

UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 7505
7 May - 6 June 1975

CalCOFI Cruise 7506
8 June - 12 June 1975

CalCOFI Cruise 7507
23 June - 18 July 1975

CalCOFI Cruise 7509
13 September - 22 September 1975

CalCOFI Cruise 7510
2 October - 16 November 1975

CalCOFI Cruise 7512
8 December - 14 December 1975

SIO Reference 84-13
15 June 1984

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Sponsored by
Marine Research Committee

SIO Reference 84-13
15 June 1984

Approved for distribution:


W. A. Nierenberg, Director

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INTRODUCTION

The data in this report were collected during Cruises 7505*, 7506, 7507, 7509, 7510, and 7512 of the California Cooperative Oceanic Fisheries Investigations (CalCOFI) program aboard the RV *David Starr Jordan* of the National Marine Fisheries Service and the RV *Alexander Agassiz* of the Scripps Institution of Oceanography. Cruises 7505, 7507, and 7510 extended over large parts of the CalCOFI grid, while Cruises 7506, 7509, and 7512 concentrated on the Los Angeles Bight area. The report preceding this one in the series was SIO Ref. 84-10 which included data for 1974 and 1975.

The data were collected and processed by personnel of the Data Collection and Processing Group (DCPG**), Marine Life Research Group (MLRG), and the Southwest Fisheries Center, National Marine Fisheries Service (NMFS).

STANDARD PROCEDURES

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

Plessey Environmental Systems Model 9040 STDs were used for most stations by both the *Jordan* and the *Agassiz*. Temperature and salinity offset corrections were applied to the STD data based upon Nansen bottle data comparisons. At most stations, the maximum sampling depth was 1000 meters, bottom depth permitting. An 18-bottle Nansen cast replaced the STD cast on the few stations where the STD failed.

Hydrographic Cast Data

The hydrographic casts consisted of 18 or fewer Nansen bottles lowered to a maximum sampling depth of 1000 meters, bottom depth permitting. Usually there was only one Nansen cast per CalCOFI station. Temperature, salinity, and oxygen were determined for all depths sampled.

On STD lowerings, a Nansen bottle was usually placed on the wire a few meters above the STD and another bottle was lowered to a depth of 10 meters. Temperature and salinity were determined from both bottles on most stations; dissolved oxygen was occasionally determined from the 10-meter bottle. A 10-meter bottle was also taken on most net-tow stations.

Paired protected reversing thermometers were used to determine temperatures which are recorded to hundredths of a degree Celsius. Sampling bottles used below a depth of 100 meters were equipped with unprotected thermometers for determination of the depth of sampling.

Salinity samples were analyzed at sea using inductive-type salinometers. The salinity values are reported to three decimal places, provided accepted standards were met. If there was doubt concerning the accuracy of the analytical results, the salinities are reported to two decimal points. All STD salinities are tabulated to two decimal places.

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

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

TABULATED DATA

The time reported is Greenwich Mean Time (GMT). For STD lowerings it is the "start down" time and for Nansen bottle casts it is the time of messenger release.

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

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

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

Data for all the cruises included in this report were obtained by Nansen bottle and STD casts and are presented in three forms:

1) Data from the sample bottle casts are tabulated with the observed levels of depth on the left of a page, and standard depth values of temperature, salinity and oxygen interpolated from those observations are on the right of a page. Additional computed values are also presented.

2) Data from the STD lowerings are presented with two stations printed side by side. Temperature and salinity are tabulated at closer standard intervals than the interpolated standard depth bottle data. Additional computed values are also presented.

3) Ten-meter temperature, salinity and occasionally oxygen data from net tow 10-meter bottles and STD 10-meter check bottles appear as separate sections.

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 93.30 appears in the tabulated data as 93030. The CalCOFI station designations have been in use for over thirty 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. On some closely-spaced special inshore stations, an additional superscript number may appear after the line number or station number to indicate a finer resolution of the non-standard station location.

The column headings are to be interpreted as follows:

Z	Depth	Meters
T	Temperature	° C
S	Salinity	‰
O2	Dissolved Oxygen	ml/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	g/L
or	density the parcel of sea water would have	
SIGMA T	if moved isothermally to the sea surface.	
DD	Geopotential anomaly, referred to the sea surface.	dynamic meters

FOOTNOTES

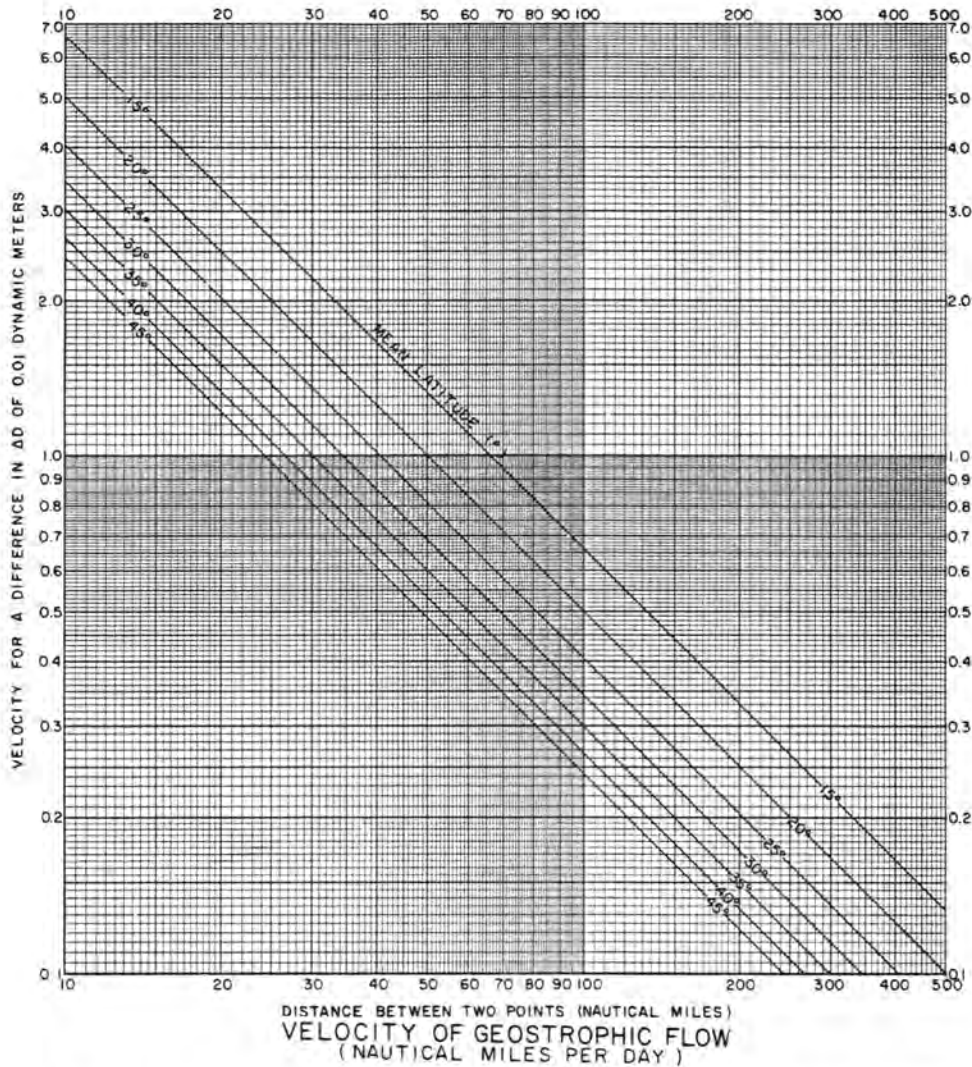
In addition to explicit footnotes, the following notations have been used.

P: Nansen bottle posttripped.

U: Uncertain value - not used in interpolation.

LITERATURE CITED

- Anderson, G. C., compiler, 1971. "Oxygen Analysis," Marine Technician's Handbook, SIO Ref. No. 71-8, Sea Grant Pub. No. 9.
- Carpenter, J. H., 1965. The Chesapeake Bay Institute technique for the Winkler dissolved oxygen method. *Limnol. Oceanogr.*, 10: 141-143.
- Klein, Hans T., 1973. A new technique for processing physical oceanographic data. SIO Ref. No. 73-14.
- Matthews, D. J., 1939. Tables of the velocity of sound in pure water and seawater for use in echosounding and sound-ranging. Second Edition. Hydrographic Department, Admiralty, H. D. 282, 52 pp.
- Plessey Environmental Systems, 1974. Instruction Manual, *In situ* Salinity/Temperature/Depth Monitoring and Recording System, Model 9040.



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)

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

FIGURES

Cruise 7507

1. CalCOFI Cruise 7507, 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.

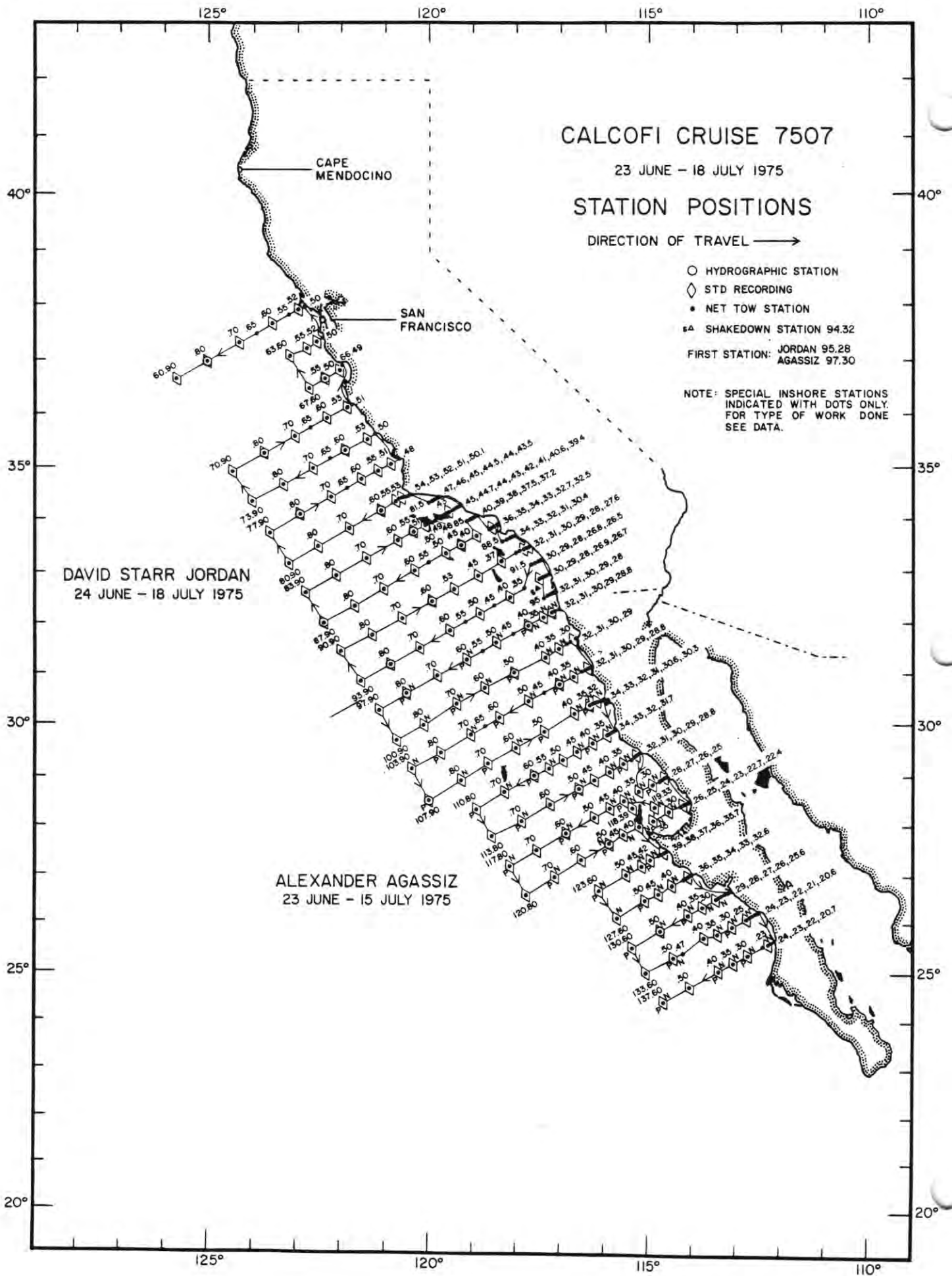


FIGURE 1

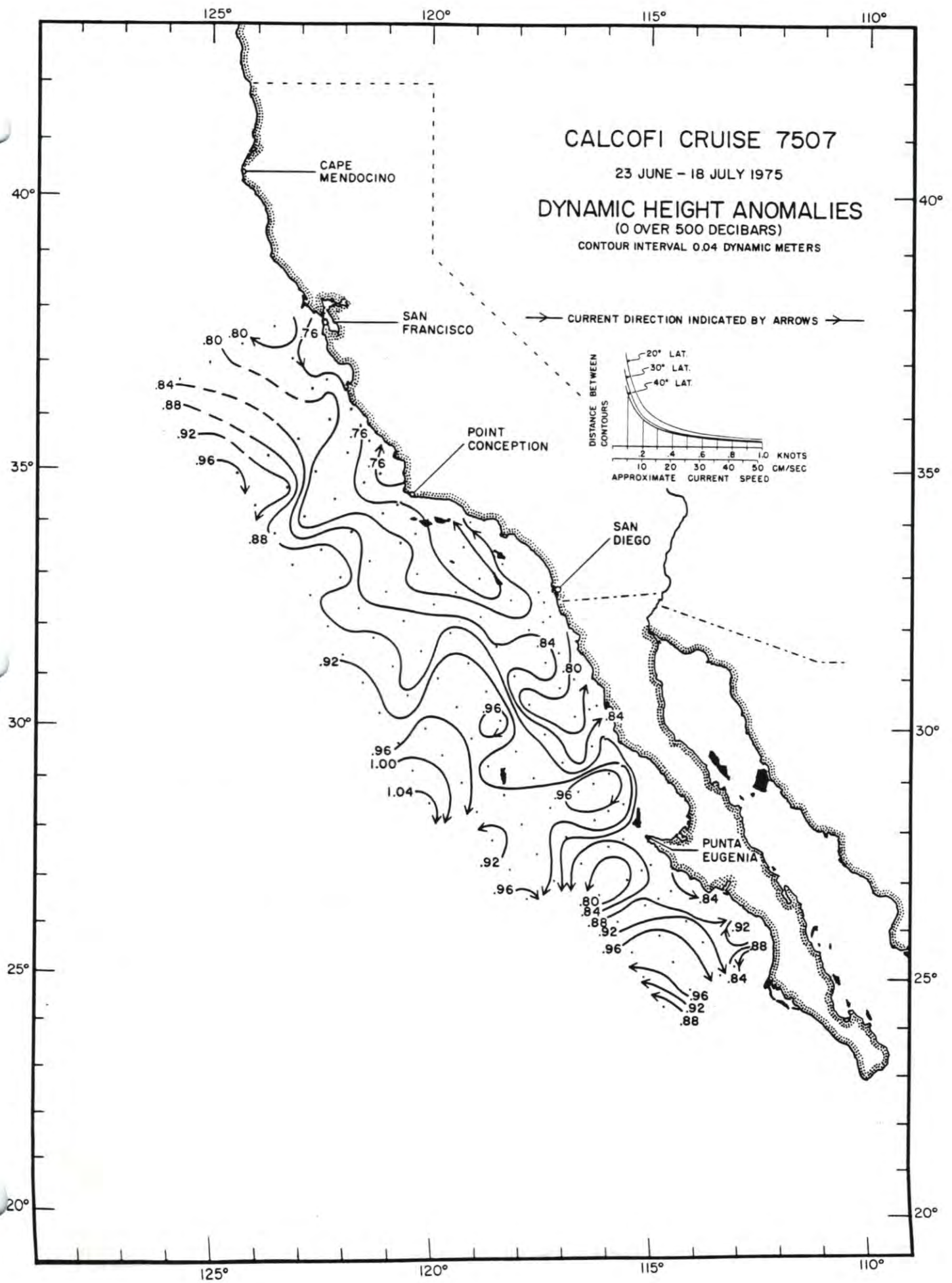


FIGURE 2

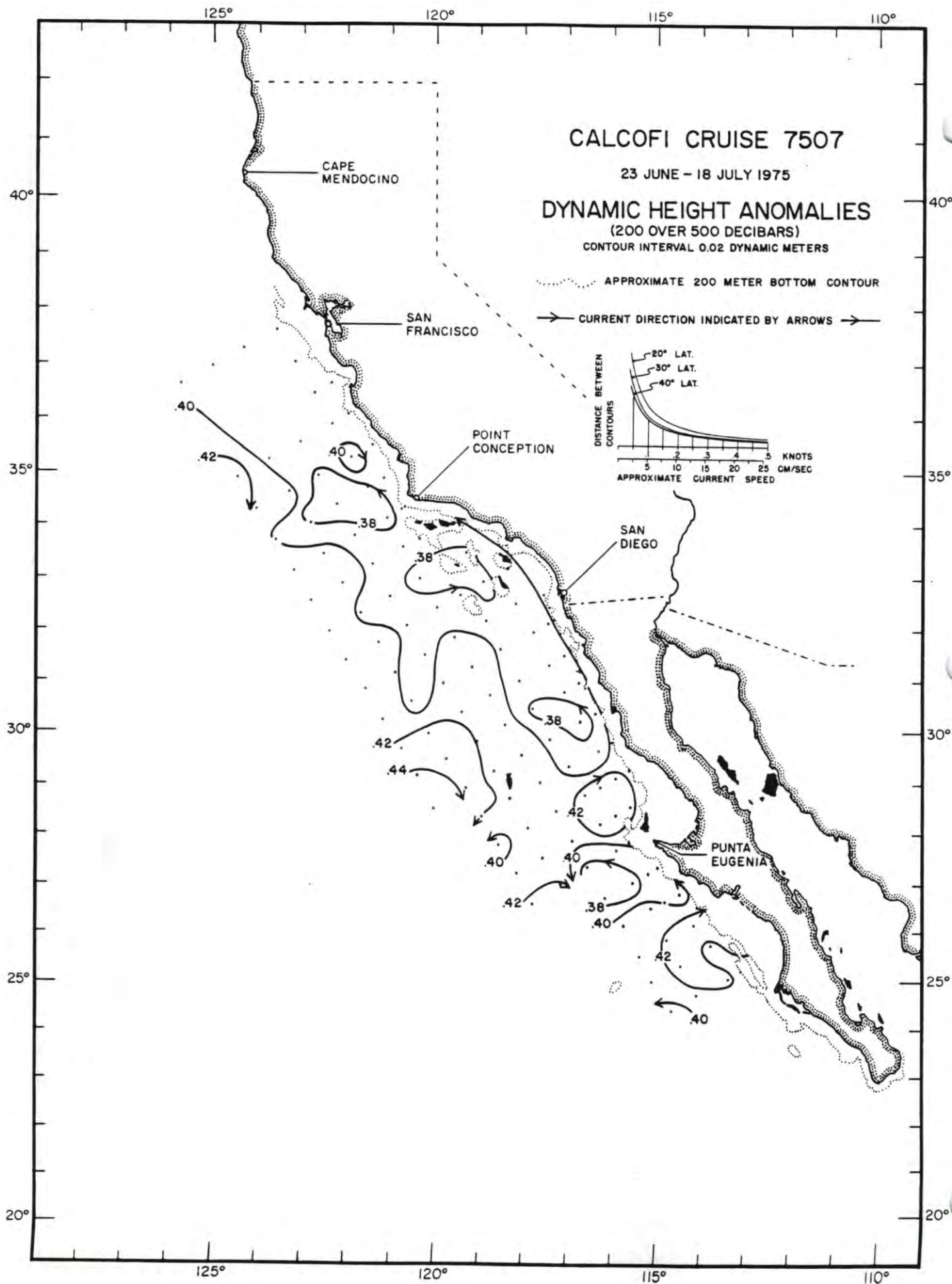


FIGURE 3

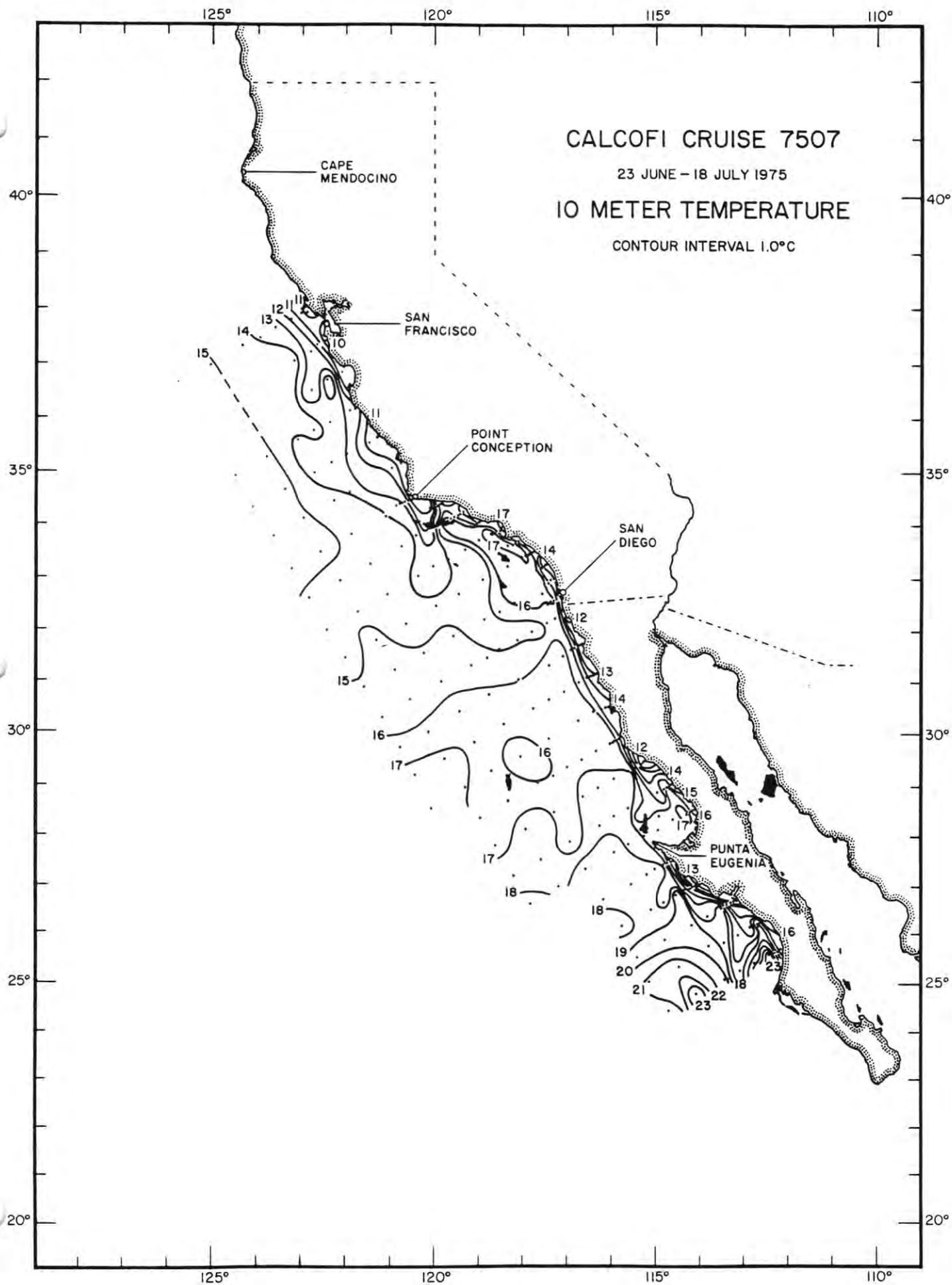


FIGURE 4

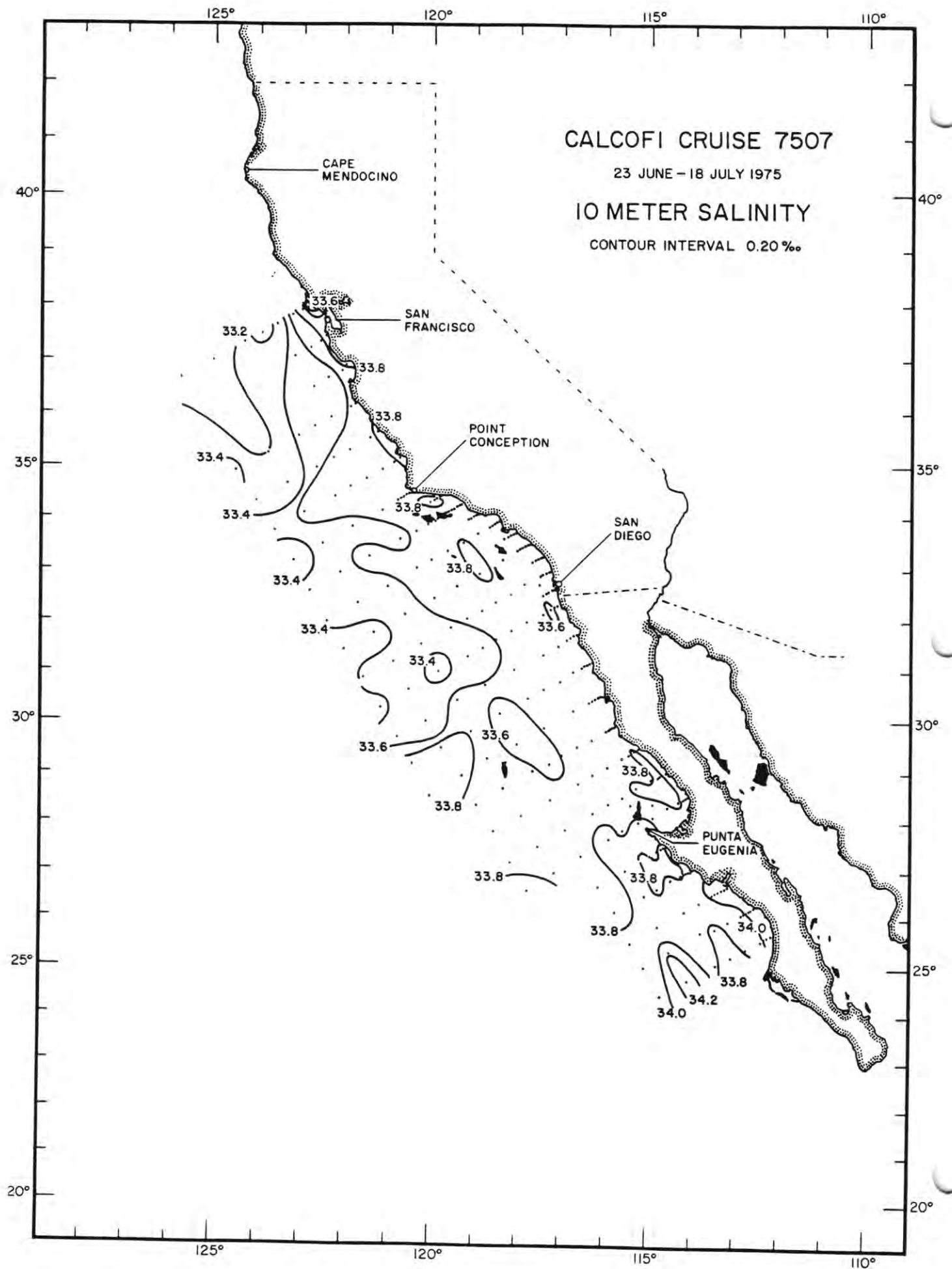


FIGURE 5

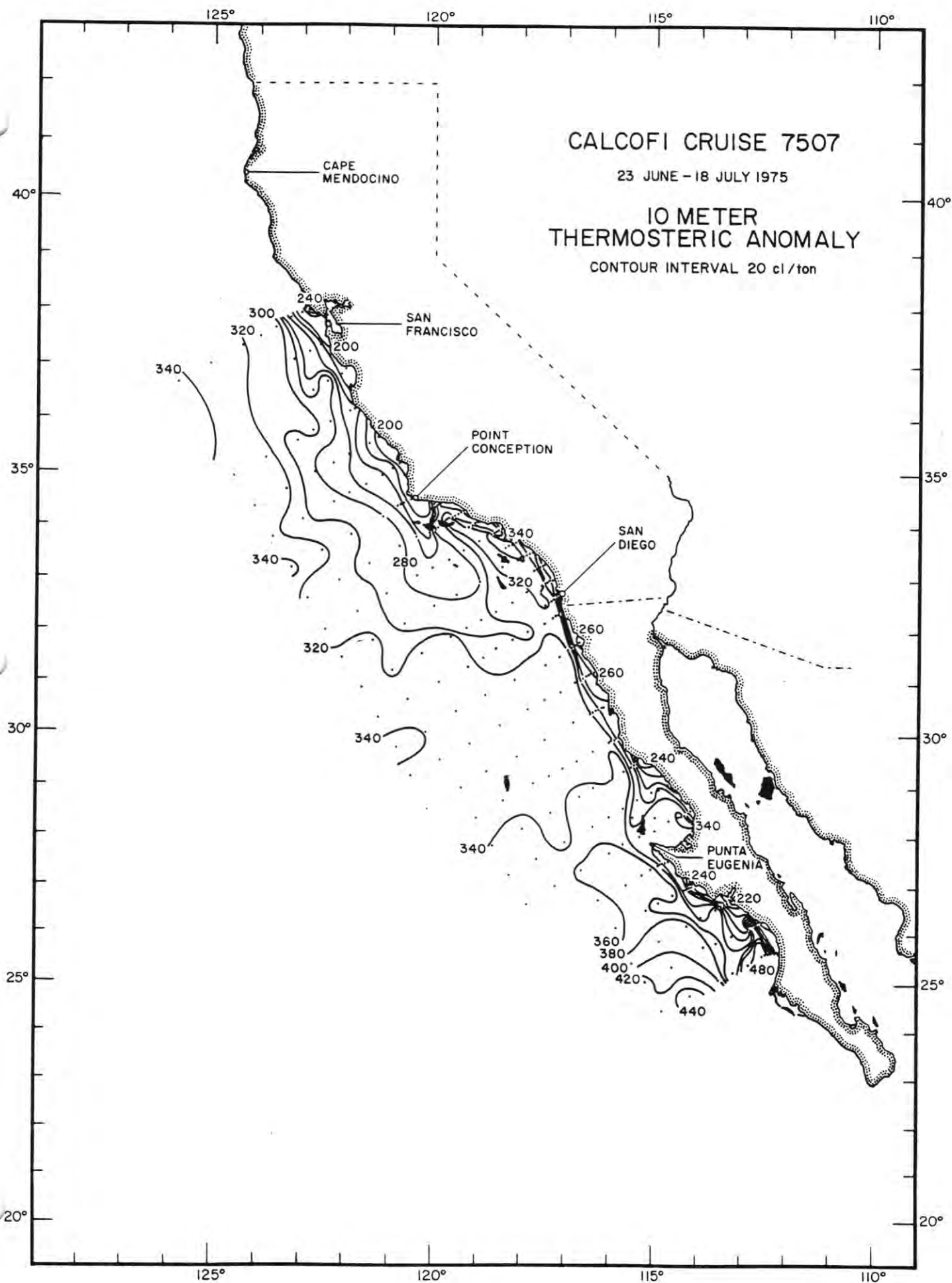


FIGURE 6

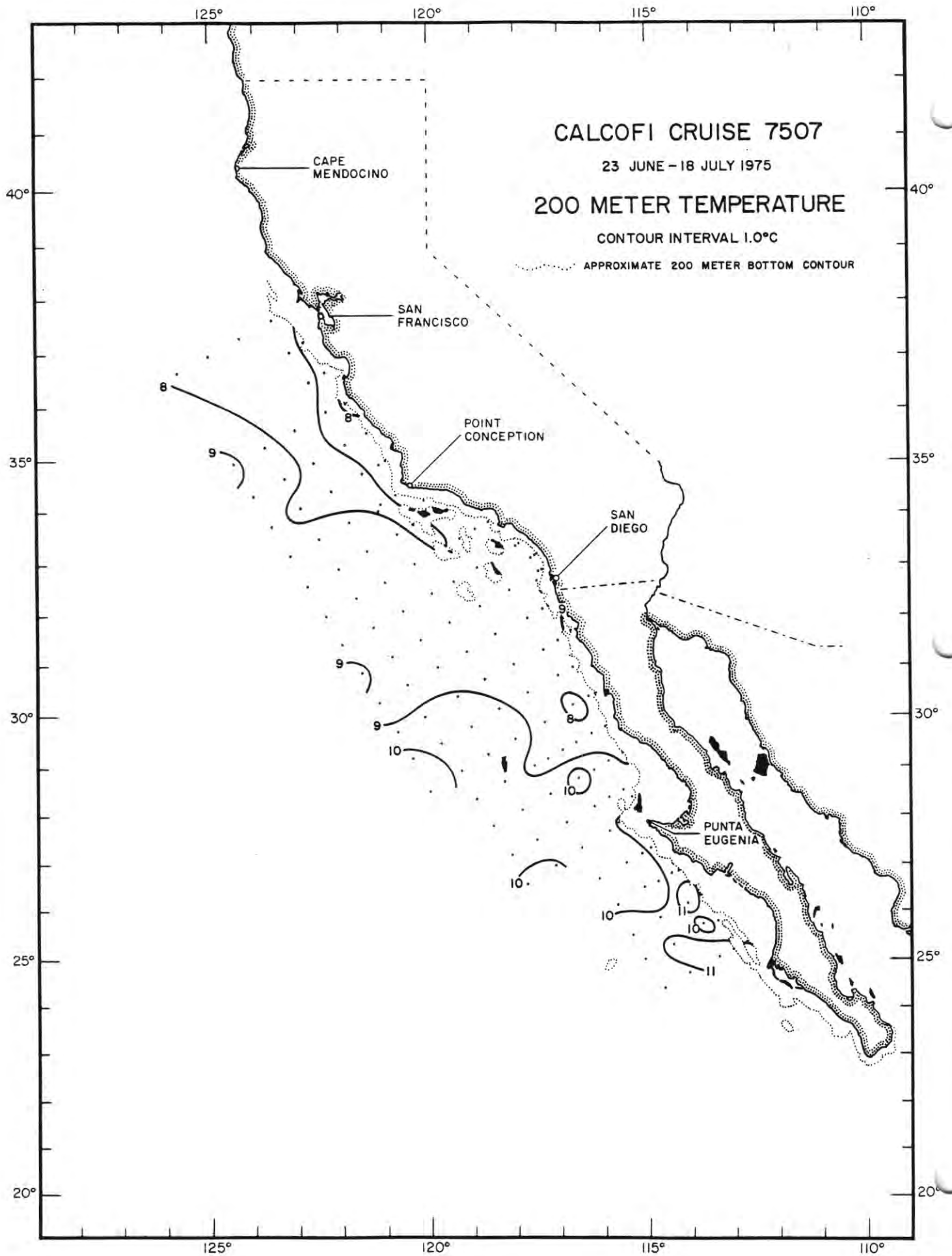


FIGURE 7

125° 120° 115° 110°

CALCOFI CRUISE 7507

23 JUNE - 18 JULY 1975

200 METER SALINITY

CONTOUR INTERVAL 0.20‰

..... APPROXIMATE 200 METER BOTTOM CONTOUR

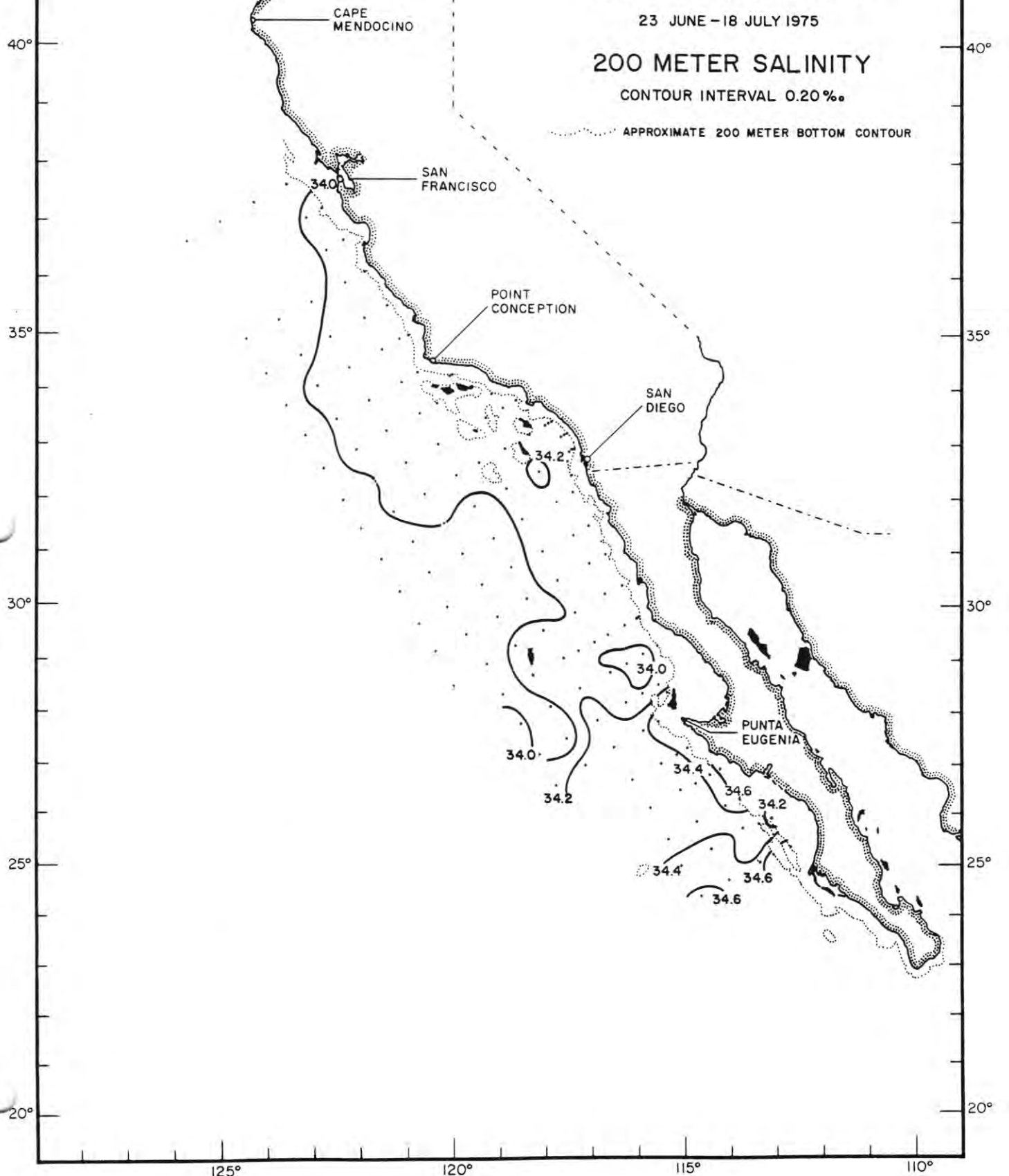


FIGURE 8

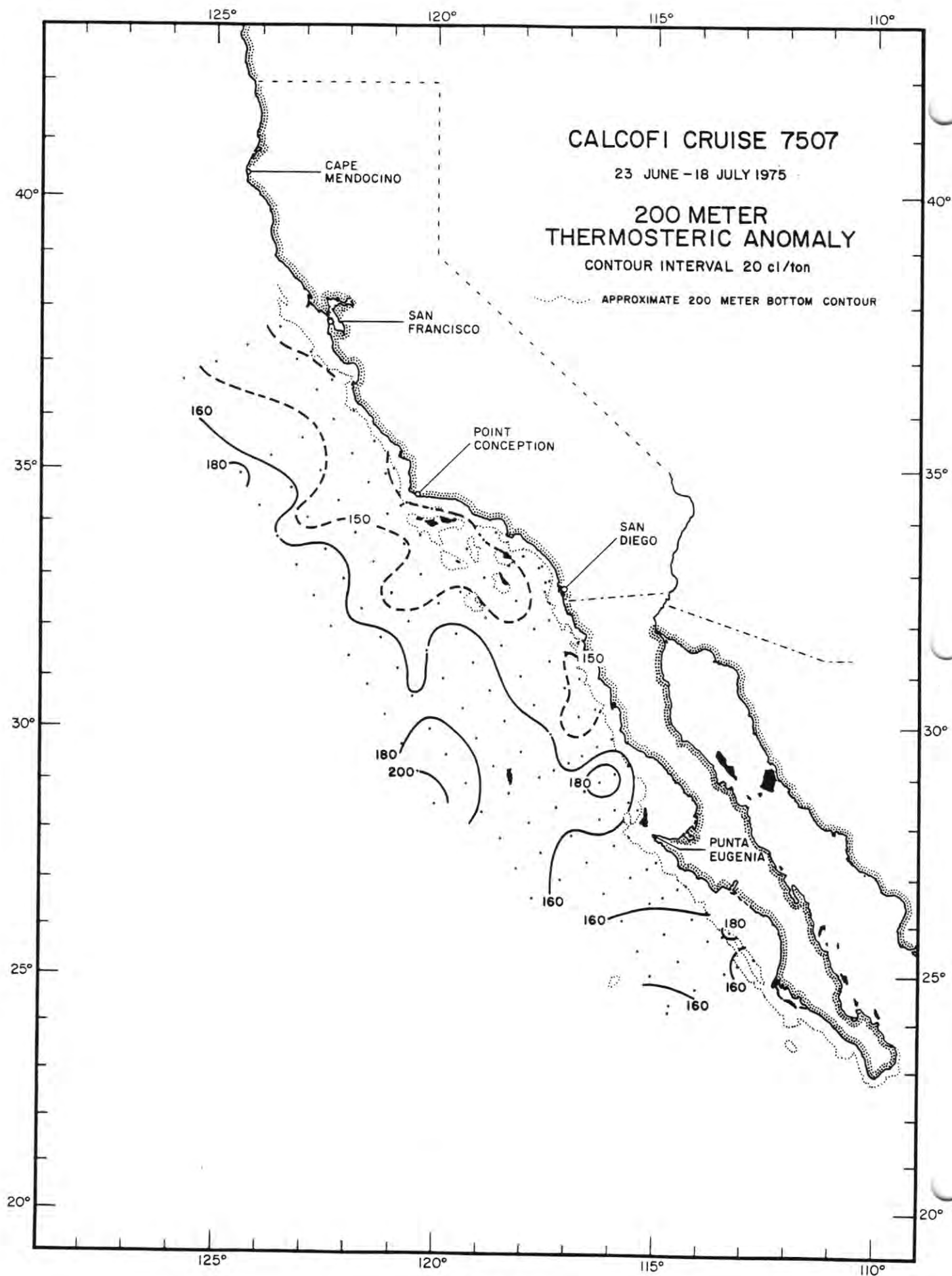


FIGURE 9

PERSONNEL

Cruise 7507

SHIPS' CAPTAINS

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

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

RV *Alexander Agassiz*

Anderson, George C. (in charge)	Marine Technician, SIO
Acuña, Luis Meviño	Student, ESCM
Ahern, Stephen	Biological Technician, NMFS
Bernal, Juan Hernandez	Student, ESCM
Brown, Phillip L.	Student, Fullerton Jr. College
Camejo, Nicholas	Student, UCSD
Cooper, Gregory J.	Student, Fullerton Jr. College
Hayward, Thomas L.	Student, SIO
Mauleon, Ocar Paniagua	Student, ESCM
Medrano, Ramon Catal	Student, ESCM
Patla, Susan M.	Marine Technician, SIO
Singleton, James R.	Electronics Technician, SIO

RV *David Starr Jordan*

Counts, Robert C. (in charge)	Fishery Biologist, NMFS
Bernal, Patricio	Student, SIO
Butler, John L.	Fishery Biologist, NMFS
Castaldini, M.	Student, SIO
D'Vincent, Susan	Biological Technician, NMFS
Finley, J.	Electronics Technician, NUC
Graham, Jerry	Electronics Technician, SIO
Guitierrez, E.	Student, ESCM
Hernandez, H.	Student, ESCM
Lewis, Joyce	SIO
Metoyer, Jack	Biological Technician, NMFS
Rotenberg, V.	
Rowe, Raymond A.	Marine Technician, SIO
Sanchez, A.	Student, ESCM
Stevens, Elizabeth	Biological Technician, NMFS

60052		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507					60060				
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME						
37 54.0N	123 01.5W	07/18/75	0057 GMT			37 37.0N	123 37.0W	07/18/75	0550 GMT						
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
73M	260	14KT	2	250 3 4			2595M	300	13KT						
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD				
0	12.90	33.40	25.195	278.1	0.000	0	13.82	33.23	24.879	308.2	0.000				
10	10.90	33.78	25.864	214.4	0.024	10	13.82	33.23	24.879	308.2	0.030				
20	9.64	33.94	26.206	182.0	0.044	20	13.58	33.21	24.912	305.0	0.061				
30	9.40	33.96	26.261	176.8	0.062	30	13.31	33.22	24.975	299.1	0.091				
40	9.21	33.96	26.291	173.9	0.080	40	12.75	33.37	25.201	277.5	0.120				
50	8.03	33.97	26.328	170.4	0.097	50	12.66	33.44	25.273	270.7	0.148				
60	8.59	33.98	26.405	163.1	0.114	75	11.26	33.44	25.536	245.7	0.213				
						100	9.23	33.65	26.046	197.2	0.269				
						125	8.58	33.83	26.289	174.1	0.315				
						150	8.23	33.91	26.405	163.1	0.358				
						175	8.02	33.96	26.476	156.4	0.399				
						200	7.66	33.97	26.536	150.6	0.438				
						225	7.27	33.99	26.607	143.9	0.476				
						250	7.10	34.02	26.655	139.4	0.512				
						275	6.90	34.05	26.706	134.5	0.547				
						300	6.67	34.07	26.753	130.1	0.581				
						350	6.22	34.11	26.843	121.5	0.647				
						400	5.73	34.11	26.905	115.6	0.708				
						450	5.46	34.15	26.970	109.5	0.767				
						500	5.60	34.24	27.024	104.4	0.824				
						550	5.40	34.28	27.079	99.1	0.878				
						600	5.25	34.31	27.121	95.1	0.930				
						700	4.81	34.36	27.211	86.6	1.028				
						800	4.50	34.39	27.270	81.0	1.120				
						900	4.08	34.42	27.339	74.5	1.206				
						1000	3.83	34.45	27.388	69.8	1.286				

60070		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507					60080				
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME						
37 17.0N	124 21.0W	07/18/75	1145 GMT			36 57.0N	125 04.0W	07/18/75	1627 GMT						
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
4216M	320	13KT					4493M	320	7KT	2	230 3 4				
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD				
0	14.30	33.20	24.756	319.9	0.000	0	15.07	33.16	24.561	338.5	0.000				
10	14.11	33.23	24.819	313.9	0.031	10	15.03	33.14	24.554	339.1	0.033				
20	13.79	33.28	24.923	304.0	0.062	20	13.59	33.25	24.941	302.3	0.066				
30	12.34	33.28	25.211	276.6	0.091	30	12.44	33.31	25.215	276.2	0.095				
40	10.48	33.29	25.558	243.6	0.117	40	12.03	33.29	25.278	270.3	0.122				
50	10.30	33.40	25.674	232.6	0.141	50	10.41	33.17	25.477	251.4	0.148				
75	9.34	33.55	25.951	206.3	0.196	75	9.60	33.49	25.862	214.7	0.207				
100	8.85	33.72	26.161	186.2	0.246	100	8.68	33.63	26.118	190.4	0.258				
125	8.45	33.86	26.333	170.0	0.291	125	8.24	33.80	26.318	171.4	0.303				
150	8.13	33.94	26.444	159.4	0.333	150	8.13	33.95	26.451	158.7	0.345				
175	7.80	33.98	26.524	151.8	0.372	175	7.80	33.96	26.508	153.3	0.385				
200	7.58	33.99	26.563	148.0	0.411	200	7.35	33.97	26.581	146.4	0.423				
225	7.23	34.01	26.629	141.8	0.448	225	7.10	33.99	26.631	141.6	0.460				
250	6.93	34.02	26.678	137.1	0.483	250	6.97	34.01	26.665	138.4	0.496				
275	6.75	34.05	26.726	132.6	0.518	275	6.76	34.05	26.725	132.7	0.531				
300	6.41	34.05	26.771	128.3	0.552	300	6.60	34.05	26.746	130.7	0.565				
350	6.16	34.10	26.843	121.5	0.617	350	6.08	34.06	26.822	123.5	0.631				
400	5.65	34.12	26.923	113.9	0.678	400	5.67	34.08	26.889	117.2	0.693				
450	5.42	34.15	26.975	109.1	0.736	450	5.31	34.10	26.948	111.5	0.753				
500	5.04	34.18	27.043	102.6	0.792	500	5.27	34.16	27.000	106.6	0.810				
550	4.87	34.23	27.102	97.0	0.845	550	5.11	34.22	27.066	100.3	0.865				
600	4.74	34.29	27.164	91.1	0.895	600	4.88	34.25	27.117	95.6	0.917				
700	4.50	34.35	27.238	84.0	0.949	700	4.55	34.32	27.209	86.8	1.015				
800	4.23	34.40	27.307	77.5	1.077	800	4.33	34.39	27.288	79.3	1.106				
900	3.97	34.43	27.358	72.7	1.160	900	4.06	34.42	27.340	74.3	1.191				
1000	3.72	34.46	27.407	68.0	1.239	1000	3.81	34.46	27.398	68.9	1.271				

RV DAVID STARR JORDAN										CALCOFI CRUISE 7507					60080				
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES									
36 57.0N	125 04.0W	7/18/75	1735			4493M	320	7KT	2	230 3 4									
Z	T	S	02	04	03	02	03	DT	Z	T	S	02	SIGT	DT	DD				
1	14.89	33.178	6.08					333.5	0	14.89	33.178	6.08	24.614	333.5	0.000				
10	13.75	33.218	6.31					307.7	10	13.75	33.218	6.31	24.884	307.7	0.032				
29	12.38	33.331	6.35					273.6	20	13.00	33.293	6.33	25.090	288.1	0.061				
56	9.42	33.280	5.27					227.5	30	12.28	33.331	6.31	25.262	271.8	0.089				
75	9.32	33.545	4.95					206.3	50	9.96	33.272	5.53	25.631	236.7	0.140				
89	8.84	33.592	4.32					195.6	75	9.32	33.545	4.95	25.950	206.3	0.196				
103	8.51	33.665	3.98					185.3	100	8.56	33.649	4.03	26.148	187.4	0.246				
126	8.26	33.798	3.69					171.8	125	8.26	33.793	3.70	26.308	172.3	0.291				
154	8.17	33.931	2.91					160.7	150	8.18	33.917	3.01	26.417	162.0	0.334				
182	7.80	33.959	2.90					153.4	200	7.53	33.964	2.88	26.550	149.4	0.413				
215	7.32	33.967	2.87					146.2	250	7.00	34.007	2.32	26.657	139.1	0.487				
286	6.76	34.053	1.64					132.5	300	6.62	34.062	1.51	26.751	130.2	0.556				
386	5.88	34.098	1.05					118.3	400	5.79	34.107	0.97	26.895	116.6	0.684				
491	5.34	34.166	0.59					107.0	500	5.30	34.172	0.56	27.006	106.1	0.801				
595	4.94	34.236	0.34					97.3	600	4.92	34.240	0.33	27.104	96.8	0.909				
726	4.51	34.341	0.23					84.8	700	4.58	34.321	0.23	27.205	87.2	1.008				
877	4.11	34.416	0.31					75.1	800	4.30	34.383	0.24	27.285	79.6	1.099				
1041	3.73	34.465	0.50					67.8	1000	3.81	34.456	0.44	27.394	69.3	1.264				

60090		RV DAVID STARR JORDAN			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
36 37.0N	125 47.0W	07/18/75	2349 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
4493M	310	5KT	1	340 3 6	
Z	T	S	SIGMA T	DT	DD
0	16.50	33.15	24.233	369.7	0.000
10	16.10	33.15	24.325	361.0	0.036
20	15.64	33.16	24.436	350.4	0.072
30	15.41	33.22	24.533	341.2	0.106
40	13.59	33.27	24.957	300.8	0.139
50	12.59	33.32	25.194	278.2	0.168
75	9.77	33.52	25.857	215.2	0.230
100	5.30	33.71	26.082	193.8	0.281
125	8.70	33.87	26.302	172.9	0.328
150	8.39	33.94	26.404	163.1	0.370
175	8.08	33.96	26.467	157.2	0.411
200	7.80	33.98	26.524	151.8	0.450
225	7.42	34.00	26.594	145.1	0.488
250	7.18	34.02	26.644	140.4	0.525
275	6.89	34.02	26.684	136.6	0.561
300	6.66	34.04	26.731	132.2	0.595
350	6.18	34.08	26.825	123.2	0.661
400	5.78	34.11	26.899	116.2	0.724
450	5.55	34.17	26.975	109.0	0.783
500	5.35	34.21	27.030	103.8	0.839
550	5.21	34.26	27.086	98.4	0.893
600	5.08	34.29	27.125	94.8	0.944
700	4.68	34.35	27.218	85.9	1.042
800	4.31	34.40	27.298	78.4	1.131
900	3.97	34.42	27.350	73.4	1.215
1000	3.72	34.46	27.407	68.0	1.294

CALCOFI CRUISE 7507		63052			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
37 19.0N	122 36.0W	07/17/75	1828 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
84M	260	6KT	2	300 2 8	
Z	T	S	SIGMA T	DT	DD
0	11.73	33.62	25.589	240.6	0.000
10	11.47	33.68	25.684	231.6	0.023
20	11.24	33.69	25.734	226.9	0.046
30	9.94	33.80	26.046	197.1	0.067
40	9.18	33.85	26.210	181.6	0.086
50	8.72	33.88	26.307	172.4	0.104
75	8.41	34.00	26.448	159.0	0.146

63055		RV DAVID STARR JORDAN			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
37 12.5N	122 50.0W	07/17/75	1630 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
257M	300	10KT	2	310 4 5	
Z	T	S	SIGMA T	DT	DD
0	12.55	33.62	25.433	255.4	0.000
10	12.40	33.62	25.462	252.7	0.025
20	11.51	33.64	25.645	235.2	0.049
30	10.03	33.57	25.852	215.6	0.072
40	9.26	33.69	26.073	194.7	0.093
50	9.07	33.76	26.158	186.6	0.112
75	8.65	33.96	26.380	165.4	0.156
100	8.38	34.01	26.461	157.8	0.197
125	8.28	34.03	26.491	154.9	0.236
150	8.22	34.04	26.508	153.3	0.276
175	8.11	34.04	26.525	151.7	0.314
200	8.08	34.05	26.537	150.5	0.353

CALCOFI CRUISE 7507		63060			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
37 02.5N	123 11.5W	07/17/75	1324 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
2785M	330	15KT	1	320 6 7	
Z	T	S	SIGMA T	DT	DD
0	14.30	33.56	25.033	293.5	0.000
10	14.31	33.56	25.031	293.7	0.029
20	14.25	33.56	25.043	292.5	0.058
30	12.96	33.50	25.260	271.9	0.087
40	10.77	33.57	25.724	227.7	0.112
50	9.82	33.72	26.004	201.2	0.133
75	9.15	33.77	26.153	187.0	0.182
100	8.65	33.87	26.310	172.1	0.227
125	8.20	33.94	26.433	160.4	0.269
150	7.84	33.98	26.518	152.4	0.309
175	7.64	34.01	26.571	147.4	0.347
200	7.46	34.03	26.612	143.4	0.384
225	7.28	34.04	26.645	140.3	0.421
250	7.07	34.05	26.683	136.7	0.456
275	6.86	34.08	26.735	131.8	0.491
300	6.66	34.09	26.770	128.5	0.524
350	6.31	34.12	26.839	121.8	0.589
400	5.95	34.15	26.909	115.2	0.651
450	5.59	34.19	26.985	108.0	0.710
500	5.42	34.23	27.038	103.1	0.765
550	5.27	34.26	27.079	99.1	0.819
600	5.18	34.31	27.129	94.4	0.871
700	4.80	34.37	27.220	85.7	0.968
800	4.52	34.41	27.283	79.7	1.059
900	4.21	34.43	27.333	75.1	1.145
1000	3.93	34.45	27.378	70.8	1.226

67050 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
36 48.5N	122 04.5W	07/17/75	0127 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
103M	310	19KT	4	290 2 3	
Z	T	S	SIGMA T	DT	DD
0	11.68	33.74	25.692	230.9	0.000
10	11.57	33.73	25.704	229.7	0.023
20	10.49	33.73	25.898	211.3	0.045
30	10.40	33.76	25.937	207.6	0.066
40	9.62	33.78	26.084	193.6	0.086
50	9.33	33.83	26.171	185.3	0.105
75	8.92	33.96	26.338	169.5	0.149

CALCOFI CRUISE 7507 67055

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
36 39.0N	122 26.0W	07/17/75	0417 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
2130M	350	20KT			
Z	T	S	SIGMA T	DT	DD
0	14.06	33.54	25.068	290.2	0.000
10	14.06	33.54	25.068	290.2	0.029
20	14.03	33.54	25.074	289.6	0.058
30	13.11	33.54	25.261	271.8	0.086
40	11.33	33.52	25.585	241.0	0.111
50	10.33	33.51	25.755	224.9	0.135
75	9.40	33.82	26.152	187.2	0.187
100	9.04	33.93	26.295	173.5	0.232
125	8.79	33.97	26.366	166.8	0.275
150	8.62	34.01	26.424	161.3	0.317
175	8.42	34.03	26.470	156.9	0.357
200	8.16	34.08	26.549	149.4	0.397
225	7.96	34.09	26.586	145.9	0.434
250	7.83	34.12	26.629	141.8	0.471
275	7.52	34.12	26.674	137.5	0.507
300	7.37	34.16	26.727	132.5	0.542
350	7.03	34.18	26.790	126.5	0.610
400	6.37	34.16	26.863	119.6	0.674
450	6.30	34.21	26.912	115.0	0.736
500	5.87	34.23	26.982	108.3	0.795
550	5.59	34.26	27.041	102.8	0.851
600	5.39	34.28	27.081	99.0	0.905
700	5.03	34.33	27.163	91.2	1.007
800	4.62	34.39	27.257	82.3	1.102
900	4.25	34.43	27.329	75.5	1.190
1000	3.87	34.45	27.384	70.2	1.271

RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME
36 39.0N	122 26.0W	7/17/75	0555 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
2130M	350	20KT						
Z	T	S	02	PD4	SIG3	NO2	NO3	DT
2	14.00	33.544	6.22					288.7
10	14.01	33.545	6.13					288.9
28	13.96	33.540	6.29					288.2
54	9.96	33.637	4.78					209.5
72	9.34	33.873	3.74					182.3
85	9.17	33.904	3.49					177.4
99	8.97	33.937	3.11					171.9
120	8.85	33.960	2.79					168.4
146	8.65	34.005	2.33					162.1
172	8.46	34.038	2.13					156.9
203	8.11	34.077	1.89					148.9
269	7.88	34.147	1.37					140.5
361	7.00	34.187	0.98					125.6
458	5.97	34.203	0.64					111.5
556	5.59	34.263	0.41					102.5
682	5.14	34.326						92.7
830	4.50	34.407	0.32					79.8
990	3.90	34.450	0.43					70.5

CALCOFI CRUISE 7507 67055

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
36 39.0N	122 26.0W	07/17/75	0555 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
2130M	350	20KT				
Z	T	S	02	SIGT	DT	DD
0	14.00	33.544	6.22	25.083	288.7	0.000
10	14.01	33.545	6.13	25.082	288.9	0.028
20	13.98	33.543	6.24	25.086	288.5	0.057
30	13.66	33.535	6.21	25.144	283.0	0.086
50	10.60	33.597	5.07	25.773	223.1	0.137
75	9.29	33.886	3.66	26.220	180.6	0.188
100	8.96	33.939	3.09	26.314	171.7	0.232
125	8.81	33.969	2.69	26.361	167.2	0.275
150	8.62	34.011	2.29	26.424	161.3	0.317
200	8.14	34.074	1.91	26.546	149.7	0.396
250	7.92	34.130	1.51	26.622	142.4	0.471
300	7.62	34.166	1.21	26.695	135.6	0.543
400	6.55	34.192	0.83	26.864	119.5	0.676
500	5.76	34.227	0.52	26.993	107.3	0.795
600	5.43	34.286	0.39	27.080	99.1	0.905
700	5.06	34.337	0.36	27.164	91.1	1.008
800	4.63	34.392	0.32	27.257	82.3	1.103

67060 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
36 29.0N	122 47.5W	07/17/75	0832 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
2973M	330	20KT			
Z	T	S	SIGMA T	DT	DD
0	13.06	33.58	25.302	267.9	0.000
10	13.06	33.58	25.302	267.9	0.026
20	12.94	33.58	25.326	265.6	0.053
30	12.37	33.59	25.445	254.3	0.079
40	10.89	33.60	25.727	227.5	0.103
50	10.96	33.68	25.776	222.8	0.126
75	9.94	33.76	26.015	200.1	0.179
100	9.26	33.71	26.088	193.2	0.229
125	8.56	33.88	26.331	170.1	0.275
150	8.21	33.93	26.424	161.3	0.317
175	7.87	33.97	26.506	153.5	0.357
200	7.69	34.01	26.563	148.0	0.395
225	7.62	34.07	26.620	142.6	0.432
250	7.38	34.09	26.670	137.9	0.469
275	6.89	34.05	26.707	134.4	0.504
300	6.61	34.06	26.753	130.1	0.538
350	6.14	34.12	26.861	119.8	0.602
400	5.88	34.15	26.918	114.4	0.663
450	5.66	34.19	26.977	108.8	0.722
500	5.54	34.23	27.023	104.4	0.778
550	5.34	34.26	27.071	99.9	0.833
600	5.02	34.28	27.124	94.8	0.885
700	4.62	34.34	27.217	86.1	0.982
800	4.44	34.42	27.300	78.2	1.072
900	4.10	34.44	27.352	73.2	1.156
1000	3.79	34.47	27.408	67.9	1.235

CALCOFI CRUISE 7507 70053

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
36 06.5N	121 54.0W	07/16/75	1625 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
1073M	310	20KT	2	320 4 5	
Z	T	S	SIGMA T	DT	DD
0	12.45	33.64	25.468	252.1	0.000
10	12.45	33.64	25.468	252.1	0.025
20	12.40	33.64	25.478	251.2	0.050
30	11.46	33.68	25.686	231.4	0.074
40	10.69	33.74	25.871	213.9	0.096
50	10.52	33.76	25.916	209.6	0.118
75	9.39	33.89	26.208	181.8	0.167
100	8.84	33.96	26.350	168.3	0.211
125	8.60	34.01	26.427	161.0	0.253
150	8.44	34.04	26.475	156.4	0.293
175	8.27	34.05	26.509	153.2	0.333
200	7.89	34.07	26.581	146.4	0.371
225	7.66	34.09	26.630	141.7	0.408
250	7.59	34.10	26.648	140.0	0.444
275	7.39	34.12	26.693	135.8	0.480
300	7.23	34.13	26.723	132.9	0.514
350	6.93	34.19	26.812	124.5	0.581
400	6.71	34.24	26.881	117.9	0.645
450	6.24	34.21	26.920	114.3	0.706
500	5.85	34.22	26.977	108.8	0.765
550	5.47	34.24	27.039	102.9	0.821
600	5.29	34.28	27.092	97.8	0.875
700	4.86	34.33	27.182	89.4	0.976
800	4.50	34.41	27.286	79.5	1.068
900	4.20	34.44	27.342	74.2	1.153

70060						CALCFI CRUISE 7507						70070					
LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME			
35 53.0N		122 22.5W		07/15/75		1252 GMT		35 33.0N		123 06.0W		07/15/75		0716 GMT			
BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES			
3258M		320 11KT		2		340 3 7		3918M		300 14KT							
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	13.92	33.46	25.035	293.3	0.000	0	13.49	33.40	25.077	289.3	0.000	0	13.49	33.40	25.077	289.3	0.000
10	13.91	33.46	25.037	293.1	0.029	10	13.47	33.40	25.081	288.9	0.028	10	13.47	33.40	25.081	288.9	0.028
20	13.86	33.45	25.040	292.9	0.058	20	13.30	33.40	25.115	285.7	0.057	20	13.30	33.40	25.115	285.7	0.057
30	12.35	33.24	25.178	279.7	0.087	30	13.19	33.41	25.145	282.8	0.086	30	13.19	33.41	25.145	282.8	0.086
40	11.42	33.25	25.360	262.5	0.114	40	12.99	33.41	25.185	279.1	0.114	40	12.99	33.41	25.185	279.1	0.114
50	11.09	33.31	25.466	252.4	0.140	50	12.30	33.46	25.358	262.6	0.141	50	12.30	33.46	25.358	262.6	0.141
75	9.75	33.54	25.876	213.4	0.198	75	11.26	33.58	25.645	235.3	0.204	75	11.26	33.58	25.645	235.3	0.204
100	8.95	33.81	26.216	181.0	0.248	100	9.70	33.63	25.954	205.9	0.259	100	9.70	33.63	25.954	205.9	0.259
125	8.86	33.97	26.355	167.8	0.292	125	9.05	33.81	26.200	182.6	0.308	125	9.05	33.81	26.200	182.6	0.308
150	8.64	34.02	26.429	160.9	0.334	150	8.61	33.92	26.355	167.8	0.353	150	8.61	33.92	26.355	167.8	0.353
175	8.52	34.06	26.478	156.1	0.374	175	8.27	33.95	26.430	160.7	0.395	175	8.27	33.95	26.430	160.7	0.395
200	8.28	34.11	26.554	148.9	0.413	200	7.84	33.98	26.518	152.4	0.435	200	7.84	33.98	26.518	152.4	0.435
225	8.04	34.13	26.606	144.0	0.451	225	7.48	33.99	26.578	146.7	0.473	225	7.48	33.99	26.578	146.7	0.473
250	7.70	34.14	26.664	138.5	0.487	250	7.23	34.02	26.637	141.1	0.510	250	7.23	34.02	26.637	141.1	0.510
275	7.68	34.18	26.698	135.3	0.523	275	6.96	34.03	26.682	136.8	0.546	275	6.96	34.03	26.682	136.8	0.546
300	7.48	34.20	26.742	131.0	0.557	300	6.71	34.06	26.740	131.3	0.580	300	6.71	34.06	26.740	131.3	0.580
350	7.21	34.22	26.797	125.9	0.624	350	6.35	34.09	26.811	124.6	0.646	350	6.35	34.09	26.811	124.6	0.646
400	6.88	34.22	26.842	121.6	0.689	400	5.84	34.12	26.899	116.2	0.709	400	5.84	34.12	26.899	116.2	0.709
450	6.26	34.22	26.925	113.7	0.751	450	5.67	34.17	26.960	110.4	0.769	450	5.67	34.17	26.960	110.4	0.769
500	5.60	34.22	27.008	105.9	0.809	500	5.40	34.21	27.024	104.3	0.825	500	5.40	34.21	27.024	104.3	0.825
550	5.37	34.27	27.075	99.5	0.863	550	5.28	34.25	27.070	100.0	0.879	550	5.28	34.25	27.070	100.0	0.879
600	5.23	34.28	27.100	97.2	0.916	600	5.03	34.27	27.115	95.7	0.932	600	5.03	34.27	27.115	95.7	0.932
700	4.86	34.35	27.198	87.9	1.016	700	4.45	34.33	27.228	85.0	1.029	700	4.45	34.33	27.228	85.0	1.029
800	4.50	34.39	27.270	81.0	1.108	800	4.18	34.38	27.296	78.5	1.118	800	4.18	34.38	27.296	78.5	1.118
900	4.21	34.43	27.333	75.1	1.195	900	3.93	34.42	27.354	73.1	1.202	900	3.93	34.42	27.354	73.1	1.202
1000	3.85	34.46	27.394	69.3	1.275	1000	3.75	34.46	27.404	68.3	1.280	1000	3.75	34.46	27.404	68.3	1.280

RV DAVID STARR JORDAN										CALCFI CRUISE 7507						70080					
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES							
35 13.0N		123 47.5W		7/15/75		0250 GMT		4309M		320 15KT		2		350 5 4							
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD						
1	15.11	33.201	6.03					336.3	0	15.11	33.201	6.03	24.584	336.3	0.000						
11	15.09	33.198	6.03					336.1	10	15.09	33.200	6.03	24.585	336.1	0.033						
30	14.74	33.225	6.18					327.0	20	14.92	33.183	6.09	24.609	333.9	0.067						
58	11.83	33.217	6.26					272.1	30	14.74	33.225	6.18	24.682	327.0	0.100						
77	11.50	33.421	5.63					251.2	50	12.65	33.195	6.23	25.083	288.8	0.162						
91	10.65	33.425	5.29					236.4	75	11.52	33.403	5.70	25.458	253.1	0.230						
106	10.32	33.554	4.68					221.5	100	10.42	33.498	4.93	25.727	227.5	0.290						
129	9.43	33.694	3.85					197.0	125	9.59	33.673	3.97	26.005	201.1	0.344						
158	8.74	33.858	3.46					174.4	150	8.89	33.818	3.53	26.230	179.7	0.393						
186	8.33	33.960	3.06					160.8	200	8.08	33.980	2.93	26.481	155.9	0.478						
220	7.74	33.991	2.78					150.2	250	7.28	34.011	2.41	26.621	142.5	0.555						
291	6.77	34.035	1.90					134.0	300	6.69	34.043	1.80	26.729	132.4	0.625						
392	6.04	34.119	1.07					118.6	400	5.97	34.123	1.02	26.885	117.5	0.755						
497	5.21	34.170	0.65					105.2	500	5.19	34.173	0.63	27.019	104.9	0.872						
603	4.83	34.262	0.35					94.1	600	4.83	34.259	0.35	27.129	94.4	0.978						
737	4.46	34.361	0.32					82.8	700	4.55	34.337	0.32	27.221	85.6	1.075						
892	4.03	34.420	0.38					74.0	800	4.28	34.389	0.34	27.292	78.9	1.164						
1056	3.60	34.481	0.62					65.3	1000	3.74	34.460	0.51	27.405	68.2	1.328						

70080						CALCFI CRUISE 7507						70090					
LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME			
35 13.0N		123 47.5W		07/15/75		0105 GMT		34 53.0N		124 30.0W		07/14/75		2030 GMT			
BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES			
4309M		320 15KT		2		350 5 4		4116M		360 19KT		2		340 6 5			
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	15.12	33.20	24.581	336.6	0.000	0	15.40	33.40	24.673	327.8	0.000	0	15.40	33.40	24.673	327.8	0.000
10	15.06	33.19	24.586	336.1	0.033	10	15.38	33.40	24.677	327.4	0.032	10	15.38	33.40	24.677	327.4	0.032
20	14.89	33.19	24.623	332.6	0.067	20	15.35	33.40	24.684	326.8	0.065	20	15.35	33.40	24.684	326.8	0.065
30	14.74	33.21	24.670	328.1	0.100	30	15.33	33.40	24.688	326.4	0.098	30	15.33	33.40	24.688	326.4	0.098
40	14.47	33.32	24.812	314.5	0.132	40	15.29	33.40	24.697	325.5	0.130	40	15.29	33.40	24.697	325.5	0.130
50	13.61	33.25	24.937	302.7	0.163	50	14.66	33.37	24.810	314.7	0.163	50	14.66	33.37	24.810	314.7	0.163
75	11.69	33.35	25.388	259.8	0.234	75	12.55	33.32	25.202	277.5	0.237	75	12.55	33.32	25.202	277.5	0.237
100	11.26	33.42	25.520	247.2	0.298	100	12.03	33.38	25.347	263.6	0.305	100	12.03	33.38	25.347	263.6	0.305
125	10.16	33.55	25.815	219.2	0.356	125	11.47	33.44	25.498	249.3	0.370	125	11.47	33.44	25.498	249.3	0.370
150	9.14	33.76	26.147	187.6	0.408	150	10.59	33.51	25.709	229.2	0.431	150	10.59	33.51	25.709	229.2	0.431
175	8.46	33.93	26.386	164.9	0.453	175	9.97	33.62	25.901	210.9	0.486	175	9.97	33.62	25.901	210.9	0.486
200	8.04	33.96	26.473	156.7	0.494	200	9.16	33.82	26.190	183.5	0.537	200	9.16	33.82	26.190	183.5	0.537
225	7.64	33.99	26.555	148.9	0.533	225	8.83	33.92	26.321	171.1	0.582	225	8.83	33.92	26.321	171.1	0.582
250	7.26	34.00	26.617	143.0	0.570	250	8.48	33.98	26.422	161.5	0.625	250	8.48	33.98	26.422	161.5	0.625
275	6.95	34.03	26.683	136.7	0.606	275	8.08	34.00	26.498	154.2	0.665	275	8.08	34.00	26.498	154.2	0.665
300	6.75	34.05	26.726	132.6	0.641	300	7.73	34.03	26.573	147.1	0.704	300	7.73	34.03	26.573	147.1	0.704
350	6.38	34.08	26.799	125.7	0.708	350	7.12	34.07	26.691	135.9	0.778	350	7.12	34.07	26.691	135.9	0.778
400	6.08	34.12	26.869	119.0	0.772	400	6.57	34.10	26.790	126.6	0.846	40					

73053		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				73060				
LATITUDE	LONGITUDE	M/D/Y/YR	START TIME		LATITUDE	LONGITUDE	M/D/Y/YR	START TIME		LATITUDE	LONGITUDE	M/D/Y/YR	START TIME	
35 31.5N	121 28.5W	07/11/75	1741 GMT		35 18.0N	121 58.0W	07/13/75	2316 GMT		35 18.0N	121 58.0W	07/13/75	2316 GMT	
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
178M	320	26KT	2	300 10 6		2595M	310	BKT	2	310 6 R				
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD			
0	10.93	33.74	25.828	217.9	0.000	0	13.03	33.65	25.362	262.2	0.000			
10	10.89	33.74	25.835	217.2	0.021	10	12.89	33.63	25.374	261.0	0.026			
20	10.83	33.75	25.854	215.5	0.043	20	12.84	33.64	25.392	259.3	0.052			
30	10.73	33.77	25.887	212.3	0.064	30	12.81	33.64	25.398	258.8	0.078			
40	10.50	33.78	25.935	207.7	0.085	40	12.58	33.65	25.451	253.8	0.103			
50	10.05	33.82	26.043	197.4	0.106	50	11.50	33.68	25.678	232.1	0.128			
75	9.42	33.89	26.203	182.3	0.154	75	10.06	33.80	26.026	199.1	0.182			
100	8.09	33.97	26.318	171.3	0.198	100	9.25	33.91	26.246	178.2	0.230			
125	6.85	34.03	26.404	163.2	0.241	125	8.92	33.99	26.361	167.2	0.273			
150	6.69	34.07	26.460	157.9	0.281	150	8.61	34.07	26.472	156.7	0.315			
175	6.44	34.07	26.498	154.2	0.321	175	8.43	34.11	26.531	151.1	0.354			
200	6.09	34.10	26.575	146.9	0.360	200	8.29	34.14	26.576	146.8	0.392			
225	7.99	34.13	26.613	143.3	0.397	225	8.13	34.17	26.624	142.3	0.429			
250	7.80	34.16	26.665	138.4	0.433	250	8.06	34.20	26.658	139.1	0.465			
275	7.60	34.16	26.694	135.6	0.468	275	7.95	34.22	26.690	136.0	0.501			
300	7.44	34.20	26.748	130.5	0.503	300	7.89	34.23	26.707	134.5	0.536			
350	7.00	34.18	26.794	126.1	0.570	350	7.67	34.25	26.754	129.9	0.605			
400	6.65	34.21	26.866	119.4	0.634	400	7.31	34.25	26.806	125.0	0.672			
450	6.42	34.25	26.927	113.5	0.695	450	6.60	34.22	26.880	118.0	0.736			
500	6.08	34.28	26.995	107.1	0.754	500	6.18	34.25	26.959	110.5	0.796			
550	5.90	34.30	27.034	103.4	0.810	550	5.88	34.29	27.028	103.9	0.853			
600	5.61	34.32	27.086	98.5	0.864	600	5.31	34.30	27.106	96.6	0.907			
700	5.18	34.33	27.145	92.8	0.967	700	4.81	34.33	27.188	88.8	1.007			
						800	4.58	34.39	27.261	81.9	1.100			
						900	4.19	34.42	27.327	75.6	1.187			
						1000	3.86	34.45	27.385	70.1	1.269			

RV DAVID STARR JORDAN		CALCOFI CRUISE 7507				73060									
LATITUDE	LONGITUDE	M/D/Y/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
35 18.0N	121 58.0W	7/14/75	0024 GMT		2595M	310	BKT	2	310 6 R						
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	13.53	33.638	6.23					272.6	0	13.53	33.638	6.23	25.252	272.6	0.000
10	12.96	33.634	6.18					262.0	10	12.96	33.634	6.18	25.364	262.0	0.026
29	12.91	33.634	6.10					261.1	20	12.93	33.635	6.12	25.369	261.5	0.052
57	10.67	33.749	4.54					212.9	30	12.91	33.634	6.10	25.373	261.1	0.079
76	9.69	33.825	3.41					191.3	50	11.41	33.705	5.09	25.713	228.8	0.128
90	9.25	33.896	3.01					179.2	75	9.72	33.822	3.46	26.098	192.3	0.181
103	9.04	33.935	2.80					173.1	100	9.07	33.928	2.84	26.287	174.3	0.227
133	8.61	34.038	2.31					159.1	125	8.70	34.011	2.44	26.411	162.5	0.270
156	8.47	34.099	1.85					152.5	150	8.49	34.086	1.95	26.501	153.9	0.310
186	8.25	34.133	1.68					146.8	200	8.17	34.155	1.57	26.605	144.1	0.386
218	8.10	34.182	1.45					141.0	250	7.99	34.210	1.31	26.675	137.4	0.458
290	7.86	34.228	1.21					134.2	300	7.82	34.232	1.17	26.718	133.4	0.529
391	7.32	34.247	0.90					125.4	400	7.22	34.246	0.87	26.814	124.2	0.663
498	6.19	34.243	0.60					111.2	500	6.17	34.244	0.59	26.955	110.9	0.787
604	5.42	34.288	0.36					98.7	600	5.44	34.286	0.36	27.079	99.1	0.899
737	4.71	34.332	0.31					87.6	700	4.87	34.320	0.32	27.172	90.3	1.002
891	4.26	34.406	0.39					77.4	800	4.50	34.363	0.33	27.248	83.1	1.096
1056	3.76	34.453	0.54					68.9	1000	3.93	34.441	0.48	27.370	71.5	1.268

73070		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				73080				
LATITUDE	LONGITUDE	M/D/Y/YR	START TIME		LATITUDE	LONGITUDE	M/D/Y/YR	START TIME		LATITUDE	LONGITUDE	M/D/Y/YR	START TIME	
34 58.5N	122 40.0W	07/14/75	0520 GMT		34 38.0N	123 21.0W	07/14/75	1008 GMT		34 38.0N	123 21.0W	07/14/75	1008 GMT	
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
4110M	320	17KT				3926M	350	17KT						
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD			
0	13.66	33.56	25.166	280.9	0.000	0	15.18	33.26	24.614	333.5	0.000			
10	13.66	33.57	25.173	280.2	0.028	10	15.18	33.26	24.614	333.5	0.033			
20	13.66	33.57	25.173	280.2	0.056	20	15.18	33.26	24.614	333.5	0.066			
30	13.68	33.57	25.169	280.5	0.084	30	15.17	33.26	24.616	333.3	0.100			
40	13.68	33.56	25.162	281.3	0.112	40	15.06	33.25	24.632	331.7	0.133			
50	12.98	33.60	25.333	264.9	0.139	50	13.93	33.19	24.825	313.3	0.165			
75	10.10	33.67	25.918	209.3	0.199	75	12.34	33.18	25.134	284.0	0.240			
100	8.22	33.80	26.165	185.9	0.249	100	11.34	33.28	25.397	258.8	0.309			
125	6.69	33.93	26.350	168.3	0.294	125	10.00	33.45	25.764	224.0	0.370			
150	6.31	34.00	26.464	157.5	0.335	150	9.29	33.71	26.083	193.6	0.423			
175	7.96	34.03	26.539	150.3	0.374	175	8.84	33.84	26.257	177.2	0.470			
200	7.72	34.05	26.590	145.5	0.412	200	8.46	33.94	26.394	164.2	0.513			
225	7.44	34.06	26.639	140.9	0.449	225	8.20	34.00	26.480	155.9	0.554			
250	7.31	34.10	26.688	136.2	0.484	250	7.77	34.01	26.552	149.2	0.593			
275	6.96	34.09	26.729	132.3	0.519	275	7.36	34.04	26.634	141.3	0.631			
300	6.74	34.11	26.775	128.0	0.552	300	7.05	34.05	26.685	136.5	0.667			
350	6.27	34.14	26.860	119.8	0.617	350	6.63	34.10	26.782	127.3	0.735			
400	5.94	34.15	26.911	115.1	0.678	400	6.21	34.12	26.852	120.6	0.800			
450	5.41	34.18	26.999	106.7	0.736	450	5.62	34.15	26.950	111.3	0.860			
500	5.21	34.21	27.047	102.2	0.791	500	5.38	34.18	27.003	106.3	0.918			
550	4.91	34.24	27.105	96.7	0.844	550	5.21	34.25	27.078	99.2	0.972			
600	4.80	34.29	27.157	91.7	0.894	600	4.96	34.30	27.147	92.7	1.024			
700	4.52	34.36	27.244	83.5	0.989	700	4.61	34.35	27.226	85.2	1.119			
800	4.24	34.41	27.314	76.9	1.076	800	4.30	34.40	27.299	78.2	1.209			
900	3.91	34.44	27.372	71.4	1.158	900	3.98	34.44	27.365	72.0	1.292			
1000	3.71	34.46	27.408	67.9	1.236	1000	3.66	34.47	27.421	66.7	1.369			

73090 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
34 18.0N	124 03.0W	07/14/75	1509 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
3737M	330	19KT	2	330 8 7

Z	T	S	SIGMA T	DT	DU
0	15.42	33.36	24.638	331.2	0.000
10	15.42	33.36	24.638	331.2	0.033
20	15.42	33.36	24.638	331.2	0.066
30	15.42	33.35	24.630	331.9	0.099
40	15.42	33.36	24.638	331.2	0.132
50	14.83	33.31	24.728	322.6	0.165
75	13.59	33.23	24.926	303.7	0.244
100	11.54	33.16	25.268	271.2	0.316
125	10.81	33.42	25.601	239.5	0.381
150	9.62	33.64	25.975	203.9	0.437
175	9.01	33.82	26.214	181.2	0.486
200	8.65	33.95	26.372	166.2	0.530
225	8.30	33.99	26.457	158.1	0.572
250	8.00	34.01	26.518	152.4	0.611
275	7.74	34.02	26.564	148.0	0.650
300	7.29	34.03	26.636	141.2	0.687
350	6.79	34.09	26.752	130.1	0.758
400	6.25	34.12	26.847	121.1	0.823
450	6.01	34.17	26.918	114.4	0.885
500	5.55	34.18	26.982	108.3	0.944
550	5.36	34.23	27.045	102.4	1.000
600	5.18	34.28	27.106	96.6	1.053
700	4.79	34.35	27.206	87.1	1.152
800	4.49	34.41	27.287	79.4	1.243
900	4.18	34.44	27.344	74.0	1.328
1000	3.90	34.47	27.397	69.0	1.408

CALCOFI CRUISE 7507 77051

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
35 02.0N	120 56.0W	07/10/75	0235 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
279M	320	22KT	2	320 8 6

Z	T	S	SIGMA T	DT	DU
0	11.83	33.76	25.679	232.1	0.000
10	11.48	33.76	25.744	225.9	0.022
20	11.20	33.76	25.795	221.0	0.045
30	10.92	33.77	25.853	215.4	0.067
40	10.48	33.78	25.938	207.4	0.088
50	10.12	33.80	26.016	200.0	0.108
75	9.44	33.91	26.215	181.1	0.156
100	9.31	33.95	26.267	176.2	0.201
125	9.14	33.98	26.318	171.3	0.245
150	8.90	34.03	26.396	164.0	0.288
175	8.83	34.05	26.422	161.4	0.329
200	8.55	34.09	26.497	154.3	0.370
225	8.27	34.13	26.571	147.3	0.409
250	7.72	34.17	26.684	136.6	0.445

77055 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
34 54.5N	121 12.5W	07/10/75	0009 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
962M	340	22KT	2	310 8 7

Z	T	S	SIGMA T	DT	DU
0	12.64	33.78	25.539	245.3	0.000
10	12.63	33.78	25.541	245.1	0.024
20	12.63	33.78	25.541	245.1	0.049
30	12.57	33.78	25.553	244.0	0.073
40	12.47	33.78	25.573	242.2	0.098
50	11.95	33.78	25.672	232.7	0.121
75	9.70	33.90	26.164	185.9	0.174
100	9.06	33.98	26.331	170.1	0.219
125	8.80	34.04	26.419	161.7	0.261
150	8.65	34.07	26.466	157.3	0.302
175	8.58	34.11	26.508	153.3	0.341
200	8.40	34.14	26.559	148.4	0.380
225	7.98	34.13	26.615	143.2	0.417
250	7.79	34.15	26.659	139.0	0.453
275	7.56	34.16	26.700	135.1	0.489
300	7.35	34.17	26.738	131.5	0.523
350	6.97	34.20	26.814	124.2	0.590
400	6.63	34.23	26.884	117.6	0.653
450	6.29	34.23	26.929	113.4	0.714
500	6.12	34.28	26.990	107.5	0.772

CALCOFI CRUISE 7507 77060

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
34 44.5N	121 33.5W	07/09/75	2106 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
972M	320	24KT	2	320 8 6

Z	T	S	SIGMA T	DT	DU
0	12.97	33.74	25.444	254.4	0.000
10	12.97	33.74	25.444	254.4	0.025
20	12.84	33.75	25.477	251.3	0.050
30	12.46	33.72	25.528	246.4	0.075
40	11.43	33.74	25.738	226.5	0.099
50	10.50	33.81	25.958	205.5	0.121
75	9.29	33.82	26.169	185.5	0.170
100	8.80	33.95	26.349	168.4	0.215
125	8.49	34.00	26.436	160.1	0.256
150	8.42	34.05	26.486	155.4	0.296
175	8.14	34.07	26.544	149.9	0.335
200	7.85	34.10	26.610	143.6	0.373
225	7.53	34.14	26.688	136.2	0.408
250	7.42	34.18	26.736	131.7	0.443
275	7.33	34.20	26.764	129.0	0.477
300	7.05	34.20	26.803	125.3	0.510
350	6.89	34.21	26.833	122.4	0.574
400	6.42	34.22	26.904	115.7	0.636
450	6.10	34.25	26.969	109.6	0.696
500	5.88	34.28	27.021	104.7	0.752
550	5.63	34.30	27.067	100.2	0.807
600	5.29	34.32	27.124	94.8	0.859
700	4.68	34.41	27.266	81.4	0.955
800	4.25	34.44	27.336	74.7	1.040
850	3.94	34.46	27.385	70.2	1.080

77070						RV DAVID STARR JORDAN						CALCOFI CRUISE 7507						77080					
LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME	
34 24.0N		122 16.0W		07/09/75		1504 GMT		34 04.0N		122 57.0W		07/09/75		0853 GMT		34 04.0N		122 57.0W		07/09/75		0853 GMT	
BOTTOM		WIND	SPEED	WEATHER		DOMINANT WAVES		BOTTOM		WIND	SPEED	WEATHER		DOMINANT WAVES		BOTTOM		WIND	SPEED	WEATHER		DOMINANT WAVES	
4110M		360	25KT	2		360 6 5		4499M		340	25KT	2		360 6 5		4499M		340	25KT	2		360 6 5	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	14.33	33.62	25.073	289.7	0.000	0	15.03	33.64	24.938	302.5	0.000	0	15.03	33.64	24.938	302.5	0.000	0	15.03	33.64	24.938	302.5	0.030
10	14.33	33.62	25.073	289.7	0.028	10	15.03	33.64	24.938	302.5	0.030	10	15.03	33.64	24.938	302.5	0.030	10	15.03	33.64	24.938	302.5	0.059
20	14.34	33.62	25.070	289.9	0.058	20	13.99	33.64	25.159	281.5	0.059	20	13.99	33.64	25.159	281.5	0.059	20	13.99	33.64	25.159	281.5	0.086
30	14.25	33.62	25.090	288.1	0.087	30	13.01	33.64	25.358	262.5	0.086	30	13.01	33.64	25.358	262.5	0.086	30	13.01	33.64	25.358	262.5	0.113
40	13.42	33.66	25.292	268.9	0.114	40	12.93	33.64	25.374	261.0	0.113	40	12.93	33.64	25.374	261.0	0.113	40	12.93	33.64	25.374	261.0	0.138
50	13.04	33.68	25.383	260.2	0.141	50	12.47	33.64	25.464	252.5	0.138	50	12.47	33.64	25.464	252.5	0.138	50	12.47	33.64	25.464	252.5	0.197
75	10.44	33.75	25.922	209.0	0.200	75	10.61	33.70	25.853	215.5	0.197	75	10.61	33.70	25.853	215.5	0.197	75	10.61	33.70	25.853	215.5	0.248
100	9.02	33.80	26.197	182.9	0.249	100	9.41	33.81	26.142	188.1	0.248	100	9.41	33.81	26.142	188.1	0.248	100	9.41	33.81	26.142	188.1	0.293
125	8.46	33.95	26.402	163.4	0.293	125	8.80	33.93	26.333	169.9	0.293	125	8.80	33.93	26.333	169.9	0.293	125	8.80	33.93	26.333	169.9	0.335
150	8.22	34.00	26.477	156.2	0.334	150	8.44	33.97	26.420	161.6	0.335	150	8.44	33.97	26.420	161.6	0.335	150	8.44	33.97	26.420	161.6	0.376
175	8.02	34.03	26.530	151.2	0.373	175	8.07	34.02	26.515	152.6	0.376	175	8.07	34.02	26.515	152.6	0.376	175	8.07	34.02	26.515	152.6	0.414
200	7.64	34.04	26.594	145.1	0.411	200	7.75	34.03	26.570	147.4	0.414	200	7.75	34.03	26.570	147.4	0.414	200	7.75	34.03	26.570	147.4	0.451
225	7.31	34.04	26.641	140.7	0.447	225	7.50	34.05	26.622	142.5	0.451	225	7.50	34.05	26.622	142.5	0.451	225	7.50	34.05	26.622	142.5	0.487
250	7.06	34.07	26.700	135.1	0.483	250	7.25	34.07	26.673	137.6	0.487	250	7.25	34.07	26.673	137.6	0.487	250	7.25	34.07	26.673	137.6	0.522
275	6.79	34.08	26.744	130.9	0.517	275	6.89	34.08	26.731	132.1	0.522	275	6.89	34.08	26.731	132.1	0.522	275	6.89	34.08	26.731	132.1	0.555
300	6.66	34.11	26.786	127.0	0.550	300	6.74	34.09	26.759	129.5	0.555	300	6.74	34.09	26.759	129.5	0.555	300	6.74	34.09	26.759	129.5	0.620
350	6.09	34.14	26.884	117.6	0.614	350	6.21	34.13	26.860	119.9	0.620	350	6.21	34.13	26.860	119.9	0.620	350	6.21	34.13	26.860	119.9	0.681
400	5.79	34.19	26.961	110.3	0.673	400	5.90	34.17	26.931	113.1	0.681	400	5.90	34.17	26.931	113.1	0.681	400	5.90	34.17	26.931	113.1	0.739
450	5.38	34.20	27.019	104.9	0.730	450	5.56	34.19	26.989	107.7	0.739	450	5.56	34.19	26.989	107.7	0.739	450	5.56	34.19	26.989	107.7	0.794
500	5.17	34.23	27.067	100.2	0.784	500	5.17	34.21	27.051	101.8	0.794	500	5.17	34.21	27.051	101.8	0.794	500	5.17	34.21	27.051	101.8	0.846
550	4.99	34.26	27.112	96.0	0.836	550	5.05	34.27	27.113	95.9	0.846	550	5.05	34.27	27.113	95.9	0.846	550	5.05	34.27	27.113	95.9	0.896
600	4.68	34.29	27.171	90.4	0.886	600	4.90	34.31	27.162	91.3	0.896	600	4.90	34.31	27.162	91.3	0.896	600	4.90	34.31	27.162	91.3	0.990
700	4.42	34.37	27.262	81.7	0.978	700	4.36	34.34	27.245	83.4	0.990	700	4.36	34.34	27.245	83.4	0.990	700	4.36	34.34	27.245	83.4	1.078
800	4.18	34.42	27.328	75.5	1.064	800	4.32	34.43	27.321	76.2	1.078	800	4.32	34.43	27.321	76.2	1.078	800	4.32	34.43	27.321	76.2	1.159
900	3.93	34.46	27.386	70.1	1.145	900	3.96	34.45	27.375	71.1	1.159	900	3.96	34.45	27.375	71.1	1.159	900	3.96	34.45	27.375	71.1	1.237
1000	3.64	34.48	27.431	65.8	1.221	1000	3.72	34.47	27.415	67.3	1.237	1000	3.72	34.47	27.415	67.3	1.237	1000	3.72	34.47	27.415	67.3	1.237

RV DAVID STARR JORDAN						CALCOFI CRUISE 7507						77080																	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER		DOMINANT WAVES		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME							
34 04.0N		122 57.0W		7/ 9/75		1010		4499M		340	25KT	2		360 6 5		34 04.0N		122 57.0W		07/09/75		0853 GMT							
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD		
4	15.04	33.627	6.17					303.7	0	15.04	33.627	6.17	24.926	303.7	0.000	0	15.04	33.627	6.17	24.926	303.7	0.000	0	15.04	33.627	6.17	24.926	303.7	0.030
13	14.99	33.629	6.15					302.5	10	15.00	33.629	6.15	24.934	302.9	0.030	10	15.00	33.629	6.15	24.934	302.9	0.030	10	15.00	33.629	6.15	24.934	302.9	0.059
31	12.97	33.636	6.07					262.1	20	14.30	33.627	6.11	25.082	268.8	0.059	20	14.30	33.627	6.11	25.082	268.8	0.059	20	14.30	33.627	6.11	25.082	268.8	0.087
59	11.46	33.680	5.11					231.4	30	13.10	33.635	6.07	25.335	264.8	0.087	30	13.10	33.635	6.07	25.335	264.8	0.087	30	13.10	33.635	6.07	25.335	264.8	0.138
77	9.97	33.768	4.03					200.0	50	11.89	33.663	5.52	25.592	240.4	0.138	50	11.89	33.663	5.52	25.592	240.4	0.138	50	11.89	33.663	5.52	25.592	240.4	0.194
91	9.42	33.806	3.59					188.5	75	10.12	33.758	4.14	25.982	203.3	0.194	75	10.12	33.758	4.14	25.982	203.3	0.194	75	10.12	33.758	4.14	25.982	203.3	0.242
103	9.08	33.873	3.11					178.3	100	9.15	33.856	3.22	26.219	180.8	0.242	100	9.15	33.856	3.22	26.219	180.8	0.242	100	9.15	33.856	3.22	26.219	180.8	0.286
132	8.52	33.966	2.63					163.1	125	8.63	33.952	2.67	26.377	165.8	0.286	125	8.63	33.952	2.67	26.377	165.8	0.286	125	8.63	33.952	2.67	26.377	165.8	0.327
154	8.21	33.988	2.61					157.0	150	8.26	33.987	2.61	26.460	157.9	0.327	150	8.26	33.987	2.61	26.460	157.9	0.327	150	8.26	33.987	2.61	26.460	157.9	0.405
182	7.82	34.010	2.50					149.9	200	7.63	34.030	2.31	26.587	145.8	0.405	200	7.63	34.030	2.31	26.587	145.8	0.405	200	7.63	34.030	2.31	26.587	145.8	0.477
214	7.50	34.043	2.16					143.0	250	7.13	34.060	1.89	26.681	136.9	0.477	250	7.13	34.060	1.89	26.681	136.9	0.477	250	7.13	34.060	1.89	26.681	136.9	0.546
281	6.83	34.069	1.70					132.2	300	6.65	34.082	1.54	26.764	129.0	0.546	300	6.65	34.082	1.54	26.764	129.0	0.546	300	6.65	34.082	1.54	26.764	129.0	0.672
376	6.00	34.137	0.98					116.8	400	5.79	34.150	0.86	26.927	113.5	0.672	400	5.79	34.150	0.86	26.927	113.5	0.672	400	5.79	34.150	0.86	26.927	113.5	0.785
476	5.28	34.193	0.61					104.2	500	5.20	34.216	0.54	27.052	101.7	0.785	500	5.20	34.216	0.54	27.052	101.7	0.785	500	5.20	34.216	0.54	27.052	101.7	0.888
576	5.00	34.284	0.38					94.3	600	4.88	34.295	0.36	27.152	92.2	0.888	600	4.88	34.295	0.36	27.152	92.2	0.888	600	4.88	34.295	0.36	27.152	92.2	0.983
703	4.39	34.335	0.31					84.0	700	4.40	34.334	0.31	27.236	84.3	0.983	700	4.40	34.334	0.31	27.236	84.3	0.983	700	4.40	34.334	0.31	27.236	84.3	1.071
852	4.14	34.436	0.47					73.9	800	4.20	34.402	0.40	27.311	77.1	1.071	800	4.20	34.402	0.40	27.311	77.1	1.071	800	4.20	34.402	0.40	27.311	77.1	1.232

80052		RV DAVID STARR JORDAN			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 25.0N	120 36.0W	07/07/75	1858 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
297M	320	21KT	4	320 5 5	
Z	T	S	SIGMA T	DT	DD
0	10.93	33.77	25.851	215.7	0.000
10	10.92	33.77	25.853	215.5	0.021
20	10.81	33.77	25.873	213.7	0.043
30	9.60	33.83	26.126	189.5	0.063
40	5.51	33.85	26.157	186.7	0.082
50	9.48	33.86	26.170	185.4	0.100
75	5.26	33.91	26.244	178.3	0.146
100	9.13	33.95	26.296	173.4	0.191
125	4.02	33.98	26.337	169.5	0.234
150	8.92	34.01	26.377	165.8	0.277
175	8.72	34.06	26.447	159.1	0.318
200	8.62	34.07	26.471	156.9	0.358
225	8.36	34.11	26.542	150.1	0.398
250	8.10	34.14	26.605	144.1	0.435
275	7.74	34.18	26.689	136.1	0.472

CALCOFI CRUISE 7507		80052			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 24.5N	120 36.0W	07/07/75	2030 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
269M					
Z	T	S	SIGMA T	DT	DD
08	10.92	33.76	25.845	216.2	0.000
10	10.86	33.76	25.856	215.2	0.021
20	10.85	33.76	25.858	215.1	0.043
30	10.79	33.77	25.876	213.3	0.064
40	10.13	33.75	25.975	203.9	0.085
50	9.60	33.83	26.126	189.5	0.105
75	9.45	33.86	26.174	185.0	0.152
100	9.22	33.92	26.258	177.0	0.198
125	9.07	33.97	26.322	171.0	0.242
150	8.92	34.01	26.377	165.8	0.284
175	8.70	34.05	26.443	159.5	0.326
200	8.59	34.07	26.475	156.4	0.366
225	8.56	34.08	26.488	155.2	0.406
250	8.29	34.12	26.560	148.3	0.445

80052		RV DAVID STARR JORDAN			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 24.0N	120 37.5W	07/07/75	2335 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
365M					
Z	T	S	SIGMA T	DT	DD
08	11.83	33.75	25.671	232.8	0.000
10	11.81	33.76	25.683	231.7	0.023
20	11.67	33.75	25.701	230.0	0.046
30	11.41	33.76	25.757	224.7	0.069
40	11.23	33.75	25.782	222.3	0.091
50	10.66	33.77	25.899	211.1	0.113
75	9.53	33.86	26.161	186.2	0.163
100	9.17	33.95	26.290	174.0	0.208
125	9.04	33.98	26.334	169.8	0.252
150	8.92	34.02	26.385	165.0	0.294
175	8.70	34.08	26.466	157.3	0.335
200	8.54	34.11	26.514	152.7	0.375
225	8.33	34.14	26.570	147.4	0.414
250	8.06	34.16	26.626	142.0	0.451
275	7.71	34.19	26.701	134.9	0.487
300	7.62	34.20	26.722	132.9	0.521
338	7.10	34.23	26.820	123.7	0.572

CALCOFI CRUISE 7507		80053			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 22.5N	120 40.0W	07/07/75	2129 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
501M	320	21KT	2	320 5 5	
Z	T	S	SIGMA T	DT	DD
0	13.19	33.74	25.400	258.6	0.000
10	13.19	33.74	25.400	258.6	0.025
20	13.02	33.75	25.441	254.7	0.051
30	12.55	33.75	25.534	245.9	0.076
40	10.36	33.76	25.944	206.9	0.099
50	9.55	33.87	26.166	185.8	0.119
75	9.11	33.97	26.315	171.6	0.164
100	8.98	34.01	26.367	166.7	0.206
125	8.92	34.03	26.392	164.3	0.248
150	8.78	34.06	26.438	160.0	0.289
175	8.47	34.09	26.510	153.2	0.329
200	8.33	34.11	26.547	149.7	0.368
225	8.18	34.13	26.585	146.0	0.406
250	8.06	34.16	26.626	142.0	0.443
275	7.84	34.19	26.682	136.7	0.479
300	7.73	34.20	26.707	134.5	0.514
350	7.28	34.22	26.787	126.8	0.582
400	6.89	34.23	26.849	120.9	0.647
450	6.74	34.24	26.877	118.3	0.710

80053		RV DAVID STARR JORDAN			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 23.5N	120 39.0W	07/08/75	0228 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
448M					
Z	T	S	SIGMA T	DT	DD
00	17.19	33.77	25.619	237.8	0.000
10	12.17	33.77	25.622	237.4	0.023
20	12.08	33.76	25.632	236.5	0.047
30	10.98	33.74	25.819	218.7	0.070
40	10.37	33.79	25.965	204.8	0.091
50	9.77	33.83	26.098	192.2	0.111
75	5.15	33.95	26.293	173.7	0.157
100	8.98	34.01	26.367	166.7	0.200
125	8.92	34.03	26.392	164.3	0.242
150	8.84	34.05	26.421	161.6	0.283
175	8.69	34.07	26.460	157.9	0.324
200	8.49	34.09	26.507	153.5	0.364
225	8.38	34.11	26.539	150.4	0.403
250	8.29	34.15	26.584	146.1	0.441
275	8.22	34.17	26.610	143.6	0.478
300	7.86	34.19	26.679	137.0	0.515
350	7.56	34.21	26.739	131.4	0.585
383	7.20	34.22	26.798	125.8	0.629

CALCOFI CRUISE 7507		80054			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 21.0N	120 44.0W	07/08/75	0033 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
648M	320	22KT	2	320 5 6	
Z	T	S	SIGMA T	DT	DD
0	13.39	33.75	25.367	261.7	0.000
10	13.39	33.75	25.367	261.7	0.026
20	13.35	33.75	25.375	260.9	0.052
30	11.46	33.74	25.732	227.0	0.076
40	10.18	33.83	26.029	198.8	0.098
50	9.51	33.88	26.180	184.4	0.117
75	9.03	33.99	26.344	168.9	0.161
100	8.90	34.03	26.396	164.0	0.203
125	8.76	34.07	26.449	158.9	0.244
150	8.63	34.10	26.493	154.8	0.284
175	8.31	34.12	26.558	148.6	0.323
200	8.24	34.14	26.584	146.1	0.361
225	8.18	34.16	26.608	143.8	0.398
250	8.00	34.18	26.651	139.7	0.434
275	7.87	34.19	26.678	137.1	0.470
300	7.60	34.20	26.725	132.7	0.505
350	7.02	34.19	26.800	125.6	0.572
400	6.92	34.24	26.852	120.6	0.637
450	6.65	34.25	26.897	116.4	0.699
500	6.31	34.27	26.958	110.6	0.759
550	5.86	34.31	27.047	102.2	0.816
600	5.53	34.34	27.111	96.1	0.869

R0055						RV DAVID STARR JORDAN						CALCOFI CRUISE 7507						R0060					
LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME	
34 19.0N		120 48.0W		07/08/75		0332 GMT		34 09.0N		121 09.0W		07/08/75		0634 GMT		34 09.0N		121 09.0W		07/08/75		0634 GMT	
BOTTOM		WIND	SPEED	WEATHER		DOMINANT WAVES		BOTTOM		WIND	SPEED	WEATHER		DOMINANT WAVES		BOTTOM		WIND	SPEED	WEATHER		DOMINANT WAVES	
756M		330	22KT	2		320 6 6		7410M		330	23KT	0		320 6 6		7410M		330	23KT	0		320 6 6	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	13.27	33.77	25.407	257.9	0.000	0	13.97	33.68	25.194	278.2	0.000	0	13.97	33.68	25.194	278.2	0.000	0	13.97	33.68	25.194	278.2	0.000
10	13.27	33.77	25.407	257.9	0.025	10	13.96	33.68	25.196	278.0	0.027	10	13.96	33.68	25.196	278.0	0.027	10	13.96	33.68	25.196	278.0	0.027
20	13.27	33.77	25.407	257.9	0.051	20	13.94	33.68	25.200	277.6	0.055	20	13.94	33.68	25.200	277.6	0.055	20	13.94	33.68	25.200	277.6	0.055
30	13.16	33.75	25.413	257.3	0.077	30	13.89	33.68	25.211	276.6	0.083	30	13.89	33.68	25.211	276.6	0.083	30	13.89	33.68	25.211	276.6	0.083
40	11.96	33.65	25.569	242.5	0.102	40	12.75	33.58	25.363	262.1	0.110	40	12.75	33.58	25.363	262.1	0.110	40	12.75	33.58	25.363	262.1	0.110
50	11.33	33.68	25.709	229.2	0.126	50	11.91	33.55	25.501	249.0	0.136	50	11.91	33.55	25.501	249.0	0.136	50	11.91	33.55	25.501	249.0	0.136
75	5.95	33.81	26.052	196.5	0.179	75	10.21	33.62	25.861	214.8	0.194	75	10.21	33.62	25.861	214.8	0.194	75	10.21	33.62	25.861	214.8	0.194
100	9.38	33.92	26.232	179.4	0.227	100	9.27	33.77	26.134	188.9	0.245	100	9.27	33.77	26.134	188.9	0.245	100	9.27	33.77	26.134	188.9	0.245
125	8.94	34.00	26.366	166.8	0.271	125	9.14	33.95	26.295	173.5	0.291	125	9.14	33.95	26.295	173.5	0.291	125	9.14	33.95	26.295	173.5	0.291
150	8.67	34.06	26.455	158.3	0.312	150	8.83	34.03	26.407	162.9	0.333	150	8.83	34.03	26.407	162.9	0.333	150	8.83	34.03	26.407	162.9	0.333
175	8.44	34.11	26.530	151.2	0.351	175	8.45	34.05	26.481	155.8	0.374	175	8.45	34.05	26.481	155.8	0.374	175	8.45	34.05	26.481	155.8	0.374
200	8.26	34.14	26.581	146.4	0.389	200	8.07	34.06	26.547	149.6	0.413	200	8.07	34.06	26.547	149.6	0.413	200	8.07	34.06	26.547	149.6	0.413
225	8.21	34.15	26.596	144.9	0.427	225	7.79	34.10	26.619	142.7	0.451	225	7.79	34.10	26.619	142.7	0.451	225	7.79	34.10	26.619	142.7	0.451
250	8.10	34.16	26.620	142.6	0.464	250	7.56	34.13	26.676	137.3	0.487	250	7.56	34.13	26.676	137.3	0.487	250	7.56	34.13	26.676	137.3	0.487
275	7.95	34.18	26.658	139.0	0.500	275	7.28	34.16	26.740	131.3	0.521	275	7.28	34.16	26.740	131.3	0.521	275	7.28	34.16	26.740	131.3	0.521
300	7.70	34.20	26.711	134.0	0.536	300	7.03	34.18	26.790	126.5	0.555	300	7.03	34.18	26.790	126.5	0.555	300	7.03	34.18	26.790	126.5	0.555
350	7.38	34.23	26.780	127.4	0.604	350	6.60	34.21	26.872	118.7	0.618	350	6.60	34.21	26.872	118.7	0.618	350	6.60	34.21	26.872	118.7	0.618
400	6.88	34.24	26.885	117.5	0.668	400	6.14	34.24	26.956	110.8	0.678	400	6.14	34.24	26.956	110.8	0.678	400	6.14	34.24	26.956	110.8	0.678
450	6.48	34.27	26.935	112.7	0.728	450	5.98	34.29	27.016	105.1	0.735	450	5.98	34.29	27.016	105.1	0.735	450	5.98	34.29	27.016	105.1	0.735
500	6.11	34.29	26.999	106.7	0.787	500	5.79	34.30	27.048	102.1	0.790	500	5.79	34.30	27.048	102.1	0.790	500	5.79	34.30	27.048	102.1	0.790
550	5.79	34.30	27.048	102.1	0.842	550	5.56	34.31	27.084	98.7	0.844	550	5.56	34.31	27.084	98.7	0.844	550	5.56	34.31	27.084	98.7	0.844
600	5.57	34.32	27.091	98.0	0.896	600	5.42	34.33	27.117	95.6	0.896	600	5.42	34.33	27.117	95.6	0.896	600	5.42	34.33	27.117	95.6	0.896
700	5.12	34.37	27.184	89.2	0.997	700	5.05	34.38	27.200	87.7	0.995	700	5.05	34.38	27.200	87.7	0.995	700	5.05	34.38	27.200	87.7	0.995
						800	4.63	34.42	27.279	80.2	1.087	800	4.63	34.42	27.279	80.2	1.087	800	4.63	34.42	27.279	80.2	1.087
						900	4.34	34.44	27.327	75.6	1.174	900	4.34	34.44	27.327	75.6	1.174	900	4.34	34.44	27.327	75.6	1.174
						1000	3.94	34.46	27.385	70.2	1.256	1000	3.94	34.46	27.385	70.2	1.256	1000	3.94	34.46	27.385	70.2	1.256

RV DAVID STARR JORDAN										CALCOFI CRUISE 7507										R0060											
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER		DOMINANT WAVES		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME	
34 09.0N		121 09.0W		7/ 8/75		0754 GMT		2410M		330	23KT	0		320 6 6		34 09.0N		121 09.0W		7/ 8/75		0754 GMT		34 09.0N		121 09.0W		7/ 8/75		0754 GMT	
Z	T	S	O2	PD4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	Z	T	S	O2	SIGT	DT	DD	Z	T	S	O2	SIGT	DT	DD		
2	14.05	33.660	6.24					281.2	0	14.05	33.660	6.24	25.162	281.2	0.000	2	14.05	33.660	6.24	25.162	281.2	0.000	2	14.05	33.660	6.24	25.162	281.2	0.000		
11	14.05	33.660	6.17					281.2	10	14.05	33.661	6.17	25.162	281.2	0.028	11	14.05	33.660	6.17	25.162	281.2	0.028	11	14.05	33.660	6.17	25.162	281.2	0.028		
30	13.49	33.636	6.25					272.0	20	13.88	33.654	6.22	25.191	278.5	0.056	30	13.49	33.636	6.25	25.191	278.5	0.056	30	13.49	33.636	6.25	25.191	278.5	0.056		
58	11.09	33.577	5.27					232.6	30	13.49	33.636	6.25	25.259	272.0	0.083	58	11.09	33.577	5.27	25.259	272.0	0.083	58	11.09	33.577	5.27	25.259	272.0	0.083		
77	10.40	33.656	4.65					215.3	50	11.78	33.580	5.61	25.547	244.6	0.135	77	10.40	33.656	4.65	25.547	244.6	0.135	77	10.40	33.656	4.65	25.547	244.6	0.135		
91	9.66	33.698	4.06					200.3	75	10.46	33.648	4.71	25.838	217.0	0.193	91	9.66	33.698	4.06	25.838	217.0	0.193	91	9.66	33.698	4.06	25.838	217.0	0.193		
105	9.24	33.777	3.61					187.9	100	9.36	33.747	3.76	26.100	192.1	0.245	105	9.24	33.777	3.61	26.100	192.1	0.245	105	9.24	33.777	3.61	26.100	192.1	0.245		
133	8.91	33.982	2.59					167.7	125	8.96	33.930	2.84	26.307	172.4	0.291	133	8.91	33.982	2.59	26.307	172.4	0.291	133	8.91	33.982	2.59	26.307	172.4	0.291		
156	8.75	34.024	2.34					162.2	150	8.80	34.021	2.36	26.404	163.2	0.334	156	8.75	34.024	2.34	26.404	163.2	0.334	156	8.75	34.024	2.34	26.404	163.2	0.334		
184	8.16	34.024	2.44					153.6	200	7.98	34.050	2.24	26.552	149.2	0.413	184	8.16	34.024	2.44	26.552	149.2	0.413	184	8.16	34.024	2.44	26.552	149.2	0.413		
217	7.85	34.083	1.97					144.8	250	7.57	34.122	1.66	26.668	138.1	0.487	217	7.85	34.083	1.97	26.668	138.1	0.487	217	7.85	34.083	1.97	26.668	138.1	0.487		
286	7.27	34.153	1.40					131.7	300	7.11	34.166	1.26	26.767	128.7	0.556	286	7.27	34.153	1.40	26.767	128.7	0.556	286	7.27	34.153	1.40	26.767	128.7	0.556		
383	6.26	34.234	0.59					112.7	400	6.14	34.243	0.52	26.957	110.7	0.681	383	6.26	34.234	0.59	26.957	110.7	0.681	383	6.26	34.234	0.59	26.957	110.7	0.681		
487	5.75	34.281	0.38					103.0	500	5.70	34.288	0.35	27.048	102.1	0.793	487	5.75	34.281	0.38	27.048	102.1	0.793	487	5.75	34.281	0.38	27.048	102.1	0.793		
590	5.45	34.332	0.26					95.8	600	5.40	34.336	0.26	27.123	95.0	0.898	590	5.45	34.332	0.26	27.123	95.0	0.898	590	5.45	34.332	0.26	27.123	95.0	0.898		
722	4.90	34.384	0.27					85.7	700	4.99	34.376	0.26	27.203	87.3	0.997	722	4.90	34.384	0.27	27.203	87.3	0.997	722	4.90	34.384	0.27	27.203	87.3	0.997		
874	4.45	34.434	0.36					77.2	800	4.65	34.411	0.30	27.269	81.1	1.090	874	4.45	34.434	0.36	27.269	81.1	1.090	874	4.45	34.434	0.36	27.2				

80090 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
33 09.0N	123 13.0W	07/08/75	2245 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
430M	330	20KT	0	320 4 5	
Z	T	S	SIGMA T	DT	DD
0	15.67	33.30	24.536	340.8	0.000
10	15.67	33.31	24.544	340.1	0.034
20	15.73	33.39	24.592	335.5	0.067
30	15.37	33.28	24.587	336.0	0.101
40	14.57	33.24	24.730	322.4	0.134
50	13.76	33.28	24.930	303.4	0.165
75	11.73	33.10	25.187	278.9	0.239
100	10.94	33.32	25.500	249.1	0.305
125	10.80	33.64	25.774	223.1	0.365
150	8.40	33.69	26.050	196.8	0.418
175	8.94	33.85	26.249	177.9	0.466
200	8.43	33.93	26.390	164.5	0.509
225	8.00	33.98	26.494	154.6	0.550
250	7.67	33.99	26.551	149.3	0.589
275	7.34	34.00	26.606	144.0	0.627
300	7.04	34.01	26.655	139.3	0.663
350	6.36	34.03	26.762	129.2	0.733
400	5.78	34.06	26.860	120.0	0.798
450	5.98	34.19	26.937	112.6	0.859
500	5.68	34.23	27.006	106.1	0.916
550	5.40	34.26	27.064	100.6	0.971
600	5.15	34.30	27.125	94.8	1.023
700	4.67	34.34	27.211	86.6	1.121
800	4.30	34.39	27.291	79.0	1.212
900	3.91	34.42	27.356	72.9	1.295
1000	3.64	34.46	27.415	67.3	1.374

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 24.0N	119 48.0W	07/07/75	0552 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
41M	090	9KT			
Z	T	S	SIGMA T	DT	DD
0	16.78	33.74	24.620	332.8	0.000
5	16.35	33.72	24.704	324.8	0.016
10	15.29	33.69	24.920	304.3	0.032
15	12.82	33.71	25.450	253.8	0.046
20	11.79	33.68	25.625	237.2	0.058

81044 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 23.0N	119 50.0W	07/07/75	0656 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
62M	090	10KT			
Z	T	S	SIGMA T	DT	DD
0	15.47	33.68	24.872	308.8	0.000
10	13.24	33.71	25.367	261.8	0.028
20	11.45	33.62	25.641	235.7	0.053
30	10.73	33.72	25.848	216.0	0.076
40	10.35	33.74	25.930	208.2	0.097
50	10.13	33.74	25.967	204.6	0.118

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 22.0N	119 52.0W	07/07/75	0813 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
84M	080	7KT			
Z	T	S	SIGMA T	DT	DD
0	15.50	33.74	24.911	305.1	0.000
10	14.90	33.74	25.043	292.5	0.029
20	11.91	33.77	25.672	232.8	0.056
30	11.61	33.83	25.774	223.0	0.079
40	11.00	33.79	25.854	215.4	0.101
50	10.07	33.76	25.993	202.2	0.127
75	9.70	33.82	26.102	191.8	0.171

81045 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 21.0N	119 54.0W	07/07/75	0917 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
359M	070	8KT			
Z	T	S	SIGMA T	DT	DD
0	15.30	33.80	25.002	296.5	0.000
10	13.37	33.81	25.417	256.9	0.027
20	11.83	33.82	25.725	227.6	0.051
30	11.48	33.84	25.806	220.0	0.074
40	11.05	33.83	25.876	213.3	0.096
50	10.69	33.86	25.964	205.0	0.117
75	9.85	33.88	26.124	189.8	0.166
100	9.27	33.93	26.258	177.0	0.213
125	8.93	34.00	26.367	166.7	0.256
150	8.63	34.07	26.469	157.0	0.297
175	8.52	34.09	26.502	153.9	0.337
200	8.42	34.12	26.541	150.2	0.376
225	8.33	34.14	26.570	147.4	0.414
250	8.26	34.15	26.589	145.7	0.452
275	8.15	34.17	26.621	142.6	0.489
300	8.04	34.18	26.645	140.3	0.525

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 19.0N	119 58.0W	07/07/75	1056 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
556M	190	5KT			
Z	T	S	SIGMA T	DT	DD
0	13.67	33.85	25.387	259.8	0.000
10	12.80	33.83	25.547	244.6	0.025
20	10.28	33.82	26.004	201.2	0.047
30	9.64	33.89	26.166	185.7	0.066
40	9.58	33.88	26.169	185.5	0.085
50	9.30	33.93	26.253	177.5	0.103
75	9.09	33.98	26.326	170.6	0.147
100	8.90	34.02	26.388	164.7	0.190
125	8.80	34.05	26.427	161.0	0.231
150	8.72	34.07	26.455	158.3	0.271
175	8.52	34.10	26.510	153.1	0.311
200	8.40	34.14	26.559	148.4	0.350
225	8.31	34.16	26.589	145.6	0.387
250	8.25	34.17	26.606	144.0	0.425
275	8.02	34.17	26.640	140.7	0.461
300	7.75	34.18	26.688	136.2	0.497

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R1047

RV DAV ID STARR JORDAN

CALCOFI CRUISE 7507

83039

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME				
34 17.5N	120 02.5W	07/07/75	1238 GMT	34 14.5N	119 19.5W	07/07/75	0230 GMT				
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
593M	290	11KT	1	250 3 4	19M	270	11KT	1	280 4 4		
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	17.50	33.84	25.613	238.3	0.000	0	15.61	33.70	24.856	310.3	0.000
10	11.06	33.84	25.882	212.7	0.022	5	15.62	33.70	24.854	310.5	0.015
20	9.86	33.86	26.107	191.4	0.042	10	15.16	33.65	24.917	304.5	0.030
30	5.55	33.90	26.189	183.6	0.061	15	12.24	33.66	25.524	246.8	0.044
40	9.30	33.93	26.253	177.5	0.079						
50	5.16	33.97	26.307	172.4	0.097						
75	8.78	34.04	26.422	161.4	0.139						
100	8.75	34.06	26.443	159.5	0.179						
125	8.69	34.07	26.460	157.9	0.220						
150	8.57	34.11	26.510	153.1	0.259						
175	8.50	34.12	26.528	151.4	0.298						
200	8.41	34.15	26.566	147.8	0.336						
225	8.14	34.17	26.622	142.5	0.373						
250	7.94	34.17	26.652	139.6	0.410						
275	7.65	34.18	26.702	134.8	0.445						
300	7.50	34.18	26.724	132.8	0.480						

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R3040

RV DAV ID STARR JORDAN

CALCOFI CRUISE 7507

83041

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME				
34 12.5N	119 24.0W	07/07/75	0109 GMT	34 11.5N	119 26.0W	07/07/75	0003 GMT				
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35M	280	18KT	1	280 4 4	69M	270	18KT	2	280 3 4		
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	15.95	33.71	24.788	316.9	0.000	0	16.17	33.74	24.761	319.4	0.000
10	14.06	33.62	25.129	284.3	0.030	10	15.69	33.69	24.831	312.8	0.031
20	12.71	33.58	25.371	261.3	0.057	20	13.25	33.65	25.318	266.4	0.060
30	11.96	33.62	25.546	244.7	0.082	30	11.79	33.66	25.609	238.7	0.085
						40	11.15	33.68	25.742	226.1	0.109
						50	10.51	33.71	25.879	213.1	0.131

83042

RV DAV ID STARR JORDAN

CALCOFI CRUISE 7507

83043

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME				
34 09.5N	119 30.0W	07/06/75	2218 GMT	34 08.0N	119 34.0W	07/06/75	2018 GMT				
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
242M	290	18KT	1	280 2 4	251M	280	15KT	0	290 1 3		
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	16.26	33.72	24.725	322.8	0.000	0	16.17	33.71	24.738	321.6	0.000
10	16.08	33.71	24.758	319.7	0.032	10	16.06	33.70	24.755	320.0	0.032
20	15.52	33.71	24.884	307.7	0.063	20	15.88	33.70	24.796	316.1	0.063
30	12.96	33.64	25.368	261.6	0.092	30	14.94	33.60	24.927	303.6	0.095
40	12.32	33.65	25.501	249.0	0.117	40	13.00	33.58	25.314	266.8	0.123
50	11.56	33.66	25.652	234.7	0.142	50	12.14	33.64	25.528	246.5	0.149
75	9.85	33.82	26.077	194.2	0.195	75	10.04	33.77	26.006	201.0	0.205
100	9.16	33.93	26.276	175.3	0.242	100	9.18	33.93	26.273	175.6	0.253
125	8.76	34.07	26.410	162.6	0.285	125	8.64	34.05	26.452	158.6	0.295
150	8.64	34.07	26.468	157.1	0.326	150	8.46	34.09	26.511	153.0	0.335
175	8.54	34.09	26.499	154.2	0.365	175	8.40	34.12	26.544	149.9	0.373
200	8.39	34.12	26.545	149.8	0.404	200	8.30	34.14	26.575	147.0	0.411

83044

RV DAV ID STARR JORDAN

CALCOFI CRUISE 7507

83044

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME				
34 06.0N	119 38.5W	07/06/75	1824 GMT	34 04.0N	119 41.0W	07/06/75	1711 GMT				
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
187M	270	14KT	0	270 4 4	90M	280	13KT	0	300 3 4		
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	15.67	33.74	24.874	308.7	0.000	0	14.58	33.76	25.127	284.5	0.000
10	14.75	33.75	25.083	288.7	0.029	10	14.52	33.74	25.125	284.8	0.028
20	14.19	33.75	25.202	277.4	0.058	20	13.78	33.74	25.280	270.0	0.056
30	12.99	33.75	25.244	273.4	0.085	30	13.67	33.75	25.310	267.1	0.083
40	13.49	33.75	25.347	263.6	0.112	40	13.53	33.74	25.331	265.2	0.109
50	12.32	33.73	25.563	243.1	0.138	50	12.99	33.74	25.440	254.8	0.136
75	10.63	33.84	25.959	205.5	0.194	75	9.98	33.85	26.078	194.1	0.192
100	5.07	33.98	26.330	170.3	0.242						
125	8.76	34.05	26.433	160.4	0.283						
150	8.62	34.08	26.479	156.1	0.324						

83045		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				83051	
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
34 03.5N	119 42.5W	07/06/75	1602 GMT		33 52.0N	120 07.5W	07/06/75	1030 GMT			
BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
65M	280	9KT	0	290 4 4		131M	320	22KT			
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	14.91	33.76	25.056	291.3	0.000	0	13.63	33.68	25.264	271.5	0.000
10	14.83	33.75	25.066	290.4	0.029	10	11.10	33.62	25.704	229.7	0.025
20	13.79	33.74	25.278	270.2	0.057	20	10.36	33.70	25.897	211.3	0.047
30	12.69	33.74	25.298	268.3	0.084	30	9.19	33.78	26.056	196.2	0.067
40	12.23	33.72	25.376	260.9	0.110	40	9.50	33.85	26.158	186.5	0.086
50	12.94	33.75	25.457	253.1	0.136	50	9.29	33.89	26.224	180.3	0.105
						75	8.99	33.97	26.334	169.8	0.149
						100	8.83	34.02	26.399	163.7	0.191

RV DAVID STARR JORDAN		CALCOFI CRUISE 7507				83055									
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 44.0N	120 24.0W	7/ 6/75	0729 GMT		833M	320	23KT								
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
2	13.72	33.743	6.25					268.6	0	13.72	33.743	6.25	25.294	268.6	0.000
11	13.71	33.743	6.22					268.4	10	13.71	33.744	6.22	25.296	268.5	0.026
30	12.91	33.755	6.27					252.2	20	13.45	33.750	6.24	25.354	263.0	0.053
57	10.25	33.771	4.24					204.3	30	12.91	33.755	6.27	25.467	252.2	0.079
77	9.57	33.868	3.30					186.3	50	10.92	33.755	4.84	25.839	216.8	0.126
91	9.28	33.937	2.90					176.7	75	9.60	33.858	3.37	26.147	187.6	0.177
103	8.99	33.966	2.75					170.1	100	9.05	33.961	2.77	26.316	171.6	0.222
132	8.79	34.022	2.43					162.9	125	8.81	34.011	2.49	26.394	164.1	0.265
154	8.53	34.043	2.32					157.5	150	8.58	34.041	2.33	26.454	158.5	0.306
182	8.16	34.043	2.36					152.2	200	7.93	34.081	2.05	26.582	146.3	0.383
214	7.79	34.115	1.76					141.6	250	7.62	34.162	1.40	26.692	135.8	0.456
279	7.51	34.183	1.24					132.7	300	7.29	34.194	1.10	26.763	129.1	0.524
347	6.78	34.213	0.84					120.8	400	6.37	34.248	0.62	26.932	113.1	0.651
440	6.15	34.273	0.50					108.5	500	5.98	34.295	0.37	27.020	104.8	0.766
532	5.91	34.304	0.34					103.2	600	5.62	34.327	0.32	27.090	98.1	0.874
626	5.50	34.336	0.32					96.0	700	5.19	34.364	0.29	27.170	90.4	0.976
720	5.11	34.372	0.29					88.9	800	4.78	34.405	0.33	27.250	82.9	1.072
818	4.71	34.413	0.36					81.5							

83055		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				83060	
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
33 44.0N	120 24.0W	07/06/75	0621 GMT		33 34.0N	120 45.0W	07/06/75	0256 GMT			
BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
833M	320	23KT				1849M	320	18KT	4	320 3 3	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	13.62	33.74	25.313	266.9	0.000	0	14.56	33.58	24.993	297.3	0.000
10	13.61	33.74	25.315	266.7	0.026	10	14.57	33.58	24.991	297.5	0.029
20	13.60	33.73	25.309	267.2	0.053	20	14.50	33.57	24.998	296.8	0.059
30	12.53	33.71	25.507	248.4	0.079	30	14.39	33.56	25.014	295.3	0.089
40	12.05	33.73	25.614	238.2	0.103	40	14.21	33.60	25.083	288.8	0.118
50	10.80	33.71	25.828	217.9	0.126	50	13.84	33.63	25.182	279.3	0.147
75	9.73	33.79	26.074	194.5	0.178	75	10.85	33.74	25.842	216.5	0.209
100	9.24	33.92	26.255	177.3	0.225	100	9.74	33.80	26.080	194.0	0.261
125	8.76	33.98	26.378	165.6	0.268	125	8.85	33.89	26.294	173.6	0.307
150	8.36	34.01	26.464	157.5	0.309	150	8.54	33.96	26.397	163.8	0.350
175	8.13	34.06	26.538	150.5	0.349	175	8.32	34.02	26.478	156.2	0.391
200	7.76	34.08	26.608	143.8	0.386	200	8.13	34.06	26.538	150.5	0.430
225	7.62	34.11	26.652	139.7	0.423	225	7.88	34.08	26.590	145.5	0.468
250	7.56	34.16	26.700	135.1	0.458	250	7.61	34.11	26.653	139.5	0.504
275	7.46	34.19	26.738	131.5	0.492	275	7.44	34.14	26.701	135.0	0.540
300	7.25	34.20	26.775	127.9	0.526	300	7.34	34.16	26.731	132.1	0.574
350	6.84	34.23	26.849	120.9	0.591	350	7.18	34.21	26.793	126.3	0.642
400	6.61	34.26	26.910	115.1	0.652	400	6.72	34.25	26.888	117.3	0.705
450	6.24	34.26	26.959	110.5	0.712	450	6.31	34.25	26.942	112.1	0.766
500	6.04	34.29	27.008	105.8	0.769	500	6.01	34.28	27.004	106.2	0.824
550	5.86	34.30	27.039	102.9	0.825	550	5.68	34.31	27.069	100.1	0.879
600	5.58	34.32	27.089	98.1	0.879	600	5.41	34.33	27.118	95.4	0.931
700	5.14	34.36	27.174	90.2	0.981	700	5.04	34.37	27.193	88.3	1.031
800	4.69	34.40	27.257	82.3	1.075	800	4.60	34.41	27.274	80.6	1.123
						900	4.25	34.44	27.336	74.7	1.209
						1000	4.03	34.46	27.375	71.0	1.291

83070			RV DAV ID STARR JORDAN			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
33 14.0N	121 27.0W	07/05/75	2206 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
3737M	320	15KT	4	320	3 4	
Z	T	S	SIGMA T	DT	DD	
0	14.37	33.74	25.157	281.8	0.000	
10	14.08	33.74	25.218	276.0	0.027	
20	13.80	33.73	25.268	271.1	0.055	
30	13.79	33.73	25.270	271.0	0.082	
40	13.09	33.72	25.404	258.2	0.109	
50	12.07	33.68	25.572	242.3	0.134	
75	10.82	33.73	25.840	216.8	0.191	
100	9.74	33.82	26.095	192.5	0.243	
125	9.21	33.92	26.260	176.8	0.290	
150	8.78	34.02	26.407	162.9	0.333	
175	8.58	34.06	26.469	157.0	0.374	
200	8.18	34.06	26.530	151.2	0.413	
225	7.83	34.06	26.582	146.3	0.451	
250	7.47	34.05	26.626	142.1	0.488	
275	7.22	34.06	26.670	138.0	0.524	
300	6.87	34.07	26.726	132.6	0.559	
350	6.42	34.09	26.802	125.5	0.626	
400	5.92	34.13	26.897	116.4	0.689	
450	5.60	34.17	26.968	109.6	0.748	
500	5.33	34.21	27.032	103.5	0.804	
550	5.23	34.27	27.092	97.9	0.858	
600	5.01	34.30	27.141	93.2	0.909	
700	4.75	34.37	27.226	85.2	1.005	
800	4.42	34.41	27.294	78.7	1.095	
900	4.12	34.44	27.350	73.4	1.179	
1000	3.80	34.47	27.407	68.0	1.259	

CALCOFI CRUISE 7507			83080		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
32 54.5N	122 08.0W	07/05/75	1721 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
4116M	320	11KT	2	320	3 4
Z	T	S	SIGMA T	DT	DD
0	14.80	33.40	24.803	315.4	0.000
10	14.78	33.41	24.815	314.2	0.031
20	14.63	33.40	24.840	311.9	0.062
30	14.32	33.41	24.913	304.9	0.093
40	14.09	33.42	24.969	299.6	0.124
50	13.60	33.40	25.055	291.5	0.153
75	12.22	33.52	25.419	256.7	0.222
100	11.08	33.53	25.638	235.9	0.284
125	10.28	33.66	25.880	213.0	0.341
150	9.48	33.86	26.170	185.4	0.392
175	8.97	33.97	26.338	169.5	0.437
200	8.73	34.03	26.422	161.4	0.479
225	8.50	34.06	26.481	155.8	0.520
250	8.21	34.09	26.549	149.4	0.559
275	8.05	34.12	26.597	144.9	0.597
300	7.49	34.08	26.647	140.1	0.634
350	7.23	34.13	26.723	132.9	0.704
400	6.80	34.19	26.830	122.8	0.771
450	6.42	34.21	26.896	116.5	0.834
500	6.13	34.25	26.965	109.9	0.894
550	5.92	34.29	27.023	104.4	0.951
600	5.74	34.31	27.062	100.8	1.006
700	5.05	34.33	27.160	91.4	1.110
800	4.65	34.40	27.261	81.9	1.205
900	4.36	34.44	27.325	75.8	1.293
1000	4.06	34.47	27.380	70.6	1.375

83090			RV DAV ID STARR JORDAN			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
32 34.0N	122 49.5W	07/05/75	1219 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
4116M	290	9KT				
Z	T	S	SIGMA T	DT	DD	
0	14.99	33.42	24.778	317.8	0.000	
10	14.91	33.43	24.803	315.4	0.031	
20	14.90	33.43	24.805	315.2	0.063	
30	14.88	33.42	24.802	315.5	0.094	
40	14.52	33.41	24.871	308.9	0.126	
50	13.17	33.30	25.064	290.6	0.156	
75	11.30	33.28	25.405	258.2	0.225	
100	10.41	33.46	25.702	229.9	0.286	
125	9.72	33.63	25.951	206.3	0.341	
150	9.37	33.80	26.141	188.2	0.391	
175	8.85	33.93	26.325	170.7	0.437	
200	8.42	33.97	26.423	161.3	0.479	
225	8.10	34.03	26.519	152.3	0.520	
250	7.91	34.08	26.586	145.9	0.558	
275	7.71	34.10	26.631	141.6	0.595	
300	7.47	34.10	26.666	138.3	0.631	
350	7.15	34.16	26.758	129.6	0.701	
400	6.84	34.19	26.851	120.7	0.766	
450	6.23	34.22	26.929	113.4	0.828	
500	5.85	34.23	26.985	108.0	0.886	
550	5.63	34.28	27.051	101.7	0.942	
600	5.29	34.30	27.108	96.3	0.995	
700	4.79	34.34	27.198	87.9	1.094	
800	4.41	34.40	27.288	79.4	1.186	
900	4.09	34.43	27.345	73.9	1.271	
1000	3.83	34.47	27.404	68.3	1.350	

CALCOFI CRUISE 7507			85037 ²		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 02.5N	118 58.5W	07/03/75	1737 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
28M	140	7KT	0	230	2 5
Z	T	S	SIGMA T	DT	DD
0	15.39	33.67	24.882	307.9	0.000
10	14.48	33.63	25.049	292.0	0.030
20	13.38	33.60	25.254	272.5	0.058
25	12.59	33.58	25.395	259.1	0.071

85037 ⁵			RV DAV ID STARR JORDAN			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
34 02.0N	118 59.5W	07/03/75	1844 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
65M	160	4KT	0	230	2 5	
Z	T	S	SIGMA T	DT	DD	
0	16.46	33.69	24.656	329.4	0.000	
10	14.67	33.60	24.985	298.1	0.031	
20	13.59	33.61	25.219	275.9	0.060	
30	12.53	33.54	25.375	260.9	0.087	
40	11.44	33.60	25.627	237.0	0.112	
50	10.89	33.67	25.781	222.4	0.135	
60	10.48	33.70	25.876	213.3	0.157	

CALCOFI CRUISE 7507			85038		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
34 01.0N	119 02.5W	07/03/75	2001 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
198M	280	9KT	2	300	3 4
Z	T	S	SIGMA T	DT	DD
0	15.90	33.70	24.791	316.5	0.000
10	14.94	33.63	24.950	301.4	0.030
20	13.62	33.60	25.205	277.2	0.059
30	11.49	33.51	25.548	244.5	0.086
40	10.97	33.62	25.728	227.4	0.109
50	10.69	33.66	25.808	219.7	0.132
75	10.18	33.73	25.951	206.2	0.185
100	9.62	33.83	26.123	189.9	0.235
125	9.35	33.89	26.214	181.2	0.282
150	8.93	33.99	26.360	167.4	0.326

85039 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
33 59.0N	119 06.5W	07/03/75	2129 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
704M	300	12KT	0	280 4 4	
Z	T	S	SIGMA T	DT	DD
0	15.90	33.64	24.745	320.9	0.000
10	15.39	33.67	24.882	307.9	0.031
20	13.29	33.66	25.318	266.4	0.060
30	11.66	33.67	25.641	235.7	0.085
40	10.97	33.72	25.805	220.0	0.108
50	10.27	33.77	25.967	204.7	0.129
75	9.49	33.86	26.168	185.6	0.178
100	9.12	33.96	26.306	172.5	0.223
125	9.02	33.98	26.337	169.5	0.267
150	8.83	34.03	26.407	162.9	0.309
175	8.72	34.06	26.447	159.1	0.350
200	8.52	34.10	26.510	153.1	0.390
225	8.32	34.14	26.572	147.3	0.428
250	8.31	34.15	26.581	146.4	0.466
275	8.02	34.15	26.624	142.2	0.503
300	7.97	34.16	26.640	140.8	0.540
350	7.44	34.20	26.748	130.5	0.611
400	7.19	34.23	26.807	124.9	0.677
450	6.73	34.25	26.886	117.4	0.741
500	6.32	34.28	26.964	110.0	0.802
550	6.05	34.31	27.023	104.5	0.859
600	5.76	34.33	27.075	99.5	0.914

CALCOFI CRUISE 7507 85040

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
33 57.0N	119 10.5W	07/03/75	2300 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
731M	310	9KT	0	310 3 3	
Z	T	S	SIGMA T	DT	DD
0	17.27	33.70	24.474	346.8	0.000
10	16.12	33.64	24.695	325.6	0.033
20	14.65	33.56	24.958	300.6	0.064
30	12.65	33.60	25.398	258.7	0.093
40	11.47	33.59	25.614	238.2	0.117
50	10.40	33.68	25.805	220.1	0.140
75	9.59	33.84	26.136	188.7	0.192
100	9.24	33.91	26.248	178.0	0.238
125	8.97	33.97	26.338	169.5	0.282
150	8.73	34.02	26.414	162.2	0.324
175	8.36	34.07	26.511	153.1	0.364
200	8.23	34.10	26.554	148.9	0.403
225	8.18	34.14	26.593	145.3	0.441
250	8.23	34.19	26.624	142.3	0.478
275	8.05	34.19	26.651	139.7	0.514
300	7.87	34.20	26.686	136.4	0.550

87032⁵ RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
33 53.5N	118 26.5W	07/03/75	0652 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
19M	220	3KT			
Z	T	S	SIGMA T	DT	DD
0	17.48	33.70	24.424	351.5	0.000
5	17.48	33.70	24.424	351.5	0.017
10	17.50	33.70	24.419	352.0	0.035
16	13.05	33.67	25.374	261.1	0.053

CALCOFI CRUISE 7507 87032^J

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
33 54.5N	118 28.0W	07/03/75	0717 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
35M	180	6KT			
Z	T	S	SIGMA T	DT	DD
0	17.41	33.69	24.433	350.7	0.000
10	14.23	33.60	25.078	289.2	0.032
20	11.99	33.59	25.517	247.4	0.058
30	11.32	33.62	25.665	233.4	0.082

87033 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
33 54.0N	118 29.0W	07/03/75	0940 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
50M	180	8KT			
Z	T	S	SIGMA T	DT	DD
0	17.17	33.70	24.497	344.5	0.000
10	17.15	33.70	24.502	344.0	0.034
20	13.23	33.51	25.214	276.3	0.065
30	11.77	33.56	25.535	245.7	0.091
40	11.01	33.60	25.705	229.6	0.115

CALCOFI CRUISE 7507 87034

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
33 52.0N	118 33.5W	07/03/75	1119 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
75M	170	5KT			
Z	T	S	SIGMA T	DT	DD
0	17.50	33.71	24.427	351.2	0.000
10	15.30	33.63	24.871	308.9	0.033
20	13.08	33.55	25.275	270.5	0.062
30	12.35	33.59	25.449	253.9	0.088
38	11.98	33.60	25.527	246.5	0.108

87035 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
33 50.0N	118 37.5W	07/03/75	1238 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
491M	130	11KT	1	240 5 6	
Z	T	S	SIGMA T	DT	DD
0	17.49	33.71	24.429	351.0	0.000
10	16.39	33.68	24.664	328.6	0.034
20	13.20	33.67	25.344	264.0	0.063
30	12.34	33.59	25.451	253.8	0.089
40	11.77	33.59	25.558	243.5	0.114
50	11.21	33.63	25.692	230.8	0.138
75	10.06	33.74	25.979	203.5	0.193
100	9.39	33.88	26.200	182.6	0.241
125	9.19	33.95	26.287	174.3	0.286
150	9.00	34.00	26.356	167.7	0.330
175	8.83	34.03	26.407	162.9	0.372
200	8.69	34.06	26.452	158.6	0.413
225	8.55	34.11	26.513	152.8	0.453
250	8.42	34.14	26.556	148.7	0.492
275	8.27	34.16	26.595	145.1	0.530
300	7.88	34.17	26.661	138.8	0.566
350	7.52	34.17	26.713	133.8	0.637
400	7.15	34.19	26.781	127.3	0.706
450	6.75	34.24	26.876	118.4	0.770

CALCOFI CRUISE 7507 87036

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
33 49.0N	118 40.0W	07/03/75	1422 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
870M	090	6KT	2	250 3 5	
Z	T	S	SIGMA T	DT	DD
0	17.54	33.72	24.425	351.4	0.000
10	17.52	33.71	24.422	351.7	0.035
20	14.40	33.51	24.973	299.2	0.067
30	12.72	33.57	25.362	262.2	0.095
40	11.63	33.63	25.616	238.1	0.121
50	11.35	33.65	25.683	231.7	0.144
75	9.97	33.75	26.002	201.3	0.199
100	9.44	33.88	26.192	183.3	0.247
125	9.14	33.97	26.310	172.1	0.292
150	8.99	34.02	26.373	166.1	0.335
175	8.80	34.07	26.443	159.5	0.377
200	8.55	34.10	26.505	153.6	0.417
225	8.31	34.13	26.565	147.9	0.455
250	8.04	34.15	26.622	142.5	0.493
275	8.04	34.19	26.653	139.5	0.529
300	7.99	34.21	26.676	137.4	0.565

B7040		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				87045			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME				
33 40.0N	118 58.5W	07/04/75	0208 GMT			33 30.0N	119 19.0W	07/04/75	0535 GMT				
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
925M	270	6KT	0	280 3 4		1701M	290	6KT					
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD		
0	17.00	33.70	24.538	340.7	0.000	0	14.64	33.80	25.145	282.8	0.000		
10	16.29	33.62	24.641	330.8	0.033	10	14.60	33.79	25.146	282.7	0.028		
20	13.15	33.55	25.261	271.8	0.063	20	13.62	33.78	25.344	264.0	0.055		
30	11.96	33.64	25.562	243.2	0.089	30	9.94	33.79	26.039	197.9	0.078		
40	11.62	33.65	25.633	236.4	0.113	40	9.44	33.90	26.207	181.9	0.097		
50	11.08	33.67	25.747	225.6	0.136	50	9.34	33.91	26.231	179.6	0.116		
75	9.99	33.76	26.007	200.9	0.190	75	9.09	33.96	26.311	172.0	0.160		
100	9.42	33.88	26.195	183.0	0.238	100	8.89	34.01	26.382	165.3	0.202		
125	9.02	33.96	26.322	171.0	0.283	125	8.70	34.05	26.443	159.5	0.244		
150	8.71	34.02	26.418	161.9	0.326	150	8.42	34.10	26.525	151.7	0.283		
175	8.43	34.07	26.500	154.1	0.366	175	8.23	34.12	26.569	147.5	0.321		
200	8.25	34.09	26.543	150.0	0.405	200	8.04	34.17	26.637	141.0	0.358		
225	8.06	34.10	26.579	146.5	0.443	225	7.87	34.19	26.678	137.1	0.394		
250	7.79	34.14	26.651	139.8	0.479	250	7.66	34.19	26.709	134.3	0.429		
275	7.61	34.16	26.692	135.8	0.515	275	7.47	34.22	26.760	129.4	0.463		
300	7.35	34.16	26.730	132.3	0.550	300	7.36	34.23	26.783	127.2	0.496		
						350	6.97	34.25	26.854	120.5	0.561		
						400	6.63	34.28	26.923	113.9	0.622		
						450	6.24	34.30	26.990	107.5	0.680		
						500	6.03	34.31	27.025	104.2	0.737		
						550	5.77	34.33	27.074	99.6	0.791		
						600	5.54	34.35	27.118	95.4	0.843		
						700	5.14	34.39	27.197	87.9	0.943		
						800	4.75	34.42	27.266	81.4	1.036		
						900	4.41	34.45	27.327	75.6	1.123		
						1000	4.23	34.46	27.354	73.0	1.207		

RV DAVID STARR JORDAN		CALCOFI CRUISE 7507				87045								
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
33 30.0N	119 19.0W	7/ 4/75	0701 GMT			1701M	290	6KT						
Z	T	S	D2	SIG3	NO2	NO3	DT	Z	T	S	D2	SIGT	DT	DD
1	14.62	33.807	5.91				281.9	0	14.62	33.807	5.91	25.155	281.9	0.000
11	14.60	33.807	5.89				281.5	10	14.60	33.808	5.89	25.159	281.5	0.028
30	10.23	33.858	3.84				197.5	20	12.69	33.800	5.01	25.543	245.0	0.054
58	9.28	33.923	2.95				177.7	30	10.23	33.858	3.84	26.042	197.5	0.076
77	9.09	33.960	2.74				172.0	50	9.55	33.904	3.03	26.191	183.4	0.115
92	8.93	34.000	2.56				166.7	75	9.10	33.957	2.75	26.306	172.5	0.159
107	8.82	34.033	2.38				162.6	100	8.87	34.019	2.46	26.391	164.4	0.202
134	8.49	34.074	2.20				154.6	125	8.59	34.062	2.25	26.468	157.1	0.243
158	8.38	34.104	1.90				150.8	150	8.41	34.095	1.99	26.522	151.9	0.282
187	8.15	34.124	1.76				146.0	200	8.04	34.147	1.58	26.619	142.8	0.357
220	7.88	34.185	1.29				137.7	250	7.64	34.212	1.06	26.728	132.4	0.428
291	7.34	34.230	0.89				126.9	300	7.26	34.236	J.84	26.800	125.6	0.495
390	6.63	34.280	0.51				113.9	400	6.57	34.283	0.49	26.933	113.0	0.619
495	6.11	34.305	0.41				105.6	500	6.08	34.307	0.40	27.016	105.1	0.735
601	5.57	34.349	0.24				95.9	600	5.57	34.348	0.24	27.112	96.0	0.842
734	4.98	34.400	0.21				85.4	700	5.12	34.388	J.21	27.198	87.9	0.942
889	4.44	34.446					76.2	800	4.72	34.422	0.21	27.271	80.9	1.035
1054	4.23	34.464	0.25				72.7	1000	4.25	34.462	0.24	27.353	73.2	1.208

87050		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				87060			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME				
33 20.0N	119 39.5W	07/04/75	1015 GMT			33 00.0N	120 21.5W	07/04/75	1557 GMT				
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
75M	300	21KT				929M	320	16KT	2	340 7 6			
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD		
0	14.15	33.76	25.218	275.9	0.000	0	13.46	33.66	25.284	269.7	0.000		
10	14.15	33.76	25.218	275.9	0.027	10	13.46	33.65	25.276	270.4	0.027		
20	13.63	33.72	25.295	268.6	0.054	20	13.46	33.65	25.276	270.4	0.054		
30	10.00	33.84	26.067	195.2	0.078	30	13.46	33.65	25.276	270.4	0.081		
40	9.43	33.91	26.217	181.0	0.097	40	13.25	33.63	25.303	267.8	0.108		
50	9.19	33.96	26.295	173.6	0.114	50	11.92	33.49	25.453	253.5	0.134		
65	8.91	34.02	26.386	164.9	0.140	75	10.85	33.52	25.671	232.8	0.195		
						100	9.45	33.77	26.104	191.6	0.249		
						125	9.00	33.92	26.294	173.6	0.295		
						150	8.84	33.99	26.374	166.0	0.338		
						175	8.39	34.09	26.522	152.0	0.378		
						200	8.12	34.12	26.586	145.9	0.416		
						225	7.90	34.14	26.635	141.3	0.453		
						250	7.60	34.19	26.717	133.4	0.489		
						275	7.35	34.22	26.777	127.8	0.522		
						300	7.20	34.22	26.798	125.8	0.555		
						350	6.82	34.24	26.866	119.3	0.619		
						400	6.28	34.28	26.969	109.5	0.679		
						450	6.06	34.29	27.006	106.1	0.736		
						500	5.92	34.31	27.039	102.9	0.791		
						550	5.79	34.32	27.063	100.6	0.846		
						600	5.67	34.33	27.086	98.5	0.899		
						700	5.25	34.36	27.160	91.4	1.002		
						800	4.60	34.42	27.282	79.8	1.096		

87070		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				87080	
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
32 39.5N	121 02.0W	07/04/75	2045 GMT			32 19.5N	121 43.0W	07/05/75	0129 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3426M	350	14KT	2	340 2 4		4212M	330	9KT	2	330 4 4	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	14.65	33.58	24.974	299.1	0.000	0	14.73	33.50	24.895	306.6	0.000
10	14.62	33.58	24.980	298.5	0.029	10	14.74	33.50	24.893	306.8	0.030
20	14.53	33.58	24.999	296.7	0.059	20	14.38	33.51	24.977	298.8	0.061
30	14.53	33.58	24.999	296.7	0.089	30	14.23	33.52	25.017	295.1	0.090
40	14.13	33.65	25.138	283.5	0.118	40	13.86	33.57	25.132	284.1	0.119
50	13.00	33.69	25.399	258.7	0.145	50	12.90	33.43	25.218	275.9	0.147
75	9.88	33.66	25.947	206.5	0.204	75	11.57	33.50	25.526	246.6	0.213
100	9.48	33.86	26.170	185.4	0.253	100	10.76	33.60	25.749	225.4	0.273
125	8.89	33.99	26.366	166.8	0.298	125	9.92	33.79	26.042	197.6	0.326
150	8.66	34.04	26.441	159.7	0.339	150	9.14	33.90	26.256	177.2	0.374
175	8.40	34.07	26.505	153.6	0.379	175	8.51	33.95	26.394	164.1	0.417
200	8.04	34.08	26.567	147.7	0.418	200	8.27	34.00	26.470	157.0	0.458
225	7.78	34.08	26.605	144.1	0.455	225	8.01	34.03	26.532	151.0	0.498
250	7.62	34.11	26.652	139.7	0.492	250	7.73	34.05	26.589	145.6	0.536
275	7.48	34.14	26.696	135.5	0.527	275	7.49	34.06	26.631	141.6	0.573
300	7.21	34.14	26.734	131.9	0.562	300	7.09	34.06	26.688	136.3	0.608
350	6.80	34.18	26.822	123.5	0.628	350	6.77	34.14	26.794	126.1	0.677
400	6.44	34.21	26.893	116.7	0.691	400	6.51	34.21	26.884	117.6	0.740
450	6.03	34.22	26.954	111.0	0.751	450	6.02	34.23	26.964	110.1	0.800
500	5.60	34.22	27.008	105.9	0.808	500	5.90	34.27	27.010	105.6	0.857
550	5.46	34.28	27.072	99.8	0.863	550	5.51	34.29	27.074	99.6	0.912
600	5.14	34.30	27.126	94.7	0.915	600	5.31	34.33	27.130	94.3	0.964
700	4.70	34.36	27.224	85.4	1.012	700	4.88	34.38	27.219	85.8	1.061
800	4.51	34.42	27.292	78.9	1.102	800	4.49	34.41	27.287	79.4	1.152
900	4.11	34.45	27.359	72.6	1.186	900	4.18	34.44	27.344	74.0	1.237
1000	3.84	34.47	27.403	68.4	1.265	1000	3.84	34.47	27.403	68.4	1.317

87090		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				87090					
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
31 59.5N	122 25.0W	07/05/75	0733 GMT			4499M	310	9KT							
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	14.98	33.426	6.03					317.2	0	14.98	33.426	6.03	24.785	317.2	0.000
11	14.81	33.445	6.06					312.3	10	14.82	33.445	6.05	24.832	312.7	0.031
30	14.69	33.453	6.12					309.2	20	14.75	33.444	6.08	24.846	311.3	0.062
59	12.51	33.354	6.36					274.3	30	14.69	33.453	6.12	24.868	309.2	0.093
78	11.70	33.480	5.65					250.4	50	13.25	33.369	6.28	25.100	287.2	0.153
92	11.26	33.515	5.37					240.1	75	11.80	33.460	5.77	25.450	253.8	0.221
106	10.71	33.605	4.92					224.2	100	10.94	33.565	5.12	25.688	231.2	0.282
135	9.85	33.740	3.91					200.2	125	10.11	33.700	4.24	25.938	207.5	0.338
159	9.25	33.828	3.36					184.3	150	9.45	33.798	3.53	26.124	189.8	0.388
187	8.80	33.914	3.12					171.1	200	8.59	33.946	3.02	26.377	165.8	0.479
220	8.29	33.984	2.87					158.4	250	7.87	34.024	2.53	26.547	149.6	0.560
292	7.35	34.061	2.04					139.6	300	7.24	34.067	1.95	26.671	137.9	0.634
391	6.27	34.128	1.14					120.7	400	6.20	34.137	1.07	26.866	119.4	0.767
494	5.71	34.225	0.59					106.8	500	5.68	34.231	0.57	27.006	106.0	0.886
600	5.23	34.310	0.41					94.9	600	5.23	34.310	0.41	27.123	94.9	0.993
736	4.70	34.387	0.38					83.4	700	4.83	34.370	0.38	27.216	86.1	1.091
891	4.17	34.445	0.48					73.5	800	4.47	34.414	0.40	27.292	78.9	1.181
1057	3.67	34.485	0.73					65.7	1000	3.83	34.474	0.62	27.407	68.1	1.345

87090		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				88030	
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
31 59.5N	122 25.0W	07/05/75	0604 GMT			33 41.5N	118 07.0W	06/30/75	1432 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
4499M	310	9KT				170M	240	5KT	4	240 1 4	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	14.90	33.44	24.813	314.5	0.000	0	16.87	33.67	24.545	339.9	0.000
10	14.80	33.44	24.834	312.4	0.031	5	16.84	33.65	24.537	340.7	0.017
20	14.75	33.44	24.845	311.4	0.062	10	16.56	33.64	24.595	335.3	0.033
30	14.72	33.44	24.851	310.8	0.093	13	15.82	33.65	24.771	318.5	0.043
40	14.54	33.41	24.867	309.4	0.124						
50	13.45	33.39	25.077	289.3	0.154						
75	11.62	33.43	25.462	252.7	0.223						
100	10.93	33.52	25.657	234.1	0.284						
125	10.25	33.70	25.916	209.6	0.340						
150	9.35	33.79	26.136	188.6	0.390						
175	8.94	33.89	26.280	175.0	0.437						
200	8.57	33.95	26.385	165.0	0.480						
225	8.28	33.98	26.452	158.6	0.522						
250	7.91	34.01	26.531	151.1	0.561						
275	7.65	34.05	26.600	144.5	0.599						
300	7.34	34.06	26.653	139.6	0.636						
350	6.69	34.09	26.766	128.8	0.706						
400	6.16	34.12	26.859	120.0	0.770						
450	5.86	34.18	26.944	111.9	0.831						
500	5.55	34.22	27.014	105.3	0.889						
550	5.35	34.28	27.085	98.5	0.943						
600	5.23	34.31	27.123	94.9	0.994						
700	4.88	34.36	27.204	87.3	1.093						
800	4.49	34.41	27.287	79.4	1.184						
900	4.18	34.44	27.344	74.0	1.269						
1000	3.84	34.47	27.403	68.4	1.349						

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88031

RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 40.5N	118 09.5W	06/30/75	1543 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24M	190	4KT	4	190 2 6

Z	T	S	SIGMA T	DT	DD
0	16.99	33.67	24.517	342.6	0.000
5	16.91	33.67	24.536	340.8	0.017
10	16.52	33.67	24.627	332.2	0.033
15	16.05	33.68	24.742	321.2	0.050
19	17.88	33.69	25.423	256.4	0.061

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88031

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 40.5N	118 09.5W	07/02/75	0354 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24M	270	10KT		

Z	T	S	SIGMA T	DT	DD
0	16.88	33.71	24.574	337.3	0.000
5	16.87	33.67	24.557	338.8	0.016
10	16.74	33.67	24.576	337.1	0.033
15	16.67	33.66	24.584	336.2	0.050
20	15.61	33.64	24.810	314.7	0.066

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88032

RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 38.5N	118 13.5W	07/03/75	0030 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
37M	280	19KT	0	280 4 3

Z	T	S	SIGMA T	DT	DD
0	17.04	33.69	24.521	342.3	0.000
10	17.01	33.69	24.528	341.6	0.034
20	13.64	33.61	25.208	276.8	0.065
30	11.60	33.63	25.621	237.6	0.090

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88033

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 36.5N	118 17.5W	07/03/75	0151 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
270M	280	15KT	0	280 3 5

Z	T	S	SIGMA T	DT	DD
0	17.21	33.69	24.480	346.1	0.000
10	17.11	33.68	24.497	344.6	0.034
20	14.48	33.53	24.972	299.3	0.066
30	11.65	33.50	25.511	248.0	0.094
40	11.06	33.64	25.727	227.5	0.118
50	10.56	33.67	25.839	216.9	0.140
75	10.01	33.71	25.965	204.9	0.193
100	9.61	33.83	26.125	189.7	0.243
125	9.18	33.94	26.281	174.9	0.289
150	8.91	34.01	26.378	165.6	0.332
175	8.68	34.10	26.485	155.5	0.373
200	8.50	34.11	26.521	152.1	0.412
225	8.41	34.13	26.550	149.3	0.451

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88034

RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 34.0N	118 22.0W	07/03/75	0328 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
907M	260	10KT	0	260 6 1

Z	T	S	SIGMA T	DT	DD
0	17.51	33.70	24.417	352.2	0.000
10	17.49	33.69	24.414	352.5	0.035
20	14.85	33.52	24.885	307.6	0.068
30	12.22	33.47	25.381	260.4	0.096
40	11.64	33.56	25.560	243.4	0.122
50	10.96	33.60	25.714	228.7	0.145
75	9.81	33.72	26.006	201.0	0.199
100	9.35	33.90	26.222	180.5	0.247
125	9.12	33.97	26.314	171.8	0.292
150	9.01	34.02	26.370	166.4	0.335
175	8.84	34.09	26.452	158.6	0.376
200	8.74	34.14	26.507	153.4	0.416
225	8.64	34.16	26.538	150.5	0.455
250	8.55	34.19	26.575	146.9	0.494
275	8.39	34.21	26.616	143.1	0.531
300	8.14	34.24	26.677	137.3	0.567

6
90027

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 29.5N	117 45.5W	06/30/75	1149 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
43M	350	3KT		

Z	T	S	SIGMA T	DT	DD
0	16.73	33.68	24.586	336.1	0.000
10	15.53	33.63	24.820	313.7	0.032
20	12.61	33.61	25.414	257.3	0.061
30	11.66	33.59	25.579	241.6	0.086
37	11.25	33.64	25.693	230.7	0.102

90028

RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 28.5N	117 46.5W	06/30/75	1026 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
390M	010	3KT		

Z	T	S	SIGMA T	DT	DD
0	17.54	33.66	24.379	355.8	0.000
10	16.14	33.64	24.691	326.1	0.034
20	13.31	33.59	25.260	271.9	0.064
30	12.08	33.59	25.500	249.0	0.090
40	11.45	33.61	25.633	236.4	0.114
50	11.07	33.64	25.725	227.7	0.137
75	10.22	33.75	25.960	205.4	0.192
100	9.76	33.80	26.077	194.3	0.242
125	9.33	33.92	26.241	178.7	0.289
150	8.99	34.01	26.366	166.8	0.333
175	8.73	34.06	26.446	159.2	0.375
200	8.55	34.10	26.505	153.6	0.415
225	8.54	34.13	26.530	151.2	0.454
250	8.52	34.19	26.580	146.5	0.492
275	8.40	34.20	26.606	144.0	0.530
300	8.36	34.22	26.628	141.9	0.567

90029

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 27.0N	117 49.5W	06/30/75	0852 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
648M	290	6KT		

Z	T	S	SIGMA T	DT	DD
0	17.21	33.70	24.488	345.4	0.000
10	16.55	33.68	24.628	332.1	0.033
20	13.37	33.53	25.202	277.5	0.064
30	12.29	33.53	25.414	257.3	0.091
40	11.73	33.58	25.558	243.5	0.116
50	11.49	33.62	25.634	236.4	0.140
75	10.15	33.71	25.941	207.2	0.196
100	9.54	33.87	26.167	185.6	0.245
125	9.42	33.96	26.257	177.1	0.291
150	9.21	34.00	26.323	170.9	0.335
175	8.95	34.05	26.403	163.3	0.378
200	8.81	34.07	26.441	159.7	0.419
225	8.63	34.13	26.516	152.5	0.459
250	8.40	34.17	26.583	146.2	0.498
275	8.35	34.20	26.614	143.3	0.535
300	8.24	34.24	26.662	138.7	0.572

90030 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 25.0N	117 53.5W	06/30/75	0710 GMT

BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES
648M	250	3KT		

Z	T	S	SIGMA T	DT	DD
0	17.20	33.69	24.483	345.9	0.000
10	16.69	33.62	24.549	339.6	0.034
20	15.56	33.55	24.752	320.2	0.067
30	13.05	33.52	25.258	272.1	0.097
40	11.99	33.57	25.502	248.9	0.123
50	10.94	33.59	25.710	229.1	0.147
75	10.08	33.72	25.961	205.3	0.201
100	9.66	33.80	26.093	192.7	0.252
125	9.37	33.92	26.234	179.3	0.299
150	9.17	33.99	26.321	171.0	0.343
175	9.02	34.05	26.392	164.3	0.386
200	8.79	34.09	26.460	157.9	0.427
225	8.59	34.12	26.514	152.7	0.467
250	8.50	34.19	26.583	146.2	0.505
275	8.38	34.21	26.617	142.9	0.543
300	8.16	34.23	26.666	138.3	0.579

CALCOFI CRUISE 7507 90031

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 23.0N	117 58.0W	06/30/75	0536 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
464M	300	5KT		

Z	T	S	SIGMA T	DT	DD
0	17.33	33.73	24.482	345.9	0.000
10	17.23	33.69	24.476	346.6	0.034
20	16.09	33.64	24.702	325.0	0.068
30	12.47	33.54	25.387	259.8	0.097
40	11.67	33.58	25.569	242.5	0.122
50	11.51	33.60	25.614	238.2	0.146
75	10.37	33.68	25.880	213.0	0.203
100	9.66	33.83	26.116	190.5	0.254
125	9.25	33.95	26.277	175.2	0.300
150	9.06	34.06	26.393	164.2	0.343
175	8.86	34.10	26.456	158.2	0.385
200	8.74	34.11	26.483	155.6	0.425
225	8.69	34.16	26.530	151.2	0.464
250	8.51	34.21	26.597	144.8	0.502
275	8.20	34.20	26.637	141.1	0.539
300	8.12	34.23	26.672	137.7	0.575

90032 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 20.5N	118 03.0W	06/30/75	0333 GMT

BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES
759M	240	6KT	1	290 3 3

Z	T	S	SIGMA T	DT	DD
0	17.47	33.69	24.418	352.0	0.000
10	16.48	33.66	24.628	332.0	0.034
20	14.80	33.49	24.873	308.8	0.066
30	12.94	33.49	25.256	272.2	0.095
40	12.12	33.59	25.493	249.8	0.121
50	10.95	33.56	25.685	231.5	0.145
75	9.40	33.74	26.007	200.9	0.200
100	9.50	33.88	26.182	184.3	0.248
125	9.24	33.95	26.279	175.1	0.294
150	9.06	34.01	26.355	167.9	0.337
175	8.94	34.07	26.420	161.6	0.379
200	8.86	34.14	26.488	155.2	0.420
225	8.69	34.14	26.515	152.7	0.459
250	8.47	34.17	26.572	147.2	0.498
275	8.58	34.25	26.618	142.9	0.535
300	8.29	34.23	26.646	140.2	0.572

CALCOFI CRUISE 7507 90037

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 11.0N	118 22.5W	06/30/75	0035 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
1202M	270	14KT	1	280 3 6

Z	T	S	SIGMA T	DT	DD
0	17.40	33.67	24.420	351.9	0.000
10	16.61	33.67	24.606	334.2	0.034
20	14.83	33.53	24.897	306.5	0.066
30	12.60	33.50	25.331	265.2	0.095
40	11.79	33.57	25.539	245.3	0.120
50	11.41	33.60	25.633	236.5	0.144
75	10.16	33.72	25.947	206.6	0.200
100	9.50	33.85	26.158	186.5	0.250
125	9.30	33.97	26.285	174.5	0.295
150	8.86	34.07	26.433	160.4	0.338
175	8.50	34.10	26.513	152.8	0.378
200	8.38	34.14	26.562	148.1	0.416
225	8.43	34.22	26.617	142.9	0.454
250	8.28	34.23	26.648	140.0	0.490
275	8.08	34.24	26.686	136.4	0.526
300	7.94	34.26	26.722	132.9	0.561
350	7.41	34.27	26.808	124.9	0.628
400	6.75	34.26	26.891	116.9	0.691
450	6.51	34.28	26.939	112.4	0.752
500	6.10	34.30	27.008	105.8	0.810
550	5.78	34.32	27.065	100.5	0.865
600	5.52	34.34	27.112	96.0	0.918
700	5.15	34.38	27.188	88.8	1.018
800	4.77	34.41	27.256	82.4	1.112
900	4.48	34.44	27.312	77.1	1.200
1000	4.26	34.46	27.351	73.3	1.285

90045 RV DAVID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
32 54.5N	118 55.5W	06/29/75	1926 GMT

BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES
1756M	270	5KT	2	250 3 6

Z	T	S	SIGMA T	DT	DD
0	15.90	33.81	24.876	308.5	0.000
10	14.54	33.81	25.174	280.1	0.029
20	10.78	33.72	25.839	216.8	0.054
30	10.12	33.84	26.047	197.1	0.075
40	9.78	33.89	26.143	187.9	0.094
50	9.37	33.92	26.234	179.3	0.112
75	8.99	33.98	26.342	169.0	0.156
100	8.63	34.02	26.430	160.7	0.198
125	8.45	34.06	26.489	155.1	0.238
150	8.36	34.10	26.534	150.8	0.277
175	8.22	34.11	26.563	148.1	0.315
200	8.03	34.15	26.623	142.4	0.352
225	7.76	34.16	26.671	137.9	0.388
250	7.55	34.19	26.725	132.7	0.423
275	7.26	34.19	26.766	128.8	0.457
300	7.07	34.22	26.816	124.0	0.489
350	6.67	34.25	26.894	116.6	0.552
400	6.40	34.26	26.938	112.5	0.612
450	6.16	34.28	26.985	108.0	0.670
500	5.88	34.30	27.036	103.2	0.726
550	5.59	34.33	27.096	97.5	0.780
600	5.30	34.36	27.154	92.0	0.830
700	4.96	34.39	27.218	85.9	0.927
800	4.65	34.43	27.285	79.6	1.018
900	4.33	34.45	27.336	74.8	1.104
1000	4.08	34.48	27.386	70.0	1.185

CALCOFI CRUISE 7507 90053

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
32 39.0N	119 28.5W	06/29/75	1437 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
1295M	300	15KT	2	310 6 5

Z	T	S	SIGMA T	DT	DD
0	14.10	33.71	25.190	278.5	0.000
10	14.07	33.71	25.197	277.9	0.027
20	13.84	33.67	25.214	276.3	0.055
30	12.64	33.59	25.393	259.3	0.082
40	11.91	33.59	25.532	246.0	0.107
50	11.66	33.58	25.571	242.3	0.132
75	10.53	33.69	25.860	214.9	0.189
100	9.36	33.86	26.189	183.6	0.240
125	8.90	33.96	26.341	169.2	0.284
150	8.67	34.00	26.408	162.8	0.326
175	8.57	34.03	26.447	159.1	0.367
200	8.28	34.09	26.538	150.4	0.407
225	7.96	34.14	26.626	142.1	0.444
250	7.74	34.17	26.682	136.8	0.480
275	7.59	34.21	26.735	131.8	0.515
300	7.46	34.22	26.761	129.3	0.549
350	7.20	34.25	26.821	123.6	0.615
400	6.71	34.26	26.897	116.4	0.678
450	6.28	34.27	26.962	110.3	0.737
500	6.07	34.29	27.004	106.2	0.795
550	5.86	34.30	27.039	102.9	0.850
600	5.66	34.32	27.079	99.1	0.905
700	5.32	34.35	27.144	92.9	1.009
800	4.75	34.41	27.258	82.2	1.105
900	4.30	34.45	27.339	74.5	1.192
1000	4.04	34.47	27.382	70.4	1.273

LATITUDE 32 25.0N	LONGITUDE 119 57.5W	MO/DAY/YR 6/29/75			MESSENGER TIME 0933 GMT			BOTTOM 1392M	WIND 310	SPEED 22KT	WEATHER	DOMINANT WAVES 320 8 7		
		Z	T	S	DT	DD	Z					T	DD	
1	14.35	33.648	6.21				288.1	0	14.35	33.648	6.21	25.090	288.1	0.000
11	14.36	33.646	6.15				288.4	10	14.35	33.647	6.15	25.087	288.4	0.028
29	13.48	33.585	6.17				275.6	20	14.00	33.617	6.16	25.137	283.6	0.057
56	11.72	33.601	5.39				241.8	30	13.41	33.585	6.15	25.235	274.3	0.085
76	10.85	33.601	4.78				226.8	50	12.10	33.593	5.60	25.497	249.4	0.138
89	10.29	33.607	4.49				217.1	75	10.88	33.602	4.80	25.728	227.4	0.198
105	9.72	33.690	3.96				201.8	100	9.88	33.659	4.13	25.945	206.8	0.252
133	9.05	33.916	3.01				174.7	125	9.19	33.853	3.26	26.209	181.6	0.301
156	8.83	34.011	2.54				164.3	150	8.87	33.993	2.63	26.370	166.4	0.346
186	8.52	34.066	2.25				155.7	200	8.38	34.094	2.02	26.525	151.6	0.427
219	8.21	34.129	1.71				146.5	250	7.92	34.159	1.45	26.645	140.3	0.502
291	7.56	34.179	1.27				133.7	300	7.48	34.185	1.21	26.730	132.3	0.572
389	6.77	34.233	0.77				119.2	400	6.68	34.240	0.72	26.885	117.5	0.702
494	5.96	34.288	0.42				105.0	500	5.91	34.289	0.40	27.023	104.4	0.820
595	5.30	34.305	0.31				96.1	600	5.27	34.308	0.31	27.116	95.6	0.927
726	4.82	34.382	0.31				85.0	700	4.89	34.365	0.31	27.206	87.1	1.025
880	4.34	34.446	0.43				75.2	800	4.58	34.416	0.35	27.281	80.0	1.117
1043	3.82	34.490	0.65				66.7	1000	3.95	34.481	0.58	27.399	68.8	1.283

90060

RV DAVID STARR JORDAN

CALCOFI CRUISE 7507

90070

LATITUDE 32 25.0N	LONGITUDE 119 57.5W	MO/DAY/YR 06/29/75			START TIME 0751 GMT			LATITUDE 32 04.5N	LONGITUDE 120 38.5W	MO/DAY/YR 06/29/75			START TIME 0226 GMT		
BOTTOM 1392M	WIND 310	SPEED 22KT	WEATHER	DOMINANT WAVES 320 8 7			BOTTOM 3926M	WIND 340	SPEED 21KT	WEATHER	DOMINANT WAVES 340 10 8				
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD				
0	14.38	33.65	25.085	288.5	0.000	0	14.30	33.52	25.002	296.5	0.000				
10	14.38	33.65	25.085	288.5	0.028	10	14.31	33.52	25.000	296.7	0.029				
20	14.38	33.65	25.085	288.5	0.057	20	14.31	33.52	25.000	296.7	0.059				
30	14.38	33.65	25.085	288.5	0.086	30	14.28	33.50	24.991	297.5	0.089				
40	13.41	33.53	25.194	278.2	0.115	40	14.23	33.51	25.009	295.8	0.118				
50	12.25	33.50	25.398	258.8	0.142	50	13.85	33.50	25.081	289.0	0.148				
75	11.46	33.61	25.631	236.6	0.204	75	11.58	33.39	25.439	254.9	0.216				
100	9.70	33.69	26.001	201.5	0.259	100	10.53	33.51	25.720	228.2	0.277				
125	9.09	33.91	26.272	175.7	0.307	125	9.99	33.71	25.968	204.6	0.332				
150	8.95	33.99	26.356	167.7	0.350	150	9.41	33.84	26.165	185.8	0.381				
175	8.51	34.02	26.448	159.0	0.392	175	8.82	33.98	26.369	166.5	0.426				
200	8.32	34.12	26.556	148.7	0.431	200	8.57	34.03	26.447	159.1	0.468				
225	8.05	34.14	26.612	143.4	0.469	225	8.20	34.07	26.535	150.7	0.507				
250	7.85	34.16	26.658	139.1	0.505	250	7.91	34.11	26.610	143.7	0.545				
275	7.59	34.19	26.719	133.3	0.540	275	7.52	34.10	26.658	139.0	0.582				
300	7.43	34.20	26.750	130.4	0.574	300	7.40	34.14	26.707	134.4	0.617				
350	6.81	34.21	26.844	121.4	0.640	350	6.58	34.13	26.812	124.5	0.684				
400	6.51	34.27	26.931	113.1	0.701	400	6.09	34.13	26.876	118.4	0.748				
450	6.27	34.29	26.979	108.6	0.760	450	5.90	34.19	26.947	111.6	0.808				
500	5.95	34.31	27.035	103.2	0.816	500	5.68	34.23	27.006	106.1	0.865				
550	5.65	34.32	27.081	99.0	0.870	550	5.30	34.28	27.091	98.0	0.920				
600	5.30	34.32	27.123	95.0	0.922	600	5.13	34.32	27.143	93.1	0.971				
700	4.85	34.39	27.231	84.7	1.019	700	4.85	34.38	27.223	85.5	1.067				
800	4.57	34.43	27.294	78.8	1.109	800	4.45	34.42	27.299	78.3	1.157				
900	4.27	34.46	27.350	73.4	1.194	900	4.16	34.44	27.346	73.8	1.241				
1000	3.88	34.48	27.407	68.0	1.273	1000	3.89	34.46	27.390	69.7	1.322				

90080

RV DAVID STARR JORDAN

CALCOFI CRUISE 7507

90090

LATITUDE 31 44.5N	LONGITUDE 121 14.5W	MO/DAY/YR 06/28/75			START TIME 2036 GMT			LATITUDE 31 24.0N	LONGITUDE 122 01.0W	MO/DAY/YR 06/28/75			START TIME 1353 GMT		
BOTTOM 3737M	WIND 330	SPEED 22KT	WEATHER	DOMINANT WAVES 340 6 7			BOTTOM 3926M	WIND 310	SPEED 23KT	WEATHER	DOMINANT WAVES 300 8 5				
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD				
0	15.25	33.33	24.652	329.8	0.000	0	14.88	33.31	24.717	323.6	0.000				
10	15.24	33.33	24.654	329.6	0.032	10	14.88	33.31	24.717	323.6	0.032				
20	15.14	33.33	24.665	328.6	0.065	20	14.89	33.31	24.715	323.8	0.064				
30	14.62	33.23	24.711	324.2	0.098	30	14.89	33.32	24.723	323.1	0.097				
40	13.36	33.24	24.980	298.6	0.129	40	14.89	33.32	24.723	323.1	0.129				
50	12.77	33.24	25.097	287.4	0.159	50	14.46	33.26	24.768	318.7	0.161				
75	11.87	33.46	25.439	254.9	0.227	75	12.73	33.18	25.058	291.1	0.238				
100	10.77	33.47	25.647	235.1	0.289	100	11.82	33.41	25.410	257.7	0.307				
125	9.75	33.63	25.946	206.7	0.345	125	10.92	33.54	25.675	232.5	0.369				
150	9.33	33.81	26.155	186.8	0.394	150	9.64	33.71	26.026	199.0	0.424				
175	8.99	33.97	26.334	169.8	0.440	175	8.98	33.86	26.250	177.8	0.472				
200	8.58	34.01	26.430	160.7	0.482	200	8.46	33.95	26.402	163.4	0.515				
225	8.24	34.04	26.505	153.6	0.522	225	8.15	33.98	26.472	156.7	0.556				
250	7.85	34.06	26.579	146.6	0.561	250	7.58	34.01	26.579	146.5	0.595				
275	7.72	34.11	26.637	141.0	0.598	275	7.73	34.10	26.628	141.9	0.632				
300	7.59	34.13	26.672	137.8	0.634	300	7.27	34.08	26.678	137.1	0.668				
350	7.04	34.15	26.765	128.9	0.703	350	6.80	34.11	26.767	128.8	0.737				
400	6.55	34.18	26.855	120.3	0.768	400	6.05	34.12	26.873	118.7	0.802				
450	6.23	34.22	26.929	113.4	0.830	450	5.79	34.17	26.945	111.8	0.862				
500	5.84	34.26	27.004	106.3	0.888	500	5.45	34.21	27.018	104.9	0.919				
550	5.59	34.28	27.056	101.3	0.943	550	5.31	34.26	27.074	99.6	0.973				
600	5.35	34.32	27.117	95.5	0.996	600	5.08	34.29	27.125	94.8	1.025				
700	4.91	34.38	27.216	86.1	1.094	700	4.85	34.37	27.215	86.3	1.123				
800	4.47	34.42	27.297	78.5	1.184	800	4.51	34.41	27.284	79.6	1.214				
900	4.16	34.45	27.354	73.1	1.268	900	4.23	34.44	27.339	74.5	1.300				
1000	3.82	34.48	27.413	67.5	1.347	1000	3.90	34.47	27.397	69.0	1.380				

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91026

RV DAV ID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 14.5N	117 28.0W	06/26/75	1340 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
21M	090	7KT	0	270 2 7
Z	T	S	SIGMA T	DT DD
0	17.31	33.67	24.442	349.8 0.000
5	14.78	33.63	24.984	298.1 0.016
10	13.36	33.62	25.273	270.7 0.030
15	12.27	33.65	25.511	248.1 0.043

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91026

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 14.0N	117 29.5W	06/26/75	1503 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
65M	090	7KT	0	250 2 6
Z	T	S	SIGMA T	DT DD
0	17.11	33.67	24.489	345.3 0.000
10	13.01	33.58	25.312	266.9 0.030
20	11.73	33.62	25.589	240.6 0.056
30	11.30	33.64	25.684	231.6 0.079
40	10.56	33.67	25.839	216.9 0.102
50	10.45	33.70	25.881	212.8 0.123

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91028

RV DAV ID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 11.5N	117 34.0W	06/26/75	1621 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
667M	160	7KT	1	270 2 7
Z	T	S	SIGMA T	DT DD
0	17.25	33.68	24.463	347.8 0.000
10	16.21	33.64	24.675	327.6 0.033
20	13.73	33.57	25.159	281.5 0.064
30	12.54	33.63	25.443	254.5 0.091
40	11.87	33.60	25.548	244.6 0.116
50	11.03	33.61	25.709	229.2 0.139
75	9.83	33.76	26.034	198.4 0.193
100	9.41	33.89	26.204	182.1 0.241
125	9.16	33.99	26.323	170.9 0.286
150	8.96	34.02	26.378	165.6 0.329
175	8.74	34.10	26.475	156.4 0.370
200	8.68	34.14	26.516	152.5 0.409
225	8.63	34.20	26.571	147.4 0.448
250	8.54	34.23	26.608	143.8 0.485
275	8.44	34.26	26.647	140.1 0.522
300	8.31	34.26	26.667	138.2 0.558

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91029

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 09.5N	117 38.0W	06/26/75	1818 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
815M	170	7KT	0	250 2 4
Z	T	S	SIGMA T	DT DD
0	16.81	33.68	24.567	337.9 0.000
10	15.87	33.60	24.721	323.2 0.033
20	13.38	33.57	25.230	274.7 0.063
30	12.01	33.50	25.444	254.4 0.089
40	11.18	33.54	25.628	236.9 0.114
50	10.62	33.57	25.751	225.2 0.137
75	9.75	33.78	26.063	195.6 0.190
100	9.37	33.92	26.234	179.3 0.237
125	9.08	33.98	26.328	170.4 0.281
150	9.03	34.09	26.422	161.5 0.324
175	8.91	34.11	26.456	158.2 0.364
200	8.74	34.14	26.507	153.4 0.404
225	8.65	34.18	26.552	149.1 0.443
250	8.63	34.21	26.578	146.6 0.481
275	8.49	34.23	26.616	143.0 0.519
300	8.23	34.22	26.648	140.0 0.555

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91030

RV DAV ID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
33 07.5N	117 42.0W	06/26/75	2001 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
833M	210	7KT	0	210 2 6
Z	T	S	SIGMA T	DT DD
0	17.44	33.65	24.395	354.3 0.000
10	16.51	33.64	24.606	334.1 0.034
20	13.62	33.45	25.089	288.2 0.065
30	12.12	33.52	25.439	254.9 0.092
40	11.26	33.50	25.583	241.2 0.117
50	10.72	33.59	25.749	225.4 0.141
75	9.65	33.82	26.110	191.1 0.193
100	9.20	33.95	26.285	174.5 0.239
125	9.02	34.02	26.369	166.5 0.282
150	8.96	34.06	26.409	162.6 0.324
175	8.98	34.14	26.469	157.0 0.365
200	8.94	34.17	26.499	154.2 0.405
225	8.83	34.20	26.539	150.3 0.444
250	8.70	34.22	26.575	146.9 0.482
275	8.59	34.24	26.608	143.8 0.520
300	8.50	34.26	26.638	141.0 0.557

7
93028

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
32 57.0N	117 17.5W	06/26/75	1107 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
41M	140	6KT		
Z	T	S	SIGMA T	DT DD
0	15.77	33.72	24.836	312.3 0.000
10	14.25	33.63	25.097	287.4 0.030
20	11.80	33.64	25.592	240.4 0.056
30	11.13	33.65	25.722	227.9 0.079
37	10.85	33.67	25.788	221.7 0.095

9
93026

RV DAV ID STARR JORDAN

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
32 57.0N	117 18.5W	06/26/75	1000 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
65M	200	6KT	0	
Z	T	S	SIGMA T	DT DD
0	16.60	33.70	24.631	331.8 0.000
10	14.74	33.58	24.955	301.0 0.031
20	12.10	33.60	25.504	248.7 0.059
30	11.47	33.63	25.645	235.3 0.083
40	11.00	33.64	25.738	226.5 0.106
50	10.45	33.65	25.842	216.5 0.128

93028

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
32 54.5N	117 22.0W	06/26/75	0813 GMT

BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
611M	290	6KT	0	
Z	T	S	SIGMA T	DT DD
0	17.08	33.70	24.519	342.5 0.000
10	16.15	33.62	24.673	327.7 0.033
20	13.32	33.58	25.250	272.8 0.063
30	12.22	33.63	25.505	248.6 0.089
40	11.62	33.64	25.625	237.2 0.114
50	11.02	33.63	25.727	227.5 0.137
75	9.93	33.75	26.009	200.7 0.191
100	9.44	33.88	26.192	183.3 0.239
125	9.11	33.98	26.323	170.9 0.284
150	8.90	34.04	26.403	163.2 0.327
175	8.73	34.09	26.469	157.0 0.367
200	8.58	34.14	26.531	151.1 0.407
225	8.46	34.17	26.573	147.1 0.445
250	8.36	34.19	26.604	144.1 0.482
275	8.26	34.22	26.643	140.5 0.519
300	8.05	34.25	26.698	135.2 0.555

93029		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				93030		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
32 52.5N	117 26.5W	06/26/75	0621 GMT			32 50.5N	117 31.0W	06/26/75	0350 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
611M	280	6KT	0				870M	310	5KT	0	250 2 6	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	
0	17.21	33.70	24.488	345.4	0.000	0	17.12	33.69	24.502	344.1	0.000	
10	16.98	33.69	24.535	340.9	0.034	10	16.48	33.62	24.598	335.0	0.033	
20	13.55	33.66	25.265	271.4	0.065	20	13.18	33.49	25.209	276.8	0.064	
30	17.69	33.66	25.437	255.1	0.091	30	12.53	33.57	25.399	258.7	0.091	
40	11.91	33.68	25.602	239.4	0.116	40	11.72	33.65	25.614	238.2	0.116	
50	11.08	33.67	25.747	225.6	0.139	50	11.39	33.66	25.683	231.7	0.139	
75	10.01	33.74	25.988	202.7	0.193	75	9.85	33.74	26.015	200.2	0.194	
100	9.52	33.87	26.171	185.3	0.242	100	9.65	33.80	26.095	192.5	0.243	
125	9.22	33.95	26.282	174.7	0.287	125	9.33	33.91	26.233	179.4	0.290	
150	8.99	34.02	26.373	166.1	0.331	150	9.06	34.00	26.347	168.6	0.335	
175	8.78	34.08	26.453	158.5	0.372	175	8.88	34.07	26.430	160.7	0.377	
200	8.61	34.13	26.519	152.2	0.412	200	8.86	34.13	26.480	156.0	0.417	
225	8.50	34.18	26.575	146.9	0.450	225	8.73	34.18	26.539	150.3	0.456	
250	8.46	34.21	26.605	144.1	0.488	250	8.57	34.21	26.588	145.7	0.494	
275	8.48	34.22	26.610	143.7	0.525	275	8.42	34.20	26.603	144.3	0.532	
300	8.60	34.30	26.654	139.5	0.562	300	8.26	34.22	26.643	140.5	0.569	

93040		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				93050		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
32 30.0N	118 11.5W	06/27/75	0230 GMT			32 10.0N	118 52.5W	06/27/75	0829 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
1849M	300	10KT	0	280 3 7			1572M	310	17KT			
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	
0	16.06	33.68	24.740	321.4	0.000	0	14.44	33.61	25.042	292.7	0.000	
10	15.60	33.62	24.797	316.0	0.031	10	14.45	33.62	25.047	292.1	0.029	
20	17.69	33.53	25.336	264.6	0.060	20	14.15	33.66	25.141	283.2	0.058	
30	11.80	33.56	25.530	246.3	0.086	30	13.10	33.54	25.263	271.6	0.085	
40	10.70	33.65	25.799	220.7	0.110	40	12.23	33.52	25.418	256.9	0.112	
50	10.35	33.66	25.868	214.1	0.131	50	11.82	33.51	25.487	250.3	0.137	
75	9.62	33.84	26.131	189.1	0.182	75	10.76	33.52	25.687	231.3	0.198	
100	9.07	33.96	26.314	171.7	0.228	100	9.91	33.75	26.012	200.4	0.252	
125	8.92	34.04	26.400	163.5	0.270	125	9.32	33.86	26.196	183.0	0.301	
150	8.77	34.12	26.486	155.4	0.311	150	8.78	33.97	26.367	166.6	0.345	
175	8.76	34.19	26.542	150.0	0.350	175	8.41	34.01	26.456	158.2	0.387	
200	8.67	34.24	26.596	145.0	0.387	200	8.31	34.09	26.534	150.8	0.426	
225	8.36	34.23	26.636	141.2	0.424	225	7.93	34.11	26.607	144.0	0.464	
250	8.15	34.24	26.675	137.4	0.460	250	7.72	34.14	26.661	138.8	0.500	
275	7.95	34.25	26.713	133.8	0.495	275	7.82	34.21	26.701	135.0	0.536	
300	7.71	34.24	26.741	131.2	0.529	300	7.56	34.20	26.731	132.1	0.570	
350	7.40	34.25	26.793	126.2	0.596	350	7.10	34.24	26.828	123.0	0.637	
400	6.94	34.27	26.873	118.6	0.661	400	6.75	34.28	26.907	115.4	0.699	
450	6.67	34.29	26.926	113.7	0.722	450	6.31	34.28	26.966	109.9	0.758	
500	6.19	34.29	26.989	107.7	0.781	500	5.97	34.31	27.033	103.5	0.815	
550	5.92	34.31	27.039	102.9	0.837	550	5.66	34.33	27.087	98.3	0.869	
600	5.52	34.34	27.112	96.0	0.890	600	5.46	34.34	27.120	95.3	0.921	
700	5.10	34.38	27.194	88.2	0.990	700	4.98	34.38	27.208	86.9	1.020	
800	4.71	34.41	27.262	81.8	1.083	800	4.64	34.42	27.278	80.2	1.111	
900	4.32	34.45	27.337	74.7	1.170	900	4.32	34.45	27.337	74.7	1.197	
1000	3.97	34.48	27.397	68.9	1.251	1000	4.04	34.47	27.382	70.4	1.279	

93060		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				93070		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
31 50.0N	119 33.5W	06/27/75	1444 GMT			31 30.0N	120 14.0W	06/27/75	2006 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
2321M	310	20KT	2	320 10 6			4021M	300	22KT	0	310 12 6	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	
0	15.38	33.43	24.700	325.2	0.000	0	15.46	33.42	24.675	327.6	0.000	
10	15.38	33.43	24.700	325.2	0.032	10	15.45	33.42	24.677	327.4	0.032	
20	15.38	33.43	24.700	325.2	0.065	20	15.40	33.42	24.688	326.4	0.065	
30	15.39	33.43	24.698	325.4	0.097	30	15.05	33.41	24.757	319.8	0.097	
40	13.93	33.39	24.979	298.6	0.129	40	13.40	33.46	25.142	283.2	0.128	
50	12.40	33.43	25.118	285.4	0.158	50	12.57	33.47	25.313	266.8	0.155	
75	11.81	33.38	25.389	259.7	0.226	75	11.59	33.54	25.553	244.0	0.219	
100	11.10	33.54	25.642	235.5	0.289	100	10.56	33.60	25.784	222.0	0.278	
125	9.89	33.67	25.954	206.0	0.345	125	9.82	33.73	26.012	200.4	0.332	
150	9.21	33.84	26.198	182.8	0.394	150	9.28	33.87	26.210	181.6	0.380	
175	8.84	33.90	26.303	172.7	0.439	175	8.58	33.93	26.367	166.7	0.424	
200	8.51	33.95	26.394	164.1	0.482	200	8.41	34.00	26.448	159.0	0.466	
225	8.20	33.98	26.465	157.4	0.523	225	7.93	34.02	26.536	150.7	0.506	
250	7.78	34.01	26.550	149.3	0.563	250	7.60	34.04	26.600	144.6	0.544	
275	7.31	34.03	26.633	141.4	0.600	275	7.24	34.06	26.667	138.2	0.580	
300	7.08	34.04	26.673	137.6	0.636	300	7.01	34.08	26.714	133.7	0.615	
350	6.58	34.09	26.780	127.4	0.705	350	6.71	34.12	26.787	126.8	0.683	
400	6.15	34.16	26.892	116.9	0.768	400	6.31	34.15	26.863	119.6	0.747	
450	5.94	34.21	26.958	110.6	0.828	450	5.96	34.20	26.948	111.6	0.808	
500	5.67	34.26	27.031	103.7	0.885	500	5.68	34.24	27.014	105.3	0.865	
550	5.43	34.30	27.092	97.9	0.938	550	5.45	34.30	27.089	98.2	0.919	
600	5.05	34.32	27.152	92.2	0.989	600	5.31	34.33	27.130	94.3	0.971	
700	4.76	34.39	27.241	83.8	1.085	700	4.82	34.37	27.218	85.9	1.068	
800	4.44	34.43	27.308	77.4	1.173	800	4.46	34.43	27.306	77.6	1.158	
900	4.14	34.46	27.364	72.1	1.256	900	4.18	34.46	27.360	72.5	1.241	
1000	3.89	34.49	27.414	67.4	1.334	1000	3.86	34.49	27.417	67.1	1.320	

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
31 10.0N		120 54.0W		6/28/75		0258				4117M		340		21KT		0		320 10 6		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD					
0	15.03	33.444	6.07						316.9	0	15.03	33.444	6.07	24.787	316.9	0.000				
10	15.00	33.441	6.06						316.5	10	15.00	33.441	6.06	24.792	316.5	0.031				
57	13.15	33.447	6.37						279.4	20	14.74	33.431	6.12	24.838	312.0	0.063				
74	12.37	33.513	5.89						260.0	30	14.41	33.426	6.19	24.905	305.7	0.094				
88	12.19		5.76							50	13.52	33.436	6.32	25.096	287.5	0.153				
103	11.83	33.578	5.53						245.5	75	12.35	33.519	5.87	25.392	259.3	0.222				
131	10.75	33.655	4.70						221.1	100	11.91	33.575	5.58	25.521	247.1	0.286				
153	9.66	33.777	3.65						194.4	125	11.02	33.632	4.92	25.727	227.5	0.346				
181	8.98	33.919	3.08						173.4	150	9.80	33.759	3.78	26.037	198.0	0.400				
213	8.43	34.004	2.74						159.0	200	8.62	33.976	2.86	26.396	164.0	0.492				
281	7.82	34.124	1.79						141.4	250	8.05	34.079	2.22	26.563	148.1	0.572				
376	6.83	34.203	0.94						122.2	300	7.61	34.145	1.58	26.679	137.1	0.646				
474	6.11	34.270	0.52						108.2	400	6.63	34.221	0.80	26.876	118.4	0.779				
571	5.54	34.326	0.34						97.2	500	5.94	34.287	0.45	27.017	105.0	0.897				
692	4.86	34.376	0.34						85.9	600	5.36	34.339	0.34	27.130	94.3	1.003				
829	4.37	34.438	0.41						76.1	700	4.82	34.380	0.34	27.225	85.3	1.100				
973	3.91	34.489	1.09U						67.7	800	4.45	34.425	0.38	27.302	78.0	1.190				

93080

RV DAVID STARR JORDAN

CALCOFI CRUISE 7507

93090

LATITUDE		LONGITUDE		MO/DAY/YR		START TIME				LATITUDE		LONGITUDE		MO/DAY/YR		START TIME							
31 10.0N		120 54.0W		06/28/75		0151 GMT				30 50.0N		121 34.5W		06/28/75		0744 GMT							
BOTTOM		WIND		SPEED		WEATHR		DOMINANT WAVES				BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES			
4117M		340		21KT		0		320 10 6				4116M		330		21KT		0		320 10 6			
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD												
0	15.12	33.44	24.765	319.0	0.000	0	15.28	33.42	24.715	323.8	0.000												
10	15.12	33.43	24.757	319.8	0.031	10	15.28	33.42	24.715	323.8	0.032												
20	15.05	33.43	24.772	318.3	0.063	20	15.28	33.42	24.715	323.8	0.064												
30	14.87	33.42	24.804	315.3	0.095	30	15.28	33.41	24.707	324.6	0.097												
40	14.02	33.43	24.991	297.5	0.126	40	14.75	33.35	24.776	318.0	0.129												
50	13.52	33.45	25.110	286.3	0.155	50	13.48	33.33	25.025	294.3	0.160												
75	12.61	33.44	25.283	269.8	0.225	75	12.49	33.45	25.314	266.8	0.230												
100	12.20	33.53	25.431	255.7	0.291	100	12.10	33.54	25.458	253.1	0.296												
125	11.44	33.57	25.604	239.2	0.354	125	10.95	33.58	25.700	230.0	0.357												
150	10.11	33.68	25.924	208.8	0.411	150	9.94	33.67	25.945	206.8	0.412												
175	9.28	33.86	26.202	182.4	0.460	175	9.50	33.82	26.135	188.7	0.463												
200	8.68	33.97	26.383	165.2	0.505	200	9.04	33.93	26.295	173.5	0.509												
225	8.22	34.03	26.500	154.0	0.546	225	8.75	34.04	26.427	161.0	0.552												
250	8.06	34.09	26.572	147.3	0.584	250	8.07	33.98	26.484	155.6	0.592												
275	7.84	34.12	26.628	141.9	0.622	275	7.70	34.00	26.554	148.9	0.631												
300	7.31	34.14	26.720	133.2	0.657	300	7.35	34.02	26.620	142.7	0.669												
350	6.98	34.19	26.805	125.1	0.724	350	6.81	34.06	26.726	132.6	0.740												
400	6.52	34.23	26.899	116.2	0.787	400	6.29	34.11	26.834	122.3	0.807												
450	6.17	34.26	26.968	109.6	0.847	450	5.97	34.17	26.922	114.0	0.869												
500	5.80	34.30	27.046	102.2	0.903	500	5.93	34.25	26.991	107.5	0.927												
550	5.54	34.31	27.086	98.4	0.956	550	5.61	34.29	27.062	100.7	0.983												
600	5.34	34.33	27.126	94.7	1.008	600	5.44	34.33	27.114	95.8	1.035												
700	4.77	34.37	27.224	85.4	1.106	700	4.88	34.37	27.211	86.6	1.134												
800	4.46	34.42	27.298	78.4	1.195	800	4.56	34.42	27.287	79.4	1.225												
900	4.13	34.46	27.365	72.0	1.279	900	4.25	34.45	27.344	74.0	1.310												
1000	3.83	34.49	27.420	66.8	1.357	1000	3.90	34.47	27.397	69.0	1.390												

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
32 40.0N	117 35.0W	6/24/75	0106 GMT	1143M	240	BKT	2	49 1 6								
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	U2	SIGT	DT	DD	
1A	15.78	U	33.720	5.91					0	15.93	33.720	5.91	24.800	315.7	0.000	
9	15.93		33.713	5.99					10	15.77	33.701	5.98	24.819	313.9	0.031	
28	12.49		33.525	5.89					261.3	20	14.08	33.589	5.93	25.099	287.2	0.061
53	11.39		33.615	5.10					235.0	30	12.35	33.529	5.85	25.401	258.5	0.088
67	10.30		33.655	4.23					213.7	50	11.44	33.600	5.24	25.625	237.2	0.138
82	9.97		33.751	3.65					201.2	75	10.07	33.703	3.88	25.948	206.5	0.194
97	9.59		33.863	3.23					186.9	100	9.53	33.881	3.17	26.177	184.8	0.243
126	9.16		33.988	2.85					171.0	125	9.17	33.986	2.85	26.317	171.4	0.288
150	8.92		34.055	2.56					162.4	150	8.92	34.055	2.56	26.412	162.4	0.331
175	8.79		34.109	2.26					156.5	200	8.53	34.138	2.07	26.537	150.6	0.411
209	8.44		34.146	2.01					148.6	250	8.26	34.216	1.50	26.639	140.8	0.486
273	8.18		34.249	1.24					137.1	300	7.89	34.245	1.18	26.717	133.5	0.557
371	7.10		34.211	1.05					125.1	400	6.91	34.229	0.93	26.845	121.3	0.690
469	6.54								500	6.33	34.294	0.56	26.974	109.1	0.812	
572	5.86		34.324	0.33					101.1	600	5.71	34.334	0.31	27.083	98.7	0.923
700	5.28		34.370	0.27					91.0	700	5.28	34.370	0.27	27.165	91.0	1.026
852	4.67		34.423	0.35					80.4	800	4.87	34.405	0.30	27.240	83.9	1.122
1004	4.04		34.482	0.55					69.5	1000	4.05	34.480	0.54	27.389	69.8	1.293

A) A SHAKEDOWN STATION.

94032		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7507				95028		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
32 40.0N	117 35.0W	06/24/75	0155 GMT	1143M	240	BKT	2	49 1 6	32 37.0N	117 10.5W	06/25/75	0115 GMT
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	
0	16.10	33.70	24.746	320.8	0.000	0	15.59	33.68	24.845	311.3	0.000	
10	16.09	33.70	24.748	320.6	0.032	5	14.64	33.61	24.999	296.7	0.015	
20	16.00	33.70	24.769	318.7	0.064	10	11.35	33.61	25.652	234.7	0.028	
30	15.74	33.69	24.820	313.8	0.095	15	10.87	33.66	25.777	222.8	0.039	
40	13.11	33.68	25.369	261.5	0.124							
50	12.18	33.66	25.535	245.7	0.150							
75	11.11	33.65	25.726	227.6	0.209							
100	9.94	33.68	25.953	206.0	0.264							
125	9.30	33.88	26.214	181.2	0.313							
150	9.13	33.99	26.328	170.4	0.357							
175	8.89	34.05	26.413	162.3	0.400							
200	8.73	34.12	26.493	154.8	0.440							
225	8.44	34.15	26.561	148.3	0.479							
250	8.32	34.21	26.626	142.1	0.517							
275	8.45	34.28	26.661	138.7	0.553							
300	8.19	34.26	26.685	136.5	0.589							
350	7.34	34.20	26.763	129.1	0.658							
400	6.99	34.21	26.819	123.8	0.724							
450	6.85	34.27	26.885	117.5	0.788							
500	6.38	34.28	26.956	110.8	0.848							
550	6.10	34.29	27.001	106.6	0.906							
600	5.85	34.32	27.056	101.3	0.962							
700	5.27	34.36	27.158	91.6	1.066							
800	4.84	34.41	27.248	83.1	1.162							
900	4.46	34.42	27.298	78.4	1.252							
1000	4.10	34.46	27.368	71.7	1.336							

95029		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				95030		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
32 35.0N	117 14.5W	06/25/75	0320 GMT	47M	330	11KT		250 3	32 33.0N	117 18.5W	06/25/75	1823 GMT
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	
0	17.37	33.68	24.435	350.5	0.000	0	17.41	33.68	24.425	351.4	0.000	
10	15.63	33.68	24.837	312.2	0.033	10	15.58	33.64	24.817	314.1	0.033	
20	12.14	33.62	25.512	247.9	0.061	20	13.26	33.59	25.270	271.0	0.062	
30	11.27	33.62	25.674	232.6	0.085	30	11.84	33.57	25.530	246.2	0.088	
38	10.79	33.66	25.791	221.4	0.103	40	10.95	33.59	25.708	229.3	0.112	
						50	10.37	33.65	25.856	215.2	0.134	
						75	9.71	33.80	26.085	193.5	0.186	
						100	9.28	33.97	26.288	174.2	0.232	

95031		RV DAVID STARR JORDAN				CALCOFI CRUISE 7507				95032				
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	
32 31.0N	117 22.5W	06/25/75	2044 GMT		32 29.0N	117 27.0W	06/25/75	2224 GMT						
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
556M	300	14KT	0	300 4 5		1202M	300	17KT	0	300 4 5				
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD			
0	17.25	33.68	24.463	347.8	0.000	0	16.90	33.70	24.561	338.4	0.000			
10	15.70	33.69	24.828	313.0	0.033	10	16.79	33.67	24.564	338.2	0.033			
20	17.67	33.60	25.395	259.1	0.061	20	15.32	33.56	24.813	314.4	0.066			
30	17.44	33.58	25.424	256.3	0.087	30	13.78	33.43	25.041	292.8	0.096			
40	11.86	33.55	25.511	248.1	0.112	40	12.70	33.42	25.250	272.9	0.125			
50	11.02	33.56	25.672	232.7	0.136	50	12.22	33.56	25.451	253.8	0.151			
75	9.87	33.75	26.019	199.7	0.191	75	10.62	33.58	25.759	224.5	0.211			
100	9.25	33.92	26.254	177.4	0.238	100	9.62	33.75	26.061	195.8	0.264			
125	9.02	34.04	26.384	165.0	0.282	125	9.04	33.89	26.264	176.5	0.312			
150	8.93	34.11	26.453	158.5	0.323	150	8.68	33.97	26.383	165.2	0.355			
175	8.90	34.15	26.489	155.1	0.363	175	8.39	33.99	26.444	159.4	0.396			
200	8.74	34.16	26.522	151.9	0.402	200	8.30	34.09	26.535	150.7	0.436			
225	8.71	34.19	26.550	149.3	0.441	225	8.48	34.20	26.594	145.1	0.474			
250	8.65	34.23	26.591	145.4	0.479	250	8.52	34.24	26.619	142.8	0.511			
275	8.49	34.25	26.631	141.6	0.516	275	8.09	34.21	26.661	138.8	0.547			
290	8.42	34.28	26.666	138.3	0.538	300	7.97	34.25	26.710	134.1	0.583			
						350	7.64	34.28	26.782	127.3	0.651			
						400	7.19	34.28	26.846	121.2	0.716			
						450	6.68	34.28	26.917	114.5	0.778			
						500	6.33	34.29	26.971	109.4	0.838			
						550	6.01	34.31	27.028	104.0	0.894			
						600	5.78	34.33	27.072	99.8	0.949			
						700	5.20	34.37	27.174	90.1	1.052			
						800	4.76	34.40	27.249	83.0	1.147			
						900	4.34	34.44	27.327	75.6	1.235			
						1000	4.04	34.47	27.382	70.4	1.317			

RV DAVID STARR JORDAN		CALCOFI CRUISE 7507				95032									
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 29.0N	117 27.0W	6/25/75	2344 GMT		1202M	300	17KT	0	300 4 5						
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	16.81	33.703	5.90					336.2	0	16.81	33.703	5.90	24.585	336.2	0.000
10	16.02	33.658	5.96					322.2	10	16.02	33.658	5.96	24.732	322.2	0.032
28	13.81	33.539	6.38					285.4	20	14.79	33.585	6.21	24.946	301.8	0.064
57	12.00	33.583	5.48					248.1	30	13.65	33.540	6.35	25.151	282.3	0.093
75	10.88	33.598	4.61					227.5	50	12.33	33.565	5.81	25.431	255.6	0.147
89	10.11	33.676	4.03					209.1	75	10.88	33.598	4.61	25.727	227.5	0.208
103	9.58	33.759	3.62					194.5	100	9.67	33.743	3.69	26.045	197.3	0.261
131	8.95	33.887	3.34					175.3	125	9.04	33.864	3.37	26.242	178.6	0.309
155	8.65	33.963	2.98					165.2	150	8.70	33.950	3.05	26.363	167.0	0.353
183	8.24	34.010	2.72					155.8	200	8.34	34.097	2.27	26.534	150.8	0.434
218	8.52	34.192	1.78					146.3	250	8.38	34.243	1.39	26.641	140.6	0.509
288	8.04	34.244	1.21					135.5	300	7.95	34.250	1.14	26.713	133.9	0.580
390	7.27	34.281	0.76					122.2	400	7.17	34.282	0.72	26.850	120.9	0.713
495	6.35	34.293	0.46					109.4	500	6.31	34.295	0.45	26.976	108.9	0.835
601	5.76	34.333	0.32					99.3	600	5.76	34.332	0.32	27.076	99.4	0.946
734	5.02	34.377	0.33					87.6	700	5.19	34.366	0.32	27.171	90.4	1.049
887	4.42	34.431	0.46					77.1	800	4.74	34.400	0.37	27.251	82.8	1.144
1050	3.85	34.490	0.63					67.0	1000	4.01	34.471	0.57	27.386	70.0	1.314

RV ALEXANDER AGASSIZ		CALCOFI CRUISE 7507				97028 ⁸									
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 18.5N	117 03.0W	6/24/75	0656 GMT		35M	110	1KT								
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	14.33	33.651	7.39					287.4	0	14.33	33.651	7.39	25.096	287.4	0.000
10	11.00	33.640	4.51					226.5	10	11.00	33.640	4.51	0.000	226.5	0.014
20	10.59	33.715	3.88					214.0	20	10.59	33.715	3.88	0.000	214.0	0.014

RV ALEXANDER AGASSIZ		CALCOFI CRUISE 7507				97029									
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 17.5N	117 04.5W	6/24/75	0831 GMT		58M	270	6KT								
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	14.33	33.719	6.36					282.5	0	14.33	33.719	6.36	25.149	282.5	0.000
10	11.54	33.647	5.12					235.3	10	11.54	33.647	5.12	25.645	235.3	0.025
23	11.07	33.643	4.26					227.4	20	11.17	33.656	4.43	25.718	228.4	0.049
29	10.43	33.737	3.77					209.8	30	10.35	33.749	3.69	25.934	207.8	0.070
49	9.60	33.892	2.97					184.9	50	9.57	33.900	0.00	26.186	183.9	0.110

RV ALEXANDER AGASSIZ		CALCOFI CRUISE 7507				97030									
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 16.0N	117 07.0W	6/24/75	1007 GMT		56M	240	6KT	2	360 2 9						
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	16.33	33.660	6.06					328.7	0	16.33	33.660	6.06	24.663	328.7	0.000
9	15.38	33.636	6.16					310.1	10	15.25	33.634	6.17	24.883	307.8	0.031
16	14.24	33.613	6.26					288.4	20	13.08	33.604	5.90	25.316	266.6	0.060
23	12.20	33.609	5.56					249.8	30	11.62	33.651	4.97	25.631	236.6	0.085
43	10.57	33.736	4.19					212.1							

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7507

97032

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 11.5N		117 15.0W		6/24/75		1320	GMT		1368M	120	3KT	2	270	2	7
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	16.47	33.729						326.8	0	16.47	33.729		24.683	326.8	0.000
10	15.24	33.571						312.0	10	15.24	33.571		24.839	312.0	0.031
30	12.64	33.496						266.2	20	13.86	33.504		25.080	289.1	0.062
55	11.39	33.554						239.5	30	12.64	33.496		25.320	266.2	0.089
70	10.77	33.571						227.7	50	11.54	33.541		25.563	243.1	0.141
86	10.37	33.633						216.5	75	10.64	33.588		25.760	224.4	0.199
101	9.76	33.708						201.1	100	9.80	33.704		25.994	202.1	0.253
131	9.08	33.864						179.0	125	9.17	33.836		26.199	182.6	0.302
155	8.68	33.939						167.5	150	8.74	33.925		26.338	169.5	0.346
180	8.70	34.049						159.6	200	8.69	34.135		26.510	153.1	0.429
215	8.69	34.194						148.7	250	8.48	34.241		26.626	142.1	0.505
279	8.23	34.247						138.0	300	8.03	34.258		26.707	134.4	0.576
377	7.33	34.291						122.2	400	7.19	34.303		26.863	119.6	0.709
474	6.75								500	6.52	34.320		26.969	109.5	0.830
576	5.86	34.330						100.7	600	5.72	34.337		27.085	98.5	0.942
702	5.26	34.373						90.5	700	5.26	34.372		27.168	90.7	1.045
852	4.60	34.434						78.8	800	4.81	34.413		27.253	82.7	1.140
1002	4.09	34.479						70.2	1000	4.09	34.478		27.383	70.3	1.311

97035

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7507

97040

LATITUDE		LONGITUDE		MO/DAY/YR		START TIME			LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		
32 05.5N		117 28.0W		06/24/75		1555 GMT			31 56.0N		117 48.0W		06/24/75		2100 GMT		
BOTTOM		WIND	SPEED	WEATHER		DOMINANT WAVES			BOTTOM		WIND	SPEED	WEATHER		DOMINANT WAVES		
1295M		270	4KT	2		300 2 7			1387M		300	10KT	2		300 2 7		
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	15.63	33.69	24.844	311.5	0.000	0	14.86	33.64	24.975	299.0	0.000	0	14.86	33.64	24.975	299.0	0.000
10	15.50	33.69	24.873	308.7	0.031	10	14.85	33.64	24.977	298.8	0.029	10	14.85	33.64	24.977	298.8	0.029
20	14.96	33.67	24.976	298.9	0.061	20	14.69	33.62	24.996	297.0	0.059	20	14.69	33.62	24.996	297.0	0.059
30	14.28	33.58	25.052	291.7	0.091	30	14.11	33.60	25.103	286.8	0.089	30	14.11	33.60	25.103	286.8	0.089
40	13.63	33.56	25.172	280.3	0.119	40	13.20	33.54	25.243	273.5	0.117	40	13.20	33.54	25.243	273.5	0.117
50	12.54	33.57	25.397	258.9	0.146	50	12.41	33.50	25.368	261.7	0.144	50	12.41	33.50	25.368	261.7	0.144
75	11.86	33.70	25.627	237.0	0.209	75	10.86	33.54	25.685	231.5	0.206	75	10.86	33.54	25.685	231.5	0.206
100	10.47	33.73	25.901	210.9	0.265	100	10.29	33.59	25.823	218.3	0.262	100	10.29	33.59	25.823	218.3	0.262
125	9.48	33.81	26.130	189.1	0.316	125	9.47	33.79	26.117	190.5	0.314	125	9.47	33.79	26.117	190.5	0.314
150	8.80	33.94	26.341	169.2	0.361	150	8.92	33.93	26.314	171.7	0.360	150	8.92	33.93	26.314	171.7	0.360
175	8.45	34.02	26.458	158.1	0.403	175	8.67	34.04	26.439	159.8	0.402	175	8.67	34.04	26.439	159.8	0.402
200	8.05	34.02	26.518	152.3	0.443	200	8.54	34.10	26.507	153.4	0.442	200	8.54	34.10	26.507	153.4	0.442
225	7.85	34.08	26.595	145.1	0.481	225	8.24	34.14	26.584	146.1	0.480	225	8.24	34.14	26.584	146.1	0.480
250	7.73	34.12	26.644	140.4	0.517	250	7.96	34.14	26.626	142.1	0.518	250	7.96	34.14	26.626	142.1	0.518
275	7.90	34.22	26.697	135.3	0.553	275	7.67	34.15	26.676	137.4	0.554	275	7.67	34.15	26.676	137.4	0.554
300	7.42	34.16	26.720	133.2	0.588	300	7.43	34.16	26.718	133.3	0.589	300	7.43	34.16	26.718	133.3	0.589
350	7.06	34.21	26.810	124.7	0.655	350	6.91	34.20	26.822	123.5	0.655	350	6.91	34.20	26.822	123.5	0.655
400	6.47	34.22	26.897	116.4	0.718	400	6.50	34.23	26.901	116.0	0.718	400	6.50	34.23	26.901	116.0	0.718
450	6.24	34.27	26.967	109.8	0.777	450	6.09	34.25	26.970	109.4	0.777	450	6.09	34.25	26.970	109.4	0.777
500	6.19	34.32	27.013	105.4	0.834	500	5.73	34.25	27.015	105.2	0.834	500	5.73	34.25	27.015	105.2	0.834
550	5.87	34.33	27.061	100.8	0.890	550	5.37	34.28	27.083	98.8	0.888	550	5.37	34.28	27.083	98.8	0.888
600	5.60	34.34	27.103	96.9	0.943	600	5.50	34.36	27.131	94.2	0.940	600	5.50	34.36	27.131	94.2	0.940
700	5.17	34.38	27.186	89.0	1.044	700	4.99	34.39	27.215	86.3	1.038	700	4.99	34.39	27.215	86.3	1.038
800	4.60	34.41	27.274	80.6	1.137	800	4.57	34.42	27.286	79.5	1.129	800	4.57	34.42	27.286	79.5	1.129
900	4.30	34.45	27.339	74.5	1.223	900	4.26	34.45	27.343	74.1	1.214	900	4.26	34.45	27.343	74.1	1.214
1000	4.01	34.48	27.393	69.3	1.304	1000	4.04	34.48	27.390	69.6	1.295	1000	4.04	34.48	27.390	69.6	1.295

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7507

97040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 56.0N		117 48.0W		6/24/75		2022	GMT		1387M	300	10KT	2	300	2	7
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
2	14.88	33.648	6.14					298.9	0	14.88	33.648	6.14	24.977	298.9	0.000
12	14.80	33.642	6.20					297.7	10	14.81	33.644	6.18	24.987	297.9	0.029
32	13.55	33.525	6.30					281.3	20	14.40	33.597	6.23	25.037	293.1	0.059
55	11.70	33.553	5.37					245.0	30	13.71	33.537	6.29	25.136	283.7	0.088
70	10.93	33.563	5.00					231.0	50	12.08	33.540	5.60	25.459	252.9	0.142
84	10.49	33.603	4.56					220.7	75	10.74	33.578	4.83	25.734	226.8	0.202
100	10.27	33.622	4.43					215.6	100	10.27	33.622	4.43	25.852	215.6	0.258
129	10.07	33.706	4.04					206.2	125	10.11	33.688	4.11	25.929	208.3	0.311
153	9.18	33.909	3.21					177.2	150	9.29	33.882	3.32	26.216	181.0	0.361
178	8.78	34.048	2.46					160.9	200	8.61	34.095	2.11	26.490	155.0	0.446
211	8.55	34.103	2.00					153.4	250	8.02	34.138	1.70	26.613	143.3	0.523
274	7.68	34.152	1.58					137.4	300	7.43	34.170	1.40	26.726	132.6	0.594
373	6.85	34.209	0.97					122.0	400	6.59	34.215	0.84	26.877	118.3	0.725
471	5.97								500	5.76	34.247	0.48	27.008	105.8	0.843
574	5.35	34.290	0.35					97.8	600	5.26	34.313	0.34	27.122	95.0	0.951
702	4.98	34.398	0.32					85.6	700	4.98	34.397	0.32	27.220	85.7	1.049
853	4.43	34.451	0.44					75.7	800	4.62	34.438	0.38	27.294	78.7	1.139
1009	4.00	34.489	0.61					68.5	1000	4.02	34.487	0.59	27.398	68.9	1.304

97050		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7507						97060		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	
31 36.5N	118 31.5W	06/25/75	0318 GMT		31 15.5N	119 10.0W	06/25/75	1002 GMT						
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
2434M	330	17KT	1	300 5 8		3737M	340	18KT	0	340 5 7				
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD			
0	14.98	33.62	24.934	303.0	0.000	0	15.62	33.58	24.762	319.3	0.000			
10	14.98	33.62	24.934	303.0	0.030	10	15.62	33.58	24.762	319.3	0.031			
20	14.49	33.63	25.046	292.2	0.060	20	15.63	33.58	24.760	319.5	0.063			
30	14.33	33.72	25.150	282.4	0.088	30	15.62	33.58	24.762	319.3	0.095			
40	14.04	33.72	25.210	276.6	0.116	40	15.62	33.58	24.762	319.3	0.127			
50	13.23	33.65	25.322	266.0	0.144	50	14.86	33.53	24.891	307.1	0.159			
75	11.43	33.67	25.683	231.6	0.206	75	13.96	33.52	25.073	289.7	0.234			
100	10.48	33.72	25.892	211.8	0.262	100	12.77	33.51	25.305	267.6	0.304			
125	9.28	33.80	26.155	186.8	0.313	125	11.72	33.55	25.537	245.6	0.369			
150	8.91	33.89	26.285	174.5	0.358	150	10.37	33.61	25.825	218.2	0.428			
175	8.66	33.98	26.394	164.1	0.402	175	9.46	33.75	26.087	193.3	0.480			
200	8.47	34.04	26.470	156.9	0.443	200	8.86	33.92	26.316	171.5	0.527			
225	8.14	34.08	26.552	149.2	0.482	225	8.45	33.97	26.419	161.8	0.569			
250	7.99	34.11	26.598	144.8	0.520	250	7.96	34.01	26.524	151.8	0.609			
275	7.55	34.12	26.670	137.9	0.556	275	7.72	34.03	26.575	147.0	0.648			
300	7.33	34.13	26.709	134.2	0.591	300	7.35	34.05	26.643	140.5	0.685			
350	7.01	34.18	26.793	126.3	0.659	350	7.10	34.15	26.757	129.7	0.755			
400	6.54	34.22	26.888	117.2	0.723	400	6.56	34.16	26.838	122.0	0.821			
450	6.22	34.25	26.954	111.0	0.783	450	6.18	34.20	26.919	114.3	0.883			
500	5.84	34.25	27.002	106.4	0.840	500	5.78	34.23	26.994	107.2	0.941			
550	5.64	34.30	27.066	100.4	0.895	550	5.53	34.27	27.056	101.3	0.997			
600	5.42	34.33	27.117	95.6	0.948	600	5.28	34.29	27.102	97.0	1.050			
700	4.78	34.38	27.231	84.7	1.045	700	4.98	34.37	27.200	87.7	1.150			
800	4.49	34.43	27.302	77.9	1.135	800	4.50	34.41	27.286	79.5	1.241			
900	4.17	34.47	27.369	71.7	1.218	900	4.20	34.45	27.350	73.5	1.326			
1000	3.93	34.49	27.410	67.8	1.296	1000	3.95	34.49	27.407	68.0	1.406			

97070		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7507						97080		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	
30 57.0N	119 50.5W	06/25/75	1537 GMT		30 37.0N	120 32.5W	06/25/75	2114 GMT						
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
3545M	330	15KT	1	330 6 7		3926M	340	16KT	1	320 4 9				
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD			
0	15.61	33.37	24.603	334.4	0.000	0	15.53	33.51	24.728	322.5	0.000			
10	15.61	33.37	24.603	334.4	0.033	10	15.54	33.51	24.726	322.7	0.032			
20	15.56	33.37	24.614	333.4	0.066	20	15.45	33.51	24.746	320.8	0.064			
30	15.12	33.39	24.726	322.7	0.099	30	15.39	33.51	24.759	319.6	0.096			
40	14.96	33.52	24.861	309.9	0.131	40	13.56	33.47	25.117	285.6	0.126			
50	14.76	33.52	24.904	305.8	0.162	50	12.99	33.46	25.224	275.4	0.155			
75	13.56	33.46	25.109	286.3	0.236	75	11.96	33.52	25.469	252.1	0.221			
100	12.42	33.48	25.350	263.3	0.306	100	11.26	33.58	25.645	235.3	0.282			
125	10.99	33.53	25.654	234.4	0.368	125	10.16	33.70	25.931	208.1	0.338			
150	9.98	33.63	25.907	210.4	0.425	150	9.13	33.83	26.203	182.3	0.388			
175	9.17	33.80	26.173	185.1	0.475	175	8.70	33.94	26.357	167.7	0.432			
200	8.82	33.92	26.322	170.9	0.520	200	8.37	33.97	26.431	160.6	0.474			
225	8.43	34.00	26.445	159.3	0.563	225	7.91	34.00	26.523	151.8	0.514			
250	7.95	34.02	26.533	150.9	0.603	250	7.62	34.02	26.581	146.4	0.553			
275	7.79	34.03	26.564	147.9	0.641	275	7.61	34.09	26.638	141.0	0.590			
300	7.15	34.06	26.679	137.1	0.678	300	7.27	34.10	26.694	135.6	0.625			
350	6.66	34.09	26.770	128.5	0.747	350	6.59	34.12	26.803	125.3	0.693			
400	6.36	34.15	26.857	120.2	0.811	400	6.12	34.16	26.896	116.5	0.756			
450	5.95	34.19	26.941	112.2	0.873	450	5.74	34.19	26.967	109.7	0.816			
500	5.64	34.22	27.003	106.3	0.930	500	5.60	34.22	27.008	105.9	0.872			
550	5.39	34.25	27.057	101.2	0.985	550	5.39	34.27	27.073	99.7	0.927			
600	5.16	34.31	27.132	94.1	1.038	600	5.09	34.31	27.140	93.4	0.979			
700	4.87	34.39	27.228	85.0	1.134	700	4.68	34.38	27.242	83.7	1.074			
800	4.47	34.42	27.297	78.5	1.224	800	4.36	34.43	27.317	76.6	1.162			
900	4.06	34.45	27.364	72.1	1.308	900	4.09	34.46	27.369	71.6	1.244			
1000	3.88	34.48	27.407	68.0	1.386	1000	3.75	34.49	27.428	66.1	1.322			

RV ALEXANDER AGASSIZ		CALCOFI CRUISE 7507						97080							
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
30 37.0N	120 32.5W	6/25/75	2205	GMT			3926M	340	16KT	1	320 4 9				
Z	T	S	02	04	103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
0	15.64	33.543	5.95					322.4	0	15.64	33.543	5.95	24.729	322.4	0.000
9	15.58	33.537	5.95					321.6	10	15.57	33.538	5.95	24.739	321.5	0.032
28	15.43	33.521	5.97					319.6	20	15.49	33.529	5.96	24.750	320.4	0.064
55	13.33	33.475	6.61					280.8	30	15.30	33.516	6.04	24.783	317.3	0.096
74	12.28	33.513	5.81					258.3	50	13.77	33.478	6.54	25.078	289.2	0.157
87	11.79	33.541	5.47					247.5	75	12.23	33.516	5.77	25.412	257.4	0.225
101	11.39	33.589	5.23					236.9	100	11.41	33.586	5.24	25.620	237.7	0.288
129	10.37	33.712	4.45					210.6	125	10.52	33.693	4.58	25.862	214.7	0.345
152	9.44	33.833	3.46					186.8	150	9.51	33.823	3.53	26.134	188.8	0.396
179	8.71	33.934	3.42					168.3	200	8.28	33.970	3.23	26.444	159.4	0.485
212	8.09	33.984	3.07					155.6	250	7.81	34.082	2.24	26.601	144.5	0.563
281	7.68	34.153	1.56					137.3	300	7.42	34.160	1.37	26.718	133.3	0.635
377	6.36	34.151	1.01					120.1	400	6.15	34.165	0.87	26.895	116.6	0.765
479	5.63	34.226	0.50					105.8	500	5.52	34.242	0.43	27.035	103.3	0.880
581	5.16	34.302	0.26					94.7	600	5.07	34.317	0.26	27.147	92.7	0.985
712	4.63	34.398	0.28					81.8	700	4.67	34.390	0.27	27.251	82.9	1.080
864	4.17	34.459	0.43					72.5	800	4.35	34.438	0.35	27.324	75.9	1.167
1028	3.71	34.502	0.61					64.8	1000	3.78	34.496	0.57	27.429	65.9	1.325

97090			RV ALF XANDER AGASSIZ			CALCOFI CRUISE 7507			100030		
LATITUDE	LONGITUDE		MO/DAY/YR	START TIME		LATITUDE	LONGITUDE		MO/DAY/YR	START TIME	
30 14.0N	121 11.0W		06/26/75	0430 GMT		31 40.5N	116 46.5W		06/27/75	2330 GMT	
BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3869M	340	15KT	1	330 4 4		425M	290	6KT	1	280 2 8	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	15.21	33.39	24.707	324.6	0.000	0	14.70	33.72	25.071	289.9	0.000
10	15.16	33.39	24.718	323.5	0.032	10	12.21	33.68	25.545	244.8	0.026
20	15.17	33.39	24.716	323.7	0.064	20	11.13	33.65	25.722	227.9	0.050
30	14.86	33.37	24.767	318.8	0.097	30	10.43	33.66	25.854	215.4	0.072
40	14.34	33.34	24.855	310.4	0.128	40	10.22	33.74	25.952	206.1	0.093
50	13.71	33.28	24.940	302.4	0.159	50	10.01	33.77	26.011	200.5	0.114
75	12.52	33.23	25.138	283.6	0.233	75	9.79	33.89	26.142	188.1	0.163
100	11.81	33.32	25.342	264.1	0.301	100	9.67	33.94	26.201	182.5	0.209
125	10.86	33.50	25.654	234.4	0.364	125	9.56	33.96	26.234	179.3	0.255
150	9.96	33.65	25.926	208.6	0.421	150	9.53	34.01	26.278	175.1	0.300
175	9.13	33.79	26.171	185.3	0.471	175	9.22	34.05	26.360	167.4	0.344
200	8.61	33.91	26.347	168.6	0.516	200	9.11	34.13	26.440	159.8	0.386
225	8.19	33.98	26.466	157.3	0.557	225	8.98	34.20	26.516	152.6	0.428
250	7.86	34.01	26.538	150.4	0.597	250	8.82	34.23	26.564	147.9	0.464
275	7.48	34.03	26.609	143.7	0.635	275	8.68	34.26	26.610	143.6	0.502
300	7.24	34.08	26.682	136.7	0.671	300	8.59	34.29	26.647	140.1	0.539
350	6.73	34.12	26.784	127.1	0.739	350	8.17	34.31	26.727	132.5	0.610
400	6.34	34.15	26.859	120.0	0.804	374	7.88	34.32	26.779	127.6	0.643
450	6.04	34.19	26.929	113.3	0.865						
500	5.69	34.23	27.005	106.2	0.923						
550	5.47	34.26	27.055	101.4	0.978						
600	5.19	34.28	27.104	96.7	1.031						
700	4.77	34.37	27.224	85.4	1.129						
800	4.48	34.41	27.288	79.3	1.220						
900	4.19	34.46	27.359	72.6	1.304						
1000	3.87	34.49	27.416	67.2	1.383						

100035			RV ALF XANDER AGASSIZ			CALCOFI CRUISE 7507			100040		
LATITUDE	LONGITUDE		MO/DAY/YR	START TIME		LATITUDE	LONGITUDE		MO/DAY/YR	START TIME	
31 29.5N	117 06.5W		06/27/75	1810 GMT		31 18.5N	117 26.0W		06/27/75	1435 GMT	
BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
1156M	320	6KT	1	310 3 7		2037M	320	6KT	2	310 4 7	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	16.86	33.73	24.594	335.3	0.000	0	16.25	33.62	24.651	329.9	0.000
10	16.14	33.72	24.752	320.2	0.032	10	16.12	33.62	24.680	327.1	0.032
20	14.46	33.65	25.068	290.2	0.063	20	15.92	33.62	24.726	322.8	0.065
30	13.19	33.54	25.246	273.3	0.091	30	15.66	33.61	24.776	318.0	0.097
40	12.66	33.50	25.319	266.3	0.118	40	13.71	33.57	25.163	281.1	0.127
50	12.19	33.53	25.433	255.5	0.144	50	13.25	33.56	25.249	273.0	0.155
75	10.96	33.62	25.729	227.2	0.205	75	11.80	33.54	25.514	247.7	0.220
100	9.91	33.72	25.989	202.6	0.259	100	10.40	33.62	25.828	217.9	0.279
125	9.14	33.85	26.217	181.0	0.308	125	9.98	33.79	26.032	198.5	0.332
150	8.79	33.94	26.342	169.0	0.352	150	9.39	33.91	26.223	180.3	0.380
175	8.76	34.08	26.457	158.2	0.394	175	8.92	34.00	26.369	166.5	0.424
200	8.86	34.20	26.535	150.8	0.433	200	8.61	34.10	26.496	154.5	0.465
225	8.94	34.25	26.561	148.2	0.472	225	8.41	34.15	26.566	147.8	0.504
250	8.52	34.27	26.643	140.5	0.509	250	8.28	34.17	26.601	144.5	0.541
275	8.28	34.28	26.687	136.3	0.545	275	8.13	34.21	26.655	139.3	0.578
300	8.23	34.31	26.718	133.3	0.580	300	7.79	34.21	26.706	134.5	0.613
350	7.69	34.31	26.799	125.7	0.647	350	7.53	34.30	26.814	124.3	0.681
400	7.12	34.32	26.888	117.3	0.711	400	7.15	34.32	26.883	117.6	0.744
450	6.65	34.33	26.960	110.4	0.771	450	6.76	34.35	26.961	110.3	0.805
500	6.46	34.36	27.009	105.8	0.829	500	6.22	34.37	27.048	102.1	0.861
550	6.13	34.38	27.068	100.2	0.884	550	5.89	34.39	27.106	96.6	0.915
600	5.88	34.38	27.099	97.2	0.937	600	5.69	34.40	27.139	93.4	0.966
700	5.19	34.39	27.191	88.5	1.038	700	5.21	34.41	27.205	87.2	1.064
800	4.76	34.41	27.257	82.3	1.132	800	4.73	34.41	27.260	82.0	1.157
900	4.42	34.44	27.318	76.4	1.220	900	4.38	34.45	27.330	75.3	1.244
1000	4.19	34.47	27.366	71.9	1.304	1000	4.04	34.48	27.390	69.6	1.326

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
31 00.5N	118 07.0W	06/27/75	0857 GMT	1326M	320	6KT	1	270	4	8					
Z	T	S	Q2	PO4	SIO3	NO2	NO3	DT	Z	T	S	Q2	SIGT	DT	DD
1	16.08	33.648	5.81					324.2	0	16.08	33.648	5.81	24.711	324.2	0.000
11	16.07	33.646	5.85					324.1	10	16.07	33.647	5.84	24.711	324.1	0.032
31	15.26	33.619	5.98					308.9	20	15.83	33.639	5.93	24.758	319.6	0.064
62	12.01	33.572	5.31					249.1	30	15.32	33.622	5.97	24.859	310.1	0.096
82	10.78	33.618	4.39					224.4	50	13.31	33.574	5.68	25.245	273.3	0.154
97	10.25	33.682	4.00					210.9	75	11.13	33.598	4.70	25.680	232.0	0.218
112	9.68	33.766	3.75					195.5	100	10.13	33.699	3.94	25.934	207.8	0.273
143	8.89	33.919	3.30					172.1	125	9.28	33.840	3.53	26.184	184.0	0.323
168	8.60	33.960	3.13					164.7	150	8.79	33.934	3.25	26.337	169.6	0.368
198	8.27	34.051	2.58					153.2	200	8.23	34.055	2.54	26.517	152.5	0.450
233	7.72	34.092	2.05					142.4	250	7.53	34.113	1.82	26.666	138.3	0.524
307	7.09	34.179	1.19					127.4	300	7.13	34.172	1.25	26.769	128.5	0.593
410	6.50	34.280	0.54					112.2	400	6.54	34.272	0.58	26.928	113.5	0.720
519	5.94	34.339	0.29					101.0	500	6.03	34.332	0.31	27.041	102.7	0.834
626	5.28	34.373	0.24					90.8	600	5.43	34.366	0.25	27.142	93.1	0.939
762	4.70	34.418	0.31					81.0	700	4.93	34.397	0.26	27.226	85.1	1.036
917	4.18	34.470	0.47					71.8	800	4.56	34.432	0.34	27.296	78.5	1.126
1082	3.75	34.504	0.65					65.0	1000	3.94	34.490	0.55	27.408	68.0	1.290

100050

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7507

100060

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME				
31 00.5N	118 07.0W	06/27/75	0804 GMT	30 41.0N	118 47.0W	06/27/75	0240 GMT				
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
1326M	320	6KT	1	270 4 8	3075M	320	15KT	1	320 6 6		
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	16.07	33.65	24.715	323.8	0.000	0	16.11	33.60	24.667	328.4	0.000
10	16.00	33.65	24.731	322.3	0.032	10	16.08	33.60	24.674	327.7	0.032
20	15.78	33.64	24.772	318.3	0.064	20	15.97	33.60	24.699	325.3	0.065
30	14.12	33.61	25.109	286.3	0.094	30	15.95	33.60	24.703	324.9	0.098
40	13.14	33.55	25.263	271.6	0.122	40	15.70	33.69	24.828	313.0	0.130
50	11.91	33.57	25.517	247.5	0.148	50	15.52	33.72	24.892	306.9	0.161
75	10.54	33.61	25.796	221.0	0.207	75	15.07	33.69	24.968	299.7	0.237
100	9.73	33.75	26.042	197.5	0.260	100	13.16	33.61	25.305	267.6	0.309
125	9.01	33.93	26.300	173.1	0.307	125	11.46	33.55	25.585	241.0	0.373
150	8.62	33.98	26.400	163.5	0.350	150	10.31	33.62	25.843	216.4	0.431
175	8.61	34.06	26.464	157.4	0.390	175	9.34	33.78	26.130	189.2	0.482
200	8.19	34.09	26.552	149.1	0.430	200	8.99	33.93	26.303	172.8	0.528
225	7.86	34.10	26.609	143.7	0.467	225	8.59	34.03	26.444	159.4	0.571
250	7.42	34.09	26.665	138.4	0.503	250	8.25	34.06	26.520	152.2	0.611
275	7.20	34.16	26.751	130.2	0.538	275	8.03	34.09	26.576	146.9	0.650
300	7.08	34.19	26.791	126.4	0.571	300	7.83	34.13	26.637	141.1	0.687
350	6.82	34.25	26.874	118.6	0.635	350	7.19	34.17	26.760	129.4	0.757
400	6.54	34.28	26.935	112.7	0.696	400	6.48	34.18	26.865	119.5	0.822
450	6.50	34.38	27.019	104.8	0.753	450	6.00	34.21	26.950	111.3	0.883
500	6.09	34.36	27.057	101.2	0.808	500	5.69	34.24	27.013	105.4	0.940
550	5.87	34.37	27.093	97.8	0.861	550	5.47	34.28	27.071	99.9	0.995
600	5.49	34.38	27.148	92.6	0.913	600	5.22	34.30	27.117	95.6	1.047
700	4.91	34.42	27.248	83.1	1.008	700	4.80	34.37	27.220	85.7	1.145
800	4.56	34.43	27.295	78.7	1.097	800	4.47	34.41	27.289	79.2	1.235
900	4.22	34.47	27.363	72.2	1.181	900	4.18	34.45	27.352	73.3	1.320
1000	3.99	34.49	27.403	68.4	1.260	1000	3.93	34.49	27.410	67.8	1.399

100070

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7507

100080

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME				
30 22.0N	119 25.0W	06/26/75	2104 GMT	29 59.0N	120 09.5W	06/26/75	1511 GMT				
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
3926M	320	15KT	1	320 6 6	4154M	320	21KT	1	320 4 8		
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	16.45	33.66	24.635	331.4	0.000	0	16.16	33.46	24.549	339.6	0.000
10	16.38	33.66	24.651	329.8	0.033	10	16.16	33.46	24.549	339.6	0.033
20	16.37	33.69	24.677	327.4	0.065	20	16.15	33.46	24.551	339.4	0.067
30	15.84	33.72	24.820	313.8	0.098	30	15.08	33.46	24.789	316.7	0.100
40	15.66	33.73	24.868	309.2	0.129	40	14.80	33.46	24.849	311.0	0.132
50	15.40	33.72	24.918	304.4	0.160	50	14.61	33.47	24.898	306.4	0.163
75	14.36	33.56	25.020	294.7	0.235	75	14.32	33.52	24.998	296.9	0.239
100	12.91	33.60	25.347	263.6	0.305	100	13.11	33.44	25.184	279.1	0.311
125	12.11	33.68	25.564	243.0	0.369	125	11.96	33.50	25.453	253.5	0.379
150	10.04	33.65	25.913	209.9	0.427	150	10.51	33.64	25.824	218.3	0.438
175	9.12	33.80	26.181	184.4	0.477	175	9.64	33.71	26.026	199.0	0.491
200	9.01	33.96	26.323	170.8	0.522	200	9.24	33.81	26.170	185.4	0.540
225	8.75	34.04	26.427	161.0	0.565	225	8.64	33.94	26.366	166.8	0.585
250	8.41	34.06	26.495	154.5	0.605	250	8.32	33.98	26.446	159.2	0.627
275	8.11	34.08	26.556	148.7	0.644	275	7.90	34.02	26.541	150.2	0.667
300	7.86	34.11	26.617	143.0	0.682	300	7.45	34.03	26.614	143.3	0.705
350	7.34	34.18	26.747	130.6	0.753	350	6.98	34.09	26.727	132.6	0.776
400	6.83	34.21	26.841	121.7	0.819	400	6.72	34.17	26.825	123.3	0.843
450	6.33	34.26	26.947	111.6	0.881	450	6.08	34.18	26.917	114.6	0.906
500	5.99	34.28	27.007	106.0	0.938	500	6.03	34.25	26.978	108.7	0.965
550	5.88	34.32	27.052	101.7	0.994	550	5.83	34.33	27.066	100.3	1.020
600	5.65	34.35	27.104	96.7	1.047	600	5.55	34.34	27.109	96.3	1.073
700	5.04	34.37	27.193	88.3	1.147	700	5.02	34.38	27.203	87.3	1.173
800	4.59	34.41	27.276	80.5	1.240	800	4.63	34.41	27.271	80.9	1.265
900	4.22	34.45	27.347	73.7	1.325	900	4.25	34.45	27.344	74.0	1.351
1000	3.92	34.48	27.403	68.5	1.405	1000	4.12	34.49	27.390	69.7	1.432

100090		RV ALEXANDER AGASSIZ			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
29 34.5N	120 46.5W	06/26/75	1001 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3926M	330	15KT	1	49 7	
Z	T	S	SIGMA T	DT	DD
0	16.58	33.56	24.529	341.5	0.000
10	16.57	33.56	24.531	341.3	0.034
20	16.50	33.55	24.540	340.5	0.068
30	14.78	33.51	24.892	306.9	0.100
40	14.26	33.48	24.980	298.6	0.131
50	14.16	33.46	24.985	298.1	0.161
75	13.41	33.38	25.078	289.3	0.234
100	12.66	33.42	25.257	272.2	0.305
125	11.81	33.48	25.466	252.3	0.371
150	10.86	33.58	25.716	228.5	0.432
175	9.72	33.67	25.982	203.3	0.487
200	8.14	33.87	26.232	179.5	0.536
225	8.53	33.94	26.383	165.2	0.580
250	8.41	34.03	26.472	156.7	0.621
275	8.00	34.05	26.549	149.4	0.661
300	7.71	34.07	26.607	143.9	0.699
350	7.11	34.12	26.732	132.0	0.770
400	6.49	34.14	26.832	122.6	0.837
450	6.21	34.20	26.916	114.6	0.899
500	5.98	34.26	26.992	107.4	0.958
550	5.78	34.31	27.057	101.2	1.013
600	5.57	34.34	27.106	96.5	1.066
700	5.12	34.40	27.207	87.0	1.166
800	4.64	34.43	27.280	80.0	1.258
900	4.32	34.46	27.345	73.9	1.343
1000	3.99	34.49	27.403	68.4	1.424

CALCOFI CRUISE 7507		103030			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
31 06.0N	116 24.5W	06/28/75	0627 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
65M	300	8KT			
Z	T	S	SIGMA T	DT	DD
0	15.16	33.67	24.933	303.0	0.000
10	13.16	33.62	25.313	266.9	0.028
20	11.86	33.61	25.557	243.6	0.054
30	11.18	33.58	25.659	234.0	0.078
40	10.75	33.62	25.767	223.7	0.100

103035		RV ALEXANDER AGASSIZ			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
30 56.0N	116 45.0W	06/28/75	1006 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
1849M	290	4KT		49	
Z	T	S	SIGMA T	DT	DD
0	15.97	33.65	24.737	321.7	0.000
10	15.46	33.59	24.805	315.2	0.031
20	13.46	33.55	25.199	277.7	0.061
30	12.74	33.54	25.334	264.8	0.088
40	11.78	33.57	25.541	245.2	0.114
50	11.19	33.59	25.665	233.4	0.138
75	9.96	33.82	26.059	196.0	0.192
100	9.43	33.92	26.224	180.2	0.239
125	9.08	34.02	26.359	167.4	0.283
150	8.72	34.07	26.455	158.3	0.325
175	8.44	34.12	26.537	150.5	0.364
200	8.32	34.14	26.572	147.3	0.402
225	8.23	34.19	26.624	142.3	0.439
250	8.23	34.28	26.695	135.6	0.475
275	7.91	34.24	26.711	134.0	0.510
300	8.01	34.31	26.751	130.2	0.544
350	7.58	34.32	26.822	123.5	0.611
400	7.32	34.32	26.860	119.9	0.674
450	6.92	34.35	26.939	112.4	0.736
500	6.49	34.33	26.981	108.4	0.795
550	6.15	34.37	27.057	101.2	0.851
600	5.84	34.40	27.120	95.2	0.904
700	5.30	34.43	27.210	86.7	1.003
800	4.89	34.44	27.266	81.4	1.096
900	4.52	34.45	27.315	76.7	1.184
1000	4.09	34.48	27.385	70.1	1.266

CALCOFI CRUISE 7507		103040			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
30 46.0N	117 04.5W	06/28/75	1317 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
1614M	240	5KT	2	290 4 10	
Z	T	S	SIGMA T	DT	DD
0	16.52	33.65	24.611	333.6	0.000
10	16.31	33.65	24.660	329.0	0.033
20	15.96	33.64	24.732	322.2	0.065
30	14.01	33.63	25.148	282.6	0.096
40	13.13	33.57	25.280	270.0	0.123
50	12.73	33.56	25.352	263.2	0.150
75	10.85	33.58	25.718	228.4	0.212
100	10.00	33.77	26.013	200.3	0.266
125	9.63	33.96	26.223	180.4	0.314
150	9.16	34.04	26.362	167.2	0.358
175	8.94	34.09	26.436	160.1	0.400
200	8.78	34.15	26.508	153.3	0.440
225	8.22	34.15	26.594	145.1	0.478
250	8.16	34.23	26.666	138.3	0.515
275	7.80	34.24	26.728	132.5	0.550
300	7.75	34.31	26.790	126.6	0.583
350	7.37	34.32	26.852	120.6	0.648
400	6.87	34.32	26.922	114.0	0.710
450	6.38	34.33	26.996	107.0	0.768
500	6.14	34.37	27.058	101.1	0.823
550	6.00	34.40	27.100	97.1	0.876
600	5.71	34.41	27.144	92.9	0.928
700	5.18	34.44	27.232	84.6	1.025
800	4.57	34.44	27.302	78.0	1.114
900	4.25	34.48	27.368	71.7	1.194
1000	4.01	34.49	27.401	68.6	1.277

RV ALEXANDER AGASSIZ		CALCOFI CRUISE 7507						
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME					
30 46.0N	117 04.5W	6/28/75	1408	GMT				
Z	T	S	O2	PO4	SI03	NO2	NO3	DT
1	16.53	33.651	5.76					333.8
11	16.55	33.645	5.78					334.7
30	15.97	33.630	5.89					323.1
54	12.97	33.565	6.14					267.3
68	12.10	33.554	5.61					252.1
83	10.90	33.576	4.78					229.5
97	10.50	33.648	4.22					217.5
125	9.74	33.925	2.89					184.7
149	9.54	34.011	2.76					175.2
173	9.25	34.098	2.52					164.2
206	8.73	34.095	2.45					156.6
267	7.73	34.191	1.42					135.1
361	7.49	34.337	0.51					121.0
455	6.46	34.324	0.36					108.5
554	6.01	34.384	0.21					98.4
679	5.26	34.419	0.22					87.1
829	4.46	34.442	0.38					76.7
984	4.02	34.480	0.54					69.4

CALCOFI CRUISE 7507		103040				
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
1614M	240	5KT	2	290 4 10		
Z	T	S	O2	SIGT	DT	DD
0	16.53	33.651	5.76	24.610	333.8	0.000
10	16.54	33.647	5.77	24.602	334.6	0.033
20	16.27	33.638	5.82	24.658	329.2	0.066
30	15.97	33.630	5.89	24.722	323.1	0.099
50	13.49	33.571	6.09	25.208	276.9	0.159
75	11.50	33.558	5.22	25.582	241.3	0.224
100	10.40	33.679	4.05	25.872	213.7	0.282
125	9.74	33.925	2.89	26.177	184.7	0.332
150	9.52	34.016	2.74	26.282	174.7	0.378
200	8.83	34.100	2.46	26.461	157.8	0.463
250	7.97	34.157	1.74	26.636	141.1	0.539
300	7.60	34.253	1.01	26.766	128.8	0.609
400	7.07	34.336	0.44	26.906	115.5	0.737
500	6.22	34.349	0.28	27.031	103.7	0.853
600	5.74	34.400	0.21	27.133	94.0	0.959
700	5.13	34.422	0.23	27.223	85.4	1.057
800	4.59	34.438	0.34	27.297	78.5	1.147
1000	3.99	34.485	0.00	27.399	68.7	1.312

103050		RV ALF XANDER AGASSIZ				CALCOFI CRUISE 7507				103060							
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME								
30 26.0N	117 45.0W	06/28/75	1955 GMT			30 06.0N	118 25.0W	06/29/75	0114 GMT								
BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
2790M	310	10KT	2	320	3	7	3545M	320	10KT	2	320	6	8				
Z	T	S	SIGMA T	DT	DU	Z	T	S	SIGMA T	DT	DU	Z	T	S	SIGMA T	DT	DU
0	16.12	33.67	24.719	323.4	0.000	0	16.34	33.58	24.599	334.8	0.000	0	16.34	33.58	24.599	334.8	0.000
10	15.76	33.67	24.800	315.7	0.031	10	16.32	33.58	24.604	334.4	0.033	10	16.32	33.58	24.604	334.4	0.033
20	14.21	33.67	25.136	283.7	0.061	20	16.11	33.58	24.652	329.8	0.066	20	16.11	33.58	24.652	329.8	0.066
30	12.52	33.63	25.447	254.1	0.088	30	15.99	33.57	24.671	327.9	0.099	30	15.99	33.57	24.671	327.9	0.099
40	11.61	33.61	25.604	239.2	0.113	40	15.25	33.57	24.836	312.2	0.131	40	15.25	33.57	24.836	312.2	0.131
50	11.02	33.65	25.742	226.1	0.137	50	15.05	33.58	24.888	307.4	0.162	50	15.05	33.58	24.888	307.4	0.162
75	9.98	33.70	25.962	205.2	0.191	75	14.51	33.56	24.988	297.8	0.239	75	14.51	33.56	24.988	297.8	0.239
100	9.36	33.79	26.135	188.8	0.241	100	13.46	33.45	25.122	285.1	0.312	100	13.46	33.45	25.122	285.1	0.312
125	8.82	33.91	26.314	171.7	0.286	125	12.39	33.48	25.356	262.8	0.381	125	12.39	33.48	25.356	262.8	0.381
150	8.86	34.05	26.418	161.9	0.328	150	10.76	33.57	25.726	227.6	0.443	150	10.76	33.57	25.726	227.6	0.443
175	8.49	34.11	26.522	152.0	0.368	175	9.89	33.69	25.969	204.5	0.498	175	9.89	33.69	25.969	204.5	0.498
200	8.31	34.15	26.581	146.4	0.407	200	9.05	33.86	26.239	178.8	0.547	200	9.05	33.86	26.239	178.8	0.547
225	7.95	34.17	26.650	139.8	0.443	225	8.70	33.99	26.396	164.0	0.591	225	8.70	33.99	26.396	164.0	0.591
250	7.46	34.14	26.698	135.2	0.479	250	8.38	34.04	26.484	155.6	0.632	250	8.38	34.04	26.484	155.6	0.632
275	7.41	34.18	26.737	131.6	0.513	275	8.14	34.07	26.544	149.9	0.671	275	8.14	34.07	26.544	149.9	0.671
300	7.42	34.24	26.783	127.2	0.547	300	7.71	34.09	26.623	142.4	0.709	300	7.71	34.09	26.623	142.4	0.709
350	6.58	34.19	26.859	120.0	0.611	350	7.20	34.17	26.759	129.5	0.780	350	7.20	34.17	26.759	129.5	0.780
400	6.49	34.27	26.934	112.9	0.672	400	6.94	34.23	26.842	121.6	0.845	400	6.94	34.23	26.842	121.6	0.845
450	6.37	34.30	26.973	109.1	0.730	450	6.48	34.27	26.935	112.7	0.907	450	6.48	34.27	26.935	112.7	0.907
500	5.55	34.27	27.053	101.6	0.786	500	6.11	34.30	27.007	105.9	0.965	500	6.11	34.30	27.007	105.9	0.965
550	5.28	34.30	27.110	96.2	0.839	550	5.78	34.31	27.057	101.2	1.020	550	5.78	34.31	27.057	101.2	1.020
600	5.26	34.35	27.151	92.3	0.889	600	5.50	34.33	27.107	96.5	1.073	600	5.50	34.33	27.107	96.5	1.073
700	4.89	34.43	27.258	82.2	0.984	700	4.90	34.35	27.193	88.3	1.173	700	4.90	34.35	27.193	88.3	1.173
800	4.62	34.45	27.304	77.8	1.072	800	4.61	34.41	27.273	80.7	1.266	800	4.61	34.41	27.273	80.7	1.266
900	4.09	34.47	27.377	70.9	1.155	900	4.24	34.45	27.345	73.9	1.352	900	4.24	34.45	27.345	73.9	1.352
1000	3.83	34.50	27.428	66.1	1.232	1000	3.93	34.48	27.402	68.5	1.432	1000	3.93	34.48	27.402	68.5	1.432

103070		RV ALF XANDER AGASSIZ				CALCOFI CRUISE 7507				103080							
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME								
29 46.5N	119 03.5W	06/29/75	2325 GMT			29 26.0N	119 43.5W	06/30/75	0442 GMT								
BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
3641M	330	8KT	1	330	5	9	3737M	340	11KT	1	330	5	9				
Z	T	S	SIGMA T	DT	DU	Z	T	S	SIGMA T	DT	DU	Z	T	S	SIGMA T	DT	DU
0	16.83	33.80	24.654	329.6	0.000	0	17.30	33.81	24.551	339.4	0.000	0	17.30	33.81	24.551	339.4	0.000
10	16.78	33.80	24.666	328.5	0.032	10	17.31	33.81	24.548	339.6	0.033	10	17.31	33.81	24.548	339.6	0.033
20	16.70	33.80	24.684	326.7	0.065	20	17.35	33.86	24.577	336.9	0.067	20	17.35	33.86	24.577	336.9	0.067
30	16.58	33.79	24.705	324.7	0.098	30	16.96	33.85	24.662	328.8	0.101	30	16.96	33.85	24.662	328.8	0.101
40	16.09	33.72	24.764	319.2	0.130	40	15.94	33.79	24.851	310.6	0.133	40	15.94	33.79	24.851	310.6	0.133
50	15.62	33.65	24.816	314.2	0.162	50	15.73	33.75	24.868	309.2	0.164	50	15.73	33.75	24.868	309.2	0.164
75	14.33	33.54	25.011	295.6	0.239	75	15.48	33.82	24.977	298.8	0.240	75	15.48	33.82	24.977	298.8	0.240
100	13.31	33.51	25.198	277.8	0.311	100	14.36	33.77	25.182	279.4	0.313	100	14.36	33.77	25.182	279.4	0.313
125	11.72	33.55	25.537	245.6	0.377	125	13.06	33.77	25.449	253.9	0.381	125	13.06	33.77	25.449	253.9	0.381
150	10.48	33.61	25.806	220.0	0.436	150	11.92	33.79	25.685	231.5	0.442	150	11.92	33.79	25.685	231.5	0.442
175	9.79	33.73	26.017	199.9	0.489	175	10.60	33.77	25.910	210.1	0.498	175	10.60	33.77	25.910	210.1	0.498
200	9.15	33.89	26.246	178.1	0.538	200	9.46	33.81	26.134	188.8	0.549	200	9.46	33.81	26.134	188.8	0.549
225	8.97	33.98	26.345	168.7	0.582	225	9.00	33.97	26.333	169.9	0.595	225	9.00	33.97	26.333	169.9	0.595
250	8.44	34.04	26.475	156.4	0.624	250	8.52	34.05	26.470	156.9	0.637	250	8.52	34.05	26.470	156.9	0.637
275	8.02	34.06	26.554	148.9	0.663	275	8.11	34.06	26.541	150.2	0.677	275	8.11	34.06	26.541	150.2	0.677
300	7.79	34.07	26.596	145.0	0.701	300	7.65	34.09	26.632	141.6	0.714	300	7.65	34.09	26.632	141.6	0.714
350	7.05	34.12	26.740	131.3	0.773	350	7.10	34.13	26.741	131.2	0.785	350	7.10	34.13	26.741	131.2	0.785
400	6.56	34.16	26.838	122.0	0.839	400	6.55	34.16	26.839	121.8	0.851	400	6.55	34.16	26.839	121.8	0.851
450	6.39	34.27	26.947	111.6	0.900	450	6.30	34.21	26.912	115.0	0.913	450	6.30	34.21	26.912	115.0	0.913
500	6.36	34.33	26.998	106.8	0.958	500	5.95	34.24	26.980	108.5	0.973	500	5.95	34.24	26.980	108.5	0.973
550	5.91	34.34	27.064	100.5	1.014	550	5.56	34.29	27.068	100.2	1.028	550	5.56	34.29	27.068	100.2	1.028
600	5.63	34.37	27.122	95.0	1.066	600	5.39	34.32	27.112	96.0	1.081	600	5.39	34.32	27.112	96.0	1.081
700	5.19	34.41	27.207	87.0	1.165	700	4.93	34.38	27.214	86.4	1.179	700	4.93	34.38	27.214	86.4	1.179
800	4.78	34.43	27.270	81.0	1.258	800	4.68	34.43	27.282	79.9	1.271	800	4.68	34.43	27.282	79.9	1.271
900	4.36	34.46	27.340	74.3	1.344	900	4.28	34.47	27.357	72.8	1.356	900	4.28	34.47	27.357	72.8	1.356
1000	4.05	34.48	27.389	69.7	1.425	1000	3.99	34.49	27.403	68.4	1.435	1000	3.99	34.49	27.403	68.4	1.435

103090		RV ALEXANDER AGASSIZ			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
29 07.0N	120 24.5W	06/30/75	1030 GMT		
BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES	
3926M	350	11KT	1		
Z	T	S	SIGMA T	DT	DD
0	17.32	33.90	24.615	333.3	0.000
10	17.32	33.90	24.615	333.3	0.033
20	17.33	33.90	24.612	333.5	0.066
30	17.33	33.90	24.612	333.5	0.100
40	16.61	33.87	24.759	319.6	0.132
50	16.49	33.86	24.779	317.7	0.164
75	15.98	33.83	24.873	308.7	0.243
100	15.69	33.84	24.946	301.8	0.320
125	14.02	33.76	25.246	273.3	0.393
150	12.86	33.77	25.488	250.2	0.459
175	11.37	33.75	25.756	224.7	0.520
200	10.39	33.86	26.016	200.0	0.574
225	9.66	33.97	26.226	180.1	0.622
250	9.19	34.03	26.349	168.4	0.667
275	8.65	34.09	26.482	155.8	0.709
300	8.43	34.10	26.523	151.8	0.749
350	7.44	34.11	26.678	137.2	0.824
400	6.75	34.15	26.805	125.1	0.892
450	6.29	34.19	26.897	116.4	0.956
500	5.98	34.25	26.984	108.1	1.015
550	5.70	34.29	27.051	101.8	1.071
600	5.44	34.32	27.106	96.5	1.124
700	4.99	34.38	27.207	87.0	1.223
800	4.58	34.42	27.285	79.6	1.315
900	4.27	34.46	27.350	73.4	1.400
1000	3.97	34.49	27.405	68.2	1.480

CALCOFI CRUISE 7507		107030 ³			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
30 28.0N	116 04.0W	07/02/75	1112 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
15M	330	15KT	0		
Z	T	S	SIGMA T	DT	DD
0	14.59	33.69	25.071	289.9	0.000
5	14.53	33.69	25.084	288.6	0.014
9	14.02	33.71	25.207	276.9	0.025

CALCOFI CRUISE 7507		107030 ⁶			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
30 27.5N	116 05.5W	07/02/75	1025 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
28M	330	11KT	0		
Z	T	S	SIGMA T	DT	DD
0	14.79	33.66	25.005	296.1	0.000
10	13.75	33.62	25.194	278.2	0.028
13	13.37	33.65	25.294	268.7	0.036

107031		RV ALEXANDER AGASSIZ			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
30 27.5N	116 07.0W	07/02/75	0930 GMT		
BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES	
47M	340	9KT	0		
Z	T	S	SIGMA T	DT	DD
0	15.02	33.67	24.963	300.1	0.000
10	14.90	33.66	24.982	298.4	0.029
20	13.17	33.60	25.296	268.5	0.058
30	11.84	33.63	25.576	241.8	0.083
40	11.72	33.64	25.606	238.9	0.108

CALCOFI CRUISE 7507		107032			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
30 26.0N	116 11.5W	07/02/75	0820 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
427M	330	10KT	0		
Z	T	S	SIGMA T	DT	DD
0	15.39	33.65	24.867	309.3	0.000
10	15.21	33.65	24.906	305.6	0.030
20	13.66	33.61	25.204	277.2	0.059
30	12.10	33.59	25.497	249.4	0.086
40	11.51	33.51	25.545	244.8	0.111
50	11.20	33.60	25.671	232.8	0.135
75	10.50	33.64	25.826	218.1	0.191
100	9.90	33.88	26.115	190.6	0.243
125	9.69	33.92	26.182	184.3	0.290
150	9.47	34.01	26.288	174.2	0.336
175	9.03	34.17	26.484	155.6	0.378
200	8.80	34.16	26.513	152.8	0.417
225	8.65	34.17	26.544	149.9	0.456
250	8.59	34.22	26.593	145.3	0.494
275	8.50	34.24	26.622	142.5	0.531
300	8.30	34.22	26.637	141.0	0.568
350	8.02	34.25	26.703	134.8	0.640
400	8.02	34.31	26.750	130.3	0.710

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				BOTTOM	WIND		SPEED	WEATHER	DOMINANT WAVES		
30 21.0N		116 22.5W		7/ 2/75		0104				1664M	310		15KT	0	320 4 6		
Z	T	S	02	PO4	SIO3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
0	16.62	33.679	5.77					333.7	0	16.62	33.679	5.77	24.611	333.7	0.000		
9	16.61	33.679	5.77					333.5	10	16.59	33.679	5.77	24.616	333.2	0.033		
27	15.93	33.651	5.87					320.7	20	16.29	33.666	5.83	24.675	327.6	0.066		
54	13.37	33.594	5.71					272.8	30	15.71	33.645	5.85	24.791	316.6	0.098		
73	11.11	33.597	4.50					231.5	50	13.83	33.600	5.73	25.161	281.4	0.158		
86	10.76	33.674	3.92					219.9	75	11.03	33.606	4.40	25.704	229.7	0.223		
100	9.94	33.852	3.27					193.3	100	9.94	33.852	3.27	26.087	193.3	0.276		
126	9.20	33.966	3.05					173.3	125	9.21	33.965	3.05	26.294	173.6	0.322		
149	9.10	34.092	2.66					162.4	150	9.09	34.095	2.64	26.416	162.0	0.365		
176	8.76	34.126	2.37					154.8	200	8.22	34.091	2.42	26.548	149.6	0.444		
207	8.07	34.080	2.44					148.2	250	7.98	34.189	1.69	26.660	138.9	0.519		
274	7.94	34.248	1.16					133.8	300	7.72	34.285	0.87	26.774	128.0	0.588		
366	7.09	34.337	0.46					115.6	400	6.89	34.343	0.41	26.937	112.6	0.714		
462	6.59	34.340	0.33					108.9	500	6.38	34.344	0.29	27.006	106.1	0.830		
559	6.07	34.356	0.25					101.3	600	5.83	34.372	0.24	27.099	97.3	0.939		
683	5.39	34.408	0.22					89.4	700	5.31	34.413	0.22	27.195	88.1	1.040		
828	4.79	34.443	0.31					80.1	800	4.89	34.438	0.28	27.263	81.7	1.133		
984	4.15	34.476	0.48					71.0	1000	4.09	34.479	0.00	27.384	70.2	1.303		

107035

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7507

107040

LATITUDE		LONGITUDE		MO/DAY/YR		START TIME				LATITUDE		LONGITUDE		MO/DAY/YR		START TIME							
30 21.0N		116 22.5W		07/01/75		0018 GMT				30 11.0N		116 43.0W		07/01/75		2052 GMT							
BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES				BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES			
1664M		310		15KT		0		320 4 6				1856M		340		16KT		0		320 5 5			
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD												
0	16.62	33.67	24.604	334.4	0.000	0	16.68	33.72	24.628	332.1	0.000												
10	16.57	33.67	24.615	333.3	0.033	10	16.55	33.72	24.658	329.2	0.033												
20	16.42	33.67	24.650	330.0	0.066	20	16.41	33.72	24.690	326.1	0.065												
30	15.71	33.65	24.796	316.1	0.099	30	13.46	33.67	25.291	268.9	0.095												
40	14.41	33.65	25.079	289.2	0.129	40	11.80	33.59	25.553	244.0	0.121												
50	13.46	33.61	25.245	273.3	0.157	50	11.01	33.61	25.713	228.8	0.145												
75	10.71	33.60	25.758	224.5	0.220	75	10.04	33.79	26.022	199.5	0.199												
100	9.69	33.88	26.151	187.3	0.272	100	9.59	33.93	26.206	182.0	0.247												
125	9.20	33.99	26.316	171.5	0.317	125	9.18	34.00	26.327	170.5	0.291												
150	9.11	34.10	26.417	162.0	0.359	150	8.81	34.06	26.433	160.4	0.333												
175	8.77	34.14	26.502	153.9	0.400	175	8.46	34.08	26.503	153.8	0.373												
200	8.05	34.08	26.565	147.9	0.438	200	7.92	34.08	26.584	146.0	0.412												
225	8.22	34.19	26.626	142.1	0.475	225	7.51	34.11	26.668	138.1	0.448												
250	7.89	34.18	26.667	138.2	0.512	250	7.14	34.11	26.720	133.2	0.483												
275	7.94	34.28	26.738	131.4	0.546	275	6.85	34.13	26.772	127.9	0.517												
300	7.78	34.29	26.770	128.5	0.580	300	6.71	34.16	26.818	123.9	0.549												
350	7.09	34.31	26.884	117.6	0.644	350	6.44	34.23	26.909	115.2	0.611												
400	6.69	34.31	26.939	112.4	0.705	400	6.37	34.29	26.966	109.9	0.670												
450	6.57	34.34	26.979	108.7	0.763	450	6.10	34.32	27.024	104.3	0.727												
500	6.39	34.34	27.002	106.4	0.820	500	5.91	34.33	27.056	101.3	0.781												
550	6.13	34.34	27.036	103.2	0.876	550	5.65	34.37	27.120	95.2	0.834												
600	5.83	34.37	27.098	97.3	0.930	600	5.48	34.38	27.149	92.5	0.885												
700	5.39	34.41	27.183	89.2	1.032	700	4.94	34.41	27.236	84.2	0.981												
800	4.90	34.43	27.257	82.3	1.126	800	4.54	34.44	27.305	77.7	1.070												
900	4.50	34.45	27.317	76.5	1.215	900	4.25	34.47	27.360	72.5	1.153												
1000	4.09	34.48	27.385	70.1	1.297	1000	3.94	34.49	27.408	67.9	1.232												

107050

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7507

107060

LATITUDE		LONGITUDE		MO/DAY/YR		START TIME				LATITUDE		LONGITUDE		MO/DAY/YR		START TIME							
29 50.5N		117 24.0W		07/01/75		1500 GMT				29 31.0N		118 02.0W		07/01/75		0938 GMT							
BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES				BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES			
2696M		340		17KT		0		340 4 5				3737M		340		14KT		0		340 4 5			
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD												
0	16.06	33.62	24.694	325.8	0.000	0	15.79	33.48	24.648	330.2	0.000												
10	15.46	33.61	24.821	313.7	0.031	10	15.79	33.48	24.648	330.2	0.033												
20	14.27	33.37	24.893	306.9	0.063	20	15.56	33.48	24.699	325.3	0.065												
30	13.66	33.33	24.988	297.8	0.093	30	14.91	33.51	24.864	309.6	0.097												
40	13.23	33.35	25.091	288.0	0.122	40	14.28	33.43	24.937	302.7	0.128												
50	13.22	33.43	25.155	282.0	0.151	50	14.41	33.53	24.987	297.9	0.158												
75	12.39	33.49	25.364	262.0	0.219	75	12.76	33.49	25.292	268.9	0.229												
100	11.06	33.55	25.657	234.1	0.282	100	11.50	33.51	25.547	244.7	0.294												
125	9.90	33.68	25.960	205.4	0.337	125	10.56	33.63	25.808	219.8	0.353												
150	9.58	33.80	26.106	191.5	0.388	150	9.89	33.85	26.094	192.6	0.405												
175	9.14	33.92	26.271	175.8	0.434	175	9.59	34.02	26.276	175.3	0.452												
200	8.73	34.05	26.438	160.0	0.477	200	9.44	34.15	26.402	163.4	0.495												
225	8.18	34.04	26.514	152.7	0.517	225	9.33	34.24	26.490	155.0	0.536												
250	7.92	34.09	26.592	145.3	0.556	250	9.24	34.30	26.552	149.1	0.575												
275	7.57	34.12	26.667	138.2	0.592	275	9.17	34.35	26.602	144.3	0.613												
300	7.20	34.12	26.719	133.2	0.627	300	9.03	34.38	26.648	140.0	0.650												
350	7.04	34.23	26.828	122.9	0.694	350	8.52	34.40	26.744	130.9	0.721												
400	6.51	34.24	26.908	115.4	0.756	400	8.02	34.39	26.812	124.4	0.788												
450	6.53	34.33	26.976	108.9	0.815	450	7.54	34.39	26.883	117.7	0.852												
500	6.23	34.34	27.023	104.4	0.872	500	6.83	34.33	26.936	112.7	0.914												
550	5.68	34.35	27.101	97.1	0.926	550	6.43	34.36	27.013	105.4	0.972												
600	5.49	34.38	27.148	92.6	0.977	600	6.15	34.38	27.065	100.4	1.028												
700	4.95	34.42	27.243	83.6	1.073	700	5.51	34.40	27.161	91.4	1.132												
800	4.57	34.43	27.294	78.8	1.162	800	4.99	34.42	27.238	84.0	1.229												
900	4.27	34.46	27.350	73.4	1.247	900	4.46	34.45	27.322	76.1	1.318												
1000	3.98	34.49	27.404	68.3	1.326	1000	4.01	34.49	27.401	68.6	1.399												

107070						RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7507						107080					
LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME	
29 11.0N		118 40.5W		07/01/75		0345 GMT		28 50.5N		119 17.5W		06/30/75		2220 GMT		29 11.0N		118 40.5W		07/01/75		0345 GMT	
BOTTOM		WIND SPEED		WEATHR		DOMINANT WAVES		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES	
2980M		350 15KT		0		350 4		3737M		350 14KT		0		350 6 5		2980M		350 15KT		0		350 4	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	16.68	33.67	24.590	335.7	0.000	0	17.15	33.82	24.594	335.3	0.000	0	17.15	33.82	24.594	335.3	0.000	0	17.15	33.82	24.594	335.3	0.000
10	16.62	33.67	24.604	334.4	0.033	10	17.07	33.82	24.613	333.5	0.033	10	17.07	33.82	24.613	333.5	0.033	10	17.07	33.82	24.613	333.5	0.033
20	16.03	33.64	24.716	323.7	0.066	20	17.03	33.83	24.630	331.9	0.066	20	17.03	33.83	24.630	331.9	0.066	20	17.03	33.83	24.630	331.9	0.066
30	15.21	33.58	24.853	310.7	0.098	30	16.71	33.83	24.705	324.7	0.098	30	16.71	33.83	24.705	324.7	0.098	30	16.71	33.83	24.705	324.7	0.098
40	14.06	33.53	25.060	291.0	0.128	40	16.21	33.83	24.820	313.7	0.128	40	16.21	33.83	24.820	313.7	0.128	40	16.21	33.83	24.820	313.7	0.128
50	12.61	33.47	25.106	286.5	0.157	50	16.06	33.81	24.839	311.9	0.157	50	16.06	33.81	24.839	311.9	0.157	50	16.06	33.81	24.839	311.9	0.157
75	12.37	33.53	25.399	258.7	0.226	75	15.75	33.88	24.963	300.2	0.226	75	15.75	33.88	24.963	300.2	0.226	75	15.75	33.88	24.963	300.2	0.226
100	11.34	33.57	25.622	237.5	0.288	100	14.66	33.88	25.202	277.4	0.288	100	14.66	33.88	25.202	277.4	0.288	100	14.66	33.88	25.202	277.4	0.288
125	10.44	33.65	25.844	216.4	0.345	125	13.01	33.74	25.436	255.2	0.345	125	13.01	33.74	25.436	255.2	0.345	125	13.01	33.74	25.436	255.2	0.345
150	10.04	33.78	26.014	200.2	0.398	150	11.94	33.71	25.620	237.7	0.398	150	11.94	33.71	25.620	237.7	0.398	150	11.94	33.71	25.620	237.7	0.398
175	9.44	33.94	26.239	178.9	0.446	175	10.88	33.78	25.868	214.1	0.446	175	10.88	33.78	25.868	214.1	0.446	175	10.88	33.78	25.868	214.1	0.446
200	9.20	34.06	26.371	166.3	0.491	200	9.93	33.89	26.118	190.3	0.491	200	9.93	33.89	26.118	190.3	0.491	200	9.93	33.89	26.118	190.3	0.491
225	9.01	34.14	26.464	157.5	0.532	225	9.11	33.91	26.269	176.0	0.532	225	9.11	33.91	26.269	176.0	0.532	225	9.11	33.91	26.269	176.0	0.532
250	8.75	34.16	26.521	152.1	0.572	250	8.91	34.02	26.386	164.9	0.572	250	8.91	34.02	26.386	164.9	0.572	250	8.91	34.02	26.386	164.9	0.572
275	8.35	34.17	26.590	145.5	0.610	275	8.39	34.04	26.483	155.7	0.610	275	8.39	34.04	26.483	155.7	0.610	275	8.39	34.04	26.483	155.7	0.610
300	8.08	34.21	26.663	138.6	0.647	300	8.09	34.07	26.551	149.2	0.647	300	8.09	34.07	26.551	149.2	0.647	300	8.09	34.07	26.551	149.2	0.647
350	7.61	34.26	26.771	128.4	0.717	350	7.37	34.10	26.680	137.0	0.717	350	7.37	34.10	26.680	137.0	0.717	350	7.37	34.10	26.680	137.0	0.717
400	6.95	34.26	26.864	119.5	0.782	400	6.88	34.14	26.779	127.6	0.782	400	6.88	34.14	26.779	127.6	0.782	400	6.88	34.14	26.779	127.6	0.782
450	6.73	34.30	26.926	113.7	0.843	450	6.36	34.19	26.888	117.2	0.843	450	6.36	34.19	26.888	117.2	0.843	450	6.36	34.19	26.888	117.2	0.843
500	6.34	34.34	27.009	105.8	0.901	500	6.04	34.22	26.953	111.1	0.901	500	6.04	34.22	26.953	111.1	0.901	500	6.04	34.22	26.953	111.1	0.901
550	6.00	34.37	27.076	99.4	0.956	550	5.77	34.27	27.026	104.1	0.956	550	5.77	34.27	27.026	104.1	0.956	550	5.77	34.27	27.026	104.1	0.956
600	5.41	34.34	27.126	94.7	1.009	600	5.49	34.31	27.092	97.9	1.009	600	5.49	34.31	27.092	97.9	1.009	600	5.49	34.31	27.092	97.9	1.009
700	5.17	34.40	27.201	87.5	1.107	700	5.20	34.39	27.190	88.6	1.107	700	5.20	34.39	27.190	88.6	1.107	700	5.20	34.39	27.190	88.6	1.107
800	4.74	34.43	27.275	80.6	1.200	800	4.74	34.41	27.259	82.1	1.200	800	4.74	34.41	27.259	82.1	1.200	800	4.74	34.41	27.259	82.1	1.200
900	4.34	34.46	27.343	74.1	1.286	900	4.43	34.46	27.333	75.1	1.286	900	4.43	34.46	27.333	75.1	1.286	900	4.43	34.46	27.333	75.1	1.286
1000	3.94	34.48	27.401	68.6	1.366	1000	4.06	34.49	27.396	69.1	1.366	1000	4.06	34.49	27.396	69.1	1.366	1000	4.06	34.49	27.396	69.1	1.366

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7507						107090																	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME							
28 27.0N		120 00.0W		6/30/75		1641		3926M		350 17KT		1		340 3 8		28 27.0N		120 00.0W		06/30/75		1553 GMT							
Z	T	S	Q2	Q4	S103	Q02	Q03	DT	Z	T	S	Q2	SIGT	DT	DD	Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD		
0	17.67	33.939	5.56					338.5	0	17.67	33.939	5.56	24.560	338.5	0.000	0	17.67	33.939	5.56	24.560	338.5	0.000	0	17.67	33.939	5.56	24.560	338.5	0.000
10	17.66	33.936	5.57					338.5	10	17.66	33.936	5.57	24.560	338.5	0.033	10	17.66	33.936	5.57	24.560	338.5	0.033	10	17.66	33.936	5.57	24.560	338.5	0.033
20	17.58	33.934	5.60					336.8	20	17.61	33.935	5.58	24.570	337.6	0.067	20	17.61	33.935	5.58	24.570	337.6	0.067	20	17.61	33.935	5.58	24.570	337.6	0.067
30	16.61	33.849	5.78					321.1	30	17.55	33.932	5.60	24.583	336.3	0.101	30	17.55	33.932	5.60	24.583	336.3	0.101	30	17.55	33.932	5.60	24.583	336.3	0.101
40	16.15	33.805	5.78					314.3	40	16.93	33.879	5.72	24.688	326.3	0.168	40	16.93	33.879	5.72	24.688	326.3	0.168	40	16.93	33.879	5.72	24.688	326.3	0.168
50	15.91	33.775	5.78					311.3	50	16.21	33.812	5.78	24.806	315.1	0.248	50	16.21	33.812	5.78	24.806	315.1	0.248	50	16.21	33.812	5.78	24.806	315.1	0.248
60	15.71	33.744	5.77					309.2	60	15.84	33.770	5.77	24.857	310.3	0.327	60	15.84	33.770	5.77	24.857	310.3	0.327	60	15.84	33.770	5.77	24.857	310.3	0.327
70	13.51	33.666	5.16					270.2	70	14.43	33.688	5.40	25.102	286.9	0.402	70	14.43	33.688	5.40	25.102	286.9	0.402	70	14.43	33.688	5.40	25.102	286.9	0.402
80	12.35	33.659	5.04					248.9	80	12.79	33.653	5.11	25.410	257.7	0.471	80	12.79	33.653	5.11	25.410	257.7	0.471	80	12.79	33.653	5.11	25.410	257.7	0.471
90	10.89	33.811	3.94					212.0	90	10.63	33.861	3.67	25.975	204.0	0.589	90	10.63	33.861	3.67	25.975	204.0	0.589	90	10.63	33.861	3.67	25.975	204.0	0.589
100	10.32	33.957	3.21					191.7	100	10.02	34.101	2.50	26.266	176.2	0.686	100	10.02	34.101	2.50	26.266	176.2	0.686	100	10.02	34.101	2.50	26.266	176.2	0.686
110	9.54	34.288	1.51					154.7	110	9.44	34.287	1.50	26.509	153.2	0.772	110	9.44	34.287	1.50	26.509	153.2	0.772	110	9.44	34.287	1.50	26.509	153.2	0.772
120	7.58	34.176	1.50					134.2	120	7.51	34.179	1.45	26.721	133.1	0.921	120	7.51	34.179	1.45	26.721	133.1	0.921	120	7.51	34.179	1.45	26.721	133.1	0.921
130	6.51	34.268	0.54					113.3	130	6.50	34.269	0.53	26.931	113.1	1.051	130	6.50	34.269	0.53	26.931	113.1	1.051	130	6.50	34.269	0.53	26.931	113.1	1.051
140	5.82	34.325	0.28					100.6	140	5.84	34.323	0.28	27.059	101.0	1.166	140	5.84	34.323	0.28	27.059	101.0	1.166	140	5.84	34.323	0.28	27.059	101.0	1.166
150	5.00	34.381	0.28					87.0	150	5.20	34.366	0.28	27.170	90.5	1.269	150	5.20	34.366	0.28	27.170	90.5	1.269	150	5.20	34.366	0.28	27.170	90.5	1.269
160	4.46	34.447	0.43					76.3	160	4.75	34.410	0.33	27.257	82.2	1.364	160	4.75	34.410	0.33	27.257	82.2	1.364	160	4.75	34.410	0.33	27.257	82.2	1.364
170	3.84	34.486																											

110032 RV ALEXANDER AGASSIZ
 LATITUDE 29 51.0N LONGITUDE 115 49.5W MO/DAY/YR 07/02/75 START TIME 1612 GMT
 BOTTOM 39M WIND 350 SPEED 9KT WEATHER 2 DOMINANT WAVES 310 4 6
 Z T S SIGMA T DT DD
 0 15.88 33.66 24.765 319.0 0.000
 10 15.78 33.65 24.780 317.6 0.031
 20 14.58 33.63 25.027 294.1 0.062
 30 17.39 33.52 25.190 278.6 0.091

CALCOFI CRUISE 7507 110033
 LATITUDE 29 50.0N LONGITUDE 115 52.0W MO/DAY/YR 07/02/75 START TIME 1955 GMT
 BOTTOM 76M WIND 350 SPEED 12KT WEATHER 1 DOMINANT WAVES 310 4 6
 Z T S SIGMA T DT DD
 0 16.44 33.66 24.638 331.1 0.000
 10 16.37 33.66 24.654 329.6 0.033
 20 15.51 33.61 24.810 314.8 0.065
 30 14.91 33.58 24.918 304.4 0.096
 40 13.84 33.48 25.067 290.3 0.126
 50 12.73 33.49 25.298 268.3 0.154
 75 11.16 33.60 25.678 232.1 0.217

110034 RV ALEXANDER AGASSIZ
 LATITUDE 29 48.5N LONGITUDE 115 55.5W MO/DAY/YR 07/02/75 START TIME 2053 GMT
 BOTTOM 558M WIND 340 SPEED 13KT WEATHER 1 DOMINANT WAVES 310 4 7
 Z T S SIGMA T DT DD
 0 17.00 33.68 24.522 342.1 0.000
 10 16.87 33.68 24.553 339.2 0.034
 20 16.74 33.69 24.591 335.6 0.067
 30 15.13 33.60 24.886 307.6 0.100
 40 14.67 33.58 24.970 299.5 0.130
 50 13.86 33.50 25.078 289.2 0.160
 75 17.00 33.55 25.484 250.6 0.228
 100 10.40 33.75 25.929 208.3 0.285
 125 5.57 33.91 26.194 183.2 0.335
 150 9.22 34.02 26.336 169.6 0.380
 175 8.77 34.06 26.439 159.8 0.422
 200 8.77 34.16 26.518 152.4 0.462
 225 8.47 34.17 26.572 147.2 0.500
 250 8.29 34.18 26.607 143.9 0.537
 275 8.70 34.31 26.646 140.2 0.574
 300 8.44 34.28 26.663 138.6 0.610
 350 8.02 34.31 26.750 130.3 0.681
 400 7.70 34.33 26.813 124.4 0.747
 450 7.06 34.34 26.912 115.0 0.811
 500 6.64 34.33 26.961 110.3 0.871

CALCOFI CRUISE 7507 110035
 LATITUDE 29 46.0N LONGITUDE 116 00.0W MO/DAY/YR 07/02/75 START TIME 2241 GMT
 BOTTOM 1169M WIND 330 SPEED 15KT WEATHER 1 DOMINANT WAVES 320 4 7
 Z T S SIGMA T DT DD
 0 17.01 33.69 24.528 341.6 0.000
 10 16.98 33.68 24.527 341.7 0.034
 20 16.81 33.67 24.559 338.6 0.068
 30 15.79 33.65 24.778 317.8 0.101
 40 15.21 33.58 24.853 310.7 0.132
 50 14.34 33.53 25.001 296.5 0.163
 75 12.47 33.56 25.402 258.4 0.232
 100 11.04 33.73 25.801 220.5 0.293
 125 10.05 33.84 26.059 195.9 0.345
 150 9.39 33.94 26.247 178.1 0.393
 175 9.02 33.99 26.345 168.8 0.437
 200 8.57 34.04 26.455 158.3 0.479
 225 8.19 34.05 26.521 152.1 0.519
 250 7.92 34.07 26.577 146.8 0.557
 275 7.93 34.12 26.614 143.2 0.594
 300 8.22 34.24 26.665 138.4 0.631
 350 7.70 34.25 26.750 130.3 0.701
 400 7.16 34.29 26.859 120.0 0.767
 450 6.92 34.32 26.915 114.6 0.829
 500 6.47 34.31 26.968 109.6 0.888
 550 6.09 34.32 27.026 104.2 0.945
 600 5.68 34.32 27.077 99.3 1.000
 700 5.14 34.38 27.189 88.7 1.102
 800 4.82 34.42 27.258 82.2 1.196
 900 4.43 34.44 27.317 76.6 1.284
 1000 4.02 34.48 27.392 69.4 1.366

110040 RV ALEXANDER AGASSIZ
 LATITUDE 29 36.5N LONGITUDE 116 19.5W MO/DAY/YR 07/03/75 START TIME 0204 GMT
 BOTTOM 2602M WIND 340 SPEED 15KT WEATHER 1 DOMINANT WAVES 330 4 5
 Z T S SIGMA T DT DD
 0 16.77 33.68 24.576 337.0 0.000
 10 16.56 33.68 24.625 332.3 0.033
 20 15.36 33.67 24.889 307.2 0.065
 30 14.97 33.65 24.959 300.6 0.095
 40 14.43 33.61 25.044 292.5 0.125
 50 13.43 33.60 25.243 273.5 0.154
 75 11.28 33.61 25.664 233.5 0.217
 100 10.30 33.72 25.923 208.9 0.273
 125 9.73 33.87 26.136 188.6 0.323
 150 9.34 34.03 26.325 170.7 0.369
 175 9.00 34.10 26.434 160.3 0.411
 200 8.75 34.12 26.490 155.1 0.452
 225 8.47 34.15 26.556 148.7 0.491
 250 8.17 34.18 26.625 142.1 0.528
 275 8.01 34.21 26.673 137.6 0.564
 300 7.80 34.24 26.728 132.5 0.599
 350 7.05 34.24 26.835 122.3 0.665
 400 6.78 34.24 26.872 118.8 0.729
 450 6.41 34.27 26.945 111.9 0.789
 500 6.16 34.32 27.016 105.1 0.847
 550 5.78 34.34 27.080 99.0 0.901
 600 5.49 34.37 27.140 93.4 0.953
 700 5.04 34.41 27.225 85.3 1.050
 800 4.61 34.43 27.289 79.2 1.141
 900 4.27 34.46 27.350 73.4 1.226
 1000 4.06 34.49 27.396 69.1 1.306

CALCOFI CRUISE 7507 110045
 LATITUDE 29 26.0N LONGITUDE 116 40.5W MO/DAY/YR 07/03/75 START TIME 0551 GMT
 BOTTOM 632M WIND 340 SPEED 12KT WEATHER 1 DOMINANT WAVES 330 4 5
 Z T S SIGMA T DT DD
 0 16.81 33.74 24.613 333.5 0.000
 10 16.80 33.74 24.615 333.3 0.033
 20 16.80 33.74 24.615 333.3 0.066
 30 15.26 33.59 24.849 311.0 0.099
 40 13.11 33.57 25.285 269.6 0.128
 50 12.34 33.57 25.435 255.2 0.154
 75 11.09 33.65 25.729 227.2 0.215
 100 9.95 33.83 26.068 195.1 0.268
 125 9.58 33.97 26.239 178.8 0.315
 150 9.20 34.06 26.371 166.3 0.359
 175 8.93 34.14 26.477 156.3 0.400
 200 8.56 34.13 26.527 151.5 0.440
 225 8.27 34.18 26.610 143.6 0.477
 250 8.10 34.21 26.660 138.9 0.514
 271 7.83 34.22 26.707 134.4 0.543

110050						RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7507						110055												
LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME								
29 16.5N		116 59.0W		07/03/75		0915 GMT		29 06.0N		117 18.5W		07/03/75		1233 GMT		29 06.0N		117 18.5W		07/03/75		1233 GMT								
BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
3357M		330		18KT		0				3641M		340		14KT		0				3641M		340		14KT		0				
Z	T	S	SIGMA T	DT	DU	Z	T	S	SIGMA T	DT	DU	Z	T	S	SIGMA T	DT	DU	Z	T	S	SIGMA T	DT	DU	Z	T	S	SIGMA T	DT	DU	
0	16.27	33.64	24.661	328.9	0.000	0	16.01	33.56	24.659	329.1	0.000	0	16.01	33.56	24.659	329.1	0.000	0	16.01	33.56	24.659	329.1	0.000	0	16.01	33.56	24.659	329.1	0.000	
10	16.27	33.64	24.661	328.9	0.032	10	16.02	33.56	24.657	329.3	0.032	10	16.02	33.56	24.657	329.3	0.032	10	16.02	33.56	24.657	329.3	0.032	10	16.02	33.56	24.657	329.3	0.032	
20	16.27	33.64	24.661	328.9	0.065	20	16.02	33.56	24.657	329.3	0.065	20	16.02	33.56	24.657	329.3	0.065	20	16.02	33.56	24.657	329.3	0.065	20	16.02	33.56	24.657	329.3	0.065	
30	16.26	33.64	24.663	328.7	0.098	30	16.02	33.56	24.657	329.3	0.098	30	16.02	33.56	24.657	329.3	0.098	30	16.02	33.56	24.657	329.3	0.098	30	16.02	33.56	24.657	329.3	0.098	
40	14.51	33.59	25.011	295.6	0.130	40	14.71	33.55	24.938	302.6	0.130	40	14.71	33.55	24.938	302.6	0.130	40	14.71	33.55	24.938	302.6	0.130	40	14.71	33.55	24.938	302.6	0.130	
50	13.78	33.54	25.126	284.7	0.159	50	14.15	33.52	25.034	293.5	0.160	50	14.15	33.52	25.034	293.5	0.160	50	14.15	33.52	25.034	293.5	0.160	50	14.15	33.52	25.034	293.5	0.160	
75	12.46	33.52	25.313	261.1	0.227	75	13.29	33.48	25.179	279.6	0.232	75	13.29	33.48	25.179	279.6	0.232	75	13.29	33.48	25.179	279.6	0.232	75	13.29	33.48	25.179	279.6	0.232	
100	10.74	33.56	25.722	228.0	0.289	100	11.94	33.56	25.503	248.8	0.299	100	11.94	33.56	25.503	248.8	0.299	100	11.94	33.56	25.503	248.8	0.299	100	11.94	33.56	25.503	248.8	0.299	
125	9.96	33.78	26.028	199.0	0.343	125	10.80	33.61	25.750	225.3	0.359	125	10.80	33.61	25.750	225.3	0.359	125	10.80	33.61	25.750	225.3	0.359	125	10.80	33.61	25.750	225.3	0.359	
150	9.31	33.92	26.244	178.4	0.391	150	10.00	33.78	26.021	199.6	0.412	150	10.00	33.78	26.021	199.6	0.412	150	10.00	33.78	26.021	199.6	0.412	150	10.00	33.78	26.021	199.6	0.412	
175	8.93	33.98	26.352	168.1	0.435	175	9.36	33.90	26.220	180.6	0.461	175	9.36	33.90	26.220	180.6	0.461	175	9.36	33.90	26.220	180.6	0.461	175	9.36	33.90	26.220	180.6	0.461	
200	8.81	34.08	26.449	158.9	0.477	200	8.89	34.02	26.389	164.6	0.505	200	8.89	34.02	26.389	164.6	0.505	200	8.89	34.02	26.389	164.6	0.505	200	8.89	34.02	26.389	164.6	0.505	
225	8.28	34.14	26.577	146.7	0.516	225	8.73	34.10	26.477	156.2	0.546	225	8.73	34.10	26.477	156.2	0.546	225	8.73	34.10	26.477	156.2	0.546	225	8.73	34.10	26.477	156.2	0.546	
250	8.33	34.20	26.617	143.0	0.553	250	8.24	34.13	26.576	146.9	0.585	250	8.24	34.13	26.576	146.9	0.585	250	8.24	34.13	26.576	146.9	0.585	250	8.24	34.13	26.576	146.9	0.585	
275	8.23	34.24	26.663	138.5	0.590	275	8.03	34.14	26.615	143.1	0.622	275	8.03	34.14	26.615	143.1	0.622	275	8.03	34.14	26.615	143.1	0.622	275	8.03	34.14	26.615	143.1	0.622	
300	7.82	34.26	26.740	131.2	0.625	300	7.95	34.19	26.666	138.3	0.659	300	7.95	34.19	26.666	138.3	0.659	300	7.95	34.19	26.666	138.3	0.659	300	7.95	34.19	26.666	138.3	0.659	
350	7.14	34.23	26.814	124.2	0.691	350	7.58	34.25	26.768	128.7	0.728	350	7.58	34.25	26.768	128.7	0.728	350	7.58	34.25	26.768	128.7	0.728	350	7.58	34.25	26.768	128.7	0.728	
400	6.86	34.27	26.884	117.6	0.754	400	7.02	34.26	26.855	120.4	0.794	400	7.02	34.26	26.855	120.4	0.794	400	7.02	34.26	26.855	120.4	0.794	400	7.02	34.26	26.855	120.4	0.794	
450	6.30	34.28	26.967	109.8	0.814	450	6.55	34.29	26.942	112.1	0.855	450	6.55	34.29	26.942	112.1	0.855	450	6.55	34.29	26.942	112.1	0.855	450	6.55	34.29	26.942	112.1	0.855	
500	6.24	34.34	27.022	104.5	0.871																									
550	5.84	34.35	27.081	99.0	0.926																									
600	5.57	34.38	27.138	93.6	0.978																									
700	4.99	34.42	27.238	84.0	1.074																									
800	4.57	34.44	27.302	78.0	1.163																									
900	4.22	34.47	27.363	72.2	1.247																									
1000	3.98	34.49	27.404	68.3	1.326																									

RV ALEXANDER AGASSIZ														CALCOFI CRUISE 7507														110060																	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME			
28 58.5N		117 39.0W		7/ 3/75		1608 GMT		3641M		340		12KT		1		340 3 5		28 58.5N		117 39.0W		07/03/75		1522 GMT		3641M		330		14KT		2		330 3 5		28 37.5N		118 19.0W		07/03/75		2105 GMT			
Z	T	S	D2	PO4	SIG3	NO2	NO3	DT	Z	T	S	D2	SIGT	DT	DD	Z	T	S	D2	SIGT	DT	DD	Z	T	S	D2	SIGT	DT	DD	Z	T	S	D2	SIGT	DT	DD	Z	T	S	D2	SIGT	DT	DD		
0	16.19	33.618	5.73					328.8	0	16.19	33.618	5.73	24.663	328.8	0.000	0	16.57	33.68	24.623	332.6	0.000	0	16.18	33.62	24.667	328.4	0.000	0	16.57	33.68	24.623	332.6	0.000	0	16.18	33.62	24.667	328.4	0.000	0	16.57	33.68	24.623	332.6	0.000
10	16.20	33.616	5.76					329.1	10	16.20	33.616	5.76	24.659	329.1	0.032	10	16.51	33.68	24.637	331.2	0.033	10	16.18	33.62	24.667	328.4	0.032	10	16.51	33.68	24.637	331.2	0.033	10	16.18	33.62	24.667	328.4	0.032	10	16.51	33.68	24.637	331.2	0.033
30	16.19	33.618	5.76					328.8	30	16.19	33.618	5.76	24.661	328.9	0.065	30	16.44	33.67	24.645	330.4	0.066	30	16.18	33.62	24.667	328.4	0.065	30	16.44	33.67	24.645	330.4	0.066	30	16.18	33.62	24.667	328.4	0.065	30	16.44	33.67	24.645	330.4	0.066
60	14.23	33.524	6.10					294.8	20	16.19	33.618	5.76	24.663	328.8	0.098	20	16.21	33.66	24.690	326.1	0.099	20	14.23	33.52	6.10	294.8	0.098	20	16.21	33.66	24.690	326.1	0.099	20	14.23	33.52	6.10	294.8	0.098	20	16.21	33.66	24.690	326.1	0.099
80	12.99	33.507	5.88					271.9	50	14.88	33.524	6.00	24.881	307.9	0.162	50	15.66	33.66	24.814	314.3	0.131	50	12.99	33.507	5.88	271.9	0.162	50	15.66	33.66	24.814	314.3	0.131	50	12.99	33.507	5.88	271.9	0.162	50	15.66	33.66	24.814	314.3	0.131
95	11.90	33.528	5.10					250.4	75	13.30	33.511	5.93	25.199	277.7	0.236	75	13.43	33.51	25.174	280.1	0.236	75	11.90	33.528	5.10	250.4	0.236	75	13.43	33.51	25.174	280.1	0.236	75	11.90	33.528	5.10	250.4	0.236	75	13.43	33.51	25.174	280.1	0.236
109	11.31	33.570	4.68					237.0	100	11.66	33.542	4.93	25.541	245.2	0.302	100	11.69	33.53	25.527	246.5	0.302	100	11.31	33.570	4.68	237.0	0.302	100	11.69	33.53	25.527	246.5	0.302	100	11.31	33.570	4.68	237.0	0.302	100	11.69	33.53	25.527	246.5	0.302
139	10.24	33.727	3.82					207.4	125	10.69	33.649	4.18	25.799	220.7	0.361	125	10.19	33.74	25.957	205.6	0.416	125	10.24	33.727	3.82	207.4	0.361	125	10.19	33.74	25.957	205.6	0.416	125	10.24	33.727	3.82	207.4	0.361	125	10.19	33.74	25.957	205.6	0.416
164	9.73	33.856	3.45					189.7	150	10.00	33.788	3.62	26.026	199.0	0.414	150	9.36	33.89	26.213																										

110080		RV ALF XANDER AGASSIZ				
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
28 16.5N	118 56.0W	07/04/75	0237 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
3926M	340	11KT	2	330 3 6		
Z	T	S	SIGMA T	DT	DD	
0	16.77	33.70	24.592	335.5	0.000	
10	16.77	33.70	24.592	335.5	0.033	
20	16.76	33.70	24.594	335.3	0.067	
30	16.71	33.70	24.606	334.2	0.100	
40	16.67	33.70	24.615	333.3	0.134	
50	16.01	33.71	24.774	318.2	0.166	
75	15.16	33.68	24.940	302.3	0.244	
100	13.16	33.53	25.244	273.5	0.317	
125	11.94	33.54	25.488	250.2	0.383	
150	10.36	33.66	25.866	214.3	0.442	
175	9.59	33.85	26.144	187.9	0.493	
200	9.27	33.95	26.274	175.5	0.539	
225	8.88	34.01	26.383	165.2	0.583	
250	8.72	34.10	26.479	156.1	0.624	
275	8.46	34.17	26.573	147.1	0.663	
300	7.97	34.14	26.624	142.3	0.701	
350	7.55	34.22	26.748	130.5	0.772	
400	7.30	34.29	26.839	121.9	0.838	
450	6.79	34.31	26.925	113.7	0.900	
500	6.39	34.32	26.987	107.9	0.959	
550	6.08	34.35	27.050	101.8	1.015	
600	5.78	34.36	27.096	97.5	1.069	
700	5.25	34.41	27.200	87.7	1.170	
800	4.85	34.44	27.270	81.0	1.262	
900	4.45	34.46	27.331	75.3	1.350	
1000	4.09	34.49	27.393	69.4	1.431	

CALCOFI CRUISE 7507		113029				
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
29 24.5N	115 13.5W	07/05/75	1632 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32M	280	7KT	0	280 1 3		
Z	T	S	SIGMA T	DT	DD	
0	15.86	33.78	24.862	309.8	0.000	
10	11.54	33.77	25.737	226.5	0.026	
20	11.43	33.78	25.769	223.5	0.049	
25	11.36	33.78	25.781	222.3	0.060	

113030		RV ALF XANDER AGASSIZ				
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
29 22.0N	115 18.0W	07/05/75	1527 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
62M	300	8KT	0	320 2 3		
Z	T	S	SIGMA T	DT	DD	
0	15.40	33.80	24.980	298.6	0.000	
10	17.63	33.75	25.518	247.4	0.027	
20	11.63	33.80	25.747	225.6	0.051	
30	10.84	33.80	25.891	211.9	0.072	
40	10.62	33.82	25.945	206.8	0.093	
50	10.48	33.89	26.024	199.3	0.114	

CALCOFI CRUISE 7507		113031				
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
29 20.0N	115 21.5W	07/05/75	1425 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
93M	340	14KT		330 3 6		
Z	T	S	SIGMA T	DT	DD	
0	14.26	33.80	25.226	275.1	0.000	
10	13.94	33.76	25.262	271.7	0.027	
20	12.29	33.76	25.592	240.3	0.053	
30	10.89	33.83	25.905	210.6	0.075	
40	10.43	33.90	26.040	197.7	0.096	
50	10.39	33.92	26.063	195.6	0.115	
67	10.33	33.94	26.089	193.1	0.149	

113032		RV ALF XANDER AGASSIZ				
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
29 18.0N	115 25.5W	07/05/75	1329 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
112M	330	10KT		330 2 6		
Z	T	S	SIGMA T	DT	DD	
0	15.02	33.62	24.925	303.8	0.000	
10	14.98	33.62	24.934	303.0	0.030	
20	14.48	33.59	25.018	295.0	0.060	
30	13.23	33.56	25.253	272.6	0.088	
40	12.27	33.60	25.472	251.8	0.115	
50	11.33	33.78	25.787	221.8	0.138	
75	10.12	33.98	26.156	186.7	0.190	
100	9.94	34.11	26.288	174.2	0.235	

CALCOFI CRUISE 7507		113035				
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
29 13.5N	115 37.0W	07/05/75	1047 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
1056M	330	12KT		330 2		
Z	T	S	SIGMA T	DT	DD	
0	17.05	33.70	24.526	341.8	0.000	
10	17.05	33.70	24.526	341.8	0.034	
20	17.05	33.70	24.526	341.8	0.068	
30	16.71	33.69	24.598	334.9	0.102	
40	15.46	33.66	24.859	310.1	0.134	
50	15.17	33.62	24.892	306.9	0.165	
75	13.80	33.53	25.114	285.8	0.240	
100	11.96	33.54	25.484	250.6	0.307	
125	10.82	33.67	25.793	221.2	0.367	
150	9.81	33.83	26.092	192.9	0.419	
175	9.37	33.96	26.265	176.3	0.466	
200	8.88	34.04	26.407	162.9	0.510	
225	8.95	34.18	26.505	153.6	0.550	
250	8.99	34.25	26.553	149.0	0.589	
275	8.48	34.24	26.625	142.2	0.627	
300	8.60	34.31	26.661	138.7	0.663	
350	8.04	34.31	26.744	130.9	0.734	
400	7.38	34.30	26.835	122.2	0.800	
450	7.00	34.31	26.897	116.4	0.863	
500	6.55	34.30	26.950	111.4	0.924	
550	6.26	34.31	26.996	107.0	0.982	
600	5.93	34.34	27.062	100.8	1.038	
700	5.38	34.39	27.169	90.6	1.142	
800	4.98	34.42	27.239	83.9	1.238	
900	4.51	34.45	27.316	76.6	1.327	

113040 RV ALEXANDER AGASSIZ

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
29 03.0N	115 56.0W	07/05/75	0733 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
2042M	330	12KT	0	330	
Z	T	S	SIGMA T	DT	DD
0	17.05	33.74	24.556	338.9	0.000
10	16.90	33.73	24.584	336.2	0.033
20	16.83	33.72	24.593	335.4	0.067
30	15.66	33.70	24.845	311.4	0.099
40	15.16	33.64	24.910	305.2	0.130
50	14.86	33.59	24.936	302.7	0.161
75	14.53	33.57	24.992	297.4	0.236
100	13.14	33.52	25.240	273.8	0.308
125	11.77	33.61	25.574	242.1	0.373
150	11.16	33.70	25.756	224.8	0.433
175	10.10	33.80	26.019	199.7	0.487
200	9.70	33.94	26.196	183.0	0.535
225	9.26	34.04	26.346	168.7	0.580
250	9.64	34.28	26.470	156.9	0.622
275	9.11	34.26	26.542	150.1	0.662
300	8.38	34.18	26.594	145.2	0.700
350	7.63	34.18	26.705	134.6	0.773
400	7.24	34.24	26.801	125.5	0.841
450	6.86	34.30	26.908	115.3	0.905
500	6.43	34.31	26.973	109.1	0.964
550	6.01	34.32	27.036	103.2	1.021
600	5.83	34.34	27.074	99.6	1.075
700	5.22	34.39	27.188	88.8	1.178
800	4.88	34.43	27.259	82.1	1.272
900	4.52	34.46	27.323	76.0	1.360
1000	4.12	34.49	27.390	69.7	1.442

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 51.5N	116 16.5W	07/05/75	0426 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
1912M	340	10KT	0	2	
Z	T	S	SIGMA T	DT	DD
0	17.35	33.73	24.478	346.4	0.000
10	17.28	33.73	24.494	344.8	0.034
20	17.18	33.73	24.518	342.5	0.068
30	17.17	33.73	24.520	342.3	0.103
40	16.28	33.72	24.720	323.3	0.136
50	15.43	33.69	24.889	307.2	0.168
75	14.61	33.58	24.982	298.3	0.244
100	13.41	33.53	25.194	278.2	0.317
125	12.50	33.56	25.397	258.9	0.385
150	11.27	33.64	25.689	231.1	0.447
175	10.33	33.83	26.003	201.2	0.502
200	9.89	33.96	26.179	184.5	0.551
225	9.78	34.11	26.315	171.6	0.596
250	9.55	34.19	26.415	162.1	0.639
275	9.35	34.26	26.503	153.8	0.680
300	9.11	34.28	26.557	148.6	0.719
350	8.59	34.31	26.663	138.6	0.794
400	7.70	34.29	26.781	127.3	0.864
450	6.89	34.27	26.880	118.0	0.929
500	6.48	34.31	26.967	109.8	0.989
550	6.22	34.34	27.025	104.3	1.047
600	6.01	34.39	27.091	98.0	1.101

RV ALEXANDER AGASSIZ

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME						
28 41.5N	116 37.0W	7/ 5/75	0120 GMT						
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
3584M	340	10KT	1	320 3 6					
Z	T	S	O2	P04	SIG3	N02	N03	DT	DD
0	17.49	33.747	5.60					348.3	0.000
9	17.23	33.733	5.65					343.4	0.034
28	16.06	33.679	5.89					321.5	0.068
56	15.58	33.656	5.93					312.9	0.100
74	15.35	33.653	5.92					308.3	0.164
88	14.76	33.606	5.91					299.5	0.242
102	13.92	33.539	6.04					287.5	0.317
130	12.33	33.593	5.62					253.4	0.387
154	10.98	33.716	4.33					220.5	0.448
181	10.15	33.847	3.37					197.1	0.552
213	10.07	34.145	2.11					173.7	0.640
281	8.59	34.178	1.89					148.4	0.719
376	7.39	34.207	1.17					129.3	0.859
475	6.52	34.268	0.54					113.4	0.983
576	5.74	34.307	0.30					101.0	1.095
704	5.26	34.398	0.21					88.7	1.196
853	4.64	34.446	0.33					78.3	1.290
1017	4.01	34.490	0.51					68.6	1.460

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 22.0N	117 16.0W	07/04/75	1931 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3545M	350	10KT	1	320 3 6	
Z	T	S	SIGMA T	DT	DD
0	16.98	33.73	24.565	338.0	0.000
10	16.93	33.73	24.577	336.9	0.033
20	16.92	33.73	24.580	336.7	0.067
30	16.90	33.73	24.584	336.2	0.101
40	16.21	33.72	24.736	321.7	0.134
50	15.41	33.69	24.893	306.8	0.165
75	14.16	33.54	25.047	292.2	0.241
100	12.53	33.55	25.383	260.2	0.310
125	11.08	33.66	25.739	226.3	0.372
150	10.39	33.83	25.993	202.7	0.426
175	10.16	34.05	26.204	182.2	0.475
200	9.57	34.16	26.388	164.6	0.519
225	9.73	34.31	26.479	156.1	0.561
250	9.13	34.24	26.523	151.9	0.600
275	9.00	34.33	26.614	143.2	0.638
300	9.23	34.42	26.647	140.1	0.675
350	8.61	34.47	26.785	127.0	0.745
400	7.78	34.41	26.864	119.5	0.810
450	7.29	34.42	26.942	112.1	0.872
500	6.66	34.37	26.990	107.6	0.930
550	6.24	34.39	27.061	100.8	0.986
600	5.97	34.40	27.104	96.8	1.039
700	5.42	34.43	27.195	88.1	1.140
800	4.88	34.44	27.267	81.3	1.234
900	4.40	34.46	27.336	74.8	1.321
1000	4.13	34.49	27.389	69.8	1.402

RV ALEXANDER AGASSIZ

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 41.0N	116 37.0W	07/05/75	0031 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3584M	340	10KT	1	320 3 6	
Z	T	S	SIGMA T	DT	DD
0	17.50	33.72	24.434	350.5	0.000
10	17.17	33.72	24.513	343.0	0.034
20	16.81	33.71	24.590	335.7	0.068
30	15.94	33.66	24.752	320.3	0.101
40	15.71	33.65	24.796	316.1	0.133
50	15.51	33.65	24.840	311.8	0.165
75	15.02	33.61	24.917	304.5	0.242
100	13.86	33.54	25.109	286.3	0.316
125	12.20	33.56	25.454	253.4	0.385
150	10.80	33.67	25.797	220.9	0.445
175	10.16	33.83	26.033	198.5	0.498
200	10.01	34.09	26.260	176.8	0.546
225	9.94	34.20	26.358	167.6	0.590
250	9.18	34.16	26.452	158.6	0.632
275	8.48	34.18	26.578	146.6	0.671
300	8.35	34.21	26.622	142.5	0.709
350	7.89	34.25	26.722	133.0	0.781
400	7.10	34.22	26.812	124.5	0.848
450	6.59	34.27	26.921	114.1	0.911
500	6.47	34.31	26.968	109.6	0.970
550	5.83	34.30	27.043	102.6	1.027
600	5.62	34.33	27.092	97.9	1.081
700	5.27	34.40	27.190	88.6	1.182
800	4.83	34.43	27.265	81.5	1.276
900	4.44	34.46	27.332	75.2	1.363
1000	4.04	34.49	27.398	68.9	1.444

CALCOFI CRUISE 7507

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 22.0N	117 16.0W	07/04/75	1931 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3545M	350	10KT	1	320 3 6	
Z	T	S	SIGMA T	DT	DD
0	16.98	33.73	24.565	338.0	0.000
10	16.93	33.73	24.577	336.9	0.033
20	16.92	33.73	24.580	336.7	0.067
30	16.90	33.73	24.584	336.2	0.101
40	16.21	33.72	24.736	321.7	0.134
50	15.41	33.69	24.893	306.8	0.165
75	14.16	33.54	25.047	292.2	0.241
100	12.53	33.55	25.383	260.2	0.310
125	11.08	33.66	25.739	226.3	0.372
150	10.39	33.83	25.993	202.7	0.426
175	10.16	34.05	26.204	182.2	0.475
200	9.57	34.16	26.388	164.6	0.519
225	9.73	34.31	26.479	156.1	0.561
250	9.13	34.24	26.523	151.9	0.600
275	9.00	34.33	26.614	143.2	0.638
300	9.23	34.42	26.647	140.1	0.675
350	8.61	34.47	26.785	127.0	0.745
400	7.78	34.41	26.864	119.5	0.810
450	7.29	34.42	26.942	112.1	0.872
500	6.66	34.37	26.990	107.6	0.930
550	6.24	34.39	27.061	100.8	0.986
600	5.97	34.40	27.104	96.8	1.039
700	5.42	34.43	27.195	88.1	1.140
800	4.88	34.44	27.267	81.3	1.2

113070 RV ALXANDER AGASSIZ

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 02.0N	117 55.0W	07/04/75	1405 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3355M	320	BKT	1	320 3 6	
Z	T	S	SIGMA T	DT	DD
0	17.12	33.71	24.517	342.6	0.000
10	17.12	33.71	24.517	342.6	0.034
20	17.10	33.71	24.522	342.2	0.068
30	16.83	33.69	24.570	337.6	0.102
40	16.11	33.67	24.721	323.2	0.135
50	15.56	33.66	24.837	312.2	0.167
75	14.71	33.61	24.984	298.2	0.244
100	12.69	33.53	25.336	264.6	0.315
125	11.16	33.63	25.701	229.9	0.377
150	10.47	33.71	25.886	212.4	0.433
175	9.89	33.93	26.156	186.7	0.484
200	9.14	33.99	26.326	170.6	0.530
225	8.76	34.04	26.425	161.1	0.572
250	8.19	34.08	26.544	149.9	0.612
275	8.18	34.19	26.632	141.5	0.650
300	8.25	34.31	26.715	133.6	0.686
350	7.56	34.26	26.778	127.6	0.754
400	6.96	34.27	26.871	118.9	0.818
450	6.77	34.33	26.944	112.0	0.879
500	6.36	34.34	27.006	106.0	0.937
550	5.94	34.35	27.068	100.2	0.992
600	5.67	34.38	27.126	94.7	1.045
700	5.24	34.42	27.209	86.8	1.144
800	4.75	34.44	27.282	79.9	1.235
900	4.34	34.47	27.350	73.4	1.321
1000	4.04	34.50	27.406	68.1	1.401

CALCOFI CRUISE 7507 113080

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
27 42.0N	118 33.0W	07/04/75	0804 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3832M	340	13KT	2	2	
Z	T	S	SIGMA T	DT	DD
0	16.86	33.66	24.540	340.5	0.000
10	16.86	33.66	24.540	340.5	0.034
20	16.86	33.66	24.540	340.5	0.068
30	16.31	33.65	24.660	329.0	0.101
40	15.51	33.65	24.840	311.8	0.133
50	15.01	33.62	24.927	303.6	0.164
75	13.35	33.51	25.190	278.6	0.237
100	11.75	33.54	25.524	246.9	0.304
125	10.43	33.70	25.885	212.5	0.362
150	9.84	33.84	26.094	192.6	0.413
175	9.52	33.98	26.257	177.2	0.460
200	9.09	34.09	26.412	162.4	0.504
225	8.71	34.13	26.504	153.7	0.544
250	8.16	34.12	26.580	146.5	0.583
275	8.03	34.17	26.639	140.9	0.620
300	7.71	34.20	26.709	134.2	0.655
350	7.44	34.28	26.811	124.5	0.723
400	6.80	34.26	26.885	117.6	0.786
450	6.36	34.29	26.967	109.8	0.846
500	6.13	34.34	27.036	103.2	0.903
550	5.86	34.36	27.086	98.4	0.957
600	5.58	34.38	27.137	93.7	1.008
700	5.15	34.42	27.220	85.8	1.106
800	4.78	34.45	27.286	79.5	1.197
900	4.37	34.47	27.347	73.7	1.283
1000	4.04	34.49	27.398	68.9	1.363

117025 RV ALXANDER AGASSIZ

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 58.0N	114 37.0W	07/06/75	0503 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
47M	320	10KT	0		
Z	T	S	SIGMA T	DT	DD
0	16.85	33.78	24.634	331.5	0.000
10	15.06	33.74	25.008	295.9	0.031
20	12.03	33.73	25.618	237.9	0.058
30	11.59	33.75	25.716	228.5	0.081
40	11.04	33.75	25.816	219.0	0.103
45	10.85	33.81	25.897	211.4	0.114

CALCOFI CRUISE 7507 117026

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 55.5N	114 41.0W	07/06/75	0405 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
71M	300	10KT	0		
Z	T	S	SIGMA T	DT	DD
0	16.98	33.83	24.642	330.7	0.000
10	16.46	33.78	24.725	322.8	0.032
20	12.71	33.73	25.487	250.3	0.061
30	11.21	33.77	25.801	220.5	0.085
40	10.51	33.82	25.964	204.9	0.106
50	10.13	33.95	26.131	189.1	0.126
65	10.18	33.99	26.153	187.0	0.154

117027 RV ALXANDER AGASSIZ

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 53.0N	114 44.0W	07/06/75	0300 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
78M	310	10KT	0	320 3 6	
Z	T	S	SIGMA T	DT	DD
0	16.48	33.81	24.743	321.1	0.000
10	16.31	33.80	24.775	318.1	0.031
20	14.72	33.72	25.066	290.3	0.062
30	12.01	33.72	25.614	238.2	0.088
40	10.93	33.81	25.882	212.7	0.111
50	10.10	33.88	26.082	193.8	0.132
64	10.01	34.03	26.214	181.2	0.158

CALCOFI CRUISE 7507 117028

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 51.5N	114 48.0W	07/06/75	0203 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
84M	320	10KT	0	320 3 6	
Z	T	S	SIGMA T	DT	DD
0	16.75	33.81	24.680	327.1	0.000
10	16.06	33.78	24.816	314.1	0.032
20	12.28	33.76	25.594	240.2	0.059
30	11.70	33.78	25.719	228.3	0.083
40	11.05	33.82	25.869	214.0	0.105
50	10.43	33.89	26.033	198.5	0.126
75	9.68	34.07	26.300	173.0	0.173

117030 RV ALXANDER AGASSIZ

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 48.0N	114 56.5W	07/06/75	0034 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
93M	310	14KT	0	310 2 4	
Z	T	S	SIGMA T	DT	DD
0	16.68	33.75	24.651	329.9	0.000
10	15.01	33.74	25.019	294.8	0.031
20	12.88	33.73	25.251	272.7	0.059
30	11.83	33.78	25.694	230.6	0.084
40	10.51	33.83	25.972	204.2	0.106
50	10.20	33.93	26.103	191.7	0.126
75	9.65	34.13	26.352	168.1	0.171
87	9.72	34.16	26.364	167.0	0.192

CALCOFI CRUISE 7507 117035

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 38.0N	115 16.0W	07/05/75	2200 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
187M	310	13KT	0	310 2 3	
Z	T	S	SIGMA T	DT	DD
0	16.96	33.79	24.616	333.2	0.000
10	13.81	33.79	25.312	266.9	0.030
20	12.91	33.81	25.509	248.2	0.055
30	12.43	33.82	25.611	238.5	0.080
40	11.44	33.82	25.798	220.8	0.103
50	10.65	33.83	25.948	206.5	0.124
75	10.04	33.97	26.162	186.2	0.174
100	9.44	34.04	26.316	171.5	0.219
125	8.82	34.10	26.463	157.6	0.261
150	8.76	34.21	26.558	148.5	0.299

117040						RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7507						117045					
LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME	
28 28.0N		115 35.5W		07/07/75		1358 GMT		28 18.0N		115 56.0W		07/07/75		1715 GMT		28 18.0N		115 56.0W		07/07/75		1715 GMT	
BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES	
966M		320 6KT		1		320 3 4		3718M		340 10KT		1		49 3 4		3718M		340 10KT		1		49 3 4	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	17.35	33.72	24.470	347.1	0.000	0	17.54	33.73	24.432	350.7	0.000	0	17.54	33.73	24.432	350.7	0.000	0	17.35	33.72	24.470	347.1	0.000
10	17.34	33.72	24.472	346.9	0.034	10	17.34	33.73	24.480	346.2	0.034	10	17.34	33.73	24.480	346.2	0.034	10	17.34	33.72	24.472	346.9	0.034
20	17.18	33.71	24.503	344.0	0.069	20	17.06	33.73	24.546	339.8	0.069	20	17.06	33.73	24.546	339.8	0.069	20	17.18	33.71	24.503	344.0	0.069
30	16.91	33.72	24.574	337.2	0.103	30	16.89	33.72	24.579	336.7	0.103	30	16.89	33.72	24.579	336.7	0.103	30	16.91	33.72	24.574	337.2	0.103
40	15.76	33.68	24.808	315.0	0.136	40	16.41	33.71	24.683	326.9	0.136	40	16.41	33.71	24.683	326.9	0.136	40	15.76	33.68	24.808	315.0	0.136
50	15.16	33.62	24.894	306.7	0.167	50	15.21	33.62	24.883	307.7	0.168	50	15.21	33.62	24.883	307.7	0.168	50	15.16	33.62	24.894	306.7	0.167
75	12.94	33.55	25.100	287.1	0.242	75	14.16	33.53	25.039	292.9	0.243	75	14.16	33.53	25.039	292.9	0.243	75	12.94	33.55	25.100	287.1	0.242
100	12.75	33.54	25.332	265.0	0.311	100	12.72	33.53	25.331	265.2	0.314	100	12.72	33.53	25.331	265.2	0.314	100	12.75	33.54	25.332	265.0	0.311
125	11.07	33.65	25.733	226.9	0.373	125	11.56	33.65	25.644	235.4	0.377	125	11.56	33.65	25.644	235.4	0.377	125	11.07	33.65	25.733	226.9	0.373
150	9.99	33.91	26.124	189.8	0.426	150	10.81	33.77	25.873	213.7	0.434	150	10.81	33.77	25.873	213.7	0.434	150	9.99	33.91	26.124	189.8	0.426
175	9.73	34.07	26.292	173.8	0.472	175	10.11	33.93	26.119	190.3	0.485	175	10.11	33.93	26.119	190.3	0.485	175	9.73	34.07	26.292	173.8	0.472
200	9.08	34.12	26.437	160.0	0.515	200	9.51	34.01	26.282	174.8	0.532	200	9.51	34.01	26.282	174.8	0.532	200	9.08	34.12	26.437	160.0	0.515
225	9.05	34.18	26.489	155.1	0.556	225	9.40	34.10	26.370	166.4	0.576	225	9.40	34.10	26.370	166.4	0.576	225	9.05	34.18	26.489	155.1	0.556
250	9.50	34.40	26.587	145.8	0.594	250	9.17	34.21	26.493	154.7	0.617	250	9.17	34.21	26.493	154.7	0.617	250	9.50	34.40	26.587	145.8	0.594
275	9.48	34.43	26.614	143.2	0.632	275	8.90	34.24	26.560	148.4	0.656	275	8.90	34.24	26.560	148.4	0.656	275	9.48	34.43	26.614	143.2	0.632
300	9.40	34.43	26.627	142.0	0.669	300	8.97	34.33	26.619	142.8	0.694	300	8.97	34.33	26.619	142.8	0.694	300	9.40	34.43	26.627	142.0	0.669
350	8.91	34.44	26.714	133.7	0.741	350	8.42	34.35	26.721	133.1	0.766	350	8.42	34.35	26.721	133.1	0.766	350	8.91	34.44	26.714	133.7	0.741
400	8.28	34.40	26.781	127.4	0.810	400	8.20	34.42	26.809	124.7	0.834	400	8.20	34.42	26.809	124.7	0.834	400	8.28	34.40	26.781	127.4	0.810
450	7.20	34.31	26.869	119.1	0.875	450	7.75	34.42	26.876	118.4	0.898	450	7.75	34.42	26.876	118.4	0.898	450	7.20	34.31	26.869	119.1	0.875
500	6.90	34.35	26.942	112.1	0.937	500	7.26	34.43	26.955	110.9	0.959	500	7.26	34.43	26.955	110.9	0.959	500	6.90	34.35	26.942	112.1	0.937
550	6.33	34.37	27.034	103.4	0.994	550	6.71	34.42	27.023	104.5	1.017	550	6.71	34.42	27.023	104.5	1.017	550	6.33	34.37	27.034	103.4	0.994
600	5.93	34.38	27.093	97.8	1.049	600	5.78	34.38	27.112	96.0	1.072	600	5.78	34.38	27.112	96.0	1.072	600	5.93	34.38	27.093	97.8	1.049
700	5.37	34.42	27.194	88.2	1.150	700	5.30	34.40	27.186	89.0	1.177	700	5.30	34.40	27.186	89.0	1.177	700	5.37	34.42	27.194	88.2	1.150
800	4.88	34.44	27.267	81.3	1.243	800	4.74	34.46	27.298	78.3	1.264	800	4.74	34.46	27.298	78.3	1.264	800	4.88	34.44	27.267	81.3	1.243
900	4.50	34.48	27.341	74.3	1.330	900	4.32	34.47	27.353	73.2	1.349	900	4.32	34.47	27.353	73.2	1.349	900	4.50	34.48	27.341	74.3	1.330
1000						1000	4.04	34.50	27.406	68.1	1.429	1000	4.04	34.50	27.406	68.1	1.429	1000					

117050						RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7507						117060					
LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME	
28 07.0N		116 15.5W		07/07/75		2018 GMT		27 48.0N		116 53.5W		07/08/75		0118 GMT		27 48.0N		116 53.5W		07/08/75		0118 GMT	
BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES	
3641M		340 10KT		1		340 3 6		3508M		330 12KT		2		330 5 6		3508M		330 12KT		2		330 5 6	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	17.76	33.73	24.379	355.8	0.000	0	16.98	33.68	24.527	341.7	0.000	0	16.98	33.68	24.527	341.7	0.000	0	17.76	33.73	24.379	355.8	0.000
10	17.58	33.73	24.423	351.6	0.035	10	16.72	33.66	24.573	337.3	0.033	10	16.72	33.66	24.573	337.3	0.033	10	17.58	33.73	24.423	351.6	0.035
20	17.12	33.72	24.525	341.9	0.070	20	16.00	33.63	24.715	323.8	0.067	20	16.00	33.63	24.715	323.8	0.067	20	17.12	33.72	24.525	341.9	0.070
30	16.94	33.71	24.560	338.6	0.104	30	15.21	33.62	24.883	307.7	0.098	30	15.21	33.62	24.883	307.7	0.098	30	16.94	33.71	24.560	338.6	0.104
40	16.11	33.71	24.751	320.3	0.137	40	14.36	33.62	25.066	290.3	0.128	40	14.36	33.62	25.066	290.3	0.128	40	16.11	33.71	24.751	320.3	0.137
50	15.31	33.69	24.915	304.7	0.168	50	13.97	33.59	25.125	284.8	0.157	50	13.97	33.59	25.125	284.8	0.157	50	15.31	33.69	24.915	304.7	0.168
75	14.33	33.59	25.049	291.9	0.243	75	12.50	33.58	25.412	257.4	0.225	75	12.50	33.58	25.412	257.4	0.225	75	14.33	33.59	25.049	291.9	0.243
100	12.91	33.53	25.293	268.7	0.314	100	10.88	33.67	25.783	222.2	0.286	100	10.88	33.67	25.783	222.2	0.286	100	12.91	33.53	25.293	268.7	0.314
125	11.52	33.64	25.644	235.4	0.378	125	10.34	33.89	26.048	197.0	0.339	125	10.34	33.89	26.048	197.0	0.339	125	11.52	33.64	25.644	235.4	0.378
150	10.70	33.88	25.978	203.7	0.433	150	9.61	34.04	26.288	174.1	0.386	150	9.61	34.04	26.288	174.1	0.386	150	10.70	33.88	25.978	203.7	0.433
175	10.24	33.98	26.135	188.7	0.483	175	9.93	34.28	26.422	161.5	0.429	175	9.93	34.28	26.422	161.5	0.429	175	10.24	33.98	26.135	188.7	0.483
200	9.40	34.06	26.339	169.4	0.529	200	9.68	34.30	26.479	156.0	0.469	200	9.68	34.30	26.479	156.0	0.469	200	9.40	34.06	26.339	169.4	0.529
225	9.63	34.21	26.418	161.9	0.571	225	9.18	34.31	26.569	147.5	0.508	225	9.18	34.31	26.569	147.5	0.508	225	9.63	34.21	26.418	161.9	0.571
250	9.01	34.20	26.511	153.0	0.612	250	9.05	34.34	26.614	143.3	0.546	250	9.05	34.34	26.614	143.3	0.546	250	9.01	34.20	26.511	153.0	0.612
275	8.84	34.22	26.553	149.0	0.651	275	8.82	34.37	26.674	137.6	0.582	275	8.82	34.37	26.674	137.6	0.582	275	8.84	34.22	26.553	149.0	0.651
300	8.89	34.29	26.600	144.5	0.689	300	8.51	34.38	26.730	132.2	0.617	300	8.51	34.38	26.730	132.2	0.617	300	8.89	34.29	26.600	144.5	0.689
350	8.14	34.29	26.716	133.5	0.762	350	8.35	34.47	26.825	123.2	0.684	350	8.35	34.47	26.825	123.2	0.684	350	8.14	34.29	26.716	133.5	0.762
400	7.66	34.30	26.795	126.1	0.830	400	8.03	34.46	26.866	119.3	0.748	400	8.03	34.46	26.866	119.3	0.748	400	7.66	34.30	26.795	126.1	0.830
450	7.59	34.40	26.884	117.6	0.894	450	7.41</																

117070		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7507				117080		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
27 27.5N	117 32.5W	07/08/75	0652 GMT			27 08.0N	118 10.0W	07/08/75	1200 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
3641M	360	4KT				3926M	340	10KT				
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	
0	17.65	33.76	24.429	351.0	0.000	0	17.36	33.67	24.430	351.0	0.000	
10	17.41	33.76	24.486	345.6	0.034	10	17.25	33.67	24.456	348.5	0.034	
20	17.28	33.77	24.525	341.9	0.069	20	16.73	33.66	24.570	337.6	0.069	
30	17.07	33.76	24.567	337.9	0.103	30	16.33	33.65	24.655	329.5	0.102	
40	16.46	33.74	24.694	325.8	0.136	40	15.71	33.64	24.788	316.8	0.135	
50	15.56	33.69	24.860	310.0	0.168	50	14.82	33.62	24.968	299.7	0.166	
75	15.07	33.70	24.975	299.0	0.245	75	13.63	33.51	25.133	284.0	0.239	
100	13.38	33.61	25.261	271.8	0.317	100	12.73	33.58	25.367	261.7	0.308	
125	11.66	33.62	25.602	239.4	0.381	125	11.27	33.60	25.658	234.1	0.370	
150	10.20	33.75	25.963	205.0	0.437	150	10.48	33.74	25.907	210.4	0.427	
175	8.56	33.85	26.149	187.4	0.487	175	9.81	33.83	26.092	192.9	0.478	
200	9.14	33.96	26.303	172.8	0.533	200	9.27	33.99	26.305	172.6	0.525	
225	8.73	34.02	26.414	162.2	0.576	225	9.14	34.10	26.412	162.4	0.568	
250	8.32	34.06	26.509	153.2	0.617	250	8.61	34.14	26.527	151.5	0.608	
275	7.92	34.09	26.592	145.3	0.655	275	8.54	34.22	26.600	144.5	0.646	
300	7.53	34.12	26.673	137.7	0.692	300	8.46	34.26	26.644	140.4	0.683	
350	7.47	34.24	26.775	127.9	0.761	350	7.14	34.17	26.767	128.7	0.753	
400	6.51	34.20	26.876	118.3	0.825	400	6.79	34.23	26.862	119.7	0.818	
450	6.34	34.27	26.954	111.0	0.886	450	6.44	34.26	26.933	113.0	0.879	
500	6.10	34.31	27.016	105.1	0.943	500	6.13	34.31	27.012	105.4	0.937	
550	5.65	34.32	27.081	99.0	0.997	550	5.94	34.37	27.084	98.6	0.992	
600	5.43	34.37	27.147	92.7	1.049	600	5.67	34.39	27.134	94.0	1.044	
700	5.11	34.43	27.232	84.6	1.145	700	5.07	34.42	27.229	84.9	1.141	
800	4.74	34.44	27.283	79.8	1.236	800	4.64	34.44	27.294	78.8	1.231	
900	4.34	34.47	27.350	73.4	1.321	900	4.25	34.47	27.360	72.5	1.315	
1000	4.01	34.50	27.409	67.8	1.401	1000	3.96	34.49	27.407	68.1	1.395	

118039		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7507				119033		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
28 18.5N	115 24.0W	07/07/75	1122 GMT			28 19.0N	114 53.0W	07/07/75	0713 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
270M	330	5KT				116M	300	11KT				
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	
0	15.61	33.64	24.810	314.7	0.000	0	16.87	33.72	24.584	336.3	0.000	
10	15.42	33.62	24.837	312.1	0.031	10	16.86	33.72	24.586	336.1	0.033	
20	14.55	33.58	24.995	297.1	0.061	20	16.76	33.72	24.609	333.9	0.067	
30	14.16	33.55	25.054	291.5	0.091	30	16.40	33.72	24.693	325.9	0.100	
40	13.25	33.54	25.233	274.5	0.119	40	15.81	33.71	24.819	313.9	0.132	
50	12.53	33.53	25.368	261.7	0.146	50	14.65	33.67	25.043	292.5	0.162	
75	11.21	33.64	25.700	230.1	0.208	75	10.63	33.79	25.920	209.2	0.225	
100	10.20	33.92	26.096	192.5	0.261	100	9.68	33.98	26.230	179.7	0.274	
125	8.63	34.04	26.285	174.5	0.308	112	9.62	34.00	26.256	177.3	0.296	
150	9.32	34.07	26.359	167.4	0.351							
175	9.12	34.08	26.399	163.6	0.393							
200	9.23	34.27	26.530	151.2	0.434							
217	9.25	34.31	26.558	148.5	0.460							

120022 ⁴		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7507				120022 ⁷		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
28 28.0N	114 04.5W	07/06/75	0948 GMT			28 27.5N	114 05.5W	07/06/75	1023 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
						22M	310	8KT	0			
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	
0	17.21	33.78	24.549	339.6	0.000	0	17.71	33.79	24.437	350.2	0.000	
5	15.42	33.72	24.914	304.8	0.016	10	14.98	33.74	25.026	294.2	0.032	
10	14.72	33.71	25.059	291.0	0.031	18	13.25	33.76	25.403	258.3	0.054	
15	13.87	33.76	25.276	270.3	0.045							

120023		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7507				120024		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			
28 27.0N	114 07.0W	07/06/75	1057 GMT			28 25.0N	114 10.5W	07/06/75	1145 GMT			
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26M	310	4KT	0			34M	300	6KT	0	270 1 2		
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	
0	17.77	33.78	24.415	352.4	0.000	0	17.32	33.79	24.531	341.3	0.000	
10	14.96	33.64	24.953	301.1	0.032	10	17.24	33.78	24.542	340.2	0.034	
20	12.70	33.74	25.497	249.4	0.060	20	12.76	33.72	25.470	252.0	0.063	
						30	11.39	33.77	25.768	223.6	0.087	

120025		RV ALF XANDER AGASSIZ			
LATITUDE	LONGITUDE	MO/D/Y/YYR	START TIME		
28 23.0N	114 15.0W	07/06/75	1233 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
60M	320	7KT	2	320 2 5	
Z	T	S	SIGMA T	DT	DD
0	17.61	33.84	24.499	344.3	0.000
10	17.61	33.84	24.499	344.3	0.034
20	14.25	33.77	25.205	277.1	0.065
30	11.34	33.79	25.793	221.2	0.090
40	10.74	33.83	25.932	208.0	0.112
50	10.47	33.86	26.002	201.3	0.132

CALCOFI CRUISE 7507		120026			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 21.0N	114 18.0W	07/06/75	1322 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
84M	310	7KT	2	290 2 6	
Z	T	S	SIGMA T	DT	DD
0	17.64	33.83	24.484	345.7	0.000
10	17.51	33.82	24.508	343.5	0.034
20	13.73	33.71	25.267	271.3	0.065
30	12.70	33.75	25.504	248.6	0.091
40	11.44	33.71	25.712	228.9	0.115
50	10.82	33.80	25.894	211.6	0.137
75	10.29	33.90	26.064	195.4	0.188

120030		RV ALF XANDER AGASSIZ			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 14.0N	114 34.5W	07/06/75	1523 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
93M	320	8KT	2	320 1 5	
Z	T	S	SIGMA T	DT	DD
0	16.48	33.79	24.728	322.5	0.000
10	16.32	33.78	24.757	319.8	0.032
20	14.87	33.73	25.042	292.6	0.062
30	13.33	33.71	25.348	263.5	0.090
40	12.46	33.62	25.451	253.8	0.116
50	11.33	33.61	25.655	234.3	0.141
75	10.51	33.84	25.980	203.5	0.196

CALCOFI CRUISE 7507		120035			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
28 03.0N	114 54.5W	07/06/75	1743 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
76M	340	8KT	1	340 2 4	
Z	T	S	SIGMA T	DT	DD
0	16.94	33.73	24.575	337.1	0.000
10	16.76	33.73	24.617	333.1	0.033
20	16.15	33.73	24.758	319.7	0.066
30	16.09	33.73	24.771	318.4	0.098
40	15.92	33.72	24.802	315.5	0.130
50	15.17	33.71	24.961	300.3	0.160
63	13.63	33.72	25.295	268.6	0.198

120040		RV ALF XANDER AGASSIZ			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
27 56.5N	115 14.0W	07/09/75	1746 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
39M	040	3KT	0	040 1 4	
Z	T	S	SIGMA T	DT	DD
0	17.21	33.85	24.603	334.5	0.000
10	16.98	33.84	24.649	330.0	0.033
20	15.09	33.82	25.063	290.6	0.064
30	13.81	33.77	25.297	268.4	0.092

CALCOFI CRUISE 7507		120045			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
27 46.5N	115 35.5W	07/09/75	1413 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
2135M	020	3KT	2	340 3 6	
Z	T	S	SIGMA T	DT	DD
0	17.72	33.74	24.396	354.1	0.000
10	17.72	33.74	24.396	354.1	0.035
20	17.67	33.74	24.409	353.0	0.070
30	15.26	33.64	24.888	307.3	0.103
40	14.09	33.60	25.108	286.4	0.133
50	13.49	33.63	25.254	272.5	0.161
75	11.31	33.72	25.744	225.9	0.224
100	10.50	34.08	26.168	185.6	0.276
125	10.93	34.27	26.239	178.8	0.322
150	10.55	34.39	26.400	163.5	0.366
175	10.45	34.48	26.488	155.2	0.406
200	10.38	34.52	26.531	151.1	0.446
225	10.17	34.53	26.575	146.9	0.484
250	9.97	34.53	26.610	143.6	0.522
275	9.68	34.54	26.666	138.2	0.558
300	9.40	34.52	26.697	135.3	0.594
350	8.87	34.49	26.760	129.4	0.664
400	8.16	34.44	26.830	122.7	0.730
450	7.33	34.41	26.929	113.4	0.793
500	7.14	34.44	26.979	108.6	0.852
550	6.64	34.44	27.048	102.1	0.909
600	6.23	34.44	27.102	97.0	0.963
700	5.54	34.44	27.189	88.7	1.064
800	4.93	34.46	27.277	80.4	1.157
900	4.41	34.48	27.351	73.4	1.243
1000	4.00	34.50	27.410	67.7	1.323

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
27 36.0N	115 55.0W	7/ 9/75	1048 GMT	3641M	340	6KT	2	340 2 2							
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	18.84	33.94	5.44					365.9	0	18.84	33.94	5.44	24.272	365.9	0.000
10	18.84	33.94	5.46					365.9	10	18.84	33.94	5.46	24.272	365.9	0.036
29	16.35	33.70	5.89					326.3	20	17.77	33.82	5.71	24.444	349.6	0.072
59	11.61	33.64	4.51					237.0	30	16.18	33.69	5.87	24.723	323.0	0.106
78	11.08	33.94	2.91					205.7	50	12.83	33.65	5.13	25.402	258.4	0.164
93	10.38	33.98	2.90					191.0	75	11.16	33.90	3.12	25.916	209.5	0.223
107	10.42	34.11	2.11					182.0	100	10.40	34.05	2.52	26.163	186.1	0.273
136	10.27	34.24	1.65					170.0	125	10.32	34.20	1.82	26.292	173.8	0.318
162	9.69	34.22	1.81					162.1	150	9.96	34.23	1.73	26.378	165.6	0.362
191	9.44	34.31	1.36					151.5	200	9.34	34.31	1.26	26.549	149.4	0.442
224	9.10	34.33	1.07					144.7	250	8.92	34.37	0.80	26.656	139.2	0.517
297	8.61	34.43	0.41					130.0	300	8.56	34.42	0.40	26.759	129.5	0.586
398	7.22	34.35	0.39					116.4	400	7.20	34.35	0.38	26.900	116.1	0.715
503	6.47	34.39	0.19					103.7	500	6.48	34.38	0.19	27.028	104.0	0.832
609	5.64	34.38	0.22					94.4	600	5.70	34.38	0.21	27.122	95.1	0.939
745	5.04	34.46	0.24					81.6	700	5.19	34.43	0.23	27.222	85.6	1.038
900	4.57	34.50	0.30					73.5	800	4.86	34.47	0.25	27.299	78.3	1.128
1066	4.00	34.53	0.49					65.5	1000	4.23	34.51	0.39	27.401	68.6	1.293

120050

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7507

120060

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME				
27 36.0N	115 55.0W	07/09/75	1004 GMT	27 15.5N	116 32.0W	07/09/75	0440 GMT				
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
3641M	340	6KT	2	340 2 2	3622M	340	10KT	0	340 3 5		
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	18.85	33.93	24.262	366.9	0.000	0	18.18	33.78	24.315	361.9	0.000
10	18.84	33.93	24.265	366.6	0.036	10	18.16	33.77	24.312	362.2	0.036
20	16.71	33.67	24.583	336.4	0.071	20	17.51	33.75	24.455	348.6	0.071
30	13.96	33.68	25.196	278.0	0.102	30	14.96	33.73	25.022	294.5	0.104
40	17.76	33.71	25.462	252.7	0.129	40	13.76	33.74	25.284	269.6	0.132
50	11.94	33.71	25.620	237.7	0.153	50	12.53	33.73	25.522	247.0	0.158
75	10.91	33.95	25.995	202.1	0.209	75	10.85	33.92	25.982	203.3	0.214
100	10.41	34.13	26.223	180.4	0.257	100	10.32	34.01	26.145	187.8	0.264
125	10.22	34.29	26.380	165.4	0.301	125	9.77	34.19	26.379	165.6	0.309
150	9.66	34.25	26.444	159.4	0.342	150	9.43	34.22	26.458	158.0	0.350
175	9.71	34.36	26.521	152.0	0.382	175	9.29	34.30	26.544	149.9	0.389
200	9.35	34.36	26.581	146.4	0.420	200	9.41	34.38	26.587	145.8	0.427
225	9.00	34.38	26.653	139.5	0.457	225	9.05	34.40	26.661	138.8	0.464
250	9.29	34.47	26.676	137.3	0.493	250	8.79	34.39	26.694	135.6	0.499
275	8.85	34.45	26.732	132.1	0.528	275	8.43	34.39	26.750	130.3	0.534
300	8.51	34.45	26.785	127.0	0.562	300	7.99	34.37	26.801	125.5	0.567
350	8.10	34.44	26.839	121.8	0.627	350	7.60	34.38	26.867	119.3	0.631
400	7.08	34.34	26.909	115.2	0.689	400	7.21	34.39	26.930	113.2	0.692
450	6.74	34.40	27.003	106.3	0.748	450	6.66	34.38	26.998	106.8	0.750
500	6.43	34.41	27.052	101.7	0.803	500	6.44	34.41	27.051	101.8	0.806
550	6.13	34.40	27.083	98.7	0.857	550	5.86	34.37	27.094	97.7	0.859
600	5.67	34.41	27.149	92.5	0.909	600	5.55	34.39	27.148	92.6	0.911
700	5.32	34.45	27.223	85.4	1.006	700	5.23	34.45	27.234	84.4	1.007
800	4.87	34.47	27.292	79.0	1.097	800	4.80	34.47	27.300	78.2	1.097
900	4.53	34.50	27.354	73.1	1.182	900	4.40	34.50	27.368	71.7	1.181
1000	4.14	34.52	27.411	67.6	1.262	1000	4.09	34.52	27.417	67.1	1.260

120070

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7507

120080

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME				
26 54.5N	117 09.5W	07/08/75	2301 GMT	26 31.5N	117 48.0W	07/08/75	1730 GMT				
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
3737M	350	9KT	2	350 3 6	3737M	330	13KT	2	360 3 5		
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	17.98	33.78	24.364	357.2	0.000	0	18.55	33.98	24.376	356.1	0.000
10	17.82	33.78	24.403	353.5	0.035	10	18.54	33.99	24.386	355.1	0.035
20	17.64	33.78	24.446	349.4	0.070	20	18.43	34.04	24.451	348.9	0.070
30	16.41	33.71	24.683	326.9	0.104	30	18.39	34.04	24.461	347.9	0.105
40	15.66	33.68	24.830	312.9	0.136	40	17.71	33.97	24.575	337.1	0.140
50	15.36	33.65	24.873	308.7	0.167	50	16.67	33.85	24.741	321.3	0.173
75	14.11	33.63	25.126	284.6	0.242	75	15.49	33.68	24.868	309.2	0.252
100	12.01	33.66	25.568	242.6	0.309	100	14.01	33.63	25.148	282.6	0.327
125	10.48	33.93	26.055	196.3	0.364	125	12.16	33.62	25.508	248.3	0.394
150	9.83	34.11	26.306	172.4	0.411	150	10.85	33.77	25.866	214.3	0.452
175	10.34	34.34	26.398	163.7	0.454	175	10.58	33.98	26.076	194.3	0.504
200	10.04	34.38	26.481	155.9	0.495	200	10.15	34.13	26.268	176.1	0.552
225	9.94	34.44	26.545	149.8	0.534	225	9.89	34.22	26.382	165.3	0.595
250	9.90	34.45	26.559	148.4	0.573	250	9.76	34.35	26.505	153.6	0.637
275	9.72	34.47	26.605	144.0	0.611	275	9.55	34.39	26.571	147.3	0.675
300	9.47	34.44	26.623	142.3	0.648	300	9.29	34.41	26.629	141.7	0.713
350	8.99	34.44	26.701	134.9	0.720	350	8.34	34.35	26.733	132.0	0.785
400	8.46	34.43	26.777	127.8	0.790	400	7.69	34.34	26.822	123.5	0.852
450	7.80	34.45	26.892	116.8	0.855	450	7.26	34.36	26.899	116.1	0.915
500	7.42	34.45	26.947	111.6	0.916	500	6.87	34.38	26.969	109.5	0.975
550	6.91	34.45	27.019	104.8	0.974	550	6.50	34.40	27.035	103.3	1.032
600	6.35	34.43	27.078	99.2	1.029	600	6.07	34.39	27.083	98.7	1.087
700	5.71	34.46	27.184	89.2	1.132	700	5.45	34.42	27.184	89.2	1.189
800	5.09	34.46	27.258	82.1	1.227	800	4.98	34.44	27.255	82.4	1.284
900	4.64	34.49	27.334	75.0	1.315	900	4.53	34.48	27.338	74.6	1.372
1000	4.24	34.50	27.385	70.1	1.397	1000	4.16	34.50	27.393	69.3	1.453

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123035 RV ALEXANDER AGASSIZ

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
27 26.5N	114 35.0W	07/09/75	2242 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
24M	310	5KT	0	270 2 6	
Z	T	S	SIGMA T	DT	DD
0	18.44	33.91	24.350	358.6	0.000
10	13.46	33.87	25.446	254.2	0.030
20	11.82	33.92	25.805	220.1	0.054

CALCOFI CRUISE 7507 123036

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
27 26.0N	114 36.0W	07/09/75	2321 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
47M	310	8KT	0	270 2 6	
Z	T	S	SIGMA T	DT	DD
0	16.53	33.84	24.755	320.0	0.000
10	14.18	33.76	25.212	276.5	0.029
20	11.81	33.84	25.745	225.8	0.054
30	10.76	33.93	26.006	201.0	0.076
40	10.49	33.98	26.092	192.8	0.096

123037 RV ALEXANDER AGASSIZ

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
27 24.0N	114 40.0W	07/10/75	0012 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
63M	300	9KT	0	270 2 6	
Z	T	S	SIGMA T	DT	DD
0	18.01	33.84	24.402	353.6	0.000
10	15.14	33.59	24.876	308.5	0.033
20	13.82	33.55	25.125	284.8	0.062
30	12.35	33.64	25.487	250.3	0.089
40	11.42	33.72	25.724	227.8	0.113
50	10.78	33.85	25.940	207.2	0.135

CALCOFI CRUISE 7507 123038

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
27 21.5N	114 44.5W	07/10/75	0106 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
78M	300	9KT	1	270 2 4	
Z	T	S	SIGMA T	DT	DD
0	18.60	33.72	24.165	376.2	0.000
10	16.20	33.69	24.716	323.7	0.035
20	15.52	33.65	24.838	312.1	0.066
30	14.77	33.59	24.956	300.9	0.097
40	13.72	33.58	25.169	280.6	0.126
50	13.32	33.61	25.273	270.6	0.154
69	11.42	33.78	25.770	223.3	0.201

123039 RV ALEXANDER AGASSIZ

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
27 20.0N	114 47.5W	07/10/75	0200 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
104M	300	9KT	2	290 2 4	
Z	T	S	SIGMA T	DT	DD
0	18.94	33.85	24.179	374.9	0.000
10	17.48	33.81	24.508	343.5	0.035
20	16.37	33.79	24.753	320.1	0.069
30	15.72	33.72	24.847	311.2	0.100
40	14.64	33.57	24.968	299.7	0.131
50	13.41	33.61	25.255	272.4	0.160
75	11.38	33.85	25.832	217.5	0.221
92	10.60	34.08	26.151	187.2	0.256

CALCOFI CRUISE 7507 123042

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
27 14.5N	114 59.5W	07/10/75	0345 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
1579M	310	9KT			
Z	T	S	SIGMA T	DT	DD
0	19.27	33.92	24.148	377.8	0.000
10	18.62	33.91	24.305	362.8	0.037
20	17.21	33.87	24.618	333.0	0.071
30	16.27	33.78	24.768	318.7	0.104
40	15.56	33.75	24.906	305.6	0.135
50	14.70	33.73	25.079	289.2	0.165
75	12.57	33.84	25.600	239.6	0.232
100	11.54	33.97	25.896	211.5	0.289
125	10.96	34.21	26.187	183.7	0.339
150	10.86	34.37	26.330	170.2	0.384
175	10.81	34.48	26.424	161.2	0.426
200	10.27	34.48	26.519	152.2	0.466
225	9.95	34.51	26.598	144.8	0.505
250	9.73	34.52	26.642	140.5	0.542
275	9.51	34.55	26.702	134.8	0.577
300	9.29	34.53	26.723	132.8	0.612
350	8.67	34.50	26.799	125.7	0.680
400	8.14	34.49	26.873	118.7	0.745
450	7.34	34.48	26.982	108.3	0.805
500	6.97	34.46	27.019	104.9	0.862
550	6.65	34.47	27.070	100.0	0.917
600	6.24	34.44	27.101	97.1	0.971
700	5.49	34.48	27.227	85.1	1.071
800	5.01	34.48	27.283	79.7	1.162
900	4.52	34.50	27.355	73.0	1.247
1000	4.15	34.52	27.410	67.7	1.327

123045 RV ALEXANDER AGASSIZ

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
27 08.0N	115 10.5W	07/10/75	0632 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
4116M	320	RKT			
Z	T	S	SIGMA T	DT	DD
0	18.94	33.78	24.125	380.0	0.000
10	18.33	33.75	24.255	367.6	0.037
20	17.60	33.67	24.372	356.5	0.013
30	14.76	33.67	25.019	294.8	0.106
40	12.84	33.67	25.415	257.1	0.133
50	12.08	33.69	25.578	241.7	0.159
75	10.57	33.90	26.016	200.0	0.214
100	10.12	34.05	26.210	181.5	0.262
125	9.68	34.17	26.378	165.6	0.306
150	9.58	34.24	26.449	158.9	0.348
175	9.53	34.34	26.536	150.7	0.387
200	9.29	34.36	26.590	145.4	0.425
225	9.17	34.39	26.633	141.4	0.462
250	9.09	34.41	26.662	138.7	0.498
275	8.75	34.44	26.739	131.3	0.533
300	8.53	34.45	26.782	127.3	0.567
350	7.90	34.41	26.846	121.2	0.632
400	7.44	34.39	26.897	116.3	0.695
450	6.69	34.35	26.970	109.4	0.754
500	6.52	34.39	27.025	104.3	0.811
550	6.20	34.41	27.082	98.8	0.866
600	5.91	34.42	27.127	94.6	0.918
700	5.30	34.45	27.226	85.2	1.016
800	4.78	34.46	27.294	78.7	1.107
900	4.44	34.51	27.371	71.4	1.191
1000	4.12	34.52	27.414	67.4	1.269

CALCOFI CRUISE 7507 123050

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
26 58.0N	115 30.5W	07/10/75	0942 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3451M	320	4KT			
Z	T	S	SIGMA T	DT	DD
0	18.47	33.82	24.274	365.8	0.000
10	18.34	33.81	24.298	363.5	0.036
20	18.03	33.77	24.344	359.1	0.072
30	16.06	33.75	24.793	316.3	0.106
40	13.36	33.76	25.381	260.4	0.135
50	12.05	33.81	25.676	232.3	0.160
75	10.56	33.96	26.064	195.4	0.214
100	9.93	34.07	26.258	177.0	0.261
125	9.70	34.25	26.437	160.0	0.303
150	9.48	34.26	26.481	155.8	0.343
175	9.23	34.30	26.553	149.0	0.382
200	9.02	34.33	26.611	143.5	0.420
225	8.78	34.34	26.657	139.2	0.456
250	8.60	34.35	26.693	135.8	0.492
275	8.43	34.39	26.750	130.3	0.526
300	8.19	34.39	26.787	126.8	0.560
350	7.59	34.40	26.884	117.6	0.624
400	7.18	34.41	26.950	111.3	0.684
450	6.72	34.41	27.013	105.3	0.741
500	6.45	34.41	27.050	101.9	0.797
550	6.14	34.45	27.122	95.1	0.850
600	5.78	34.44	27.159	91.5	0.900
700	5.18	34.47	27.256	82.4	0.995
800	4.73	34.48	27.315	76.7	1.083
900	4.34	34.49	27.366	71.9	1.166
1000	3.94	34.52	27.432	65.6	1.244

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7507 123060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 38.5N	116 09.0W	7/10/75	1508 GMT	3832M	050	5KT	2	270 2 5							
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	18.40	33.802	5.53					365.5	0	18.40	33.802	5.53	24.277	365.5	0.000
9	18.25	33.800	5.56					362.1	10	18.03	33.790	5.60	24.357	357.9	0.036
28	13.51	33.672	6.05					269.8	20	15.67	33.700	5.92	24.842	311.7	0.069
57	10.72	33.877	3.16					204.2	30	13.20	33.672	5.87	25.345	263.8	0.098
76	10.07	33.995	2.77					184.8	50	11.12	33.811	3.93	25.848	216.0	0.146
90	9.88	34.065	2.45					176.6	75	10.08	33.990	2.77	26.169	185.5	0.197
104	9.81	34.140	2.15					169.9	100	9.82	34.120	2.23	26.315	171.7	0.242
132	9.70	34.244	1.72					160.5	125	9.72	34.222	1.81	26.411	162.5	0.284
155	9.64	34.314	1.33					154.3	150	9.66	34.302	1.40	26.484	155.6	0.325
183	9.23	34.325	1.16					147.1	200	9.25	34.370	0.92	26.605	144.1	0.401
216	9.27	34.405	0.70					141.8	250	8.98	34.405	0.58	26.676	137.4	0.474
290	8.44	34.404	0.46					129.4	300	8.27	34.398	0.43	26.780	127.5	0.543
382	7.03	34.358	0.31					113.2	400	6.86	34.362	0.27	26.956	110.8	0.668
483	6.33	34.398	0.16					101.3	500	6.25	34.406	0.15	27.072	99.8	0.780
584	5.91	34.442	0.13					92.9	600	5.79	34.444	0.13	27.160	91.4	0.883
715	5.00	34.451	0.23					81.8	700	5.10	34.451	0.21	27.249	83.0	0.978
866	4.48	34.486	0.35					73.6	800	4.67	34.470	0.29	27.314	76.8	1.066
1032	3.94	34.517	0.53					65.9	1000	4.04	34.512	0.49	27.415	67.3	1.228

123060 RV ALEXANDER AGASSIZ

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
26 38.5N	116 09.0W	07/10/75	1425 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3832M	050	5KT	2	270 2 5	
Z	T	S	SIGMA T	DT	DD
0	18.42	33.80	24.271	366.1	0.000
10	18.02	33.78	24.354	358.2	0.036
20	16.71	33.69	24.598	334.9	0.070
30	17.81	33.67	25.421	256.6	0.100
40	11.86	33.77	25.681	231.8	0.125
50	10.74	33.87	25.963	205.1	0.147
75	10.05	34.10	26.261	176.7	0.195
100	9.81	34.25	26.419	161.8	0.237
125	9.51	34.25	26.469	157.0	0.278
150	9.30	34.30	26.542	150.1	0.317
175	9.29	34.38	26.606	144.0	0.355
200	9.27	34.42	26.641	140.7	0.391
225	9.07	34.43	26.681	136.9	0.427
250	8.84	34.40	26.694	135.6	0.462
275	8.41	34.41	26.769	128.5	0.496
300	8.16	34.39	26.791	126.4	0.530
350	7.38	34.36	26.882	117.8	0.593
400	6.88	34.38	26.968	109.6	0.653
450	6.47	34.38	27.023	104.4	0.710
500	6.22	34.42	27.088	98.3	0.764
550	6.12	34.44	27.116	95.6	0.816
600	5.75	34.45	27.171	90.4	0.866
700	5.09	34.45	27.250	82.9	0.961
800	4.68	34.47	27.313	76.9	1.049
900	4.33	34.49	27.367	71.8	1.132
1000	4.02	34.51	27.416	67.2	1.211

CALCOFI CRUISE 7507 127032

LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
26 58.0N	114 01.0W	07/11/75	1421 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
22M	300	12KT	4	49	
Z	T	S	SIGMA T	DT	DD
0	14.16	33.98	25.385	260.0	0.000
10	13.16	33.98	25.591	240.4	0.025
20	11.38	34.01	25.956	205.7	0.047

127033			RV ALEXANDER AGASSIZ		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
26 57.5N	114 02.0W	07/11/75	1345 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
63M	300	15KT	4	49	
Z	T	S	SIGMA T	DT	DD
0	15.04	33.93	25.158	281.5	0.000
10	11.97	33.85	25.722	227.9	0.025
20	11.34	33.84	25.832	217.6	0.047
30	10.91	34.05	26.072	194.7	0.068
40	10.95	34.06	26.073	194.6	0.088
50	10.95	34.07	26.081	193.9	0.107

CALCOFI CRUISE 7507			127034		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
26 55.5N	114 06.0W	07/11/75	1245 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
76M	310	12KT	1	310 2 5	
Z	T	S	SIGMA T	DT	DD
0	16.54	33.90	24.798	315.8	0.000
10	15.53	33.89	25.020	294.7	0.030
20	14.47	33.86	25.228	275.0	0.059
30	11.77	33.91	25.806	219.9	0.083
40	11.14	33.95	25.953	206.0	0.105
50	10.79	34.05	26.094	192.6	0.125
60	10.72	34.13	26.168	185.5	0.144

127035			RV ALEXANDER AGASSIZ		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
26 53.0N	114 10.5W	07/11/75	1147 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
80M	310	10KT	0		
Z	T	S	SIGMA T	DT	DD
0	17.11	33.97	24.718	323.4	0.000
10	16.27	33.99	24.929	303.4	0.031
20	14.94	34.00	25.234	274.3	0.060
30	12.99	33.95	25.602	239.4	0.086
40	11.07	33.95	25.966	204.8	0.108
50	10.61	34.14	26.195	183.0	0.127
60	10.65	34.20	26.235	179.2	0.146

CALCOFI CRUISE 7507			127036		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
26 50.5N	114 14.0W	07/11/75	1018 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
565M	310	7KT	0		
Z	T	S	SIGMA T	DT	DD
0	16.86	33.63	24.517	342.6	0.000
10	14.74	33.64	25.001	296.6	0.031
20	14.06	33.65	25.152	282.1	0.060
30	13.24	33.77	25.413	257.4	0.088
40	12.81	33.92	25.614	238.2	0.112
50	11.78	33.99	25.866	214.2	0.135
75	10.33	34.08	26.198	182.8	0.185
100	10.58	34.26	26.294	173.6	0.230
125	10.88	34.45	26.388	164.6	0.273
150	11.19	34.54	26.402	163.3	0.315
175	11.22	34.63	26.466	157.2	0.356
200	10.88	34.64	26.536	150.6	0.396
225	10.81	34.64	26.548	149.4	0.434
250	10.63	34.62	26.565	147.9	0.473
275	10.25	34.59	26.608	143.8	0.511
300	9.85	34.58	26.669	138.0	0.547
350	9.37	34.57	26.741	131.1	0.618
400	8.79	34.53	26.804	125.2	0.686
450	8.01	34.50	26.900	116.1	0.750

127040			RV ALEXANDER AGASSIZ		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
26 43.5N	114 29.0W	07/11/75	0731 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3112M	310	10KT	0		
Z	T	S	SIGMA T	DT	DD
0	19.15	33.88	24.148	377.8	0.000
10	18.96	33.87	24.189	373.9	0.037
20	16.04	33.71	24.767	318.8	0.072
30	15.31	33.68	24.907	305.4	0.103
40	14.61	33.63	25.021	294.7	0.133
50	13.76	33.62	25.191	278.4	0.162
75	12.66	33.77	25.528	246.4	0.228
100	11.48	33.92	25.868	214.1	0.286
125	10.89	34.18	26.177	184.7	0.337
150	10.82	34.35	26.322	171.0	0.382
175	10.60	34.45	26.438	159.9	0.424
200	10.27	34.48	26.519	152.2	0.464
225	9.71	34.43	26.576	146.9	0.503
250	9.73	34.49	26.619	142.7	0.540
275	9.23	34.45	26.670	137.9	0.577
300	8.64	34.39	26.718	133.4	0.612
350	8.00	34.39	26.815	124.1	0.679
400	7.53	34.39	26.884	117.6	0.743
450	7.06	34.40	26.959	110.5	0.803
500	6.86	34.45	27.026	104.2	0.861
550	6.57	34.46	27.073	99.7	0.916
600	6.21	34.46	27.120	95.2	0.969
700	5.62	34.48	27.211	86.6	1.068
800	5.11	34.48	27.272	80.8	1.161
900	4.58	34.49	27.340	74.4	1.248
1000	4.24	34.52	27.401	68.6	1.329

CALCOFI CRUISE 7507			127045		
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
26 33.5N	114 48.5W	07/11/75	0421 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3263M	330	12KT	0		
Z	T	S	SIGMA T	DT	DD
0	18.60	33.72	24.165	376.2	0.000
10	17.59	33.71	24.405	353.3	0.036
20	16.11	33.66	24.713	324.0	0.070
30	15.21	33.62	24.883	307.7	0.102
40	14.61	33.59	24.990	297.6	0.132
50	14.08	33.59	25.102	286.9	0.161
75	12.50	33.65	25.466	252.3	0.229
100	11.21	33.80	25.824	218.3	0.288
125	10.33	33.89	26.050	196.8	0.341
150	10.16	34.11	26.250	177.8	0.389
175	10.03	34.24	26.374	166.0	0.432
200	9.68	34.29	26.472	156.7	0.474
225	9.23	34.34	26.585	146.0	0.513
250	9.30	34.39	26.612	143.4	0.550
275	8.89	34.38	26.670	137.9	0.586
300	8.94	34.43	26.701	134.9	0.622
350	8.43	34.45	26.797	125.8	0.690
400	7.80	34.44	26.884	117.6	0.754
450	7.61	34.49	26.951	111.2	0.815
500	7.19	34.46	26.988	107.8	0.874
550	6.74	34.46	27.050	101.9	0.930
600	6.26	34.46	27.114	95.8	0.984
700	5.64	34.46	27.192	88.4	1.085
800	5.02	34.46	27.267	81.4	1.179
900	4.62	34.49	27.336	74.8	1.266
1000	4.25	34.50	27.384	70.2	1.348

127050			RV ALEXANDER AGASSIZ			CALCOFI CRUISE 7507			127060		
LATITUDE	LONGITUDE		MO/DAY/YR	START TIME		LATITUDE	LONGITUDE		MO/DAY/YR	START TIME	
26 26.5N	115 06.0W		07/11/75	0118 GMT		26 04.5N	115 44.5W		07/10/75	2045 GMT	
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
3737M	340	12KT	1	340 3 6		3357M	350	9KT	2	350 2 6	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	19.13	33.88	24.154	377.3	0.000	0	18.67	33.74	24.163	376.4	0.000
10	18.48	33.91	24.340	359.5	0.036	10	17.61	33.73	24.415	352.3	0.036
20	18.31	33.91	24.382	355.5	0.072	20	16.86	33.68	24.555	339.0	0.071
30	16.52	33.86	24.772	318.3	0.106	30	16.15	33.69	24.727	322.6	0.104
40	16.06	33.76	24.801	315.6	0.138	40	15.68	33.69	24.833	312.5	0.136
50	15.76	33.72	24.838	312.1	0.169	50	15.36	33.67	24.889	307.2	0.167
75	14.21	33.65	25.121	285.1	0.244	75	13.85	33.59	25.150	282.4	0.241
100	12.07	33.67	25.564	243.0	0.311	100	12.04	33.63	25.539	245.4	0.307
125	9.70	33.89	26.157	186.7	0.365	125	10.45	33.79	25.951	206.2	0.364
150	9.95	34.13	26.302	172.9	0.411	150	10.41	34.09	26.192	183.3	0.414
175	9.61	34.13	26.359	167.5	0.454	175	10.13	34.22	26.341	169.1	0.459
200	9.31	34.27	26.517	152.4	0.495	200	9.97	34.29	26.423	161.4	0.501
225	10.02	34.49	26.570	147.4	0.534	225	10.01	34.39	26.494	154.6	0.542
250	9.94	34.50	26.591	145.4	0.572	250	9.39	34.39	26.598	144.8	0.581
275	9.77	34.51	26.628	141.9	0.609	275	9.34	34.40	26.614	143.3	0.618
300	9.61	34.50	26.647	140.1	0.646	300	8.94	34.40	26.678	137.1	0.654
350	8.76	34.46	26.754	130.0	0.717	350	8.13	34.42	26.820	123.7	0.723
400	8.16	34.45	26.838	121.9	0.783	400	7.69	34.39	26.861	119.8	0.787
450	7.65	34.47	26.930	113.3	0.846	450	7.18	34.39	26.934	112.8	0.848
500	7.16	34.44	26.976	108.9	0.905	500	6.83	34.40	26.990	107.5	0.907
550	6.60	34.43	27.045	102.3	0.962	550	6.26	34.39	27.059	101.0	0.963
600	6.10	34.43	27.111	96.1	1.016	600	6.09	34.43	27.112	96.0	1.016
700	5.38	34.44	27.208	86.9	1.115	700	5.48	34.45	27.204	87.3	1.117
800	5.10	34.49	27.281	80.0	1.208	800	4.94	34.46	27.276	80.5	1.209
900	4.66	34.51	27.347	73.7	1.294	900	4.47	34.49	27.352	73.2	1.295
1000	4.27	34.52	27.398	68.9	1.375	1000	4.14	34.51	27.404	68.4	1.375

130025 ⁶			RV ALEXANDER AGASSIZ			CALCOFI CRUISE 7507			130026		
LATITUDE	LONGITUDE		MO/DAY/YR	START TIME		LATITUDE	LONGITUDE		MO/DAY/YR	START TIME	
26 38.0N	113 11.5W		07/11/75	1947 GMT		26 37.0N	113 13.0W		07/11/75	2017 GMT	
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
22M	260	16KT	4	230 2 5		28M	260	16KT	4	230 2 4	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	19.15	34.07	24.293	364.0	0.000	0	19.54	34.13	24.239	369.1	0.000
10	12.29	34.08	25.839	216.8	0.029	10	12.46	34.05	25.783	222.1	0.029
20	11.97	34.11	25.923	208.8	0.050	20	11.90	34.13	25.952	206.1	0.051

130027			RV ALEXANDER AGASSIZ			CALCOFI CRUISE 7507			130028		
LATITUDE	LONGITUDE		MO/DAY/YR	START TIME		LATITUDE	LONGITUDE		MO/DAY/YR	START TIME	
26 35.0N	113 17.0W		07/11/75	2106 GMT		26 32.5N	113 21.5W		07/11/75	2145 GMT	
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
45M	260	16KT	4	260 2 5		48M	260	18KT	1	260 2 4	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	19.31	34.10	24.275	365.7	0.000	0	19.01	34.16	24.397	354.0	0.000
10	14.26	33.97	25.357	262.7	0.031	10	13.76	34.01	25.492	249.8	0.030
20	11.72	34.19	26.033	198.4	0.054	20	11.35	34.09	26.024	199.3	0.052
30	11.60	34.21	26.070	194.8	0.074	30	10.81	34.11	26.137	188.5	0.072
37	11.38	34.27	26.158	186.5	0.087	40	11.17	34.27	26.196	182.9	0.090

130029			RV ALEXANDER AGASSIZ			CALCOFI CRUISE 7507			130030		
LATITUDE	LONGITUDE		MO/DAY/YR	START TIME		LATITUDE	LONGITUDE		MO/DAY/YR	START TIME	
26 31.0N	113 25.0W		07/11/75	2234 GMT		26 29.0N	113 29.0W		07/11/75	2330 GMT	
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
54M	260	17KT	1	260 2 4		67M	270	14KT	1	270 2 4	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	18.84	34.13	24.417	352.1	0.000	0	19.22	34.11	24.306	362.8	0.000
10	13.46	34.03	25.569	242.5	0.029	10	14.96	33.99	25.222	275.5	0.031
20	10.94	34.09	26.098	192.2	0.051	20	11.55	34.00	25.917	209.4	0.056
30	11.42	34.27	26.150	187.3	0.070	30	10.85	34.08	26.106	191.4	0.076
38	11.15	34.26	26.192	183.3	0.085	40	11.23	34.32	26.224	180.3	0.094
						50	11.21	34.35	26.251	177.7	0.113

130035				RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7507				130040					
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
26 19.0N	113 48.5W	07/12/75	0157 GMT	26 09.0N	114 07.0W	07/12/75	0441 GMT										
BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
353M	300	13KT	1	300 4 4	2227M	320	13KT	.									
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	18.41	33.85	24.311	362.2	0.000	0	19.75	33.90	24.009	391.0	0.000	0	19.75	33.90	24.009	391.0	0.000
10	17.32	33.83	24.561	338.4	0.035	10	19.69	33.90	24.025	389.5	0.039	10	19.69	33.90	24.025	389.5	0.039
20	15.56	33.76	24.914	304.9	0.067	20	18.02	33.85	24.407	353.1	0.076	20	18.02	33.85	24.407	353.1	0.076
30	12.94	33.73	25.442	254.6	0.095	30	16.96	33.79	24.616	333.2	0.110	30	16.96	33.79	24.616	333.2	0.110
40	10.86	33.85	25.926	208.6	0.118	40	15.93	33.76	24.830	312.8	0.143	40	15.93	33.76	24.830	312.8	0.143
50	11.37	34.21	26.113	190.8	0.138	50	15.52	33.71	24.884	307.7	0.174	50	15.52	33.71	24.884	307.7	0.174
75	11.16	34.34	26.252	177.6	0.185	75	13.46	33.67	25.291	268.9	0.246	75	13.46	33.67	25.291	268.9	0.246
100	11.12	34.36	26.275	175.4	0.229	100	12.16	33.78	25.632	236.5	0.310	100	12.16	33.78	25.632	236.5	0.310
125	11.09	34.43	26.335	169.7	0.273	125	10.87	33.91	25.971	204.3	0.366	125	10.87	33.91	25.971	204.3	0.366
150	11.19	34.49	26.363	167.0	0.316	150	11.05	34.27	26.218	180.8	0.415	150	11.05	34.27	26.218	180.8	0.415
175	11.06	34.51	26.403	163.3	0.358	175	11.18	34.41	26.305	172.7	0.460	175	11.18	34.41	26.305	172.7	0.460
200	10.94	34.57	26.471	156.8	0.399	200	11.11	34.43	26.331	170.1	0.504	200	11.11	34.43	26.331	170.1	0.504
225	10.81	34.59	26.510	153.1	0.439	225	10.68	34.47	26.439	159.8	0.546	225	10.68	34.47	26.439	159.8	0.546
250	10.74	34.59	26.522	151.9	0.479	250	9.73	34.35	26.510	153.1	0.587	250	9.73	34.35	26.510	153.1	0.587
275	10.27	34.60	26.613	143.3	0.517	275	9.57	34.38	26.560	148.3	0.626	275	9.57	34.38	26.560	148.3	0.626
						300	9.22	34.37	26.610	143.6	0.664	300	9.22	34.37	26.610	143.6	0.664
						350	8.49	34.36	26.717	133.4	0.736	350	8.49	34.36	26.717	133.4	0.736
						400	8.09	34.37	26.786	126.9	0.804	400	8.09	34.37	26.786	126.9	0.804
						450	7.53	34.41	26.900	116.1	0.869	450	7.53	34.41	26.900	116.1	0.869
						500	7.06	34.42	26.975	109.0	0.929	500	7.06	34.42	26.975	109.0	0.929
						550	6.75	34.45	27.041	102.7	0.986	550	6.75	34.45	27.041	102.7	0.986
						600	6.44	34.45	27.082	98.8	1.041	600	6.44	34.45	27.082	98.8	1.041
						700	5.60	34.47	27.205	87.2	1.142	700	5.60	34.47	27.205	87.2	1.142
						800	5.11	34.48	27.272	80.8	1.236	800	5.11	34.48	27.272	80.8	1.236
						900	4.67	34.49	27.330	75.3	1.323	900	4.67	34.49	27.330	75.3	1.323
						1000	4.23	34.51	27.394	69.3	1.405	1000	4.23	34.51	27.394	69.3	1.405

RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7507				130050								
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME
25 49.0N	114 46.0W	7/12/75	1055 GMT	3584M	280	8KT	1	240 2 4	25 49.0N	114 46.0W	7/12/75	1010 GMT	25 28.5N	115 21.5W	07/12/75	1533 GMT
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	19.51	33.850	5.42					388.7	0	19.51	33.850	5.42	24.033	388.7	0.000	
10	19.52	33.850	5.44					389.0	10	19.52	33.850	5.44	24.031	389.0	0.038	
29	17.80	33.867	5.69					346.7	20	18.73	33.860	5.56	24.238	369.2	0.076	
58	15.88	33.744	5.88					312.9	30	17.71	33.864	5.70	24.491	345.1	0.112	
78	15.14	33.686	5.81					301.5	50	16.31	33.786	5.85	24.761	319.3	0.179	
92	14.23	33.652	5.41					285.4	75	15.25	33.695	5.82	24.930	303.3	0.257	
107	13.45	33.676	4.77					268.3	100	13.79	33.660	5.07	25.214	276.3	0.330	
136	12.06	33.810	3.75					232.5	125	12.59	33.763	4.04	25.534	245.9	0.396	
160	10.67	33.809	3.82					208.4	150	11.20	33.804	3.79	25.827	218.0	0.455	
189	10.16	34.043	2.81					182.7	200	10.08	34.114	2.47	26.265	176.4	0.556	
223	10.00	34.230	1.87					166.3	250	9.78	34.310	1.40	26.470	156.9	0.641	
296	9.30	34.370	0.93					144.9	300	9.24	34.371	0.90	26.606	143.9	0.719	
398	7.94	34.363	0.49					125.3	400	7.91	34.364	0.48	26.807	124.9	0.860	
504	6.93	34.390	0.22					109.6	500	6.96	34.389	0.22	26.963	110.1	0.985	
611	6.13	34.423	0.14					97.0	600	6.20	34.419	0.14	27.089	98.1	1.097	
745	5.47	34.461	0.15					86.3	700	5.67	34.449	0.14	27.180	89.5	1.200	
901	4.65	34.488	0.30					75.3	800	5.16	34.471	0.19	27.258	82.2	1.295	
1065	4.10	34.521	0.42					67.1	1000	4.27	34.508	0.37	27.387	69.9	1.466	

130050				RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7507				130060					
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
25 49.0N	114 46.0W	07/12/75	1010 GMT	25 28.5N	115 21.5W	07/12/75	1533 GMT										
BOTTOM	WIND	SPEED	WEATHR	DOMINANT WAVES	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
3584M	280	8KT	1	240 2 4	3451M	340	10KT	1	340 2 6								
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	19.56	33.85	24.020	390.0	0.000	0	19.40	33.90	24.100	382.4	0.000	0	19.40	33.90	24.100	382.4	0.000
10	19.31	33.85	24.085	383.8	0.038	10	19.32	33.90	24.120	380.5	0.038	10	19.32	33.90	24.120	380.5	0.038
20	17.61	33.83	24.492	345.0	0.075	20	18.71	33.90	24.275	365.7	0.075	20	18.71	33.90	24.275	365.7	0.075
30	17.16	33.80	24.576	337.0	0.109	30	18.29	33.89	24.372	356.5	0.111	30	18.29	33.89	24.372	356.5	0.111
40	16.88	33.79	24.635	331.4	0.142	40	17.11	33.86	24.634	331.5	0.146	40	17.11	33.86	24.634	331.5	0.146
50	16.38	33.77	24.736	321.8	0.175	50	16.56	33.81	24.725	322.9	0.179	50	16.56	33.81	24.725	322.9	0.179
75	15.31	33.69	24.915	304.7	0.254	75	15.87	33.78	24.859	310.0	0.258	75	15.87	33.78	24.859	310.0	0.258
100	13.54	33.68	25.283	269.8	0.326	100	14.44	33.63	25.057	291.2	0.334	100	14.44	33.63	25.057	291.2	0.334
125	12.40	33.80	25.601	239.4	0.391	125	12.64	33.63	25.424	256.4	0.403	125	12.64	33.63	25.424	256.4	0.403
150	10.76	33.83	25.928	208.4	0.448	150	10.70	33.80	25.915	209.6	0.462	150	10.70	33.80	25.915	209.6	0.462
175	10.25	34.05	26.188	183.7	0.497	175	10.07	34.00	26.180	184.4	0.512	175	10.07	34.00	26.180	184.4	0.512
200	10.04	34.21	26.349	168.4	0.542	200	10.09	34.26	26.379	165.5	0.557	200	10.09	34.26	26.379	165.5	0.557
225	9.92	34.29	26.431	160.6	0.585	225	10.54	34.49	26.480	155.9	0.598	225	10.54	34.49	26.480		

133020⁶ RV ALF XANDER AGASSIZ
 LATITUDE 26 13.5N LONGITUDE 112 31.0W MO/DAY/YR 07/14/75 START TIME 1428 GMT
 BOTTOM 37M WIND 310 SPEED 5KT WEATHER 1 DOMINANT WAVES 49
 Z T S SIGMA T DT DD
 0 21.66 34.18 23.711 419.5 0.000
 10 15.08 34.10 25.280 269.9 0.034
 20 13.39 34.17 25.691 230.9 0.059
 23 13.07 34.21 25.786 221.8 0.066

CALCOFI CRUISE 7507 133021
 LATITUDE 26 12.5N LONGITUDE 112 32.5W MO/DAY/YR 07/14/75 START TIME 1351 GMT
 BOTTOM 48M WIND 310 SPEED 5KT WEATHER 1 DOMINANT WAVES 49
 Z T S SIGMA T DT DD
 0 21.92 34.18 23.639 426.4 0.000
 10 15.96 33.97 24.985 298.1 0.036
 20 12.99 34.05 25.679 232.1 0.062
 30 12.60 34.26 25.918 209.3 0.084
 40 12.63 34.27 25.920 209.1 0.105

133022 RV ALF XANDER AGASSIZ
 LATITUDE 26 10.5N LONGITUDE 112 36.5W MO/DAY/YR 07/14/75 START TIME 1258 GMT
 BOTTOM 60M WIND 340 SPEED 6KT WEATHER 1 DOMINANT WAVES 47
 Z T S SIGMA T DT DD
 0 21.17 34.13 23.807 410.3 0.000
 10 15.11 34.01 25.205 277.1 0.034
 20 12.77 34.14 25.192 221.3 0.059
 30 12.25 34.27 25.994 202.1 0.080
 40 12.18 34.33 26.054 196.4 0.100
 45 12.15 34.34 26.067 195.1 0.110

CALCOFI CRUISE 7507 133023
 LATITUDE 26 08.5N LONGITUDE 112 40.0W MO/DAY/YR 07/14/75 START TIME 1159 GMT
 BOTTOM 63M WIND 340 SPEED 6KT WEATHER 1 DOMINANT WAVES
 Z T S SIGMA T DT DD
 0 22.47 34.14 23.454 444.0 0.000
 10 17.73 33.81 24.447 349.2 0.039
 20 12.99 33.86 25.532 246.0 0.069
 30 11.45 33.93 25.881 212.8 0.092
 40 11.61 34.23 26.084 193.5 0.112
 50 11.68 34.29 26.118 190.4 0.132
 62 11.70 34.34 26.153 187.0 0.155

133024 RV ALF XANDER AGASSIZ
 LATITUDE 26 06.5N LONGITUDE 112 44.0W MO/DAY/YR 07/14/75 START TIME 1058 GMT
 BOTTOM 76M WIND 360 SPEED 6KT WEATHER 1 DOMINANT WAVES
 Z T S SIGMA T DT DD
 0 21.10 34.01 23.735 417.2 0.000
 10 18.93 33.92 24.235 369.5 0.039
 20 13.59 33.91 25.450 253.8 0.070
 30 12.40 33.98 25.741 226.2 0.094
 40 12.24 34.29 26.011 200.4 0.116
 50 12.14 34.36 26.085 193.5 0.135
 71 11.80 34.43 26.203 182.2 0.175

CALCOFI CRUISE 7507 133025
 LATITUDE 26 04.0N LONGITUDE 112 47.5W MO/DAY/YR 07/14/75 START TIME 0952 GMT
 BOTTOM 76M WIND 350 SPEED 9KT WEATHER 1 DOMINANT WAVES
 Z T S SIGMA T DT DD
 0 19.46 33.89 24.077 384.6 0.000
 10 15.17 33.87 25.084 288.6 0.033
 20 12.77 33.88 25.591 240.4 0.060
 30 11.72 33.93 25.831 217.6 0.083
 40 11.56 34.10 25.993 202.2 0.104
 50 11.66 34.29 26.121 190.0 0.123
 72 11.74 34.44 26.223 180.4 0.165

133030 RV ALF XANDER AGASSIZ
 LATITUDE 25 55.0N LONGITUDE 113 06.5W MO/DAY/YR 07/14/75 START TIME 0650 GMT
 BOTTOM 362M WIND 340 SPEED 7KT WEATHER 0 DOMINANT WAVES
 Z T S SIGMA T DT DD
 0 19.38 33.86 24.074 384.8 0.000
 10 17.36 33.83 24.552 339.3 0.036
 20 16.15 33.79 24.803 315.3 0.069
 30 14.56 33.75 25.124 284.9 0.099
 40 13.60 33.70 25.286 269.4 0.126
 50 12.97 33.69 25.405 258.1 0.153
 75 12.20 33.71 25.570 242.4 0.216
 100 11.59 33.75 25.716 228.5 0.275
 125 10.94 33.84 25.904 210.7 0.331
 150 10.54 33.99 26.091 192.9 0.382
 175 10.73 34.10 26.143 187.9 0.431
 200 10.84 34.18 26.186 183.9 0.478
 225 11.03 34.28 26.229 179.8 0.525
 250 11.24 34.37 26.261 176.7 0.571
 275 11.66 34.56 26.331 170.1 0.616
 300 11.81 34.63 26.357 167.6 0.660
 325 11.82 34.66 26.378 165.6 0.703

CALCOFI CRUISE 7507 133035
 LATITUDE 25 44.5N LONGITUDE 113 26.5W MO/DAY/YR 07/14/75 START TIME 0412 GMT
 BOTTOM 595M WIND 340 SPEED 7KT WEATHER 0 DOMINANT WAVES
 Z T S SIGMA T DT DD
 0 20.23 33.87 23.861 405.2 0.000
 10 18.39 33.85 24.316 361.8 0.038
 20 17.48 33.83 24.523 342.0 0.073
 30 16.68 33.80 24.689 326.2 0.107
 40 15.97 33.73 24.798 315.8 0.139
 50 15.16 33.65 24.917 304.5 0.170
 75 13.73 33.63 25.205 277.1 0.243
 100 11.24 33.70 25.741 226.1 0.307
 125 10.32 34.01 26.145 187.8 0.359
 150 10.18 34.18 26.301 172.9 0.405
 175 10.15 34.26 26.369 166.5 0.448
 200 10.20 34.35 26.430 160.7 0.490
 225 11.11 34.64 26.494 154.6 0.531
 250 10.87 34.62 26.522 151.9 0.570
 275 10.67 34.62 26.558 148.5 0.609
 300 10.40 34.62 26.605 144.0 0.648
 350 9.74 34.60 26.703 134.8 0.721
 400 9.08 34.56 26.781 127.4 0.790
 450 8.55 34.55 26.857 120.2 0.856

133040						RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7507						133050											
LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME							
25 41.5N		113 45.5W		07/14/75		0100 GMT		25 15.5N		114 27.5W		07/13/75		0143 GMT		25 15.5N		114 27.5W		07/13/75		0143 GMT							
BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
2509M		070		4KT		1		070 5 7		3451M		250		5KT		1		340 5 7		3451M		250		5KT		1		340 5 7	
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD
0	20.76	33.88	23.728	417.9	0.000	0	21.91	34.14	23.611	429.0	0.000	0	21.91	34.14	23.611	429.0	0.000	0	21.91	34.14	23.611	429.0	0.000	0	21.91	34.14	23.611	429.0	0.000
10	19.74	33.91	24.020	390.1	0.040	10	21.01	34.14	23.858	405.5	0.041	10	21.01	34.14	23.858	405.5	0.041	10	21.01	34.14	23.858	405.5	0.041	10	21.01	34.14	23.858	405.5	0.041
20	18.41	33.98	24.411	352.8	0.077	20	20.31	34.09	24.007	391.2	0.081	20	20.31	34.09	24.007	391.2	0.081	20	20.31	34.09	24.007	391.2	0.081	20	20.31	34.09	24.007	391.2	0.081
30	18.11	33.97	24.477	346.4	0.112	30	17.86	34.01	24.569	337.7	0.118	30	17.86	34.01	24.569	337.7	0.118	30	17.86	34.01	24.569	337.7	0.118	30	17.86	34.01	24.569	337.7	0.118
40	17.01	33.82	24.627	332.2	0.146	40	17.64	33.99	24.607	334.1	0.151	40	17.64	33.99	24.607	334.1	0.151	40	17.64	33.99	24.607	334.1	0.151	40	17.64	33.99	24.607	334.1	0.151
50	15.96	33.72	24.793	316.3	0.179	50	16.04	33.80	24.836	312.2	0.184	50	16.04	33.80	24.836	312.2	0.184	50	16.04	33.80	24.836	312.2	0.184	50	16.04	33.80	24.836	312.2	0.184
75	13.52	33.50	25.148	282.6	0.254	75	15.03	33.75	25.023	294.5	0.260	75	15.03	33.75	25.023	294.5	0.260	75	15.03	33.75	25.023	294.5	0.260	75	15.03	33.75	25.023	294.5	0.260
100	13.03	33.55	25.285	269.5	0.324	100	14.91	34.07	25.294	268.6	0.331	100	14.91	34.07	25.294	268.6	0.331	100	14.91	34.07	25.294	268.6	0.331	100	14.91	34.07	25.294	268.6	0.331
125	12.11	33.76	25.626	237.1	0.388	125	13.66	34.30	25.736	226.6	0.394	125	13.66	34.30	25.736	226.6	0.394	125	13.66	34.30	25.736	226.6	0.394	125	13.66	34.30	25.736	226.6	0.394
150	11.20	34.06	26.028	198.9	0.443	150	12.46	34.33	26.000	201.5	0.448	150	12.46	34.33	26.000	201.5	0.448	150	12.46	34.33	26.000	201.5	0.448	150	12.46	34.33	26.000	201.5	0.448
175	10.17	34.12	26.256	177.2	0.491	175	11.64	34.34	26.164	186.0	0.498	175	11.64	34.34	26.164	186.0	0.498	175	11.64	34.34	26.164	186.0	0.498	175	11.64	34.34	26.164	186.0	0.498
200	9.88	34.26	26.415	162.1	0.534	200	11.51	34.54	26.343	168.9	0.543	200	11.51	34.54	26.343	168.9	0.543	200	11.51	34.54	26.343	168.9	0.543	200	11.51	34.54	26.343	168.9	0.543
225	9.68	34.37	26.534	150.8	0.575	225	10.65	34.49	26.460	157.8	0.585	225	10.65	34.49	26.460	157.8	0.585	225	10.65	34.49	26.460	157.8	0.585	225	10.65	34.49	26.460	157.8	0.585
250	9.94	34.48	26.576	146.8	0.613	250	10.53	34.54	26.521	152.1	0.625	250	10.53	34.54	26.521	152.1	0.625	250	10.53	34.54	26.521	152.1	0.625	250	10.53	34.54	26.521	152.1	0.625
275	9.92	34.56	26.642	140.6	0.650	275	10.23	34.54	26.574	147.1	0.664	275	10.23	34.54	26.574	147.1	0.664	275	10.23	34.54	26.574	147.1	0.664	275	10.23	34.54	26.574	147.1	0.664
300	9.78	34.55	26.657	139.1	0.687	300	9.81	34.54	26.645	140.3	0.702	300	9.81	34.54	26.645	140.3	0.702	300	9.81	34.54	26.645	140.3	0.702	300	9.81	34.54	26.645	140.3	0.702
350	9.06	34.52	26.753	130.1	0.757	350	8.97	34.52	26.767	128.7	0.772	350	8.97	34.52	26.767	128.7	0.772	350	8.97	34.52	26.767	128.7	0.772	350	8.97	34.52	26.767	128.7	0.772
400	8.50	34.52	26.841	121.7	0.824	400	8.40	34.50	26.841	121.7	0.838	400	8.40	34.50	26.841	121.7	0.838	400	8.40	34.50	26.841	121.7	0.838	400	8.40	34.50	26.841	121.7	0.838
450	7.99	34.51	26.911	115.0	0.887	450	7.72	34.49	26.935	112.7	0.901	450	7.72	34.49	26.935	112.7	0.901	450	7.72	34.49	26.935	112.7	0.901	450	7.72	34.49	26.935	112.7	0.901
500	7.46	34.49	26.973	109.2	0.947	500	7.21	34.48	27.001	106.5	0.960	500	7.21	34.48	27.001	106.5	0.960	500	7.21	34.48	27.001	106.5	0.960	500	7.21	34.48	27.001	106.5	0.960
550	6.95	34.47	27.029	103.8	1.005	550	6.65	34.47	27.070	100.0	1.015	550	6.65	34.47	27.070	100.0	1.015	550	6.65	34.47	27.070	100.0	1.015	550	6.65	34.47	27.070	100.0	1.015
600	6.54	34.47	27.085	98.6	1.060	600	6.28	34.47	27.119	95.3	1.068	600	6.28	34.47	27.119	95.3	1.068	600	6.28	34.47	27.119	95.3	1.068	600	6.28	34.47	27.119	95.3	1.068
700	5.86	34.48	27.181	89.5	1.163	700	5.67	34.49	27.212	86.5	1.168	700	5.67	34.49	27.212	86.5	1.168	700	5.67	34.49	27.212	86.5	1.168	700	5.67	34.49	27.212	86.5	1.168
800	5.24	34.48	27.257	82.3	1.258	800	5.03	34.50	27.297	78.5	1.260	800	5.03	34.50	27.297	78.5	1.260	800	5.03	34.50	27.297	78.5	1.260	800	5.03	34.50	27.297	78.5	1.260
900	4.92	34.50	27.310	77.2	1.348	900	4.55	34.52	27.367	71.8	1.344	900	4.55	34.52	27.367	71.8	1.344	900	4.55	34.52	27.367	71.8	1.344	900	4.55	34.52	27.367	71.8	1.344
1000	4.34	34.51	27.382	70.4	1.431	1000	4.23	34.55	27.426	66.3	1.423	1000	4.23	34.55	27.426	66.3	1.423	1000	4.23	34.55	27.426	66.3	1.423	1000	4.23	34.55	27.426	66.3	1.423

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7507							133050																			
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME				
25 15.5N		114 27.5W		7/13/75		0226 GMT		3451M		250		5KT		1		340 5 7		25 15.5N		114 27.5W		07/13/75		0143 GMT		25 15.5N		114 27.5W		07/13/75		0143 GMT				
Z	T	S	Q2	P04	S103	NO2	NO3	DT	Z	T	S	Q2	SIGT	DT	DD	Z	T	S	Q2	SIGT	DT	DD	Z	T	S	Q2	SIGT	DT	DD	Z	T	S	Q2	SIGT	DT	DD
0	21.80	34.144	5.24					425.8	0	21.80	34.144	5.24	23.645	425.8	0.000	0	21.80	34.144	5.24	23.645	425.8	0.000	0	21.80	34.144	5.24	23.645	425.8	0.000	0	21.80	34.144	5.24	23.645	425.8	0.000
10	20.89	34.258	5.35					393.8	10	20.89	34.258	5.35	23.980	393.8	0.041	10	20.89	34.258	5.35	23.980	393.8	0.041	10	20.89	34.258	5.35	23.980	393.8	0.041	10	20.89	34.258	5.35	23.980	393.8	0.041
20	18.80	34.142	5.55					350.3	20	19.81	34.232	5.45	24.245	368.6	0.079	20	19.81	34.232	5.45	24.245	368.6	0.079	20	19.81	34.232	5.45	24.245	368.6	0.079	20	19.81	34.232	5.45	24.245	368.6	0.079
30	17.84	33.718	5.89					313.9	30	18.67	34.126	5.56	24.455	348.5	0.115	30	18.67	34.126	5.56	24.455	348.5	0.115	30	18.67	34.126	5.56	24.455	348.5	0.115	30	18.67	34.126	5.56	24.455	348.5	0.115
40	15.05	33.659	5.87					301.6	40	16.47	33.818	5.82	24.750	320.4	0.182	40	16.47	33.818	5.82	24.750	320.4	0.182	40	16.47	33.818	5.82	24.750	320.4	0.182	40	16.47	33.818	5.82	24.750	320.4	0.182
50	14.79	33.738	5.40					290.4	50	15.07	33.659	5.87	24.942	302.1	0.260	50	15.07	33.659	5.87	24.942	302.1	0.260	50	15.07	33.659	5.87	24.942	302.1	0.260	50	15.07	33.659	5.87	24.942	302.1	0.260
60	14.83	34.000	4.05					272.1	60	14.81	33.919	4.47	25.198	277.8	0.333	60	14.81	33.919	4.47	25.198	277.8	0.333	60	14.81	33.919	4.47	25.198	277.8	0.333	60	14.81	33.919	4.47	25.198	277.8	0.333
70	13.50	34.237	1.96					228.1	70	13.89	34.202	2.36	25.611	238.5	0.399	70	13.89	34.202	2.36	25.611	238.5	0.399	70	13.89	34.202	2.36	25.611	238.5	0.399	70	13.89	34.202	2.36	25.611	238.5	0.399
80	12.77	34.314	1.49					208.5	80	1																										

137022		RV ALEXANDER AGASSIZ			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
25 36.0N	112 14.5W	07/14/75	1931 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
41M	300	8KT	2	190 4 1	
Z	T	S	SIGMA T	DT	DD
0	24.01	34.25	23.093	478.5	0.000
10	16.81	34.20	24.965	300.0	0.038
20	14.56	34.23	25.493	249.7	0.066
30	14.41	34.34	25.610	238.6	0.090
34	14.36	34.38	25.651	234.7	0.100

CALCOFI CRUISE 7507		137023			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
25 34.0N	112 18.5W	07/14/75	2026 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
69M	310	7KT	0	310 2 5	
Z	T	S	SIGMA T	DT	DD
0	23.51	34.12	23.141	473.9	0.000
10	19.69	34.02	24.116	380.8	0.042
20	15.08	34.04	25.234	274.3	0.075
30	13.53	34.11	25.616	238.0	0.101
40	13.91	34.39	25.753	224.9	0.124
50	14.11	34.45	25.758	224.5	0.147

137024		RV ALEXANDER AGASSIZ			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
25 32.0N	112 23.0W	07/14/75	2126 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
80M	310	5KT	1	210 2 8	
Z	T	S	SIGMA T	DT	DD
0	22.31	33.93	23.340	454.9	0.000
10	21.36	33.89	23.573	432.6	0.044
20	17.11	33.90	24.665	328.6	0.082
30	14.61	33.98	25.290	269.0	0.112
40	12.98	34.23	25.820	218.6	0.136
50	12.43	34.42	25.876	213.3	0.158
66	12.81	34.59	25.929	208.3	0.192

CALCOFI CRUISE 7507		137030			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
25 20.0N	112 45.5W	07/15/75	0017 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
345M	290	6KT	2	190 3 5	
Z	T	S	SIGMA T	DT	DD
0	21.68	33.90	23.493	440.3	0.000
10	18.07	33.74	24.311	362.3	0.040
20	13.92	33.61	25.151	282.3	0.072
30	12.35	33.59	25.449	253.9	0.099
40	11.79	33.63	25.586	240.9	0.124
50	11.55	33.69	25.677	232.3	0.147
75	11.29	34.05	26.004	201.2	0.202
100	11.33	34.23	26.136	188.6	0.251
125	11.54	34.52	26.322	170.9	0.297
150	11.35	34.64	26.450	158.7	0.339
175	11.19	34.65	26.487	155.2	0.379
200	10.92	34.65	26.537	150.6	0.418
225	10.75	34.65	26.567	147.7	0.457
250	10.61	34.63	26.576	146.8	0.495
275	10.58	34.63	26.582	146.3	0.533

137035		RV ALEXANDER AGASSIZ			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
25 10.0N	113 04.5W	07/15/75	0313 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
1429M	350	7KT			
Z	T	S	SIGMA T	DT	DD
0	20.18	33.71	23.753	415.5	0.000
10	16.81	33.73	24.605	334.2	0.037
20	16.47	33.69	24.654	329.6	0.070
30	15.71	33.67	24.811	314.6	0.103
40	15.00	33.67	24.967	299.7	0.133
50	13.87	33.73	25.253	272.5	0.162
75	12.26	33.76	25.597	239.8	0.227
100	11.25	33.85	25.856	215.2	0.284
125	11.06	34.19	26.154	186.9	0.335
150	11.36	34.43	26.285	174.4	0.381
175	11.44	34.59	26.395	164.0	0.424
200	11.19	34.62	26.464	157.4	0.465
225	10.88	34.64	26.536	150.6	0.505
250	10.71	34.63	26.558	148.5	0.544
275	10.28	34.63	26.634	141.3	0.582
300	10.06	34.62	26.664	138.4	0.618
350	9.24	34.58	26.770	128.4	0.688
400	8.72	34.55	26.830	122.7	0.755
450	8.20	34.52	26.887	117.3	0.819
500	7.68	34.51	26.957	110.7	0.880
550	7.02	34.50	27.043	102.5	0.938
600	6.66	34.50	27.092	97.8	0.992
700	5.91	34.50	27.190	88.6	1.094
800	5.26	34.51	27.278	80.3	1.188
900	4.78	34.53	27.349	73.5	1.275
1000	4.45	34.55	27.402	68.5	1.356

CALCOFI CRUISE 7507		137040			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		
25 00.0N	113 23.5W	07/15/75	0625 GMT		
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
368UM	300	5KT			
Z	T	S	SIGMA T	DT	DD
0	21.50	33.81	23.474	442.1	0.000
10	19.16	33.82	24.100	382.4	0.041
20	18.75	33.84	24.219	371.0	0.078
30	17.77	33.84	24.461	348.0	0.115
40	16.74	33.81	24.683	326.8	0.148
50	16.31	33.79	24.767	318.8	0.181
75	14.94	33.67	24.981	298.5	0.258
100	13.16	33.64	25.328	265.4	0.329
125	11.31	33.83	25.829	217.8	0.391
150	12.81	34.55	26.101	191.9	0.443
175	12.40	34.58	26.205	182.1	0.490
200	11.55	34.59	26.374	165.9	0.535
225	11.29	34.66	26.477	156.2	0.577
250	11.06	34.64	26.503	153.7	0.617
275	10.58	34.61	26.566	147.8	0.656
300	10.02	34.58	26.640	140.7	0.694
350	9.32	34.54	26.726	132.6	0.765
400	8.65	34.51	26.810	124.6	0.833
450	8.07	34.49	26.883	117.7	0.898
500	7.62	34.48	26.942	112.1	0.959
550	7.15	34.49	27.017	105.0	1.018
600	6.77	34.52	27.093	97.8	1.073
700	6.05	34.53	27.196	88.0	1.176
800	5.35	34.51	27.267	81.3	1.270
900	4.89	34.51	27.321	76.2	1.359
1000	4.48	34.53	27.383	70.3	1.442

137050		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7507						137060	
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME			LATITUDE	LONGITUDE	MO/DAY/YR	START TIME				
24 40.0N	114 02.0W	07/15/75	1130 GMT			24 20.0N	114 39.5W	07/15/75	1655 GMT				
BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
3832M	030	11KT				3545M	020	8KT	2	360 3 5			
Z	T	S	SIGMA T	DT	DD	Z	T	S	SIGMA T	DT	DD		
0	23.67	34.34	23.260	462.5	0.000	0	22.53	33.87	23.233	465.1	0.000		
10	23.21	34.49	23.507	438.9	0.045	10	20.81	33.85	23.692	421.3	0.044		
20	21.81	34.51	23.919	399.6	0.087	20	18.98	33.83	24.154	377.3	0.084		
30	20.41	34.41	24.223	370.6	0.125	30	17.57	33.81	24.486	345.6	0.120		
40	19.42	34.33	24.422	351.7	0.161	40	16.46	33.79	24.732	322.1	0.154		
50	19.10	34.32	24.496	344.6	0.196	50	13.57	33.75	25.331	265.2	0.183		
75	16.26	33.99	24.931	303.1	0.278	75	11.54	33.97	25.896	211.5	0.243		
100	14.41	33.89	25.263	271.6	0.350	100	10.80	34.13	26.154	186.9	0.293		
125	11.83	34.03	25.888	212.2	0.412	125	10.77	34.31	26.299	173.1	0.339		
150	11.72	34.25	26.079	194.0	0.463	150	10.18	34.43	26.496	154.4	0.381		
175	11.34	34.41	26.274	175.5	0.510	175	10.62	34.56	26.520	152.1	0.420		
200	10.91	34.47	26.398	163.7	0.554	200	10.91	34.69	26.569	147.4	0.458		
225	10.75	34.51	26.458	158.0	0.595	225	10.60	34.67	26.609	143.7	0.496		
250	10.47	34.54	26.531	151.1	0.635	250	10.31	34.64	26.637	141.0	0.533		
275	10.10	34.54	26.595	145.0	0.674	275	9.82	34.60	26.690	136.0	0.569		
300	9.76	34.54	26.653	139.5	0.711	300	9.46	34.59	26.742	131.1	0.604		
350	9.07	34.53	26.759	129.5	0.781	350	8.41	34.49	26.831	122.6	0.671		
400	8.56	34.52	26.832	122.6	0.848	400	8.01	34.50	26.900	116.1	0.734		
450	7.84	34.53	26.949	111.4	0.910	450	7.53	34.50	26.971	109.4	0.794		
500	7.36	34.49	26.987	107.8	0.969	500	7.12	34.49	27.021	104.6	0.851		
550	6.98	34.48	27.033	103.5	1.026	550	6.70	34.48	27.071	99.9	0.906		
600	6.51	34.48	27.097	97.4	1.081	600	6.40	34.49	27.119	95.3	0.959		
700	5.81	34.49	27.195	88.1	1.183	700	5.63	34.50	27.225	85.3	1.058		
800	5.24	34.49	27.264	81.5	1.277	800	5.10	34.50	27.289	79.2	1.150		
900	4.72	34.52	27.348	73.6	1.364	900	4.58	34.52	27.364	72.1	1.235		
1000	4.27	34.53	27.406	68.2	1.445	1000	4.13	34.54	27.428	66.0	1.313		

RV ALEXANDER AGASSIZ		CALCOFI CRUISE 7507						137060							
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
24 20.0N	114 39.5W	7/15/75	1734			3545M	020	8KT	2	360 3 5					
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	22.53	33.867	5.16					465.3	0	22.53	33.867	5.16	23.231	465.3	0.000
11	20.61	33.868	5.43					474.9	10	20.78	33.869	5.40	23.713	419.3	0.044
31	17.31	33.813	5.67					339.4	20	19.11	33.848	5.53	24.132	379.3	0.084
60	12.31	33.776	4.08					239.5	30	17.47	33.817	5.65	24.514	342.9	0.120
80	11.15	33.958	2.77					205.6	50	13.82	33.754	4.77	25.280	269.9	0.181
95	10.85	34.088	2.26					190.9	75	11.31	33.910	3.07	25.890	212.0	0.242
110	10.85	34.187	1.79					183.5	100	10.85	34.126	2.08	26.142	188.1	0.293
139	10.16	34.266	1.65					166.2	125	10.47	34.228	1.71	26.288	174.2	0.339
164	10.54	34.442	0.81					159.5	150	10.27	34.337	1.30	26.408	162.8	0.381
193	10.95	34.648	0.12					151.2	200	10.88	34.654	0.12	26.545	149.7	0.462
228	10.42	34.618	0.12					144.5	250	10.08	34.604	0.10	26.647	140.1	0.537
301	9.32	34.569	0.08					130.4	300	9.33	34.570	0.08	26.747	130.6	0.607
403	7.88	34.470	0.13					116.5	400	7.91	34.473	0.12	26.892	116.8	0.737
509	6.97	34.468	0.08					104.2	500	7.03	34.467	0.08	27.015	105.2	0.856
617	6.24	34.466	0.10					95.1	600	6.34	34.466	0.09	27.107	96.5	0.965
751	5.28	34.476	0.15					83.1	700	5.63	34.470	0.12	27.202	87.5	1.066
906	4.53	34.497	0.32					73.3	800	5.01	34.482	0.19	27.285	79.6	1.158
1072	3.96	34.533	0.46					64.8	1000	4.17	34.516	0.40	27.404	68.3	1.325

				10 METER DATA			
		Z	T	S	N2	DT	
60.050	07/18/75 0000GMT 37 57.5N 122 53.0W BOTTOM 45M WIND 250 1KT WEATHER 2 DOMINANT WAVES 270 3 3	10	11.08	33.446		242.1	
60.052	07/18/75 0112GMT 37 54.0N 123 01.5W BOTTOM 73M WIND 260 14KT WEATHER 2 DOMINANT WAVES 250 3 4	10	10.56	33.908		199.3	
60.055	07/18/75 0240GMT 37 47.0N 123 15.0W BOTTOM 127M WIND 270 13KT WEATHER 2 DOMINANT WAVES 270 3 5	10	11.78	33.654		239.0	
60.060	07/18/75 0606GMT 37 37.0N 123 37.0W BOTTOM 2595M WIND 300 13KT WEATHER DOMINANT WAVES	10	13.83	33.227		308.6	
60.065	07/18/75 0925GMT 37 27.0N 123 58.5W BOTTOM 3731M WIND 340 14KT WEATHER DOMINANT WAVES	10	13.74	33.172		310.9	
60.070	07/18/75 1210GMT 37 17.0N 124 21.0W BOTTOM 4216M WIND 320 13KT WEATHER DOMINANT WAVES	10	14.49	33.217		322.5	
60.090	07/18/75 2304GMT 36 37.0N 125 47.0W BOTTOM 4493M WIND 310 4KT WEATHER 1 DOMINANT WAVES 340 3 6	10	15.89	33.178		354.4	
63.050	07/17/75 2002GMT 37 23.5N 122 28.0W BOTTOM 28M WIND 160 4KT WEATHER 2 DOMINANT WAVES 270 3 4	10	9.52	33.877		184.8	
63.052	07/17/75 1850GMT 37 19.0N 122 36.0W BOTTOM 84M WIND 260 4KT WEATHER 2 DOMINANT WAVES 300 2 8	10	11.66	33.665		236.0	
63.055	07/17/75 1648GMT 37 12.5N 122 50.0W BOTTOM 257M WIND 300 10KT WEATHER 2 DOMINANT WAVES 310 4 5	10	12.41	33.632		252.0	
63.060	07/17/75 1343GMT 37 02.5N 123 11.5W BOTTOM 2785M WIND 330 14KT WEATHER 1 DOMINANT WAVES 320 6 7	10	14.32	33.555		294.3	
66.049	07/17/75 0040GMT 36 53.0N 122 01.5W BOTTOM 60M WIND 230 14KT WEATHER 4 DOMINANT WAVES 240 2 3	10	10.64	33.805		208.2	
67.050	07/17/75 0148GMT 36 48.5N 122 04.5W BOTTOM 103M WIND 310 14KT WEATHER 4 DOMINANT WAVES 290 2 3	10	10.54	33.677		216.0	
67.060	07/17/75 0921GMT 36 29.0N 122 47.5W BOTTOM 2973M WIND 330 24KT WEATHER DOMINANT WAVES	10	12.90	33.577		265.1	
70.051	07/16/75 1845GMT 36 11.5N 121 44.0W BOTTOM 205M WIND 120 4KT WEATHER 4 DOMINANT WAVES 290 2 4	10	12.32	33.652		248.8	
70.053	07/16/75 1645GMT 36 06.5N 121 54.0W BOTTOM 1073M WIND 310 20KT WEATHER 2 DOMINANT WAVES 320 4 5	10	12.48	33.643		252.4	
70.060	07/15/75 1318GMT 35 53.0N 122 22.5W BOTTOM 3258M WIND 320 11KT WEATHER 2 DOMINANT WAVES 340 3 7	10	13.92	33.455		293.7	
70.065	07/15/75 1030GMT 35 43.0N 122 44.5W BOTTOM 1849M WIND 280 11KT WEATHER DOMINANT WAVES	10	14.24	33.422		302.5	
70.070	07/15/75 0735GMT 35 33.0N 123 06.0W BOTTOM 3918M WIND 300 14KT WEATHER DOMINANT WAVES	10	13.45	33.403		288.3	
70.090	07/14/75 2057GMT 34 53.0N 124 30.0W BOTTOM 4116M WIND 360 14KT WEATHER 2 DOMINANT WAVES 340 6 5	10	15.85	33.404		337.1	
73.050	07/11/75 1616GMT 35 37.0N 121 17.0W BOTTOM 97M WIND 320 14KT WEATHER 4 DOMINANT WAVES 300 5 6	10	10.02	33.866		193.5	
73.053	07/11/75 1758GMT 35 31.5N 121 28.5W BOTTOM 778M WIND 320 24KT WEATHER 2 DOMINANT WAVES 300 10 6	10	10.68	33.782		210.6	
73.065	07/14/75 0311GMT 35 08.5N 122 19.0W BOTTOM 3919M WIND 320 17KT WEATHER 2 DOMINANT WAVES 300 6 7	10	13.48	33.632		272.1	
73.070	07/14/75 0544GMT 34 58.5N 122 40.0W BOTTOM 4110M WIND 320 14KT WEATHER DOMINANT WAVES	10	13.65	33.570		280.0	
73.080	07/14/75 1102GMT 34 38.0N 123 21.0W BOTTOM 3926M WIND 350 14KT WEATHER DOMINANT WAVES	10	15.20	33.257		334.1	
73.090	07/14/75 1533GMT 34 18.0N 124 03.0W BOTTOM 3737M WIND 330 14KT WEATHER 2 DOMINANT WAVES 330 8 7	10	15.45	33.356		332.1	

					Z	T	10 METER S	DATA 02	DT
83.043	07/06/75	2035GMT	34 08.0N	119 34.0W	10	15.99	33.716		317.3
		BOTTOM	251M	WIND 280 14KT					
		DOMINANT WAVES	290 1 3						
83.044	07/06/75	1842GMT	34 06.0N	119 38.5W	10	14.84	33.748		290.7
		BOTTOM	187M	WIND 270 14KT					
		DOMINANT WAVES	270 4 4						
83.044 ⁷	07/06/75	1727GMT	34 04.0N	119 41.0W	10	14.02	33.759		273.4
		BOTTOM	90M	WIND 280 14KT					
		DOMINANT WAVES	300 3 4						
83.045	07/06/75	1617GMT	34 03.5N	119 42.5W	10	14.84	33.761		289.8
		BOTTOM	65M	WIND 280 9KT					
		DOMINANT WAVES	290 4 4						
83.048	07/06/75	1346GMT	33 58.0N	119 55.0W	10	16.38	33.707		326.4
		BOTTOM	97M	WIND 310 14KT					
		DOMINANT WAVES	330 3 4						
83.049	07/06/75	1246GMT	33 55.5N	119 59.0W	10	16.24	33.701		323.8
		BOTTOM	24M	WIND 110 9KT					
		DOMINANT WAVES							
83.050	07/06/75	1155GMT	33 54.0N	120 03.5W	10	14.78	33.695		293.4
		BOTTOM	24M	WIND 340 4KT					
		DOMINANT WAVES							
83.051	07/06/75	1059GMT	33 52.0N	120 07.5W	10	11.12	33.719		222.7
		BOTTOM	131M	WIND 320 22KT					
		DOMINANT WAVES							
83.060	07/06/75	0310GMT	33 34.0N	120 45.0W	10	14.55	33.584		296.8
		BOTTOM	1849M	WIND 320 14KT					
		DOMINANT WAVES	320 3 3						
83.070	07/05/75	2232GMT	33 14.0N	121 27.0W	10	14.24	33.741		279.1
		BOTTOM	3737M	WIND 320 15KT					
		DOMINANT WAVES	320 3 4						
83.080	07/05/75	1739GMT	32 54.5N	122 08.0W	10	14.78	33.403		314.8
		BOTTOM	4116M	WIND 320 14KT					
		DOMINANT WAVES	320 3 4						
83.090	07/05/75	1246GMT	32 34.0N	122 49.5W	10	14.92	33.421		316.3
		BOTTOM	4116M	WIND 290 4KT					
		DOMINANT WAVES							
85.037 ²	07/03/75	1751GMT	34 02.5N	118 58.5W	10	14.46	33.665		289.1
		BOTTOM	28M	WIND 140 7KT					
		DOMINANT WAVES	230 2 5						
85.037 ⁵	07/03/75	1901GMT	34 02.0N	118 59.5W	10	15.02	33.673		299.9
		BOTTOM	65M	WIND 160 4KT					
		DOMINANT WAVES	230 2 5						
85.038	07/03/75	2017GMT	34 01.0N	119 02.5W	10	14.84	33.666		296.7
		BOTTOM	198M	WIND 280 4KT					
		DOMINANT WAVES	300 3 4						
85.039	07/03/75	2151GMT	33 59.0N	119 06.5W	10	15.49	33.676		309.5
		BOTTOM	704M	WIND 300 12KT					
		DOMINANT WAVES	280 4 4						
85.040	07/03/75	2325GMT	33 57.0N	119 10.5W	10	16.18	33.684		323.7
		BOTTOM	731M	WIND 310 9KT					
		DOMINANT WAVES	310 3 3						
87.032 ⁵	07/03/75	0713GMT	33 53.5N	118 26.5W	10	17.54	33.694		353.3
		BOTTOM	19M	WIND 220 3KT					
		DOMINANT WAVES							
87.032 ⁷	07/03/75	0835GMT	33 54.5N	118 28.0W	10	17.04	33.686		342.6
		BOTTOM	35M	WIND 180 6KT					
		DOMINANT WAVES							
87.033	07/03/75	0955GMT	33 54.0N	118 29.0W	10	17.20	33.696		345.5
		BOTTOM	50M	WIND 180 6KT					
		DOMINANT WAVES							
87.034	07/03/75	1135GMT	33 52.0N	118 33.5W	10	15.00	33.700		297.5
		BOTTOM	75M	WIND 170 5KT					
		DOMINANT WAVES							
87.035	07/03/75	1316GMT	33 50.0N	118 37.5W	10	16.38	33.689		327.7
		BOTTOM	491M	WIND 130 11KT					
		DOMINANT WAVES	240 5 6						
87.036	07/03/75	1441GMT	33 49.0N	118 40.0W	10	17.36	33.708		348.2
		BOTTOM	870M	WIND 090 6KT					
		DOMINANT WAVES	250 3 5						
87.040	07/04/75	0229GMT	33 40.0N	118 58.5W	10	16.30	33.693		325.7
		BOTTOM	925M	WIND 270 6KT					
		DOMINANT WAVES	280 3 4						
87.050	07/04/75	1036GMT	33 20.0N	119 39.5W	10	14.19	33.754		277.1
		BOTTOM	75M	WIND 300 21KT					
		DOMINANT WAVES							
87.055	07/04/75	1320GMT	33 10.0N	120 01.0W	10	13.61	33.743		266.5
		BOTTOM	1293M	WIND 330 14KT					
		DOMINANT WAVES							

						Z	T	10 METER DATA S	DT
87.060	07/04/75	1612GMT	33 00.0N	120 21.5W	BOTTOM 929M WIND 320 16KT WEATHER 2	10	13.52	33.652	271.4
					DOMINANT WAVES 340 7 6				
87.070	07/04/75	2108GMT	32 39.5N	121 02.0W	BOTTOM 3926M WIND 350 14KT WEATHER 2	10	14.63	33.583	298.5
					DOMINANT WAVES 340 2 4				
87.080	07/05/75	0153GMT	32 19.5N	121 43.0W	BOTTOM 4212M WIND 330 4KT WEATHER 2	10	14.72	33.500	306.4
					DOMINANT WAVES 330 4 4				
5 88.030 ⁴	06/30/75	1446GMT	33 41.5N	118 07.0W	BOTTOM 17M WIND 240 5KT WEATHER 4	10	15.90	33.655	319.8
					DOMINANT WAVES 240 1 4				
5 88.031	06/30/75	1557GMT	33 40.5N	118 09.5W	BOTTOM 24M WIND 190 4KT WEATHER 4	10	16.54	33.673	332.4
					DOMINANT WAVES 190 2 6				
5 88.031	07/02/75	0419GMT	33 40.5N	118 09.5W	BOTTOM 24M WIND 270 10KT WEATHER	10	16.78	33.654	339.1
					DOMINANT WAVES				
5 88.032	07/03/75	0045GMT	33 38.5N	118 13.5W	BOTTOM 37M WIND 280 10KT WEATHER 0	10	17.04	33.688	342.4
					DOMINANT WAVES 280 4 3				
5 88.033	07/03/75	0210GMT	33 36.5N	118 17.5W	BOTTOM 270M WIND 280 15KT WEATHER 0	10	17.04	33.689	342.4
					DOMINANT WAVES 280 3 5				
5 88.034	07/03/75	0351GMT	33 34.0N	118 22.0W	BOTTOM 907M WIND 260 10KT WEATHER 0	10	17.52	33.704	352.2
					DOMINANT WAVES 260 6 7				
90.027 ⁶	06/30/75	1201GMT	33 29.5N	117 45.5W	BOTTOM 43M WIND 350 3KT WEATHER	10	15.31	33.655	307.3
					DOMINANT WAVES				
90.028	06/30/75	1048GMT	33 28.5N	117 46.5W	BOTTOM 390M WIND 010 3KT WEATHER	10	15.45	33.660	309.8
					DOMINANT WAVES				
90.029	06/30/75	0915GMT	33 27.0N	117 49.5W	BOTTOM 648M WIND 290 6KT WEATHER	10	16.70	33.682	335.3
					DOMINANT WAVES				
90.030	06/30/75	0734GMT	33 25.0N	117 53.5W	BOTTOM 648M WIND 250 3KT WEATHER	10	16.66	33.672	335.1
					DOMINANT WAVES				
90.031	06/30/75	0553GMT	33 23.0N	117 58.0W	BOTTOM 464M WIND 300 5KT WEATHER	10	17.10	33.675	344.7
					DOMINANT WAVES				
90.032	06/30/75	0353GMT	33 20.5N	118 03.0W	BOTTOM 759M WIND 240 4KT WEATHER 1	10	16.42	33.673	329.8
					DOMINANT WAVES 290 3 3				
90.037	06/30/75	0101GMT	33 11.0N	118 22.5W	BOTTOM 1202M WIND 270 14KT WEATHER 1	10	16.46	33.678	330.3
					DOMINANT WAVES 280 3 6				
90.045	06/29/75	2000GMT	32 54.5N	118 55.5W	BOTTOM 1756M WIND 270 4KT WEATHER 2	10	14.54	33.811	280.0
					DOMINANT WAVES 250 3 6				
90.053	06/29/75	1452GMT	32 39.0N	119 28.5W	BOTTOM 1295M WIND 300 14KT WEATHER 2	10	14.16	33.720	279.0
					DOMINANT WAVES 310 6 5				
90.070	06/29/75	0247GMT	32 04.5N	120 38.5W	BOTTOM 3926M WIND 340 21KT WEATHER 1	10	14.27	33.518	296.0
					DOMINANT WAVES 340 10 8				
90.080	06/28/75	2104GMT	31 44.5N	121 19.5W	BOTTOM 3737M WIND 330 22KT WEATHER 1	10	15.21	33.339	328.3
					DOMINANT WAVES 340 6 7				
90.090	06/28/75	1410GMT	31 24.0N	122 01.0W	BOTTOM 3926M WIND 310 23KT WEATHER 1	10	14.86	33.304	323.6
					DOMINANT WAVES 300 8 5				
5 91.026 ⁵	06/26/75	1355GMT	33 14.5N	117 28.0W	BOTTOM 21M WIND 090 7KT WEATHER 0	10	13.16	33.650	264.7
					DOMINANT WAVES 270 2 7				
5 91.026 ⁸	06/26/75	1519GMT	33 14.0N	117 29.5W	BOTTOM 65M WIND 090 7KT WEATHER 0	10	12.52	33.639	253.5
					DOMINANT WAVES 250 2 6				
5 91.028	06/26/75	1643GMT	33 11.5N	117 34.0W	BOTTOM 667M WIND 160 7KT WEATHER 1	10	14.87	33.663	297.6
					DOMINANT WAVES 270 2 7				
5 91.029	06/26/75	1840GMT	33 09.5N	117 38.0W	BOTTOM 815M WIND 170 7KT WEATHER 0	10	14.62	33.650	293.4
					DOMINANT WAVES 250 2 4				
5 91.030	06/26/75	2030GMT	33 07.5N	117 42.0W	BOTTOM 833M WIND 210 7KT WEATHER 0	10	16.14	33.678	323.3
					DOMINANT WAVES 210 2 6				

RV DAVID STARR JORDAN

CALCOFI CRUISE 7507

					Z	T	10 METER DATA S	DATA 02	DT
93.026 ⁷	06/26/75	1124GMT	32 57.0N	117 17.5W	10	13.39	33.711		264.6
	BOTTOM 41M WIND 140 KKT WEATHER DOMINANT WAVES								
93.026 ⁹	06/26/75	1016GMT	32 57.0N	117 18.5W	10	14.12	33.656		282.9
	BOTTOM 65M WIND 200 KKT WEATHER 0 DOMINANT WAVES								
93.028	06/26/75	0840GMT	32 54.5N	117 22.0W	10	14.87	33.663		297.6
	BOTTOM 611M WIND 290 KKT WEATHER 0 DOMINANT WAVES								
93.029	06/26/75	0648GMT	32 52.5N	117 26.5W	10	15.36	33.668		307.4
	BOTTOM 611M WIND 280 KKT WEATHER 0 DOMINANT WAVES								
93.030	06/26/75	0415GMT	32 50.5N	117 31.0W	10	16.59	33.691		332.2
	BOTTOM 870M WIND 310 KKT WEATHER 0 DOMINANT WAVES 250 2 6								
93.035	06/27/75	0010GMT	32 40.5N	117 51.5W	10	15.56	33.685		310.3
	BOTTOM 685M WIND 260 KKT WEATHER 0 DOMINANT WAVES 260 2 7								
93.040	06/27/75	0255GMT	32 30.0N	118 11.5W	10	16.00	33.693		319.2
	BOTTOM 1849M WIND 300 KKT WEATHER 0 DOMINANT WAVES 280 3 7								
93.045	06/27/75	0555GMT	32 20.0N	118 32.0W	10	15.15	33.647		304.5
	BOTTOM 925M WIND 220 KKT WEATHER DOMINANT WAVES								
93.050	06/27/75	0850GMT	32 10.0N	118 52.5W	10	14.50	33.621		293.1
	BOTTOM 1572M WIND 310 KKT WEATHER DOMINANT WAVES								
93.055	06/27/75	1205GMT	32 01.0N	119 11.5W	10	14.54	33.750		284.5
	BOTTOM 1670M WIND 320 KKT WEATHER DOMINANT WAVES								
93.060	06/27/75	1510GMT	31 50.0N	119 33.5W	10	15.35	33.429		324.7
	BOTTOM 2321M WIND 310 KKT WEATHER 2 DOMINANT WAVES 320 10 6								
93.070	06/27/75	2023GMT	31 30.0N	120 14.0W	10	15.46	33.424		327.3
	BOTTOM 4021M WIND 300 KKT WEATHER 0 DOMINANT WAVES 310 12 6								
93.090	06/28/75	0805GMT	30 50.0N	121 34.5W	10	15.28	33.408		324.7
	BOTTOM 4116M WIND 330 KKT WEATHER DOMINANT WAVES								
95.028	06/25/75	0135GMT	32 37.0N	117 10.5W	10	11.96	33.646		242.8
	BOTTOM 19M WIND 310 KKT WEATHER 0 DOMINANT WAVES 270 2								
95.029	06/25/75	0335GMT	32 35.0N	117 14.5W	10	15.56	33.670		311.5
	BOTTOM 47M WIND 330 KKT WEATHER DOMINANT WAVES 250 3								
95.030	06/25/75	1814GMT	32 33.0N	117 18.5W	10	16.36	33.684		327.7
	BOTTOM 131M WIND 310 KKT WEATHER 0 DOMINANT WAVES 290 2 7								
95.031	06/25/75	2028GMT	32 31.0N	117 22.5W	10	15.70	33.694		312.7
	BOTTOM 556M WIND 300 KKT WEATHER 0 DOMINANT WAVES 300 4 5								

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7507

					Z	T	10 METER DATA S	DATA 02	DT
97.031	06/24/75	1116GMT	32 13.5N	117 13.0W	10	15.47	33.671		309.5
	BOTTOM 1156M WIND 120 KKT WEATHER 2 DOMINANT WAVES								
97.035	06/24/75	1612GMT	32 05.5N	117 28.0W	10	15.52	33.694		308.9
	BOTTOM 1295M WIND 270 KKT WEATHER 2 DOMINANT WAVES 300 2 7								
97.045	06/25/75	0024GMT	31 46.5N	118 08.5W	10	15.00	33.645		301.6
	BOTTOM 1756M WIND 300 KKT WEATHER 2 DOMINANT WAVES 300 5 7								
97.050	06/25/75	0319GMT	31 36.5N	118 31.5W	10	15.00	33.619		303.5
	BOTTOM 2434M WIND 330 KKT WEATHER 1 DOMINANT WAVES 300 5 8								
97.055	06/25/75	0715GMT	31 25.5N	118 49.5W	10	15.08	33.430		319.0
	BOTTOM 994M WIND 330 KKT WEATHER 0 DOMINANT WAVES 300 6 8								
97.060	06/25/75	1003GMT	31 15.5N	119 10.0W	10	15.66	33.572		320.7
	BOTTOM 3737M WIND 340 KKT WEATHER 0 DOMINANT WAVES 340 5 7								
97.070	06/25/75	1601GMT	30 57.0N	119 50.5W	10	15.63	33.367		335.1
	BOTTOM 3545M WIND 330 KKT WEATHER 1 DOMINANT WAVES 330 6 7								

					Z	T	S	02	DT
97.090	06/26/75	0456GMT	30 14.0N	121 11.0W	10	15.24	33.396		324.8
	BOTTOM	3869M	WIND 340	15KT WEATHER 1					
	DOMINANT WAVES	330	4	4					
100.029	06/28/75	0015GMT	31 42.0N	116 43.5W	10	13.26	33.701		262.8
	BOTTOM	131M	WIND 290	8KT WEATHER 0					
	DOMINANT WAVES	270	4	7					
100.030	06/27/75	2312GMT	31 40.5N	116 46.5W	10	12.01	33.684		240.9
	BOTTOM	425M	WIND 290	8KT WEATHER 1					
	DOMINANT WAVES	280	2	8					
100.031	06/27/75	2203GMT	31 38.5N	116 50.5W	10	13.62	33.671		272.0
	BOTTOM	116M	WIND 290	7KT WEATHER 1					
	DOMINANT WAVES	280	2	7					
100.032	06/27/75	2100GMT	31 36.5N	116 54.5W	10	15.91	33.635		321.5
	BOTTOM	1202M	WIND 270	7KT WEATHER 1					
	DOMINANT WAVES	260	3	6					
100.035	06/27/75	1832GMT	31 29.5N	117 06.5W	10	16.48	33.670		331.3
	BOTTOM	1156M	WIND 320	8KT WEATHER 1					
	DOMINANT WAVES	310	3	7					
100.040	06/27/75	1500GMT	31 18.5N	117 26.0W	10	16.24	33.623		329.5
	BOTTOM	2037M	WIND 320	8KT WEATHER 2					
	DOMINANT WAVES	310	4	7					
100.060	06/27/75	0304GMT	30 41.0N	118 47.0W	10	16.13	33.601		328.7
	BOTTOM	3075M	WIND 320	1KT WEATHER 1					
	DOMINANT WAVES	320	6	6					
100.070	06/26/75	2129GMT	30 22.0N	119 25.0W	10	16.44	33.664		330.9
	BOTTOM	3926M	WIND 320	1KT WEATHER 1					
	DOMINANT WAVES	320	6	6					
100.080	06/26/75	1537GMT	29 59.0N	120 09.5W	10	16.19	33.465		339.9
	BOTTOM	4154M	WIND 320	21KT WEATHER 1					
	DOMINANT WAVES	320	4	8					
100.090	06/26/75	1025GMT	29 39.5N	120 46.5W	10	16.61	33.569		341.5
	BOTTOM	3926M	WIND 330	14KT WEATHER 1					
	DOMINANT WAVES	49		7					
103.028 ⁸	06/28/75	0514GMT	31 08.0N	116 20.5W	10	12.25	33.678		245.7
	BOTTOM	28M	WIND 300	8KT WEATHER					
	DOMINANT WAVES								
103.029	06/28/75	0551GMT	31 07.0N	116 21.0W	10	13.60	33.637		274.1
	BOTTOM	35M	WIND 280	9KT WEATHER					
	DOMINANT WAVES								
103.030	06/28/75	0647GMT	31 06.0N	116 24.5W	10	13.40	33.650		269.2
	BOTTOM	65M	WIND 300	8KT WEATHER					
	DOMINANT WAVES								
103.031	06/28/75	0735GMT	31 03.5N	116 29.5W	10	12.82	33.593		262.4
	BOTTOM	99M	WIND 300	7KT WEATHER					
	DOMINANT WAVES	49							
103.032	06/28/75	0820GMT	31 02.0N	116 32.5W	10	14.05	33.684		279.4
	BOTTOM	187M	WIND 310	9KT WEATHER					
	DOMINANT WAVES	49							
103.035	06/28/75	1030GMT	30 56.0N	116 45.0W	10	15.94	33.643		321.5
	BOTTOM	1849M	WIND 290	8KT WEATHER					
	DOMINANT WAVES	49							
103.045	06/28/75	1712GMT	30 36.5N	117 24.0W	10	16.20	33.635		327.7
	BOTTOM	2190M	WIND 310	9KT WEATHER 2					
	DOMINANT WAVES	290	4	9					
103.050	06/28/75	2018GMT	30 26.0N	117 45.0W	10	16.09	33.665		323.2
	BOTTOM	2790M	WIND 310	1KT WEATHER 2					
	DOMINANT WAVES	320	3	7					
103.060	06/29/75	0140GMT	30 06.0N	118 25.0W	10	16.16	33.581		330.8
	BOTTOM	3545M	WIND 320	10KT WEATHER 2					
	DOMINANT WAVES	320	6	8					
103.070	06/29/75	2345GMT	29 46.5N	119 03.5W	10	16.81	33.799		329.2
	BOTTOM	3641M	WIND 330	8KT WEATHER 1					
	DOMINANT WAVES	330	5	9					
103.080	06/20/75	0508GMT	29 26.0N	119 43.5W	10	17.29	33.805		339.6
	BOTTOM	3737M	WIND 340	1KT WEATHER 1					
	DOMINANT WAVES								
103.090	06/20/75	1052GMT	29 07.0N	120 24.5W	10	17.30	33.889		333.7
	BOTTOM	3926M	WIND 350	11KT WEATHER 1					
	DOMINANT WAVES								
107.030 ³	07/02/75	1126GMT	30 28.0N	116 04.0W	10	14.58	33.695		289.3
	BOTTOM	15M	WIND 330	19KT WEATHER 0					
	DOMINANT WAVES								
107.030 ⁶	07/02/75	1039GMT	30 27.5N	116 05.5W	10	14.27	33.674		284.6
	BOTTOM	28M	WIND 330	11KT WEATHER 0					
	DOMINANT WAVES								
107.031	07/02/75	0945GMT	30 27.5N	116 07.0W	10	15.02	33.679		299.5
	BOTTOM	47M	WIND 340	9KT WEATHER 0					
	DOMINANT WAVES								

						Z	T	10 METER DATA S	DATA 02	DT
107.032	07/02/75	0832GMT	30 26.0N	116 11.5W	BOTTOM 427M WIND 330 1KT WEATHER 0	10	15.34	33.660		307.5
					DOMINANT WAVES					
107.033	07/02/75	0500GMT	30 24.0N	116 15.5W	BOTTOM 1664M WIND 340 1KT WEATHER 0	10	15.66	33.646		315.3
					DOMINANT WAVES					
107.034	07/02/75	0330GMT	30 22.5N	116 19.5W	BOTTOM 1664M WIND 330 1KT WEATHER 0	10	16.16	33.670		324.3
					DOMINANT WAVES 330 6 5					
107.040	07/01/75	2113GMT	30 11.0N	116 43.0W	BOTTOM 1856M WIND 340 1KT WEATHER 0	10	16.67	33.725		331.5
					DOMINANT WAVES 320 5 5					
107.050	07/01/75	1528GMT	29 50.5N	117 24.0W	BOTTOM 2696M WIND 340 17KT WEATHER 0	10	16.10	33.624		326.4
					DOMINANT WAVES 340 4 5					
107.060	07/01/75	1005GMT	29 31.0N	118 02.0W	BOTTOM 3737M WIND 340 14KT WEATHER 0	10	15.84	33.475		331.7
					DOMINANT WAVES 340 4 5					
107.070	07/01/75	0410GMT	29 11.0N	118 40.5W	BOTTOM 2980M WIND 350 15KT WEATHER 0	10	16.66	33.667		335.5
					DOMINANT WAVES 350 4					
107.080	06/30/75	2243GMT	28 50.5N	119 17.5W	BOTTOM 3737M WIND 350 14KT WEATHER 0	10	17.07	33.818		333.6
					DOMINANT WAVES 350 6 5					
110.031	07/02/75	1541GMT	29 52.0N	115 48.0W	BOTTOM 134M WIND 350 6KT WEATHER 2	10	14.78	33.625		298.5
					DOMINANT WAVES 310 4 6					
110.032	07/02/75	1624GMT	29 51.0N	115 49.5W	BOTTOM 39M WIND 350 9KT WEATHER 2	10	15.87	33.652		319.4
					DOMINANT WAVES 310 4 6					
110.033	07/02/75	2005GMT	29 50.0N	115 52.0W	BOTTOM 76M WIND 350 1KT WEATHER 1	10	16.39	33.671		329.3
					DOMINANT WAVES 310 4 6					
110.034	07/02/75	2112GMT	29 48.5N	115 55.5W	BOTTOM 558M WIND 340 13KT WEATHER 1	10	16.91	33.695		339.0
					DOMINANT WAVES 310 4 7					
110.035	07/02/75	2259GMT	29 46.0N	116 00.0W	BOTTOM 1169M WIND 330 1KT WEATHER 1	10	15.94	33.693		
					DOMINANT WAVES 320 4 7					
110.040	07/03/75	0225GMT	29 36.5N	116 19.5W	BOTTOM 2602M WIND 340 1KT WEATHER 1	10	16.76	33.684		336.5
					DOMINANT WAVES 330 4 5					
110.045	07/03/75	0607GMT	29 26.0N	116 40.5W	BOTTOM 632M WIND 340 12KT WEATHER	10	16.80	33.735		333.6
					DOMINANT WAVES					
110.050	07/03/75	0936GMT	29 16.5N	116 59.0W	BOTTOM 3357M WIND 330 1KT WEATHER 0	10	16.27	33.636		329.2
					DOMINANT WAVES					
110.055	07/03/75	1250GMT	29 06.0N	117 18.5W	BOTTOM 3641M WIND 340 14KT WEATHER 0	10	16.02	33.556		329.6
					DOMINANT WAVES					
110.070	07/03/75	2129GMT	28 37.5N	118 19.0W	BOTTOM 3545M WIND 330 14KT WEATHER 2	10	16.63	33.684		333.6
					DOMINANT WAVES 330 3 5					
110.080	07/04/75	0300GMT	28 16.5N	118 56.0W	BOTTOM 3926M WIND 340 11KT WEATHER 2	10	16.74	33.698		335.0
					DOMINANT WAVES 330 3 6					
113.028	07/05/75	1724GMT	29 25.0N	115 12.5W	BOTTOM 23M WIND 300 7KT WEATHER 0	10		33.770		
					DOMINANT WAVES 280 1 3					
113.029	07/05/75	1640GMT	29 24.5N	115 13.5W	BOTTOM 32M WIND 280 7KT WEATHER 0	10	11.55	33.763		226.9
					DOMINANT WAVES 280 1 3					
113.030	07/05/75	1537GMT	29 22.0N	115 18.0W	BOTTOM 62M WIND 300 8KT WEATHER 0	10	12.88	33.815		247.2
					DOMINANT WAVES 320 2 3					
113.031	07/05/75	1435GMT	29 20.0N	115 21.5W	BOTTOM 93M WIND 340 14KT WEATHER	10	14.28	33.796		275.8
					DOMINANT WAVES 330 3 6					
113.032	07/05/75	1337GMT	29 18.0N	115 25.5W	BOTTOM 112M WIND 330 10KT WEATHER	10	14.96	33.619		302.6
					DOMINANT WAVES 330 2 6					
113.035	07/05/75	1110GMT	29 13.5N	115 37.0W	BOTTOM 1058M WIND 330 12KT WEATHER	10	17.04	33.708		341.0
					DOMINANT WAVES 330 2					
113.040	07/05/75	0758GMT	29 03.0N	115 56.0W	BOTTOM 2042M WIND 330 12KT WEATHER 0	10	17.06	33.737		339.3
					DOMINANT WAVES 330					

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113.045 07/05/75 0447GMT 28 51.5N 116 16.5W BOTTOM 1912M WIND 340 1KT WEATHER 0 DOMINANT WAVES 2	10	17.31	33.739	344.8
113.060 07/04/75 2000GMT 28 22.0N 117 16.0W BOTTOM 3545M WIND 350 1KT WEATHER 1 DOMINANT WAVES 320 3 6	10	16.97	33.736	337.4
113.070 07/04/75 1425GMT 28 02.0N 117 55.0W BOTTOM 3395M WIND 320 4KT WEATHER 1 DOMINANT WAVES 320 3 6	10	17.14	33.708	343.2
113.080 07/04/75 0827GMT 27 42.0N 118 33.0W BOTTOM 3832M WIND 340 13KT WEATHER 2 DOMINANT WAVES 2	10	16.86	33.657	340.7
117.025 07/06/75 0516GMT 28 58.0N 114 37.0W BOTTOM 47M WIND 320 10KT WEATHER 0 DOMINANT WAVES	10	14.26	33.757	278.3
117.026 07/06/75 0416GMT 28 55.5N 114 41.0W BOTTOM 71M WIND 300 10KT WEATHER 0 DOMINANT WAVES	10		33.823	
117.027 07/06/75 0324GMT 28 53.0N 114 44.0W BOTTOM 78M WIND 310 10KT WEATHER 0 DOMINANT WAVES 320 3 6	10	16.22		
117.028 07/06/75 0220GMT 28 51.5N 114 48.5W BOTTOM 84M WIND 320 10KT WEATHER 0 DOMINANT WAVES 320 3 6	10	16.21	33.806	315.5
117.030 07/06/75 0043GMT 28 48.0N 114 56.5W BOTTOM 93M WIND 310 14KT WEATHER 0 DOMINANT WAVES 310 2 4	10	14.60	33.781	283.4
117.035 07/05/75 2214GMT 28 38.0N 115 16.0W BOTTOM 187M WIND 310 13KT WEATHER 0 DOMINANT WAVES 310 2 3	10	16.00	33.805	311.0
117.040 07/07/75 1418GMT 28 28.0N 115 35.5W BOTTOM 966M WIND 320 6KT WEATHER 1 DOMINANT WAVES 320 3 4	10	17.32	33.711	347.1
117.045 07/07/75 1744GMT 28 18.0N 115 56.0W BOTTOM 3718M WIND 340 10KT WEATHER 1 DOMINANT WAVES 49 3 4	10	17.50	33.731	349.7
117.050 07/07/75 2044GMT 28 07.0N 116 15.5W BOTTOM 3641M WIND 340 10KT WEATHER 1 DOMINANT WAVES 340 3 6	10	17.56	33.725	351.5
117.070 07/08/75 0717GMT 27 27.5N 117 32.5W BOTTOM 3641M WIND 360 4KT WEATHER DOMINANT WAVES	10	17.60	33.763	349.7
117.080 07/08/75 1223GMT 27 08.0N 118 10.0W BOTTOM 3926M WIND 340 10KT WEATHER DOMINANT WAVES	10	17.33	33.665	350.7
118.039 07/07/75 1145GMT 28 18.5N 115 24.0W BOTTOM 270M WIND 330 5KT WEATHER DOMINANT WAVES	10	15.45	33.632	311.9
119.033 07/07/75 0725GMT 28 19.0N 114 53.0W BOTTOM 116M WIND 300 11KT WEATHER DOMINANT WAVES	10	16.84	33.710	336.3
120.022 ⁴ 07/06/75 0955GMT 28 28.0N 114 04.5W BOTTOM 22M WIND 310 4KT WEATHER 0 DOMINANT WAVES	10	15.22	33.752	298.3
120.022 ⁷ 07/06/75 1031GMT 28 27.5N 114 05.5W BOTTOM WIND WEATHER DOMINANT WAVES	10	15.21	33.768	296.9
120.023 07/06/75 1105GMT 28 27.0N 114 07.0W BOTTOM 26M WIND 310 4KT WEATHER 0 DOMINANT WAVES	10	16.25	33.777	318.5
120.024 07/06/75 1153GMT 28 25.0N 114 10.5W BOTTOM 34M WIND 300 4KT WEATHER 0 DOMINANT WAVES 270 1 2	10	17.24	33.791	339.4
120.025 07/06/75 1241GMT 28 23.0N 114 15.0W BOTTOM 60M WIND 320 7KT WEATHER 2 DOMINANT WAVES 320 2 5	10	17.60	33.838	344.2
120.026 07/06/75 1333GMT 28 21.0N 114 18.0W BOTTOM 84M WIND 310 7KT WEATHER 2 DOMINANT WAVES 290 2 6	10	17.62	33.829	345.3
120.030 07/06/75 1533GMT 28 14.0N 114 34.5W BOTTOM 93M WIND 320 4KT WEATHER 2 DOMINANT WAVES 320 1 5	10	16.45	33.791	321.8
120.035 07/06/75 1747GMT 28 03.0N 114 54.5W BOTTOM 76M WIND 340 4KT WEATHER 1 DOMINANT WAVES 340 2 4	10	16.74	33.737	332.2
120.040 07/09/75 1752GMT 27 56.5N 115 14.0W BOTTOM 39M WIND 040 3KT WEATHER 0 DOMINANT WAVES 040 1 4	10	16.94	33.848	328.5

						Z	T	10 METER S	DATA 02	DT
120.045	07/09/75	1441GMT	27 46.5N	115 35.5W	BOTTOM 2135M WIND 020 4KT WEATHER 2 DOMINANT WAVES 340 3 6	10	17.73	33.739		354.4
120.060	07/09/75	0512GMT	27 15.5N	116 32.0W	BOTTOM 3622M WIND 340 14KT WEATHER 0 DOMINANT WAVES 340 3 5	10	18.18	33.775		362.3
120.070	07/08/75	2325GMT	26 54.5N	117 09.5W	BOTTOM 3737M WIND 350 9KT WEATHER 2 DOMINANT WAVES 350 3 6	10	17.90	33.773		355.9
120.080	07/08/75	1750GMT	26 31.5N	117 48.0W	BOTTOM 3737M WIND 330 13KT WEATHER 2 DOMINANT WAVES 360 3 5	10	18.52	33.982		355.2
123.035 ⁷	07/09/75	2250GMT	27 26.5N	114 35.0W	BOTTOM 24M WIND 310 5KT WEATHER 0 DOMINANT WAVES 270 2 6	10	17.12	33.869		331.1
123.036	07/09/75	2327GMT	27 26.0N	114 36.0W	BOTTOM 47M WIND 310 8KT WEATHER 0 DOMINANT WAVES 270 2 6	10	14.24	33.819		273.3
123.037	07/10/75	0021GMT	27 24.0N	114 40.0W	BOTTOM 63M WIND 300 9KT WEATHER 0 DOMINANT WAVES 270 2 6	10	15.00	33.606		304.4
123.038	07/10/75	0115GMT	27 21.5N	114 44.5W	BOTTOM 78M WIND 300 9KT WEATHER 1 DOMINANT WAVES 270 2 4	10	16.44	33.692		328.8
123.039	07/10/75	0207GMT	27 20.0N	114 47.5W	BOTTOM 104M WIND 300 9KT WEATHER 2 DOMINANT WAVES 290 2 4	10	18.00	33.813		355.3
123.042	07/10/75	0414GMT	27 14.5N	114 59.5W	BOTTOM 1579M WIND 310 9KT WEATHER DOMINANT WAVES	10	18.68	33.904		364.7
123.045	07/10/75	0653GMT	27 08.0N	115 10.5W	BOTTOM 4116M WIND 320 8KT WEATHER DOMINANT WAVES	10	18.44	33.761		369.4
123.050	07/10/75	1002GMT	26 58.0N	115 30.5W	BOTTOM 3451M WIND 320 4KT WEATHER DOMINANT WAVES	10	18.44	33.817		365.3
127.032 ⁶	07/11/75	1427GMT	26 58.0N	114 01.0W	BOTTOM 22M WIND 300 12KT WEATHER 4 DOMINANT WAVES 49	10	12.48	33.962		229.0
127.033	07/11/75	1352GMT	26 57.5N	114 02.0W	BOTTOM 63M WIND 300 14KT WEATHER 4 DOMINANT WAVES 49	10	12.14	33.806		234.2
127.034	07/11/75	1246GMT	26 55.5N	114 06.0W	BOTTOM 76M WIND 310 12KT WEATHER 1 DOMINANT WAVES 310 2 5	10	15.52	33.943		290.7
127.035	07/11/75	1154GMT	26 53.0N	114 10.5W	BOTTOM 80M WIND 310 10KT WEATHER 0 DOMINANT WAVES	10	16.56	33.994		309.4
127.036	07/11/75	1037GMT	26 50.5N	114 14.0W	BOTTOM 565M WIND 310 7KT WEATHER 0 DOMINANT WAVES	10	15.37	33.689		306.1
127.040	07/11/75	0754GMT	26 43.5N	114 29.0W	BOTTOM 3112M WIND 310 10KT WEATHER 0 DOMINANT WAVES	10	19.17	33.878		378.4
127.045	07/11/75	0445GMT	26 33.5N	114 48.5W	BOTTOM 3263M WIND 330 12KT WEATHER 0 DOMINANT WAVES	10	17.71	33.719		355.4
127.050	07/11/75	0141GMT	26 26.5N	115 06.0W	BOTTOM 3737M WIND 340 12KT WEATHER 1 DOMINANT WAVES 340 3 6	10	18.47	33.890		360.7
127.060	07/10/75	2111GMT	26 04.5N	115 44.5W	BOTTOM 3357M WIND 350 9KT WEATHER 2 DOMINANT WAVES 350 2 6	10	17.80	33.725		357.1
130.025 ⁶	07/11/75	1954GMT	26 38.0N	113 11.5W	BOTTOM 22M WIND 260 14KT WEATHER 4 DOMINANT WAVES 230 2 5	10	12.40	34.068		219.7
130.026	07/11/75	2025GMT	26 37.0N	113 13.0W	BOTTOM 28M WIND 260 14KT WEATHER 4 DOMINANT WAVES 230 2 4	10	12.14	34.059		215.6
130.027	07/11/75	2114GMT	26 35.0N	113 17.0W	BOTTOM 45M WIND 260 14KT WEATHER 4 DOMINANT WAVES 260 2 5	10	17.11	34.117		312.8
130.028	07/11/75	2154GMT	26 32.5N	113 21.5W	BOTTOM 48M WIND 260 14KT WEATHER 1 DOMINANT WAVES 260 2 4	10	14.74	34.045		266.9
130.029	07/11/75	2244GMT	26 31.0N	113 25.0W	BOTTOM 54M WIND 260 14KT WEATHER 1 DOMINANT WAVES 260 2 4	10	16.50	34.101		300.3

RV ALEXANDER AGASSIZ		CALCOFI CRUISE 7507		Z	T	10 METER DATA S	DATA 02	DT
130.030	07/11/75 2335GMT 26 29.0N 113 29.0W BOTTOM 67M WIND 270 14KT WEATHER 1 DOMINANT WAVES 270 2 4	10	18.38	34.088	344.2			
130.035	07/12/75 0209GMT 26 19.0N 113 48.5W BOTTOM 353M WIND 300 13KT WEATHER 1 DOMINANT WAVES 300 4 4	10	17.48	33.861	339.8			
130.040	07/12/75 0505GMT 26 09.0N 114 07.0W BOTTOM 2227M WIND 320 13KT WEATHER DOMINANT WAVES	10	19.82	33.898	392.9			
130.060	07/12/75 1603GMT 25 28.5N 115 21.5W BOTTOM 3451M WIND 340 10KT WEATHER 1 DOMINANT WAVES 340 2 6	10	19.41	33.898	382.8			
133.020 ⁶	07/14/75 1435GMT 26 13.5N 112 31.0W BOTTOM 37M WIND 310 5KT WEATHER 1 DOMINANT WAVES 49	10	15.31	34.083	276.0			
133.021	07/14/75 1359GMT 26 12.5N 112 32.5W BOTTOM 48M WIND 310 5KT WEATHER 1 DOMINANT WAVES 49	10	17.96	34.099	333.6			
133.022	07/14/75 1307GMT 26 10.5N 112 36.5W BOTTOM 60M WIND 340 6KT WEATHER 1 DOMINANT WAVES 4 7	10	17.09	34.041	317.8			
133.023	07/14/75 1209GMT 26 08.5N 112 40.0W BOTTOM 63M WIND 340 6KT WEATHER 1 DOMINANT WAVES	10	18.61	34.020	354.6			
133.024	07/14/75 1109GMT 26 06.5N 112 44.0W BOTTOM 76M WIND 360 6KT WEATHER DOMINANT WAVES	10	18.92	33.944	367.6			
133.025	07/14/75 1004GMT 26 04.0N 112 47.5W BOTTOM 76M WIND 350 6KT WEATHER DOMINANT WAVES	10	15.35	33.844	294.3			
133.030	07/14/75 0701GMT 25 55.0N 113 06.5W BOTTOM 362M WIND 340 7KT WEATHER 0 DOMINANT WAVES	10	16.93	33.856	327.7			
133.035	07/14/75 0429GMT 25 44.5N 113 26.5W BOTTOM 595M WIND 340 7KT WEATHER 0 DOMINANT WAVES	10	18.44	33.795	366.9			
133.040	07/14/75 0121GMT 25 41.5N 113 45.5W BOTTOM 2509M WIND 070 4KT WEATHER 1 DOMINANT WAVES 070 5 7	10	19.56	33.902	386.2			
133.060	07/12/75 2055GMT 24 56.5N 115 03.5W BOTTOM 3832M WIND 350 7KT WEATHER 0 DOMINANT WAVES 340 4 6	10	21.18	33.982	421.3			
137.020 ⁷	07/14/75 1840GMT 25 38.5N 112 10.0W BOTTOM 19M WIND 310 9KT WEATHER 2 DOMINANT WAVES 190 4 7	10	16.36	34.069	299.6			
137.022	07/14/75 1941GMT 25 36.0N 112 14.5W BOTTOM 41M WIND 300 6KT WEATHER 2 DOMINANT WAVES 190 4 7	10	18.86	34.026	360.2			
137.023	07/14/75 2037GMT 25 34.0N 112 18.5W BOTTOM 69M WIND 310 7KT WEATHER 0 DOMINANT WAVES 310 2 5	10	21.10	34.044	414.7			
137.024	07/14/75 2134GMT 25 32.0N 112 23.0W BOTTOM 80M WIND 310 5KT WEATHER 1 DOMINANT WAVES 210 2 8	10	23.28	33.902	483.3			
137.030	07/15/75 0032GMT 25 20.0N 112 45.5W BOTTOM 345M WIND 290 6KT WEATHER 2 DOMINANT WAVES 190 3 5	10	19.74	33.829	395.9			
137.035	07/15/75 0346GMT 25 10.0N 113 04.5W BOTTOM 1429M WIND 350 7KT WEATHER DOMINANT WAVES	10	17.28	33.746	343.6			
137.040	07/15/75 0651GMT 25 00.0N 113 23.5W BOTTOM 3680M WIND 300 5KT WEATHER DOMINANT WAVES	10	20.20	33.808	408.9			
137.050	07/15/75 1156GMT 24 40.0N 114 02.0W BOTTOM 3832M WIND 030 11KT WEATHER DOMINANT WAVES	10	23.34	34.342	453.2			