

data report

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 6907
10-29 July 1969

CalCOFI Cruise 6908
6 August-8 September 1969

and

CalCOFI Cruise 6909
11 September-7 October 1969

SIO Reference 79-7
15 May 1979

UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 6907
10-29 July 1969

CalCOFI Cruise 6908
6 August-8 September 1969

and

CalCOFI Cruise 6909
11 September-7 October 1969

Sponsored by

Marine Research Committee

SIO Reference 79-7

Approved for distribution:

W. A. Nierenberg
W. A. Nierenberg, Director

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INTRODUCTION

The data in this report was collected during cruises 6907*, 6908 and 6909 of the California Cooperative Oceanic Fisheries Investigations (CalCOFI) program aboard the RV David Starr Jordan, of the Bureau of Commercial Fisheries (now National Marine Fisheries Service), and the RV Alexander Agassiz, of the Scripps Institution of Oceanography. The report preceeding this one in the series was SIO Ref. 77-22 which included data for April, May and June 1969.

This data was collected in part and processed completely by personnel of the Data Collection and Processing Group (DCPG, MLR)**, Scripps Institution of Oceanography.

STANDARD PROCEDURES

Hydrographic Cast Data

The hydrographic casts consisted of 12 to 18 Nansen bottles. At most stations the maximum sampling depth was 600 meters, bottom depth permitting. Temperature, oxygen, and nutrients were determined for all depths on each station, but samples from only five selected depths were used to determine salinity for comparison with the STD.

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 nutrients were determined for most of the 10 meter samples. On the RV David Starr Jordan water samples at some stations were collected with a Niskin rosette lowered on the STD cable. Thermometers were used on the deepest Niskin sampler to record the temperature.

In general, paired protected reversing thermometers were used to determine temperatures which were recorded to hundredths of a Celsius degree. 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 depth determination.

*The first two digits represent the year and the second two digits the month of the cruise. The CalCOFI station designations have been in use for over twenty years. The first part specifies a line normal to the general trend of the coast line (CalCOFI line). The second part specifies a station position relative to the coast on the CalCOFI line.

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All salinity samples for Cruise 6907 were analyzed using Bissett Berman (now Grundy Environmental Systems Inc.) inductive salinometers. Both an Australian Autolab inductive salinometer and a Washington conductive bridge were used on the Agassiz during 6908. Problems were encountered with both salinometers and all salinities were tabulated in hundredths. The Autolab was used again for 6909 without the difficulties of the northern half of the cruise.

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 first generation Technicon^R AutoAnalyzer^R and methods developed at the Bureau of Commercial Fisheries based on the methodologies of Strickland (1968).

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

Most of the sample bottle data could not be evaluated using standard DCPG techniques (Klein, 1973) due to the sparsity of salinity data. However, when it was apparent the STD had malfunctioned, salinity samples were determined from all sample bottles and the standard techniques carried out. All oxygen and nutrients were plotted against depth for evaluation.

In Situ Salinity/Temperature/Depth Recorder (STD) data

A Bissett Berman Model 9006 STD was used by each ship for lowerings during all three cruises. Both ships also used a digital data logger (DDL) Model 8114 for data recording.

The STD and DDL used on the Jordan during 6907 worked well except for extensive "spiking" through the thermocline. No temperature correction and only a slight off-set correction to salinity were determined from comparison with sample bottle data. On the Agassiz one STD and one DDL were used during all three cruises included in this report. The DDL malfunctioned intermittently on the three cruises but when no data could be recovered from the tape, the analogs were digitized at standard levels of depth. Comparison of DDL and analog data with sample bottle observations resulted in average corrections for each cruise, the largest for temperature being -0.05° and for salinity, $-0.06^{\circ}/\text{oo}$.

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 times 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 was obtained by bottle casts and by the STD, and appear in two forms:

- 1.) Data from the sample bottle casts is tabulated with the observed levels of depth on the left of a page. When salinity samples were collected and analyzed for all observed levels, interpolated and computed values at standard levels of depth appear on the right of the page.
- 2.) For each STD lowering, temperature and salinity values are read only at standard levels of depth and appear with computed values of DT and DD on the right of the page. Corrections have been applied to the temperature and salinity values as discussed previously in this report. Nutrient data from samples collected with a Niskin rosette is tabulated at observed levels of depth to the left of the STD data.

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 90.65 appears in the tabulated data as 90065. The column headings are to be interpreted as follows:

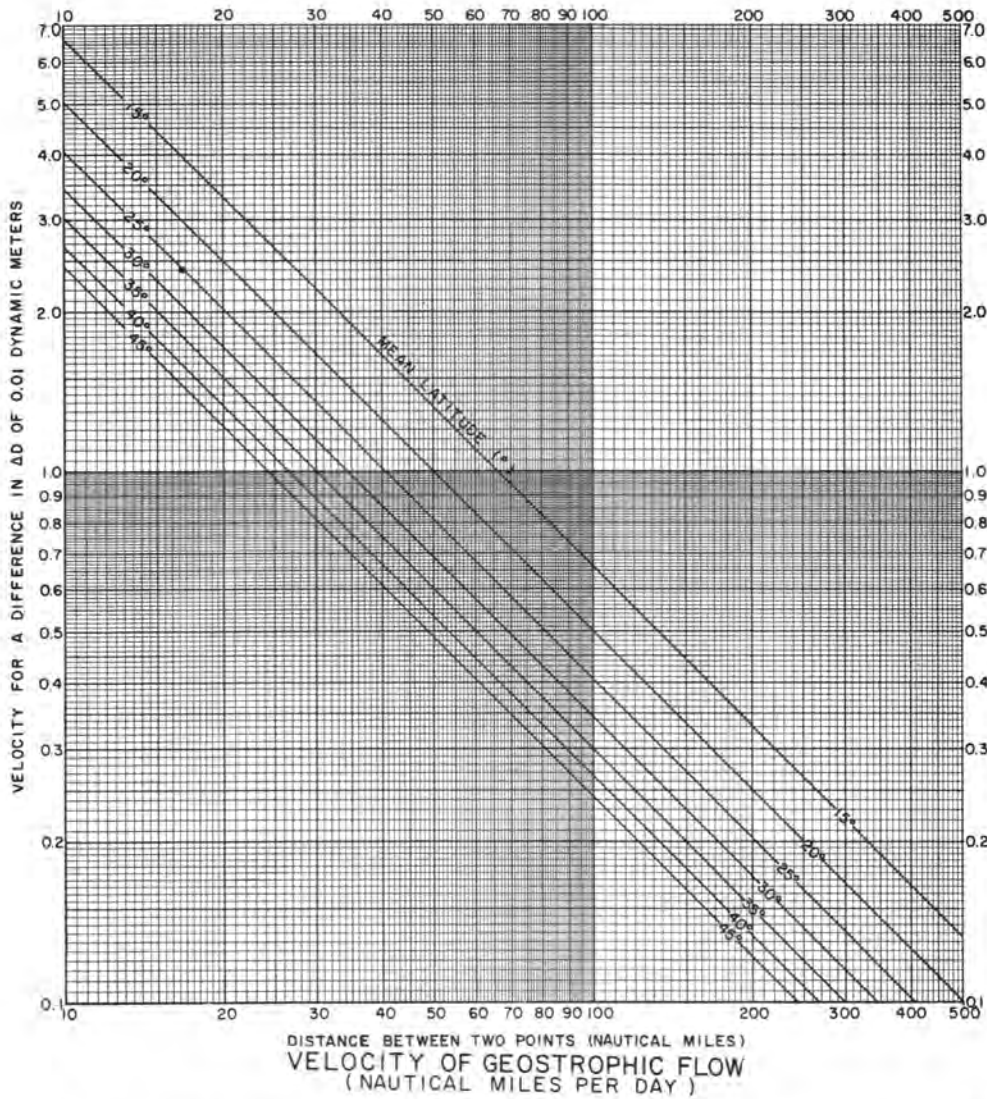
Z	Depth	Meters
T	Temperature	°C
S	Salinity	°/oo
O2	Dissolved oxygen	ml/L
P04	"Reactive" inorganic phosphate-phosphorus	µg at/L
Si03	"Reactive" inorganic silicate-silicon	µg at/L
N02	"Reactive" inorganic nitrite-nitrogen	µg at/L
N03	"Reactive" inorganic nitrate-nitrogen	µg at/L
DT	δ_T Thermosteric anomaly	cl/ton
SIGT	$\sigma_t = (\rho_{s,t,0} - 1)10^3$ 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

Data which appears to be in error without obvious reason is reported, but flagged uncertain with a U. Such data was not used in the determination of data at standard depths. Footnotes are used to indicate data which has required special porcessing.

REFERENCES

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- Strickland, J.D.H., and T.R. Parsons, 1968. A practical handbook of seawater analysis. Fish. Res. Board of Canada, Bull. No. 167: 311pp.
- University of Washington, 1960. Univ. of Wash. Dept. of Oceanography, Oct. 1960. Tech. Rep. UW Ref. No. 60-18.



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

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

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

FIGURES

Cruise 6907

1. CalCOFI Cruise 6907, 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

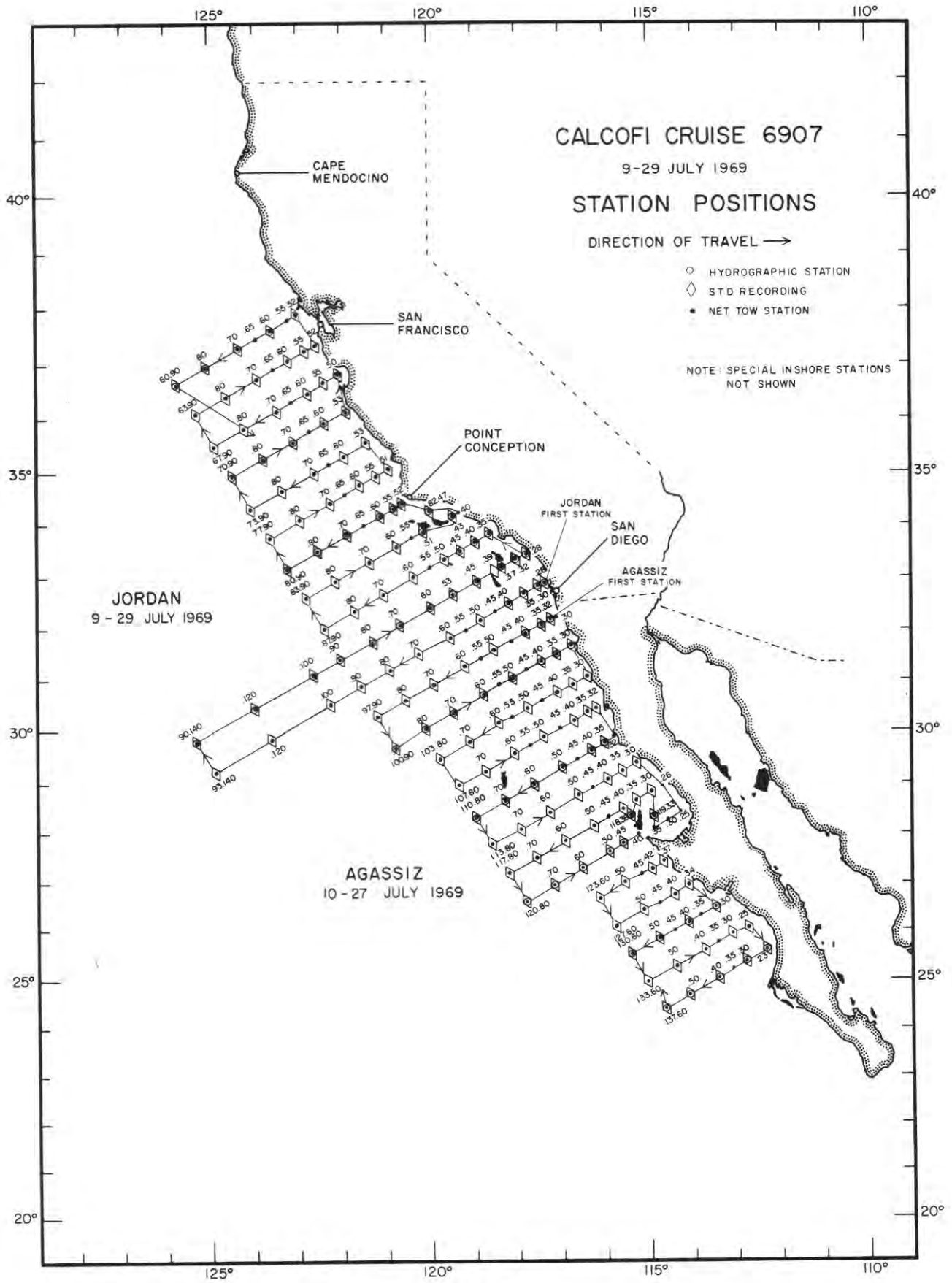


FIGURE 1

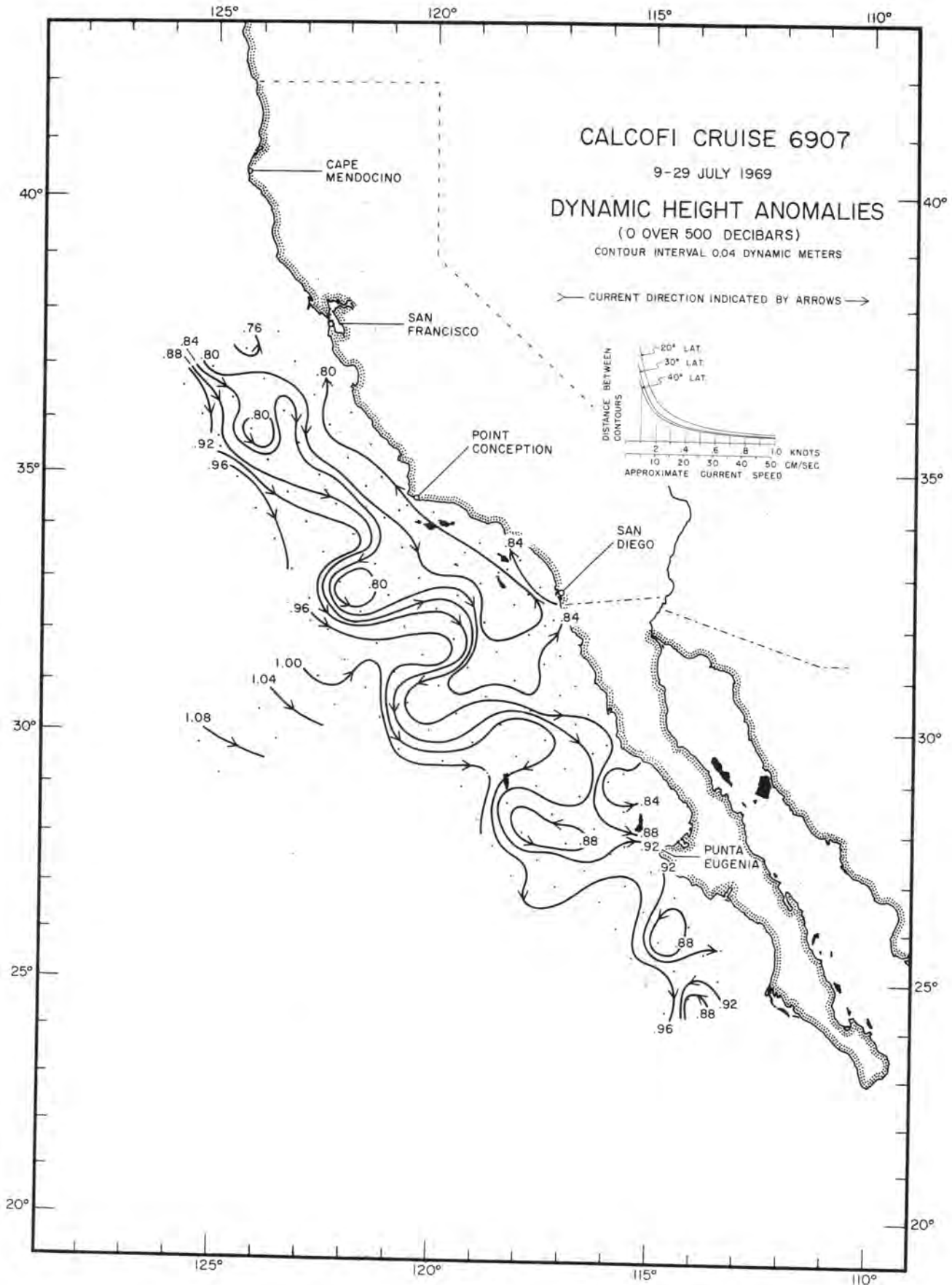


FIGURE 2

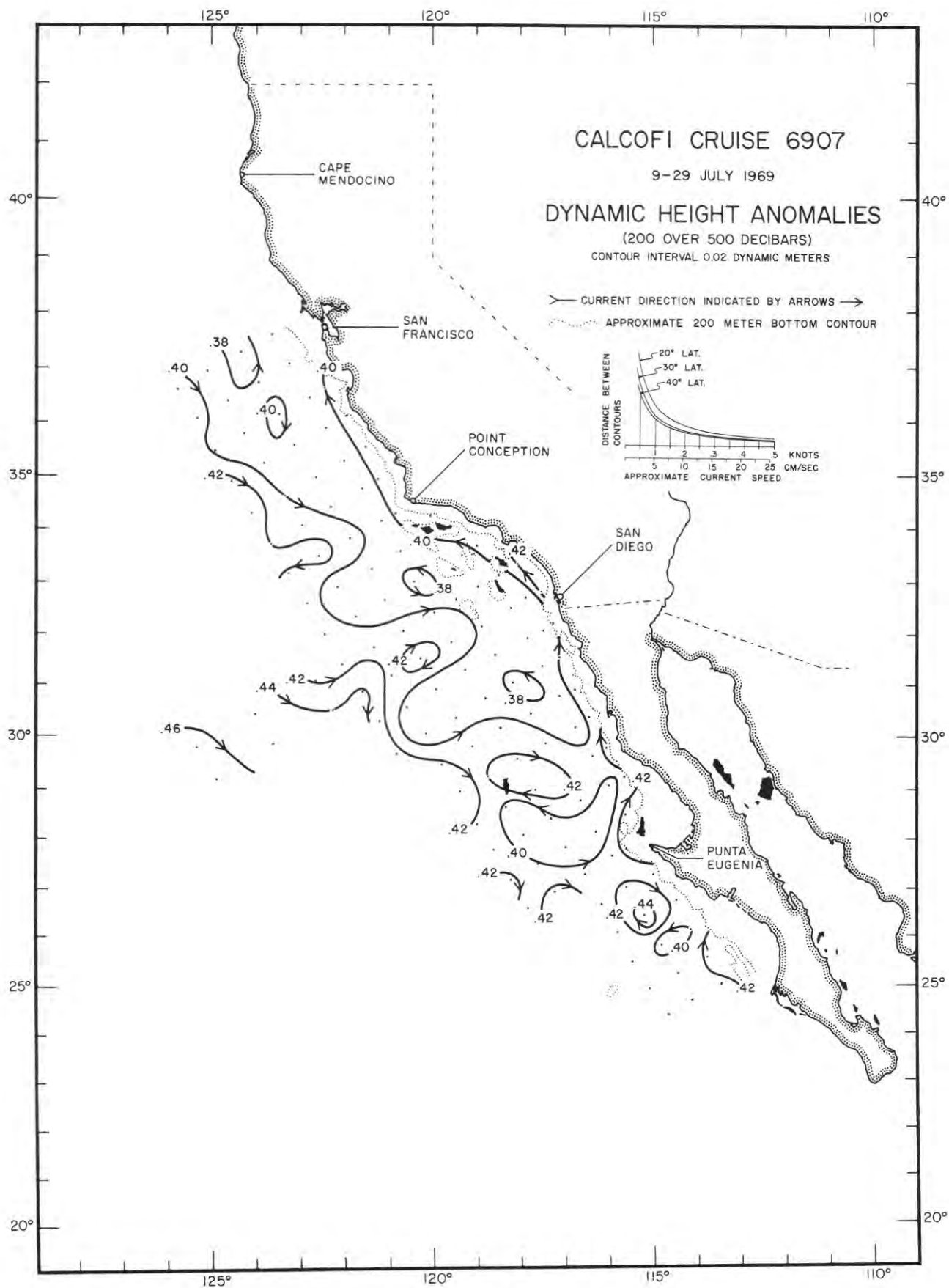


FIGURE 3

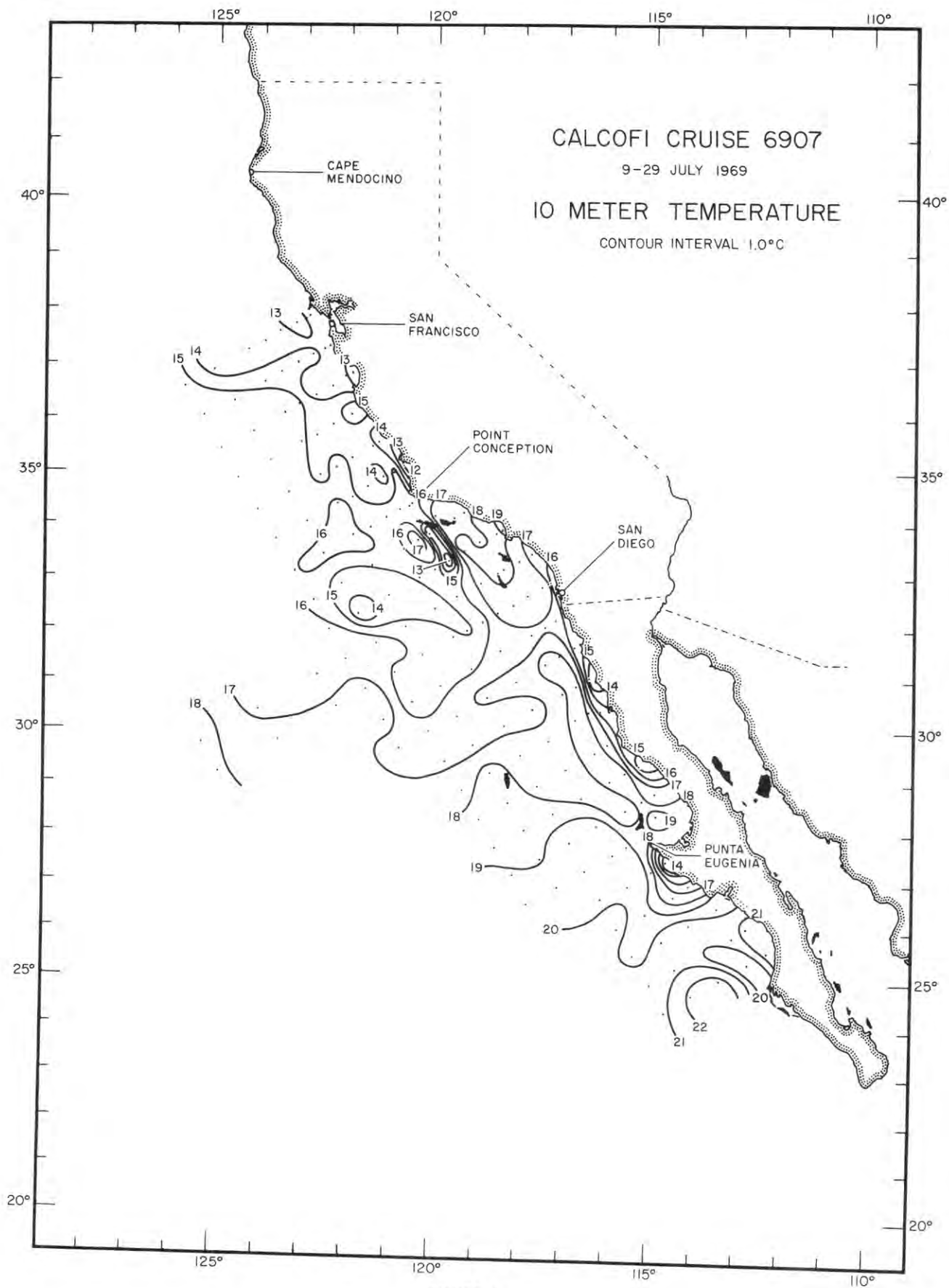


FIGURE 4

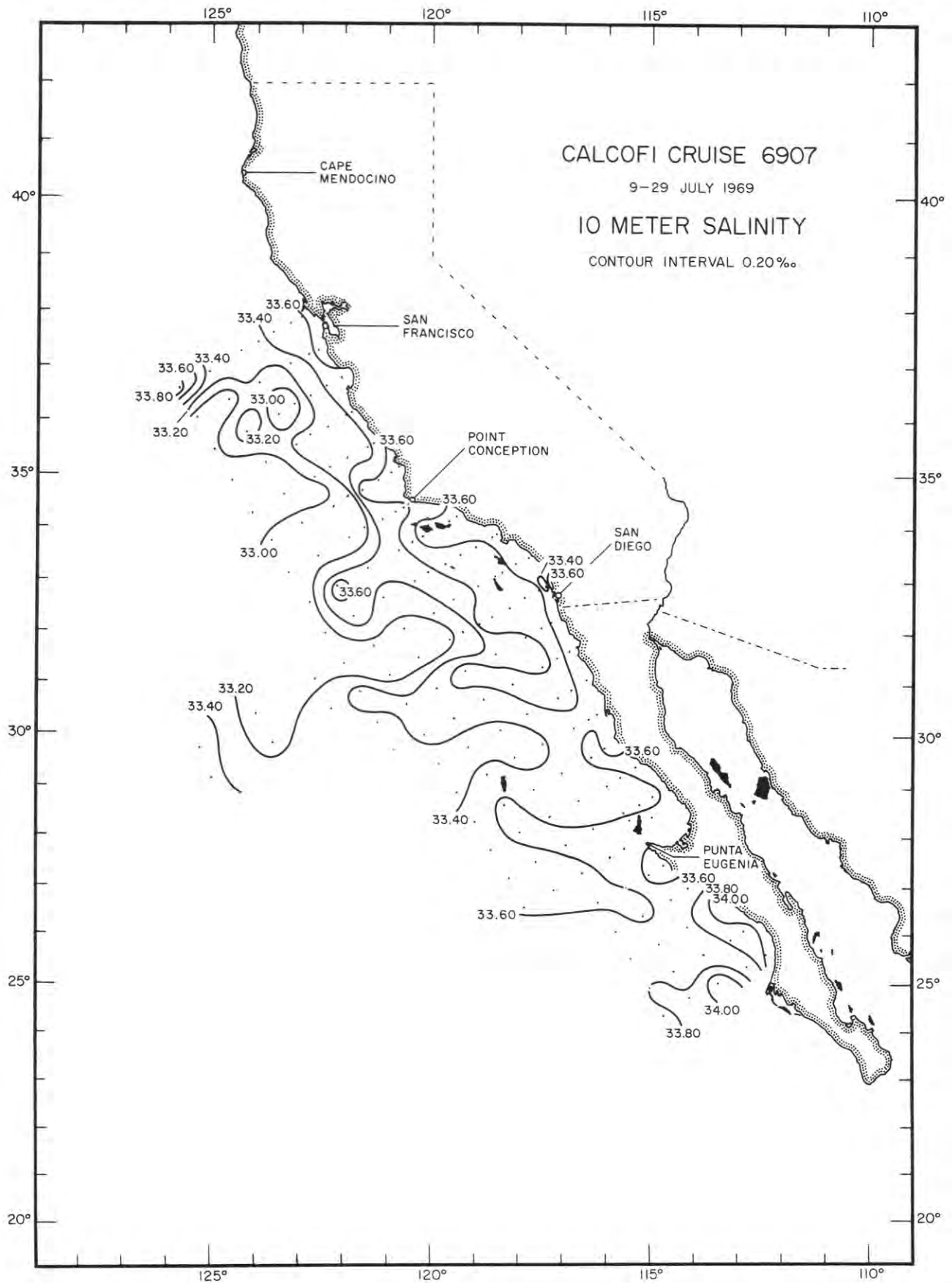


FIGURE 5

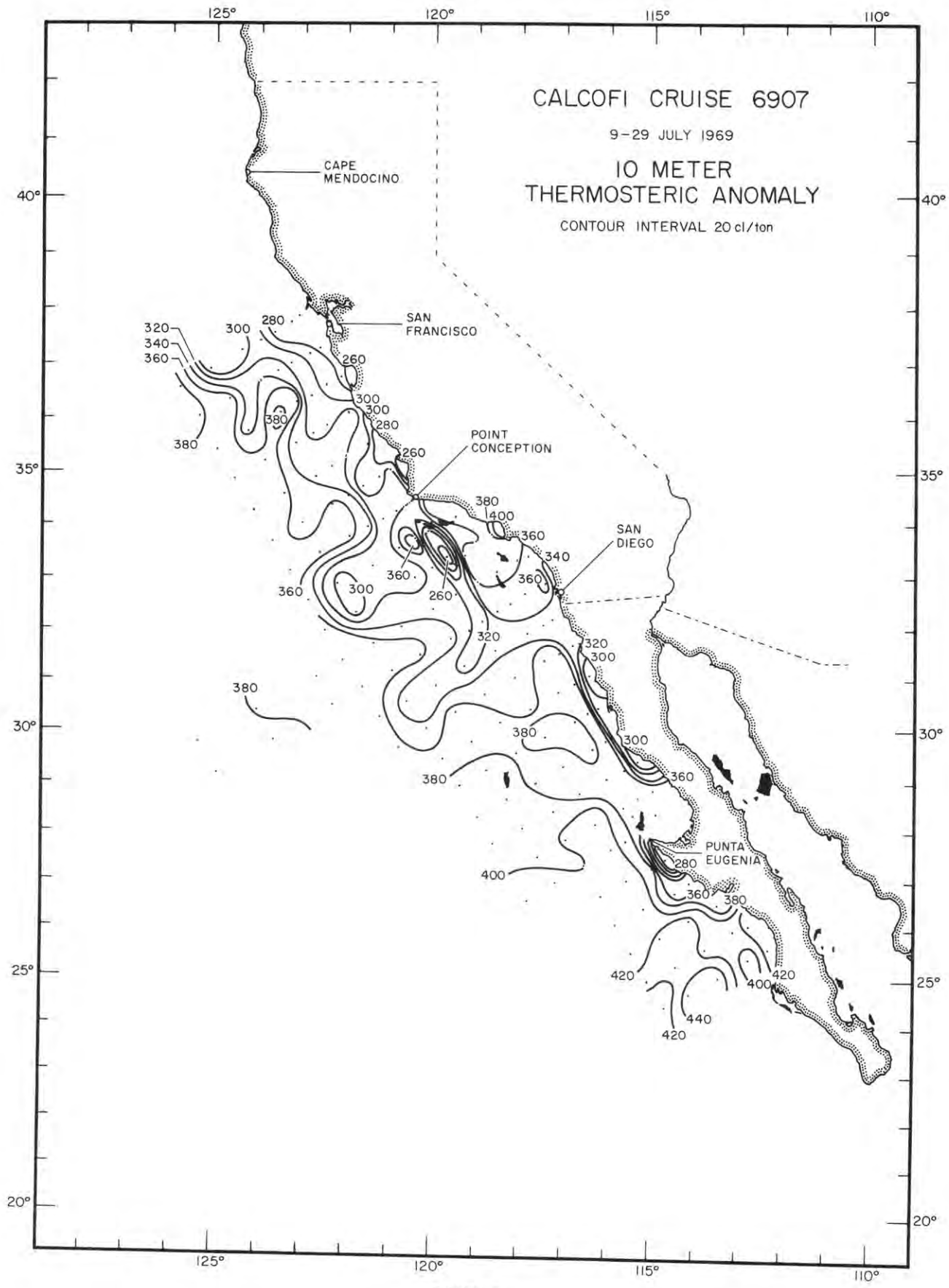


FIGURE 6

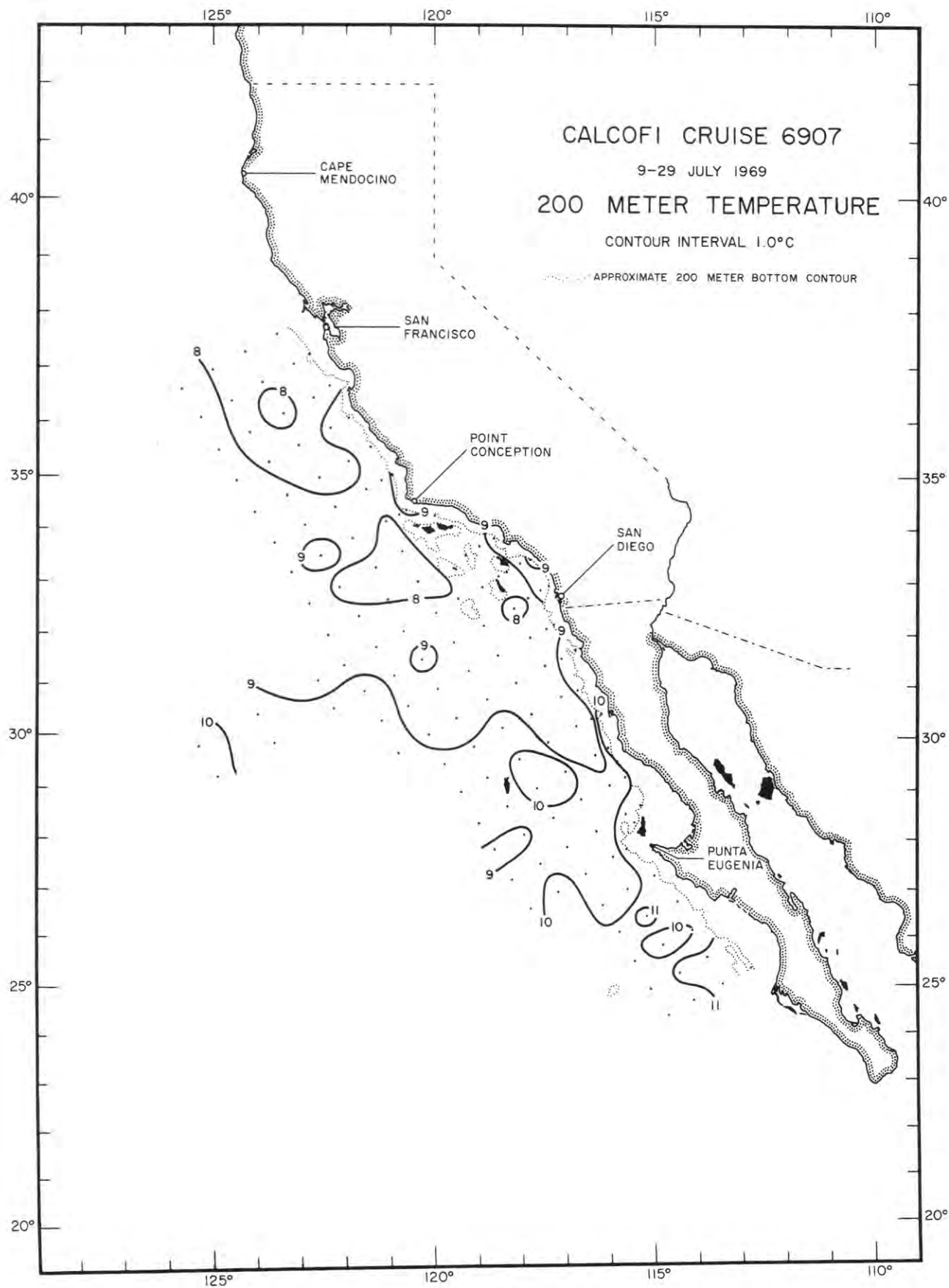


FIGURE 7

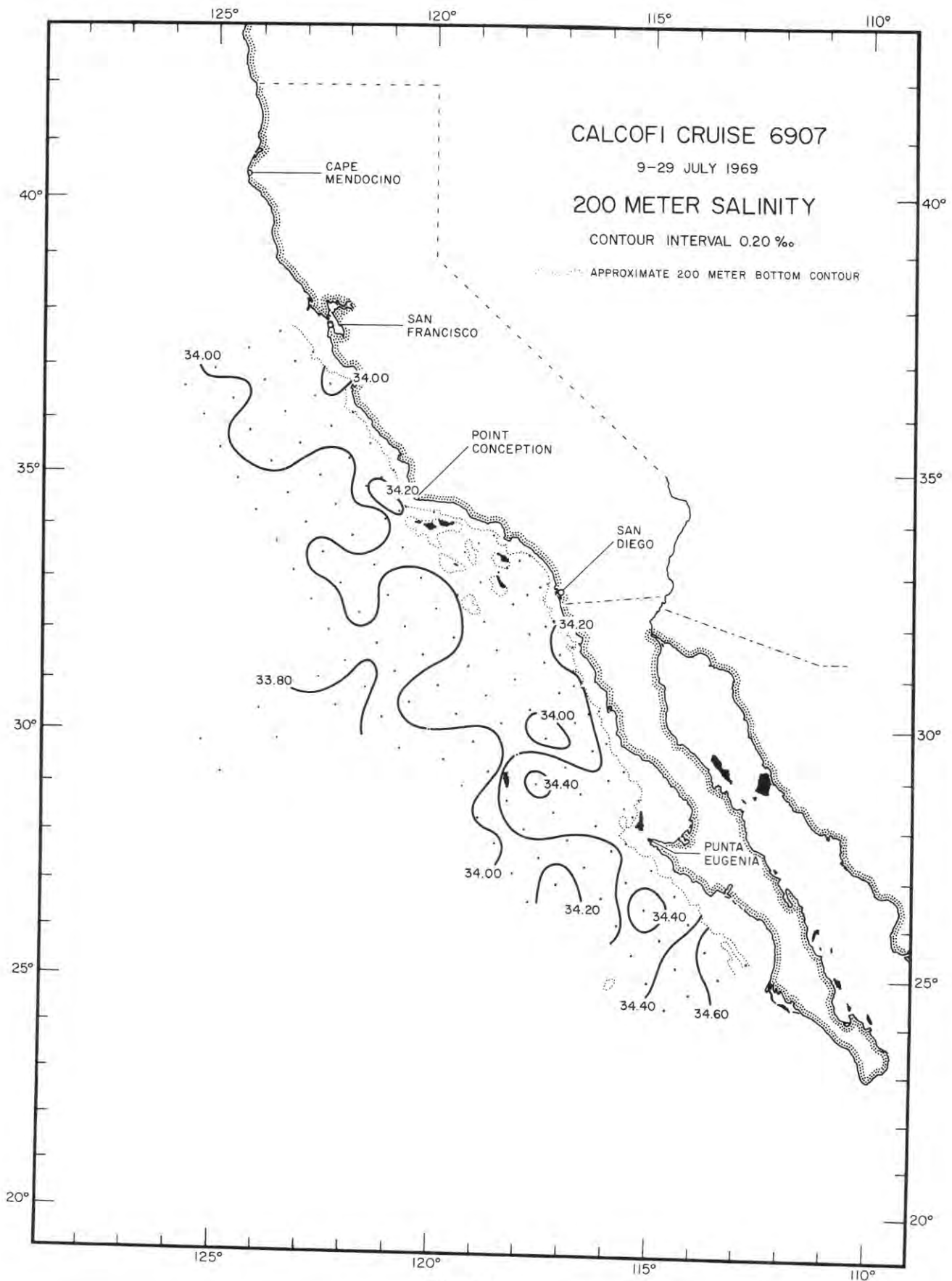


FIGURE 8

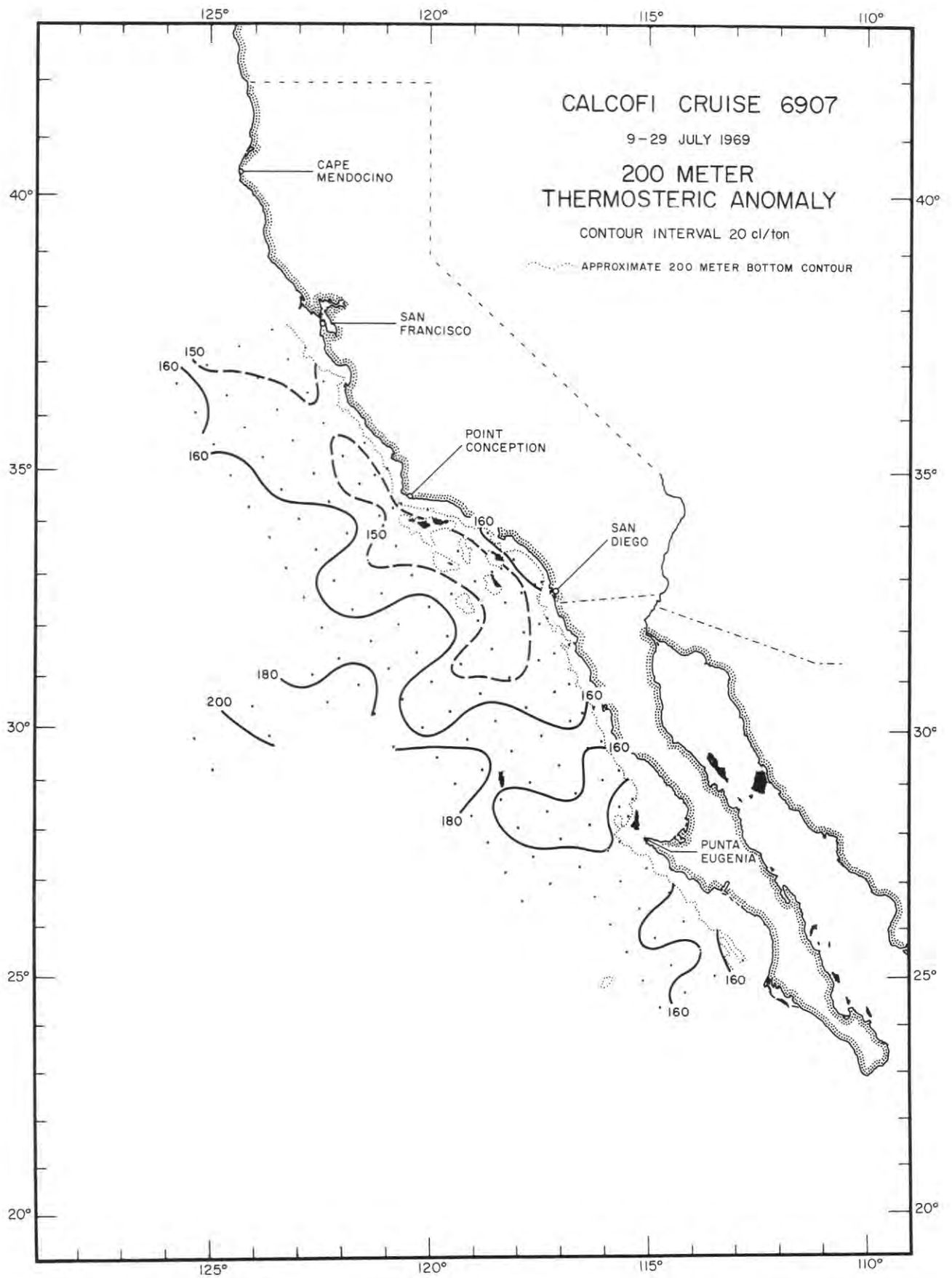


FIGURE 9

PERSONNEL

Cruise 6907

SHIP'S CAPTAINS

Coleman, Garrett S., RV Alexander Agassiz
Roll, Milton, RV David Starr Jordan

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

RV Alexander Agassiz:

Hester, Arthur W., Marine Technician (in charge) SIO
Ballard, Edward N., Marine Technician SIO
Bliss, Kenneth A., Oceanographer BCF*
Counts, Robert C., Fishery Biologist BCF*
Ferris, Clayton, Student Trainee SIO
Horton, George L. Student Trainee NSF**
Jung, Dennis, Student Trainee NSF**
Kimura, Makoto, Fishery Biologist BCF*
MacIntosh, Richard A., Biology Technician BCF*
Sigrist, Peter H., Marine Technician SIO
Singleton, James R., Electronic Technician SIO
Wightman, Paul, Graduate Student SIO

RV David Starr Jordan:

Thraillkill, James R., Fishery Biologist (in charge) BCF*
Barnes, A., Student U.C. Santa Barbara
Bradley, Douglas C., Electronic Technician SIO
Bryan, Walter R., Marine Technician SIO
Carlson, Charles, Student U.C. San Deigo
Kirk, P., Biological Technician BCF*
Lenarz, William H. Dr., Fishery Biologist BCF*
Robertson, Scott B., Marine Technician SIO
Schmitt, James A., Electronics Technician SIO
Shor, Alexander, Student Trainee SIO
Smith, S., Research Assistant University of Hawaii
Wiley, N., Biological Aid BCF*
Zweifel, James R., Mathematician BCF*

*Bureau of Commercial Fisheries
now National Marine Fisheries Service
Southwest Fisheries Center

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

60052

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 54.0N		123 01.5W		07/28/69	1540 GMT					75M	330	08KT	2	310 03 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	13.17	33.48		25.204	277.3	0	
									10	13.01	33.54		25.282	269.9	.027	
									20	10.03	33.78		26.016	200.0	.051	
									30	9.66	33.78		26.078	194.2	.071	
									50	9.14	33.87		26.233	179.5	.108	
									75	8.91	33.93		26.316	171.5	.152	

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

60052

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 54.0N		123 01.5W		07/28/69	1600 GMT					75M	330	08KT	2	310 03 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
1	13.10	33.521	7.42	.30	1.	.00	.0	272.9	0	13.10	33.521	7.42	25.249	272.9	0	
11	12.87	33.579	7.60	.28	1.	.00	.0	264.4	10	12.89	33.574	7.58	25.331	265.2	.027	
20	10.21	33.740	4.07	1.82	11.	.11	13.9	205.9	20	10.21	33.740	4.07	25.954	205.9	.051	
30	9.73	33.790	3.54	2.10	23.	.13	20.6	194.5	30	9.73	33.790	3.54	26.074	194.5	.071	
49	9.12	33.865	2.82	2.15	34.	.19	26.0	179.5	50	9.10	33.869	2.78	26.238	178.9	.108	
66	8.93	33.920	2.23	2.46	42.	.25	26.7	172.6								

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

60060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 36.5N		123 37.5W		07/28/69	2029 GMT					3447M	340	23KT	2	340 06 04		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	13.41	33.58		25.233	274.5	0	
									10	13.41	33.58		25.233	274.5	.027	
									20	13.40	33.58		25.235	274.3	.055	
									30	10.81	33.62		25.757	224.7	.080	
									50	10.51	33.67		25.848	216.0	.124	
									75	9.25	33.81		26.168	185.6	.175	
									100	8.78	33.86		26.282	174.8	.220	
									125	8.48	33.94		26.391	164.4	.263	
									150	8.25	33.99		26.465	157.4	.304	
									200	7.77	34.05		26.584	146.2	.381	
									250	7.26	34.05		26.657	139.2	.454	
									300	6.64	34.07		26.757	129.7	.524	
									400	6.00	34.14		26.896	116.6	.652	
									500	5.53	34.22		27.017	105.1	.768	

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CALCOFI CRUISE 6907

60060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 36.5N		123 37.5W		07/28/69	2139 GMT					3447M	340	23KT	2	340 06 04		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
1	13.45	33.547	6.42	.77	1.	.12	5.7	277.7								
11	13.43	33.546	6.35	.77	1.	.13	5.7	277.4								
30	11.17		6.00	1.13	9.	.10	7.0									
50	10.02	33.652	3.93	1.79	23.	.16	17.9	209.3								
78	9.31		3.32	2.01	31.	.14	24.3									
109	8.59		3.00	2.01	34.	.03	25.8									
153	8.25		2.79	2.13	40.	.02	27.5									
202	7.82		2.22	2.35	46.	.01	29.2									
251	7.38		1.64													
305	6.63		1.29													
402	5.97	34.111	1.04					118.4								
506	5.58	34.198	.53					107.3								

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

60070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 17.0N		124 21.0W		07/29/69	0232 GMT					4111M	330	20KT	2	320 05 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	13.58	33.35		25.021	294.7	0	
									10	13.56	33.36		25.033	293.6	.029	
									20	13.26	33.34		25.078	289.3	.059	
									30	11.57	33.46		25.495	249.5	.086	
									50	9.29	33.69		26.068	195.1	.130	
									75	8.92	33.81		26.221	180.6	.177	
									100	8.65	33.89		26.326	170.6	.222	
									125	8.41	33.97		26.425	161.2	.264	
									150	8.13	34.00		26.491	154.9	.304	
									200	7.48	34.03		26.610	143.7	.380	
									250	6.76	34.00		26.686	136.4	.452	
									300	6.28	34.06		26.797	125.9	.519	
									400	5.97	34.16		26.915	114.7	.644	
									500	5.45	34.23		27.035	103.4	.759	

BV DAVID STARR JORDAN

CALCOPI CRUISE 6907

60070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 17.0N		124 21.0W		07/29/69		0514 GMT			4111M	330	20KT	2	320 05 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	13.56	33.339	6.68	.50	0.	.12	5.5	295.1							
9	13.57	33.339	6.70	.50	0.	.11	5.4	295.3							
28	11.82	33.343	6.75	.80	2.	.16	6.9	262.6							
47	9.53		4.22	1.74	27.	.25	20.8								
75	8.95		3.30	1.90	32.	.00	24.2								
102	8.66		3.03	1.93	35.	.00	25.3								
146	8.21		2.66	2.18	41.	.00	27.2								
196	7.58		2.62	2.26	46.	.00	28.8								
245	6.86		2.47												
300	6.66	34.114	1.45					126.7							
399	5.97	34.165	.97					114.3							
504	5.46		.61												

BV DAVID STARR JORDAN

CALCOPI CRUISE 6907

60080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 56.5N		125 04.0W		07/29/69		0758 GMT			4493M	340	18KT		330 05 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	13.48	33.35											25.041	292.8	0
10	13.36	33.35											25.065	290.5	.029
20	11.19	33.39											25.510	248.1	.056
30	10.15	33.57											25.832	217.5	.079
50	9.53	33.64											25.990	202.5	.122
75	9.37	33.75											26.102	191.9	.171
100	8.66	33.83											26.277	175.2	.218
125	8.49	33.91											26.366	166.8	.261
150	8.22	33.97											26.454	158.5	.302
200	7.90	34.05											26.565	148.0	.380
250	7.32	34.07											26.664	138.6	.454
300	7.00	34.11											26.740	131.3	.523
400	6.15	34.17											26.900	116.1	.652
500	5.40	34.21											27.025	104.3	.768

BV DAVID STARR JORDAN

CALCOPI CRUISE 6907

60080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 56.5N		125 04.0W		07/29/69		0841 GMT			4493M	340	18KT		330 05 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	13.50	33.341	6.39	.58	2.	.01	5.1	293.8							
10	13.40	33.340	6.52	.58	3.	.02	5.1	292.0							
29	10.47	33.488	5.86	1.21	16.	.04	14.0	228.8							
50	9.61		4.73	1.60	26.	.13	21.3								
78	9.40		4.21	1.79	30.	.14	24.5								
107	8.77		3.56	1.90	33.	.00	26.7								
152	8.21		2.85	2.07	40.	.00	29.9								
202	7.94		2.10	2.29	46.	.00	33.0								
251	7.34		2.13												
306	6.98		1.55												
404	6.05	34.159	.96					115.8							
509	5.39	34.222	.66					103.3							

BV DAVID STARR JORDAN

CALCOPI CRUISE 6907

60090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 37.0N		125 47.0W		07/29/69		1309 GMT			4636M	340	17KT	2	350 05 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.85	32.82											24.129	379.7	0
10	15.85	32.82											24.129	379.7	.038
20	15.86	32.82											24.127	379.9	.076
30	15.86	32.82											24.127	379.9	.114
50	12.85	32.83											24.804	315.3	.184
75	10.98	32.86											25.137	283.6	.259
100	10.26	33.15											25.487	250.3	.326
125	9.48	33.48											25.874	213.6	.385
150	9.07	33.68											26.096	192.5	.436
200	8.46	33.93											26.386	164.9	.527
250	7.53	33.95											26.540	150.3	.608
300	6.95	33.98											26.645	140.4	.683
400	6.03	34.09											26.852	120.7	.818
500	5.46	34.19											27.002	106.5	.937

RV DAVID STARR JORDAN CALCOPI CRUISE 6907 60090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 37.0N		125 47.0W		07/29/69	1354 GMT					4636M	340	17KT	2	350 05 05		
Z	T	S	OZ	PO4	SI03	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD	
1	15.86	32.813	6.29	.30	2.	.00	.6	380.4								
11	15.85	32.811	6.30	.30	2.	.01	.0	380.3								
30	15.84	32.872	5.780	.30	2.	.01	.0	375.6								
48	12.56		6.48	.28	2.	.01	.0									
77	10.80		6.12	.33	3.	.02	.0									
106	10.01		5.46	.69	8.	.04	7.1									
150	9.03		4.75	1.24	21.	.01	17.8									
199	8.46		5.00	1.35	28.	.01	20.6									
250	7.59		4.32													
304	6.87		3.02													
402	6.01	34.085	1.56					120.8								
506	5.43	34.184	1.00					106.6								

RV DAVID STARR JORDAN CALCOPI CRUISE 6907 63052

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 19.0N		122 36.0W		07/28/69	0942 GMT					88M	310	02KT		320 02 05		
Z	T	S	OZ	PO4	SI03	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD	
									0	13.62	33.65		25.244	273.5	0	
									10	13.60	33.64		25.240	273.8	.027	
									20	11.91	33.64		25.572	242.3	.053	
									30	10.94	33.68		25.780	222.5	.077	
									50	10.04	33.75		25.991	202.4	.119	
									75	9.88	33.77		26.034	198.4	.170	

RV DAVID STARR JORDAN CALCOPI CRUISE 6907 63055

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 13.0N		122 50.0W		07/28/69	0745 GMT					270M	320	13KT		340 06 05		
Z	T	S	OZ	PO4	SI03	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD	
									0	14.20	33.47		24.985	298.1	0	
									10	14.17	33.47		24.991	297.5	.030	
									20	12.08	33.53		25.454	253.4	.057	
									30	11.77	33.52		25.579	241.6	.082	
									50	10.63	33.66		25.820	218.7	.128	
									75	9.75	33.76		26.048	197.1	.181	
									100	8.92	33.91		26.299	173.2	.227	
									125	8.66	33.93		26.356	167.8	.271	
									150	8.46	33.98		26.426	161.2	.312	
									200	7.98	34.06		26.561	148.4	.391	
									250	7.56	34.07		26.630	141.8	.466	

RV DAVID STARR JORDAN CALCOPI CRUISE 6907 63060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 03.0N		123 12.0W		07/28/69	0455 GMT					2503M	320	20KT		330 06 05		
Z	T	S	OZ	PO4	SI03	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD	
									0	14.18	33.33		24.882	307.9	0	
									10	14.00	33.32		24.911	305.1	.031	
									20	11.20	33.31		25.447	254.2	.059	
									30	10.40	33.30		25.580	241.5	.084	
									50	9.65	33.57		25.916	209.5	.129	
									75	9.05	33.72		26.130	189.2	.179	
									100	8.81	33.90		26.309	172.3	.225	
									125	8.45	33.97		26.419	161.8	.267	
									150	8.13	33.98		26.476	156.4	.307	
									200	7.74	34.04		26.580	146.5	.384	
									250	7.48	34.14		26.696	135.5	.457	
									300	7.05	34.16		26.772	128.3	.525	
									400	6.25	34.21		26.919	114.4	.651	
									500	5.76	34.26		27.020	104.7	.767	

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

63070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
36 42.5N		123 55.0W		07/27/69	2345	GMT	3967M	330	16KT	1	340 04 05				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.93	33.09		24.538	340.7	0
									10	14.93	33.09		24.538	340.7	.034
									20	13.46	33.02		24.791	316.6	.067
									30	11.40	33.23		25.348	263.5	.096
									50	11.07	33.34		25.493	249.7	.148
									75	9.65	33.57		25.916	209.5	.205
									100	9.16	33.76		26.144	187.9	.255
									125	8.74	33.87		26.296	173.4	.301
									150	8.54	33.95		26.390	164.6	.344
									200	7.96	34.03		26.540	150.3	.424
									250	7.44	34.06		26.639	140.9	.499
									300	6.86	34.09		26.743	131.0	.569
									400	5.87	34.12		26.896	116.5	.698
									500	5.26	34.22		27.049	102.0	.812

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

63080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
36 23.0N		124 38.0W		07/27/69	1739	GMT	4111M	310	20KT	2	360 06 05				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.39	32.91		24.300	363.4	0
									10	15.37	32.91		24.304	362.9	.036
									20	15.35	32.91		24.309	362.5	.073
									30	12.85	33.00		24.897	306.5	.106
									50	11.03	33.03		25.260	271.9	.164
									75	9.72	33.34		25.725	227.7	.227
									100	9.16	33.61		26.027	199.0	.281
									125	8.81	33.79		26.223	180.4	.329
									150	8.41	33.88		26.355	167.9	.373
									200	7.75	33.96		26.516	152.6	.454
									250	7.12	33.99		26.629	141.9	.530
									300	6.81	34.07		26.734	131.9	.600
									400	6.08	34.15		26.893	116.8	.730
									500	5.00	34.21		27.072	99.9	.843

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

63090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
36 03.0N		125 20.0W		07/27/69	1104	GMT	4787M	330	15KT						
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.97	32.82		24.102	382.2	0
									10	15.97	32.81		24.094	382.9	.038
									20	15.96	32.80		24.089	383.5	.077
									30	15.71	32.81		24.152	377.4	.115
									50	12.62	32.84		24.818	314.0	.184
									75	11.54	32.91		25.075	289.5	.260
									100	10.51	32.99		25.320	266.2	.330
									125	9.53	33.28		25.710	229.1	.392
									150	9.02	33.64		26.073	194.7	.446
									200	8.40	33.90		26.372	166.2	.538
									250	7.62	33.95		26.527	151.5	.619
									300	6.74	33.98		26.673	137.7	.693
									400	5.90	34.06		26.845	121.4	.828
									500	5.33	34.14		26.978	108.8	.948

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

67050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
36 48.0N		122 05.0W		07/26/69	0912	GMT	104M	310	05KT						
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.08	33.55		25.072	289.8	0
10			6.37	.72	2.	.09	5.7		10	13.18	33.55		25.256	272.3	.028
30			6.62	.80	2.	.09	6.5		20	11.70	33.59		25.572	242.2	.054
50			5.39	1.19	11.	.07	12.9		30	11.18	33.59		25.667	233.2	.078
80			4.72	1.41	18.	.09	16.8		50	10.36	33.65		25.859	215.0	.123
			4.36	1.60	22.	.11	18.6		75	10.03	33.71		25.962	205.2	.176

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

67055

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 39.5N		122 26.5W		07/26/69	1148	GMT		2316M	340	02KT					
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.44	33.43		24.688	326.4	0
									10	13.89	33.43		25.019	294.9	.031
									20	12.59	33.47		25.310	267.2	.059
									30	11.14	33.53		25.628	236.9	.084
									50	10.68	33.68		25.826	218.1	.130
									75	9.88	33.73		26.003	201.3	.183
									100	9.61	33.90		26.180	184.5	.232
									125	9.29	33.97		26.287	174.3	.277
									150	9.14	34.05		26.373	166.1	.320
									200	7.89	33.98		26.511	153.0	.402
									250	7.28	33.99		26.607	144.0	.478
									300	6.62	34.03		26.729	132.4	.549
									400	6.40	34.14		26.844	121.5	.681
									500	5.97	34.25		26.986	108.0	.802

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

67060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 28.0N		122 48.0W		07/26/69	1420	GMT		2974M	320	02KT	2				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.86	33.33		24.737	321.7	0
									10	13.06	33.34		24.935	302.8	.031
									20	12.27	33.31		25.258	272.1	.060
									30	12.57	33.57		25.401	258.5	.087
									50	9.89	33.63		25.923	208.9	.134
									75	9.47	33.74		26.085	193.5	.184
									100	8.99	33.83		26.227	180.0	.231
									125	8.67	33.92		26.352	168.1	.275
									150	8.39	33.98		26.438	160.0	.317
									200	7.77	34.02		26.560	148.4	.396
									250	7.17	34.04		26.661	138.8	.469
									300	6.81	34.10		26.758	129.6	.538
									400	6.06	34.18		26.920	114.3	.665
									500	5.40	34.21		27.015	105.2	.781

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

67070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 08.0N		123 29.5W		07/26/69	1918	GMT		3683M	330	09KT	2				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.96	32.81		24.097	382.7	0
									10	15.87	32.81		24.117	380.8	.038
									20	15.23	32.81		24.258	367.3	.076
									30	12.99	32.70		24.638	331.2	.111
									50	10.42	33.03		25.366	261.8	.170
									75	10.02	33.59		25.870	213.9	.230
									100	9.44	33.80		26.130	189.2	.281
									125	9.15	33.90		26.255	177.4	.327
									150	8.99	33.96		26.327	170.5	.371
									200	8.44	34.02		26.460	157.9	.455
									250	8.05	34.11		26.589	145.6	.533
									300	7.71	34.18		26.694	135.7	.605
									400	6.72	34.15		26.810	124.7	.741
									500	6.16	34.23		26.946	111.8	.866

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

67080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 48.0N		124 12.0W		07/27/69	0114	GMT		4063M	330	08KT	2				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.51	33.28		24.557	338.8	0
									10	15.44	33.27		24.565	338.1	.034
									20	13.42	33.29		25.007	296.0	.066
									30	12.22	33.48		25.389	259.6	.093
									50	10.18	33.67		25.905	210.6	.141
									75	9.37	33.81		26.149	187.4	.191
									100	9.03	33.92		26.290	174.1	.236
									125	8.70	33.95		26.365	166.9	.279
									150	8.45	33.98		26.427	161.0	.321
									200	7.85	34.04		26.564	148.0	.400
									250	7.44	34.11		26.678	137.2	.473
									300	6.98	34.14		26.766	128.8	.542
									400	5.98	34.16		26.914	114.8	.668
									500	5.37	34.24		27.052	101.7	.782

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

67080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 48.0N		124 12.5W		07/29/69		2356 GMT			4063M	330	08KT	2	310 04 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
98	8.926	33.912		1.93	31.	.00	28.8	173.1							
948	3.919	34.449		3.15	123.	.00	48.3	70.8							
997	3.791	34.464			128.	.00	48.1	68.4							
1045	3.662	34.482			132.	.00	47.5	65.8							
1882	2.134	34.603		3.04	171.	.00	45.3	43.7							
1981	2.039	34.614		2.98	172.	.00	44.8	42.1							
2080	1.970	34.622		2.98	172.	.00	44.0	41.0							
2822	1.658	34.656		2.76	174.	.00	42.3	36.2							
2971	1.631	34.650U		2.73	174.	.01	41.8								
3119	1.597	34.658		2.48U	174.	.00	41.8	35.6							
3714	1.513	34.673		2.65	176.	.00	40.1	33.9							
3814	1.506	34.674		2.65	177.	.00	40.1	33.7							

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

67090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 28.0N		124 55.0W		07/27/69		0546 GMT			4499M	330	20KT				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.90	32.96		24.225	370.5	0
									10	15.90	32.96		24.225	370.5	.037
									20	15.53	32.78		24.169	375.8	.074
									30	14.92	32.90		24.394	354.4	.111
									50	12.03	32.93		25.000	296.7	.176
									75	10.49	33.04		25.362	262.2	.246
									100	10.05	33.36		25.686	231.4	.309
									125	9.27	33.61		26.009	200.7	.363
									150	8.74	33.79		26.234	179.4	.411
									200	8.12	33.99		26.485	155.5	.497
									250	7.43	34.02		26.609	143.8	.573
									300	6.95	34.06		26.708	134.4	.645
									400	5.77	34.07		26.869	119.1	.777
									500	5.30	34.19		27.021	104.7	.894

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

70053

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 06.5N		121 54.0W		07/25/69		2358 GMT			1036M	310	07KT	2	310 01 03		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.83	33.39		24.570	337.6	0
									10	15.44	33.39		24.657	329.3	.033
									20	14.05	33.41		24.970	299.5	.065
									30	12.56	33.45		25.301	268.1	.093
									50	10.27	33.52		25.773	223.1	.143
									75	10.13	33.79		26.007	200.9	.196
									100	9.25	33.77		26.137	188.5	.245
									125	8.75	33.90		26.318	171.4	.291
									150	8.24	33.93		26.420	161.7	.333
									200	8.52	34.15		26.549	149.4	.412
									250	8.31	34.21		26.628	141.9	.487
									300	7.80	34.19		26.689	136.2	.559
									400	6.39	34.09		26.806	125.1	.695
									500	5.72	34.14		26.931	113.3	.820

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

70053

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 06.5N		121 54.0W		07/26/69		0055 GMT			1036M	310	07KT	2	310 01 03		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.60	33.390	6.29	.39	3.	.00	1.4	332.7							
10	14.45	33.416	6.40	.30	4.	.00	3.1	307.0							
29	11.73		6.07	.88	9.	.17	9.6								
49	10.30	33.561	4.77	1.24	18.	.25	16.1	220.6							
78	10.04		3.45	1.71	26.	.00	23.1								
107	9.24		2.95	1.85	32.	.00	26.2								
151	8.22		3.26	1.85	37.	.00	27.8								
199	8.47		2.11	2.21	43.	.00	31.0								
248	8.38		1.46												
300	7.63		1.34												
397	6.07	34.053	1.46					123.9							
500	5.60	34.158	.69					110.5							

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

70060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 52.5N		122 23.0W		07/25/69	1934 GMT				3306M	320	08KT	5	300 01 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	15.67	33.29		24.538	340.7	0
10									10	14.58	33.27		24.760	319.6	.033
20									20	13.05	33.34		25.120	285.3	.063
30									30	12.10	33.39		25.342	264.1	.091
40									40	11.15	33.49		25.595	240.0	.141
50									50	10.47	33.56		25.766	223.8	.200
60									60	9.50	33.76		26.076	194.4	.252
70									70	9.50	33.97		26.244	178.4	.300
80									80	9.10	34.08		26.390	164.5	.343
90									90	8.30	34.06		26.506	153.5	.424
100									100	7.75	34.04		26.636	141.2	.500
110									110	7.25	34.12		26.713	133.9	.571
120									120	6.30	34.17		26.876	118.5	.702
130									130	5.50	34.20		27.005	106.2	.820

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

70060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 52.5N		122 23.0W		07/25/69	2046 GMT				3306M	320	08KT	5	300 01 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	15.74	33.283	6.20	.44	1.	.00	1.3	343.5							
12	13.96	33.264	6.32	.39	4.	.00	1.5	308.4							
30	11.65	33.428	5.57	.91	10.	.16	9.2	253.7							
50	10.87		5.03	1.10	15.	.25	13.6								
78	10.11		4.58	1.44	21.	.41	19.3								
106	9.45		3.52	1.66	27.	.60	23.4								
150	9.11		2.17	2.13	38.	.80	28.1								
200	8.45		2.45	2.21	43.	.80	30.4								
249	7.23		2.69												
303	7.15		1.49												
402	6.25	34.172	1.06					117.2							
504	5.43	34.204	.77					105.1							

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

70070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 33.0N		123 06.0W		07/25/69	1320 GMT				3919M	310	04KT	5	270 03 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.44	33.228	6.07	.41	1.	.01	.9	341.2	0	15.44	33.228	6.07	24.533	341.2	0
10	15.08	33.275	6.42	.44	1.	.02	1.5	330.2	10	15.08	33.275	6.42	24.647	330.2	.034
29	13.03	33.235	6.04	.55	1.	.07	2.1	292.6	20	14.17	33.229	6.25	24.815	314.3	.066
39	11.87	33.431	6.19	.83	5.	.16	7.3	257.0	30	12.97	33.253	6.06	25.080	289.0	.096
53	10.86	33.591	4.94	1.21	15.	.26	15.4	227.7	50	11.07	33.567	5.26	25.676	232.4	.148
68	10.11	33.662	4.22	1.44	21.	.47	20.0	210.1	75	9.84	33.687	4.02	25.976	203.9	.203
92	9.33	33.742	3.72	1.57	26.	.60	22.5	191.8	100	9.17	33.771	3.65	26.157	186.6	.253
111	8.91	33.813	3.55	1.66	29.	.60	23.5	180.2	125	8.75	33.873	3.25	26.296	173.5	.298
131	8.70	33.896	3.15	1.79	31.	.60	25.8	170.9	150	8.47	33.944	3.25	26.404	163.3	.341
150	8.42	33.944	3.25	1.77	35.	.60	26.2	163.3	200	7.97	34.024	2.70	26.542	150.1	.421
179	8.16	34.022	2.93	2.04	42.	.60	29.7	153.7	250	7.27	34.071	2.21	26.672	137.8	.494
213	7.75	34.021	2.56	2.21	47.	.60	31.8	148.0	300	6.47	34.062	1.99	26.779	127.6	.563
243	7.40	34.071	2.25					139.6	400	5.86	34.164	1.19	26.931	113.2	.688
291	6.53	34.059	2.02					129.1	500	5.60	34.291	.78	27.054	101.6	.801
345	6.07	34.092	1.79					121.0	600	5.17	34.323	.63	27.146	92.8	.905
429	5.81	34.206	.89					109.4							
512	5.66	34.302	.76					100.4							
596	5.15	34.322	.64					93.1							

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

70080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 12.5N		123 47.5W		07/25/69	0820 GMT				4207M	270	10KT	5			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.46	32.865	5.86	.30	2.	.00	.0	378.7	0	15.46	32.865	5.86	24.139	378.7	0
10	15.33	32.875	5.97	.36	2.	.00	.0	364.7	10	15.33	32.875	5.97	24.286	364.7	.037
29	13.86	33.061	6.41	.41	1.	.00	.6	321.3	20	14.77	32.987	6.24	24.503	344.0	.073
39	12.16	33.009	6.27	.44	2.	.00	1.5	293.2	30	13.69	33.059	6.40	24.773	318.3	.106
51	10.67	32.894	6.11	.44	4.	.21	1.6	276.0	50	10.77	32.899	6.13	25.204	277.3	.166
66	9.88	33.226	5.15	.97	13.	.13	11.5	238.6	75	9.54	33.375	4.84	25.783	222.2	.228
89	9.22	33.565	4.43	1.24	20.	.00	17.6	203.3	100	9.24	33.715	3.86	26.096	192.5	.281
109	9.27	33.812	3.40	1.82	31.	.00	25.8	185.7	125	8.98	33.883	2.93	26.268	176.2	.327
128	8.42	33.840	2.87	1.88	35.	.00	27.6	174.6	150	8.60	33.985	2.50	26.394	164.2	.370
146	8.75	33.974	2.56	2.04	39.	.00	29.7	165.9	200	7.93	34.018	2.34	26.535	150.8	.451
173	8.31	34.017	2.26	2.15	42.	.00	30.6	156.3	250	7.37	34.035	2.14	26.636	141.2	.526
207	7.84	34.016	2.37	2.15	45.	.00	31.5	149.7	300	6.75	34.063	1.68	26.737	131.7	.596
235	7.53	34.031	2.24					144.3	400	6.07	34.143	.91	26.889	117.2	.725
282	6.91	34.047	1.88					134.9	500	5.44	34.208	.60	27.018	104.9	.842
335	6.50	34.096	1.30					126.0	600	5.07	34.276	.46	27.116	95.7	.949
417	5.96	34.153	.85					115.1							
500	5.44	34.208	.60					104.9							
581	5.10	34.273	.47					96.3							

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

70090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
34 53.0N		124 30.0W		07/25/69		0143 GMT		4404M		310		10KT		2		290 04 05	
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
0									0	16.65	32.84		23.962	395.5	0		
10									10	15.92	32.83		24.121	380.4	.039		
20									20	15.64	32.84		24.191	373.7	.077		
30									30	15.60	32.84		24.200	372.9	.114		
50									50	14.45	32.87		24.471	347.0	.186		
75									75	11.98	32.82		24.924	303.9	.268		
100									100	10.57	32.85		25.201	277.6	.341		
125									125	9.76	33.29		25.680	232.0	.405		
150									150	9.33	33.53		25.937	207.5	.461		
200									200	8.64	33.86		26.304	172.7	.558		
250									250	7.81	33.95		26.499	154.2	.641		
300									300	7.22	34.04		26.645	140.4	.717		
400									400	6.39	34.09		26.806	125.1	.855		
500									500	5.34	34.10		26.945	111.9	.979		

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

70090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
34 53.0N		124 30.0W		07/25/69		0238 GMT		4404M		310		10KT		2		290 04 05	
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
0	16.68	32.847	5.87	.28	2.	.00	.0	395.7									
10	15.92	32.841	5.86	.28	2.	.00	.0	379.6									
30	15.61	32.841	6.01	.33	1.	.00	.0	373.0									
50	15.20		6.00	.30	1.	.00	.0										
78	11.81		6.50	.36	2.	.00	.0										
106	10.21		5.65	.80	9.	.00	6.9										
151	9.20		4.64	1.27	19.	.00	17.2										
201	8.43		3.83	1.66	31.	.00	24.3										
250	7.70		3.27														
303	7.21		2.22														
402	6.16	34.092	1.36					122.1									
506	5.27	34.110	1.01					110.4									

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

73053

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
35 31.5N		121 28.5W		07/23/69		2322 GMT		759M		280		03KT		2		260 01 05	
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
0									0	16.21	33.38		24.476	346.5	0		
10									10	14.33	33.38		24.889	307.3	.033		
20									20	13.48	33.53		25.180	279.6	.062		
30									30	12.74	33.57		25.358	262.6	.089		
50									50	11.59	33.72		25.693	230.7	.139		
75									75	10.49	33.84		25.984	203.1	.193		
100									100	10.03	33.86		26.078	194.1	.243		
125									125	9.62	33.95		26.217	181.0	.291		
150									150	9.43	34.02		26.303	172.8	.336		
200									200	8.96	34.14		26.472	156.7	.420		
250									250	8.43	34.19		26.594	145.1	.497		
300									300	8.15	34.21		26.653	139.6	.571		
400									400	7.36	34.23		26.784	127.2	.710		
500									500	6.29	34.22		26.921	114.1	.838		

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

73060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
35 17.5N		121 58.0W		07/24/69		0254 GMT		2503M		280		06KT		1		260 01 05	
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
0									0	15.95	33.41		24.558	338.7	0		
10									10	14.85	33.35		24.755	320.0	.033		
20									20	14.08	33.38		24.941	302.3	.064		
30									30	13.61	33.49		25.123	285.0	.094		
50									50	10.55	33.73		25.888	212.2	.143		
75									75	9.60	33.77		26.080	194.0	.195		
100									100	9.19	33.87		26.225	180.2	.242		
125									125	8.75	33.88		26.303	172.9	.286		
150									150	8.24	33.95		26.436	160.2	.329		
200									200	7.50	33.99		26.576	146.9	.407		
250									250	6.91	34.01		26.674	137.6	.480		
300									300	6.23	34.02		26.772	128.3	.548		
400									400	5.56	34.08		26.903	115.9	.675		
500									500	5.13	34.17		27.025	104.3	.790		

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

73070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 57.5N		122 38.0W		07/24/69	0758	GMT		4303M	260	03KT					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.20	33.02		24.426	351.4	0
									10	14.40	33.01		24.589	335.8	.034
									20	13.22	33.02		24.839	312.0	.067
									30	13.09	33.03		24.872	308.8	.098
									50	11.50	33.10		25.229	274.8	.156
									75	9.90	33.23		25.610	238.6	.221
									100	9.61	33.65		25.985	203.0	.277
									125	8.97	33.78		26.190	183.6	.325
									150	8.60	33.90		26.341	169.2	.370
									200	7.74	33.94		26.502	153.9	.452
									250	7.28	34.01		26.622	142.5	.528
									300	6.76	34.03		26.710	134.2	.600
									400	5.98	34.13		26.895	116.6	.730
									500	5.63	34.26		27.036	103.2	.845

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

73080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 38.0N		123 21.0W		07/24/69	1225	GMT		4309M	230	05KT					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.58	32.89		24.243	368.8	0
									10	15.28	32.88		24.301	363.3	.037
									20	15.06	32.91		24.372	356.5	.073
									30	14.84	32.91		24.419	352.0	.108
									50	12.19	32.79		24.861	309.9	.175
									75	10.42	32.78		25.172	280.3	.249
									100	10.46	33.27		25.546	244.7	.315
									125	9.28	33.57		25.976	203.8	.371
									150	8.91	33.80		26.215	181.2	.420
									200	8.17	33.96		26.454	158.5	.507
									250	7.50	34.03		26.607	144.0	.584
									300	7.00	34.05		26.693	135.8	.656
									400	6.73	34.13		26.871	118.9	.788
									500	5.59	34.20		26.994	107.3	.907

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

73090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 18.5N		124 04.0W		07/24/69	1907	GMT		3169M	240	08KT	2				
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.04	32.84		24.102	382.3	0
									10	15.75	32.84		24.166	376.1	.038
									20	15.64	32.82		24.176	375.2	.076
									30	15.44	32.93		24.304	363.0	.113
									50	14.92	33.46		24.824	313.4	.180
									75	13.63	33.44		25.080	289.1	.256
									100	11.29	33.32		25.438	255.0	.325
									125	10.28	33.40		25.678	232.2	.386
									150	9.67	33.62		25.952	206.2	.442
									200	8.86	33.94		26.332	170.0	.537
									250	8.28	34.01		26.476	156.3	.621
									300	7.78	34.07		26.598	144.8	.699
									400	6.88	34.13		26.772	128.3	.841
									500	6.36	34.22		26.912	115.0	.969

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

77051

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 02.0N		120 56.5W		07/23/69	1534	GMT		264M	300	02KT	2				
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.67	33.65		24.805	315.2	0
									10	15.07	33.65		24.938	302.6	.031
									20	13.98	33.66		25.177	279.8	.060
									30	12.22	33.58		25.466	252.3	.087
									50	10.66	33.68		25.830	217.8	.134
									75	9.87	33.84		26.090	193.0	.186
									100	9.64	33.96		26.222	180.5	.233
									125	9.45	34.01		26.292	173.9	.278
									150	9.29	34.05		26.349	168.4	.321
									200	9.03	34.12		26.446	159.3	.405

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

77055

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 55.0N		121 13.0W		07/23/69	1319 GMT				584M	320	03KT	2	330 03 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.34	33.64		24.871	309.0	0
									10	13.97	33.60		25.133	284.0	.030
									20	13.26	33.58		25.263	271.7	.057
									30	11.64	33.60		25.591	240.4	.083
									50	10.52	33.63		25.815	219.1	.129
									75	9.67	33.77		26.069	195.1	.181
									100	8.99	33.79		26.194	183.1	.229
									125	8.50	33.88		26.341	169.2	.274
									150	8.52	34.02		26.448	159.1	.315
									200	8.74	34.20		26.554	149.0	.394
									250	8.01	34.20		26.666	138.4	.468
									300	7.66	34.21		26.725	132.8	.538
									400	6.83	34.20		26.826	123.2	.671
									500	6.08	34.21		26.941	112.3	.795

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

77060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 42.5N		121 34.5W		07/23/69	1014 GMT				981M	290	03KT		300 03 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.46	33.62		25.046	292.3	0
									10	14.15	33.62		25.111	286.1	.029
									20	12.74	33.59		25.374	261.1	.056
									30	11.47	33.63		25.646	235.3	.081
									50	10.20	33.85		26.042	197.6	.125
									75	9.38	33.90		26.218	180.9	.172
									100	8.69	33.92		26.343	169.0	.216
									125	8.79	34.17		26.523	151.9	.257
									150	8.60	34.18		26.560	148.4	.295
									200	8.25	34.20		26.630	141.8	.369
									250	7.78	34.21		26.708	134.4	.440
									300	7.57	34.23		26.754	130.0	.509
									400	6.88	34.23		26.851	120.8	.640
									500	5.57	34.24		27.028	104.0	.758

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

77070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 24.0N		122 16.0W		07/23/69	0519 GMT				411M	310	09KT	2	330 03 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.15	33.13		24.299	363.5	0
									10	16.04	33.12		24.316	361.8	.036
									20	15.10	33.09		24.501	344.2	.072
									30	14.24	33.06		24.661	328.9	.105
									50	12.83	33.12		24.993	297.3	.168
									75	11.18	33.32		25.458	253.1	.237
									100	9.98	33.49		25.799	220.7	.297
									125	9.33	33.65		26.031	198.7	.350
									150	8.88	33.80		26.220	180.7	.398
									200	8.28	33.97		26.445	159.3	.485
									250	7.60	34.05		26.608	143.8	.562
									300	7.05	34.10		26.725	132.7	.634
									400	5.87	34.09		26.873	118.8	.764
									500	5.42	34.19		27.007	106.1	.882

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

77080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 04.0N		122 57.0W		07/23/69	0005 GMT				4309M	320	03KT	2	330 04 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.96	33.10		24.319	361.6	0
									10	15.74	33.11		24.376	356.1	.036
									20	15.68	33.11		24.389	354.9	.071
									30	15.66	33.11		24.393	354.4	.107
									50	14.47	33.30		24.798	315.9	.174
									75	13.41	33.33		25.040	292.9	.251
									100	11.64	33.41		25.444	254.4	.320
									125	10.21	33.48		25.752	225.1	.380
									150	9.28	33.71		26.086	193.4	.433
									200	8.46	33.92		26.379	165.6	.525
									250	7.64	33.99		26.550	149.4	.605
									300	7.09	34.04		26.673	137.7	.679
									400	6.01	34.09		26.855	120.4	.813
									500	5.44	34.17		26.988	107.8	.933

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

77090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 43.0N		123 39.0W		07/22/69		1738 GMT			4499M	350	12KT	2	340 08 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	15.85	33.04		24.297	363.6	0
10									10	15.85	33.04		24.297	363.6	.036
20									20	15.85	33.06		24.313	362.1	.073
30									30	15.73	33.10		24.370	356.7	.109
50									50	14.26	32.96		24.580	336.6	.178
75									75	12.62	32.96		24.910	305.2	.259
100									100	11.25	33.22		25.368	261.7	.330
125									125	10.32	33.45		25.710	229.1	.392
150									150	9.56	33.62		25.970	204.4	.447
200									200	8.75	33.88		26.303	172.9	.543
250									250	7.75	33.97		26.524	151.8	.626
300									300	7.27	34.01		26.624	142.3	.702
400									400	6.18	34.08		26.825	123.2	.840
500									500	5.71	34.18		26.963	110.1	.962

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

80052

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 24.5N		120 36.5W		07/21/69		0925 GMT			303M	310	10KT				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	15.78	33.60		24.742	321.2	0
10									10	15.75	33.59		24.741	321.3	.032
20									20	13.39	33.56		25.221	275.6	.062
30									30	12.23	33.58		25.465	252.5	.088
50									50	10.80	33.64		25.774	223.0	.136
75									75	9.87	33.84		26.090	193.0	.189
100									100	9.71	33.95		26.202	182.4	.236
125									125	9.50	34.02		26.292	173.9	.281
150									150	9.21	34.04		26.354	167.9	.324
200									200	9.02	34.13		26.455	158.4	.408
250									250	8.74	34.19		26.546	149.7	.487

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

80052

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 24.5N		120 36.5W		07/21/69		0956 GMT			303M	310	10KT				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.52	.22	0.	.00	.0		0	15.78	33.61		24.750	320.5	0
10			6.50	.22	0.	.00	.0		10	15.66	33.59		24.761	319.4	.032
30			5.89	.55	5.	.00	3.4		20	14.46	33.56		25.000	296.7	.063
50			4.26	1.24	19.	.00	15.9		30	12.61	33.59		25.399	258.7	.091
80			3.06	1.68	27.	.00	23.1		50	10.78	33.66		25.793	221.2	.139
110			2.75	1.82	31.	.00	25.3		75	9.94	33.84		26.078	194.2	.191
150			2.40	1.99	36.	.00	27.7		100	9.74	33.91		26.166	185.8	.239
200			2.20	2.10	40.	.00	29.6		125	9.52	34.01		26.280	174.9	.285
250			1.49						150	9.28	34.03		26.335	169.7	.328
									200	9.05	34.12		26.443	159.6	.413
									250	8.85	34.18		26.521	152.1	.493

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

80055

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 19.0N		120 48.0W		07/21/69		1258 GMT			796M	310	12KT	2	310 03 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.29	.14	0.	.00	.0		0	16.35	33.60		24.613	333.5	0
10				.19	1.	.00	.0		10	15.25	33.58		24.844	311.5	.032
30			3.83	1.35	21.	.00	18.6		20	10.80	33.64		25.774	223.0	.059
50			3.26	1.66	28.	.00	23.5		30	10.50	33.74		25.904	210.7	.081
80			3.02	1.77	31.	.00	25.3		50	9.71	33.89		26.156	186.8	.121
110			2.70	1.93	35.	.00	27.5		75	9.55	33.95		26.229	179.9	.167
150			2.15	2.15	41.	.00	30.2		100	9.22	34.03		26.345	168.8	.211
200			1.65	2.35	47.	.00	32.2		125	9.13	34.10		26.414	162.3	.253
250			1.33						150	8.95	34.15		26.482	155.8	.293
300			1.15						200	8.62	34.21		26.581	146.5	.370
500			.72						250	8.25	34.25		26.669	138.1	.444
									300	7.99	34.27		26.724	132.9	.514
									400	7.15	34.25		26.801	125.6	.649
									500	6.36	34.26		26.944	112.0	.774

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

80060

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S					O2	SIGT	DT	DD
0			6.63	.55	1.	.00	.0			0	15.12	33.58	2	24.873	308.8	0			
10			6.59	.36	1.	.00	.0			10	15.06	33.58	2	24.886	307.5	.031			
30			5.64	.77	6.	.00	6.5			20	14.14	33.52	2	25.036	293.2	.061			
50			5.02	1.10	12.	.00	13.0			30	13.11	33.49	2	25.223	275.4	.089			
80			4.40	1.30	19.	.00	17.7			50	10.75	33.39	2	25.589	240.7	.141			
110			3.390	1.790	30.0	.00	24.20			75	9.64	33.51	2	25.871	213.8	.198			
150			3.66	1.63	32.	.00	24.9			100	9.25	33.78	2	26.145	187.8	.249			
200			3.09	1.96	43.	.00	29.6			125	8.83	33.87	2	26.282	174.8	.295			
250			2.50							150	8.39	33.91	2	26.381	165.4	.338			
300			1.15							200	7.83	33.97	2	26.512	153.0	.419			
400			.85							250	7.02	33.99	2	26.643	140.5	.494			
500			.69							300	6.62	34.06	2	26.752	130.2	.564			
										400	6.11	34.19	2	26.921	114.2	.691			
										500	5.32	34.21	2	27.034	103.4	.805			

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

80070

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S					O2	SIGT	DT	DD
0										0	16.86	33.13	2	24.228	370.2	0			
10										10	16.19	33.11	2	24.274	365.8	.037			
20										20	15.80	33.12	2	24.370	356.7	.073			
30										30	15.75	33.11	2	24.373	356.3	.109			
50										50	13.15	33.15	2	24.913	304.9	.175			
75										75	12.20	33.28	2	25.238	274.0	.248			
100										100	10.83	33.35	2	25.544	245.0	.313			
125										125	9.96	33.53	2	25.833	217.4	.372			
150										150	9.24	33.72	2	26.100	192.1	.423			
200										200	8.63	33.96	2	26.384	165.1	.514			
250										250	8.13	34.09	2	26.562	148.3	.595			
300										300	7.31	34.11	2	26.697	135.4	.668			
400										400	6.41	34.16	2	26.859	120.1	.801			
500										500	5.90	34.24	2	26.987	107.9	.921			

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

80070

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S					O2	SIGT	DT	DD
10										0	16.62	33.14	2	24.199	373.0	0			
30										10	16.35	33.13	2	24.253	367.8	.037			
50										20	15.81	33.12	2	24.368	356.9	.073			
80										30	15.75	33.12	2	24.381	355.6	.109			
110										50	12.96	32.98	2	24.860	310.0	.176			
150										75	13.03	33.39	2	25.162	281.2	.250			
200										100	10.81	33.36	2	25.555	243.9	.316			
250										125	9.99	33.53	2	25.828	217.9	.375			
300										150	9.29	33.70	2	26.076	194.3	.427			
400										200	8.58	33.97	2	26.399	163.7	.518			
500										250	8.08	34.07	2	26.553	149.0	.598			
										300	7.40	34.14	2	26.708	134.4	.671			
										400	6.51	34.19	2	26.869	119.1	.803			
										500	5.86	34.27	2	27.016	105.2	.921			

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

80080

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S					O2	SIGT	DT	DD
0										0	16.18	33.11	2	24.277	365.6	0			
10										10	16.12	33.10	2	24.283	365.0	.037			
20										20	15.69	33.09	2	24.371	356.5	.073			
30										30	15.63	33.09	2	24.385	355.3	.108			
50										50	13.84	33.25	2	24.891	307.1	.175			
75										75	12.60	33.28	2	25.161	281.3	.249			
100										100	11.47	33.36	2	25.436	255.2	.316			
125										125	10.27	33.60	2	25.835	217.2	.376			
150										150	9.76	33.71	2	26.007	200.9	.429			
200										200	9.11	34.09	2	26.409	162.7	.522			
250										250	8.31	34.14	2	26.513	152.8	.603			
300										300	8.31	34.17	2	26.597	144.9	.679			
400										400	7.33	34.17	2	26.741	131.2	.823			
500										500	6.40	34.22	2	26.907	115.5	.953			

A) THE OXYGEN SAMPLES AT 400 AND 500 METERS APPEAR TO HAVE BEEN REVERSED. THEY ARE ASSUMED TO NOW BE IN THE CORRECT ORDER.

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

80080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
33 29.0N		122 32.0W		07/22/69		0605 GMT		4213M	330	10KT		330 04 06			
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	16.12	33.108	5.74	.30	2.	.00	.0	364.4							
10	16.12	33.108	5.78	.30	2.	.00	.0	364.4							
30	15.58	33.107	5.85	.30	2.	.00	.0	353.0							
49	13.58		6.19	.28	2.	.00	.0								
78	12.40		5.93	.39	4.	.01	.2								
107	10.55		4.96	1.05	13.	.04	11.6								
152	9.72		3.05	1.77	28.	.00	23.4								
201	9.08		2.08	2.18	39.	.03	29.2								
251	8.75		1.91												
305	8.37		1.56												
405	7.30	34.221	1.04					127.0							
507	6.31	34.232	.70					113.5							

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

80090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
33 09.0N		123 13.0W		07/22/69		1003 GMT		4404M	330	11KT		330 04 05			
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.99	33.07											24.289	364.4	0
10	15.99	33.07											24.289	364.4	.036
20	15.98	33.07											24.291	364.2	.073
30	15.73	33.09											24.363	357.4	.109
50	15.55	33.11											24.418	352.1	.180
75	12.66	33.13											25.034	293.4	.261
100	12.19	33.44											25.364	262.0	.331
125	10.36	33.43											25.688	231.3	.394
150	9.55	33.61											25.964	205.0	.449
200	8.73	33.89											26.313	171.8	.545
250	7.76	33.97											26.522	152.0	.628
300	7.05	34.01											26.655	139.4	.703
400	6.16	34.10											26.844	121.5	.838
500	5.71	34.20											26.979	108.6	.959

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

80090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
33 09.0N		123 13.0W		07/22/69		1127 GMT		4404M	330	11KT		330 04 05			
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
2	15.96	33.072	5.64	.30	2.	.00	.0	363.6							
11	15.97	33.075	5.61	.28	2.	.00	.0	363.6							
30	15.94		5.440	.30	2.	.00	.0								
46	15.59	33.111	5.73	.33	2.	.00	.0	352.9							
74	12.50		5.74	.28	3.	.00	.0								
103	12.15		5.48	.39	5.	.13	1.2								
146	9.65		4.56	.97	14.	.00	12.7								
194	8.82		3.86	1.46	27.	.01	21.8								
244	8.00		3.21												
298	7.10		2.40												
396	6.31	34.098	1.46					123.5							
501	5.61	34.184	.68					108.7							

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

82047

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
34 15.5N		119 59.0W		07/21/69		0309 GMT		556M	290	02KT	1	300 01 06			
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	18.09	33.62											24.215	371.4	0
10	17.79	33.62											24.289	364.4	.037
20	16.61	33.61											24.561	338.5	.072
30	15.29	33.60											24.851	310.8	.105
50	12.89	33.64											25.383	260.2	.162
75	10.88	33.69											25.869	214.0	.222
100	9.66	33.91											26.179	184.5	.272
125	9.23	34.08											26.382	165.3	.316
150	9.05	34.13											26.450	158.8	.357
200	8.86	34.19											26.527	151.5	.436
250	8.32	34.19											26.611	143.6	.512
300	7.98	34.19											26.662	138.7	.585
400	7.35	34.20											26.762	129.3	.725
500	6.62	34.24											26.894	116.8	.855

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

82047

Z	LATITUDE		LONGITUDE	MO/DAY/YR		MESSENGER TIME		DT	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	PO4	SI03	NO2	NO3		556M	290	02KT	1	300	01	06
0	18.15	33.617	6.30	.17	0.	.00	.0	373.0				02	SIGT	DT	DD
10	17.75	33.612	6.45	.19	0.	.00	.0	364.1							
30	15.77	33.604	6.53	.25	1.	.00	.0	320.7							
49	12.94		5.21	.83	10.	.08	7.4								
78	10.20		3.37	1.66	23.	.13	21.8								
107	9.50		2.66	2.01	31.	.06	27.3								
152	9.07		2.07	2.24	39.	.00	30.7								
201	8.87		1.60	2.51	44.	.00	33.1								
251	8.38		1.16												
305	7.94		1.04												
404	7.23	34.223	.73					126.0							
506	6.59	34.251	.25					115.6							

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

83043

Z	LATITUDE		LONGITUDE	MO/DAY/YR		MESSENGER TIME		DT	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	PO4	SI03	NO2	NO3		211M	330	05KT	02	SIGT	DT	DD
0			6.52	.17	2.	.00	.0		0	17.84	33.56		24.231	370.0	
10			6.57	.17	2.	.00	.0		10	17.80	33.56		24.240	369.0	.037
30			5.04	1.080	11.	.00	6.2		20	15.91	33.57		24.690	326.2	.072
50			3.74	.52	22.	.00	6.2		30	13.23	33.58		25.269	271.1	.102
80			2.92	1.32	29.	.00	17.8		50	10.99	33.72		25.802	220.4	.151
110			2.47	1.66	35.	.00	30.8		75	10.07	33.82		26.041	197.7	.204
									100	9.77	33.94		26.184	184.1	.252
									125	9.58	34.01		26.271	175.9	.297
									150	9.37	34.05		26.336	169.7	.341

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

83051

Z	LATITUDE		LONGITUDE	MO/DAY/YR		MESSENGER TIME		DT	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	PO4	SI03	NO2	NO3		104M	310	10KT	02	SIGT	DT	DD
0			16.40						0	16.40	33.59		24.594	335.4	0
10			13.08						10	13.08	33.53		25.260	271.9	.030
20			11.64						20	11.64	33.54		25.545	244.9	.056
30			11.36						30	11.36	33.56		25.611	238.5	.080
50			10.03						50	10.03	33.76		26.001	201.5	.125
75			9.65						75	9.65	33.87		26.150	187.3	.174

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

83051

Z	LATITUDE		LONGITUDE	MO/DAY/YR		MESSENGER TIME		DT	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	PO4	SI03	NO2	NO3		104M	310	10KT	02	SIGT	DT	DD
0			6.13	.44	3.	.00	.8		0	16.24	33.59		24.630	331.9	0
10			6.21	.50	3.	.00	1.6		10	13.02	33.53		25.272	270.8	.030
30			6.10A	.58A	5.A	.07A	3.5A		20	11.64	33.54		25.545	244.9	.056
50			5.00A	1.05A	11.A	.06A	9.0A		30	11.24	33.54		25.618	237.9	.080
80			3.11	1.82	28.	.00	23.9		50	10.00	33.76		26.006	201.0	.124
									75	9.74	33.83		26.104	191.7	.174

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

83060

Z	LATITUDE		LONGITUDE	MO/DAY/YR		MESSENGER TIME		DT	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	PO4	SI03	NO2	NO3		1110M	300	04KT	2	300	03	07
0			16.20						0	16.20	33.61		24.655	329.5	0
10			15.84						10	15.84	33.56		24.698	325.4	.033
20			15.17						20	15.17	33.54		24.831	312.7	.065
30			13.93						30	13.93	33.54		25.095	287.6	.095
50			11.56						50	11.56	33.58		25.590	240.5	.148
75			9.85						75	9.85	33.65		25.945	206.8	.204
100			9.27						100	9.27	33.78		26.142	188.1	.254
125			8.94						125	8.94	33.92		26.304	172.7	.299
150			8.61						150	8.61	33.97		26.395	164.1	.342
200			7.89						200	7.89	34.08		26.590	145.6	.421
250			7.39						250	7.39	34.11		26.685	136.5	.494
300			6.64						300	6.64	34.07		26.757	129.7	.562
400			5.98						400	5.98	34.14		26.898	116.3	.690
500			5.52						500	5.52	34.24		27.034	103.5	.806

A) THE NISKIN BOTTLES AT 30 AND 50 METERS FAILED TO CLOSE. NANSSEN BOTTLES WERE LOWERED TO THESE DEPTHS FOR WATER SAMPLES.

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

87040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 40.0N		118 58.0W		07/17/69		1052 GMT			888M	300	06KT				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			5.44	.25	1.	.00	.0		0	19.18	33.64		23.959	395.9	0
10			6.00	.28	1.	.00	.0		10	17.60	33.62		24.334	360.1	.038
30			5.61	.63	8.	.11	4.5		20	14.16	33.58		25.078	289.2	.070
50			3.88	1.38	18.	.12	17.2		30	13.16	33.53		25.244	273.4	.099
80			3.27	1.68	26.	.00	22.4		50	10.80	33.63		25.766	223.8	.148
110			2.83	1.90	31.	.00	25.4		75	9.92	33.79		26.043	197.5	.201
150			2.60	2.04	36.	.00	28.3		100	9.39	33.90		26.216	181.1	.249
200			1.98	2.32	44.	.00	31.6		125	9.17	33.98		26.314	171.8	.294
250			1.35						150	8.84	34.05		26.421	161.6	.336
300			1.15						200	8.37	34.12		26.549	149.5	.416
400			.89						250	8.37	34.24		26.643	140.6	.490
500			.65						300	8.19	34.25		26.678	137.2	.562
									400	7.25	34.28		26.839	122.0	.697
									500	6.35	34.30		26.977	108.9	.820

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

87045

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 30.0N		119 19.0W		07/17/69		1533 GMT			1710M	270	04KT	2	270 02 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			18.84						0	18.84	33.68		24.075	384.8	0
10			18.58						10	18.58	33.67		24.133	379.3	.038
20			12.78						20	12.78	33.55		25.335	264.8	.070
30			11.38						30	11.38	33.58		25.623	237.4	.096
50			10.13						50	10.13	33.64		25.890	212.0	.141
75			9.51						75	9.51	33.82		26.134	188.9	.191
100			9.24						100	9.24	33.94		26.272	175.8	.237
125			8.85						125	8.85	34.01		26.388	164.7	.280
150			8.57						150	8.57	34.06		26.471	156.8	.321
200			8.44						200	8.44	34.20		26.601	144.6	.398
250			8.27						250	8.27	34.24		26.658	139.1	.471
300			7.69						300	7.69	34.24		26.744	130.9	.541
400			6.91						400	6.91	34.26		26.870	119.0	.671
500			6.28						500	6.28	34.28		26.970	109.5	.792

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

87045

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 30.0N		119 19.0W		07/17/69		1615 GMT			1710M	270	04KT	2	270 02 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			18.83						0	18.83	33.69		24.085	383.8	0
10			18.12						10	18.12	33.58		24.178	375.0	.038
20			12.57						20	12.57	33.54		25.368	261.6	.070
30			11.39						30	11.39	33.58		25.621	237.6	.095
50			9.80						50	9.80	33.73		26.016	200.1	.139
75			9.44						75	9.44	33.86		26.177	184.8	.187
100			9.07						100	9.07	33.98		26.330	170.2	.232
125			8.74						125	8.74	34.04		26.429	160.8	.274
150			8.61						150	8.61	34.09		26.488	155.2	.314
200			8.51						200	8.51	34.18		26.574	147.1	.391
250			8.29						250	8.29	34.25		26.663	138.7	.465
300			7.73						300	7.73	34.25		26.746	130.7	.534
400			6.97						400	6.97	34.27		26.870	119.0	.665
500			6.29						500	6.29	34.29		26.977	108.9	.785

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

87045

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 30.0N		119 19.0W		07/17/69		1714 GMT			1710M	270	04KT	2	270 02 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	18.82	33.686	5.65	.22	1.	.00	.0	383.9							
10	14.16	33.634A	6.66	.30	2.	.00	.0	285.3							
30	11.42	33.584A	4.72	1.05	14.	.23	11.4	237.8							
49	10.01		3.80	1.44	22.	.09	19.6								
77	9.50		3.08	1.77	28.	.00	24.3								
106	9.08		2.67	1.99	34.	.00	27.6								
151	8.57		2.48	2.10	40.	.00	29.8								
200	8.51		1.52	2.54	46.	.00	32.9								
249	8.26		1.19												
304	7.84		1.00												
402	6.96	34.277	.68					118.4							
505	6.26	34.220	.47					107.9							

A) THE SALINITY SAMPLES AT 10 AND 30 METERS APPEAR TO HAVE BEEN REVERSED. THEY ARE ASSUMED TO NOW BE LISTED IN THE CORRECT ORDER.

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

87050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 20.0N		119 39.5W		07/17/69		2037 GMT			75M	210	02KT	4	270 02 07		
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	16.40	33.72		24.693	325.9	0
									10	12.75	33.72		25.472	251.8	.029
									20	10.30	33.72		25.923	208.9	.052
									30	9.75	33.76		26.048	197.1	.072
									50	9.30	33.85		26.192	183.4	.11

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

87060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 00.0N		120 22.0W		07/18/69		0533 GMT			984M	090	02KT		230 02 07		
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	15.31	33.46		24.739	321.5	0
									10	15.03	33.46		24.800	315.7	.032
									20	14.48	33.24		24.749	320.5	.064
									30	12.72	33.26		25.123	285.0	.094
									50	11.45	33.52		25.564	243.0	.147
									75	10.27	33.65		25.874	213.5	.204
									100	9.49	33.77		26.098	192.2	.256
									125	9.08	33.87		26.243	178.5	.303
									150	8.91	33.95		26.332	170.0	.347
									200	7.75	33.96		26.516	152.6	.429
									250	7.11	34.06		26.685	136.5	.503
									300	6.46	34.07		26.781	127.4	.571
									400	5.65	34.17		26.963	110.2	.694
									500	5.33	34.29		27.096	97.5	.804

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

87070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 39.5N		121 02.0W		07/18/69		1059 GMT			290M	290	02KT				
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	15.15	33.34		24.682	326.9	0
									10	14.62	33.29		24.758	319.7	.032
									20	14.27	33.27		24.817	314.1	.064
									30	12.63	33.40		25.248	273.0	.093
									50	11.92	33.58		25.523	246.9	.146
									75	10.10	33.59		25.856	215.2	.204
									100	9.71	33.76		26.054	196.4	.256
									125	9.14	33.89		26.249	178.0	.303
									150	8.95	33.95		26.326	170.6	.347
									200	7.97	33.98		26.499	154.2	.430
									250	7.14	34.04		26.666	138.4	.505
									300	6.89	34.12		26.763	129.2	.574
									400	6.05	34.19		26.929	113.4	.700
									500	5.62	34.31		27.077	99.4	.812

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

87080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 20.0N		121 42.0W		07/18/69		1714 GMT			4213M		00KT	2	330 05 07		
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	14.74	33.29		24.732	322.1	0
									10	13.98	33.45		25.016	295.2	.031
									20	13.83	33.58		25.147	282.7	.060
									30	13.15	33.45		25.185	279.1	.088
									50	11.97	33.51		25.460	252.9	.141
									75	9.99	33.47		25.782	222.3	.201
									100	9.72	33.71		26.014	200.3	.254
									125	9.14	33.83		26.202	182.4	.303
									150	8.95	34.03		26.388	164.7	.347
									200	8.50	34.09		26.505	153.6	.428
									250	7.39	34.00		26.599	144.7	.504
									300	6.61	34.02		26.722	133.0	.576
									400	6.01	34.17		26.918	114.4	.705
									500	5.42	34.22		27.030	103.8	.819

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

87090

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
31 59.0N			122 24.0W			07/18/69			2358 GMT			4404M						00KT			2			430 05 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD											
0									0	16.37	33.15		24.264	366.8	0											
10									10	16.30	33.15		24.280	365.3	.037											
20									20	16.11	33.12		24.300	363.3	.073											
30									30	15.47	33.14		24.459	348.2	.109											
50									50	14.27	33.19		24.755	320.0	.176											
75									75	13.70	33.18		24.946	301.8	.254											
100									100	11.54	33.14		25.253	272.6	.326											
125									125	10.46	33.32		25.585	241.0	.391											
150									150	9.74	33.57		25.901	211.0	.448											
200									200	8.74	33.88		26.304	172.7	.546											
250									250	8.00	33.97		26.487	155.3	.630											
300									300	7.27	34.02		26.632	141.6	.706											
400									400	6.07	34.09		26.847	121.1	.843											
500									500	5.55	34.23		27.022	104.5	.961											

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90028

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
33 28.5N			117 46.5W			07/17/69			0135 GMT			427M			180			06KT			2			270 03 09		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD											
0			5.95	.22	0.	.00	.0		0	19.01	33.57		23.948	396.9	0											
10			6.36	.25	1.	.00	.0		10	16.67	33.50		24.463	347.9	.037											
30			5.21	.77	9.	.16	7.1		20	12.40	33.45		25.331	265.1	.068											
50			3.75	1.35	18.	.07	16.7		30	11.63	33.45		25.477	251.3	.094											
80			3.35	1.57	22.	.04	20.1		50	10.88	33.62		25.744	225.9	.142											
110			3.03	1.77	27.	.00	24.1		75	10.36	33.76		25.944	206.9	.196											
150			2.84	1.90	32.	.00	26.9		100	9.88	33.81		26.065	195.4	.247											
200			2.67	2.01	36.	.00	28.6		125	9.54	33.94		26.223	180.4	.294											
250			2.35						150	9.11	34.02		26.323	170.4	.339											
300			1.74						200	8.85	34.04		26.412	162.5	.424											
									250	8.07	34.10		26.518	152.4	.505											
									300	8.48	34.21		26.602	144.4	.582											

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90032

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
33 20.5N			118 03.0W			07/16/69			2129 GMT			741M			350			02KT			1			200 04 10		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD											
0			5.68	.22	2.	.00	.0		0	19.19	33.58		23.910	400.5	0											
10			5.87	.25	1.	.00	.0		10	17.50	33.56		24.313	362.1	.038											
30			6.22	.28	2.	.00	.0		20	13.85	33.51		25.089	288.2	.071											
50			5.69	.66	7.	.06	5.4		30	12.78	33.46		25.265	271.4	.099											
80			3.58	1.32	21.	.14	20.1		50	11.43	33.41		25.482	250.8	.151											
110			3.20	1.74	25.	.00	23.9		75	10.33	33.67		25.879	213.0	.209											
150			2.71	1.96	31.	.00	26.6		100	9.85	33.78		26.046	197.2	.261											
200			2.35	2.15	37.	.00	29.5		125	9.46	33.92		26.220	180.7	.309											
250			1.67						150	9.45	34.03		26.308	172.4	.354											
300			1.38						200	9.09	34.10		26.420	161.6	.439											
400			1.19						250	9.13	34.23		26.516	152.6	.520											
500			.62						300	8.70	34.26		26.607	143.9	.597											
									400	7.37	34.20		26.759	129.5	.739											
									500	6.44	34.26		26.933	113.0	.867											

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90037

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
33 11.0N			118 22.5W			07/16/69			1748 GMT			1202M			330			01KT			2			240 03 09		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD											
0			5.79	.30	0.	.00	.0		0	19.46	33.61		23.864	404.9	0											
10			6.06	.22	2.	.00	.1		10	18.22	33.62		24.184	374.4	.039											
30			5.22	.81	10.	.17	7.3		20	15.91	33.60		24.713	324.0	.074											
50			3.84	1.35	19.	.14	17.1		30	13.15	33.58		25.285	269.6	.104											
80			3.28	1.63	26.	.00	21.7		50	10.76	33.66		25.797	220.9	.153											
110			2.75	1.90	32.	.00	26.2		75	10.06	33.74		25.980	203.5	.206											
150			2.43	2.10	39.	.00	29.0		100	9.49	33.87		26.176	184.8	.255											
200			1.97	2.24	44.	.00	31.2		125	9.15	33.97		26.309	172.2	.300											
250			1.70						150	8.86	34.03		26.402	163.4	.343											
300			1.38						200	8.61	34.17		26.551	149.3	.423											
400			.77						250	7.96	34.15		26.634	141.4	.498											
500			.54						300	7.63	34.16		26.690	136.1	.569											
									400	6.80	34.24		26.869	119.1	.702											
											2	34.29		26.999	106.8	.822										

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90039

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
Z	T	S	OZ	PO4	SI03	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD	
	33	07.0N	118	18.5W	07/16/69			1622 GMT	1295M		260	02KT	2	270	03 06	
0									0	18.44	33.66		24.160	376.7	0	
10									10	18.35	33.67		24.190	373.9	.038	
20									20	17.16	33.62		24.439	350.1	.074	
30									30	12.95	33.64		25.371	261.4	.104	
50									50	10.19	33.70		25.928	208.4	.152	
75									75	9.46	33.83		26.150	187.3	.201	
100									100	9.29	33.94		26.263	176.6	.247	
125									125	8.96	34.02		26.379	165.6	.291	
150									150	8.70	34.06		26.451	158.8	.332	
200									200	8.13	34.10		26.569	147.5	.410	
250									250	7.82	34.17		26.670	137.9	.483	
300									300	7.41	34.19		26.745	130.8	.553	
400									400	6.67	34.27		26.911	115.2	.681	
500									500	6.00	34.30		27.022	104.6	.797	

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90045

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
Z	T	S	OZ	PO4	SI03	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD	
	32	54.5N	118	55.0W	07/16/69			1125 GMT	1757M		00KT		330	03 06		
0									0	18.29	33.66		24.199	372.9	0	
10									10	17.71	33.62		24.308	362.6	.037	
30									30	15.22	33.52		24.805	315.2	.071	
50									50	13.45	33.47		25.140	283.4	.101	
80									80	11.66	33.62		25.785	222.0	.151	
110									110	9.68	33.81		26.105	191.6	.203	
150									150	9.23	33.95		26.281	174.9	.250	
200									200	8.97	34.03		26.385	165.0	.293	
250									250	8.69	34.09		26.476	156.4	.334	
300									300	8.29	34.16		26.592	145.3	.411	
400									400	7.88	34.19		26.683	136.7	.483	
500									500	7.56	34.25		26.771	128.4	.552	
										6.67	34.26		26.909	115.3	.679	
										5.94	34.30		27.029	103.9	.795	

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90051

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
Z	T	S	OZ	PO4	SI03	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD	
	32	39.0N	119	28.5W	07/16/69			0517 GMT	1369M		110	16KT		310	05 06	
0									0	15.66	33.52		24.708	324.5	0	
10									10	15.66	33.53		24.715	323.8	.032	
30									30	15.65	33.53		24.718	323.6	.065	
50									50	15.43	33.62		24.836	312.3	.097	
80									80	13.65	33.53		25.145	282.8	.156	
110									110	10.52	33.50		25.714	228.7	.221	
150									150	9.48	33.58		25.952	206.2	.276	
200									200	9.51	33.84		26.150	187.4	.325	
250									250	8.88	33.87		26.274	175.5	.371	
300									300	8.04	34.01		26.512	152.9	.455	
400									400	7.14	34.05		26.673	137.6	.529	
500									500	6.74	34.07		26.744	131.0	.599	
										6.48	34.21		26.889	117.2	.728	
										6.08	34.29		27.004	106.3	.846	

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
Z	T	S	OZ	PO4	SI03	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD	
	32	25.0N	119	57.5W	07/16/69			0057 GMT	1021M		330	14KT		330	07 06	
0									0	14.90	33.27		24.683	326.9	0	
10									10	14.87	33.27		24.689	326.3	.033	
30									30	14.07	33.20		24.805	315.3	.065	
50									50	13.73	33.21		24.882	307.9	.096	
80									80	13.28	33.24		24.997	297.0	.157	
110									110	12.75	33.19		25.063	290.7	.231	
150									150	11.07	33.22		25.400	258.6	.300	
200									200	9.90	33.44		25.773	223.1	.361	
250									250	9.29	33.67		26.053	196.6	.414	
300									300	8.58	33.94		26.376	165.9	.506	
400									400	7.78	34.00		26.543	150.0	.587	
500									500	7.08	34.03		26.666	138.3	.661	
										6.47	34.16		26.859	120.1	.795	
										6.28	34.28		27.002	106.5	.915	

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 03.0N		120 40.0W		07/15/69		1740 GMT			3546M	330	12KT	2	330 06 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			5.33U	.33	2.	.00	.0		0	15.20	33.15		24.525	341.9	.6
10			6.12	.28	2.	.00	.0		10	15.18	33.15		24.530	341.4	.034
30			6.12	.28	2.	.00	.0		20	15.15	33.15		24.536	340.8	.068
50			6.06	.33	2.	.02	.3		30	14.65	33.16		24.652	329.8	.102
80			6.22	.28	2.	.01	.0		50	13.91	33.24		24.868	309.2	.166
110			5.78	.61	5.	.18	3.9		75	13.40	33.30		25.019	294.9	.242
150			4.68	1.10	16.	.01	14.5		100	12.53	33.34		25.221	275.6	.314
200			3.56	1.68	32.	.01	25.7		125	10.46	33.38		25.632	236.6	.378
250			2.88						150	9.39	33.55		25.943	207.0	.435
300			2.22						200	8.50	33.88		26.341	169.2	.530
400			1.38						250	7.63	34.01		26.573	147.2	.611
500			.73U						300	7.19	34.05		26.666	138.3	.685
									400	6.34	34.12		26.836	122.2	.820
									500	5.75	34.21		26.982	108.4	.941

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 44.5N		121 19.5W		07/15/69		1005 GMT			3832M	340	15KT		350 07 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	16.25	33.15		24.291	364.2	0
10									10	16.25	33.15		24.291	364.2	.036
30									20	16.25	33.15		24.291	364.2	.073
50									30	16.16	33.13		24.296	363.7	.109
80									50	15.06	33.16		24.564	338.2	.180
110									75	13.90	33.13		24.786	317.1	.262
150									100	13.04	33.10		24.936	302.7	.340
200									125	11.37	33.20		25.331	265.2	.412
250									150	10.17	33.36		25.666	233.3	.475
300									200	8.67	33.83		26.276	175.4	.579
400									250	7.98	34.00		26.514	152.8	.663
500									300	7.37	34.02		26.618	142.9	.739
									400	6.24	34.10		26.833	122.5	.877
									500	5.74	34.21		26.983	108.3	.998

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 44.5N		121 19.5W		07/15/69		1042 GMT			3832M	340	15KT		350 07 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	16.25	33.15		24.291	364.2	0
10			5.70	.30	2.	.00	.0		10	16.25	33.15		24.291	364.2	.036
30			5.71	.28	2.	.00	.0		20	16.25	33.15		24.291	364.2	.073
50			5.84	.30	2.	.00	.0		30	15.68	33.11		24.389	354.9	.109
80			5.97	.30	2.	.01	.0		50	14.89	33.18		24.616	333.3	.178
110			5.89	.39	3.	.08	.5		75	13.72	33.13		24.823	313.5	.259
150			5.11	.83	11.	.01	9.0		100	12.68	33.12		25.022	294.5	.336
200			3.65	1.63	31.	.01	25.0		125	11.42	33.25		25.360	262.4	.406
250			2.86						150	10.12	33.40		25.705	229.6	.468
300			1.25U						200	8.65	33.85		26.295	173.6	.571
									250	7.94	34.00		26.519	152.3	.654
									300	7.37	34.04		26.633	141.5	.730
									400	6.17	34.10		26.842	121.6	.866
									500	5.74	34.19		26.968	109.7	.988

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 24.0N		122 01.0W		07/15/69		0449 GMT			3926M	330	19KT				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			5.80	.28	2.	.00	.0		0	16.59	33.14		24.206	372.3	0
10			5.77	.28	2.	.00	.0		10	16.59	33.14		24.206	372.3	.037
30			5.76	.28	2.	.00	.0		20	16.59	33.14		24.206	372.3	.075
50			6.08	.28	2.	.00	.0		30	16.58	33.14		24.208	372.1	.112
80			6.12	.30	2.	.02	.0		50	15.35	33.12		24.470	347.2	.184
110			5.52	.63	6.	.07	5.0		75	13.35	33.16		24.921	304.2	.266
150			4.48	1.16	16.	.01	15.4		100	11.92	33.19		25.221	275.6	.339
200			3.71	1.66	29.	.00	25.0		125	10.51	33.29		25.553	244.1	.404
250			2.98						150	9.65	33.50		25.862	214.7	.462
300			2.40						200	8.87	33.83		26.245	178.3	.562
400			1.20						250	7.97	33.98		26.499	154.2	.647
500			.72						300	7.24	34.04		26.652	139.7	.723
									400	6.38	34.15		26.855	120.5	.858
									500	5.75	34.22		26.990	107.6	.978

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 05.0N		122 39.0W		07/14/69		2220 GMT			4117M	330	12KT	2	360 07 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	16.39	33.13		24.244	368.7	0
10									10	16.37	33.13		24.249	368.2	.037
20									20	16.32	33.13		24.260	367.2	.074
30									30	16.30	33.13		24.265	366.7	.110
50									50	16.14	33.11		24.286	364.7	.184
75									75	13.83	33.03		24.723	323.0	.270
100									100	12.80	33.08		24.968	299.7	.349
125									125	10.90	33.15		25.376	260.9	.419
150									150	9.73	33.48		25.833	217.5	.48C
200									200	8.71	33.87		26.301	173.0	.579
250									250	7.91	33.99		26.516	152.6	.662
300									300	7.40	34.05		26.637	141.1	.738
400									400	6.73	34.18		26.832	122.6	.875
500									500	5.97	34.20		26.947	111.7	.999

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 05.0N		122 39.0W		07/14/69		2318 GMT			4117M	330	12KT	2	360 07 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.01	.25	2.	.00	.0		0	16.37	33.13		24.249	368.2	0
10			5.99	.25	2.	.00	.0		10	16.37	33.13		24.249	368.2	.037
30			5.88	.22	2.	.00	.0		20	16.32	33.13		24.260	367.2	.074
50			5.84	.25	2.	.00	.0		30	16.30	33.12		24.257	367.4	.110
80			6.22	.25	2.	.00	.0		50	16.05	33.09		24.291	364.2	.184
110			5.92	.41	4.	.13	1.1		75	13.86	33.08		24.756	319.9	.270
150			4.90	1.02	14.	.01	13.1		100	12.87	33.12		24.985	298.1	.348
200			3.70	1.77	33.	.00	26.8		125	11.27	33.16		25.318	266.4	.419
250			3.06						150	9.81	33.43		25.781	222.4	.481
300			2.31						200	8.70	33.88		26.310	172.1	.581
400			1.71						250	7.94	33.98		26.504	153.7	.664
500			1.21						300	7.39	34.06		26.646	140.2	.740
									400	6.56	34.14		26.823	123.5	.877
									500	5.58	34.18		26.979	108.6	.999

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90120

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 25.0N		124 00.0W		07/14/69		0918 GMT			4404M	360	14KT		360 05 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			5.70	.30	2.	.00	.0		0	16.85	33.13		24.138	378.8	0
30			5.70	.30	2.	.00	.0		10	16.82	33.13		24.145	378.1	.038
80			6.03	.28	2.	.00	.0		20	16.82	33.13		24.145	378.1	.076
110			5.92	.28	3.	.01	.0		30	16.82	33.13		24.145	378.1	.114
150			5.23	.80	9.	.01	8.0		50	16.17	33.04		24.225	370.5	.189
209			3.80	1.57	26.	.01	22.3		75	14.43	33.18		24.714	323.9	.276
250			3.29						100	13.48	33.26		24.972	299.4	.354
300			2.69						125	12.22	33.25		25.211	276.6	.427
400			1.74						150	10.67	33.24		25.486	250.4	.494
500			.76						200	9.16	33.71		26.105	191.6	.606
									250	8.58	33.89		26.337	169.6	.698
									300	7.80	34.00		26.540	150.3	.781
									400	6.65	34.12		26.795	126.1	.924
									500	5.77	34.17		26.948	111.6	1.049

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

90140

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 45.0N		125 20.0W		07/13/69		2320 GMT			4594M	340	18KT	1	340 06 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			5.51	.25	2.	.00	.0		0	18.69	33.54		24.006	391.4	0
10			5.55	.25	2.	.00	.1		10	18.69	33.54		24.006	391.4	.039
30			5.62	.25	2.	.00	.0		20	18.63	33.55		24.029	389.2	.078
50			6.05	.22	2.	.00	.0		30	18.57	33.55		24.044	387.8	.117
80			5.87	.22	2.	.00	.0		50	16.60	33.50		24.479	346.3	.191
110			5.57	.17	2.	.00	.1		75	16.34	33.71		24.699	325.3	.275
150			5.44	.33	4.	.00	1.9		100	15.41	33.63		24.848	311.2	.355
200			4.89	.99	15.	.00	12.9		125	15.18	33.95		25.144	283.0	.431
250			3.80						150	14.09	33.92		25.355	262.9	.500
300			3.18						200	10.45	33.73		25.905	210.6	.620
400			2.19						250	8.79	33.90		26.312	172.0	.718
500			1.30						300	7.93	33.97		26.477	154.3	.802
									400	6.58	34.00		26.710	134.2	.952
									500	5.60	34.08		26.898	116.3	1.083

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

93027

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 56.0N		117 19.0W		07/10/69		2020 GMT		121M		290		04KT		4		280 03 05	
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0			5.52	.28	0.	.00	.0		0	17.68	33.60		24.300	363.4	0		
10			6.08	.39	3.	.00	.0		10	15.85	33.60		24.726	322.7	.034		
30			5.06	1.05	11.	.24	9.4		20	11.86	33.41		25.403	258.3	.063		
50			3.89	1.60	19.	.37	17.8		30	11.28	33.52		25.595	240.1	.088		
80			3.43	1.85	26.	.04	22.6		50	10.53	33.59		25.783	222.2	.135		
									75	9.96	33.77		26.020	199.7	.188		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

93028

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 54.5N		117 22.0W		07/10/69		2220 GMT		491M		290		05KT		4		300 04 06	
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
10			5.70	.30	2.	.00	.1		0	19.51	33.67		23.897	401.8	0		
30			5.79	.75	8.	.08	6.1		10	17.42	33.35		24.171	375.6	.039		
50			3.94	1.57	16.	.40	15.8		20	12.78	33.27		25.119	285.4	.072		
80			3.67	1.63	21.	.25	19.4		30	11.63	33.30		25.360	262.4	.099		
110			3.17	1.82	26.	.02	23.1		50	10.79	33.57		25.721	228.0	.149		
150			2.70	2.15	33.	.00	26.9		75	10.21	33.67		25.900	211.1	.204		
200			2.20	2.35	37.	.00	29.0		100	9.83	33.77		26.042	197.6	.255		
250			1.93						125	9.67	33.94		26.201	182.5	.303		
300			1.38						150	9.48	34.02		26.295	173.6	.349		
400			1.22						200	9.16	34.12		26.425	161.2	.434		
									250	8.81	34.16		26.512	153.0	.515		
									300	8.49	34.25		26.632	141.6	.591		
									400	7.46	34.25		26.785	127.0	.731		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

93030

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 50.5N		117 31.0W		07/11/69		0045 GMT		833M		300		04KT		0		330 03 06	
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0			5.53	.28	2.	.00	.0		0	19.89	33.66		23.791	411.9	0		
10			5.52	.28	2.	.00	.0		10	17.22	33.64		24.440	350.0	.038		
30			5.90	.33	2.	.00	.0		20	13.92	33.41		24.997	296.9	.070		
50			6.03	.63	6.	.04	3.9		30	11.95	33.29		25.293	268.8	.099		
80			4.46	1.21	15.	.00	15.0		50	10.51	33.49		25.708	229.3	.149		
110			3.19	1.71	24.	.00	22.3		75	9.90	33.71		25.984	203.1	.203		
150			2.80	1.93	29.	.00	24.2		100	9.88	33.86		26.104	191.7	.253		
200			2.57	2.07	33.	.00	27.2		125	9.68	33.98		26.231	179.7	.300		
250			2.20						150	9.43	34.03		26.311	172.1	.345		
300			1.84						200	9.22	34.12		26.415	162.2	.430		
400			1.51						250	9.06	34.18		26.488	155.3	.511		
500			.95						300	8.49	34.24		26.624	142.3	.588		
									400	7.60	34.27		26.781	127.5	.729		
									500	6.49	34.27		26.935	112.9	.856		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

93035

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 40.5N		117 51.5W		07/11/69		0425 GMT		648M		310		04KT		4		230 03 06	
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0			5.81	.28	3.	.01	.2		0	17.68	33.66		24.346	359.0	0		
10			5.79	.33	3.	.02	.3		10	17.44	33.62		24.373	356.4	.036		
30			3.54	1.60	22.	.14	19.5		20	15.25	33.61		24.867	309.3	.069		
80			2.83	1.99	30.	.02	25.3		30	11.82	33.57		25.534	245.8	.097		
110			2.66	2.10	35.	.00	27.6		50	10.43	33.69		25.878	213.2	.143		
150			2.24	2.26	40.	.01	29.5		75	9.86	33.77		26.037	198.1	.195		
200			1.98	2.40	48.	.02	32.2		100	9.25	33.92		26.254	177.4	.242		
250			1.59						125	8.90	33.99		26.365	166.9	.286		
300			1.16						150	8.74	34.06		26.445	159.4	.327		
400			.68						200	8.01	34.08		26.572	147.3	.405		
500			.49						250	7.54	34.12		26.672	137.8	.479		
									300	7.32	34.18		26.750	130.4	.548		
									400	6.49	34.24		26.911	115.1	.676		
									500	6.08	34.29		27.004	106.3	.793		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

93040

Z	LATITUDE			LCNGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2					SIGT	DT	DD
0			5.85	.39	3.	.00	.3		0	17.90	33.71		24.330	360.4		0			
10			5.74	.28	3.	.01	.2		10	17.46	33.66		24.399	354.0		.036			
30			4.03	1.41	20.	.17	17.1		20	12.71	33.60		25.387	259.8		.066			
50			3.60	1.55	24.	.09	20.0		30	10.62	33.71		25.860	214.9		.090			
80			2.90	2.01	33.	.00	26.4		50	9.69	33.79		26.081	193.9		.131			
110			2.48	2.10	38.	.00	28.5		75	9.30	33.93		26.254	177.5		.178			
150			2.00	2.35	44.	.00	31.0		100	9.04	33.97		26.327	170.5		.222			
200			1.60	2.59	51.	.00	34.1		125	8.79	34.04		26.421	161.6		.264			
250			1.20						150	8.48	34.09		26.508	153.3		.304			
300			.97						200	7.96	34.14		26.626	142.1		.379			
400			.78						250	7.53	34.18		26.720	133.2		.450			
500			.69						300	7.07	34.20		26.801	125.6		.517			
									400	6.50	34.24		26.910	115.2		.643			
									500	5.94	34.29		27.021	104.6		.759			

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

93050

Z	LATITUDE			LCNGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2					SIGT	DT	DD
0			32 08.5N	118 51.0W	07/11/69			1355 GMT	1572M	290	33KT	2	24.540	340.5		0			
10									20	15.62	33.67		24.832	312.7		.033			
30									30	11.14	33.65		25.721	228.1		.060			
50									50	10.57	33.62		25.799	220.7		.082			
75									75	9.96	33.67		25.942	207.1		.125			
100									100	9.40	33.81		26.144	187.9		.175			
125									125	9.22	33.88		26.228	179.9		.221			
150									150	8.86	33.91		26.309	172.3		.266			
200									200	8.84	34.02		26.398	163.8		.308			
250									250	8.42	34.11		26.533	150.9		.389			
300									300	7.97	34.19		26.664	138.6		.463			
400									400	7.76	34.22		26.718	133.4		.533			
500									500	6.88	34.25		26.866	119.3		.665			
										6.05	34.28		27.000	106.7		.785			

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

93060

Z	LATITUDE			LCNGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2					SIGT	DT	DD
0			31 49.0N	119 31.5W	07/11/69			2245 GMT	3738M	290	08KT	2	24.405	353.3		0			
10									10	15.51	33.16		24.465	347.6		.035			
30									20	15.34	33.16		24.502	344.0		.070			
50									30	15.07	33.18		24.577	337.0		.104			
75									50	14.90	33.21		24.637	331.3		.171			
100									75	12.75	33.12		25.009	295.8		.250			
125									100	11.62	33.15		25.246	273.2		.321			
150									125	10.38	33.35		25.622	237.5		.386			
200									150	9.48	33.64		25.999	201.7		.441			
250									200	8.62	33.93		26.362	167.2		.535			
300									250	8.15	34.09		26.559	148.5		.616			
400									300	7.59	34.08		26.633	141.5		.691			
500									400	6.71	34.23		26.874	118.6		.826			
									500	6.24	34.27		26.967	109.8		.947			

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

93070

Z	LATITUDE			LCNGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2					SIGT	DT	DD
0			31 30.0N	120 15.0W	07/12/69			0426 GMT	4022M	040	01KT		24.304	363.0		0			
10									10	15.99	33.09		24.304	362.9		.036			
30									20	15.92	33.09		24.320	361.4		.073			
50									30	15.85	33.09		24.336	359.9		.109			
75									50	14.82	33.08		24.554	339.1		.179			
100									75	12.61	33.06		24.990	297.7		.259			
125									100	11.80	33.17		25.228	274.9		.331			
150									125	10.47	33.35		25.607	239.0		.396			
200									150	9.56	33.58		25.939	207.4		.452			
250									200	9.18	33.96		26.297	173.4		.549			
300									250	8.60	34.08		26.482	155.8		.634			
400									300	8.16	34.15		26.604	144.2		.711			
500									400	6.93	34.17		26.797	126.0		.852			
									500	6.29	34.27		26.961	110.4		.976			

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

93080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 10.0N		120 54.5W		07/12/69	0840	NO2	NO3	DT	4117M	280	05KT		280 03 05		
Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.98	33.11		24.322	361.3	0
									10	15.95	33.10		24.321	361.3	.036
									20	15.96	33.11		24.326	360.8	.072
									30	15.85	33.09		24.336	359.9	.108
									50	14.22	32.99		24.612	333.6	.178
									75	12.99	33.12		24.962	300.3	.258
									100	11.72	33.23		25.290	269.1	.329
									125	10.38	33.47		25.715	228.6	.392
									150	9.58	33.69		26.021	199.6	.446
									200	8.78	33.96		26.360	167.4	.540
									250	8.07	34.04		26.531	151.1	.621
									300	7.73	34.11		26.636	141.2	.697
									400	6.78	34.19		26.833	122.5	.834
									500	5.95	34.23		26.973	109.2	.956

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

93090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 50.0N		121 34.5W		07/12/69	1405	NO2	NO3	DT	4117M	290	06KT	2	310 04 06		
Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.42	33.42		24.225	370.5	0
									10	17.42	33.42		24.225	370.5	.037
									20	17.43	33.42		24.222	370.7	.074
									30	17.43	33.42		24.222	370.7	.111
									50	16.35	33.27		24.360	357.6	.184
									75	14.70	33.27		24.726	322.8	.270
									100	13.35	33.24		24.983	298.3	.348
									125	12.42	33.56		25.413	257.4	.418
									150	11.63	33.51		25.523	246.9	.482
									200	9.35	33.75		26.106	191.6	.594
									250	8.46	33.92		26.379	165.6	.685
									300	7.79	34.03		26.565	147.9	.766
									400	6.61	34.09		26.777	127.8	.909
									500	5.86	34.19		26.953	111.2	1.035

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

93100

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 30.0N		122 14.0W		07/12/69	2033	NO2	NO3	DT	4309M	330	10KT	2	320 05 05		
Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.42	33.38		24.194	373.4	0
									10	17.40	33.38		24.199	373.0	.037
									20	17.39	33.38		24.201	372.7	.075
									30	17.39	33.38		24.201	372.7	.112
									50	15.71	33.29		24.520	342.4	.184
									75	14.88	33.47		24.841	311.8	.266
									100	14.72	33.65		25.013	295.4	.342
									125	12.40	33.44		25.324	265.9	.413
									150	10.94	33.46		25.610	238.7	.477
									200	9.27	33.76		26.126	189.6	.586
									250	8.43	33.93		26.391	164.4	.677
									300	7.69	34.00		26.556	148.8	.757
									400	6.53	34.09		26.788	126.8	.900
									500	5.90	34.19		26.948	111.6	1.026

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

93120

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 49.0N		123 35.0W		07/13/69	0659	NO2	NO3	DT	4213M	360	10KT		010 05 05		
Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.34	33.18		24.061	386.2	0
									10	17.34	33.17		24.053	386.9	.039
									20	17.34	33.17		24.053	386.9	.077
									30	17.34	33.17		24.053	386.9	.116
									50	16.46	33.49		24.503	344.0	.189
									75	16.34	33.74		24.722	323.1	.273
									100	13.79	33.36		24.986	298.0	.352
									125	14.79	33.80		25.113	285.9	.425
									150	12.77	33.60		25.375	260.9	.495
									200	9.65	33.71		26.025	199.2	.612
									250	8.59	33.89		26.335	169.7	.706
									300	7.81	33.97		26.515	152.7	.789
									400	6.46	34.04		26.758	129.7	.935
									500	5.66	34.14		26.938	112.6	1.062

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

93140

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 09.0N		124 53.0W		07/13/69	1634 GMT				4309M	340	14KT	2	330 06 05		
Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	18.14	33.44		24.066	385.7	0
10									10	18.12	33.44		24.071	385.2	.039
20									20	18.12	33.44		24.071	385.2	-.077
30									30	18.12	33.44		24.071	385.2	-.116
50									50	16.35	33.30		24.383	355.4	-.190
75									75	15.57	33.37		24.613	333.5	-.277
100									100	16.25	33.81		24.794	316.3	-.358
125									125	14.37	33.67		25.103	286.8	-.435
150									150	13.25	33.68		25.342	264.1	-.504
200									200	10.14	33.63		25.881	212.9	-.626
250									250	9.03	33.88		26.258	177.0	-.725
300									300	8.16	33.98		26.471	156.9	-.811
400									400	6.59	34.04		26.740	131.3	-.961
500									500	5.92	34.14		26.906	115.6	-1.090

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

97032

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 12.0N		117 16.0W		07/10/69	0305 GMT				1382M	320	11KT	2			
Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	17.22	33.553	5.81	.75	3.	.09	.4	356.3							
9	16.07	33.521	5.92	.51	3.	.17	.0	333.2							
29	12.68		5.56	.89	7.	.26	5.2								
50	11.55		4.13	1.37	15.	.19	15.0								
79	10.25		3.78	1.79	21.	.20	20.5								
109	9.98		2.82	2.19	29.	.14	25.4								
154	9.33	34.092	2.36	2.68	35.	.13	28.2	165.9							
202	8.87		2.08	2.68	40.	.12	29.3								
251	8.60		1.65												
306	7.49	34.162	1.45					134.0							
405	6.86	34.247	.67					119.3							
510	6.25		.34												

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

97032

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 12.0N		117 16.0W		07/10/69	0433 GMT				1382M	320	11KT	2			
Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	17.28	33.52							0	17.28	33.52		24.335	360.0	0
10	16.16	33.57							10	16.16	33.57		24.633	331.6	.035
20	15.73	33.58							20	15.73	33.58		24.738	321.6	.067
30	13.12	33.46							30	13.12	33.46		25.198	277.8	-.097
50	11.72	33.59							50	11.72	33.59		25.568	242.6	-.150
75	10.69	33.65							75	10.69	33.65		25.801	220.5	-.208
100	9.88	33.85							100	9.88	33.85		26.096	192.5	-.260
125	9.43	33.96							125	9.43	33.96		26.256	177.2	-.307
150	9.09	34.12							150	9.09	34.12		26.371	166.3	-.350
200	8.94	34.19							200	8.94	34.19		26.515	152.7	-.432
250	8.47	34.22							250	8.47	34.22		26.612	143.5	-.508
300	7.52	34.16							300	7.52	34.16		26.706	134.6	-.580
400	6.88	34.26							400	6.88	34.26		26.874	118.6	-.712
500	6.30	34.32							500	6.30	34.32		26.999	106.8	-.831

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

97035

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 05.5N		117 27.5W		07/10/69	0537 GMT				1221M	340	08KT	2			
Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	17.08	33.73							0	17.08	33.73		24.542	340.2	0
10	16.92	33.71							10	16.92	33.71		24.565	338.1	.034
20	16.38	33.71							20	16.38	33.71		24.690	326.2	.067
30	15.61	33.71							30	15.61	33.71		24.865	309.6	.099
50	10.90	33.69							50	10.90	33.69		25.795	221.0	.152
75	9.83	33.81							75	9.83	33.81		26.073	194.6	.205
100	9.53	33.91							100	9.53	33.91		26.201	182.5	.252
125	9.27	34.00							125	9.27	34.00		26.313	171.8	.297
150	9.07	34.05							150	9.07	34.05		26.385	165.1	.340
200	8.45	34.13							200	8.45	34.13		26.544	149.9	.420
250	7.91	34.20							250	7.91	34.20		26.661	137.0	.494
300	7.43	34.19							300	7.43	34.19		26.742	131.1	.563
400	6.73	34.29							400	6.73	34.29		26.918	114.4	.691
500	6.04	34.33							500	6.04	34.33		27.040	102.9	.806

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

97035

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 05.5N		117 27.5W		07/10/69		0606 GMT			1221M	340	08KT	2			
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	17.08	33.706	5.79	.68	3.	.04	.9	342.0							
9	16.85	33.700	5.87	.72	4.	.09	.9	337.3							
29	15.50			.79	5.	.08	2.3								
49	10.86		4.17	1.91	18.	.26	16.4								
79	9.55		3.27	2.42	27.	.07	23.9								
109	9.44		2.73	2.70	32.	.03	26.1								
154	8.97	34.043	2.39	2.73	37.	.03	28.4	164.1							
203	8.42		1.79	3.03	45.	.02	31.2								
252	8.02		1.42												
306	7.63	34.210	1.06					132.3							
407	6.69	34.271	.52					115.3							
510	5.96		.30												

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

97040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 55.5N		117 49.5W		07/10/69		0925 GMT			1479M	310	06KT	2			
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	16.42	33.54											24.551	339.4	0
10	16.19	33.54											24.604	334.4	.034
20	14.57	33.38											24.838	312.1	.066
30	12.79	33.42											25.233	274.5	.095
50	10.98	33.50											25.633	236.4	.147
75	10.17	33.72											25.946	206.7	.202
100	9.75	33.89											26.149	187.4	.252
125	9.39	34.02											26.310	172.2	.298
150	9.20	34.10											26.403	163.3	.340
200	8.68	34.17											26.540	150.3	.420
250	8.11	34.19											26.643	140.5	.495
300	7.67	34.23											26.739	131.4	.565
400	7.19	34.34											26.894	116.7	.695
500	6.10	34.32											27.025	104.3	.812

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

97040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 55.5N		117 49.5W		07/10/69		1016 GMT			1479M	310	06KT	2			
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	16.46	33.512	5.81	.63	2.	.00	.1	342.4							
9	16.38	33.508	5.89	1.00	2.	.03	.0	340.9							
28	12.53		6.56	.86	4.	.10	2.3								
47	11.00	33.494	4.76	1.47	13.	.26	12.8	237.2							
75	10.16		3.55	2.35	22.	.05	20.7								
103	9.76		3.11	2.31	28.	.02	24.3								
146	9.26		2.60	2.80	34.	.01	26.2								
195	8.66		2.34	2.82	40.	.01	28.2								
244	8.25		1.89	3.31	46.	.01	30.6								
299	7.75		1.35	3.43	54.	.01	32.8								
398	7.22	34.326	.53					118.2							
503	6.11	34.301	.41					105.9							

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

97050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 35.5N		118 31.0W		07/10/69		1610 GMT			2457M	320	11KT	2	300 03 04		
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	16.25	33.50											24.559	338.6	0
10	16.23	33.50											24.564	338.2	.034
20	16.13	33.49											24.579	336.8	.068
30	12.26	33.45											25.358	262.6	.098
50	11.47	33.49											25.537	245.6	.149
75	10.34	33.67											25.878	213.2	.206
100	9.85	33.86											26.109	191.2	.257
125	9.35	33.98											26.285	174.5	.304
150	8.99	34.03											26.382	165.3	.347
200	8.61	34.19											26.567	147.8	.427
250	8.21	34.25											26.675	137.5	.500
300	7.75	34.26											26.751	130.3	.569
400	6.66	34.26											26.904	115.8	.698
500	6.36	34.36											27.023	104.5	.815

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

97060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 16.0N		119 11.0W		07/10/69		2243 GMT			3711M	330	13KT	2	330 04 05		
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	15.99	33.69		24.764	319.1	0
									10	15.93	33.69		24.777	317.9	.032
									20	14.97	33.60		24.921	304.2	.063
									30	14.18	33.56		25.059	291.1	.093
									50	13.17	33.50		25.219	275.8	.150
									75	9.99	33.50		25.805	220.1	.212
									100	9.36	33.74		26.096	192.5	.264
									125	9.21	33.94		26.276	175.3	.311
									150	9.14	34.05		26.373	166.1	.354
									200	8.49	34.15		26.554	149.0	.434
									250	8.09	34.17		26.630	141.7	.509
									300	7.66	34.21		26.725	132.8	.580
									400	6.79	34.28		26.902	115.9	.710
									500	5.92	34.34		27.063	100.7	.824

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

97070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 53.5N		119 52.5W		07/11/69		0413 GMT			3738M	320	16KT	2			
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	16.02	33.49		24.604	334.4	0
									10	15.87	33.50		24.645	330.4	.033
									20	14.60	33.40		24.847	311.3	.065
									30	14.23	33.40		24.925	303.8	.096
									50	12.95	33.36		25.155	281.9	.155
									75	11.11	33.45		25.571	242.3	.221
									100	10.32	33.65		25.866	214.4	.278
									125	9.68	33.87		26.145	187.8	.329
									150	9.30	33.97		26.285	174.5	.375
									200	8.61	34.06		26.465	157.4	.460
									250	8.22	34.18		26.619	142.9	.537
									300	7.89	34.28		26.746	130.7	.608
									400	6.68	34.29		26.925	113.8	.736
									500	5.96	34.34		27.058	101.1	.849

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

97080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 33.0N		120 32.0W		07/11/69		0912 GMT			4022M	340	10KT	5			
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	15.41	33.41		24.679	327.2	0
									10	15.42	33.41		24.677	327.5	.033
									20	15.31	33.40		24.693	325.9	.065
									30	15.23	33.41		24.718	323.5	.098
									50	13.95	33.37		24.960	300.5	.161
									75	11.77	33.31		25.342	264.1	.232
									100	10.58	33.51		25.712	229.0	.294
									125	9.59	33.71		26.035	198.2	.348
									150	9.24	33.86		26.209	181.7	.396
									200	8.52	34.01		26.440	159.8	.483
									250	7.52	34.04		26.612	143.5	.561
									300	6.96	34.10		26.738	131.6	.631
									400	6.28	34.20		26.907	115.5	.760
									500	5.74	34.29		27.046	102.3	.875

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

97090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 15.0N		121 11.0W		07/11/69		1428 GMT			3926M	350	11KT	2	340 06 08		
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	17.23	33.36		24.224	370.6	0
									10	17.23	33.37		24.232	369.8	.037
									20	17.23	33.37		24.232	369.8	.074
									30	17.23	33.37		24.232	369.8	.111
									50	16.83	33.38		24.334	360.1	.184
									75	14.75	33.27		24.715	323.8	.270
									100	13.92	33.47		25.043	292.5	.348
									125	12.26	33.55		25.436	255.2	.417
									150	10.93	33.67		25.774	223.0	.478
									200	9.64	33.97		26.229	179.8	.580
									250	8.71	34.07		26.457	158.2	.667
									300	7.96	34.11		26.603	144.4	.745
									400	6.58	34.17		26.844	121.5	.883
									500	6.00	34.27		26.998	106.9	1.004

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

100030

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 40.5N		116 46.5W		07/13/69		1519 GMT			408M	350	06KT	4	290 02 04		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	16.15	33.57		24.636	331.4	0
10									10	15.91	33.56		24.682	326.9	.033
20									20	12.48	33.36		25.247	273.2	.063
30									30	11.45	33.51		25.556	243.8	.089
50									50	10.64	33.62		25.787	221.8	.136
75									75	10.22	33.84		26.030	198.7	.189
100									100	10.11	34.03		26.197	182.9	.237
125									125	10.03	34.08		26.250	177.9	.282
150									150	10.03	34.09		26.257	177.1	.327
200									200	9.59	34.26		26.464	157.5	.413
250									250	9.46	34.29		26.509	153.3	.493
300									300	9.05	34.35		26.622	142.5	.570

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

100030

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 40.5N		116 46.5W		07/13/69		1614 GMT			408M	350	06KT	4	290 02 04		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	16.19	33.59	6.67	.42	5.	.01	.0	330.8							
10	14.73	33.48	6.79	.47	3.	.00	.0	308.0							
30	11.29		4.69	1.28	12.	.15	12.3								
50	10.66	33.65	4.18	1.56	17.	.07	16.6	220.0							
78	10.17		2.48	2.12	27.	.03	20.4								
109	10.11		2.31	2.35	31.	.04	24.8								
147	10.06		2.26	2.40	31.	.03	25.3								
197	9.67		1.74	2.66	37.	.03	27.2								
247	9.49		1.58												
297	9.13		1.09												
347	8.54	34.35	.86					134.9							

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

100035

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 30.5N		117 07.0W		07/13/69		1112 GMT			1184M	310	12KT				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	18.27	33.61		24.164	376.3	0
10									10	18.26	33.62		24.174	375.4	.038
20									20	16.43	33.48		24.503	344.0	.074
30									30	13.50	33.36		25.045	292.4	.106
50									50	11.85	33.42		25.413	257.4	.161
75									75	10.89	33.76		25.851	215.7	.220
100									100	10.39	33.90		26.048	197.0	.272
125									125	10.09	34.05		26.216	181.1	.320
150									150	9.77	34.18		26.371	166.3	.364
200									200	9.35	34.29		26.527	151.6	.445
250									250	8.97	34.32		26.611	143.5	.521
300									300	8.29	34.31		26.710	134.2	.593
400									400	7.37	34.33		26.868	119.2	.726
500									500	6.50	34.36		27.004	106.3	.846

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

100035

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 30.5N		117 07.0W		07/13/69		1146 GMT			1184M	310	12KT				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	18.25	33.61	5.72	.47	1.	.00	.0	375.9							
10	18.26	33.61	5.79	.47	2.	.00	.0	376.1							
30	13.36		6.36	.79	3.	.05	1.6								
50	11.99	33.42	5.74	.86	5.	.17	6.0	259.9							
80	11.00		3.39	1.77	19.	.10	18.8								
109	10.29		2.88	2.05	25.	.02	22.7								
155	9.80		2.08	2.49	34.	.00	26.6								
205	9.33		1.45	2.80	41.	.00	29.2								
253	8.88		1.17												
308	7.76		1.24												
408	7.12	34.34	.52					115.8							
512	6.27	34.37	.35					102.7							

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

100040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 20.5N			117 27.5W			07/13/69		0415 GMT		1915M	300	09KT	1			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	18.19	33.58		24.160	376.6	0	
10									10	18.20	33.58		24.158	376.9	.038	
20									20	16.92	33.59		24.473	346.9	.074	
30									30	15.44	33.55		24.780	317.7	.107	
50									50	12.97	33.48		25.255	272.4	.166	
75									75	11.44	33.62		25.643	235.5	.230	
100									100	10.82	33.84		25.926	208.6	.286	
125									125	10.21	34.03		26.180	184.5	.336	
150									150	10.10	34.13		26.277	175.3	.382	
200									200	8.62	34.09		26.487	155.4	.466	
250									250	8.25	34.18		26.614	143.3	.543	
300									300	8.10	34.29		26.723	133.0	.614	
400									400	7.18	34.31		26.872	118.8	.746	
500									500	6.22	34.32		27.009	105.8	.865	

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

100040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 20.5N			117 27.5W			07/13/69		0706 GMT		1915M	300	09KT	1			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	18.22	33.58	5.63	.49	2.	.00	.0	377.3								
9	18.22	33.58	5.70	.51	2.	.00	.0	377.3								
28	15.75		5.88	.51	2.	.00	.0									
47	12.37		5.65	.54	7.	.10	1.8									
75	11.08		3.34	1.79	20.	.08	18.1									
104	10.55		2.77	2.17	26.	.03	21.9									
147	10.04	34.16	2.02	2.49	34.	.01	25.7	172.1								
195	8.67		2.38	2.52	38.	.01	27.7									
243	8.26		1.83													
298	8.02		1.23													
395	7.32	34.33	.57					119.2								
499	6.27	34.32	.35					106.4								

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

100050

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 00.5N			118 08.5W			07/12/69		2207 GMT		1756M	300	12KT	1	310 05 08		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	17.30	33.66		24.437	350.3	0	
10									10	17.16	33.64		24.455	348.6	.035	
20									20	16.64	33.61		24.554	339.2	.069	
30									30	16.16	33.62		24.672	327.9	.103	
50									50	11.25	33.52		25.600	239.6	.160	
75									75	10.15	33.72		25.949	206.4	.216	
100									100	9.68	33.89		26.160	186.3	.265	
125									125	9.31	33.99		26.299	173.2	.311	
150									150	8.88	34.05		26.415	162.2	.353	
200									200	8.41	34.18		26.590	145.6	.432	
250									250	7.71	34.20		26.710	134.2	.504	
300									300	7.65	34.29		26.789	126.7	.571	
400									400	6.42	34.30		26.967	109.8	.695	
500									500	5.78	34.33		27.073	99.7	.806	

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

100050

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 00.5N			118 08.5W			07/12/69		2238 GMT		1756M	300	12KT	1	310 05 08		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	17.79	33.628	5.74	.47	2.	.00	.0	363.9								
9	17.16	33.625	5.74	.51	2.	.00	.0	349.7								
29	16.16		6.12	.51	2.	.00	.0									
49	11.03		4.42	1.37	14.	.24	13.4									
77	10.00		3.42	1.89	23.	.06	20.3									
106	9.69		2.95	2.10	28.	.02	22.3									
151	8.87	34.039	2.83	2.28	34.	.03	24.5	162.8								
201	8.39		1.99	2.70	44.	.01	25.4									
251	7.92		1.33													
306	7.64	34.277	.85					127.5								
406	6.45	34.242	.43					111.5								
510	5.82		.28													

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

100060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 41.5N			118 47.5W			07/12/69		1525 GMT		3738M	300	06KT	2	300 04 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	17.02	33.47		24.358	357.8	0	
10									10	17.02	33.48		24.365	357.1	.036	
20									20	16.93	33.47		24.379	355.8	.071	
30									30	16.80	33.46		24.402	353.7	.107	
50									50	13.52	33.40		25.072	289.9	.172	
75									75	11.23	33.43		25.534	245.8	.239	
100									100	10.04	33.57		25.851	215.7	.297	
125									125	9.64	33.75		26.058	196.1	.349	
150									150	9.09	33.91		26.272	175.7	.396	
200									200	8.35	34.01		26.466	157.3	.481	
250									250	7.93	34.11		26.607	143.9	.558	
300									300	7.07	34.14		26.754	130.0	.629	
400									400	6.43	34.22		26.903	115.9	.757	
500									500	5.88	34.31		27.045	102.4	.872	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

100060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 41.5N			118 47.5W			07/12/69		1618 GMT		3738M	300	06KT	2	300 04 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	17.07	33.453	5.71	.40	2.	.01	.0	360.2								
10	17.05	33.451	5.58	.51	2.	.03	.0	359.9								
30	16.59		5.76	.54	2.	.01	.0									
50	13.80	33.412	6.39	.58	3.	.04	.7	294.4								
79	10.97		5.03	1.26	12.	.06	12.4									
109	9.75		4.00	1.72	20.	.03	19.1									
154	9.17		2.97	2.21	31.	.02	24.8									
204	8.25		2.69	2.45	40.	.02	27.6									
254	7.68		2.02													
309	6.80		1.80													
408	6.36	34.236	.69					113.8								
513	5.65	34.331	.29					98.2								

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

100070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 20.0N			119 28.0W			07/12/69		0830 GMT		3832M	300	09KT	2			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	17.00A	33.42A		24.324	361.0	0	
10									10	17.00A	33.42A		24.324	361.0	.036	
20									20	16.90A	33.42A		24.348	358.8	.072	
30									30	16.85A	33.43A		24.367	356.9	.108	
50									50	15.10A	33.40A		24.739	321.5	.176	
75									75	12.30A	33.41A		25.320	266.2	.250	
100									100	10.64	33.55		25.732	227.0	.312	
125									125	9.56	33.77		26.087	193.3	.365	
150									150	9.06	33.90		26.269	176.0	.412	
200									200	8.49	34.05		26.476	156.4	.497	
250									250	7.76	34.06		26.593	145.3	.574	
300									300	7.33	34.13		26.710	134.2	.646	
400									400	6.25	34.18		26.895	116.6	.777	
500									500	5.74	34.27		27.031	103.8	.893	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

100070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 20.0N			119 28.0W			07/12/69		0917 GMT		3832M	300	09KT	2			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	17.01	33.425	5.69	.56	2.	.00	.0	360.9								
10	16.99	33.424		.54	2.	.01	.0	360.5								
30	16.85		5.67	.51	2.	.01	.0									
49	13.55	33.366	6.35	.61	3.	.04	.4	292.9								
79	11.80		5.15	1.05	9.	.24	8.8									
109	10.33		4.23	1.58	17.	.04	16.9									
154	8.99		3.26	2.14	31.	.02	25.3									
202	8.51		2.64	2.38	38.	.01	27.4									
251	7.74		2.51													
305	7.23		2.33													
405	6.20	34.20	.94					114.5								
509	5.66	34.267	.51					103.1								

A) THE STD DID NOT RECORD ANY DATA ABOVE 100 METERS ON THIS LOWERING. THE TABULATED DATA ABOVE THAT DEPTH HAS BEEN DETERMINED FROM THE SAMPLE BOTTLE DATA FOR THE STATION AND STD LOWERINGS ON ADJACENT STATIONS.

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

100080

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 01.0N			120 06.5W			07/12/69		0217 GMT		4022M	330	11KT	2	330 02 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	16.74	33.47		24.423	351.6	0	
10									10	16.63	33.49		24.464	347.7	.035	
20									20	16.35	33.47		24.513	343.0	.070	
30									30	16.02	33.44		24.566	338.0	.104	
50									50	14.86	33.37		24.768	318.8	.170	
75									75	12.17	33.38		25.321	266.1	.243	
100									100	10.77	33.50		25.671	232.9	.306	
125									125	9.73	33.67		25.981	203.4	.361	
150									150	9.10	33.85		26.224	180.3	.410	
200									200	8.36	34.00		26.456	158.2	.496	
250									250	7.87	34.07		26.585	146.1	.574	
300									300	7.50	34.15		26.701	135.0	.647	
400									400	6.37	34.21		26.903	115.9	.777	
500									500	5.57	34.27		27.052	101.8	.892	

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

100080

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 01.0N			120 06.5W			07/12/69		0335 GMT		4022M	330	11KT	2	330 02 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	16.76	33.451	6.140	.49	2.	.00	.0	353.4								
9	16.65	33.449	5.86	.51	2.	.00	.0	351.1								
29	16.05		5.96	.51	2.	.00	.0									
49	15.22	33.359	5.92	.51	1.	.00	.0	327.0								
79	12.16		5.48	.91	7.	.29	6.3									
108	10.22		4.28	1.56	17.	.02	16.9									
153	9.13		3.43	2.05	28.	.01	23.7									
203	8.28		2.96	2.21	37.	.00	26.9									
254	7.86		2.27													
309	7.37		1.68													
408	6.18	34.187	.96						115.2							
513	5.46	34.276	.37						100.1							

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

100090

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 38.5N			120 46.5W			07/11/69		1937 GMT		3964M	360	06KT	2	310 02 07		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	16.93	33.29		24.241	368.9	0	
10									10	16.76	33.30		24.289	364.4	.037	
20									20	16.55	33.28		24.322	361.2	.073	
30									30	16.30	33.24		24.349	358.7	.109	
50									50	15.47	33.25		24.543	340.2	.179	
75									75	13.45	33.14		24.885	307.6	.261	
100									100	13.42	33.54		25.200	277.7	.334	
125									125	11.85	33.53		25.498	249.3	.401	
150									150	10.67	33.58		25.750	225.3	.461	
200									200	9.21	33.91		26.253	177.6	.563	
250									250	8.97	34.15		26.479	156.1	.649	
300									300	7.75	34.08		26.610	143.7	.726	
400									400	6.63	34.15		26.822	123.6	.865	
500									500	6.16	34.29		26.993	107.3	.987	

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

100090

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 38.5N			120 46.5W			07/11/69		2040 GMT		3964M	360	06KT	2	310 02 07		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	16.98	33.276	5.67	.49	2.	.00	.0	371.1								
9	16.74	33.261	5.55	.49	2.	.02	.0	366.8								
29	16.21		5.78	.49	2.	.01	.0									
49	14.38	33.115	6.18	.49	2.	.02	.0	327.7								
78	13.15		5.93	.51	2.	.00	.0									
108	12.89		5.57	.65	4.	.16	2.7									
152	10.25		4.67	1.19	13.	.02	12.5									
201	9.25		1.670	1.82	26.	.02	21.6									
252	8.63		2.70													
307	7.59		2.67													
406	6.74	34.196	.96						121.6							
511	6.10	34.291	.41						106.5							

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 103030

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 06.0N		116 24.5W		07/13/69	2251 GMT				67M	310	10KT	1	310 02 04		
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	16.76	33.50		24.442	349.8	0
									10	13.61	33.41		25.061	290.9	.032
									20	11.57	33.42		25.464	252.5	.059
									30	11.07	33.49		25.610	238.7	.084
									50	10.35	33.76		25.946	206.7	.129

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 103035

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 56.0N		116 45.0W		07/14/69	0135 GMT				1883M	310	10KT	0	310 03 05		
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	18.20	33.58		24.158	376.9	0
									10	18.18	33.60		24.178	375.0	.038
									20	16.58	33.49		24.476	346.6	.074
									30	15.81	33.42		24.598	335.0	.108
									50	13.05	33.40		25.166	280.9	.170
									75	11.36	33.59		25.635	236.3	.235
									100	10.67	33.71		25.851	215.7	.292
									125	9.81	33.81		26.077	194.3	.344
									150	9.47	33.95		26.242	178.6	.391
									200	9.10	34.14		26.450	158.8	.477
									250	8.30	34.14		26.575	147.0	.555
									300	7.72	34.17		26.685	136.6	.629
									400	6.96	34.26		26.863	119.6	.762
									500	6.10	34.30		27.009	105.8	.882

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 103040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 45.5N		117 05.0W		07/14/69	0436 GMT				1756M	320	17KT	1			
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	17.90	33.61		24.254	367.7	0
									10	17.90	33.61		24.254	367.7	.037
									20	16.60	33.50		24.479	346.3	.073
									30	14.69	33.39		24.820	313.8	.106
									50	12.93	33.39		25.182	279.4	.165
									75	11.37	33.42		25.501	249.0	.232
									100	10.41	33.57		25.788	221.7	.291
									125	9.88	33.81		26.065	195.4	.344
									150	9.31	33.95		26.268	176.1	.391
									200	8.48	34.10		26.516	152.6	.475
									250	8.32	34.25		26.658	139.1	.549
									300	7.64	34.27		26.775	128.0	.619
									400	6.79	34.31		26.926	113.7	.745
									500	6.13	34.36		27.052	101.7	.859

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 103050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 27.5N		117 45.0W		07/14/69	1012 GMT				2781M	310	13KT				
Z	T	S	02	P04	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	16.87	33.56		24.462	347.9	0
									10	16.88	33.57		24.467	347.4	.035
									20	16.63	33.53		24.495	344.8	.069
									30	16.41	33.54		24.553	339.2	.104
									50	15.66	33.63		24.792	316.5	.170
									75	12.45	33.44		25.314	266.8	.243
									100	10.39	33.49		25.729	227.3	.305
									125	9.68	33.69		26.005	201.1	.359
									150	9.13	33.89		26.250	177.8	.407
									200	8.42	34.01		26.455	158.4	.493
									250	7.71	34.10		26.632	141.6	.570
									300	7.08	34.12		26.737	131.6	.640
									400	6.54	34.26		26.920	114.3	.768
									500	5.96	34.32		27.043	102.6	.883

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 103060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
10 10.0N		116 23.0W		07/14/69	1550 GMT		3226M	340	11KT	2	330 04 06				
Z	T	S	OZ	PO4	SI03	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD
									0	16.92	33.31		24.259	367.3	0
									10	16.92	33.31		24.259	367.3	.037
									20	16.69	33.33		24.328	360.7	.073
									30	16.35	33.30		24.383	355.4	.109
									50	15.42	33.43		24.692	326.0	.177
									75	14.50	33.42		24.883	307.8	.257
									100	13.09	33.51		25.243	273.6	.330
									125	11.78	33.56		25.534	245.9	.396
									150	9.82	33.61		25.919	209.3	.454
									200	9.53	34.05		26.310	172.1	.551
									250	8.96	34.21		26.527	151.5	.634
									300	8.20	34.22		26.653	139.6	.709
									400	6.90	34.23		26.848	121.1	.845
									500	6.18	34.31		27.007	106.0	.965

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 103070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
29 47.0N		119 03.0W		07/14/69	2107 GMT		4309M	320	13KT	1	310 05 06				
Z	T	S	OZ	PO4	SI03	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD
									0	17.06	33.29		24.211	371.8	0
									10	16.91	33.27		24.231	369.9	.037
									20	16.63	33.32		24.334	360.1	.074
									30	15.93	33.29		24.471	347.0	.109
									50	15.21	33.19		24.554	339.1	.178
									75	13.13	33.27		25.050	291.9	.257
									100	11.79	33.27		25.308	267.4	.328
									125	10.78	33.39		25.583	241.2	.392
									150	10.05	33.57		25.849	215.9	.450
									200	9.05	33.92		26.286	174.4	.549
									250	8.24	34.09		26.545	149.8	.632
									300	7.49	34.13		26.687	136.4	.706
									400	6.78	34.23		26.864	119.5	.839
									500	6.45	34.36		27.011	105.7	.959

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 103080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
29 27.0N		119 43.5W		07/15/69	0232 GMT		4499M	340	12KT	1	310 03 04				
Z	T	S	OZ	PO4	SI03	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD
									0	16.56	33.24		24.289	364.4	0
									10	16.52	33.23		24.291	364.2	.036
									20	16.23	33.21		24.342	359.4	.073
									30	15.88	33.22		24.429	351.1	.108
									50	14.62	33.12		24.627	332.1	.177
									75	13.46	33.16		24.899	306.3	.257
									100	13.62	33.59		25.198	277.9	.331
									125	11.63	33.41		25.446	254.3	.398
									150	10.76	33.60		25.750	225.3	.459
									200	9.35	33.84		26.176	184.9	.563
									250	8.13	34.01		26.499	154.2	.650
									300	7.46	34.05		26.628	141.9	.726
									400	7.02	34.21		26.816	124.1	.865
									500	5.95	34.26		26.997	107.0	.986

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 107032

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
30 26.0N		116 11.0W		07/16/69	1055 GMT		399M	330	07KT	2					
Z	T	S	OZ	PO4	SI03	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD
									0	16.20	33.50		24.571	337.6	0
									10	15.35	33.52		24.776	318.0	.033
									20	13.88	33.41		25.087	288.4	.063
									30	12.22	33.52		25.420	256.7	.090
									50	10.59	33.61		25.788	221.8	.138
									75	10.10	33.72		25.958	205.6	.192
									100	10.29	34.01		26.151	187.3	.242
									125	10.53	34.21		26.264	176.5	.288
									150	10.56	34.27		26.306	172.5	.332
									200	10.52	34.37		26.391	164.5	.418
									250	10.14	34.40		26.480	156.0	.501
									300	9.69	34.45		26.595	145.1	.579

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 107035

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 21.0N		116 22.5W		07/16/69	0828	GMT		1756M	330	08KT	2				
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.97	33.59		24.222	370.8	0
									10	17.97	33.59		24.222	370.8	.037
									20	17.43	33.55		24.322	361.3	.074
									30	15.45	33.43		24.685	326.6	.108
									50	13.11	33.41		25.162	281.3	.169
									75	11.07	33.53		25.641	235.7	.234
									100	10.27	33.67		25.890	212.1	.291
									125	9.63	33.82		26.114	190.7	.342
									150	9.32	33.99		26.298	173.3	.388
									200	8.92	34.13		26.471	156.9	.472
									250	8.37	34.17		26.588	145.8	.550
									300	8.01	34.25		26.705	134.7	.622
									400	6.73	34.23		26.871	118.9	.755
									500	6.50	34.34		26.988	107.8	.875

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 107040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 10.0N		116 42.0W		07/16/69	0516	GMT		2790M	300	13KT	1		290 05 08		
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	18.40	33.55		24.086	383.8	0
									10	18.39	33.55		24.088	383.5	.038
									20	17.65	33.51		24.238	369.2	.076
									30	17.00	33.46		24.355	358.1	.113
									50	14.03	33.28		24.874	308.6	.179
									75	12.12	33.39		25.339	264.5	.251
									100	11.14	33.51		25.613	238.4	.315
									125	10.34	33.70		25.901	211.0	.372
									150	9.42	33.93		26.234	179.3	.421
									200	8.96	34.17		26.496	154.5	.506
									250	8.56	34.26		26.629	141.9	.582
									300	7.95	34.26		26.722	133.1	.654
									400	6.76	34.25		26.883	117.8	.785
									500	5.94	34.31		27.037	103.1	.901

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 107050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 51.0N		117 21.5W		07/15/69	2335	GMT		2509M	320	14KT	2		320 06 07		
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.84	33.39		24.101	382.3	0
									10	17.84	33.39		24.101	382.3	.038
									20	17.60	33.39		24.159	376.8	.076
									30	16.98	33.40		24.314	362.0	.113
									50	14.94	33.31		24.705	324.8	.182
									75	14.22	33.49		24.996	297.0	.260
									100	12.59	33.41		25.264	271.6	.332
									125	10.89	33.44		25.603	239.3	.396
									150	9.98	33.60		25.885	212.5	.454
									200	8.81	33.94		26.340	169.3	.551
									250	8.46	34.13		26.543	150.0	.633
									300	7.96	34.18		26.657	139.2	.707
									400	6.92	34.27		26.877	118.4	.842
									500	6.35	34.27		26.953	111.1	.962

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 107060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 32.0N		118 01.5W		07/15/69	1748	GMT		3623M	320	13KT	2		340 06 09		
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.66	33.36		24.122	380.4	0
									10	17.65	33.37		24.132	379.4	.038
									20	17.63	33.37		24.136	378.9	.076
									30	17.02	33.38		24.289	364.4	.113
									50	15.11	33.38		24.722	323.2	.182
									75	13.82	33.35		24.972	299.4	.260
									100	11.81	33.39		25.397	258.9	.331
									125	11.05	33.57		25.675	232.4	.393
									150	10.36	33.84		26.006	201.0	.448
									200	10.01	34.20		26.346	168.7	.542
									250	9.89	34.37		26.499	154.2	.625
									300	9.67	34.48		26.622	142.5	.702
									400	7.81	34.33		26.797	125.9	.843
									500	6.77	34.34		26.952	111.2	.969

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

107070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 11.0N			118 41.5W			07/15/69		1212 GMT		3130M	330	12KT	2	05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	18.22	33.51		24.100	382.4	0	
10									10	18.21	33.51		24.102	382.2	.038	
20									20	18.02	33.49		24.133	379.2	.076	
30									30	17.83	33.47		24.164	376.3	.114	
50									50	16.80	33.66		24.555	339.1	.186	
75									75	14.99	33.34		24.717	323.6	.269	
100									100	13.54	33.42		25.083	288.8	.346	
125									125	11.83	33.49		25.470	251.9	.415	
150									150	10.88	33.59		25.721	228.1	.475	
200									200	9.16	33.83		26.199	182.7	.580	
250									250	8.10	34.01		26.504	153.8	.666	
300									300	7.55	34.07		26.631	141.7	.742	
400									400	7.13	34.27		26.848	121.1	.879	
500									500	6.23	34.29		26.984	108.2	1.000	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

107080

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 52.0N			119 19.5W			07/15/69		0712 GMT		3604M	340	15KT	2			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	17.81	33.35		24.078	384.5	0	
10									10	17.81	33.35		24.078	384.5	.038	
20									20	17.82	33.35		24.075	384.8	.077	
30									30	17.58	33.34		24.125	380.0	.115	
50									50	16.30	33.36		24.441	349.9	.189	
75									75	14.70	33.27		24.726	322.8	.273	
100									100	14.28	33.39		24.907	305.5	.352	
125									125	13.33	33.47		25.164	281.1	.426	
150									150	11.00	33.47		25.607	239.0	.492	
200									200	9.49	33.87		26.176	184.8	.600	
250									250	8.50	34.03		26.458	158.0	.688	
300									300	8.19	34.12		26.584	146.2	.766	
400									400	7.39	34.28		26.819	123.9	.907	
500									500	6.57	34.33		26.971	109.4	1.031	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

110035

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 46.0N			116 00.0W			07/16/69		1807 GMT		1243M	280	02KT	2	310 03 08		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	17.93	33.56		24.209	372.0	0	
10									10	17.69	33.58		24.282	365.0	.037	
20									20	17.09	33.49		24.357	357.9	.073	
30									30	14.67	33.48		24.893	306.8	.106	
50									50	12.13	33.45		25.383	260.2	.163	
75									75	10.64	33.56		25.740	226.3	.224	
100									100	10.30	33.84		26.017	200.0	.278	
125									125	10.34	34.12		26.228	180.0	.326	
150									150	10.54	34.24		26.286	174.4	.371	
200									200	10.60	34.39		26.392	164.3	.458	
250									250	9.97	34.42		26.525	151.8	.539	
300									300	9.56	34.43		26.601	144.5	.616	
400									400	7.97	34.37		26.805	125.2	.758	
500									500	6.72	34.37		26.983	108.3	.882	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

110035

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 46.0N			116 00.0W			07/16/69		1834 GMT		1243M	280	02KT	2	310 03 08		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	17.89	33.58	5.63	.42	2.	.00	.0	369.7								
9	17.73	33.58	5.72	.47	2.	.00	.0	366.0								
29	14.57		6.22	.49	2.	.00	.0									
49	12.52		5.43	.84	7.	.16	5.4									
78	10.29		4.47	1.30	14.	.03	14.4									
107	9.99		3.04	2.00	26.	.06	23.0									
153	10.54	34.25	1.28	2.52	36.	.24	27.4	173.7								
203	10.66		.80	2.98	39.	.03	28.8									
252	10.02		.93													
307	9.48		.87													
407	7.86	34.38	.57					122.9								
511	6.52		.28													

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

110040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 36.5N			116 19.5W			07/16/69		2228 GMT		2483M	280	07KT	2			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	18.89	33.62		24.017	390.3	0	
10									10	18.55	33.63		24.110	381.5	.039	
20									20	17.65	33.54		24.261	367.0	-.076	
30									30	16.19	33.45		24.535	341.0	.112	
50									50	15.03	33.41		24.762	319.3	.178	
75									75	12.59	33.42		25.272	270.8	.252	
100									100	11.37	33.49		25.555	243.8	.317	
125									125	9.98	33.72		25.978	203.7	.373	
150									150	9.52	33.87		26.171	185.3	.423	
200									200	8.86	34.07		26.434	160.4	.511	
250									250	8.54	34.17		26.562	148.2	.590	
300									300	8.20	34.27		26.692	135.9	.664	
400									400	7.49	34.35		26.859	120.0	.797	
500									500	6.46	34.33		26.986	108.0	.918	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

110040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 36.5N			116 19.5W			07/16/69		2302 GMT		2483M	280	07KT	2			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	18.96	33.63	5.48	.47	1.	.00	.0	391.3								
9	18.53	33.62	5.49	.49	1.	.00	.0	381.7								
29	16.93		5.76	.47	2.	.00	.0									
49	15.09		6.05	.49	2.	.00	.0									
79	12.28		5.33	.93	8.	.17	6.3									
109	10.78		3.98	1.49	17.	.03	15.6									
153	9.34	33.97	3.00	2.10	29.	.00	24.6	175.1								
203	8.77		2.68	2.40	36.	.00	26.7									
252	8.38		2.05													
306	7.99	34.30	1.07					130.7								
406	7.34	34.36	.50					117.2								
510	6.48		.24													

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

110050

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 16.0N			116 59.0W			07/17/69		0452 GMT		3461M	310	07KT	2			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	17.97	33.42		24.092	383.1	0	
10									10	17.76	33.44		24.158	376.8	.038	
20									20	17.71	33.42		24.155	377.1	-.076	
30									30	17.41	33.38		24.197	373.2	.113	
50									50	13.82	33.18		24.841	311.8	.182	
75									75	12.89	33.35		25.159	281.5	.257	
100									100	12.22	33.40		25.327	265.5	.326	
125									125	10.58	33.70		25.859	214.9	.386	
150									150	10.49	34.04		26.139	188.3	.437	
200									200	10.05	34.27		26.394	164.1	.527	
250									250	9.82	34.40		26.534	150.8	.609	
300									300	9.27	34.43		26.649	140.0	.684	
400									400	8.20	34.42		26.809	124.7	.823	
500									500	6.95	34.38		26.959	110.6	.948	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

110050

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 16.0N			116 59.0W			07/17/69		0631 GMT		3461M	310	07KT	2			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	18.01	33.44	5.79	.49	2.	.00	.0	382.6								
9	17.80	33.46	5.92A	.49	1.	.00	.0	376.3								
29	17.41		6.06	.49	1.	.00	.0									
49	13.90	33.17	6.42	.47	2.	.00	.0	314.1								
78	12.78		5.97	.72	4.	.09	3.0									
108	11.28		5.23	1.03	8.	.04	8.5									
153	10.21		2.77	2.24	28.	.01	23.2									
203	10.15		1.88	2.63	36.	.00	27.0									
252	9.66		1.33													
307	9.34		.88													
407	8.29	34.48	.56					121.6								
511	6.84	34.42	.53					106.2								

A) AN ERROR IN THE BURETTE READING OF -0.2 HAS BEEN ASSUMED FOR THIS OXYGEN VALUE.

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

110060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 56.5N		117 38.5W		07/17/69		1115 GMT			3661M	310	06KT	2			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	17.89	33.47		24.150	377.7	0
10									10	17.89	33.47		24.150	377.7	.038
20									20	17.87	33.47		24.155	377.2	.076
30									30	17.40	33.46		24.260	367.1	.113
50									50	14.69	33.34		24.781	317.5	.182
75									75	13.34	33.37		25.085	288.6	.258
100									100	11.56	33.52		25.544	244.9	.325
125									125	10.55	33.82		25.958	205.6	.382
150									150	10.77	34.18		26.208	181.9	.431
200									200	10.75	34.45		26.412	162.4	.519
250									250	10.11	34.46		26.532	151.1	.600
300									300	9.84	34.50		26.609	143.8	.677
400									400	8.67	34.50		26.800	125.7	.818
500									500	7.40	34.44		26.943	112.1	.945

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

110060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 56.5N		117 38.5W		07/17/69		1229 GMT			3661M	310	06KT	2			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	17.90	33.49	5.70	.47	2.	.00	.0	376.4							
10	17.90	33.49	5.69	.47	2.	.00	.0	376.4						6.4	
30	17.31		5.77	.49	2.	.00	.0							6.4	
50	14.84	33.35	6.42	.44	2.	.00	.0	319.8							
79	13.12		6.15	.58	3.	.05	.9								
109	10.97		4.40	1.47	17.	.03	15.7							9.8	
153	10.73		1.98	2.40	34.	.02	26.6								
203	10.68		1.05		40.	.02	28.7								
253	10.14		1.02												
308	9.48		.86												
407	8.22	34.48 A	.40					120.6							
512	7.27	34.46 A	.23					108.8							

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

110070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 36.5N		118 18.0W		07/17/69		1731 GMT			3471M	230	04KT	2			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	18.71	33.65		24.085	383.9	0
10									10	18.69	33.65		24.090	883.4	.038
20									20	17.98	33.64		24.258	367.4	.076
30									30	16.92	33.57		24.458	348.3	.112
50									50	13.60	33.54		25.163	281.1	.175
75									75	11.83	33.58		25.540	245.3	.241
100									100	11.06	33.72		25.790	221.6	.300
125									125	10.62	33.97		26.062	195.7	.353
150									150	10.32	34.13		26.239	178.9	.400
200									200	9.61	34.25		26.453	158.6	.487
250									250	8.73	34.29		26.626	142.1	.564
300									300	8.37	34.35		26.729	132.4	.635
400									400	7.48	34.37		26.877	118.4	.767
500									500	6.48	34.37		27.015	105.3	.885

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

110070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 36.5N		118 18.0W		07/17/69		1805 GMT			3471M	230	04KT	2			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	18.99	33.66	5.54	.47	2.	.00	.0	389.8							
9	18.72	33.65	5.57	.47	2.	.00	.0	384.1							
29	17.31		5.80	.44	2.	.00	.0								
49	13.58	33.58	6.04	.65	3.	.04	.6	277.8							
78	11.41		4.21	1.33	14.	.07	14.2								
108	10.74		3.10	1.98	23.	.03	21.6								
152	10.26		2.16	2.35	31.	.01	26.3								
202	9.57		1.67	2.66	39.	.00	29.3								
252	8.74		1.42												
306	8.29		.96												
406	7.54	34.41	.59					116.2							
510	6.53	34.40	.37					103.7							

A) THE SALINITY SAMPLES AT 407 AND 512 METERS APPEAR TO HAVE BEEN REVERSED. THEY ARE ASSUMED TO NOW BE IN THE CORRECT ORDER.

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

110080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 16.5N		118 56.0W		07/17/69	2240	NO2	NO3	DT	3926M	260	05KT	2	280 06 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	18.26	33.50		24.082	384.1	0
									10	18.22	33.48		24.077	384.6	.038
									20	18.18	33.49		24.094	383.0	.077
									30	17.90	33.48		24.155	377.2	.115
									50	16.88	33.55		24.452	348.9	.188
									75	15.07	33.33		24.692	326.0	.273
									100	13.57	33.34		25.015	295.2	.351
									125	12.32	33.48		25.370	261.5	.421
									150	11.09	33.66		25.738	226.5	.483
									200	10.00	34.08		26.255	177.4	.586
									250	8.77	34.13		26.495	154.6	.671
									300	8.07	34.22		26.672	137.7	.747
									400	6.97	34.27		26.870	119.0	.881
									500	6.53	34.35		26.992	107.4	1.001

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

110080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 16.5N		118 56.0W		07/17/69	2316	NO2	NO3	DT	3926M	260	05KT	2	280 06 06		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	18.78	33.469	5.51	.47	2.	.00	.0	398.7							
10	18.22	33.468	5.62	.47	1.	.00	.0	385.5							
30	17.74		5.62	.47	2.	.00	.0								
50	15.94	33.402	5.83	.47	1.	.00	.0	339.1							
79	14.62		5.94	.47	1.	.00	.0								
108	12.76		5.59	.70	5.	.15	2.9								
150	10.90		4.30	1.37	15.	.01	15.0								
199	9.87		2.73	2.21	31.	.00	26.0								
250	8.71		2.63												
304	8.17		1.50												
404	6.94	34.254	.83					119.8							
510	6.49	34.357	.42					106.4							

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

113030

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 11.5N		115 18.0W		07/19/69	0827	NO2	NO3	DT	63M	320	13KT				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.41	33.69		24.894	306.8	0
									10	14.50	33.70		25.099	287.3	.030
									20	11.00	33.55		25.669	233.1	.056
									30	11.02	33.71		25.789	221.6	.079
									50	10.93	33.93		25.976	203.8	.121

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

113035

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 11.5N		115 38.0W		07/19/69	0525	NO2	NO3	DT	1262M	300	17KT	1			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	18.25	33.56		24.130	379.5	0
									10	18.05	33.54		24.164	376.3	.038
									20	14.65	33.49		24.905	305.7	.072
									30	13.11	33.43		25.177	279.8	.101
									50	11.59	33.67		25.654	234.4	.153
									75	10.28	33.73		25.935	207.8	.209
									100	10.15	33.99		26.159	186.5	.258
									125	9.82	34.10		26.301	173.0	.304
									150	9.94	34.24		26.390	164.6	.347
									200	9.81	34.37		26.513	152.9	.428
									250	9.35	34.38		26.597	144.9	.505
									300	9.01	34.45		26.707	134.5	.577
									400	8.07	34.41		26.821	123.6	.713
									500	6.96	34.39		26.965	110.0	.837

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 113040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 02.0N		115 57.0W		07/19/69	0224 GMT				1922M	320	13KT	1	320 03 07		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	18.84	33.60		24.014	390.6	0
									10	18.05	33.56		24.179	374.8	.038
									20	16.80	33.60		24.509	343.4	.074
									30	13.35	33.66		25.306	267.5	.105
									50	10.53	33.75		25.907	210.4	.153
									75	9.77	33.82		26.091	192.9	.204
									100	10.10	34.15		26.292	173.8	.250
									125	9.93	34.18		26.344	168.9	.293
									150	10.05	34.35		26.456	158.2	.335
									200	9.19	34.34		26.592	145.4	.413
									250	9.10	34.45		26.692	135.9	.485
									300	8.46	34.41		26.762	129.3	.554
									400	7.68	34.40		26.871	118.9	.684
									500	6.45	34.37		27.019	104.9	.803

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 113050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 41.0N		116 38.0W		07/18/69	2018 GMT				3527M	320	08KT	1	310 06 07		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	18.66	33.48		23.968	395.0	0
									10	17.86	33.46		24.149	377.7	.039
									20	17.54	33.45		24.219	371.1	.076
									30	15.75	33.34		24.550	339.6	.112
									50	14.04	33.28		24.872	308.8	.177
									75	12.76	33.32		25.161	281.3	.251
									100	11.53	33.49		25.526	246.6	.317
									125	10.55	33.74		25.896	211.5	.375
									150	10.29	33.98		26.127	189.5	.426
									200	9.95	34.25		26.396	164.0	.516
									250	9.50	34.36		26.557	148.7	.597
									300	8.81	34.36		26.668	138.2	.671
									400	7.61	34.36		26.850	120.9	.807
									500	6.65	34.37		26.992	107.4	.928

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 113060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 22.0N		117 16.0W		07/18/69	1456 GMT				3581M	330	06KT	1	320 06 07		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	18.67	33.54		24.011	390.9	0
									10	18.30	33.55		24.110	381.4	.039
									20	18.06	33.54		24.162	376.5	.077
									30	17.37	33.54		24.328	360.6	.114
									50	15.25	33.42		24.722	323.2	.182
									75	12.09	33.52		25.445	254.4	.255
									100	10.72	33.59		25.749	225.4	.315
									125	10.10	33.84		26.051	196.7	.369
									150	9.91	34.02		26.223	180.4	.416
									200	9.71	34.32		26.491	155.0	.502
									250	9.23	34.36		26.601	144.5	.579
									300	8.64	34.37		26.703	134.9	.652
									400	7.44	34.39		26.898	116.4	.783
									500	6.58	34.41		27.033	103.6	.900

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 113070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 01.5N		117 55.0W		07/18/69	0948 GMT				3098M	310	04KT	1			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.33	33.63		23.913	400.3	0
									10	18.93	33.67		24.045	387.7	.039
									20	18.76	33.68		24.095	382.9	.078
									30	17.01	33.56		24.429	351.1	.115
									50	13.78	33.52		25.111	286.1	.179
									75	11.94	33.70		25.612	238.4	.245
									100	10.32	33.75		25.943	207.0	.301
									125	9.80	33.97		26.203	182.3	.350
									150	9.54	34.05		26.308	172.3	.395
									200	8.98	34.22		26.532	151.1	.478
									250	8.54	34.28		26.648	140.1	.553
									300	8.11	34.34		26.760	129.4	.622
									400	7.30	34.40		26.926	113.7	.750
									500	6.28	34.38		27.049	102.1	.864

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

113080

Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	WEATHER		DOMINANT WAVES		
												02	SIGT	DT	DD	
									0	18.41	33.49		24.038	388.4		0
									10	18.08	33.50		24.126	379.9		.038
									20	17.98	33.50		24.151	377.6		.076
									30	17.50	33.48		24.252	368.0		.114
									50	15.57	33.40		24.636	331.4		.184
									75	15.07	33.48		24.807	315.0		.265
									100	13.34	33.43		25.131	284.2		.341
									125	11.99	33.55		25.487	250.3		.408
									150	11.03	33.78		25.842	216.6		.467
									200	8.87	33.96		26.346	168.7		.565
									250	8.59	34.16		26.546	149.7		.647
									300	8.28	34.24		26.656	139.3		.722
									400	7.59	34.38		26.868	119.1		.857
									500	6.54	34.39		27.022	104.6		.976

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

117030

Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	WEATHER		DOMINANT WAVES		
												02	SIGT	DT	DD	
									0	17.70	33.59		24.287	364.5		0
									10	17.61	33.58		24.301	363.2		.036
									20	15.17	33.57		24.854	310.5		.070
									30	14.60	33.51		24.931	303.2		.101
									50	11.87	33.47		25.448	254.1		.157
									75	10.81	33.59		25.733	226.9		.217
									100	10.59	34.17		26.223	180.4		.269

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

117035

Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	WEATHER		DOMINANT WAVES		
												02	SIGT	DT	DD	
									0	18.03	33.56		24.184	374.4		0
									10	18.04	33.56		24.182	374.6		.037
									20	17.96	33.56		24.201	372.7		.075
									30	16.20	33.43		24.517	342.7		.111
									50	13.69	33.47		25.091	288.0		.174
									75	11.21	33.50		25.592	240.3		.240
									100	10.55	33.75		25.903	210.8		.297
									125	10.61	34.08		26.149	187.4		.348
									150	10.34	34.17		26.266	176.3		.394
									200	10.27	34.26		26.349	168.5		.482

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

117040

Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	WEATHER		DOMINANT WAVES		
												02	SIGT	DT	DD	
									0	18.32	33.58		24.128	379.7		0
									10	17.14	33.56		24.398	354.0		.037
									20	15.20	33.56		24.840	311.9		.070
									30	12.33	33.43		25.329	265.3		.099
									50	10.96	33.55		25.676	232.4		.149
									75	10.50	33.85		25.990	202.5		.204
									100	10.52	34.12		26.196	182.9		.252
									125	10.54	34.19		26.247	178.1		.298
									150	10.47	34.24		26.298	173.3		.343
									200	10.37	34.31		26.370	166.4		.430
									250	10.32	34.34		26.402	163.4		.514
									300	9.84	34.44		26.562	148.2		.595
									400	8.12	34.43		26.829	122.9		.738
									500	6.95	34.39		26.967	109.8		.861

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

117050

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2		SIGT	DT	DD					
	28	07.0N		116	16.0W	07/20/69			2312	GMT	4117M	330	17KT	2	310	04	06				
0												19.99	33.63		23.742	416.5		0			
10												19.97	33.63		23.748	416.0		.042			
20												19.10	33.58		23.933	398.3		.082			
30												16.75	33.51		24.452	348.9		.120			
50												14.05	33.43		24.986	298.0		.185			
75												12.22	33.58		25.466	252.3		.254			
100												10.80	33.76		25.867	214.2		.313			
125												9.97	33.91		26.128	189.5		.364			
150												9.64	34.09		26.323	170.9		.410			
200												9.26	34.24		26.502	153.9		.493			
250												8.71	34.29		26.629	141.9		.569			
300												8.17	34.34		26.751	130.3		.639			
400												7.21	34.37		26.915	114.7		.768			
500												6.45	34.39		27.034	103.4		.883			

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

117060

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2		SIGT	DT	DD					
	27	48.0N		116	53.0W	07/21/69			0400	GMT	3623M	340	12KT	2							
0												19.83	33.67		23.814	409.6		0			
10												19.82	33.67		23.817	409.4		.041			
20												17.95	33.49		24.150	377.6		.080			
30												16.64	33.51		24.477	346.5		.117			
50												13.50	33.47		25.130	284.3		.180			
75												10.95	33.65		25.755	224.8		.244			
100												10.29	33.78		25.972	204.3		.298			
125												9.87	33.96		26.183	184.2		.347			
150												9.56	34.07		26.321	171.1		.392			
200												9.14	34.19		26.483	155.7		.476			
250												8.85	34.32		26.631	141.7		.552			
300												8.50	34.38		26.732	132.1		.623			
400												7.19	34.35		26.902	116.0		.753			
500												6.46	34.39		27.033	103.5		.870			

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

117070

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2		SIGT	DT	DD					
	27	28.0N		117	32.0W	07/21/69			0905	GMT	3738M	320	11KT	2							
0												18.91	33.55		23.958	395.9		0			
10												18.70	33.51		23.981	393.8		.040			
20												17.87	33.46		24.147	377.9		.078			
30												17.59	33.47		24.222	370.7		.116			
50												16.20	33.35		24.456	348.5		.188			
75												13.45	33.44		25.117	285.6		.267			
100												11.58	33.58		25.587	240.9		.334			
125												10.93	33.81		25.883	212.7		.391			
150												10.25	33.94		26.103	191.8		.442			
200												9.48	34.17		26.412	162.5		.533			
250												9.07	34.29		26.572	147.3		.612			
300												8.55	34.34		26.693	135.8		.686			
400												7.14	34.37		26.925	113.8		.817			
500												6.54	34.39		27.022	104.6		.933			

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

117080

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2		SIGT	DT	DD					
	27	08. N		118	10.5W	07/21/69			1400	GMT	4309M	350	13KT	2	340	04					
0												19.19	33.59		23.918	399.8		0			
10												19.19	33.59		23.918	399.8		.040			
20												19.12	33.62		23.959	395.9		.080			
30												18.58	33.50		24.003	391.7		.119			
50												16.42	33.55		24.559	338.7		.193			
75												15.23	33.51		24.795	316.2		.275			
100												13.00	33.42		25.191	278.5		.350			
125												11.45	33.59		25.618	237.9		.415			
150												10.82	33.80		25.895	211.6		.472			
200												9.75	34.11		26.320	171.2		.569			
250												9.17	34.17		26.462	157.7		.654			
300												8.94	34.35		26.640	140.9		.731			
400												7.82	34.38		26.835	122.3		.869			
500												6.94	34.40		26.976	108.9		.992			

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6907 118039

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 18.5N		115 24.0W		07/20/69		1338 GMT			233M	330	09KT	1			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	19.39	33.70		23.951	396.6	0
10									10	17.15	33.74		24.533	341.1	.037
20									20	14.87	33.77		25.073	289.7	.068
30									30	14.16	33.79		25.240	273.8	.097
50									50	11.83	33.85		25.749	225.4	.147
75									75	11.33	33.92		25.896	211.5	.202
100									100	10.88	33.99		26.032	198.6	.254
125									125	10.78	34.05		26.096	192.5	.303
150									150	10.67	34.14		26.185	184.0	.351
200									200	10.21	34.31		26.398	163.8	.440

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6907 118039

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 18.5N		115 24.0W		07/20/69		1402 GMT			233M	330	09KT	1			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	19.31	33.666	5.69	.40	5.	.00	.0	397.2							
9	16.62	33.748	6.42	.54	8.	.07	.7	328.7							
29	13.98		5.13	1.03	10.	.21	6.8								
44	12.14		3.14	1.77	21.	.71	16.5								
53	11.75		2.86	2.05	24.	.79	18.5								
68	11.44		2.71	2.14	26.	.85	20.2								
83	11.15	33.910	2.14	2.45	29.	.89	22.6	209.1							
103	10.90		2.14	2.38	31.	.13	25.1								
128	10.78		1.81	2.56	34.	.11	26.3								
148	10.72		1.80	2.52	34.	.05	26.6								
178	10.46	34.248	1.57	2.61	36.	.05	27.9	172.5							
203	10.26	34.292	1.41	2.61	39.	.04	28.2	165.9							

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6907 119033

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 19.0N		114 53.0W		07/20/69		0354 GMT			112M	320	18KT				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	19.61	33.73		23.917	399.9	0
10									10	19.61	33.73		23.917	399.9	.040
20									20	19.85	33.70		23.935	398.1	.080
30									30	17.95	33.54		24.189	374.0	.119
50									50	14.05	33.51		25.047	292.2	.185
75									75	10.97	33.79		25.860	214.9	.249
100									100	10.74	34.10		26.142	188.1	.300

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6907 119033

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 19.0N		114 53.0W		07/20/69		0417 GMT			112M	320	18KT				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	19.60	33.501U	5.66	.42	6.	.04	.0								
9	19.61	33.704	5.65	.42	6.	.00	.0	401.7							
24	18.36		5.80	.44	5.	.01	.0								
34	17.10		5.91	.49	6.	.01	.0								
44	14.39		5.38	.63	5.	.13	.8								
58	11.44		4.05	1.35	14.	.16	14.5								
73	10.92	33.887	2.01	2.21	27.	.02	24.9	206.9							
98	10.82	34.090	1.28	2.66	36.	.02	27.2	190.2							

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6907 120045

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 47.0N		115 34.0W		07/22/69		1709 GMT			1875M	310	14KT	1	330 02 04		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	19.05	33.62		23.976	394.2	0
10									10	19.03	33.62		23.981	393.7	.039
20									20	17.75	33.44		24.161	376.6	.078
30									30	15.92	33.32		24.496	344.6	.114
50									50	14.68	33.40		24.830	312.9	.180
75									75	11.95	33.52		25.471	251.8	.251
100									100	11.32	33.79		25.797	220.9	.311
125									125	10.95	33.96		25.996	202.0	.364
150									150	10.45	34.09		26.185	184.0	.413
200									200	10.23	34.30		26.387	164.9	.502
250									250	9.73	34.39		26.542	150.1	.583
300									300	9.28	34.39		26.616	143.1	.660
400									400	8.02	34.40		26.821	123.7	.799
500									500	7.10	34.43		26.977	108.8	.923

RV ALEXANDER AGASSIZ										CALCOPI CRUISE 6907					120045	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 47.0N		115 34.0W		07/22/69		1740 GMT		1875M	310	14KT	1	330 02 04				
Z	T	S	02	P04	SI03	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD	
0	19.07	33.60	5.57	.51	4.	.00	.0	396.1								
9	18.98	33.59	5.63	.49	4.	.00	.0	394.7								
29	15.83		6.02	.44	2.	.00	.0									
49	14.67	33.42	5.96	.49	2.	.00	.0	311.2								
78	11.41		4.42	1.21	12.	.02	12.4									
108	11.20		2.86	1.86	23.	.07	20.9									
152	10.39		2.33	2.33	31.	.01	25.2									
203	10.20		1.59	2.61	37.	.10	27.9									
253	9.76		1.03													
308	9.09		.87													
407	7.91	34.40	.30					122.1								
512	7.06	34.45	.24					106.8								

RV ALEXANDER AGASSIZ										CALCOPI CRUISE 6907					120050	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 36.0N		115 53.5W		07/22/69		1333 GMT		3738M	340	10KT	1	340 03				
Z	T	S	02	P04	SI03	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD	
0	19.84	33.66							0	19.84	33.66		23.804	410.6	0	
10	19.84	33.66							10	19.84	33.66		23.804	410.6	.041	
20	19.84	33.66							20	19.84	33.66		23.804	410.6	.082	
30	18.00	33.62							30	18.00	33.62		24.237	369.3	.121	
50	15.15	33.42							50	15.15	33.42		24.744	321.1	.191	
75	12.85	33.50							75	12.85	33.50		25.283	269.8	.265	
100	11.72	33.67							100	11.72	33.67		25.630	236.7	.329	
125	10.30	33.78							125	10.30	33.78		25.970	204.4	.384	
150	9.80	34.04							150	9.80	34.04		26.257	177.1	.433	
200	9.37	34.18							200	9.37	34.18		26.438	160.0	.519	
250	9.17	34.32							250	9.17	34.32		26.579	146.6	.598	
300	8.69	34.36							300	8.69	34.36		26.687	136.4	.671	
400	7.62	34.38							400	7.62	34.38		26.864	119.6	.805	
500	6.62	34.39							500	6.62	34.39		27.012	105.6	.925	

RV ALEXANDER AGASSIZ										CALCOPI CRUISE 6907					120050	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 36.0N		115 53.5W		07/22/69		1404 GMT		3738M	340	10KT	1	340 03				
Z	T	S	02	P04	SI03	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD	
0	19.81	33.63	5.47	.44	2.	.00	.0	412.1								
10	19.81	33.63	5.39	.44	2.	.00	.0	412.1								
30	17.93		5.63	.44	3.	.00	.0									
50	15.10	33.45	6.12	.47	2.	.00	.0	317.9								
79	12.61		4.73	1.05	9.	.08	8.7									
109	10.79		3.42	1.75	21.	.01	19.4									
154	9.83		2.87	2.31	29.	.01	24.0									
204	9.38		2.01	2.47	38.	.01	27.8									
253	9.17		1.09													
308	8.66		.82													
407	7.57	34.37	.38					119.6								
512	6.46	34.38	.22					104.3								

RV ALEXANDER AGASSIZ										CALCOPI CRUISE 6907					120060	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 15.0N		116 30.5W		07/22/69		0707 GMT		3738M	330	11KT	2	340 03				
Z	T	S	02	P04	SI03	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD	
0	19.08	33.54							0	19.08	33.54		23.908	400.7	0	
10	19.05	33.54							10	19.05	33.54		23.916	400.0	.040	
20	18.15	33.48							20	18.15	33.48		24.094	383.0	.079	
30	17.09	33.50							30	17.09	33.50		24.364	352.2	.116	
50	15.75	33.50							50	15.75	33.50		24.672	327.9	.185	
75	13.84	33.48							75	13.84	33.48		25.068	290.2	.263	
100	11.90	33.48							100	11.90	33.48		25.450	253.9	.331	
125	10.83	33.74							125	10.83	33.74		25.846	216.2	.391	
150	10.14	33.94							150	10.14	33.94		26.122	190.0	.442	
200	9.77	34.18							200	9.77	34.18		26.371	166.3	.533	
250	9.05	34.27							250	9.05	34.27		26.560	148.4	.614	
300	8.81	34.38							300	8.81	34.38		26.684	136.7	.688	
400	7.55	34.37							400	7.55	34.37		26.866	119.3	.822	
500	6.62	34.37							500	6.62	34.37		26.996	107.1	.942	

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 120060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 15.0N		116 30.5W		07/22/69	0745 GMT				3738M	330	11KT	2			
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	19.09	33.56	5.65	.42	2.	.00	.0	399.5							
10	19.09	33.56	5.64	.42	2.	.00	.0	399.5							
29	18.16		5.77	.42	1.	.00	.0								
49	16.44	33.50	6.09	.42	1.	.00	.0	342.8							
77	14.00		5.98	.51	3.	.00	.0								
107	11.31		4.82	1.10	11.	.02	5.9								
150	10.18		3.42	1.86	25.	.01	12.9								
199	9.79		2.43	2.35	34.	.01	18.1								
248	9.36		1.51												
302	8.86		1.18												
402	7.65	34.36						121.5							
06	6.58	34.36	.45					107.3							

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 120070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 54.0N		117 10.0W		07/22/69	0128 GMT				3738M	330	15KT	2	320 04 04		
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.68	33.54		23.754	415.4	0
									10	19.50	33.53		23.793	411.7	.041
									20	17.91	33.47		24.145	378.1	.081
									30	16.75	33.53		24.467	347.4	.117
									50	15.68	33.47		24.665	328.6	.185
									75	13.43	33.42		25.105	286.7	.262
									100	11.19	33.80		25.828	217.9	.326
									125	11.27	34.19		26.116	190.5	.378
									150	11.18	34.32		26.234	179.4	.425
									200	10.84	34.37		26.334	169.9	.514
									250	10.61	34.45		26.437	160.1	.599
									300	10.04	34.46		26.544	149.9	.680
									400	8.33	34.40		26.774	128.1	.825
									500	7.12	34.40		26.951	111.3	.953

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 120070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 54.0N		117 10.0W		07/22/69	0204 GMT				3738M	330	15KT	2	320 04 04		
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	19.61	33.52	5.42	.44	2.	.00	.0	415.1							
10	19.61	33.52	5.77	.49	1.	.00	.0	415.1							
30	16.81		6.01	.42	1.	.00	.0								
49	15.93	33.52	6.05	.44	1.	.00	.0	330.3							
78	12.48		5.15	.86	7.	.09	5.7								
108	11.19		2.67	2.03	25.	.03	23.0								
152	11.10		1.48	2.63	34.	.02	28.0								
202	10.81		1.17	2.80	38.	.02	28.8								
251	10.56		.88												
306	9.97		.77												
406	8.35	34.39	.67					129.1							
510	7.09	34.40	.45					110.9							

RV ALEXANDER AGASSIZ CALCOPI CRUISE 6907 120080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 32.5N		117 49.0W		07/21/69	1839 GMT				3738M	330	16KT	2	340 05		
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.59	33.59		23.816	409.5	0
									10	19.56	33.59		23.823	408.8	.041
									20	18.88	33.50		23.928	398.8	.081
									30	18.11	33.48		24.104	382.0	.120
									50	16.05	33.47		24.582	336.5	.193
									75	14.48	33.39		24.865	309.6	.274
									100	11.73	33.47		25.474	251.6	.344
									125	10.64	33.69		25.841	216.7	.404
									150	10.16	33.90		26.087	193.3	.456
									200	9.48	34.12		26.373	166.2	.547
									250	8.82	34.21		26.549	149.4	.628
									300	8.25	34.25		26.669	138.1	.703
									400	7.70	34.38		26.852	120.7	.838
									500	6.57	34.38		27.011	105.7	.958

A) ONE OXYGEN SAMPLE WAS MISSING FROM THIS CAST. OXYGEN SAMPLE BOTTLE ORDER INDICATES IT WAS PROBABLY THE ONE FROM THIS DEPTH.

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6907				120080		
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
26 32.5N		117 49.0W		07/21/69		1906 GMT		3738M	330	16KT	2	340 05				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	19.59	33.564	5.41	.44	2.	.00	.0	411.4								
9	19.55	33.564	5.44	.44	1.	.00	.0	410.4								
29	18.20		5.67	.47	2.	.00	.0									
49	16.11		6.03	.40	1.	.00	.0									
78	14.38		5.85	.49	2.	.00	.0									
108	11.67	33.463	4.96	.91	8.	.05	8.3	251.1								
154	10.25		3.18	1.93	24.	.01	21.9									
203	9.68	34.161	2.20	2.35	34.	.03	27.1	166.3								
252	8.84	34.196	1.93					150.8								
306	8.32		1.25													
406	7.70	34.369	.42					121.5								
510	6.58		.26													

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6907				123037		
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 24.0N		114 40.0W		07/23/69		0337 GMT		71M	300	08KT	1	02				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	14.22	33.59		25.073	289.7	0	
									10	13.34	33.58		25.247	273.2	.028	
									20	12.73	33.62		25.399	258.7	.055	
									30	12.19	33.67		25.542	245.1	.080	
									50	11.45	33.86		25.828	218.0	.127	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6907				123042		
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 14.0N		114 59.5W		07/23/69		0607 GMT		1851M	330	18KT	1					
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	18.80	33.58		24.009	391.1	0	
									10	18.80	33.58		24.009	391.1	.039	
									20	18.05	33.57		24.187	374.1	.077	
									30	16.77	33.53		24.462	347.9	.114	
									50	14.83	33.47		24.851	310.8	.180	
									75	12.89	33.44		25.228	274.9	.253	
									100	11.23	33.59		25.658	234.0	.317	
									125	10.48	33.83		25.978	203.7	.373	
									150	10.04	33.99		26.178	184.7	.422	
									200	10.19	34.32		26.409	162.7	.511	
									250	9.65	34.37		26.540	150.4	.591	
									300	8.78	34.35		26.665	138.4	.666	
									400	7.76	34.37		26.836	122.2	.803	
									500	6.80	34.39		26.987	107.9	.925	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6907				123050		
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
26 58.5N		115 31.5W		07/23/69		1108 GMT		3216M	340	12KT						
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	20.04	33.60		23.706	419.9	0	
									10	20.00	33.60		23.717	418.9	.042	
									20	18.39	33.54		24.081	384.3	.082	
									30	17.38	33.49		24.288	364.5	.120	
									50	15.65	33.37		24.595	335.2	.190	
									75	14.33	33.40		24.904	305.8	.270	
									100	12.72	33.42		25.246	273.2	.343	
									125	11.09	33.59		25.684	231.6	.407	
									150	10.64	33.85		25.965	204.9	.462	
									200	9.85	34.26		26.420	161.7	.556	
									250	9.41	34.32		26.540	150.3	.636	
									300	9.35	34.43		26.636	141.2	.712	
									400	8.19	34.43		26.819	123.9	.851	
									500	7.13	34.42		26.965	110.0	.975	

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

123060

LATITUDE		LCNGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 38.5N		116 09.0W		07/23/69	1549 GMT				1550M	340	09KT	2	320 04 07		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.58	33.58		23.811	410.0	0
									10	19.58	33.58		23.811	410.0	.041
									20	19.35	33.50		23.809	410.2	.082
									30	17.83	33.44		24.142	378.4	.122
									50	15.53	33.30		24.568	337.8	.193
									75	14.45	33.37		24.856	310.4	.275
									100	12.75	33.39		25.217	276.0	.349
									125	11.19	33.50		25.596	240.0	.414
									150	10.32	33.77		25.959	205.5	.470
									200	9.80	34.12		26.320	171.2	.566
									250	8.97	34.22		26.533	150.9	.649
									300	8.46	34.28		26.660	138.9	.724
									400	8.04	34.43		26.841	121.7	.861
									500	7.10	34.44		26.985	108.1	.983

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

127034

LATITUDE		LCNGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 55.0N		114 06.0W		07/24/69	1212 GMT				82M	320	08KT	1			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.55	33.66		24.377	356.0	0
									10	16.80	33.61		24.516	342.7	.035
									20	13.27	33.45		25.161	281.4	.066
									30	12.65	33.56		25.368	261.6	.093
									50	12.61	34.10		25.793	221.2	.142
									75	12.90	34.32		25.906	210.5	.196

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

127040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 41.0N		114 27.0W		07/24/69	0843 GMT				2874M	310	10KT	1			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.19	33.68		24.478	346.4	0
									10	17.15	33.68		24.488	345.5	.035
									20	16.57	33.62		24.577	336.9	.069
									30	15.50	33.47		24.705	324.8	.102
									50	13.52	33.54		25.179	279.6	.163
									75	11.48	33.57		25.597	239.9	.228
									100	10.89	33.77		25.859	215.0	.285
									125	10.27	33.92		26.084	193.6	.337
									150	10.10	34.09		26.246	178.3	.384
									200	10.08	34.34		26.444	159.5	.470
									250	9.31	34.38		26.603	144.3	.549
									300	8.80	34.36		26.670	138.0	.622
									400	8.03	34.41		26.827	123.1	.759
									500	7.20	34.44		26.971	109.4	.883

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

127050

LATITUDE		LCNGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 24.0N		115 09.0W		07/24/69	0221 GMT				3471M	310	13KT	1	320 03 04		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	19.90	33.60		23.743	416.5	0
									10	19.70	33.59		23.787	412.2	.041
									20	18.70	33.52		23.988	393.1	.082
									30	16.65	33.45		24.429	351.1	.119
									50	14.78	33.44		24.839	312.0	.186
									75	12.75	33.41		25.233	274.5	.259
									100	11.27	34.01		25.977	203.8	.320
									125	12.24	34.55		26.213	181.3	.368
									150	12.14	34.57		26.248	178.0	.414
									200	11.22	34.53		26.389	164.6	.502
									250	11.17	34.63		26.476	156.4	.585
									300	10.49	34.59		26.567	147.8	.664
									400	9.51	34.54		26.695	135.6	.813
									500	7.80	34.45		26.893	116.8	.948

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

127060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 03.5N			115 46.5W			07/23/69		2037 GMT		3795M	340	09KT	2	330 03 04		
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	20.35	33.72		23.716	419.0	0	
									10	20.22	33.72		23.750	415.8	.042	
									20	20.27	33.75		23.760	414.8	.083	
									30	19.27	33.77		24.035	388.6	.124	
									50	18.03	33.89		24.436	350.4	.198	
									75	16.37	33.83		24.784	317.2	.282	
									100	14.50	33.75		25.137	283.6	.357	
									125	12.05	33.68		25.576	241.9	.424	
									150	11.40	33.97		25.922	209.0	.481	
									200	10.09	34.17		26.309	172.2	.578	
									250	9.74	34.37		26.524	151.8	.662	
									300	9.11	34.40		26.651	139.7	.737	
									400	7.62	34.36		26.848	121.0	.874	
									500	6.93	34.41		26.985	108.1	.996	

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

130030

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 29.0N			113 29.0W			07/24/69		1848 GMT		76M	300	12KT	1	300 03 07		
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	20.50	34.06		23.934	398.2	0	
									10	19.27	34.03		24.232	369.8	.038	
									20	14.55	33.85		25.203	277.3	.071	
									30	13.30	33.90		25.502	249.0	.097	
									50	13.03	34.22		25.803	220.3	.144	

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

130030

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 29.0N			113 29.0W			07/24/69		1910 GMT		76M	300	12KT	1	300 03 07		
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	20.49	34.037	6.29	.63	11.	.01	.0	399.6	0	20.49	34.037	6.29	23.920	399.6	0	
10	19.40	34.012	6.12	.49	10.	.01	.0	374.3	10	19.40	34.012	6.12	24.185	374.3	.039	
20	14.15	33.873	3.76	1.54	16.	.66	13.2	267.6	20	14.15	33.873	3.76	25.306	267.6	.071	
30	13.24	33.931	2.50	1.86	18.	.03	18.7	245.5	30	13.24	33.931	2.50	25.538	245.5	.097	
50	13.04	34.205	.96	2.68	32.	.07	25.1	221.6	50	13.04	34.205	.96	25.789	221.6	.143	

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

130040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 09.5N			114 07.0W			07/25/69		0115 GMT		2191M	310	19KT	1	320 04 04		
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	20.61	33.71		23.639	426.3	0	
									10	20.55	33.71		23.655	424.8	.043	
									20	18.70	33.55		24.011	390.9	.083	
									30	15.63	33.56		24.745	320.9	.119	
									50	14.02	33.59		25.115	285.7	.180	
									75	12.15	33.57		25.472	251.8	.248	
									100	11.45	33.87		25.835	217.2	.307	
									125	10.66	33.95		26.040	197.8	.359	
									150	10.21	34.10		26.234	179.3	.407	
									200	10.00	34.37		26.481	156.0	.493	
									250	9.24	34.36		26.599	144.7	.570	
									300	8.68	34.39		26.712	134.0	.643	
									400	7.99	34.48		26.888	117.3	.775	
									500	7.00	34.47		27.023	104.5	.893	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

130040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 09.5N		114 07.0W		07/25/69	0201 GMT				2191M	310	19KT	1	320 04 04		
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	20.53	33.689	5.37	.35	2.	.00	.0	425.8							
10	20.53	33.686	5.39	.35	2.	.00	.0	426.0							
30	16.85		5.93	.44	2.	.00	.0								
40	14.75	33.582	5.81	.56	4.	.03	.2	301.0							
49	13.28		5.67	.61	4.	.06	1.1								
63	12.42		4.87	.89	8.	.28	7.0								
77	12.04		3.69	1.47	15.	.09	15.1								
97	11.17		2.83	1.89	22.	.03	20.6								
121	10.66		2.56	2.05	27.	.02	22.8								
141	10.40		2.34	2.28	30.	.01	24.6								
170	10.33		1.67	2.54	36.	.01	26.6								
200	10.06		1.25	2.70	40.	.01	27.6								
229	9.50		1.19												
268	9.10		.92												
326	8.58		.54												
00	8.03		.26												
73	7.30	34.446	.22					110.3							
552	6.69	34.447	.20					102.2							

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

130050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 49.0N		114 46.0W		07/25/69	0832 GMT				3623M	320	11KT				
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	20.40	33.71											23.695	421.0	0
10	20.41	33.71											23.693	421.3	.042
20	20.35	33.70											23.701	420.5	.084
30	16.35	33.64											24.644	330.6	.122
50	12.74	33.73											25.482	250.8	.180
75	11.14	33.83											25.861	214.8	.239
100	10.92	33.99											26.024	199.3	.291
125	10.47	34.14											26.221	180.6	.339
150	10.00	34.19											26.340	169.3	.384
200	9.64	34.33											26.510	153.2	.466
250	8.95	34.34											26.630	141.7	.542
300	8.45	34.36											26.724	132.8	.613
400	7.66	34.44											26.905	115.6	.744
500	6.97	34.44											27.003	106.4	.862

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

130050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 49.0N		114 46.0W		07/25/69	0925 GMT				3623M	320	11KT				
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	20.38	33.684	5.33	.42	2.	.00	.0	422.4							
10	20.38	33.689	5.34	.44	2.	.00	.0	422.0							
30	16.95		6.05	.47	2.	.00	.0								
40	15.26	33.714	5.62	.68	4.	.06	.8	301.9							
50	14.30		5.06	.96	7.	.34	4.6								
65	12.56		3.39	1.70	16.	.52	15.6								
79	11.70		2.99	1.84	19.	.11	19.3								
99	10.97		2.25	2.17	26.	.04	23.3								
124	10.71		1.93	2.38	30.	.02	25.3								
144	10.30		2.42	33.	.03	25.9									
174	9.86		1.77	2.56	37.	.04	27.5								
204	9.74		1.20	2.77	42.	.00	28.7								
234	9.39		1.00												
274	8.83		.90												
333	8.30		.44												
407	7.61		.20												
481	7.06	34.431	.12					108.1							
560	6.40	34.433	.13					99.6							

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

130060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 28.5N		115 23.5W		07/25/69	1410 GMT				3584M	340	11KT	2	340 01		
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	19.45	33.61											23.867	404.6	0
10	19.45	33.61											23.867	404.6	.040
20	19.33	33.69											23.958	395.9	.081
30	17.87	33.67											24.307	362.6	.119
50	17.23	33.78											24.545	340.0	.189
75	15.60	33.79											24.928	303.5	.270
100	12.78	33.65											25.412	257.5	.341
125	11.73	33.83											25.752	225.1	.402
150	10.96	34.01											26.033	198.5	.455
200	10.14	34.27											26.379	165.6	.548
250	9.30	34.27											26.519	152.3	.630
300	9.46	34.48											26.657	139.2	.706
400	8.44	34.49											26.827	123.0	.844
500	7.29	34.47											26.982	108.4	.967

RV ALEXANDER AGASSIZ										CALCOPI CRUISE 6907					130060	
Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	19.43	33.588	4.97	.47	2.	.00	.0	405.7								
10	19.44	33.583	5.27	.47	2.	.00	.0	406.4								
30	18.28		5.61	.44	2.	.00	.0									
40	17.24	33.676	5.59	.44	2.	.00	.0	347.8								
49	17.36		5.54	.44	2.	.00	.0									
64	17.28		5.11	.42	2.	.00	.0									
78	15.74		5.22	.51	2.	.00	.0									
98	14.15		4.13	.70	6.	.07	4.2									
122	12.00		3.09	1.37	17.	.04	16.1									
143	10.97		2.78	1.86	23.	.02	19.9									
172	10.69		2.11	2.31	31.	.02	25.0									
201	10.17		1.65	2.42	37.	.08	26.9									
230	9.60		1.74													
268	9.20		1.27													
326	9.20		.27													
400	8.39		.15													
473	7.59	34.469	.11					112.5								
553	6.69	34.419	.10					104.3								

RV ALEXANDER AGASSIZ										CALCOPI CRUISE 6907					133025	
Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
	26	01.0N		112	44.0W		07/26/69		1603	GMT						
									0	21.69	33.97		23.544	435.5	0	
									10	21.49	33.97		23.599	430.2	.043	
									20	16.80	33.63		24.532	341.3	.082	
									30	15.13	33.99		25.186	279.0	.113	
									50	14.38	34.20		25.509	248.3	.166	

RV ALEXANDER AGASSIZ										CALCOPI CRUISE 6907					133030	
Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
	25	54.5N		113	07.5W		07/26/69		1252	GMT						
									0	21.78	33.95		23.504	439.3	0	
									10	20.50	33.95		23.851	406.2	.042	
									20	15.85	33.73		24.826	313.2	.078	
									30	13.97	33.85		25.326	265.7	.107	
									50	12.35	34.07		25.820	218.6	.156	
									75	12.19	34.28		26.014	200.3	.209	
									100	12.78	34.57		26.123	189.9	.258	
									125	12.70	34.61		26.170	185.5	.306	
									150	12.48	34.62		26.221	180.6	.352	

RV ALEXANDER AGASSIZ										CALCOPI CRUISE 6907					133040	
Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
	25	32.5N		113	44.0W		07/26/69		0702	GMT						
									0	20.15	33.66		23.723	418.3	0	
									10	20.00	33.64		23.747	416.0	.042	
									20	18.75	33.63		24.060	386.3	.082	
									30	17.47	33.81		24.511	343.3	.118	
									50	15.79	33.71		24.824	313.4	.184	
									75	13.05	33.61		25.328	265.5	.257	
									100	11.63	33.87		25.802	220.4	.318	
									125	11.82	34.25		26.061	195.8	.371	
									150	11.96	34.57		26.282	174.8	.418	
									200	11.51	34.66		26.437	160.1	.504	
									250	11.18	34.68		26.513	152.9	.585	
									300	10.76	34.66		26.573	147.1	.663	
									400	9.42	34.58		26.741	131.2	.810	
									500	7.60	34.45		26.922	114.1	.941	

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

133050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 13.5N		114 23.0W		07/26/69	0149	GMT		3346M	290	11KT	2	320 01 04			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	20.58	33.68		23.625	427.7	0
									10	20.53	33.69		23.646	425.8	.043
									20	19.70	33.67		23.848	406.4	.084
									30	18.70	33.85		24.240	369.1	.123
									50	16.04	33.50		24.607	334.1	.194
									75	14.10	33.51		25.037	293.2	.273
									100	12.05	33.63		25.537	245.5	.341
									125	12.00	34.13		25.934	207.9	.398
									150	11.38	34.27		26.158	186.5	.448
									200	11.05	34.49		26.389	164.6	.538
									250	10.52	34.61		26.577	146.8	.618
									300	9.76	34.58		26.685	136.6	.692
									400	8.13	34.49		26.875	118.5	.826
									500	7.22	34.45		26.976	108.9	.948

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

133060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 54.0N		115 02.5W		07/25/69	2025	GMT		3936M	320	11KT	2	320 03 05			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	20.81	33.81		23.662	424.2	0
									10	20.77	33.80		23.665	423.9	.042
									20	20.73	33.80		23.676	422.9	.085
									30	19.35	33.76		24.007	391.3	.126
									50	18.69	34.11		24.440	350.0	.200
									75	17.27	33.97		24.681	327.1	.285
									100	15.13	33.74		24.994	297.3	.364
									125	12.61	33.73		25.507	248.4	.433
									150	11.25	33.95		25.934	207.9	.491
									200	10.75	34.39		26.365	166.9	.586
									250	10.23	34.53		26.566	147.9	.667
									300	9.41	34.50		26.681	137.0	.742
									400	8.23	34.47		26.844	121.5	.877
									500	7.19	34.45		26.981	108.5	1.000

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

137023

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 34.0N		112 19.0W		07/26/69	2320	GMT		62M	270	10KT	1	270 01 02			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	24.21	34.17		22.974	489.9	0
									10	21.35	34.01		23.667	423.7	.046
									20	17.23	33.88		24.621	332.7	.084
									30	15.33	33.85		25.034	293.4	.115
									50	14.72	34.12		25.375	261.0	.171

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

137023

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 34.0N		112 19.0W		07/26/69	2340	GMT		62M	270	10KT	1	270 01 02			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	24.08	34.152	5.35		5.	.01	.0	487.6	0	24.08	34.152	5.35	22.998	487.6	0
10	22.00	34.068	5.64	.33	3.	.01	.0	436.6	10	22.00	34.068	5.64	23.532	436.6	.046
20	17.90	33.911	4.96	.65	5.	.17	.2	345.8	20	17.90	33.911	4.96	24.484	345.8	.085
30	15.47	33.825	4.51	.98	9.	.38	4.7	298.2	30	15.47	33.825	4.51	24.984	298.2	.118
51	14.58	34.129	1.99	2.05	20.	.09	18.8	257.5	50	14.62	34.139	2.16	25.410	257.6	.174

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

137030

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 20.0N		112 48.5W		07/27/69	0317	GMT		379M	280	15KT					
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	21.86	34.01		23.527	437.1	0
									10	19.12	33.70		24.020	390.1	.041
									20	18.28	33.54		24.108	381.7	.080
									30	16.05	33.48		24.589	335.8	.116
									50	13.88	33.44		25.029	293.9	.179
									75	12.46	33.83		25.614	238.3	.246
									100	12.30	34.11		25.861	214.8	.303
									125	12.68	34.47		26.065	195.4	.355
									150	12.21	34.55		26.219	180.8	.403
									200	11.71	34.65		26.392	164.4	.492
									250	11.09	34.63		26.491	155.0	.574
									300	10.81	34.63		26.541	150.2	.654

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

137030

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND		SPEED	WEATHER		DOMINANT WAVES	
	T	S	O2	P04	SI03	NO2	NO3	DT		Z	T		S	O2	SIGT	DT
0	21.71	33.968	5.40	.37	8.	.01	.0	436.2								
9	19.15		5.76	.37	5.	.01	.0									
29	16.09	33.457	5.93	.44	2.	.01	.0	338.3								
44	14.14		5.85	.44	3.	.02	.0									
58	13.27		4.63	.84	9.	.16	5.0									
73	12.45		3.44	1.58	17.	.05	13.3									
89	12.53		2.35	1.79	23.	.05	18.9									
109	12.50	34.252	1.53	2.19	35.	.06	22.9	208.0								
134	12.76		.49	2.70	38.	.04	28.1									
164	12.18		.24	2.96	39.	.05	28.0									
199	11.65		.10	2.96	44.	.04	27.0									
234	11.30		.06													
273	10.90		.03													
318	10.67	34.617	.05					148.8								
358	10.59	34.600	.09					148.7								

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

137040

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND		SPEED	WEATHER		DOMINANT WAVES	
	T	S	O2	P04	SI03	NO2	NO3	DT		Z	T		S	O2	SIGT	DT
									3179M	290	06KT					
									0	22.65	34.11		23.381	451.0	0	
									10	22.65	34.11		23.381	451.0	.045	
									20	18.90	33.64		24.030	389.1	.087	
									30	17.45	33.68		24.416	352.3	.124	
									50	15.28	33.47		24.753	320.1	.192	
									75	13.35	33.82		25.430	255.8	.264	
									100	12.85	34.15		25.785	222.1	.325	
									125	12.22	34.34		26.054	196.4	.378	
									150	11.75	34.44		26.221	180.6	.425	
									200	11.55	34.68		26.445	159.3	.513	
									250	10.67	34.63		26.566	147.8	.592	
									300	9.98	34.60		26.663	138.6	.667	
									400	8.53	34.52		26.837	122.1	.804	
									500	7.38	34.50		26.993	107.4	.927	

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

137040

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND		SPEED	WEATHER		DOMINANT WAVES	
	T	S	O2	P04	SI03	NO2	NO3	DT		Z	T		S	O2	SIGT	DT
									3179M	290	06KT					
0	22.61	34.070	5.09	.47	2.	.00	.0	452.8								
9	22.60		5.11	.51	2.	.00	.0									
29	17.71		5.92	.49	2.	.00	.0									
39	17.07	33.643	5.94	.51	2.	.00	.0	346.4								
49	16.43	33.697	5.90	.54	2.	.00	.0	328.2								
64	14.56		5.96	.47	2.	.00	.0									
79	13.49		4.18	1.33	13.	.08	12.0									
98	12.89		2.32	2.17	23.	.31	21.8									
123	12.36		1.35	2.98	34.	.01	29.8									
144	11.87		1.14	3.19	38.	.00	30.8									
174	11.72		.49	2.94	36.	.00	27.9									
204	11.51	34.669	.17	3.26	40.	.00	29.2	159.5								
234	10.89		.16													
274	10.36		.12													
333	9.21		.12													
408	8.49		.09													
482	7.58		.07													
559	6.87	34.484	.07					101.8								

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 6907

137050

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND		SPEED	WEATHER		DOMINANT WAVES	
	T	S	O2	P04	SI03	NO2	NO3	DT		Z	T		S	O2	SIGT	DT
									3680M	330	10KT					
									0	22.25	33.86		23.305	458.3	0	
									10	22.25	33.86		23.305	458.3	.046	
									20	17.34	33.60		24.381	355.6	.087	
									30	14.62	33.63		25.019	294.8	.119	
									50	12.77	33.65		25.414	257.3	.175	
									75	12.29	34.06		25.824	218.3	.234	
									100	12.15	34.36		26.083	193.7	.286	
									125	11.95	34.46		26.199	182.7	.334	
									150	11.13	34.45		26.344	168.9	.379	
									200	10.52	34.51		26.499	154.2	.462	
									250	9.95	34.53		26.614	143.3	.539	
									300	9.34	34.53		26.716	133.7	.611	
									400	8.27	34.51		26.869	119.1	.744	
									500	7.21	34.49		27.009	105.8	.864	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

137050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 39.0N		114 04.0W		07/27/69		1644 GMT			3680M	330	10KT	2	330 03 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	22.22	33.839	5.12	.42	3.	.00	.0	459.0							
9	22.20	33.840	5.16	.51	4.	.00	.0	458.4							
29	15.27		6.24	.61	6.	.00	.0								
39	14.05	33.637	5.18	.68	7.	.14	2.2	282.9							
49	13.24		4.45	.79	9.	.00	4.0								
64	12.22		3.00	1.72	19.	.00	17.2								
78	12.23		1.87	2.10	25.	.00	21.3								
98	12.02		1.35	2.49	30.	.03	25.6								
124	11.96		.81	2.68	34.	.01	27.8								
144	11.21		.98	2.80	36.	.01	27.8								
174	10.77		.77	2.61	36.	.00	26.7								
204	10.50		.61	2.84	41.	.01	27.1								
234	10.19		.45												
273	9.77		.32												
334	8.95		.25												
407	8.23		.15												
481	7.32	34.467	.16					109.0							
559	6.67	34.459	.13					101.1							

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

137060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 20.0N		114 39.0W		07/27/69		2119 GMT			3776M	310	06KT	1	020 03 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	20.67	33.78		23.677	422.8	0
10									10	20.28	33.78		23.780	412.9	.042
20									20	19.37	33.89		24.100	382.4	.082
30									30	19.03	34.05		24.309	362.5	.119
50									50	18.29	34.12		24.548	339.8	.189
75									75	17.02	33.97		24.740	321.4	.273
100									100	13.80	33.78		25.307	267.5	.347
125									125	11.82	33.83		25.736	226.7	.409
150									150	11.28	34.13		26.068	195.1	.463
200									200	10.62	34.42		26.412	162.5	.554
250									250	10.20	34.51		26.555	148.9	.635
300									300	9.54	34.53		26.683	136.8	.709
400									400	8.25	34.47		26.841	121.8	.845
500									500	7.13	34.47		27.005	106.2	.966

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6907

137060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 20.0N		114 39.0W		07/27/69		2213 GMT			3776M	310	06KT	1	020 03 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	20.75	33.801	5.31	.40	1.	.00	.0	423.3							
10	20.33	33.785	5.34	.42	2.	.00	.0	413.8							
29	18.95		5.57	.40	1.	.00	.0								
38	18.61	34.114	5.58	.42	1.	.00	.0	347.8							
48	18.38		5.62	.19	1.	.00	.0								
62	17.94		5.57	.35	2.	.00	.0								
76	17.08		5.52	.42	2.	.00	.0								
95	15.02		5.17	.61	4.	.02	.8								
119	12.28		3.71	1.33	14.	.02	14.2								
138	11.83		2.48	1.72	21.	.03	20.1								
167	11.04		1.66	2.33	32.	.01	26.4								
196	10.70		1.19	2.56	37.	.00	27.9								
224	10.48		.91												
262	10.24		.45												
309	9.51		.22												
390	8.43		.21												
463	7.59	34.527	.15					108.2							
542	6.63	34.494	.15					97.9							

RV DAVID STARR JORD

CALCOPI CRUISE 6907

TEN METER DATA

					Z	T	S	02	P04	SI03	NO2	NO3	DT
60.050	07/28/69	1447GMT	37 57.5N	122 53.0W	10	13.27	33.630			1.	.00		268.3
		BOTTOM	43M	WIND 300 10KT									
		DOMINANT WAVES		300 02 05									
60.055	07/28/69	1816GMT	37 47.0N	123 15.0W	10	12.37	33.441		.55	2.	.01		265.3
		BOTTOM	127M	WIND 320 16KT									
		DOMINANT WAVES		300 06 06									
60.065	07/29/69	0008GMT	37 27.0N	123 58.5W	10	13.84	33.228		.72	2.	.05		308.8
		BOTTOM	3824M	WIND 320									
		DOMINANT WAVES		340 06 05									
63.050	07/28/69	1105GMT	37 23.5N	122 28.0W	10	13.72	33.646		.25	1.	.00		275.8
		BOTTOM	24M	WIND									
		DOMINANT WAVES		WEATHER									
63.052	07/28/69	0955GMT	37 19.0N	122 36.0W	10	13.60	33.649		.44	1.	.06		273.2
		BOTTOM	88M	WIND 310 02KT									
		DOMINANT WAVES		320 02 05									
63.055	07/28/69	0803GMT	37 13.0N	122 50.0W	10	14.20	33.460		.36	2.	.15		298.9
		BOTTOM	270M	WIND 320 13KT									
		DOMINANT WAVES		340 06 05									
63.060	07/28/69	0525GMT	37 03.0N	123 12.0W	10	14.17	33.375		.55	2.	.03		307.5
		BOTTOM	2502M	WIND 320 20KT									
		DOMINANT WAVES		330 06 05									
63.065	07/28/69	0238GMT	36 53.0N	123 33.0W	10	14.26			.44	1.	.02		
		BOTTOM	3540M	WIND 330 20KT									
		DOMINANT WAVES		340 04 05									
63.070	07/28/69	0018GMT	36 42.5N	123 55.0W	10	14.89	33.089		.47	1.	.00		340.0
		BOTTOM	3966M	WIND 330 16KT									
		DOMINANT WAVES		340 04 05									
63.080	07/27/69	1757GMT	36 23.0N	124 38.0W	10	15.36	32.923		.28	2.	.00		361.9
		BOTTOM	4110M	WIND 310 20KT									
		DOMINANT WAVES		360 06 05									
63.090	07/27/69	1136GMT	36 03.0N	125 20.0W	10	15.96	32.816		.28	2.	.00		382.4
		BOTTOM	4786M	WIND 330 15KT									
		DOMINANT WAVES											
67.048	07/26/69	0820GMT	36 53.0N	121 56.0W	10	12.04	33.555		.75	3.	.09	6.0	251.0
		BOTTOM	37M	WIND 99 01KT									
		DOMINANT WAVES											
67.055	07/26/69	1216GMT	36 39.5N	122 26.5W	10	14.16	33.429		.63	2.	.07	4.0	300.4
		BOTTOM	2316M	WIND 340 02KT									
		DOMINANT WAVES											

					Z	T	S	02	PO4	SI03	NO2	NO3	DT
67.060	07/26/69	1430GMT	36 28.0N	122 48.0W	10	13.11	33.339		.55	0.	.14	2.7	286.6
		BOTTOM	2973M	WIND 320 02KT									
		DOMINANT WAVES	300 03 04	WEATHER 2									
67.065	07/26/69	1705GMT	36 18.0N	123 09.0W	10	15.50	32.879		.33	2.	.00	.0	368.1
		BOTTOM	3353M	WIND 330 06KT									
		DOMINANT WAVES	280 02 03	WEATHER 2									
67.070	07/26/69	1948GMT	36 08.0N	123 29.5W	10	15.88	32.911		.33	2.	.00	.0	373.8
		BOTTOM	3683M	WIND 330 09KT									
		DOMINANT WAVES	320 03 04	WEATHER 2									
67.080	07/27/69	0135GMT	35 48.0N	124 12.0W	10	15.42	33.298		.50	1.	.15	1.6	335.7
		BOTTOM	4062M	WIND 330 08KT									
		DOMINANT WAVES	310 04 05	WEATHER 2									
67.090	07/27/69	0617GMT	35 28.0N	124 55.0W	10	15.87	32.949		.28	2.	.00		370.8
		BOTTOM	4498M	WIND 330 20KT									
		DOMINANT WAVES		WEATHER									
70.051	07/26/69	0332GMT	36 11.5N	121 44.0W	10		33.529		.66	3.	.09	3.8	
		BOTTOM	390M	WIND 340 09KT									
		DOMINANT WAVES	260 02 03	WEATHER 1									
70.065	07/25/69	1705GMT	35 43.0N	122 45.0W	10	14.58	33.334		.50	3.	.08	2.8	315.8
		BOTTOM	1943M	WIND 300 06KT									
		DOMINANT WAVES	280 02 04	WEATHER 5									
73.050	07/23/69	2202GMT	35 37.0N	121 17.0W	10	13.16	33.523		.28	0.	.00	.0	274.0
		BOTTOM	90M	WIND 280 02KT									
		DOMINANT WAVES	260 02 06	WEATHER 2									
73.053	07/23/69	2344GMT	35 31.5N	121 28.5W	10	14.51	33.375		.41	1.	.06	1.1	311.4
		BOTTOM	759M	WIND 280 03KT									
		DOMINANT WAVES	260 01 05	WEATHER 2									
73.060	07/24/69	0314GMT	35 17.5N	121 58.0W	10	14.71	33.363		.97	3.	.06	2.2	316.3
		BOTTOM	2502M	WIND 280 06KT									
		DOMINANT WAVES	260 01 05	WEATHER 1									
73.065	07/24/69	0550GMT	35 08.0N	122 19.0W	10	15.40	33.279		.28	1.	.00	.8	336.7
		BOTTOM	4014M	WIND 270 03KT									
		DOMINANT WAVES	01	WEATHER									
73.070	07/24/69	0825GMT	34 57.5N	122 38.0W	10	14.60	33.014		.36	1.	.00	.2	339.6
		BOTTOM	4302M	WIND 260 03KT									
		DOMINANT WAVES		WEATHER									
73.080	07/24/69	1255GMT	34 38.0N	123 21.0W	10	15.23	32.901		.22	2.	.00	1.0	360.8
		BOTTOM	4308M	WIND 230 05KT									
		DOMINANT WAVES	270 02 03	WEATHER									

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CALCOPI CRUISE 6907

TEN METER DATA

			Z	T	S	02	PO4	SI03	NO2	NO3	DT
73.090	07/24/69	1932GMT	34	18.5N	124	04.0W					
	BOTTOM	3169M	WIND	240	08KT	WEATHER	2				
	DOMINANT WAVES		240	01	07		.33	1.	.00	.1	378.8
77.048	07/23/69	1805GMT	35	08.5N	120	43.5W					
	BOTTOM	28M	WIND	270	01KT	WEATHER	2				
	DOMINANT WAVES		260	02	04		.30	1.	.05	.5	241.8
77.051	07/23/69	1620GMT	35	02.0N	120	56.5W					
	BOTTOM	264M	WIND	300	02KT	WEATHER	2				
	DOMINANT WAVES		320	03	06		.39	2.	.02	.4	299.6
77.055	07/23/69	1347GMT	34	55.0N	121	13.0W					
	BOTTOM	584M	WIND	320	03KT	WEATHER	2				
	DOMINANT WAVES		330	03	05		.44	2.	.04	.8	286.2
77.060	07/23/69	1035GMT	34	42.5N	121	34.5W					
	BOTTOM	981M	WIND	290	03KT	WEATHER					
	DOMINANT WAVES		300	03	05		.44	2.	.09	1.5	293.2
77.065	07/23/69	0807GMT	34	32.5N	121	55.0W					
	BOTTOM	3730M	WIND	280	06KT	WEATHER					
	DOMINANT WAVES		330	03	05		.30	1.	.05	.0	348.5
77.070	07/23/69	0549GMT	34	24.0N	122	16.0W					
	BOTTOM	4110M	WIND	310	09KT	WEATHER	2				
	DOMINANT WAVES		330	03	05		.30	1.	.05	.0	353.9
77.080	07/23/69	0045GMT	34	04.0N	122	57.0W					
	BOTTOM	4308M	WIND	320	03KT	WEATHER	2				
	DOMINANT WAVES		330	04	05		.30	2.	.07	.0	356.9
77.090	07/22/69	1808GMT	33	43.0N	123	39.0W					
	BOTTOM	4498M	WIND	350	12KT	WEATHER	2				
	DOMINANT WAVES		340	08	05		.30	1.	.00	.0	365.6
80.051	07/21/69	0834GMT	34	26.0N	120	32.5W					
	BOTTOM	127M	WIND	310	10KT	WEATHER					
	DOMINANT WAVES						.25	2.	.00	.0	320.4
80.065	07/21/69	2002GMT	33	59.0N	121	30.0W					
	BOTTOM	344M	WIND	270	04KT	WEATHER	2				
	DOMINANT WAVES		270	05	06		.41	1.	.00	.0	343.5
83.040	07/20/69	1210GMT	34	14.0N	119	22.0W					
	BOTTOM	21M	WIND	280	06KT	WEATHER					
	DOMINANT WAVES						.33	3.	.00	.0	373.0
83.055	07/20/69	0309GMT	33	44.0N	120	24.5W					
	BOTTOM	1202M	WIND	300	06KT	WEATHER	2				
	DOMINANT WAVES		300	03	07		.25	1.	.00	.0	360.6

RV DAVID STARR JORDAN

CALCOFI CRUISE 6907

TEN METER DATA

					Z	T	S	02	PO4	SI03	NO2	NO3	DT
83.060	07/19/69	2323GMT	33 34.0N	120 45.0W	10	15.69	33.557		.39	2.	.00	.8	322.5
	BOTTOM	1110M	WIND 300	04KT WEATHER 2									
	DOMINANT WAVES 300 03 07												
83.070	07/19/69	1751GMT	33 14.0N	121 24.5W	10	15.02	33.467		.41	2.	.00	.9	315.0
	BOTTOM	3832M	WIND 270	WEATHER 2									
	DOMINANT WAVES 280 01 07												
83.080	07/19/69	1206GMT	32 54.0N	122 08.0W	10	14.18	33.596		.72	4.	.06	4.6	288.5
	BOTTOM	4308M	WIND 330	01KT WEATHER									
	DOMINANT WAVES												
83.090	07/19/69	0620GMT	32 35.0N	122 50.0W	10	15.65	33.095		.33	2.	.00	.0	355.4
	BOTTOM	4116M	WIND 150	04KT WEATHER									
	DOMINANT WAVES												
87.033	07/17/69	0709GMT	33 54.0N	118 29.5W	10	19.64	33.57		.22	1.	.01	.0	412.3
	BOTTOM	50M	WIND 280	06KT WEATHER									
	DOMINANT WAVES												
87.050	07/17/69	2105GMT	33 20.0N	119 39.5W	10		33.67		.33	2.	.06	.6	
	BOTTOM	75M	WIND 210	02KT WEATHER 4									
	DOMINANT WAVES 270 02 07												
87.055	07/18/69	0010GMT	33 10.0N	120 00.0W	10	15.55	33.54		.39	2.	.11	.1	320.8
	BOTTOM	1202M	WIND 230	01KT WEATHER 2									
	DOMINANT WAVES 320 03 08												
87.060	07/18/69	0600GMT	33 00.0N	120 22.0W	10	15.00	33.44		.33	1.	.00	.0	316.6
	BOTTOM	984M	WIND 090	02KT WEATHER									
	DOMINANT WAVES 230 02 07												
87.070	07/18/69	1130GMT	32 39.5N	121 02.0W	10	14.58	33.29		.36	1.	.00	.0	319.0
	BOTTOM	3926M	WIND 290	02KT WEATHER									
	DOMINANT WAVES												
87.080	07/18/69	1748GMT	32 20.0N	121 42.0W	10	13.98	33.471		.72	2.	.09	3.1	293.7
	BOTTOM	4212M	WIND	00KT WEATHER 2									
	DOMINANT WAVES 330 05 07												
87.090	07/19/69	0024GMT	31 59.0N	122 24.0W	10		33.174		.33	2.	.00	.0	
	BOTTOM	4403M	WIND	00KT WEATHER 2									
	DOMINANT WAVES 330 05 06												
93.045	07/11/69	1100GMT	32 20.0N	118 31.0W	10	17.74	33.69		.22	1.	.00	.2	358.3
	BOTTOM	1849M	WIND 310	06KT WEATHER									
	DOMINANT WAVES 300 04 05												
93.050	07/11/69	1512GMT	32 08.5N	118 51.0W	10	16.90	33.70		.28	2.	.02	.3	338.5
	BOTTOM	1572M	WIND 290	03KT WEATHER 2									
	DOMINANT WAVES 310 06 05												

RV DAVID STARR JORDAN

CALCOPI CRUISE 6907

TEN METER DATA

					Z	T	S	O2	PO4	SI03	NO2	NO3	DT
93.055	07/11/69	1850GMT	31 57.5N	119 11.0W	10	14.86	33.23		.30	2.	.00	.0	329.1
		BOTTOM	1669M	WIND 290 06KT									
		DOMINANT WAVES	310 04 06	WEATHER 1									
93.060	07/12/69	0000GMT	31 49.0N	119 31.5W	10		33.18		.30	1.	.03	.0	
		BOTTOM	3737M	WIND 290 08KT									
		DOMINANT WAVES	300 07 06	WEATHER 2									
93.070	07/12/69	0450GMT	31 30.0N	120 15.0W	10	16.04	33.11		.30	2.	.02	.0	362.7
		BOTTOM	4021M	WIND 040 01KT									
		DOMINANT WAVES		WEATHER									
93.080	07/12/69	0908GMT	31 10.0N	120 54.5W	10	15.94	33.11		.28	2.	.00	.0	360.5
		BOTTOM	4116M	WIND 280 05KT									
		DOMINANT WAVES	280 03 05	WEATHER									
93.090	07/12/69	1425GMT	30 50.0N	121 34.5W	10	17.44	33.42		.25	2.	.02	.0	371.1
		BOTTOM	4116M	WIND 290 06KT									
		DOMINANT WAVES	310 04 06	WEATHER 2									
93.100	07/12/69	2111GMT	30 30.0N	122 14.0W	10	17.44	33.38		.25	2.	.08	.0	374.0
		BOTTOM	4308M	WIND 330 10KT									
		DOMINANT WAVES	320 05 05	WEATHER 2									
93.120	07/13/69	0728GMT	29 49.0N	123 35.0W	10	17.32	33.18		.28	2.	.00	.0	385.8
		BOTTOM	4212M	WIND 360 10KT									
		DOMINANT WAVES	010 05 05	WEATHER									
93.140	07/13/69	1700GMT	29 09.0N	124 53.0W	10	18.12	33.44		.22	2.	.00	.0	385.3
		BOTTOM	4308M	WIND 340 14KT									
		DOMINANT WAVES	330 06 05	WEATHER 2									

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