.029
20	13.72	33.53		25.131	284.3	0.058
30	13.68	33.53		25.139	283.5	0.086
50	13.61	33.52		25.146	282.9	0.143
75	13.38	33.48		25.162	281.4	0.214
100	13.26	33.54		25.232	274.7	0.284
125	12.55	33.55		25.380	260.6	0.352
150	10.35	33.52		25.759	224.5	0.413
200	9.22	33.97		26.298	173.3	0.514
250	8.62	34.03		26.440	159.9	0.600
300	7.95	34.01		26.526	151.7	0.680
400	6.33	33.99		26.735	131.8	0.827
500	5.05	34.01		26.908	115.5	0.956
600	4.46	34.10		27.045	102.5	1.071
700	4.07	34.19		27.158	91.8	1.174
800	3.78	34.29		27.267	81.5	1.267
1000	3.46	34.44		27.417	67.2	1.430

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 39135

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
39 00.0N	135 00.0W	5/ 2/72	1051 GMT	4780M	230	9KT	1	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	14.11	33.531	6.14	0.21	1.	0.05	0.0	291.9	0	14.11	33.531	6.14	25.051	291.9	0.000
11	14.10	33.601	5.99	0.19	1.	0.04	0.0	286.6	10	14.10	33.597	6.00	25.102	287.0	0.029
31	13.92	33.631	6.06	0.18	2.	0.03	0.0	280.8	20	14.02	33.627	6.02	25.141	283.3	0.058
57	13.87	33.631	6.11	0.19	2.	0.03	0.0	279.8	30	13.93	33.633	6.06	25.166	281.0	0.086
72	13.86	33.623	6.13	0.19	2.	0.03	0.0	280.2	50	13.88	33.633	6.10	25.175	280.1	0.142
87	13.83	33.619	6.15	0.17	2.	0.03	0.0	279.9	75	13.85	33.624	6.13	25.174	280.2	0.213
102	13.20	33.631	6.05	0.21	2.	0.03	0.0	266.9	100	13.31	33.632	6.07	25.292	269.0	0.282
132	11.27	33.514	5.88	0.47	3.	0.03	3.6	240.4	125	11.72	33.537	5.93	25.525	246.8	0.347
157	10.27	33.631	5.56	0.67	6.	0.03	7.2	215.0	150	10.50	33.587	5.65	25.784	222.2	0.406
182	9.66	33.819	5.32	0.84	11.	0.03	9.6	191.3	200	9.40	33.899	5.22	26.212	181.5	0.509
217	9.22	33.946	5.13	1.07	17.	0.01	14.8	175.1	250	8.80	34.019	4.88	26.403	163.4	0.597
282	8.34	34.051	4.59	1.40	28.	0.01	20.1	154.2	300	8.00	34.046	4.41	26.546	149.8	0.678
382	6.39	33.987	3.53	2.05	50.	0.01	28.4	132.8	400	6.08	33.987	3.33	26.764	129.1	0.823
481	4.96	34.017	2.43	2.62	75.	0.01	37.9	114.0	500	4.82	34.039	2.21	26.956	110.9	0.948
615	4.37	34.172	1.12	3.00	98.	0.01	41.8	96.1	600	4.39	34.155	1.24	27.095	97.7	1.058
769	4.03	34.246	0.85	3.13	110.	0.01	44.3	87.2	700	4.16	34.215	0.97	27.168	90.8	1.158
920	3.74	34.407	0.60	3.27	127.	0.01	45.5	72.3	800	3.97	34.279	0.79	27.238	84.2	1.252
1130	3.21	34.505	0.71	3.23	140.	0.00	46.8	60.0	1000	3.56	34.462	0.64	27.425	66.4	1.418

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 39137

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
38 59.0N	136 58.0W	5/ 1/72	2319 GMT	5166M	190	12KT	2	190 2 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.33	33.38		25.095	287.8	0.000
									10	13.15	33.38		25.131	284.3	0.029
									20	12.93	33.38		25.174	280.2	0.057
									30	12.76	33.36		25.192	278.5	0.085
									50	12.62	33.34		25.204	277.4	0.141
									75	11.87	33.26		25.285	269.7	0.209
									100	11.60	33.44		25.474	251.6	0.275
									125	10.70	33.52		25.699	230.3	0.336
									150	9.58	33.67		26.006	201.1	0.391
									200	9.02	33.91		26.283	174.7	0.486
									250	8.39	33.98		26.436	160.2	0.572
									300	7.77	33.96		26.513	152.9	0.653
									400	6.08	33.92		26.712	134.0	0.801
									500	4.92	33.94		26.867	119.3	0.933
									600	4.26	34.03		27.011	105.7	1.051
									700	4.05	34.16		27.136	93.9	1.157
									800	3.81	34.25		27.232	84.7	1.252
									1000	3.41	34.39		27.383	70.5	1.422

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 39139

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
39 02.0N	138 53.0W	5/ 1/72	1247 GMT	4884M	220	14KT	1	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.02	33.42		25.187	278.9	0.000
									10	13.02	33.42		25.187	278.9	0.028
									20	13.02	33.43		25.195	278.2	0.056
									30	12.99	33.43		25.201	277.7	0.084
									50	12.82	33.41		25.219	275.9	0.139
									75	12.64	33.38		25.231	274.8	0.208
									100	12.07	33.46		25.402	258.5	0.276
									125	10.05	33.53		25.818	218.9	0.336
									150	9.40	33.68		26.043	197.6	0.389
									200	8.87	33.96		26.346	168.8	0.482
									250	8.07	33.98		26.485	155.6	0.565
									300	7.40	33.98		26.582	146.4	0.643
									400	6.10	33.94		26.725	132.8	0.787
									500	4.83	33.96		26.893	116.9	0.917
									600	4.16	34.05		27.037	103.2	1.033
									700	3.92	34.16		27.149	92.6	1.136
									800	3.74	34.25		27.239	84.1	1.231
									1000	3.26	34.39		27.397	69.1	1.398

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 39141

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
39 00.0N	141 01.0W	4/30/72	1251 1827 GMT	5115M	190	15KT	2	190 2 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	13.57	33.633	5.98	0.12	1.		0.0	273.8
10	13.57	33.631	6.15	0.11	1.		0.0	274.0
30	13.58	33.632	6.13	0.11	1.		0.0	274.1
56	13.61	33.634	6.01	0.13	1.		0.0	274.5
71	13.63	33.633	5.97	0.12	1.		0.0	275.0
86	13.65	33.639	6.18	0.12	1.		0.0	274.9
102	13.29	33.617	6.03	0.13	1.		0.0	269.6
132	11.02	33.689	5.57	0.48	4.		5.8	223.2
157	10.25	33.843	5.61	0.69	7.		9.5	199.0
182	9.98	33.981	5.41	0.76	10.		11.5	184.4
218	9.45	34.073	5.31	1.05	16.		14.2	169.3
283	8.64	34.070	5.13	1.15	23.		17.0	157.2
383	6.95	34.017	3.86	1.75	43.		26.5	137.7
482	5.46	34.010	2.51	2.41	65.		35.2	120.0
603A	4.50	34.093	1.57	2.81	89.		41.2	103.4
616	4.42	34.103	1.44	2.82	91.		41.9	101.8
770	3.88	34.196	1.11	2.92	105.		42.9	89.5
803A	3.93 V	34.290 V	0.50V	3.17V	119.V		46.6V	
921	3.62	34.362	0.52	3.10	128.		45.8	74.5
1002A	3.35	34.420	0.42	3.18	138.		47.4	67.7
1132	3.16	34.463	0.49	3.19	146.		47.7	62.7
1202A	2.98	34.506	0.63	3.14	150.		44.4	57.9
1450A	2.53	34.557	0.65	3.15	158.		45.1	50.3
1700A	2.21	34.611	1.15	3.05	169.		44.4	43.7
1948A	2.01	34.651	1.67	3.00	174.		44.0	39.1
2199A	1.86	34.669	2.07	2.90	179.		41.8	36.6
2448A	1.75	34.689	2.20	2.82	176.		41.0	34.3
2697A	1.66	34.706	2.46	2.77	176.		40.7	32.4
2946A	1.60	34.707	2.63	2.73	176.		42.4	31.9
3196A	1.55	34.713	2.94	2.63	173.		42.0	31.1
3445A	1.51	34.734	3.11	2.61	169.		39.2	29.2
3688A	1.49							
3943A	1.50							
4192A	1.52	34.732	3.47	2.53	167.		36.5	29.4
4442A	1.52	34.732	3.47	2.50	178.U		37.5	29.4
4691A	1.54	34.734	3.53	2.50	165.		38.0	29.4
4791A	1.55	34.735	3.56	2.50	167.		36.8	29.4

Z	T	S	O2	SIGT	DT	DD
0	13.57	33.633	5.98	25.241	273.8	0.000
10	13.57	33.631	6.15	25.239	274.0	0.027
20	13.57	33.633	6.14	25.239	274.0	0.055
30	13.58	33.632	6.13	25.238	274.1	0.082
50	13.60	33.635	6.04	25.235	274.4	0.137
75	13.64	33.636	6.03	25.229	275.0	0.206
100	13.36	33.621	6.06	25.273	270.8	0.275
125	11.58	33.657	5.66	25.646	235.3	0.339
150	10.39	33.799	5.59	25.969	204.7	0.395
200	9.72	34.042	5.35	26.271	175.9	0.492
250	9.05	34.072	5.25	26.405	163.2	0.579
300	8.37	34.063	4.96	26.503	153.9	0.661
400	6.67	34.012	3.61	26.708	134.5	0.810
500	5.27	34.020	2.36	26.889	117.3	0.942
600	4.52	34.092	1.59	27.031	103.8	1.058
700	4.06	34.154	1.26	27.129	94.6	1.164
800	3.83	34.230	0.98	27.213	86.5	1.261
1000	3.36	34.419	0.42	27.410	67.8	1.429
1200	2.99	34.505	0.63	27.513	58.0	1.570
1500	2.46	34.570	0.73	27.611	48.8	1.755
1750	2.16	34.622	1.26	27.677	42.6	1.890
2000	1.98	34.655	1.77	27.719	38.5	2.013
2250	1.84	34.674	2.10	27.744	36.2	2.129
2500	1.73	34.693	2.25	27.768	33.9	2.240
2750	1.65	34.707	2.49	27.785	32.2	2.347
3000	1.59	34.709	2.70	27.791	31.8	2.452
3250	1.54	34.718	2.98	27.802	30.7	2.556
3500	1.50	34.733	3.15	27.818	29.2	2.659
3750	1.49	34.732	3.30	27.817	29.3	2.760
4000	1.50	34.732	3.41	27.816	29.4	2.863
4250	1.52	34.732	3.47	27.815	29.4	2.969
4500	1.52	34.733	3.48	27.815	29.4	3.077
4750	1.55	34.735	3.55	27.816	29.4	3.187

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 35129

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
35 00.0N	128 57.5W	4/26/72	0429 GMT	4689M	020	22KT	2	020 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	13.85	33.21		24.858	310.3	0.000
10	13.85	33.21		24.858	310.3	0.031
20	13.74	33.19		24.865	309.6	0.062
30	13.72	33.19		24.869	309.3	0.093
50	13.72	33.20		24.877	308.5	0.155
75	13.42	33.30		25.015	295.4	0.231
100	13.08	33.40		25.160	281.5	0.304
125	10.87	33.25		25.459	253.1	0.371
150	10.07	33.31		25.644	235.5	0.433
200	9.04	33.79		26.187	183.9	0.539
250	8.61	34.02		26.434	160.5	0.628
300	7.61	33.98		26.552	149.2	0.707
400	6.29	34.02		26.764	129.1	0.852
500	5.38	34.07		26.917	114.6	0.979
600	5.01	34.17		27.039	103.0	1.094
700	4.61	34.26		27.155	92.0	1.199
800	4.42	34.36		27.255	82.5	1.294
1000	3.86	34.44		27.378	70.9	1.464

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 35131

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
35 00.0N	131 01.0W	4/27/72	0412 GMT	4974M	010	11KT	2	010 4 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	14.71	33.180						329.7
10	14.70	33.178	5.88					329.6
30	14.67	33.171						329.5
56	14.65	33.172						329.1
71	12.62	33.161						290.5
86	11.93	33.174						277.1
101	10.98	33.262						254.1
131	10.00	33.503						220.1
156	9.02	33.675						192.2
181	8.65	33.865						172.6
213	8.27	33.965						159.6
280	7.46	34.030						143.5
380	6.22	34.050						126.0
478	5.65	34.136						112.8
611	5.00	34.245						97.3
765	4.40	34.350						83.1
915	3.99	34.424						73.4
1126	3.44	34.485						63.6

Z	T	S	O2	SIGT	DT	DD
0	14.71	33.180		24.654	329.7	0.000
10	14.70	33.178	5.88	24.655	329.6	0.033
20	14.69	33.177		24.655	329.6	0.066
30	14.67	33.171		24.656	329.5	0.099
50	14.65	33.174		24.660	329.2	0.165
75	12.38	33.163		25.112	286.2	-0.242
100	11.04	33.257		25.432	255.7	0.311
125	10.16	33.456		25.741	226.3	0.371
150	9.23	33.635		26.034	198.5	0.425
200	8.42	33.938		26.398	163.8	0.517
250	7.82	34.017		26.549	149.6	0.598
300	7.19	34.035		26.655	139.5	0.672
400	6.07	34.067		26.828	123.1	0.808
500	5.53	34.156		26.965	110.0	0.931
600	5.05	34.237		27.087	98.5	1.041
700	4.63	34.310		27.192	88.6	1.142
800	4.30	34.370		27.276	80.5	1.234
1000	3.76	34.455		27.399	68.9	1.400

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RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 35133

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
34 58.5N	133 05.0W	4/27/72	1435 GMT	5071M	340	19KT	2	330 1 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	14.42	33.290	6.15	0.21	1.	0.01	0.0	315.8	0	14.42	33.290	6.15	24.801	315.8	0.000
10	14.40	33.282	6.10	0.21	1.	0.01	0.1	316.0	10	14.40	33.282	6.10	24.799	316.0	0.032
30	14.41	33.282	6.12	0.21	1.	0.01	0.0	316.2	20	14.40	33.284	6.11	24.797	316.1	0.063
55	14.37	33.301	6.03	0.25	1.	0.01	0.1	314.0	30	14.41	33.282	6.12	24.796	316.2	0.095
70	14.18	33.513	6.11	0.20	3.	0.00	0.1	294.6	50	14.38	33.299	6.04	24.815	314.4	0.158
84	14.09	33.553	6.05	0.19	2.	0.00	0.0	289.9	75	14.14	33.538	6.09	25.049	292.1	0.234
99	14.06	33.591	6.02	0.22	2.	0.00	0.0	286.5	100	14.05	33.594	6.02	25.110	286.3	0.307
129	13.37	33.582	5.92	0.25	4.	0.00	0.9	273.7	125	13.52	33.590	5.94	25.216	276.2	0.378
153	11.86	33.539	5.82	0.42	4.	0.00	3.1	248.9	150	12.06	33.543	5.84	25.467	252.3	0.445
178	10.71	33.597	5.58	0.64	6.	0.00	6.7	224.8	200	10.11	33.687	5.35	25.928	208.5	0.562
212	9.88	33.758	5.23	0.87	12.	0.02	11.3	200.8	250	9.26	33.920	4.96	26.252	177.7	0.661
276	8.85	33.997	4.75	1.32	24.	0.00	18.6	165.7	300	8.33	33.985	4.35	26.449	159.0	0.748
374	6.72	33.956	3.06		50.	0.00	30.3	139.3	400	6.26	33.956	2.82	26.716	133.7	0.900
471	5.31	33.980	2.29	2.65	70.	0.00	36.6	120.6	500	5.10	34.014	2.00	26.904	115.8	1.030
602	4.71	34.148	1.07	3.06	90.	0.00	44.3	101.5	600	4.71	34.146	1.09	27.053	101.7	1.144
753	4.41	34.310	0.55					86.2	700	4.50	34.260	0.65	27.167	90.9	1.247
903	4.01	34.396	0.52	3.28	120.	0.00	43.5	75.7	800	4.29	34.343	0.54	27.255	82.5	1.341
1112	3.45	34.463	0.78	3.25	137.	0.00	44.7	65.3	1000	3.75	34.435	0.60	27.384	70.3	1.510

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 35135

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
35 00.0N	134 59.0W	4/28/72	0256 GMT	5455M	010	21KT	1	010 8 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	15.06	33.560						309.1	0	15.06	33.560		24.871	309.1	0.000
11	15.05	33.556						309.2	10	15.05	33.558		24.870	309.1	0.031
32	15.07	33.560						309.3	20	15.06	33.561		24.869	309.2	0.062
57	14.93	33.548						307.3	30	15.07	33.562		24.869	309.3	0.093
72	14.52	33.642						292.0	50	14.97	33.553		24.884	307.8	0.155
88	14.32	33.692						284.3	75	14.50	33.659		25.065	290.5	0.230
103	13.43	33.654						269.6	100	13.65	33.668		25.251	272.9	0.301
133	10.68	33.459						234.5	125	11.38	33.495		25.555	243.9	0.366
158	9.86	33.615						209.6	150	10.03	33.551		25.837	217.1	0.425
183	9.47	33.811						189.0	200	9.48	33.917		26.214	181.3	0.526
219	9.49	33.992						175.9	250	8.95	33.995		26.361	167.4	0.615
284	8.42	33.998						159.3	300	8.13	33.993		26.484	155.7	0.699
382	6.67	33.949						139.2	400	6.38	33.938		26.687	136.4	0.850
479	5.30	33.920						125.0	500	5.11	33.945		26.848	121.2	0.984
612	4.48	34.113						101.7	600	4.52	34.093		27.032	103.7	1.102
763	4.13	34.273						86.1	700	4.24	34.214		27.158	91.7	1.206
913	3.77	34.389						73.9	800	4.04	34.307		27.253	82.8	1.300
1124	3.33	34.468						63.9	1000	3.58	34.434		27.401	68.7	1.467

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 35137

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
34 58.5N	137 03.0W	4/28/72	1400 GMT	5071M	030	19KT	2	020 4 9

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.26	33.660						305.9	0	15.26	33.660		24.904	305.9	0.000
10	15.25	33.693	6.03					303.3	10	15.25	33.693	6.03	24.931	303.3	0.030
31	15.28	33.693						303.9	20	15.26	33.694		24.928	303.6	0.061
56	15.27	33.693						303.7	30	15.28	33.694		24.925	303.9	0.091
71	15.12	33.704						299.8	50	15.27	33.695		24.926	303.8	0.152
86	14.67	33.765						286.0	75	15.01	33.723		25.006	296.2	0.228
101	14.30	33.742						280.2	100	14.33	33.746		25.170	280.6	0.300
132	13.01	33.682						259.5	125	13.33	33.692		25.333	265.0	0.369
157	11.94	33.715						237.4	150	12.26	33.707		25.557	243.8	0.434
182	10.59	33.690						215.9	200	10.25	33.770		25.970	204.6	0.548
218	10.12	33.867						195.1	250	9.64	33.969		26.229	179.9	0.646
283	9.07	34.022						167.2	300	8.72	34.011		26.409	162.8	0.735
382	6.97	33.920						145.2	400	6.63	33.925		26.645	140.5	0.892
482	5.38	33.769	U						500	5.20	33.962		26.852	120.8	1.028
616	4.41	34.063						104.7	600	4.48	34.050		27.002	106.5	1.148
771	3.90	34.244						86.1	700	4.08	34.168		27.138	93.6	1.254
920	3.64	34.319						78.0	800	3.84	34.263		27.239	84.1	1.349
1130	3.25	34.421						66.7	1000	3.49	34.359		27.349	73.6	1.521

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7205 35139

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
35 00.0N	138 58.0W	4/29/72	0043 GMT	5267M	050	17KT	1	040 5 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.70	33.999						290.4	0	15.70	33.999		25.066	290.4	0.000
10	15.73	33.996						291.3	10	15.73	33.996		25.057	291.3	0.029
30	15.72	33.999						290.9	20	15.73	33.999		25.059	291.1	0.058
56	15.96	34.201						281.3	30	15.72	33.999		25.062	290.9	0.087
71	16.12	34.282						278.8	50	15.89	34.149		25.137	283.6	0.145
86	15.93	34.295						273.8	75	16.08	34.286		25.199	277.8	0.216
101	15.85	34.381						265.8	100	15.86	34.375		25.319	266.4	0.284
131	13.71	34.101						242.2	125	14.24	34.174		25.517	247.6	0.350
157	11.84	33.964						217.3	150	12.31	33.991		25.766	223.9	0.409
182	10.66	33.936						198.9	200	10.30	33.967		26.114	190.8	0.515
217	10.12	34.003						185.1	250	9.63	34.037		26.282	174.8	0.609
282	9.15	34.047						166.5	300	8.84	34.041		26.414	162.4	0.696
381	7.44	33.996						145.7	400	7.14	33.995		26.630	141.8	0.854
482	5.95	34.001						126.4	500	5.71	34.000		26.821	123.8	0.993
616	4.51	34.022						108.9	600	4.64	34.017		26.959	110.7	1.116
770	4.01	34.202						90.3	700	4.16	34.116		27.089	98.3	1.227
920	3.54	34.323						76.7	800	3.91	34.231		27.206	87.2	1.326
1131	3.08	34.430						64.5	1000	3.34	34.373		27.375	71.1	1.499

RV ALEXANDER AGASSIZ — CALCOFI CRUISE 7205 — 35141

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
34 57.0N	141 00.0W	4/29/72	1217 GMT	5361M	100	16KT	1	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1	15.86	33.978	5.68	0.07	2.	0.00	0.0	295.4
11	15.83	33.979	5.76	0.06	2.	0.00	0.0	294.7
32	15.85	33.978	5.80	0.07	2.	0.00	0.0	295.2
57	15.85	33.970	5.78	0.07	2.	0.01	0.0	295.8
72	15.54	33.957	5.76	0.10	2.	0.01	0.0	290.1
88	15.03	33.923	5.67	0.11	2.	0.01	0.0	281.9
133	14.96	33.961	5.60	0.11	2.	0.01	0.2	277.7
157	14.23	33.994	5.66	0.17	3.	0.01	0.9	260.4
183	12.92	33.958	5.52	0.30	4.	0.01	2.2	237.5
220	10.91	33.888	5.27	0.67	8.	0.01	8.4	206.7
284	9.84	34.047	4.83	1.03	16.	0.00	14.4	177.3
384	7.98	33.995	4.07	1.66	33.	0.00	23.3	153.3
482	6.42	34.011						131.4
616	4.87	34.022	1.67	2.79	83.	0.00	39.0	112.6
770	4.33	34.194	0.79	3.14	104.	0.00	43.8	94.1
920	3.96	34.356	0.59	3.26	122.	0.00	45.0	78.2
1131	3.37	34.451	0.64	3.25	130.	0.00	45.2	65.5

Z	T	S	O2	SIGT	DT	DD
0	15.86	33.978	5.68	25.014	295.4	0.000
10	15.83	33.980	5.75	25.021	294.7	0.030
20	15.84	33.980	5.78	25.019	294.9	0.059
30	15.85	33.979	5.80	25.017	295.1	0.089
50	15.85	33.973	5.79	25.012	295.6	0.148
75	15.44	33.952	5.74	25.086	288.5	0.221
100	15.01	33.928	5.65	25.163	281.2	0.293
125	14.97	33.951	5.61	25.189	278.7	0.364
150	14.49	33.988	5.65	25.321	266.1	0.433
200	11.94	33.918	5.41	25.780	222.6	0.558
250	10.22	33.956	5.07	26.119	190.3	0.663
300	9.54	34.049	4.72	26.307	172.5	0.757
400	7.70	33.996	3.90	26.550	149.4	0.924
500	6.16	34.010	2.84	26.771	128.4	1.070
600	5.01	34.019	1.83	26.919	114.5	1.198
700	4.48	34.108	1.11	27.048	102.2	1.313
800	4.25	34.231	0.75	27.170	90.6	1.416
1000	3.75	34.411	0.61	27.365	72.1	1.595

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 31127

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 00.0N	127 00.0W	4/21/72	0548 GMT	4688M	010	10KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	16.05	33.72		24.773	318.3	0.000
10	16.04	33.73		24.783	317.4	0.032
20	16.05	33.73		24.781	317.6	0.064
30	16.05	33.73		24.781	317.6	0.095
50	16.04	33.73		24.783	317.4	0.159
75	14.69	33.61		24.989	297.8	0.237
100	15.30	33.92		25.094	287.7	0.310
125	14.09	33.78		25.247	273.3	0.381
150	12.19	33.62		25.503	248.9	0.447
200	10.04	33.78		26.015	200.3	0.562
250	9.35	33.96		26.269	176.1	0.658
300	8.11	33.97		26.471	157.0	0.744
400	6.60	34.03		26.731	132.2	0.894
500	5.56	34.12		26.935	113.0	1.022
600	5.03	34.23		27.084	98.8	1.134
700	4.64	34.31		27.192	88.6	1.235
800	4.32	34.37		27.274	80.8	1.327
1000	3.70	34.46		27.410	67.9	1.492

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 31129

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 00.0N	129 00.0W	4/21/72	2230 GMT	3834M	040	13KT	2	020 3 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	16.59	33.87		24.764	319.2	0.000
10	16.58	33.88		24.774	318.2	0.032
20	16.58	33.88		24.774	318.2	0.064
30	16.58	33.88		24.774	318.2	0.096
50	16.59	33.89		24.779	317.7	0.159
75	16.63	33.94		24.809	315.0	0.239
100	16.74	34.17		24.959	300.6	0.317
125	16.29	34.09		25.002	296.5	0.392
150	14.93	33.94		25.191	278.6	0.465
200	11.49	33.66		25.665	233.5	0.595
250	9.70	33.87		26.142	188.2	0.703
300	8.62	33.98		26.401	163.6	0.794
400	7.04	34.06		26.695	135.6	0.949
500	6.01	34.12		26.879	118.2	1.082
600	5.39	34.23		27.042	102.8	1.200
700	4.79	34.31		27.175	90.2	1.303
800	4.39	34.37		27.266	81.5	1.397
1000	3.76	34.46		27.404	68.5	1.563

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 31129

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 00.0N	129 00.0W	4/21/72	2358 GMT	3834M	040	13KT	2	020 3 3

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
2	16.49	33.848	6.03	0.25	2.	0.01	0.0	318.6
12	16.50	33.848	5.91	0.23	2.	0.01	0.0	318.8
31	16.51	33.849	5.92	0.20	2.	0.01	0.0	319.0
54	16.53	33.853	5.92	0.19	2.	0.00	0.1	319.1
69	16.52		5.92	0.20	2.	0.00	0.0	
83	16.53	33.962	5.93	0.18	2.	0.02	0.0	311.2
97	16.43	34.016	6.03	0.17	2.	0.00	0.0	305.0
127	16.27	34.088	5.80	0.18	2.	0.01	0.0	296.3
150	15.56	34.054	5.63	0.25	3.	0.09	0.0	283.4
175	13.31	33.730	5.53	0.46	4.	0.02	2.0	261.7
208	11.34	33.667	5.25	0.76	8.	0.02	6.4	230.4
270	9.36	33.942	4.55	1.35	21.	0.01	16.4	177.6
368	7.63	34.039	2.76	2.19	45.	0.01	29.9	145.1
466	6.42	34.097	1.66	2.73	66.	0.02	38.4	125.0
598	5.23	34.216	0.60	3.16	91.	0.01	44.1	102.0
749	4.57	34.329	0.48	3.35	102.	0.02	46.2	86.4
896	4.04	34.415	0.62	3.31	103.	0.02	46.3	74.6
1101	3.55	34.488	0.92	3.28	104.	0.01	46.0	64.4

Z	T	S	O2	SIGT	DT	DD
0	16.49	33.848	6.03	24.771	318.6	0.000
10	16.50	33.849	5.93	24.769	318.8	0.032
20	16.50	33.850	5.91	24.767	318.9	0.064
30	16.51	33.850	5.92	24.767	319.0	0.096
50	16.53	33.854	5.92	24.765	319.1	0.160
75	16.52	33.921	5.92	24.817	314.1	0.239
100	16.41	34.070	6.02	24.959	300.6	0.317
125	16.28	34.088	5.82	25.002	296.6	0.392
150	15.56	34.054	5.63	25.140	283.4	0.466
200	11.74	33.659	5.33	25.618	238.0	0.599
250	9.84	33.839	4.81	26.093	192.8	0.709
300	8.71	33.998	4.01	26.400	163.7	0.801
400	7.19	34.060	2.35	26.673	137.7	0.957
500	6.06	34.127	1.32	26.877	118.4	1.092
600	5.22	34.219	0.60	27.052	101.8	1.208
700	4.74	34.297	0.52	27.169	90.7	1.312
800	4.37	34.362	0.51	27.262	81.9	1.406
1000	3.76	34.460	0.76	27.403	68.5	1.572

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 31131

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 01.0N	131 00.0W	4/22/72	0933 GMT	4507M	030	10KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.34	33.85		24.807	315.2	0.000
									10	16.34	33.86		24.814	314.4	0.031
									20	16.35	33.86		24.812	314.6	0.063
									30	16.35	33.86		24.812	314.6	0.095
									50	16.35	33.86		24.812	314.6	0.158
									75	15.82	33.90		24.963	300.2	0.235
									100	15.88	34.08		25.088	288.4	0.309
									125	15.99	34.17		25.132	284.2	0.382
									150	16.02	34.22		25.163	281.2	0.453
									200	13.19	33.84		25.478	251.3	0.589
									250	10.45	33.80		25.960	205.5	0.706
									300	9.34	33.97		26.279	175.2	0.804
									400	7.41	34.01		26.604	144.3	0.970
									500	6.28	34.03		26.773	128.2	1.112
									600	5.05	34.09		26.971	109.5	1.238
									700	4.54	34.20		27.115	95.8	1.347
									800	4.26	34.30		27.225	85.4	1.445
									1000	3.71	34.42		27.377	71.0	1.617

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 31133

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 00.0N	133 00.0W	4/22/72	1925 GMT	4697M	010	2KT	1	020 1 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.76	33.97		24.801	315.7	0.000
									10	16.73	33.97		24.808	315.0	0.032
									20	16.72	33.97		24.811	314.8	0.063
									30	16.72	33.97		24.811	314.8	0.095
									50	16.73	33.98		24.816	314.3	0.158
									75	17.06	34.31		24.991	297.6	0.235
									100	16.26	34.16		25.062	290.8	0.309
									125	16.54	34.30		25.105	286.7	0.382
									150	14.44	33.92		25.281	270.0	0.453
									200	11.04	33.69		25.770	223.5	0.578
									250	9.51	33.87		26.173	185.2	0.683
									300	8.55	33.97		26.404	163.3	0.772
									400	6.91	34.03		26.689	136.2	0.928
									500	5.87	34.10		26.880	118.1	1.061
									600	5.16	34.19		27.037	103.2	1.178
									700	4.74	34.28		27.157	91.9	1.283
									800	4.34	34.35		27.256	82.5	1.378
									1000	3.77	34.46		27.403	68.6	1.545

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 31135

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 00.0N	135 00.0W	4/23/72	0707 GMT	4327M	220	14KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.75	34.16		24.949	301.6	0.000
									10	16.76	34.17		24.954	301.1	0.030
									20	16.73	34.17		24.961	300.4	0.060
									30	16.71	34.17		24.966	300.0	0.090
									50	16.66	34.19		24.993	297.4	0.150
									75	16.51	34.30		25.112	286.1	0.224
									100	16.80	34.52		25.213	276.5	0.295
									125	16.60	34.58		25.305	267.6	0.364
									150	16.39	34.58		25.354	263.0	0.431
									200	13.57	34.08		25.586	241.0	0.560
									250	10.78	34.03		26.080	194.0	0.671
									300	9.83	34.07		26.276	175.5	0.766
									400	7.58	33.99		26.564	148.1	0.934
									500	5.88	34.01		26.808	124.9	1.077
									600	5.03	34.09		26.973	109.3	1.201
									700	4.79	34.24		27.119	95.4	1.310
									800	4.31	34.32		27.235	84.4	1.408
									1000	3.79	34.44		27.385	70.3	1.579

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 31137

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 00.0N	137 00.0W	4/23/72	2250 GMT	4889M	310	10KT	5	300 5 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.18	34.23		24.901	306.2	0.000
									10	17.16	34.24		24.913	305.0	0.031
									20	17.15	34.24		24.916	304.7	0.061
									30	17.14	34.25		24.926	303.8	0.092
									50	17.13	34.25		24.928	303.6	0.153
									75	16.69	34.43		25.169	280.6	0.226
									100	16.75	34.55		25.247	273.2	0.296
									125	16.39	34.52		25.308	267.4	0.364
									150	16.46	34.61		25.361	262.4	0.432
									200	13.36	34.09		25.636	236.2	0.559
									250	11.23	33.97		25.953	206.1	0.672
									300	9.45	33.98		26.269	176.1	0.771
									400	7.47	33.99		26.580	146.6	0.938
									500	6.09	34.02		26.790	126.7	1.081
									600	5.08	34.10		26.975	109.1	1.206
									700	4.77	34.23		27.114	96.0	1.315
									800	4.58	34.33		27.214	86.4	1.414
									1000	3.87	34.44		27.377	71.0	1.589

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 31137

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 00.0N	137 00.0W	4/24/72	0030 GMT	4889M	310	10KT	5	300 5 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	17.07	34.187	5.72	0.10	2.	0.01	0.0	306.8	0	17.07	34.187	5.72	24.894	306.8	0.000
11	17.01	34.189	5.72	0.10	2.	0.01	0.0	305.3	10	17.01	34.190	5.72	24.909	305.4	0.031
31	17.00	34.201	5.71	0.11	2.	0.01	0.0	304.2	20	17.01	34.192	5.72	24.913	305.0	0.061
56	17.09	34.370	5.72	0.11	2.	0.00	0.0	293.9	30	17.00	34.201	5.71	24.920	304.3	0.092
71	16.72		5.73	0.11	2.	0.01	0.0		50	17.07	34.322	5.72	24.997	297.0	0.152
86	16.70	34.472	5.67	0.10	2.	0.00	0.0	277.7	75	16.71	34.402	5.72	25.141	283.2	0.225
101	16.70	34.523	5.63	0.09	2.	0.00	0.0	274.0	100	16.70	34.521	5.63	25.236	274.2	0.295
131	16.48	34.559	5.61	0.10	3.	0.03	0.0	266.5	125	16.53	34.556	5.61	25.304	267.8	0.364
156	16.47	34.589	5.57	0.11	3.	0.07	0.0	264.1	150	16.47	34.581	5.58	25.335	264.8	0.432
180	15.68	34.472	5.40	0.23	3.	0.02	0.2	255.5	200	14.28	34.254	5.34	25.572	242.3	0.561
215	13.12	34.099	5.31	0.46	5.	0.01	2.6	231.0	250	11.32	34.001	5.11	25.959	205.5	0.676
278	10.26	34.006	4.89	1.02	15.	0.00	12.5	187.1	300	9.61	34.001	4.71	26.258	177.1	0.775
376	7.99	34.003	3.91	1.73	35.	0.00	23.5	152.8	400	7.52	34.003	3.52	26.581	146.5	0.943
472	6.35	34.010	2.34	2.48	59.	0.00	35.0	130.6	500	6.00	34.025	2.00	26.804	125.4	1.085
602	5.11	34.103	1.06	2.98	85.	0.00	41.8	109.2	600	5.12	34.102	1.07	26.972	109.4	1.209
751	4.69	34.291	0.34	3.26	105.	0.00	45.9	90.5	700	4.78	34.228	0.50	27.110	96.3	1.319
897	4.15	34.399	0.41	3.32	119.	0.00	46.8	76.9	800	4.51	34.335	0.36	27.225	85.4	1.417
1104	3.59	34.472	0.75	3.23	131.	0.00	45.4	65.9	1000	3.84	34.448	0.54	27.385	70.2	1.590

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 31139

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 00.0N	139 00.0W	4/24/72	1342 GMT	4121M	030	10KT	1	010 8 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.47	34.69		25.183	279.3	0.000
									10	17.47	34.70		25.191	278.5	0.028
									20	17.48	34.70		25.188	278.8	0.056
									30	17.48	34.70		25.188	278.8	0.084
									50	17.48	34.70		25.188	278.8	0.140
									75	17.18	34.72		25.276	270.5	0.209
									100	16.62	34.66		25.362	262.3	0.276
									125	16.53	34.69		25.406	258.1	0.342
									150	15.83	34.58		25.482	250.8	0.407
									200	12.30	34.01		25.784	222.2	0.527
									250	10.87	34.00		26.041	197.7	0.635
									300	9.63	34.05		26.293	173.8	0.731
									400	7.55	33.98		26.561	148.4	0.898
									500	6.02	33.98		26.767	128.8	1.043
									600	4.91	34.06		26.963	110.2	1.169
									700	4.44	34.16		27.095	97.8	1.280
									800	4.10	34.26		27.210	86.8	1.379
									1000	3.61	34.43		27.395	69.3	1.551

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 31141

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 00.0N	141 00.0W	4/25/72	0207 GMT	4793M	330	12KT	1	020 8 8

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	18.09	34.84		25.146	282.8	0.000
									10	18.08	34.84		25.149	282.5	0.028
									20	17.95	34.83		25.173	280.2	0.056
									30	17.94	34.84		25.183	279.2	0.085
									50	17.90	34.84		25.193	278.3	0.141
									75	17.58	34.88		25.302	268.0	0.209
									100	17.37	34.89		25.360	262.4	0.276
									125	17.13	34.84		25.379	260.6	0.343
									150	15.84	34.64		25.526	246.6	0.407
									200	12.39	34.22		25.929	208.4	0.523
									250	11.07	34.16		26.130	189.3	0.625
									300	10.12	34.11		26.258	177.2	0.720
									400	8.34	34.04		26.491	155.0	0.893
									500	6.56	33.96		26.682	136.9	1.046
									600	5.11	33.98		26.877	118.4	1.180
									700	4.52	34.10		27.038	103.1	1.298
									800	4.13	34.21		27.167	90.9	1.402
									1000	3.65	34.41		27.375	71.2	1.579

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 31143

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 00.0N	143 00.0W	4/25/72	1429 GMT	4889M	280	10KT	1	110 6 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	18.10	34.89		25.182	279.4	0.000
									10	18.11	34.91		25.195	278.1	0.028
									20	18.11	34.91		25.195	278.1	0.056
									30	18.10	34.91		25.197	277.9	0.084
									50	18.10	34.91		25.197	277.9	0.139
									75	18.02	34.99		25.278	270.2	0.209
									100	17.55	34.96		25.370	261.5	0.276
									125	16.91	34.81		25.409	257.8	0.342
									150	15.10	34.47		25.561	243.4	0.405
									200	12.34	34.19		25.915	209.7	0.521
									250	11.55	34.21		26.080	194.0	0.624
									300	10.45	34.17		26.247	178.1	0.721
									400	8.56	34.06		26.473	156.8	0.895
									500	6.48	33.97		26.700	135.2	1.048
									600	5.03	33.99		26.894	116.8	1.181
									700	4.38	34.10		27.054	101.7	1.296
									800	4.01	34.21		27.180	89.7	1.399
									1000	3.65	34.40		27.367	71.9	1.576

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 31145

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 00.0N	145 00.0W	4/26/72	0105 GMT	5661M	300	13KT	1	100 4 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.04	35.27		25.235	274.2	0.000
									10	19.03	35.28		25.246	273.3	0.027
									20	19.01	35.28		25.251	272.8	0.055
									30	18.97	35.28		25.261	271.8	0.082
									50	18.96	35.28		25.264	271.6	0.137
									75	18.95	35.28		25.266	271.3	0.205
									100	18.93	35.28		25.271	270.8	0.274
									125	18.58	35.21		25.306	267.5	0.342
									150	17.30	34.96		25.430	255.7	0.408
									200	13.64	34.35		25.779	222.6	0.531
									250	11.90	34.22		26.023	199.5	0.639
									300	11.09	34.19		26.149	187.5	0.739
									400	9.32	34.10		26.383	165.2	0.923
									500	7.16	33.98		26.616	143.2	1.085
									600	5.45	33.97		26.829	122.9	1.225
									700	4.55	34.06		27.004	106.4	1.347
									800	4.11	34.18		27.146	92.9	1.453
									1000	3.57	34.37		27.351	73.4	1.635

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 31145

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 00.0N	145 00.0W	4/26/72	0249 GMT	5661M	300	13KT	1	100 4 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
2	19.01	35.223	5.49	0.03	2.	0.00	0.0	276.9	0	19.01	35.223	5.49	25.207	276.9	0.000
12	19.01	35.222	5.47	0.01	2.	0.00	0.0	277.0	10	19.01	35.222	5.47	25.207	277.0	0.028
32	18.98	35.222	5.48	0.01	2.	0.00	0.0	276.3	20	19.00	35.222	5.47	25.209	276.8	0.055
56	18.95	35.218	5.50	0.01	2.	0.00	0.0	275.8	30	18.98	35.222	5.48	25.213	276.4	0.083
71	18.94		5.47	0.01	2.	0.00	0.0		50	18.96	35.218	5.50	25.218	275.9	0.139
84	18.93	35.221	5.50	0.01	2.	0.00	0.0	275.1	75	18.94	35.221	5.48	25.225	275.2	0.208
100	18.95	35.219	5.46	0.03	2.	0.00	0.0	275.8	100	18.95	35.219	5.46	25.220	275.8	0.278
128	18.81	35.201	5.42	0.03	2.	0.00	0.0	273.7	125	18.83	35.203	5.42	25.239	273.9	0.347
152	17.77	35.007	5.18	0.14	3.	0.04	1.0	263.1	150	17.90	35.030	5.20	25.339	264.4	0.416
176	15.54	34.636	5.21	0.29	4.	0.02	2.6	240.5	200	13.82	34.385	5.25	25.769	223.6	0.541
209	13.31	34.319	5.26	0.49	7.	0.01	5.7	218.5	250	12.08	34.242	5.20	26.005	201.2	0.650
269	11.79	34.249	5.15	0.72	10.	0.01	9.9	195.4	300	11.19	34.224	5.13	26.156	186.8	0.750
361	10.09	34.165	4.99	1.07	19.	0.01	16.8	172.6	400	9.22	34.111	4.71	26.407	163.0	0.932
453	8.04	34.043	4.22	1.64	36.	0.01	22.6	150.5	500	7.12	34.001	3.78	26.637	141.2	1.092
575	5.88	33.974	3.02	2.33	62.	0.00	32.9	127.6	600	5.55	33.987	2.69	26.829	122.9	1.231
717	4.44	34.092	1.30	3.01	99.	0.00	42.3	102.9	700	4.56	34.073	1.49	27.012	105.6	1.353
858	3.84	34.248	0.59	3.26	125.	0.00	45.8	85.2	800	4.02	34.185	0.79	27.159	91.7	1.458
1062	3.50	34.415	0.64	3.30	138.	0.00	46.4	69.4	1000	3.54	34.373	0.62	27.356	73.0	1.638

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 27125

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	125 00.0W	5/ 2/72	0916 GMT	4602M	060	5KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.91	33.57		24.690	326.3	0.000
									10	15.86	33.56		24.694	325.9	0.033
									20	15.75	33.56		24.718	323.6	0.065
									30	15.73	33.56		24.723	323.2	0.098
									50	15.70	33.56		24.730	322.5	0.162
									75	14.80	33.49		24.873	308.8	0.242
									100	13.91	33.43		25.015	295.4	0.318
									125	13.40	33.47		25.150	282.5	0.391
									150	12.27	33.51		25.403	258.4	0.459
									200	10.07	33.71		25.955	205.9	0.577
									250	9.08	34.00		26.344	169.0	0.673
									300	8.15	34.10		26.567	147.9	0.755
									400	6.64	34.17		26.836	122.3	0.896
									500	6.12	34.26		26.975	109.1	1.018
									600	5.51	34.36		27.130	94.4	1.126
									700	5.01	34.41		27.229	85.0	1.224
									800	4.63	34.46		27.311	77.2	1.313
									1000	3.92	34.51		27.427	66.2	1.474

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 27125

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	125 00.0W	5/ 2/72	1053 GMT	4602M	060	5KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.92	33.569	5.96	0.28	2.	0.02	0.0	326.6	0	15.92	33.569	5.96	24.687	326.6	0.000
10	15.87	33.567	5.94	0.27	2.	0.00	0.0	325.6	10	15.87	33.567	5.94	24.697	325.6	0.033
30	15.72	33.554	6.01	0.28	2.	0.00	0.0	323.4	20	15.81	33.563	5.97	24.706	324.7	0.065
55	15.36	33.543	6.08	0.27	2.	0.00	0.0	316.6	30	15.72	33.554	6.01	24.720	323.4	0.098
70	14.91	33.530	6.11	0.27	2.	0.00	0.0	308.2	50	15.46	33.547	6.07	24.772	318.5	0.162
85	14.35	33.458	6.16	0.32	2.	0.00	0.0	302.1	75	14.72	33.509	6.13	24.903	306.0	0.241
100	13.93	33.431	6.09	0.33	4.	0.00	0.0	295.7	100	13.93	33.431	6.09	25.011	295.7	0.316
130	12.99	33.505	5.74	0.47	4.	0.03	2.5	272.1	125	13.19	33.490	5.82	25.206	277.2	0.389
154	11.37	33.541	5.29	0.87	9.	0.01	7.9	240.2	150	11.64	33.534	5.38	25.537	245.7	0.455
179	10.38	33.663	4.61	1.24	15.	0.00	14.3	214.5	200	9.74	33.781	4.34	26.064	195.5	0.567
213	9.42	33.849	4.22	1.56	22.	0.01	19.0	185.4	250	8.85	33.990	3.57	26.372	166.3	0.660
277	8.55	34.054	3.06	2.08	38.	0.01	27.4	157.1	300	8.17	34.078	2.74	26.545	149.9	0.741
375	7.04	34.108	1.85	2.65	58.	0.00	37.3	132.1	400	6.79	34.135	1.56	26.788	126.8	0.885
472	6.24	34.214	0.87	3.04	74.	0.00	41.5	114.0	500	6.09	34.243	0.79	26.965	110.0	1.010
602	5.62	34.327	0.51	3.25	90.	0.01	44.6	98.1	600	5.63	34.326	0.52	27.088	98.3	1.121
752	4.87	34.402	0.57	3.37	95.	0.02	46.6	84.1	700	5.12	34.381	0.55	27.193	88.4	1.222
898	4.41	34.454	0.66	3.32	105.	0.00	46.3	75.4	800	4.70	34.422	0.59	27.273	80.9	1.315
1106	3.76	34.500	1.02	3.29	122.	0.01	45.6	65.4	1000	4.09	34.482	0.80	27.386	70.1	1.484

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 27127

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	126 59.5W	5/ 1/72	2301 GMT	4507M	030	10KT	1	020 4 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	17.34	34.07		24.740	321.4	0.000
10	17.24	34.08		24.772	318.4	0.032
20	17.12	34.09		24.808	315.0	0.064
30	17.10	34.10		24.821	313.8	0.095
50	17.11	34.11		24.826	313.3	0.158
75	17.12	34.12		24.831	312.8	0.237
100	17.25	34.35		24.976	299.0	0.314
125	17.19	34.42		25.044	292.5	0.389
150	16.94	34.46		25.134	284.0	0.462
200	12.26	33.83		25.652	234.7	0.594
250	9.21	33.89		26.237	179.1	0.700
300	8.43	34.00		26.446	159.3	0.787
400	6.59	34.02		26.725	132.8	0.939
500	5.54	34.15		26.961	110.5	1.066
600	5.11	34.27		27.106	96.6	1.176
700	4.66	34.36		27.229	85.0	1.274
800	4.33	34.43		27.320	76.3	1.363
1000	3.85	34.52		27.442	64.8	1.520

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 27129

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	129 00.0W	5/ 1/72	1214 GMT	4410M	020	12KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	17.86	34.38		24.852	310.8	0.000
10	17.86	34.38		24.852	310.8	0.031
20	17.86	34.38		24.852	310.8	0.062
30	17.87	34.39		24.857	310.3	0.093
50	17.88	34.40		24.862	309.8	0.156
75	17.89	34.41		24.867	309.3	0.234
100	17.53	34.49		25.016	295.2	0.310
125	16.65	34.44		25.187	279.0	0.383
150	15.27	34.17		25.293	268.8	0.452
200	11.65	33.82		25.760	224.5	0.578
250	9.85	33.96		26.187	183.9	0.682
300	8.66	34.02		26.426	161.2	0.771
400	6.69	34.05		26.735	131.9	0.923
500	5.64	34.13		26.933	113.1	1.052
600	5.12	34.26		27.097	97.5	1.164
700	4.73	34.36		27.221	85.8	1.262
800	4.36	34.44		27.325	75.9	1.351
1000	3.84	34.52		27.443	64.7	1.508

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 27131

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	131 00.0W	5/ 1/72	0155 GMT	4889M	040	16KT	2	040 6 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	17.73	34.38		24.883	307.8	0.000
10	17.73	34.39		24.891	307.1	0.031
20	17.73	34.39		24.891	307.1	0.062
30	17.74	34.39		24.889	307.3	0.092
50	17.70	34.39		24.898	306.4	0.154
75	17.50	34.49		25.023	294.5	0.230
100	17.35	34.53		25.090	288.2	0.303
125	17.49	34.76		25.232	274.6	0.374
150	17.53	34.93		25.352	263.2	0.443
200	12.48	33.97		25.718	228.4	0.568
250	10.33	33.94		26.089	193.2	0.676
300	9.06	34.01		26.355	167.9	0.769
400	7.41	34.10		26.675	137.6	0.928
500	6.15	34.15		26.884	117.7	1.062
600	5.20	34.23		27.064	100.6	1.178
700	4.74	34.33		27.196	88.1	1.280
800	4.52	34.43		27.300	78.3	1.371
1000	3.94	34.52		27.433	65.7	1.532

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 27133

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	133 01.0W	4/30/72	1321 GMT	4697M	070	22KT		070 7 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	18.12	34.42		24.818	314.0	0.000
10	18.13	34.43		24.824	313.5	0.031
20	18.13	34.43		24.824	313.5	0.063
30	18.13	34.44		24.831	312.8	0.094
50	18.14	34.46		24.844	311.6	0.157
75	18.21	34.57		24.911	305.2	0.235
100	18.00	34.62		25.000	296.7	0.310
125	17.99	34.70		25.064	290.6	0.385
150	18.11	34.75		25.073	289.8	0.458
200	14.08	34.09		25.488	250.3	0.596
250	11.58	33.94		25.866	214.4	0.715
300	9.41	33.98		26.275	175.5	0.816
400	7.24	34.03		26.644	140.5	0.980
500	5.95	34.10		26.871	119.0	1.116
600	5.14	34.21		27.055	101.5	1.233
700	4.65	34.32		27.198	87.9	1.334
800	4.43	34.41		27.294	78.9	1.425
1000	3.94	34.52		27.433	65.7	1.587

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 27133

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	133 01.0W	4/30/72	1447 GMT	4697M	070	22KT		070 7 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	18.08	34.384	5.68	0.20	1.	0.02	0.0	315.7	0	18.08	34.384	5.68	24.801	315.7	0.000
11	18.08	34.383	5.72	0.18	1.	0.00	0.0	315.7	10	18.08	34.384	5.72	24.800	315.7	0.032
32	18.09	34.384	5.69	0.18	1.	0.00	0.0	315.9	20	18.08	34.384	5.71	24.799	315.8	0.063
57	18.13	34.392	5.68	0.16	1.	0.00	0.0	316.3	30	18.09	34.384	5.69	24.798	315.9	0.095
70	18.22	34.489	5.67	0.15	1.	0.00	0.0	311.3	50	18.12	34.390	5.68	24.796	316.2	0.158
86	18.17	34.580	5.64	0.20	2.	0.00	0.0	303.5	75	18.20	34.518	5.67	24.872	308.9	0.237
100	17.78	34.526	5.56	0.14	1.	0.00	0.0	298.4	100	17.78	34.526	5.56	24.983	298.4	0.314
130	18.14	34.721	5.38	0.15	2.	0.00	0.0	292.6	125	18.04	34.678	5.41	25.035	293.3	0.389
154	18.16	34.793	5.30	0.17	2.	0.00	0.0	287.8	150	18.16	34.777	5.32	25.082	288.9	0.462
180	16.75	34.541	5.09	0.13	1.	0.06	0.0	273.8	200	14.77	34.214	4.85	25.435	255.3	0.601
215	13.23	34.005	4.63	0.22	2.	0.02	0.4	240.0	250	11.26	33.937	4.02	25.921	209.2	0.720
278	10.29	33.998	3.49	0.56	6.	0.00	4.5	188.2	300	9.58	33.999	3.05	26.261	176.8	0.820
376	7.78	34.006	1.87	1.14	17.	0.00	15.5	149.6	400	7.30	34.022	1.86	26.627	142.1	0.985
474	6.14	34.079	1.83	1.92	39.	0.00	26.9	122.9	500	5.86	34.101	1.62	26.882	118.0	1.121
606	5.10	34.192	0.67	2.69	64.	0.00	38.5	102.4	600	5.13	34.188	0.73	27.039	103.1	1.239
756	4.50	34.348	0.45	3.26	110.	0.00	45.6	84.3	700	4.67	34.293	0.53	27.174	90.3	1.342
902	4.17	34.446	0.63	3.26	114.	0.00	45.8	73.5	800	4.39	34.384	0.48	27.277	80.5	1.435
1107	3.70	34.504	0.88	3.24	127.	0.00	45.6	64.6	1000	3.95	34.486	0.75	27.405	68.3	1.601

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 27135

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	135 00.0W	4/30/72	0011 GMT	4602M	050	20KT	2	070 6 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.11	34.83		24.882	307.9	0.000
									10	19.11	34.84		24.890	307.2	0.031
									20	19.11	34.84		24.890	307.2	0.062
									30	19.11	34.84		24.890	307.2	0.092
									50	19.12	34.84		24.888	307.4	0.154
									75	19.02	34.82		24.898	306.4	0.231
									100	18.10	34.72		25.052	291.7	0.307
									125	17.94	34.84		25.183	279.2	0.379
									150	16.97	34.61		25.241	273.7	0.449
									200	13.32	34.06		25.621	237.7	0.580
									250	10.23	33.92		26.091	193.0	0.690
									300	9.11	34.02		26.355	167.9	0.783
									400	6.96	34.01		26.667	138.3	0.942
									500	5.70	34.11		26.909	115.3	1.075
									600	5.12	34.24		27.081	99.0	1.189
									700	4.76	34.34		27.202	87.6	1.289
									800	4.48	34.43		27.304	77.9	1.380
									1000	3.94	34.50		27.417	67.2	1.542

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 27137

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	137 00.0W	4/29/72	1204 GMT	4889M	070	22KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.04	34.79		24.870	309.1	0.000
									10	19.04	34.80		24.877	308.3	0.031
									20	19.04	34.80		24.877	308.3	0.062
									30	19.04	34.80		24.877	308.3	0.093
									50	18.91	34.79		24.903	305.9	0.154
									75	17.90	34.63		25.033	293.6	0.230
									100	17.65	34.73		25.170	280.5	0.302
									125	17.56	34.81		25.253	272.6	0.372
									150	16.62	34.60		25.316	266.6	0.441
									200	12.51	33.97		25.712	229.0	0.567
									250	10.51	33.96		26.074	194.7	0.676
									300	9.00	34.02		26.372	166.3	0.769
									400	7.16	34.01		26.639	141.0	0.928
									500	5.66	34.05		26.867	119.4	1.065
									600	5.06	34.21		27.065	100.6	1.181
									700	4.70	34.34		27.209	87.0	1.282
									800	4.39	34.41		27.298	78.5	1.372
									1000	3.87	34.50		27.424	66.5	1.534

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 27139

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	139 00.0W	4/28/72	2350 GMT	4697M	080	21KT	1	080 6 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.89	34.85		24.696	325.6	0.000
									10	19.88	34.85		24.698	325.4	0.033
									20	19.82	34.86		24.722	323.2	0.065
									30	19.64	34.87		24.776	318.0	0.097
									50	18.79	34.89		25.009	295.8	0.159
									75	18.64	35.02		25.146	282.7	0.232
									100	18.30	35.02		25.232	274.6	0.302
									125	18.05	34.98		25.263	271.6	0.371
									150	18.21	35.12		25.330	265.2	0.440
									200	17.52	35.00		25.408	257.9	0.573
									250	12.99	34.17		25.772	223.3	0.697
									300	10.33	34.06		26.183	184.3	0.802
									400	7.58	34.01		26.580	146.6	0.974
									500	6.09	34.09		26.845	121.5	1.114
									600	5.16	34.13		26.990	107.7	1.236
									700	4.71	34.26		27.144	93.1	1.343
									800	4.26	34.37		27.280	80.1	1.437
									1000	3.80	34.50		27.431	65.8	1.599

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 27141

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	141 00.0W	4/28/72	1010 GMT	4697M	080	25KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	19.84	35.13		24.922	304.1	0.000
10	19.87	35.15		24.929	303.4	0.030
20	19.86	35.15		24.932	303.2	0.061
30	19.86	35.15		24.932	303.2	0.091
50	19.91	35.18		24.941	302.2	0.152
75	19.87	35.23		24.990	297.6	0.228
100	19.13	35.18		25.144	283.0	0.301
125	18.94	35.19		25.200	277.6	0.372
150	18.66	35.16		25.248	273.0	0.442
200	16.77	34.77		25.411	257.6	0.577
250	13.57	34.30		25.755	224.9	0.701
300	11.14	34.11		26.078	194.2	0.810
400	8.45	34.03		26.466	157.4	0.992
500	6.61	34.01		26.714	133.8	1.145
600	5.27	34.09		26.945	111.9	1.275
700	4.74	34.20		27.093	97.9	1.387
800	4.33	34.31		27.225	85.4	1.486
1000	3.81	34.46		27.399	68.9	1.657

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 27141

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	141 00.0W	4/28/72	1135 GMT	4697M	080	25KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	19.83	35.098	5.55	0.08	2.	0.00	0.0	306.2
9	19.84	35.100	5.46	0.07	2.	0.03	0.0	306.3
28	19.85	35.099	5.50	0.08	2.	0.11	0.0	306.6
52	19.89	35.113	5.48	0.09	2.	0.02	0.0	306.6
67	19.90	35.115	5.41	0.09	2.	0.00	0.0	306.7
80	19.55	35.153	5.50	0.05	2.	0.00	0.0	295.2
94	19.42	35.190	5.36	0.06	2.	0.00	0.0	289.3
122	18.87	35.099	5.46	0.09	2.	0.00	0.0	282.5
146	18.86	35.142	5.19	0.12	2.	0.02	0.5	279.2
169	18.59	35.108	5.33	0.09	2.	0.05	0.3	275.1
202	17.40	34.870	5.21	0.17	3.	0.00	1.5	264.6
263	12.99	34.256	4.76	0.69	8.	0.00	8.4	217.0
357	9.32	34.060	4.55	1.35	25.	0.00	20.3	168.2
452	7.58	34.021	3.67	1.95	41.	0.00	28.9	145.8
579	5.45	34.070	1.69	2.81	76.	0.00	40.0	115.4
726	4.59	34.235	0.74	3.20	104.	0.00	45.2	93.7
872	4.08	34.376	0.72	3.23	117.	0.00	45.6	77.9
1077	3.65	34.486	1.26	3.17	123.	0.00	44.4	65.5

Z	T	S	O2	SIGT	DT	DD
0	19.83	35.098	5.55	24.900	306.2	0.000
10	19.84	35.100	5.46	24.899	306.3	0.031
20	19.85	35.099	5.48	24.897	306.5	0.061
30	19.85	35.100	5.50	24.896	306.6	0.092
50	19.89	35.112	5.48	24.896	306.6	0.154
75	19.69	35.136	5.47	24.966	299.9	0.230
100	19.29	35.173	5.38	25.097	287.5	0.304
125	18.87	35.105	5.42	25.153	282.1	0.376
150	18.84	35.142	5.21	25.190	278.6	0.448
200	17.50	34.888	5.22	25.328	265.4	0.587
250	13.98	34.368	4.86	25.721	228.1	0.713
300	11.20	34.123	4.68	26.076	194.4	0.822
400	8.40	34.035	4.23	26.477	156.4	1.005
500	6.69	34.026	2.91	26.716	133.7	1.157
600	5.26	34.093	1.48	26.948	111.7	1.287
700	4.67	34.205	0.82	27.105	96.8	1.398
800	4.30	34.312	0.73	27.230	85.0	1.496
1000	3.77	34.458	0.98	27.400	68.8	1.666

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 27143

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	143 08.5W	4/27/72	2135 GMT	4697M	050	22KT	1	040 5 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	20.51	35.23		24.820	313.8	0.000
10	20.51	35.24		24.828	313.0	0.031
20	20.50	35.24		24.831	312.8	0.063
30	20.50	35.24		24.831	312.8	0.094
50	20.28	35.29		24.927	303.6	0.156
75	19.67	35.28		25.080	289.0	0.231
100	19.07	35.23		25.197	277.9	0.302
125	18.34	35.04		25.237	274.1	0.372
150	17.08	34.83		25.383	260.2	0.440
200	13.97	34.38		25.734	226.9	0.565
250	11.94	34.17		25.976	203.9	0.675
300	10.52	34.11		26.189	183.7	0.775
400	7.92	33.99		26.515	152.8	0.950
500	6.16	34.01		26.773	128.3	1.097
600	5.16	34.12		26.982	108.4	1.222
700	4.58	34.23		27.135	93.9	1.330
800	4.21	34.33		27.254	82.6	1.426
1000	3.71	34.48		27.425	66.5	1.591

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 27145

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
27 00.0N	144 58.0W	4/27/72	0715 GMT	5080M	090	16KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	20.42	35.37		24.951	301.3	0.000
10	20.42	35.38		24.958	300.6	0.030
20	20.41	35.38		24.961	300.4	0.060
30	20.27	35.37		24.991	297.5	0.090
50	20.08	35.36		25.034	293.5	0.150
75	20.04	35.37		25.052	291.7	0.223
100	19.57	35.32		25.137	283.6	0.296
125	19.03	35.26		25.230	274.7	0.367
150	18.04	35.08		25.342	264.1	0.435
200	15.31	34.49		25.530	246.3	0.566
250	13.00	34.28		25.855	215.4	0.684
300	10.95	34.14		26.136	188.8	0.789
400	8.57	34.03		26.448	159.1	0.969
500	6.64	33.99		26.694	135.7	1.124
600	5.21	34.08		26.945	112.0	1.255
700	4.61	34.22		27.124	95.0	1.365
800	4.30	34.33		27.244	83.6	1.462
1000	3.69	34.45		27.403	68.5	1.630

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 24119

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	119 00.0W	5/15/72	2038 GMT	4313M	350	9KT	1	350 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	18.28	33.88		24.367	357.0	0.000
									10	17.90	33.85		24.437	350.3	0.035
									20	17.70	33.85		24.486	345.7	0.070
									30	17.56	33.84		24.512	343.2	0.105
									50	16.99	33.82		24.632	331.7	0.173
									75	15.82	33.67		24.787	317.0	0.254
									100	13.59	33.51		25.142	283.2	0.330
									125	11.61	33.58		25.581	241.5	0.396
									150	11.18	33.98		25.970	204.5	0.453
									200	10.61	34.33		26.344	169.0	0.548
									250	10.25	34.48		26.523	151.9	0.631
									300	9.57	34.52		26.670	138.0	0.706
									400	8.03	34.43		26.843	121.6	0.842
									500	6.95	34.45		27.014	105.4	0.963
									600	6.15	34.45		27.121	95.3	1.072
									700	5.58	34.47		27.208	87.0	1.171
									800	5.05	34.49		27.287	79.5	1.264
									1000	4.19	34.51		27.399	68.9	1.431

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 24119

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	119 00.0W	5/15/72	2146 GMT	4313M	350	9KT	1	350 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	18.39	33.887	5.73	0.23	2.	0.01	0.0	359.1	0	18.39	33.887	5.73	24.345	359.1	0.000
10	17.96	33.883	5.83	0.22	2.	0.00	0.0	349.3	10	17.96	33.883	5.83	24.448	349.3	0.035
29	17.64	33.847	5.77	0.22	2.	0.01	0.0	344.5	20	17.75	33.867	5.81	24.487	345.6	0.070
53	17.35	33.821	5.85	0.22	2.	0.01	0.0	339.8	30	17.63	33.847	5.77	24.500	344.3	0.105
67	16.50	33.767	5.98	0.21	2.	0.00	0.0	324.7	50	17.39	33.826	5.84	24.542	340.4	0.174
82	15.71	33.666	6.03	0.24	2.	0.00	0.1	315.0	75	16.09	33.718	6.01	24.761	319.5	0.257
96	14.64	33.568	5.89	0.31	3.	0.00	0.0	299.9	100	14.26	33.567	5.82	25.047	292.3	0.334
125	12.15	33.565	5.07	0.75	7.	0.03	6.7	252.2	125	12.15	33.565	5.07	25.468	252.2	0.402
148	11.21	33.835	3.87	1.35	16.	0.01	13.9	215.7	150	11.22	33.871	3.71	25.877	213.3	0.461
172	11.31	34.180	2.09	2.06	27.	0.00	24.3	192.0	200	10.73	34.273	1.82	26.278	175.2	0.561
205	10.60	34.274	1.77	2.28	32.	0.00	26.9	173.0	250	10.34	34.459	0.84	26.492	154.9	0.646
266	10.29	34.514	0.52	2.74	41.	0.00	28.0	150.1	300	9.79	34.522	0.47	26.634	141.4	0.723
358	8.75	34.455	0.39	2.94	51.	0.00	34.3	130.2	400	8.04	34.414	0.38	26.828	123.0	0.862
451	7.29	34.379	0.36	3.06	64.	0.00	38.3	115.2	500	6.87	34.403	0.27	26.987	108.0	0.984
575	6.43	34.456	0.15	3.29	78.	0.00	45.2	98.3	600	6.25	34.463	0.16	27.117	95.6	1.094
719	5.46	34.478	0.21	3.34	93.	0.00	45.8	85.0	700	5.58	34.478	0.20	27.214	86.4	1.194
861	4.70	34.495	0.39	3.36	105.	0.00	46.4	75.3	800	5.00	34.489	0.31	27.291	79.1	1.286
1064	4.01	34.524	0.59	3.36	123.	0.00	46.0	66.1	1000	4.18	34.516	0.53	27.405	68.4	1.452

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 24121

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	121 00.0W	5/16/72	0747 GMT	4217M	030	7KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	18.28	33.96		24.428	351.2	0.000
									10	18.24	33.96		24.438	350.3	0.035
									20	18.02	33.94		24.477	346.6	0.070
									30	17.93	33.92		24.483	345.9	0.105
									50	17.25	33.80		24.556	339.1	0.173
									75	15.58	33.60		24.787	317.0	0.256
									100	14.64	33.54		24.946	301.9	0.334
									125	12.70	33.59		25.381	260.5	0.405
									150	10.91	33.73		25.824	218.3	0.466
									200	10.37	34.21		26.292	173.9	0.566
									250	9.70	34.29		26.469	157.1	0.651
									300	9.42	34.43		26.624	142.3	0.728
									400	7.86	34.36		26.813	124.4	0.868
									500	7.15	34.43		26.970	109.5	0.993
									600	6.27	34.43		27.090	98.2	1.105
									700	5.69	34.45		27.179	89.8	1.207
									800	5.07	34.47		27.269	81.2	1.302
									1000	4.14	34.52		27.412	67.7	1.469

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 24123

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	123 00.0W	5/16/72	1824 GMT	3929M	010	1KT	1	010 3 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	18.28	33.90		24.382	355.6	0.000
									10	17.78	33.89		24.497	344.6	0.035
									20	17.73	33.90		24.517	342.8	0.069
									30	17.71	33.91		24.529	341.6	0.104
									50	17.66	33.91		24.541	340.4	0.172
									75	16.85	33.79		24.642	330.8	0.257
									100	15.30	33.62		24.864	309.7	0.337
									125	13.69	33.61		25.199	277.9	0.411
									150	11.93	33.65		25.576	242.0	0.477
									200	10.41	34.03		26.145	187.8	0.587
									250	9.28	34.15		26.429	160.9	0.676
									300	8.76	34.33		26.653	139.7	0.754
									400	7.62	34.35		26.841	121.8	0.891
									500	6.77	34.37		26.976	109.0	1.013
									600	6.01	34.42		27.115	95.8	1.124
									700	5.36	34.45		27.219	85.9	1.223
									800	4.99	34.47		27.278	80.3	1.315
									1000	4.12	34.52		27.414	67.5	1.481

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 24125

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	125 00.0W	5/17/72	0552 GMT	4410M	340	4KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	18.36	34.09		24.507	343.6	0.000
10	17.94	34.08		24.603	334.5	0.034
20	17.87	34.07		24.612	333.6	0.067
30	17.85	34.08		24.625	332.4	0.101
50	17.82	34.07		24.625	332.5	0.168
75	17.63	34.04		24.648	330.3	0.251
100	17.40	33.99		24.665	328.6	0.334
125	17.43	34.09		24.734	322.0	0.416
150	15.03	33.85		25.100	287.2	0.493
200	10.44	33.77		25.938	207.5	0.619
250	9.50	34.05		26.315	171.7	0.716
300	8.45	34.15		26.560	148.5	0.799
400	7.26	34.27		26.829	122.9	0.941
500	6.30	34.30		26.983	108.3	1.063
600	5.69	34.36		27.108	96.5	1.173
700	5.18	34.43		27.225	85.4	1.271
800	4.81	34.46		27.291	79.1	1.362
1000	4.06	34.51		27.413	67.6	1.527

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 24127

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	127 00.0W	5/17/72	1814 GMT	4121M	010	13KT	1	360 3 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	18.34	34.19		24.589	335.9	0.000
10	18.30	34.19		24.598	335.0	0.034
20	18.29	34.19		24.601	334.7	0.067
30	18.29	34.20		24.609	334.0	0.101
50	18.27	34.20		24.613	333.5	0.168
75	18.00	34.13		24.627	332.3	0.251
100	16.40	33.91		24.839	312.1	0.333
125	13.51	33.74		25.336	264.8	0.405
150	12.27	33.84		25.658	234.2	0.469
200	10.13	34.00		26.170	185.5	0.576
250	9.37	34.09		26.367	166.7	0.666
300	8.16	34.13		26.589	145.8	0.747
400	6.84	34.18		26.817	124.1	0.887
500	6.14	34.29		26.996	107.1	1.009
600	5.54	34.36		27.126	94.7	1.117
700	5.15	34.42		27.220	85.8	1.215
800	4.79	34.46		27.293	78.9	1.306
1000	4.12	34.51		27.406	68.2	1.471

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 24129

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	129 00.0W	5/18/72	0606 GMT	4121M	040	16KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	19.35	34.48		24.554	339.1	0.000
10	19.35	34.49		24.562	338.4	0.034
20	19.35	34.50		24.570	337.7	0.068
30	19.18	34.52		24.629	332.1	0.101
50	18.99	34.55		24.700	325.3	0.167
75	18.31	34.50		24.832	312.7	0.248
100	18.35	34.58		24.884	307.8	0.326
125	16.86	34.31		25.038	293.1	0.402
150	15.67	34.25		25.265	271.5	0.474
200	11.14	33.81		25.845	216.4	0.598
250	9.68	34.04		26.277	175.3	0.698
300	8.52	34.07		26.487	155.4	0.783
400	7.18	34.14		26.739	131.5	0.933
500	5.66	34.15		26.946	111.9	1.061
600	5.36	34.32		27.116	95.7	1.171
700	5.03	34.41		27.226	85.3	1.269
800	4.68	34.45		27.298	78.5	1.359
1000	4.03	34.51		27.416	67.3	1.523

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 24129

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	129 00.0W	5/18/72	0714 GMT	4121M	040	16KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
0	19.33	34.468	5.39	0.22	1.	0.00	0.0	339.5
10	19.34	34.468	5.58	0.21	2.	0.00	0.0	339.8
30	19.33	34.475	5.42	0.20	1.	0.00	0.0	339.0
54	18.78	34.485		0.20	1.	0.00	0.0	324.9
69	18.32	34.471	5.53	0.16	2.	0.00	0.0	315.0
84	18.26	34.468	5.55	0.16	1.	0.00	0.0	313.8
98	18.47	34.603	5.50	0.15	2.	0.00	0.0	309.0
128	16.91	34.285	5.45	0.19	2.	0.00	0.0	296.1
152	16.06	34.327	5.09	0.33	3.	0.04	1.3	274.2
176	13.71	34.028	4.99	0.50	5.	0.00	4.1	247.6
211	11.14	33.814	4.59	0.97	12.	0.00	10.8	216.1
275	9.46	34.066	3.57	1.66	26.	0.00	20.6	169.9
372	7.73	34.152	1.88	2.50	50.	0.00	32.5	138.1
469	5.90	34.126	1.29	2.87	74.	0.00	41.0	116.5
600	5.34	34.295	0.62	3.19	88.	0.00	45.0	97.3
750	4.94	34.424	0.49	3.28	100.	0.00	46.2	83.2
897	4.39	34.477	0.64	3.29	111.	0.00	46.2	73.4
1104	3.80	34.517	0.83	3.27	125.	0.00	46.4	64.6

Z	T	S	O2	SIGT	DT	DD
0	19.33	34.468	5.39	24.550	339.5	0.000
10	19.34	34.468	5.58	24.548	339.8	0.034
20	19.34	34.472	5.54	24.552	339.4	0.068
30	19.33	34.475	5.42	24.556	339.0	0.102
50	18.90	34.485	5.48	24.673	327.9	0.169
75	18.30	34.474	5.54	24.816	314.2	0.250
100	18.40	34.589	5.50	24.877	308.4	0.328
125	17.12	34.326	5.46	24.989	297.8	0.405
150	16.15	34.327	5.12	25.214	276.3	0.478
200	11.82	33.849	4.74	25.749	225.5	0.606
250	9.86	34.000	4.00	26.216	181.1	0.710
300	9.03	34.108	3.09	26.435	160.3	0.798
400	7.15	34.142	1.65	26.744	131.0	0.949
500	5.77	34.178	1.10	26.954	111.1	1.077
600	5.34	34.295	0.62	27.099	97.3	1.188
700	5.07	34.390	0.53	27.206	87.2	1.288
800	4.76	34.448	0.53	27.287	79.5	1.379
1000	4.07	34.503	0.74	27.406	68.3	1.545

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 24131

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	131 00.0W	5/18/72	1739 GMT	4889M	030	16KT	2	020 4 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.22	34.78		24.816	314.2	0.000
									10	19.22	34.79		24.824	313.5	0.031
									20	19.22	34.80		24.831	312.7	0.063
									30	19.22	34.80		24.831	312.7	0.094
									50	19.21	34.80		24.834	312.5	0.157
									75	19.03	34.81		24.888	307.4	0.235
									100	18.76	34.88		25.009	295.8	0.311
									125	18.43	34.84		25.062	290.8	0.385
									150	18.14	34.87		25.157	281.8	0.458
									200	14.25	34.05		25.421	256.7	0.595
									250	10.66	33.94		26.032	198.6	0.712
									300	9.18	34.01		26.336	169.8	0.807
									400	6.94	34.02		26.677	137.3	0.966
									500	5.52	34.12		26.939	112.5	1.097
									600	5.24	34.29		27.107	96.6	1.208
									700	5.02	34.40		27.220	85.9	1.307
									800	4.63	34.46		27.311	77.2	1.397
									1000	4.03	34.51		27.416	67.3	1.559

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 24133

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	133 00.0W	5/19/72	0423 GMT	4507M	030	18KT		030 8 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.58	34.79		24.731	322.3	0.000
									10	19.58	34.80		24.739	321.6	0.032
									20	19.59	34.81		24.744	321.1	0.064
									30	19.59	34.81		24.744	321.1	0.097
									50	19.57	34.81		24.749	320.6	0.161
									75	18.99	34.71		24.822	313.7	0.241
									100	18.98	34.76		24.862	309.8	0.320
									125	18.54	34.83		25.027	294.1	0.396
									150	17.99	34.74		25.095	287.7	0.470
									200	14.81	34.31		25.501	249.0	0.607
									250	11.50	34.02		25.942	207.1	0.724
									300	9.58	34.05		26.302	173.0	0.822
									400	7.25	34.03		26.642	140.7	0.985
									500	6.06	34.14		26.888	117.3	1.120
									600	5.49	34.28		27.069	100.2	1.236
									700	5.03	34.36		27.187	89.0	1.338
									800	4.60	34.43		27.291	79.1	1.430
									1000	3.92	34.52		27.435	65.5	1.592

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 24135

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	135 00.0W	5/19/72	1642 GMT	4889M	030	13KT	2	030 7 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.32	34.64		24.684	326.8	0.000
									10	19.33	34.65		24.689	326.3	0.033
									20	19.33	34.65		24.689	326.3	0.065
									30	19.33	34.66		24.697	325.6	0.098
									50	19.34	34.66		24.694	325.8	0.163
									75	19.31	34.87		24.862	309.9	0.243
									100	18.80	34.83		24.961	300.4	0.320
									125	18.21	34.81		25.094	287.8	0.395
									150	18.46	35.00		25.176	279.9	0.467
									200	14.66	34.21		25.457	253.3	0.603
									250	11.67	33.99		25.888	212.3	0.722
									300	9.32	33.99		26.298	173.4	0.822
									400	7.20	34.01		26.634	141.5	0.985
									500	5.76	34.08		26.878	118.3	1.121
									600	4.95	34.19		27.062	100.9	1.237
									700	4.48	34.32		27.217	86.2	1.338
									800	4.27	34.42		27.319	76.5	1.426
									1000	3.83	34.52		27.444	64.6	1.584

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 24137

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	137 00.0W	5/20/72	0330 GMT	4507M	050	10KT	1	050 7 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	20.64	34.73		24.406	353.3	0.000
									10	20.55	34.75		24.445	349.5	0.035
									20	20.35	34.79		24.529	341.6	0.070
									30	20.24	34.79		24.558	338.8	0.104
									50	20.18	34.82		24.597	335.1	0.172
									75	19.70	34.93		24.806	315.1	0.253
									100	19.37	34.92		24.884	307.7	0.332
									125	19.16	35.03		25.022	294.6	0.408
									150	18.92	35.09		25.129	284.4	0.482
									200	17.30	34.74		25.262	271.7	0.624
									250	12.98	34.17		25.774	223.1	0.751
									300	10.50	34.08		26.169	185.6	0.856
									400	8.01	34.06		26.556	148.8	1.030
									500	6.01	34.03		26.808	125.0	1.174
									600	5.09	34.20		27.053	101.7	1.294
									700	4.81	34.36		27.212	86.6	1.395
									800	4.56	34.45		27.311	77.2	1.485
									1000	3.93	34.53		27.442	64.8	1.644

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 24137

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	137 00.0W	5/20/72	0448 GMT	4507M	050	10KT	1	050 7 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	20.61	34.703	5.29	0.21	1.	0.03	0.0	354.5	0	20.61	34.703	5.29	24.393	354.5	0.000
10	20.59	34.707	5.40	0.19	1.	0.01	0.0	353.7	10	20.59	34.707	5.40	24.402	353.7	0.035
30	20.44	34.733	5.34	0.16	1.	0.01	0.0	348.0	20	20.53	34.717	5.37	24.425	351.4	0.071
55	20.18	34.815	5.33	0.18	1.	0.00	0.0	335.5	30	20.44	34.733	5.34	24.461	348.0	0.106
70	19.73	34.864	5.37	0.13	1.	0.00	0.0	320.6	50	20.26	34.796	5.33	24.558	338.8	0.175
84	19.49	34.864	5.46	0.13	1.	0.00	0.0	314.7	75	19.62	34.866	5.41	24.778	317.8	0.257
99	19.46	34.868	5.42	0.13	1.	0.00	0.0	313.7	100	19.45	34.872	5.41	24.827	313.1	0.337
130	19.10	35.018	5.15	0.12	2.	0.07	0.0	294.0	125	19.17	34.992	5.20	24.991	297.5	0.414
154	18.92	35.037	5.06	0.15	2.	0.17	0.0	288.2	150	18.97	35.042	5.07	25.080	289.0	0.489
179	18.14	34.901	4.96	0.20	2.	0.02	0.9	279.5	200	17.10	34.700	4.93	25.279	270.1	0.631
213	15.01	34.377	4.90	0.40	4.	0.02	3.3	248.3	250	12.76	34.174	4.68	25.821	218.7	0.757
276	11.62	34.137	4.46	0.94	12.	0.01	11.6	200.6	300	10.77	34.123	4.19	26.153	187.1	0.862
373	8.73	34.102	3.28	1.83	33.	0.00	26.3	156.2	400	8.03	34.083	2.99	26.569	147.6	1.036
470	6.52	34.054	2.26	2.47	58.	0.00	39.9	129.4	500	6.05	34.076	1.86	26.838	122.0	1.177
600	5.02	34.193	0.73	3.11	90.	0.00	44.7	101.4	600	5.02	34.193	0.73	27.056	101.4	1.296
749	4.73	34.388	0.58	3.23	102.	0.00	45.9	83.7	700	4.83	34.341	0.63	27.195	88.3	1.397
895	4.28	34.465	0.79	3.20	113.	0.00	45.9	73.2	800	4.58	34.424	0.64	27.288	79.4	1.489
1101	3.73	34.518	1.01	3.20	127.	0.00	45.9	63.8	1000	3.99	34.501	0.91	27.412	67.6	1.654

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 24139

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	139 00.0W	5/20/72	1734 GMT	5080M	050	10KT	1	030 6 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	21.48	34.88		24.291	364.2	0.000
									10	21.48	34.88		24.291	364.2	0.036
									20	20.98	34.97		24.496	344.7	0.072
									30	20.43	35.05		24.705	324.8	0.105
									50	19.81	35.04		24.861	309.9	0.169
									75	19.27	35.11		25.055	291.5	0.245
									100	18.77	35.08		25.159	281.5	0.317
									125	18.54	35.08		25.217	276.0	0.388
									150	17.97	34.98		25.283	269.8	0.457
									200	14.43	34.33		25.598	239.8	0.587
									250	11.77	34.06		25.923	209.0	0.702
									300	10.25	34.08		26.212	181.5	0.803
									400	7.95	34.02		26.534	151.0	0.976
									500	5.94	34.05		26.832	122.6	1.119
									600	5.06	34.16		27.025	104.3	1.239
									700	4.62	34.29		27.178	89.9	1.343
									800	4.38	34.38		27.275	80.6	1.436
									1000	3.89	34.50		27.422	66.7	1.600

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 24141

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	141 00.0W	5/21/72	0533 GMT	4507M	040	18KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	22.28	34.79		24.000	391.9	0.000
									10	22.28	34.80		24.008	391.2	0.039
									20	22.29	34.81		24.013	390.8	0.078
									30	22.29	34.81		24.013	390.8	0.118
									50	21.28	34.82		24.301	363.3	0.193
									75	20.23	35.07		24.773	318.2	0.279
									100	20.26	35.27		24.917	304.5	0.358
									125	19.80	35.29		25.054	291.5	0.433
									150	19.02	35.19		25.180	279.6	0.506
									200	16.10	34.52		25.375	261.0	0.644
									250	12.20	34.11		25.880	213.0	0.765
									300	10.42	34.08		26.183	184.3	0.868
									400	8.01	34.09		26.580	146.6	1.040
									500	6.03	34.08		26.845	121.5	1.181
									600	5.25	34.22		27.051	101.9	1.299
									700	4.82	34.34		27.195	88.2	1.401
									800	4.62	34.45		27.305	77.8	1.492
									1000	3.95	34.52		27.432	65.8	1.653

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 24143

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	143 00.0W	5/21/72	1738 GMT	5080M	080	14KT	1	060 6 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	21.70	35.03		24.344	359.1	0.000
									10	21.70	35.04		24.352	358.4	0.036
									20	21.70	35.05		24.359	357.7	0.072
									30	21.70	35.05		24.359	357.7	0.108
									50	21.34	35.05		24.459	348.2	0.179
									75	20.88	35.31		24.781	317.5	0.262
									100	20.33	35.27		24.899	306.3	0.341
									125	19.75	35.22		25.014	295.3	0.417
									150	19.13	35.18		25.144	283.0	0.491
									200	17.42	34.87		25.333	265.0	0.631
									250	13.14	34.26		25.812	219.5	0.755
									300	11.09	34.11		26.087	193.4	0.862
									400	8.25	34.04		26.504	153.7	1.042
									500	6.01	34.03		26.808	125.0	1.188
									600	4.96	34.14		27.021	104.7	1.310
									700	4.53	34.29		27.188	88.9	1.413
									800	4.29	34.40		27.301	78.2	1.504
									1000	3.87	34.52		27.440	65.0	1.664

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 24145

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	145 00.0W	5/22/72	0508 GMT	5467M	090	17KT	6	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	21.78	34.85		24.185	374.3	0.000
									10	21.78	34.86		24.193	373.6	0.037
									20	21.79	34.86		24.190	373.8	0.075
									30	21.24	35.10		24.524	342.0	0.111
									50	20.85	35.15		24.668	328.3	0.178
									75	20.41	35.26		24.870	309.1	0.258
									100	19.90	35.26		25.005	296.2	0.335
									125	19.37	35.21		25.105	286.7	0.409
									150	19.07	35.21		25.182	279.3	0.481
									200	17.32	34.87		25.357	262.7	0.619
									250	14.13	34.39		25.708	229.4	0.745
									300	11.75	34.17		26.012	200.5	0.856
									400	8.79	34.06		26.437	160.2	1.044
									500	6.44	34.01		26.737	131.7	1.197
									600	5.25	34.08		26.940	112.4	1.326
									700	4.97	34.30		27.146	92.9	1.436
									800	4.49	34.39		27.271	81.0	1.531
									1000	3.87	34.49		27.416	67.3	1.696

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 24145

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 00.0N	145 00.0W	5/22/72	0622 GMT	5467M	090	17KT	6	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	21.77	34.813	5.19	0.15	1.	0.01	0.0	376.7	0	21.77	34.813	5.19	24.160	376.7	0.000
10	21.76	34.813	5.32	0.15	1.	0.00	0.0	376.4	10	21.76	34.813	5.32	24.163	376.4	0.038
30	21.78	34.813	5.25	0.15	1.	0.00	0.0	377.0	20	21.77	34.813	5.29	24.160	376.7	0.075
55	20.91	35.079	5.36	0.09	1.	0.00	0.0	335.0	30	21.78	34.813	5.25	24.157	377.0	0.113
70	20.59	35.118	5.33	0.10	1.	0.00	0.0	323.9	50	21.11	35.023	5.34	24.502	344.1	0.186
85	20.37	35.206	5.36	0.07	1.	0.01	0.0	311.9	75	20.51	35.148	5.34	24.759	319.6	0.269
100	20.19	35.221	5.30	0.09	1.	0.01	0.0	306.3	100	20.19	35.221	5.30	24.899	306.3	0.348
130	19.39	35.161	5.28	0.08	1.	0.00	0.0	290.7	125	19.53	35.174	5.28	25.036	293.3	0.424
154	18.97	35.122	5.21	0.09	1.	0.07	0.0	283.3	150	19.04	35.130	5.22	25.130	284.3	0.497
179	18.46	35.014	5.13	0.12	2.	0.07	0.1	278.9	200	17.40	34.829	4.99	25.308	267.4	0.638
214	16.52	34.694	4.89	0.27	4.	0.01	2.4	257.6	250	14.14	34.399	4.86	25.713	228.9	0.766
277	12.46	34.243	4.83	0.67	8.	0.00	8.3	208.0	300	11.60	34.183	4.76	26.049	197.0	0.876
376	9.64	34.088	4.30	1.34	25.	0.00	19.7	171.1	400	8.96	34.060	4.08	26.409	162.8	1.063
473	7.12	34.015	3.24	2.06	47.	0.00	30.3	140.0	500	6.58	34.014	2.82	26.721	133.2	1.218
603	5.20	34.087	1.34	2.85	82.	0.00	41.3	111.4	600	5.22	34.084	1.38	26.946	111.9	1.348
753	4.66	34.341	0.63	3.19	106.	0.00	46.5	86.5	700	4.98	34.290	0.73	27.137	93.7	1.458
899	4.14	34.438	0.92	3.16	112.	0.00	45.8	73.8	800	4.45	34.379	0.68	27.266	81.5	1.553
1105	3.71	34.517	1.13	3.14	123.	0.00	45.5	63.7	1000	3.88	34.486	1.05	27.412	67.7	1.719

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20119

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	119 00.0W	5/30/72	1842 GMT	4313M	340	10KT	1	330 3 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0A	21.36	34.49		24.028	389.3	0.000
									10	21.25	34.50		24.066	385.7	0.039
									20	21.23	34.51		24.079	384.4	0.077
									30	21.22	34.51		24.082	384.2	0.116
									50	21.14	34.51		24.104	382.1	0.193
									75	18.66	34.11		24.448	349.3	0.285
									100	16.86	34.02		24.816	314.3	0.368
									125	13.24	33.85		25.475	251.5	0.440
									150	12.03	34.01		25.835	217.3	0.499
									200	10.99	34.41		26.338	169.5	0.598
									250	10.74	34.61		26.538	150.5	0.681
									300	10.03	34.61		26.662	138.7	0.756
									400	8.60	34.54		26.842	121.7	0.893

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20119

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	119 00.0W	5/30/72	1910 GMT	4313M	340	10KT	1	330 3 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	21.38	34.48		24.015	390.5	0.000
									10	21.25	34.48		24.051	387.1	0.039
									20	21.24	34.49		24.061	386.1	0.078
									30	21.23	34.49		24.064	385.9	0.116
									50	21.15	34.47		24.071	385.2	0.194
									75	18.77	34.07		24.390	354.9	0.287
									100	17.12	33.95		24.701	325.2	0.372
									125	13.99	33.85		25.322	266.1	0.447
									150	12.06	34.00		25.822	218.6	0.509
									200	11.01	34.43		26.350	168.4	0.607
									250	10.62	34.61		26.560	148.5	0.689
									300	9.93	34.59		26.664	138.6	0.764
									400	8.59	34.53		26.836	122.3	0.901
									500	7.56	34.52		26.983	108.3	1.025
									600	6.65	34.50		27.094	97.8	1.136
									700	5.91	34.51		27.199	87.9	1.238
									800	5.34	34.51		27.269	81.2	1.333
									1000	4.42	34.54		27.398	69.0	1.503

A) A CALIBRATION CAST FOR THE BENTHOS DEPTH RECORDER.

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20119

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	119 00.0W	5/30/72	2017 GMT	4313M	340	10KT	1	330 3 7

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	21.45	34.471	5.21	0.22	2.	0.00	0.0	393.0	0	21.45	34.471	5.21	23.989	393.0	0.000
10	21.24	34.464	5.36	0.21	1.	0.00	0.0	388.0	10	21.24	34.464	5.36	24.042	388.0	0.039
29	21.22	34.463	5.24	0.21	2.	0.00	0.0	387.6	20	21.23	34.464	5.32	24.044	387.8	0.078
54	21.17	34.458	5.21	0.22	2.	0.00	0.0	386.6	30	21.22	34.463	5.24	24.047	387.5	0.117
68	19.35	34.229	5.53	0.21	2.	0.00	0.0	357.4	50	21.18	34.459	5.21	24.054	386.8	0.194
83	18.61	34.144	5.55	0.26	2.	0.01	0.0	345.6	75	18.95	34.187	5.54	24.433	350.7	0.287
97	17.60	33.994	5.54	0.25	2.	0.00	0.0	332.9	100	17.24	33.967	5.46	24.683	326.9	0.373
126	14.10	33.858	4.40	0.76	7.	0.01	5.6	267.7	125	14.22	33.859	4.45	25.278	270.3	0.448
151	12.37	33.945	3.37	1.29	14.	0.00	13.8	228.3	150	12.42	33.940	3.41	25.706	229.6	0.511
175	11.49	34.152	2.16	1.87	24.	0.00	21.6	197.2	200	11.07	34.354	1.38	26.280	175.0	0.615
209	10.99	34.415	1.18	2.41	32.	0.00	26.0	169.1	250	10.75	34.580	0.53	26.513	152.9	0.699
273	10.44	34.578	0.34	2.70	38.	0.00	26.3	147.8	300	10.12	34.700	0.30	26.717	133.5	0.774
371	9.16	34.552	0.18	2.91	49.	0.00	29.6	129.3	400	8.75	34.525	0.19	26.806	125.1	0.910
468	7.86	34.499	0.20	3.10	59.	0.00	35.3	114.1	500	7.54	34.496	0.20	26.967	109.9	1.036
600	6.71	34.499	0.18	3.24	74.	0.00	39.7	98.6	600	6.71	34.499	0.18	27.085	98.6	1.149
752	5.66	34.501	0.20	3.37	88.	0.00	43.2	85.6	700	5.99	34.501	0.19	27.181	89.6	1.252
898	4.87	34.509	0.31	3.37	101.	0.00	45.0	76.1	800	5.38	34.503	0.23	27.259	82.2	1.348
1105	4.10	34.557	0.51	3.40	117.	0.00	45.8	66.0	1000	4.44	34.522	0.40	27.381	70.6	1.520

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20121

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	121 00.0W	5/30/72	0544 GMT	4313M	030	12KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	21.11	34.45		24.066	385.7	0.000
									10	21.11	34.46		24.074	384.9	0.039
									20	21.07	34.45		24.077	384.6	0.077
									30	20.93	34.47		24.130	379.6	0.115
									50	20.49	34.41		24.203	372.6	0.191
									75	19.06	34.20		24.415	352.4	0.282
									100	17.52	34.03		24.667	328.5	0.368
									125	13.86	33.83		25.333	265.1	0.443
									150	12.45	34.01		25.755	224.9	0.505
									200	10.97	34.32		26.272	175.8	0.607
									250	9.93	34.42		26.531	151.2	0.691
									300	9.59	34.54		26.682	136.9	0.766
									400	8.19	34.50		26.874	118.7	0.901
									500	7.18	34.49		27.013	105.4	1.021
									600	6.32	34.50		27.138	93.6	1.128
									700	5.75	34.52		27.227	85.2	1.227
									800	5.23	34.52		27.290	79.2	1.318
									1000	4.31	34.54		27.410	67.9	1.485

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20123

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	123 00.0W	5/29/72	1538 GMT	4313M	050	8KT	1	010 4 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	22.00	34.35		23.745	416.3	0.000
									10	21.98	34.36		23.759	415.0	0.042
									20	21.99	34.37		23.763	414.6	0.083
									30	21.99	34.37		23.763	414.6	0.125
									50	21.73	34.37		23.836	407.7	0.207
									75	21.00	34.39		24.051	387.2	0.307
									100	19.15	34.23		24.415	352.4	0.400
									125	17.29	34.09		24.768	318.8	0.485
									150	13.97	33.95		25.403	258.4	0.558
									200	12.14	34.57		26.248	178.1	0.670
									250	11.50	34.68		26.454	158.5	0.757
									300	10.67	34.62		26.559	148.6	0.837
									400	8.69	34.49		26.789	126.8	0.981
									500	7.52	34.49		26.965	110.0	1.108
									600	6.76	34.50		27.079	99.2	1.221
									700	6.06	34.50		27.172	90.4	1.325
									800	5.41	34.51		27.260	82.0	1.421
									1000	4.45	34.53		27.387	70.1	1.593

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20125

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
19 55.0N	124 59.0W	5/29/72	0402 GMT	4025M	030	10KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	20.82	34.45		24.145	378.2	0.000
									10	20.82	34.46		24.152	377.5	0.038
									20	20.82	34.47		24.160	376.7	0.076
									30	20.82	34.48		24.168	376.0	0.113
									50	19.88	34.42		24.371	356.6	0.187
									75	18.99	34.37		24.563	338.4	0.274
									100	17.95	34.25		24.730	322.4	0.358
									125	16.59	34.13		24.963	300.2	0.436
									150	13.69	33.95		25.461	252.9	0.506
									200	10.51	33.99		26.097	192.4	0.620
									250	9.59	34.28		26.479	156.1	0.709
									300	8.93	34.34		26.634	141.5	0.786
									400	7.54	34.38		26.876	118.5	0.923
									500	6.82	34.43		27.016	105.2	1.042
									600	6.11	34.48		27.150	92.5	1.148
									700	5.44	34.49		27.241	83.9	1.245
									800	4.94	34.51		27.316	76.8	1.334
									1000	4.21	34.54		27.421	66.9	1.496

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20125

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
19 55.0N	124 59.0W	5/29/72	0510 GMT	4025M	030	10KT	2	

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	20.93	34.438	5.30	0.20	1.	0.01	0.1	381.9	0	20.93	34.438	5.30	24.106	381.9	0.000
10	20.80	34.437	5.42	0.22	1.	0.01	0.1	378.6	10	20.80	34.437	5.42	24.140	378.6	0.038
30	20.82	34.445	5.29	0.21	1.	0.01	0.1	378.5	20	20.81	34.442	5.37	24.141	378.6	0.076
55	19.50	34.387	5.47	0.18	1.	0.00	0.0	349.6	30	20.82	34.445	5.29	24.141	378.5	0.114
70	19.08	34.347	5.52	0.18	2.	0.00	0.1	342.2	50	19.79	34.401	5.42	24.380	355.8	0.188
85	18.45	34.295	5.54	0.19	1.	0.01	0.0	330.9	75	18.88	34.332	5.53	24.562	338.4	0.275
100	17.92	34.222	5.51	0.19	2.	0.00	0.0	323.7	100	17.92	34.222	5.51	24.716	323.7	0.358
130	15.75	34.048	5.04	0.37	4.	0.04	1.6	287.9	125	16.20	34.078	5.14	25.012	295.6	0.437
154	13.19	33.928	4.53	0.75	8.	0.02	5.8	244.9	150	13.61	33.942	4.62	25.470	252.0	0.506
179	11.50	33.936	3.90	1.22	15.	0.01	12.4	213.3	200	10.64	34.050	3.13	26.119	190.3	0.619
213	10.27	34.129	2.65	1.93	28.	0.00	21.0	178.2	250	9.48	34.248	1.83	26.472	156.8	0.708
278	9.07	34.294	1.45	2.45	41.	0.03	26.6	147.0	300	8.73	34.318	1.23	26.648	140.1	0.785
374	7.79	34.352	0.78	2.89	58.	0.01	35.5	124.0	400	7.56	34.368	0.62	26.862	119.8	0.921
470	7.07	34.403	0.30	3.07	67.	0.00	28.0U	110.5	500	6.86	34.417	0.28	27.000	106.7	1.041
601	6.17	34.453	0.22	3.21	79.	0.01	38.2	95.3	600	6.18	34.453	0.22	27.119	95.4	1.150
749	5.16	34.478	0.29	3.31	93.	0.00	44.4	81.6	700	5.47	34.471	0.25	27.222	85.7	1.249
894	4.57	34.517	0.46	3.32	107.	0.00		72.3	800	4.92	34.493	0.35	27.304	77.9	1.340
1098	3.89	34.540	0.66	3.33	120.	0.00		63.7	1000	4.19	34.534	0.57	27.417	67.2	1.504

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20127

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
19 55.0N	127 01.0W	5/28/72	1625 GMT	5080M	030	6KT	2	020 5 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	22.87	34.61		23.696	420.9	0.000
									10	22.87	34.63		23.711	419.5	0.042
									20	22.87	34.64		23.719	418.8	0.084
									30	22.87	34.64		23.719	418.8	0.126
									50	21.20	34.51		24.087	383.7	0.207
									75	19.50	34.39		24.447	349.3	0.299
									100	18.49	34.32		24.650	330.0	0.384
									125	16.74	34.24		25.012	295.5	0.463
									150	14.49	33.95		25.293	268.8	0.535
									200	11.16	34.05		26.028	199.0	0.654
									250	9.44	34.20		26.442	159.7	0.746
									300	8.31	34.27		26.675	137.5	0.823
									400	7.58	34.40		26.886	117.6	0.957
									500	6.60	34.41		27.030	103.9	1.074
									600	5.96	34.47		27.161	91.5	1.180
									700	5.46	34.49		27.239	84.1	1.276
									800	5.02	34.51		27.307	77.6	1.366
									1000	4.22	34.53		27.412	67.7	1.530

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20129

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	129 00.0W	5/28/72	0043 GMT	1861M	040	13KT	1	050 3 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	20.82	34.51		24.190	373.8	0.000
									10	20.79	34.51		24.198	373.1	0.037
									20	20.70	34.52		24.230	370.0	0.075
									30	20.67	34.53		24.246	368.5	0.112
									50	20.65	34.53		24.251	368.0	0.186
									75	19.54	34.47		24.498	344.5	0.275
									100	18.71	34.42		24.671	328.0	0.360
									125	17.98	34.32		24.776	318.0	0.442
									150	16.79	34.27		25.024	294.5	0.519
									200	12.06	33.96		25.791	221.5	0.651
									250	10.36	34.10		26.209	181.8	0.754
									300	9.66	34.36		26.530	151.3	0.840
									400	8.70	34.49		26.787	126.9	0.986
									500	7.52	34.48		26.957	110.8	1.113
									600	6.60	34.48		27.085	98.6	1.226
									700	5.80	34.49		27.197	88.1	1.329
									800	5.20	34.50		27.278	80.4	1.422
									1000	4.27	34.54		27.414	67.5	1.589

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20131

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	131 00.0W	5/27/72	1245 GMT	4697M	060	14KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	20.64	34.60		24.307	362.7	0.000
									10	20.64	34.61		24.315	362.0	0.036
									20	20.63	34.62		24.325	361.0	0.072
									30	20.55	34.63		24.354	358.2	0.109
									50	20.13	34.64		24.473	346.9	0.179
									75	19.29	34.65		24.699	325.3	0.264
									100	18.80	34.68		24.847	311.3	0.344
									125	18.41	34.78		25.021	294.7	0.421
									150	17.73	34.69		25.120	285.3	0.495
									200	12.58	34.01		25.730	227.3	0.625
									250	10.26	34.03		26.171	185.4	0.731
									300	8.80	34.18		26.529	151.4	0.818
									400	7.47	34.32		26.839	122.0	0.961
									500	6.63	34.42		27.034	103.5	1.080
									600	6.01	34.47		27.155	92.1	1.186
									700	5.29	34.48		27.251	82.9	1.282
									800	4.84	34.51		27.327	75.7	1.370
									1000	4.11	34.55		27.439	65.1	1.529

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 20133

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	133 00.0W	5/26/72	2339 GMT	5080M	050	14KT	2	050 5 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	21.41	34.53		24.045	387.7	0.000
10	21.41	34.54		24.053	387.0	0.039
20	21.36	34.54		24.066	385.7	0.077
30	21.28	34.55		24.096	382.8	0.116
50	20.79	34.57		24.244	368.7	0.191
75	19.89	34.70		24.582	336.5	0.280
100	17.89	34.42		24.875	308.6	0.361
125	16.61	34.41		25.173	280.3	0.436
150	14.34	34.21		25.525	246.8	0.503
200	10.71	34.14		26.178	184.7	0.613
250	9.30	34.15		26.426	161.2	0.702
300	8.97	34.33		26.619	142.8	0.780
400	8.00	34.46		26.871	119.0	0.918
500	6.89	34.45		27.022	104.6	1.037
600	6.20	34.47		27.130	94.4	1.144
700	5.52	34.48		27.223	85.5	1.243
800	4.94	34.49		27.300	78.3	1.334
1000	4.15	34.52		27.411	67.8	1.498

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 20133

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	133 00.0W	5/27/72	0054 GMT	5080M	050	14KT	2	050 5 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT
1	21.41	34.525	5.22	0.22	1.	0.00	0.0	388.0
11	21.40	34.521	5.28	0.20	1.	0.00	0.0	388.1
30	21.29	34.514	5.24	0.19	1.	0.00	0.0	385.7
54	20.31	34.527	5.29	0.20	1.	0.00	0.0	359.6
68	19.98	34.683	5.37	0.20	1.	0.00	0.0	340.0
83	18.76	34.501	5.04	0.28	1.	0.05	0.1	323.3
97	18.01	34.417	4.59	0.47	3.	0.11	1.9	311.6
124	15.90	34.313	4.30	0.51	5.	0.01	4.6	271.8
148	13.98	34.151	3.85	0.92	8.	0.01	8.4	243.9
173	12.09	34.022	4.05	1.04	12.	0.00	10.0	217.5
206	10.66	34.149	2.98	1.70	23.	0.00	17.4	183.2
266	9.16	34.239	2.20	2.14	35.	0.00	21.7	152.5
360	7.95	34.345	0.70	2.78	53.	0.00		126.8
453	7.36	34.435	0.33	2.97	62.	0.00		111.9
578	6.30	34.454	0.29	3.11	74.	0.00		96.8
723	5.44	34.471	0.37	3.22	89.	0.00		85.3
864	4.60	34.484	0.61	3.22	104.	0.00		75.1
1065	4.00	34.529	0.73	3.30	116.	0.00		65.6

Z	T	S	O2	SIGT	DT	DD
0	21.41	34.525	5.22	24.041	388.0	0.000
10	21.40	34.522	5.28	24.041	388.1	0.039
20	21.35	34.518	5.27	24.053	386.9	0.078
30	21.29	34.514	5.24	24.066	385.7	0.116
50	20.49	34.513	5.28	24.281	365.2	0.192
75	19.44	34.614	5.25	24.633	331.7	0.279
100	17.80	34.406	4.54	24.886	307.6	0.360
125	15.82	34.307	4.28	25.275	270.5	0.433
150	13.81	34.137	3.87	25.578	241.7	0.498
200	10.86	34.117	3.21	26.133	188.9	0.608
250	9.46	34.227	2.34	26.458	158.1	0.697
300	8.61	34.282	1.61	26.639	141.0	0.775
400	7.67	34.390	0.46	26.864	119.6	0.911
500	6.96	34.449	0.31	27.011	105.7	1.031
600	6.16	34.458	0.29	27.126	94.8	1.139
700	5.56	34.470	0.35	27.210	86.9	1.239
800	4.96	34.478	0.50	27.287	79.5	1.331
1000	4.12	34.513	0.69	27.408	68.0	1.496

RV DAVID STARR JORDAN — CALCOFI CRUISE 7205 — 20135

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	135 00.0W	5/26/72	0922 GMT	4793M	050	14KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT

Z	T	S	O2	SIGT	DT	DD
0	21.53	34.63		24.088	383.6	0.000
10	21.54	34.64		24.093	383.1	0.038
20	21.54	34.65		24.100	382.4	0.077
30	21.54	34.65		24.100	382.4	0.115
50	20.81	34.65		24.299	363.4	0.190
75	19.80	34.79		24.674	327.8	0.277
100	18.79	34.66		24.834	312.5	0.358
125	18.14	34.71		25.035	293.4	0.434
150	17.07	34.61		25.218	276.0	0.507
200	13.28	34.17		25.714	228.8	0.635
250	10.26	34.12		26.242	178.7	0.740
300	8.49	34.06		26.484	155.7	0.826
400	7.23	34.25		26.818	124.0	0.972
500	6.89	34.44		27.014	105.3	1.094
600	6.20	34.47		27.130	94.4	1.201
700	5.50	34.48		27.226	85.3	1.300
800	4.91	34.49		27.304	77.9	1.390
1000	4.17	34.53		27.417	67.2	1.554

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20137

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	136 59.0W	5/25/72	2150 GMT	5467M	050	17KT	1	040 4 5

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	22.29	34.58		23.838	407.4	0.000
									10	22.26	34.58		23.847	406.6	0.041
									20	22.19	34.60		23.882	403.3	0.081
									30	22.16	34.60		23.890	402.5	0.122
									50	20.90	34.67		24.290	364.3	0.199
									75	20.38	34.79		24.521	342.3	0.288
									100	19.61	34.76		24.700	325.2	0.372
									125	19.02	34.78		24.867	309.3	0.452
									150	18.40	34.81		25.046	292.3	0.528
									200	13.83	34.19		25.617	238.1	0.664
									250	10.71	34.20		26.225	180.3	0.771
									300	8.70	34.07		26.459	158.1	0.858
									400	7.27	34.22		26.789	126.8	1.007
									500	6.24	34.32		27.007	106.1	1.130
									600	5.88	34.44		27.147	92.7	1.237
									700	5.33	34.47		27.238	84.1	1.333
									800	4.82	34.50		27.322	76.2	1.422
									1000	4.01	34.53		27.434	65.6	1.582

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20139

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
19 56.0N	138 59.0W	5/25/72	0755 GMT	5080M	070	20KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	22.94	34.52		23.608	429.3	0.000
									10	22.94	34.53		23.616	428.6	0.043
									20	22.94	34.54		23.623	427.9	0.086
									30	22.94	34.54		23.623	427.9	0.129
									50	22.95	34.56		23.636	426.7	0.214
									75	22.20	34.62		23.894	402.1	0.319
									100	20.60	34.81		24.477	346.5	0.413
									125	19.79	34.95		24.798	315.9	0.497
									150	18.81	35.00		25.088	288.3	0.574
									200	13.25	34.28		25.805	220.2	0.703
									250	11.33	34.41		26.276	175.4	0.805
									300	9.79	34.43		26.563	148.2	0.889
									400	8.11	34.45		26.847	121.3	1.030
									500	6.84	34.41		26.998	106.9	1.152
									600	6.13	34.47		27.139	93.5	1.260
									700	5.63	34.49		27.218	86.1	1.358
									800	5.10	34.50		27.289	79.3	1.450
									1000	4.24	34.54		27.417	67.2	1.615

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20141

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
19 59.0N	141 01.0W	5/24/72	1913 GMT	5467M	050	17KT	1	070 5 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	21.59	34.76		24.170	375.8	0.000
									10	21.59	34.76		24.170	375.8	0.038
									20	21.57	34.76		24.175	375.2	0.075
									30	21.56	34.77		24.186	374.2	0.113
									50	20.96	34.76		24.342	359.3	0.186
									75	20.65	35.03		24.631	331.8	0.273
									100	19.69	35.11		24.946	301.8	0.353
									125	18.90	35.02		25.081	289.0	0.428
									150	17.73	34.81		25.212	276.5	0.500
									200	13.28	34.16		25.706	229.5	0.629
									250	10.79	34.12		26.149	187.5	0.736
									300	9.39	34.21		26.458	158.2	0.825
									400	7.95	34.34		26.784	127.2	0.975
									500	7.24	34.46		26.981	108.5	1.100
									600	6.34	34.47		27.112	96.1	1.210
									700	5.66	34.48		27.206	87.2	1.311
									800	5.15	34.50		27.284	79.8	1.403
									1000	4.23	34.52		27.403	68.6	1.571

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20141

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
19 59.0N	141 01.0W	5/24/72	2025 2050 GMT	5467M	050	17KT	1	070 5 4

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	21.64	34.694	5.20	0.16	2.	0.01	0.0	381.9	0	21.64	34.694	5.20	24.106	381.9	0.000
10	21.65	34.695	5.33	0.14	1.	0.01	0.0	382.0	10	21.65	34.695	5.33	24.104	382.0	0.038
30	21.60	34.690	5.26	0.12	1.	0.00	0.0	381.1	20	21.63	34.693	5.30	24.109	381.6	0.076
55	21.03	34.695	5.31	0.12	1.	0.01	0.0	365.9	30	21.60	34.690	5.26	24.114	381.1	0.115
70	20.90	34.947	5.29	0.08	2.	0.00	0.0	344.3	50	21.15	34.673	5.30	24.224	370.6	0.190
85	20.53	34.994	5.19	0.08	2.	0.00	0.0	331.4	75	20.79	34.973	5.26	24.549	339.6	0.279
100	20.11	35.065	5.09	0.07	1.	0.00	0.0	315.6	100	20.11	35.065	5.09	24.801	315.6	0.362
129	19.10	35.008	5.10	0.10	1.	0.15	0.0	294.7	125	19.27	35.030	5.10	24.994	297.3	0.440
155	17.55	34.784	4.72	0.27	3.	0.01	1.9	274.3	150	17.92	34.842	4.80	25.190	278.7	0.513
178A	15.09	34.405	4.59	0.46	5.	0.00	4.4	247.9	200	13.58	34.239	4.53	25.705	229.7	0.643
213A	12.89	34.186	4.48	0.72	9.	0.00	8.6	220.2	250	10.89	34.133	4.14	26.140	188.4	0.750
277A	9.71	34.143	3.78	1.45	24.	0.00	19.5	168.1	300	8.94	34.134	3.34	26.471	156.9	0.839
373A	7.49	34.161	1.86	2.43	51.	0.00	32.4	134.1	400	7.90	34.340	1.38	26.792	126.5	0.987
471A	7.50	34.443	0.43	2.90	58.	0.00	39.4	113.3	500	7.24	34.452	0.42	26.975	109.1	1.112
602A	6.29	34.442	0.40	3.11	74.	0.00	42.5	97.6	600	6.31	34.443	0.40	27.094	97.8	1.224
752A	5.41	34.470	0.40	3.27	89.	0.00	45.0	85.0	700	5.68	34.460	0.40	27.188	88.9	1.326
899A	4.71	34.492	0.64	3.24	102.	0.00	44.9	75.6	800	5.17	34.478	0.47	27.264	81.7	1.420
1108A	3.93	34.524	0.89	3.20	119.	0.00	44.5	65.3	1000	4.30	34.508	0.77	27.385	70.2	1.591

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20143

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	143 00.0W	5/24/72	0344 GMT	5272M	070	16KT	1	090 4 6

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	22.29	34.70		23.929	398.7	0.000
									10	22.29	34.71		23.937	398.0	0.040
									20	22.29	34.72		23.944	397.3	0.080
									30	22.25	34.72		23.956	396.2	0.119
									50	22.13	34.72		23.989	393.0	0.199
									75	21.56	34.79		24.201	372.8	0.295
									100	21.36	35.07		24.468	347.3	0.386
									125	20.21	35.01		24.733	322.1	0.470
									150	20.12	35.29		24.970	299.5	0.549
									200	17.26	34.69		25.233	274.5	0.696
									250	13.33	34.26		25.773	223.2	0.824
									300	11.15	34.15		26.107	191.5	0.931
									400	8.11	34.12		26.588	145.8	1.106
									500	6.41	34.21		26.898	116.4	1.244
									600	5.44	34.33		27.115	95.8	1.357
									700	5.12	34.44		27.240	84.0	1.455
									800	4.79	34.49		27.317	76.7	1.544
									1000	4.05	34.54		27.437	65.3	1.704

RV DAVID STARR JORDAN CALCOFI CRUISE 7205 20145

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
20 00.0N	145 00.0W	5/23/72	1018 GMT	4889M	080	12KT		

Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	22.90	34.55		23.642	426.1	0.000
									10	22.88	34.56		23.656	424.8	0.043
									20	22.89	34.57		23.660	424.4	0.085
									30	22.89	34.57		23.660	424.4	0.128
									50	22.67	34.71		23.829	408.3	0.211
									75	21.61	34.97		24.323	361.1	0.308
									100	20.72	35.01		24.597	335.1	0.396
									125	20.36	35.08		24.746	320.8	0.479
									150	19.54	35.10		24.977	298.8	0.557
									200	17.17	34.78		25.324	265.9	0.702
									250	12.90	34.26		25.860	215.0	0.825
									300	10.57	34.16		26.219	180.9	0.927
									400	7.92	34.21		26.687	136.4	1.093
									500	6.59	34.30		26.945	111.9	1.224
									600	5.92	34.38		27.095	97.7	1.336
									700	5.27	34.43		27.214	86.4	1.436
									800	4.78	34.47		27.302	78.0	1.527
									1000	4.15	34.53		27.419	67.0	1.690

A) CAST II.

		Z	T	S	O2	DT
46.133	06/02/72 1354GMT 46 03.0N 133 00.0W BOTTOM 3730M WIND 200 10KT WEATHER 2 DOMINANT WAVES 250 04 06	10	10.16	32.750	6.91	278.4
46.135	06/02/72 0308GMT 46 00.0N 135 00.0W BOTTOM 3918M WIND 160 06KT WEATHER 2 DOMINANT WAVES 270 04 07	10	9.58	32.662	7.15	275.8
46.139	06/01/72 0546GMT 46 00.0N 139 00.0W BOTTOM 4316M WIND 250 18KT WEATHER 2 DOMINANT WAVES 250 04 07	10	9.49	32.695	6.87	272.0
46.141	05/31/72 1921GMT 46 00.0N 141 00.0W BOTTOM 4314M WIND 280 20KT WEATHER 2 DOMINANT WAVES 250 04 07	10	9.36	32.724	6.80	267.9
46.143	05/31/72 0837GMT 45 58.0N 143 01.0W BOTTOM 4569M WIND 300 16KT WEATHER 2 DOMINANT WAVES	10	9.14	32.729	7.04	264.2
45.150	05/29/72 1206GMT 45 01.0N 149 59.0W BOTTOM 5218M WIND 070 14KT WEATHER 2 DOMINANT WAVES	10	9.92	33.061	6.77	251.6
44.155	05/28/72 0845GMT 43 56.0N 155 00.0W BOTTOM 5494M WIND 180 19KT WEATHER 2 DOMINANT WAVES	10	10.16	33.241	6.73	242.1
43.160	05/27/72 0858GMT 42 52.0N 160 00.0W BOTTOM 5175M WIND 350 08KT WEATHER 2 DOMINANT WAVES	10	10.46	33.639	6.72	217.5
42.135	05/17/72 0347GMT 42 00.0N 135 00.0W BOTTOM 4017M WIND 330 16KT WEATHER 2 DOMINANT WAVES 330 05 05	10	11.38	32.917	6.53	286.4
42.137	05/17/72 1634GMT 41 59.5N 137 02.0W BOTTOM 4078M WIND 300 19KT WEATHER 2 DOMINANT WAVES 300 05 04	10	11.07	32.920	6.77	280.9
42.139	05/18/72 0159GMT 41 59.5N 139 00.0W BOTTOM 4070M WIND 310 18KT WEATHER 2 DOMINANT WAVES 310 04 06	10	11.42	32.981	6.68	282.3
42.143	05/18/72 2215GMT 42 00.0N 142 57.5W BOTTOM 4582M WIND 240 11KT WEATHER 2 DOMINANT WAVES 250 03 04	10	12.80	33.480	6.27	270.4
42.145	05/19/72 1338GMT 42 00.0N 145 00.5W BOTTOM 4727M WIND 190 16KT WEATHER 0 DOMINANT WAVES	10	11.72	33.157	6.67	274.6
42.153	05/21/72 1550GMT 41 44.0N 152 57.0W BOTTOM 5201M WIND 030 10KT WEATHER 1 DOMINANT WAVES 020 02 05	10		33.347	6.68	
'BUOY 56	05/22/72 2010GMT 42 23.0N 157 59.0W BOTTOM 5215M WIND 150 13KT WEATHER 1 DOMINANT WAVES 150 02 03	10	11.90	33.664	6.62	240.4
BUOY 56	05/22/72 2143GMT 42 23.0N 157 59.0W BOTTOM 5172M WIND 180 16KT WEATHER 2 DOMINANT WAVES 180 02 03	10	11.89	33.657	6.62	240.8
BUOY 55	05/26/72 0608GMT 42 00.0N 164 05.0W BOTTOM M WIND 320 20KT WEATHER 6 DOMINANT WAVES 310 07 06	10	10.18	33.667	6.65	210.9
BUOY 48	05/20/72 0531GMT 41 01.0N 148 02.0W BOTTOM 5025M WIND 210 19KT WEATHER 2 DOMINANT WAVES 210 08 04	10	13.68	33.698	6.06	271.2
39.137	05/01/72 2302GMT 38 59.0N 136 58.0W BOTTOM 5167M WIND 190 12KT WEATHER 2 DOMINANT WAVES 190 02 03	10	13.10	33.394	6.18	282.4
39.139	05/01/72 1300GMT 39 02.0N 138 53.0W BOTTOM 4885M WIND 220 14KT WEATHER DOMINANT WAVES	10	12.98	33.435	6.02	277.1
35.129	04/26/72 0436GMT 35 00.0N 128 57.5W BOTTOM 4688M WIND 020 22KT WEATHER 2 DOMINANT WAVES 020 05	10	13.92	33.203	6.08	312.2

		Z	T	S	O2	DT
31.127	04/21/72 0640GMT 31 00.0N 127 00.0W BOTTOM 4697M WIND 010 10KT WEATHER DOMINANT WAVES	10	16.04	33.732	5.84	317.2
31.131	04/22/72 1015GMT 31 01.0N 131 00.0W BOTTOM 4507M WIND 030 10KT WEATHER DOMINANT WAVES	10	16.34	33.858	5.86	314.6
31.133	04/22/72 2028GMT 31 00.0N 133 00.0W BOTTOM 4697M WIND 010 02KT WEATHER 1 DOMINANT WAVES 020 01 04	10	16.72	33.959	5.77	315.6
31.135	04/23/72 0751GMT 31 00.0N 135 00.0W BOTTOM 4327M WIND 220 14KT WEATHER DOMINANT WAVES	10	16.75	34.153	5.74	302.1
31.139	04/24/72 1440GMT 31 00.0N 139 00.0W BOTTOM 4121M WIND 030 10KT WEATHER 1 DOMINANT WAVES 010 08 08	10	17.46	34.663	5.68	281.0
31.141	04/25/72 0215GMT 31 00.0N 141 00.0W BOTTOM 4793M WIND 330 12KT WEATHER 1 DOMINANT WAVES 020 08 08	10	18.00	34.812	5.62	282.7
31.143	04/25/72 1537GMT 31 00.0N 143 00.0W BOTTOM 4889M WIND 280 10KT WEATHER 1 DOMINANT WAVES 110 06 07	10	18.10	34.868	5.69	281.0
27.127	05/01/72 2342GMT 27 00.0N 126 59.5W BOTTOM 4507M WIND 030 10KT WEATHER 1 DOMINANT WAVES 020 04 05	10	17.08	34.058	5.83	316.4
27.129	05/01/72 1312GMT 27 00.0N 129 00.0W BOTTOM 4410M WIND 020 12KT WEATHER DOMINANT WAVES	10	17.84	34.341	5.72	313.2
27.131	05/01/72 0235GMT 27 00.0N 131 00.0W BOTTOM 4889M WIND 040 16KT WEATHER 2 DOMINANT WAVES 040 06 05	10	17.72	34.359	5.78	309.1
27.135	04/30/72 0132GMT 27 00.0N 135 00.0W BOTTOM 4602M WIND 050 20KT WEATHER 2 DOMINANT WAVES 070 06 06	10	19.12	34.793	5.55	310.8
27.137	04/29/72 1259GMT 27 00.0N 137 00.0W BOTTOM 4889M WIND 070 22KT WEATHER DOMINANT WAVES	10	19.08	34.771	5.54	311.4
27.139	04/29/72 0027GMT 27 00.0N 139 00.0W BOTTOM 4697M WIND 080 21KT WEATHER 1 DOMINANT WAVES 080 06 05	10	19.87		5.53	
27.143	04/27/72 2213GMT 27 00.0N 143 08.5W BOTTOM 4697M WIND 050 22KT WEATHER 1 DOMINANT WAVES 040 05 05	10	20.53	35.182	5.48	317.8
27.145	04/27/72 0802GMT 27 00.0N 144 58.0W BOTTOM 5080M WIND 090 16KT WEATHER DOMINANT WAVES	10	20.40	35.317	5.39	304.7
24.121	05/16/72 0832GMT 24 00.0N 121 00.0W BOTTOM 4217M WIND 030 07KT WEATHER DOMINANT WAVES	10	18.20	34.352U	5.59	
24.123	05/16/72 1919GMT 24 00.0N 123 00.0W BOTTOM 3929M WIND 010 01KT WEATHER 1 DOMINANT WAVES 010 03 05	10	17.94	33.894	5.68	348.1
24.125	05/17/72 0642GMT 24 00.0N 125 00.0W BOTTOM 4410M WIND 340 04KT WEATHER DOMINANT WAVES	10	17.91	34.072	5.63	334.4
24.127	05/17/72 1930GMT 24 00.0N 127 00.0W BOTTOM 4121M WIND 010 13KT WEATHER 1 DOMINANT WAVES 360 03 05	10	18.40	34.178	5.56	338.2
24.131	05/18/72 1822GMT 24 00.0N 131 00.0W BOTTOM 4889M WIND 030 16KT WEATHER 2 DOMINANT WAVES 020 04 04	10	19.20	34.741	5.50	316.5
24.133	05/19/72 0515GMT 24 00.0N 133 00.0W BOTTOM 4507M WIND 030 18KT WEATHER DOMINANT WAVES 030 08 05	10	19.58	34.765	5.43	324.1

		Z	T	S	O2	DT
24.135	05/19/72 1728GMT 24 00.0N 135 00.0W BOTTOM 4889M WIND 030 13KT WEATHER 2 DOMINANT WAVES 030 07 05	10	19.62 U	34.676	5.51	
24.139	05/20/72 1820GMT 24 00.0N 139 00.0W BOTTOM 5080M WIND 050 10KT WEATHER 1 DOMINANT WAVES 030 06 05	10		34.841	5.24	
24.141	05/21/72 0627GMT 24 00.0N 141 00.0W BOTTOM 4507M WIND 040 18KT WEATHER DOMINANT WAVES	10	22.29	34.754	5.21	394.8
24.143	05/21/72 1822GMT 24 00.0N 143 00.0W BOTTOM 5080M WIND 080 14KT WEATHER 1 DOMINANT WAVES 060 06 05	10	21.70	34.997	5.27	361.5
20.121	05/30/72 0636GMT 20 00.0N 121 00.0W BOTTOM 4313M WIND 030 12KT WEATHER DOMINANT WAVES	10	21.10	34.424	5.33	387.3
20.123	05/29/72 1619GMT 20 00.0N 123 00. W BOTTOM 4313M WIND 050 08KT WEATHER 1 DOMINANT WAVES 010 04 04	10	22.00	34.327	5.17	417.9
20.127	05/28/72 1706GMT 19 55.0N 127 01.0W BOTTOM 5080M WIND 030 06KT WEATHER 2 DOMINANT WAVES 020 05 04	10	22.88	34.584	5.10	423.1
20.129	05/28/72 0127GMT 20 00.0N 129 00.0W BOTTOM 1861M WIND 040 13KT WEATHER 1 DOMINANT WAVES 050 03 04	10	20.81	34.490	5.38	375.0
20.131	05/27/72 1335GMT 20 00.0N 131 00.0W BOTTOM 4697M WIND 060 14KT WEATHER DOMINANT WAVES	10	20.64	34.575	5.29	364.5
20.135	05/26/72 1003GMT 20 00.0N 135 00.0W BOTTOM 4793M WIND 050 14KT WEATHER DOMINANT WAVES	10	21.52	34.605	5.21	385.1
20.137	05/25/72 2236GMT 20 00.0N 136 59.0W BOTTOM 5467M WIND 050 17KT WEATHER 1 DOMINANT WAVES 040 04 05	10	22.32	34.547	5.20	410.6
20.139	05/25/72 0835GMT 19 56.0N 138 59.0W BOTTOM 5080M WIND 070 20KT WEATHER DOMINANT WAVES	10	22.93	34.489	5.09	431.3
20.143	05/24/72 0431GMT 20 00.0N 143 10.0W BOTTOM 5272M WIND 070 16KT WEATHER 1 DOMINANT WAVES 090 04 06	10	22.29	34.670	5.17	400.9
20.145	05/23/72 1106GMT 20 00.0N 145 00.0W BOTTOM 4889M WIND 080 12KT WEATHER DOMINANT WAVES	10	22.90	34.528	5.22	427.7