

# data report

PHYSICAL, CHEMICAL AND CURRENT METER DATA

CalCOFI CRUISE 7601  
6-7 January 1976

CalCOFI CRUISE 7602  
16-20 February 1976

CRUISE 7603 (TWATE III)  
30 March-2 April 1976

CRUISE 7604  
17 April-10 May 1976

CRUISE 7611  
11 November 1976

SIO Reference 88-4  
29 February 1988

UNIVERSITY OF CALIFORNIA  
SCRIPPS INSTITUTION OF OCEANOGRAPHY

PHYSICAL, CHEMICAL AND CURRENT METER DATA

CalCOFI CRUISE 7601  
6-7 January 1976

CalCOFI CRUISE 7602  
16-20 February 1976

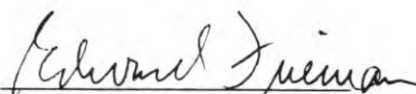
CRUISE 7603 (TWATE III)  
30 March-2 April 1976

CRUISE 7604  
16 April-10 May 1976

CRUISE 7611  
11 November 1976

SIO Reference 88-4  
29 February 1988

Approved for distribution:

  
Edward A. Frieman, Director

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## INTRODUCTION

The data in this report were collected during CalCOFI Cruises 7601\* and 7602, and Cruises 7603 and 7604 aboard the RV *Alexander Agassiz*, and Cruise 7611 aboard the RV *Ellen B. Scripps* of the Scripps Institution of Oceanography, University of California, San Diego. Although all these cruises were in the area of the California Cooperative Oceanic Fisheries Investigations (CalCOFI), only during 7601 and 7602 were planned CalCOFI station positions occupied. Cruise 7603 was a Two-Way Acoustic Transmission Experiment (TWATE III) on which the principle work accomplished was sound velocity analyses in the vicinity of locations 33°N, 118°W and 31°N, 120°W. The object of Cruise 7604 was to investigate eddies in the California Current, to determine their size, their movement in relationship to other currents, and the length of time they remain a distinguishable feature. A series of airborne expendable bathythermographs (AXBTs) used in a program to observe the thermal structure in the Central Pacific were calibrated by comparison with eight STD lowerings during Cruise 7611. This field program has been described in SIO Reference 76-19, Observation of Thermal Structure in the Central Pacific, T. P. Barnett, M. H. Sessions, and P. M. Marshall.

These data were collected and processed by personnel of the Data Collection and Processing Group, Marine Life Research Group (DCPG\*\*, MLRG), Scripps Institution of Oceanography.

## STANDARD PROCEDURES

The difference in purpose of the five cruises in this report results in a variation of the data collected. Hydrographic casts were made on all cruises but varied from only one cast of eight Nansen bottles on the STD wire for Cruise 7601 to 20 casts of 18 Nansen bottles on the hydrographic wire for Cruise 7604. Temperature and salinity were determined for all depths sampled. Oxygen and nutrients were determined for Cruise 7602 only. On Cruise 7601 the four free vehicle current meters which had been deployed during CalCOFI Cruise 7510 were recovered.

On STD lowerings during Cruises 7601, 7602, 7603, and 7611 where hydrographic casts were not made, a Nansen bottle was usually placed a few meters above the STD and another bottle was lowered to approximately 10 meters. During Cruise 7602, both down and up recordings from the STD were made on two separate DDL systems as well as analog traces for all lowerings.

Paired protected reversing thermometers were used on all Nansen bottle casts 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 depth of sampling.

Salinity samples were determined at sea using inductive-type salinometers. The salinity values are recorded to three decimal places.

Dissolved oxygen on Cruise 7602 was determined by the Winkler method as modified by Carpenter (1965), using the equipment and procedure outlined by Anderson (1971).

Silicate, nitrate and nitrite for Cruise 7602 were determined at sea using an automated analyzer. The procedures used are similar to those described in Atlas *et al.* (1971). Phosphate samples were determined using a Gilford modified DU spectrophotometer. Reactive phosphate was analyzed using the method of Murphy and Riley (1962), with the specific 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.

The STD data for Cruises 7601, 7604, and 7611 were processed by computer from the DDL recordings and appear to compare well with the hydrographic data. Although extra effort was made on Cruise 7603 to compare the STD recordings on two separate DDL instruments, the tabulated data were digitized from the analog traces and also

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

\*\* Now the Oceanographic Data Facility (ODF).

appear to compare well with the hydrographic data.

### TABULATED DATA

The reported hydrographic cast time is the Greenwich Mean Time (GMT) of the messenger release. Bottom depths, determined acoustically, have been corrected using Matthews (1939) tables and are reported in meters. Weather conditions have been coded using WMO code 4051.

Data tabulations are presented in the following forms:

1) Data from the sample bottle casts are tabulated with the observed levels of depth on the left of the page, and standard depth values of temperature, salinity and oxygen interpolated from these observations are on the right of the 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) Calibration of the AXBTs on Cruise 7611 required the data from the STD to be tabulated at approximately 10 meter intervals of depth. The additional computed values are tabulated for each depth.

4) Current meter speed and direction data were calculated over one-half-hour intervals. This report includes only the resultant speeds and directions for the entire record lengths.

The same parameters have been tabulated in this report as in previous reports. Cruises 7601 and 7602 have the CalCOFI station designations which have been in use for over thirty years. The first part specifies a line normal to the general trend of the coastline (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
PO4	"Reactive" inorganic phosphate-phosphorous	µg at/L
SiO3	"Reactive" inorganic silicate-silicon	µg at/L
NO2	"Reactive" nitrite-nitrogen	µg at/L
NO3	"Reactive" nitrate-nitrogen	µg at/L
DT	$\delta_T$ Thermosteric anomaly	cl/ton
SIGT	$\sigma_t = (\rho_{s,t,0} - 1) 10^3$ where $\rho_{s,t,0}$ is the density the parcel of sea water would have if moved isothermally to the sea surface.	g/L
DD	Geopotential anomaly, referred to the sea surface.	dyn. meters

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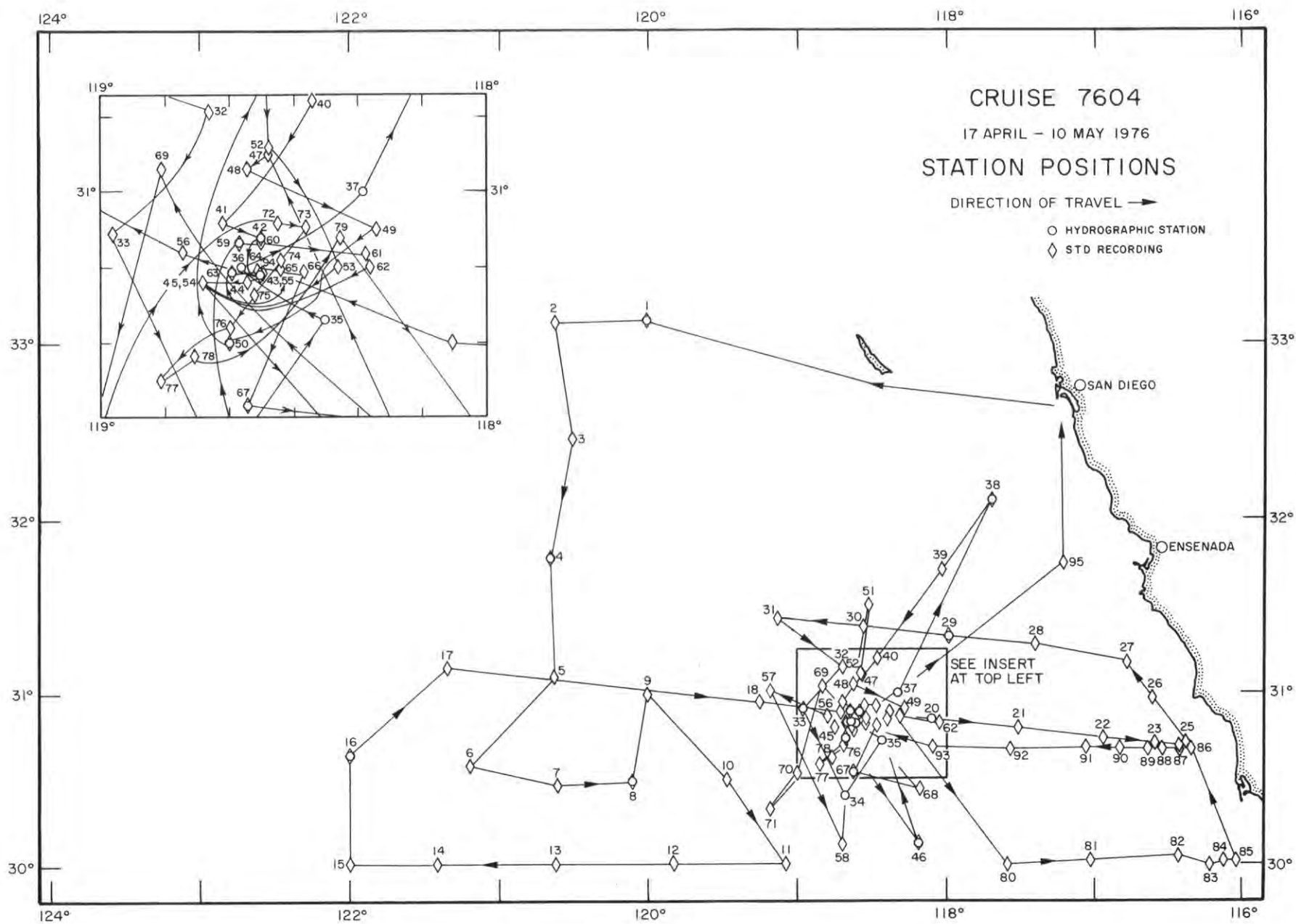


FIGURE 4

PERSONNEL

Cruise 7604

SHIP'S CAPTAIN

Davis, Laurence E., RV *Alexander Agassiz*

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

Schwartzlose, Richard A. (in charge)	Academic Administrator, SIO
Brown, Daniel M.	Associate Development Engineer, SIO
Kellogg, Durrant	Marine Technician, SIO
Mead, Richard V.	Marine Technician, SIO
Schmitt, James A.	Electronics Technician, SIO



## RV ALEXANDER AGASSIZ

## CRUISE 7604

## STATION 1

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 8.0 N	120 0.0 W	04/18/76	0025 GMT		1298 M	320	15 KT	1	310 10 09						
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	12.31	33.696						245.4	0	12.31	33.696		25.539	245.4	0.000
11	12.26	33.697						244.4	10	12.27	33.697		25.548	244.6	0.025
30	12.10	33.697						241.5	20	12.18	33.697		25.564	243.0	0.049
44	12.07	33.698						240.9	30	12.10	33.697		25.580	241.5	0.073
54	12.04	33.700						240.2	50	12.05	33.699		25.590	240.5	0.122
68	11.94	33.704						238.1	75	11.58	33.721		25.695	230.6	0.181
83	10.97	33.754						217.5	100	9.30	33.881		26.215	181.2	0.233
97	9.47	33.862						185.1	125	8.70	33.977		26.387	164.9	0.277
121	8.75	33.967						166.4	150	8.31	34.027		26.485	155.5	0.317
140	8.53	34.006						160.3	200	7.86	34.084		26.597	144.9	0.394
169	7.93	34.061						147.6	250	7.59	34.150		26.689	136.2	0.466
198	7.88	34.084						145.2	300	7.32	34.206		26.770	128.5	0.534
226	7.56	34.093						140.1	400	6.45	34.255		26.822	113.5	0.661
264	7.60	34.182						134.0	500	5.73	34.318		27.070	100.1	0.773
322	7.09	34.209						125.1							
374	6.65	34.242						117.0							
432	6.22	34.272						109.4							
489	5.80	34.311						101.4							

STATION 1U					RV ALEXANDER AGASSIZ					CALCOFI CRUISE 7604					STATION 2U				
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM					
33 08.0 N	120 00.0 W	04/17/76	2259 GMT	1298 M	33 06.5 N	120 37.0 W	04/18/76	0440 GMT	3926 M										
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS				
320	15 KT	310 10 09	1	1022.7 MB	12.2 C	10.9 C	1/8 SC	340	18 KT	330 10 06	1	1023.4 MB	11.8 C	10.0 C	3/8 SC				
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD								
0	12.29	33.69	25.538	245.5	0.000	0	13.18	33.46	25.186	278.9	0.000								
10	12.27	33.68	25.534	245.8	0.025	10	13.18	33.46	25.186	278.9	0.028								
20	12.14	33.69	25.567	242.8	0.049	20	13.18	33.46	25.186	278.9	0.056								
30	12.05	33.69	25.584	241.1	0.073	30	13.18	33.46	25.186	278.9	0.084								
40	12.00	33.69	25.593	240.2	0.097	40	13.17	33.46	25.188	278.7	0.112								
50	11.98	33.69	25.597	239.9	0.122	50	13.17	33.46	25.188	278.7	0.140								
75	10.65	33.76	25.893	211.7	0.178	75	12.78	33.50	25.296	268.5	0.209								
100	8.99	33.91	26.288	174.2	0.227	100	11.42	33.56	25.600	239.5	0.273								
125	8.55	33.99	26.419	161.7	0.270	125	10.34	33.68	25.885	212.5	0.330								
150	8.19	34.03	26.505	153.6	0.310	150	9.57	33.80	26.109	191.3	0.381								
175	7.89	34.05	26.566	147.8	0.348	175	8.94	33.93	26.312	172.0	0.427								
200	7.76	34.09	26.616	143.1	0.385	200	8.55	33.99	26.419	161.7	0.470								
225	7.73	34.14	26.660	138.9	0.421	225	8.24	34.03	26.498	154.3	0.510								
250	7.66	34.17	26.694	135.7	0.457	250	7.88	34.05	26.568	147.7	0.549								
275	7.40	34.18	26.739	131.4	0.491	275	7.58	34.07	26.627	142.1	0.586								
300	7.06	34.20	26.802	125.4	0.524	300	7.32	34.10	26.687	136.3	0.622								
350	6.68	34.22	26.870	119.0	0.588	350	6.92	34.14	26.774	128.1	0.691								
400	6.28	34.27	26.962	110.3	0.648	400	6.57	34.18	26.853	120.6	0.756								
450	5.94	34.28	27.014	105.4	0.705	450	6.15	34.21	26.932	113.2	0.817								
500	5.81	34.31	27.053	101.6	0.759	500	5.84	34.25	27.002	106.4	0.875								
537	5.65	34.31	27.073	99.7	0.799	547	5.52	34.28	27.066	100.5	0.927								

STATION 3U					RV ALEXANDER AGASSIZ					CALCOFI CRUISE 7604					STATION 4U				
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM					
32 27.0 N	120 30.5 W	04/18/76	0945 GMT	3908 M	31 47.0 N	120 39.0 W	04/18/76	1457 GMT	4117 M										
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS				
340	24 KT	340 10 06	1	1023.7 MB	12.8 C	10.8 C	7/8 SC	320	19 KT	330 09 08	2	1022.7 MB	13.1 C	11.1 C	8/8 SC				
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD								
0	13.01	33.51	25.259	272.1	0.000	0	12.79	33.48	25.279	270.1	0.000								
10	13.01	33.50	25.251	272.8	0.027	10	12.79	33.48	25.279	270.1	0.027								
20	13.01	33.50	25.251	272.8	0.055	20	12.79	33.48	25.279	270.1	0.054								
30	13.01	33.50	25.251	272.8	0.082	30	12.79	33.48	25.279	270.1	0.081								
40	13.01	33.51	25.259	272.1	0.109	40	12.80	33.48	25.277	270.3	0.108								
50	12.96	33.54	25.292	268.9	0.136	50	12.79	33.48	25.279	270.1	0.135								
75	10.95	33.67	25.771	223.4	0.198	75	11.87	33.51	25.478	251.2	0.201								
100	10.18	33.74	25.959	205.4	0.252	100	10.59	33.63	25.803	220.3	0.260								
125	9.71	33.80	26.085	193.5	0.303	125	9.65	33.81	26.103	191.8	0.312								
150	9.32	33.90	26.227	180.0	0.350	150	9.25	33.88	26.223	180.4	0.360								
175	9.00	33.98	26.341	169.2	0.395	175	8.71	33.98	26.387	164.8	0.404								
200	8.56	34.04	26.457	158.2	0.436	200	8.16	34.03	26.510	153.1	0.444								
225	8.43	34.07	26.500	154.1	0.476	225	7.70	34.04	26.586	145.9	0.482								
250	8.07	34.10	26.578	146.7	0.515	250	7.47	34.06	26.635	141.3	0.519								
275	7.78	34.12	26.637	141.1	0.552	275	7.21	34.07	26.679	137.1	0.555								
300	7.62	34.14	26.676	137.4	0.588	300	6.77	34.07	26.740	131.3	0.590								
350	6.93	34.15	26.781	127.4	0.657	350	6.64	34.18	26.844	121.5	0.655								
400	6.48	34.17	26.857	120.2	0.722	400	6.41	34.23	26.914	114.8	0.717								
450	6.22	34.23	26.938	112.5	0.783	450	6.14	34.26	26.972	109.3	0.776								
500	6.00	34.30	27.022	104.6	0.840	500	5.94	34.29	27.022	104.6	0.833								
						542	5.70	34.31	27.067	100.3	0.879								

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
31 47.0 N		120 39.0 W		04/18/76	1544 GMT	4117 M	320	19 KT	2	330 09 08					
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	12.86	33.444						274.1	0	12.86	33.444		25.237	274.1	0.000
11	12.86	33.441						274.3	10	12.86	33.442		25.235	274.3	0.027
32	12.82	33.466						271.7	20	12.85	33.450		25.245	273.4	0.055
47	12.80	33.477						270.5	30	12.82	33.463		25.259	272.0	0.082
57	12.47	33.472						264.8	50	12.71	33.475		25.290	269.1	0.136
72	12.05	33.518						253.8	75	11.93	33.521		25.476	251.4	0.202
87	11.37	33.541						240.1	100	10.72	33.622		25.774	223.0	0.262
101	10.67	33.629						221.7	125	9.83	33.775		26.046	197.2	0.315
126	9.80	33.780						196.4	150	9.27	33.892		26.229	179.9	0.363
145	9.36	33.872						182.7	200	8.23	34.029		26.499	154.2	0.448
174	8.85	33.968						167.8	250	7.58	34.065		26.622	142.5	0.524
203	8.16	34.034						152.9	300	7.01	34.057		26.698	135.4	0.596
232	7.73	34.058						145.0	400	6.48	34.215		26.892	116.9	0.727
270	7.44	34.067						140.4	500	5.98	34.272		27.001	106.5	0.845
328	6.64	34.065						130.1							
381	6.57	34.192						119.7							
441	6.26	34.244						112.0							
503	5.97	34.273						106.3							

STATION 5U		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7604				STATION 6D					
LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM	LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM		
31 05.0 N		120 38.0 W		04/18/76	2049 GMT	3964 M	30 35.0 N		121 11.0 W		04/19/76	0245 GMT	4117 M		
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
340	17 KT	340 08 07	1	1023.4 MB	15.9 C	13.7 C	7/8 SC	340	12 KT	340 08 08	2	1022.7 MB	13.0 C	10.2 C	8/8 SC
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD				
0	13.00	33.48	25.237	274.1	0.000	0	13.48	33.33	25.026	294.2	0.000				
10	12.99	33.48	25.239	273.9	0.027	10	13.48	33.33	25.026	294.2	0.029				
20	12.95	33.48	25.247	273.1	0.055	20	13.48	33.33	25.026	294.2	0.059				
30	12.94	33.48	25.249	272.9	0.082	30	13.48	33.33	25.026	294.2	0.088				
40	12.94	33.48	25.249	272.9	0.110	40	13.44	33.32	25.026	294.2	0.118				
50	12.93	33.49	25.259	272.0	0.137	50	13.33	33.31	25.040	292.8	0.147				
75	12.10	33.41	25.358	262.6	0.204	75	12.86	33.23	25.072	289.8	0.221				
100	10.55	33.64	25.818	218.9	0.265	100	12.35	33.29	25.217	276.0	0.292				
125	9.81	33.78	26.053	196.5	0.317	125	11.15	33.37	25.502	248.9	0.358				
150	9.19	33.89	26.240	178.7	0.365	150	10.05	33.57	25.849	215.9	0.417				
175	8.80	33.97	26.365	166.9	0.409	175	9.59	33.77	26.082	193.8	0.469				
200	8.34	34.04	26.491	155.0	0.450	200	8.79	33.93	26.335	169.7	0.515				
225	8.04	34.08	26.567	147.7	0.489	225	8.42	33.99	26.440	159.8	0.557				
250	7.85	34.11	26.619	142.8	0.526	250	8.12	34.01	26.500	154.1	0.598				
275	7.66	34.15	26.678	137.2	0.562	275	7.76	34.05	26.585	146.0	0.636				
300	7.37	34.16	26.727	132.5	0.597	300	7.47	34.06	26.635	141.3	0.673				
350	6.87	34.20	26.828	123.0	0.663	350	7.09	34.12	26.735	131.8	0.744				
400	6.47	34.22	26.898	116.4	0.726	400	6.59	34.16	26.835	122.3	0.811				
450	6.08	34.25	26.972	109.3	0.785	450	6.16	34.22	26.938	112.5	0.872				
500	5.77	34.28	27.035	103.4	0.842	500	5.75	34.24	27.006	106.1	0.930				
530	5.70	34.30	27.059	101.1	0.874	538	5.62	34.27	27.045	102.4	0.972				

STATION 7U		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7604				STATION 8U					
LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM	LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM		
30 28.0 N		120 37.5 W		04/19/76	0740 GMT	3889 M	30 29.0 N		120 06.0 W		04/19/76	1132 GMT	2135 M		
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
360	16 KT	360 08 07	1	1022.7 MB	13.0 C	10.8 C	7/8 SC	350	12 KT	340 08 08	1	1021.3 MB	12.6 C	11.0 C	7/8 SC
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD				
0	13.67	33.60	25.195	278.1	0.000	0	14.11	33.62	25.119	285.3	0.000				
10	13.68	33.60	25.193	278.3	0.028	10	14.11	33.62	25.119	285.3	0.029				
20	13.64	33.60	25.201	277.5	0.056	20	14.11	33.62	25.119	285.3	0.057				
30	13.49	33.61	25.239	273.9	0.083	30	14.09	33.62	25.123	284.9	0.086				
40	13.48	33.61	25.241	273.7	0.111	40	14.02	33.62	25.138	283.5	0.114				
50	13.38	33.61	25.262	271.8	0.138	50	13.59	33.61	25.219	275.8	0.142				
75	12.02	33.59	25.512	247.9	0.204	75	10.80	33.62	25.759	224.5	0.205				
100	10.23	33.64	25.873	213.6	0.262	100	9.76	33.78	26.061	195.7	0.258				
125	9.36	33.77	26.120	190.2	0.313	125	9.17	33.90	26.252	177.7	0.305				
150	8.99	33.92	26.296	173.5	0.359	150	8.80	33.97	26.365	166.9	0.349				
175	8.60	33.98	26.404	163.2	0.402	175	8.29	34.05	26.506	153.5	0.390				
200	8.25	34.01	26.481	155.9	0.442	200	7.96	34.07	26.571	147.3	0.428				
225	7.83	34.04	26.567	147.7	0.481	225	7.69	34.08	26.619	142.8	0.466				
250	7.61	34.06	26.615	143.2	0.519	250	7.47	34.11	26.674	137.6	0.502				
275	7.19	34.07	26.682	136.8	0.555	275	7.07	34.08	26.707	134.5	0.537				
300	7.17	34.15	26.748	130.6	0.589	300	6.90	34.16	26.793	126.3	0.570				
350	6.86	34.22	26.846	121.3	0.655	350	6.80	34.24	26.869	119.1	0.634				
400	6.48	34.24	26.912	115.0	0.717	400	6.53	34.25	26.914	114.9	0.695				
450	6.18	34.27	26.975	109.0	0.775	450	6.26	34.28	26.973	109.3	0.754				
500	5.90	34.29	27.026	104.2	0.832	500	5.96	34.30	27.027	104.1	0.811				
550	5.59	34.32	27.088	98.3	0.886	544	5.72	34.32	27.072	99.8	0.859				
580	5.37	34.32	27.115	95.7	0.917										

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
30 29.0 N		120 6.0 W		04/19/76	1211	1227	GMT	2135 M	350	12 KT	1	340 08 08			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	STGT	DT	DD
1	14.08	33.627						284.2	0	14.08	33.627		25.131	284.2	0.000
11	14.09	33.626						284.5	10	14.09	33.627		25.129	284.4	0.028
31	14.09	33.623						284.7	20	14.09	33.625		25.127	284.6	0.057
46	14.00	33.618						283.3	30	14.09	33.624		25.126	284.7	0.085
55	13.76	33.617						278.6	50	13.89	33.604		25.152	282.2	0.142
70	11.51	33.563						240.9	75	11.13	33.576		25.665	233.4	0.207
85	10.65	33.624						221.7	100	10.05	33.736		25.978	203.6	0.262
99	10.09	33.729						204.8	125	9.24	33.888		26.231	179.7	0.311
123	9.29	33.878						181.2	150	8.67	33.991		26.401	163.5	0.354
142	8.85	33.959						168.5	200	7.82	34.049		26.575	147.0	0.433
170	8.27	34.049						153.3	250	7.28	34.069		26.669	138.1	0.507
198	7.84	34.047						147.4	300	7.08	34.164		26.771	128.4	0.575
226	7.61	34.073						142.3	400	6.54	34.255		26.916	114.6	0.702
263	7.11	34.070						135.8	500	5.97	34.310		27.033	103.5	0.817
320	7.06	34.211						124.6							
372	6.70	34.239						117.8							
430	6.37	34.272						111.2							
491	5.99	34.308						103.9							

STATION 9U		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7604				STATION 10D					
LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM	LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM		
31 00.0 N		120 00.0 W		04/19/76	1705	GMT	4117	30 30.0 N	119 28.0 W		04/19/76	2143	GMT	3926	M
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
340	12 KT	340 06 07	1	1023.4 MB	13.8 C	12.1 C	7/8 SC	340	11 KT	340 07 07	1	1022.0 MB	16.8 C	14.0 C	7/8 SC
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD				
0	13.97	33.64	25.164	281.1	0.000	0	14.69	33.58	24.966	299.9	0.000				
10	13.95	33.65	25.176	279.9	0.028	10	14.55	33.57	24.988	297.8	0.030				
20	13.95	33.65	25.176	279.9	0.056	20	14.48	33.58	25.011	295.7	0.060				
30	13.92	33.65	25.182	279.3	0.084	30	14.45	33.58	25.017	295.0	0.089				
40	13.80	33.64	25.199	277.7	0.112	40	14.38	33.57	25.024	294.4	0.119				
50	12.32	33.62	25.478	251.2	0.139	50	14.26	33.56	25.042	292.7	0.148				
75	10.48	33.66	25.846	216.2	0.197	75	12.58	33.47	25.312	267.0	0.219				
100	9.69	33.81	26.096	192.4	0.249	100	11.06	33.45	25.580	241.5	0.283				
125	9.18	33.90	26.250	177.8	0.296	125	9.97	33.66	25.933	207.9	0.339				
150	8.82	33.96	26.354	168.0	0.340	150	9.46	33.82	26.142	188.1	0.390				
175	8.40	34.03	26.474	156.6	0.381	175	8.79	33.90	26.312	172.0	0.435				
200	8.17	34.05	26.524	151.8	0.420	200	8.39	33.98	26.436	160.2	0.478				
225	7.77	34.09	26.615	143.2	0.458	225	8.10	34.01	26.503	153.8	0.518				
250	7.55	34.12	26.670	137.9	0.494	250	7.78	34.05	26.582	146.3	0.556				
275	7.35	34.13	26.707	134.5	0.529	275	7.24	34.03	26.644	140.5	0.593				
300	7.13	34.15	26.753	130.1	0.564	300	6.80	34.04	26.712	134.0	0.629				
350	6.70	34.19	26.844	121.5	0.629	350	6.34	34.09	26.813	124.4	0.696				
400	6.51	34.23	26.900	116.1	0.691	400	5.96	34.17	26.924	113.9	0.758				
450	6.21	34.28	26.979	108.7	0.750	450	5.94	34.28	27.014	105.4	0.815				
500	5.82	34.30	27.044	102.5	0.806	500	5.69	34.30	27.061	100.9	0.870				
545	5.67	34.33	27.087	98.5	0.854	532	5.50	34.31	27.092	98.0	0.904				

STATION 11U		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7604				STATION 12U					
LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM	LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM		
30 00.0 N		119 05.0 W		04/20/76	0245	GMT	3926	30 00.0 N	119 50.0 W		04/20/76	0826	GMT	2135	M
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
340	18 KT	340 08 08	1	1021.0 MB	14.8 C	13.5 C	1/8 SC	350	12 KT		2	1021.0 MB	13.1 C	12.1 C	8/8 SC
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD				
0	14.60	33.56	24.970	299.5	0.000	0	14.26	33.42	24.934	302.9	0.000				
10	14.55	33.56	24.980	298.5	0.030	10	14.26	33.43	24.942	302.2	0.030				
20	14.40	33.55	25.004	296.2	0.060	20	14.26	33.42	24.934	302.9	0.061				
30	14.39	33.55	25.007	296.0	0.089	30	14.18	33.43	24.958	300.6	0.091				
40	14.38	33.55	25.009	295.8	0.119	40	14.09	33.45	24.993	297.4	0.121				
50	14.30	33.54	25.018	294.9	0.149	50	13.65	33.51	25.130	284.3	0.150				
75	13.05	33.52	25.258	272.1	0.220	75	11.94	33.41	25.388	259.8	0.218				
100	11.68	33.52	25.522	247.0	0.285	100	10.98	33.59	25.703	229.8	0.280				
125	10.32	33.69	25.897	211.4	0.343	125	9.75	33.80	26.079	194.1	0.334				
150	9.50	33.80	26.120	190.2	0.394	150	9.25	33.88	26.223	180.4	0.381				
175	8.86	33.93	26.324	170.8	0.440	175	8.73	33.93	26.345	168.8	0.426				
200	8.57	33.99	26.416	162.0	0.483	200	8.28	34.02	26.484	155.6	0.467				
225	8.16	34.03	26.510	153.1	0.523	225	8.03	34.06	26.553	149.1	0.506				
250	7.90	34.05	26.564	148.0	0.562	250	7.69	34.08	26.619	142.8	0.543				
275	7.51	34.09	26.652	139.6	0.599	275	7.35	34.07	26.660	139.0	0.580				
300	7.26	34.11	26.704	134.8	0.634	300	7.22	34.13	26.725	132.7	0.615				
350	6.90	34.18	26.809	124.8	0.701	350	6.14	34.11	26.854	120.5	0.681				
400	6.58	34.22	26.883	117.7	0.765	400	5.94	34.18	26.935	112.9	0.741				
450	6.23	34.25	26.953	111.1	0.825	450	5.90	34.24	26.987	107.9	0.799				
500	6.03	34.29	27.010	105.7	0.883	500	5.71	34.29	27.050	101.9	0.855				
550	5.66	34.32	27.080	99.1	0.937	541	5.51	34.30	27.083	98.8	0.899				

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
30 0.0 N		119 50.0 W		04/20/76	0924	GMT	2135 M	350	12 KT	2					
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	14.23	33.429						301.7	0	14.23	33.429		24.947	301.7	0.000
10	14.23	33.429						301.7	10	14.23	33.429		24.947	301.7	0.030
29	14.20	33.423						301.5	20	14.22	33.427		24.948	301.6	0.060
44	14.17	33.481						296.7	30	14.20	33.423		24.949	301.5	0.091
53	13.74	33.505						286.4	50	13.90	33.499		25.068	290.2	0.150
67	12.92	33.513						270.2	75	12.30	33.446		25.347	263.6	0.220
82	11.80	33.407						257.5	100	11.11	33.598		25.686	231.4	0.282
96	11.32	33.563						237.6	125	9.94	33.755		26.011	200.5	0.337
120	10.08	33.731						204.5	150	9.35	33.859		26.191	183.5	0.385
139	9.64	33.812						191.5	200	8.32	34.019		26.478	156.2	0.472
168	8.89	33.930						171.2	250	7.63	34.075		26.624	142.3	0.548
197	8.35	34.012						157.2	300	6.94	34.118		26.754	130.0	0.619
226	8.05	34.063						149.1	400	6.08	34.182		26.919	114.3	0.746
265	7.35	34.079						138.3	500	5.76	34.284		27.039	103.0	0.860
322	6.73	34.139						125.7							
376	6.08	34.133						118.1							
434	6.07	34.247						109.4							
493	5.79	34.280						103.6							

STATION 13D

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7604

STATION 14D

LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM				LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM				
30 00.0 N		120 37.0 W		04/20/76	1443	GMT	4022	M				30 00.0 N		121 25.5 W		04/20/76	2005	GMT	4155	M
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS				WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS		
350	10 KT	350 07 06	1	1021.3 MB	12.8 C	12.0 C	7/8 SC				330	14 KT	320 07 06	1	1020.0 MB	15.7 C	13.8 C	7/8 SC		
Z	T	S	SIGT	DT	DD				Z	T	S	SIGT	DT	DD						
0	13.59	33.52	25.150	282.4	0.000				0	14.46	33.51	24.961	300.4	0.000						
10	13.60	33.52	25.148	282.6	0.028				10	14.31	33.50	24.985	298.1	0.030						
20	13.60	33.52	25.148	282.6	0.057				20	14.22	33.51	25.012	295.6	0.060						
30	13.60	33.52	25.148	282.6	0.085				30	14.21	33.51	25.014	295.4	0.089						
40	13.57	33.52	25.154	282.0	0.113				40	14.21	33.51	25.014	295.4	0.119						
50	13.53	33.52	25.162	281.3	0.141				50	14.21	33.52	25.021	294.6	0.149						
75	11.61	33.41	25.449	253.9	0.209				75	14.40	33.59	25.035	293.3	0.222						
100	10.41	33.65	25.850	215.8	0.268				100	13.31	33.42	25.129	284.3	0.295						
125	9.57	33.82	26.124	189.8	0.319				125	12.65	33.48	25.306	267.5	0.365						
150	9.09	33.91	26.272	175.7	0.366				150	11.39	33.58	25.621	237.5	0.429						
175	8.49	33.99	26.429	160.9	0.408				175	10.13	33.73	25.960	205.3	0.485						
200	8.21	34.03	26.503	153.8	0.449				200	9.11	33.90	26.261	176.8	0.534						
225	8.14	34.05	26.529	151.4	0.488				225	8.71	33.96	26.371	166.3	0.578						
250	7.83	34.09	26.606	144.0	0.526				250	8.26	34.00	26.472	156.8	0.619						
275	7.35	34.11	26.691	136.0	0.562				275	7.87	34.05	26.569	147.6	0.658						
300	7.10	34.14	26.750	130.4	0.596				300	7.52	34.06	26.628	142.0	0.696						
350	6.87	34.21	26.836	122.2	0.662				350	6.93	34.09	26.734	131.9	0.767						
400	6.34	34.23	26.923	114.0	0.724				400	6.36	34.14	26.849	121.0	0.833						
450	5.95	34.27	27.004	106.3	0.781				450	6.01	34.18	26.926	113.7	0.894						
500	5.77	34.30	27.051	101.9	0.837				500	5.87	34.25	26.999	106.8	0.952						
550	5.41	34.34	27.126	94.7	0.889				544	5.55	34.27	27.054	101.6	1.001						

STATION 15U

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7604

STATION 16D

LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM				LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM				
30 00.0 N		122 00.0 W		04/21/76	0055	GMT	4193	M				30 39.0 N		122 00.0 W		04/21/76	0643	GMT	4404	M
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS				WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS		
350	15 KT	340 08 07	2	1018.6 MB	14.8 C	13.0 C	8/8 SC				340	18 KT	340 08 08	2	1018.3 MB	13.5 C	12.0 C	8/8 SC		
Z	T	S	SIGT	DT	DD				Z	T	S	SIGT	DT	DD						
0	14.76	33.66	25.012	295.5	0.000				0	14.37	33.48	24.957	300.8	0.000						
10	14.73	33.66	25.019	294.9	0.030				10	14.38	33.48	24.955	301.0	0.030						
20	14.66	33.66	25.034	293.4	0.059				20	14.37	33.48	24.957	300.8	0.060						
30	14.65	33.66	25.036	293.2	0.088				30	14.39	33.48	24.953	301.2	0.090						
40	14.63	33.66	25.040	292.8	0.118				40	14.38	33.48	24.955	301.0	0.121						
50	14.61	33.66	25.045	292.4	0.147				50	14.36	33.50	24.974	299.1	0.151						
75	14.56	33.66	25.055	291.4	0.221				75	13.73	33.43	25.052	291.7	0.225						
100	14.28	33.63	25.091	288.0	0.294				100	12.44	33.39	25.277	270.3	0.296						
125	12.31	33.53	25.410	257.6	0.363				125	11.78	33.54	25.518	247.3	0.361						
150	11.32	33.63	25.673	232.6	0.425				150	10.19	33.55	25.810	219.6	0.420						
175	9.91	33.73	25.998	201.8	0.480				175	9.35	33.76	26.113	190.8	0.472						
200	9.14	33.89	26.249	178.0	0.528				200	8.69	33.91	26.335	169.7	0.518						
225	8.81	33.94	26.340	169.3	0.573				225	8.24	33.99	26.467	157.3	0.560						
250	8.36	34.00	26.456	158.2	0.615				250	8.10	34.01	26.503	153.8	0.600						
275	7.82	34.03	26.561	148.3	0.654				275	7.86	34.03	26.555	148.9	0.639						
300	7.47	34.04	26.619	142.8	0.692				300	7.38	34.07	26.655	139.4	0.676						
350	6.85	34.07	26.729	132.4	0.763				350	6.91	34.11	26.752	130.2	0.746						
400	6.42	34.14	26.841	121.7	0.829				400	6.40	34.18	26.876	118.5	0.811						
450	6.08	34.20	26.933	113.0	0.891				450	6.10	34.21	26.938	112.5	0.872						
500	5.71	34.25	27.019	104.9	0.948				500	5.96	34.28	27.011	105.6	0.929						
550	5.45	34.28	27.074	99.7	1.003				544	5.72	34.30	27.057	101.3	0.978						
565	5.43	34.28	27.076	99.4	1.019															

## RV ALEXANDER AGASSIZ

## CRUISE 7604

STATION 16

LATITUDE LONGITUDE MO/DAY/YR MESSENGER TIME BOTTOM WIND SPEED WEATHER DOMINANT WAVES  
 30 39.0 N 122 0.0 W 04/21/76 0744 GMT 4404 M 340 18 KT 2 340 08 08

Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	14.34	33.470						300.9	0	14.34	33.470		24.956	300.9	0.000
11	14.33	33.469						300.8	10	14.33	33.470		24.957	300.8	0.030
31	14.35	33.471						301.0	20	14.34	33.470		24.956	300.9	0.060
46	14.35	33.474						300.8	30	14.35	33.471		24.955	301.0	0.090
56	14.21	33.467						298.5	50	14.30	33.472		24.966	299.9	0.151
71	14.12	33.454						297.7	75	14.01	33.447		25.006	296.1	0.226
86	13.53	33.420						288.6	100	12.49	33.389		25.267	271.3	0.297
100	12.49	33.389						271.3	125	11.78	33.551		25.526	246.6	0.362
124	11.84	33.551						247.6	150	10.33	33.570		25.802	220.4	0.422
144	10.62	33.537						227.6	200	9.09	33.856		26.229	179.8	0.523
173	9.49	33.732						195.1	250	8.19	34.004		26.485	155.5	0.609
201	9.08	33.859						179.4	300	7.70	34.049		26.593	145.3	0.687
230	8.39	33.970						160.9	400	6.66	34.151		26.818	123.9	0.827
269	8.07	34.019						152.7	500	6.04	34.252		26.979	108.7	0.949
327	7.37	34.074						138.9							
380	6.88	34.133						128.1							
438	6.29	34.184						116.8							
500	6.04	34.252						108.7							

STATION 17U

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7604

STATION 18U

LATITUDE LONGITUDE MO/DAY/YR START TIME BOTTOM  
 31 08.5 N 121 20.5 W 04/21/76 1329 GMT 4213 M

LATITUDE LONGITUDE MO/DAY/YR START TIME BOTTOM  
 30 56.5 N 119 14.5 W 04/22/76 0052 GMT 4117 M

WIND SPEED WAVES WEA BAROMETER DRY WET CLOUDS  
 330 18 KT 320 08 06 1 1016.3 MB 13.0 C 11.8 C 6/8 SC

WIND SPEED WAVES WEA BAROMETER DRY WET CLOUDS  
 320 20 KT 320 08 08 1 1013.9 MB 14.0 C 12.7 C

Z	T	S	SIGT	DT	DD
0	13.35	33.22	24.967	299.8	0.000
10	13.36	33.21	24.957	300.7	0.030
20	13.36	33.21	24.957	300.7	0.060
30	13.35	33.21	24.959	300.5	0.090
40	13.22	33.20	24.978	298.8	0.120
50	13.02	33.18	25.002	296.5	0.150
75	12.77	33.30	25.144	283.0	0.223
100	11.77	33.41	25.420	256.7	0.291
125	10.87	33.54	25.684	231.6	0.353
150	9.37	33.77	26.118	190.4	0.406
175	8.86	33.87	26.277	175.2	0.453
200	8.45	33.94	26.396	164.0	0.496
225	8.06	33.98	26.486	155.4	0.537
250	7.63	33.99	26.557	148.7	0.576
275	7.34	34.00	26.606	144.0	0.613
300	6.95	34.02	26.676	137.4	0.650
350	6.66	34.12	26.794	126.2	0.718
400	6.51	34.16	26.845	121.3	0.783
450	6.18	34.19	26.912	115.0	0.845
500	5.92	34.23	26.977	108.9	0.904
550	5.45	34.26	27.058	101.1	0.960

Z	T	S	SIGT	DT	DD
0	14.73	33.56	24.942	302.2	0.000
10	14.73	33.56	24.942	302.2	0.030
20	14.72	33.56	24.944	302.0	0.060
30	14.67	33.55	24.947	301.7	0.091
40	14.62	33.56	24.965	300.0	0.121
50	14.40	33.57	25.020	294.8	0.151
75	12.92	33.52	25.284	269.6	0.222
100	11.21	33.48	25.577	241.8	0.286
125	10.14	33.66	25.904	210.7	0.343
150	9.36	33.80	26.143	188.0	0.394
175	8.91	33.90	26.293	173.8	0.440
200	8.51	33.99	26.426	161.2	0.483
225	8.07	34.02	26.516	152.6	0.523
250	7.72	34.05	26.591	145.5	0.561
275	7.16	34.04	26.663	138.7	0.598
300	6.88	34.05	26.709	134.3	0.633
350	6.33	34.07	26.798	125.8	0.700
400	6.37	34.18	26.880	118.1	0.764
450	6.10	34.23	26.954	111.1	0.824
500	5.79	34.27	27.024	104.4	0.881
544	5.63	34.29	27.060	101.0	0.929

STATION 19U

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7604

STATION 20D

LATITUDE LONGITUDE MO/DAY/YR START TIME BOTTOM  
 30 53.5 N 118 42.0 W 04/22/76 0400 GMT 2838 M

LATITUDE LONGITUDE MO/DAY/YR START TIME BOTTOM  
 30 51.0 N 118 06.5 W 04/22/76 0723 GMT 1670 M

WIND SPEED WAVES WEA BAROMETER DRY WET CLOUDS  
 320 15 KT 320 08 08 1 1013.5 MB 13.8 C 12.2 C

WIND SPEED WAVES WEA BAROMETER DRY WET CLOUDS  
 320 13 KT 320 03 05 2 1014.2 MB 13.9 C 12.1 C 8/8 SC

Z	T	S	SIGT	DT	DD
0	14.83	33.56	24.920	304.2	0.000
10	14.83	33.56	24.920	304.2	0.030
20	14.83	33.55	24.913	305.0	0.061
30	14.78	33.56	24.931	303.2	0.091
40	14.57	33.56	24.976	298.9	0.122
50	14.46	33.56	24.999	296.7	0.152
75	12.66	33.50	25.320	266.2	0.222
100	11.04	33.64	25.731	227.1	0.284
125	10.05	33.83	26.052	196.7	0.338
150	9.63	33.98	26.239	178.9	0.386
175	9.30	34.08	26.371	166.4	0.430
200	9.12	34.11	26.423	161.4	0.472
225	8.96	34.14	26.472	156.7	0.512
250	8.75	34.18	26.537	150.6	0.552
275	8.56	34.22	26.598	144.8	0.590
300	8.42	34.25	26.643	140.5	0.627
350	8.18	34.28	26.703	134.9	0.699
400	7.56	34.30	26.810	124.7	0.767
450	7.07	34.30	26.879	118.1	0.831
500	6.33	34.28	26.964	110.1	0.892
550	6.06	34.29	27.006	106.1	0.949

Z	T	S	SIGT	DT	DD
0	14.85	33.62	24.962	300.3	0.000
10	14.85	33.61	24.954	301.0	0.030
20	14.44	33.60	25.035	293.4	0.060
30	14.30	33.58	25.049	292.0	0.089
40	14.23	33.58	25.063	290.6	0.118
50	14.21	33.59	25.075	289.5	0.148
75	12.72	33.42	25.246	273.2	0.218
100	11.71	33.47	25.477	251.3	0.284
125	10.36	33.60	25.820	218.7	0.344
150	9.44	33.82	26.145	187.8	0.395
175	9.21	33.87	26.222	180.5	0.442
200	8.75	33.94	26.349	168.4	0.487
225	8.55	33.99	26.419	161.7	0.529
250	8.14	34.04	26.521	152.1	0.569
275	7.75	34.06	26.594	145.2	0.607
300	7.51	34.08	26.645	140.4	0.644
350	7.05	34.16	26.772	128.3	0.714
400	6.76	34.21	26.851	120.8	0.779
450	6.59	34.27	26.921	114.1	0.841
500	6.09	34.26	26.979	108.7	0.900
544	5.94	34.29	27.022	104.6	0.950

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER			TIME	BOTTOM			WIND	SPEED	WEATHER	DOMINANT WAVES			
	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2		SIGT	DT	DD							
1	14.88	33.616											301.2	0	14.88	33.616				24.953	301.2	0.000	
11	14.86	33.615											300.8	10	14.86	33.616				24.956	300.9	0.030	
30	14.35	33.586											292.6	20	14.63	33.602				24.995	297.2	0.060	
45	14.22	33.581											290.4	30	14.35	33.586				25.043	292.6	0.090	
55	14.20	33.591											289.2	50	14.21	33.586				25.072	289.8	0.148	
69	13.16	33.494											276.1	75	12.74	33.469				25.279	270.1	0.218	
84	12.20	33.451											261.4	100	11.61	33.485				25.507	248.4	0.284	
99	11.66	33.481											249.6	125	10.33	33.620				25.841	216.7	0.343	
124	10.37	33.612											218.0	150	9.51	33.798				26.117	190.4	0.394	
143	9.67	33.759											195.9	200	8.70	33.967				26.377	165.7	0.485	
172	9.13	33.888											178.0	250	8.09	34.046				26.533	151.0	0.566	
201	8.69	33.969											165.4	300	7.55	34.094				26.649	139.9	0.641	
231	8.29	34.028											155.2	400	6.92	34.214				26.832	122.6	0.778	
270	7.89	34.059											147.2	500	6.12	34.270				26.983	108.3	0.900	
328	7.28	34.130											133.6										
381	7.05	34.197											125.5										
439	6.62	34.241											116.7										
498	6.14	34.269											108.6										

STATION 21U

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7604

STATION 22U

LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		BOTTOM	
30	47.5 N	117	31.0 W	04	22/76	1225	GMT	1865	M	30	44.5 N	116	57.0 W	04	22/76	1556	GMT	2197	M
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS				
330	09 KT	330 04 06	2	1013.2 MB	14.1 C	12.0 C	8/8 SC	300	12 KT	320 06 06	1	1014.6 MB	14.8 C	12.0 C					
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD								
0	15.20	33.57	24.848	311.2	0.000	0	15.20	33.56	24.840	311.9	0.000								
10	15.20	33.58	24.855	310.4	0.031	10	15.20	33.56	24.840	311.9	0.031								
20	15.16	33.58	24.864	309.6	0.062	20	15.18	33.56	24.844	311.5	0.062								
30	14.95	33.58	24.910	305.2	0.093	30	15.01	33.55	24.874	308.7	0.093								
40	14.81	33.58	24.940	302.4	0.123	40	14.95	33.55	24.887	307.5	0.124								
50	14.57	33.57	24.984	298.2	0.154	50	14.91	33.55	24.896	306.6	0.155								
75	12.32	33.46	25.354	262.9	0.224	75	12.91	33.48	25.255	272.4	0.228								
100	11.31	33.53	25.597	239.9	0.287	100	11.24	33.54	25.618	237.9	0.292								
125	10.33	33.66	25.872	213.8	0.345	125	10.22	33.71	25.929	208.3	0.349								
150	9.51	33.82	26.134	188.9	0.396	150	9.42	33.85	26.172	185.2	0.399								
175	9.04	33.93	26.296	173.5	0.442	175	9.03	33.98	26.336	169.6	0.444								
200	8.53	34.02	26.446	159.2	0.484	200	8.76	34.09	26.465	157.4	0.485								
225	8.38	34.05	26.492	154.8	0.525	225	8.44	34.14	26.554	149.0	0.525								
250	7.97	34.13	26.617	143.0	0.563	250	8.18	34.16	26.609	143.8	0.562								
275	7.78	34.15	26.661	138.9	0.599	275	7.85	34.15	26.650	139.8	0.599								
300	7.74	34.18	26.690	136.1	0.635	300	7.72	34.19	26.701	135.1	0.635								
350	7.26	34.24	26.806	125.1	0.703	350	7.43	34.24	26.782	127.4	0.703								
400	7.00	34.28	26.873	118.7	0.767	400	7.19	34.27	26.839	121.9	0.768								
450	6.67	34.31	26.942	112.2	0.827	450	6.75	34.30	26.923	114.0	0.830								
500	6.28	34.33	27.009	105.8	0.885	500	6.31	34.31	26.990	107.6	0.889								
550	6.06	34.35	27.053	101.6	0.941	550	5.99	34.33	27.047	102.3	0.945								
						600	5.80	34.35	27.086	98.5	0.999								

STATION 23D

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7604

STATION 24U

LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		BOTTOM	
30	42.5 N	116	35.5 W	04	22/76	1823	GMT	1387	M	30	42.0 N	116	26.5 W	04	22/76	2038	GMT	593	M
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS				
		320 05 06	1	1015.2 MB	16.2 C	13.3 C	7/8 SC	290	02 KT	320 04 07	1	1014.6 MB	16.8 C	13.2 C	6/8 SC				
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD								
0	15.06	33.62	24.917	304.6	0.000	0	13.56	33.70	25.295	268.6	0.000								
10	14.90	33.61	24.944	302.0	0.030	10	12.94	33.73	25.442	254.6	0.026								
20	14.52	33.62	25.033	293.5	0.060	20	11.02	33.79	25.851	215.7	0.050								
30	14.25	33.60	25.075	289.6	0.089	30	10.24	33.80	25.996	202.0	0.071								
40	12.77	33.47	25.275	270.5	0.117	40	10.05	33.84	26.060	195.9	0.091								
50	11.78	33.49	25.480	251.0	0.144	50	9.91	33.87	26.106	191.5	0.110								
75	10.77	33.64	25.779	222.5	0.203	75	9.68	33.98	26.231	179.7	0.157								
100	9.91	33.95	26.169	185.5	0.255	100	9.72	34.14	26.349	168.5	0.201								
125	9.77	34.07	26.286	174.4	0.300	125	9.61	34.18	26.398	163.8	0.243								
150	9.59	34.10	26.339	169.4	0.344	150	9.42	34.22	26.461	157.8	0.284								
175	9.39	34.17	26.426	161.1	0.386	175	9.38	34.25	26.491	155.0	0.324								
200	9.04	34.20	26.506	153.5	0.426	200	9.35	34.27	26.511	153.1	0.363								
225	8.91	34.23	26.551	149.3	0.465	225	9.31	34.29	26.533	150.9	0.402								
250	8.62	34.31	26.659	139.0	0.502	250	9.16	34.29	26.557	148.6	0.441								
275	8.34	34.32	26.710	134.2	0.538	275	9.14	34.33	26.592	145.4	0.479								
300	8.14	34.32	26.740	131.3	0.572	300	8.86	34.33	26.637	141.1	0.516								
350	7.82	34.33	26.796	126.0	0.639	350	8.22	34.34	26.744	131.0	0.587								
400	7.36	34.34	26.870	119.0	0.704	400	7.67	34.33	26.818	124.0	0.654								
450	7.19	34.35	26.902	116.0	0.766	450	7.33	34.33	26.867	119.3	0.718								
500	6.83	34.35	26.952	111.2	0.826	500	6.69	34.35	26.971	109.4	0.779								
550	6.53	34.35	26.992	107.4	0.885														
600	6.17	34.36	27.047	102.2	0.941														
650	5.94	34.38	27.092	97.9	0.996														

STATION		25D		RV ALEXANDER AGASSIZ				CRUISE 7604				STATION		26U	
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM		LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM					
30 43.0 N	116 23.0 W	04/22/76	2139 GMT	316 M		30 58.5 N	116 37.0 W	04/23/76	0105 GMT	1479 M					
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
290	07 KT	320 03 07	2	1014.2 MB	16.9 C	13.1 C	8/8 SC	320	12 KT	320 03 05	1	1014.6 MB	15.1 C	12.0 C	7/8 SC
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD				
0	13.93	33.73	25.241	273.7	0.000	0	15.06	33.62	24.917	304.6	0.000				
10	13.23	33.70	25.361	262.3	0.027	10	14.61	33.62	25.014	295.4	0.030				
20	11.69	33.70	25.659	234.0	0.052	20	14.25	33.61	25.082	288.8	0.059				
30	10.31	33.80	25.984	203.1	0.074	30	14.07	33.59	25.105	286.7	0.088				
40	9.77	33.90	26.153	187.0	0.093	40	13.92	33.59	25.136	283.7	0.117				
50	9.64	33.98	26.237	179.1	0.112	50	13.43	33.58	25.228	274.9	0.145				
75	9.68	34.07	26.301	173.0	0.156	75	10.93	33.60	25.720	228.2	0.208				
100	9.65	34.10	26.329	170.3	0.199	100	9.97	33.86	26.089	193.2	0.261				
125	9.67	34.15	26.365	167.0	0.242	125	9.68	33.99	26.238	178.9	0.308				
150	9.53	34.17	26.404	163.3	0.284	150	9.43	34.09	26.357	167.6	0.352				
175	9.41	34.20	26.447	159.2	0.325	175	9.18	34.12	26.422	161.5	0.394				
200	9.30	34.25	26.504	153.8	0.365	200	8.98	34.18	26.500	154.1	0.435				
225	9.18	34.28	26.547	149.7	0.404	225	8.91	34.24	26.558	148.5	0.473				
250	8.98	34.32	26.610	143.7	0.442	250	8.79	34.28	26.609	143.8	0.511				
275	8.80	34.34	26.654	139.5	0.479	275	8.68	34.31	26.649	139.9	0.548				
293	8.68	34.34	26.673	137.7	0.504	300	8.40	34.29	26.677	137.3	0.584				
						350	7.95	34.31	26.761	129.4	0.653				
						400	7.61	34.33	26.826	123.2	0.720				
						450	7.13	34.32	26.887	117.4	0.783				
						500	6.72	34.34	26.959	110.6	0.844				
						550	6.28	34.35	27.025	104.3	0.901				
						600	5.91	34.34	27.065	100.5	0.956				
						650	5.62	34.36	27.116	95.6	1.009				
						700	5.38	34.37	27.153	92.1	1.061				
						750	5.20	34.38	27.183	89.4	1.110				
						800	4.98	34.40	27.224	85.4	1.158				
						850	4.77	34.41	27.256	82.4	1.205				
						900	4.63	34.42	27.280	80.2	1.250				
						950	4.41	34.44	27.320	76.4	1.294				
						1000	4.23	34.46	27.355	73.0	1.336				

STATION		27U		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7604				STATION		28D	
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM		LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM					
31 11.0 N	116 47.5 W	04/23/76	0350 GMT	1293 M		31 17.0 N	117 24.5 W	04/23/76	0820 GMT	1943 M					
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
330	09 KT	310 05 05	1	1014.6 MB	15.0 C	12.5 C	7/8 SC	320	10 KT	310 06 06	1	1015.6 MB	14.8 C	12.4 C	
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD				
0	15.15	33.63	24.905	305.7	0.000	0	14.35	33.67	25.107	286.4	0.000				
10	14.95	33.61	24.933	303.0	0.030	10	14.35	33.67	25.107	286.4	0.029				
20	14.67	33.59	24.978	298.8	0.061	20	14.31	33.67	25.116	285.6	0.057				
30	14.47	33.58	25.013	295.4	0.090	30	12.93	33.67	25.398	258.8	0.085				
40	14.23	33.56	25.048	292.1	0.120	40	12.04	33.68	25.578	241.7	0.110				
50	12.11	33.53	25.449	254.0	0.147	50	10.57	33.75	25.900	211.1	0.132				
75	10.70	33.63	25.784	222.1	0.207	75	9.93	33.84	26.080	194.0	0.183				
100	9.83	33.77	26.042	197.6	0.260	100	9.39	33.97	26.270	175.9	0.230				
125	9.46	33.85	26.166	185.8	0.309	125	9.10	34.04	26.372	166.2	0.273				
150	9.19	33.98	26.311	172.1	0.354	150	8.73	34.08	26.462	157.7	0.315				
175	8.86	34.03	26.402	163.4	0.397	175	8.67	34.15	26.526	151.6	0.354				
200	8.73	34.07	26.454	158.5	0.438	200	8.29	34.14	26.577	146.8	0.392				
225	8.61	34.16	26.543	150.0	0.477	225	8.09	34.18	26.638	141.0	0.429				
250	8.28	34.20	26.625	142.2	0.515	250	7.89	34.19	26.675	137.4	0.465				
275	8.43	34.27	26.657	139.2	0.551	275	7.70	34.23	26.735	131.8	0.500				
300	8.22	34.29	26.705	134.7	0.587	300	7.49	34.24	26.773	128.2	0.533				
350	7.81	34.31	26.781	127.4	0.655	350	7.29	34.26	26.817	124.0	0.599				
400	7.45	34.34	26.857	120.2	0.720	400	6.97	34.30	26.893	116.8	0.662				
450	6.94	34.34	26.929	113.4	0.782	450	6.68	34.32	26.948	111.6	0.722				
500	6.50	34.32	26.973	109.3	0.841	500	6.39	34.34	27.003	106.4	0.780				
550	6.08	34.33	27.035	103.3	0.898	550	6.20	34.35	27.036	103.3	0.836				
600	5.88	34.36	27.084	98.7	0.952	600	5.81	34.36	27.093	97.9	0.891				
650	5.61	34.36	27.118	95.5	1.005	650	5.49	34.36	27.132	94.1	0.943				
700	5.38	34.38	27.161	91.4	1.056	700	5.24	34.38	27.178	89.8	0.993				
750	5.13	34.39	27.199	87.8	1.105	750	5.05	34.39	27.208	86.9	1.041				
800	4.88	34.41	27.243	83.6	1.152	800	4.82	34.41	27.250	82.9	1.088				
850	4.68	34.42	27.274	80.7	1.198	850	4.60	34.43	27.291	79.1	1.133				
900	4.54	34.43	27.298	78.5	1.242	900	4.43	34.44	27.317	76.6	1.176				
950	4.37	34.45	27.332	75.2	1.285	950	4.29	34.45	27.340	74.4	1.218				
1000	4.27	34.46	27.350	73.5	1.327	1000	4.14	34.47	27.372	71.4	1.259				

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER			TIME	BOTTOM			WIND			SPEED	WEATHER			DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02		SIGT	DT	DD										
1	14.56	33.562						298.6	0	14.56	33.562			24.980	298.6	0.000										
11	14.55	33.559						298.6	10	14.55	33.560			24.980	298.6	0.030										
31	14.42	33.556						296.2	20	14.50	33.557			24.988	297.8	0.060										
57	14.23	33.576						290.9	30	14.43	33.556			25.003	296.4	0.090										
70	12.83	33.494						269.9	50	14.28	33.571			25.045	292.3	0.149										
84	11.88	33.452						255.6	75	12.43	33.470			25.341	264.2	0.219										
99	11.43	33.540						241.2	100	11.39	33.545			25.593	240.2	0.282										
128	10.35	33.676						212.9	125	10.47	33.662			25.850	215.9	0.340										
152	9.53	33.820						189.1	150	9.59	33.809			26.111	191.0	0.391										
177	8.95	33.929						172.2	200	8.63	33.984			26.403	163.3	0.482										
211	8.51	34.002						160.3	250	8.03	34.065			26.557	148.7	0.562										
275	7.74	34.098						142.2	300	7.49	34.131			26.687	136.4	0.635										
371	6.90	34.211						122.5	400	6.69	34.237			26.882	117.9	0.768										
469	6.23	34.285						108.5	500	6.04	34.302			27.018	105.0	0.885										
609	5.45	34.347						94.6	600	5.49	34.344			27.119	95.4	0.993										
749	4.88	34.397						84.6	700	5.06	34.380			27.199	87.8	1.092										
893	4.35	34.449						75.1	800	4.68	34.416			27.271	81.0	1.184										
1094	3.80	34.496						66.1	1000	4.06	34.473			27.384	70.3	1.353										

STATION 29D

RV ALEXANDER AGASSIZ

CALCOPI CRUISE 7604

STATION 30D

LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		BOTTOM	
31	20.0 N	117	59.0 W	04	23/76	1255	GMT	1392	M	31	23.0 N	118	33.0 W	04	23/76	1812	GMT	1298	M
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS												
320	13 KT	320 06 07	2	1015.2 MB	13.0 C	11.4 C	8/8 SC	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS				
330	14 KT	330 05 06	2	1019.3 MB	15.0 C	12.1 C	8/8 SC	330	14 KT	330 05 06	2	1019.3 MB	15.0 C	12.1 C	8/8 SC				
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD								
0	14.60	33.57	24.978	298.8	0.000	0	14.49	33.59	25.016	295.1	0.000								
10	14.60	33.57	24.978	298.8	0.030	10	14.49	33.59	25.016	295.1	0.030								
20	14.59	33.57	24.980	298.6	0.060	20	14.48	33.59	25.018	294.9	0.059								
30	14.37	33.57	25.026	294.2	0.090	30	14.48	33.59	25.018	294.9	0.089								
40	14.33	33.58	25.042	292.6	0.119	40	14.48	33.59	25.018	294.9	0.118								
50	14.19	33.58	25.072	289.8	0.148	50	14.41	33.58	25.025	294.2	0.148								
75	12.15	33.44	25.371	261.3	0.217	75	12.45	33.53	25.383	260.2	0.218								
100	11.28	33.57	25.634	236.4	0.280	100	10.98	33.57	25.688	231.2	0.279								
125	10.05	33.70	25.950	206.3	0.336	125	9.85	33.70	25.984	203.1	0.334								
150	9.43	33.84	26.163	186.1	0.386	150	9.34	33.82	26.162	186.2	0.384								
175	8.81	33.95	26.348	168.5	0.431	175	8.73	33.95	26.360	167.4	0.429								
200	8.40	34.01	26.458	158.1	0.473	200	8.33	33.99	26.453	158.5	0.470								
225	8.09	34.04	26.528	151.4	0.512	225	7.85	34.02	26.548	149.5	0.510								
250	7.86	34.09	26.602	144.5	0.550	250	7.66	34.05	26.599	144.7	0.547								
275	7.64	34.11	26.650	139.9	0.587	275	7.14	34.04	26.666	138.4	0.584								
300	7.34	34.14	26.716	133.6	0.622	300	7.16	34.12	26.726	132.7	0.619								
350	6.93	34.21	26.828	123.0	0.689	350	6.89	34.18	26.810	124.7	0.686								
400	6.54	34.25	26.912	115.0	0.751	400	6.49	34.22	26.895	116.6	0.749								
450	6.28	34.27	26.962	110.3	0.811	450	6.17	34.27	26.976	108.9	0.808								
500	6.04	34.29	27.009	105.8	0.868	500	5.92	34.30	27.032	103.7	0.864								
550	5.69	34.33	27.084	98.7	0.922	550	5.70	34.33	27.083	98.8	0.918								
600	5.46	34.34	27.120	95.3	0.974	600	5.51	34.34	27.114	95.9	0.971								
650	5.22	34.35	27.157	91.8	1.025	650	5.30	34.36	27.155	92.0	1.021								
700	5.05	34.38	27.200	87.7	1.074	700	5.03	34.40	27.218	86.0	1.070								
750	4.83	34.40	27.241	83.8	1.121	750	4.80	34.41	27.253	82.7	1.116								
800	4.57	34.43	27.294	78.8	1.165	800	4.61	34.43	27.290	79.2	1.161								
850	4.38	34.45	27.331	75.3	1.208	850	4.40	34.44	27.321	76.3	1.204								
900	4.28	34.46	27.350	73.5	1.250	900	4.25	34.46	27.353	73.2	1.245								
950	4.17	34.46	27.361	72.4	1.290	950	4.09	34.47	27.378	70.9	1.286								
1000	4.01	34.48	27.394	69.3	1.330	1000	3.94	34.49	27.409	67.9	1.325								



STATION		31D		RV ALEXANDER AGASSIZ				CRUISE 7604				STATION		32U	
LATITUDE	LONGITUDE	MO/DAY/YR		START TIME		BOTTOM		LATITUDE	LONGITUDE	MO/DAY/YR		START TIME		BOTTOM	
31 26.0 N	119 08.0 W	04/23/76		2345 GMT		1485 M		31 09.0 N	118 42.0 W	04/24/76		0445 GMT		1947 M	
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
320	17 KT	320 08 05	2	1019.3 MB	13.8 C	11.9 C	8/8 SC	320	10 KT	320 06 06	2	1019.3 MB	14.0 C	12.0 C	8/8 SC
Z	T	S	SIGT	DT	DD										
0	14.27	33.69	25.140	283.4	0.000										
10	14.28	33.69	25.138	283.6	0.028										
20	14.27	33.69	25.140	283.4	0.057										
30	14.26	33.69	25.142	283.2	0.085										
40	13.96	33.68	25.197	277.9	0.113										
50	13.78	33.67	25.226	275.1	0.141										
75	10.45	33.68	25.866	214.3	0.203										
100	9.81	33.79	26.061	195.8	0.254										
125	9.25	33.90	26.239	178.9	0.302										
150	8.89	33.98	26.359	167.5	0.346										
175	8.64	34.03	26.437	160.1	0.387										
200	8.32	34.08	26.525	151.7	0.427										
225	7.99	34.12	26.606	144.1	0.465										
250	7.78	34.15	26.661	138.9	0.501										
275	7.59	34.17	26.704	134.8	0.537										
300	7.12	34.15	26.755	129.9	0.571										
350	6.70	34.21	26.859	120.0	0.636										
400	6.44	34.26	26.933	113.0	0.697										
450	6.06	34.29	27.006	106.1	0.755										
500	5.70	34.32	27.075	99.6	0.809										
550	5.49	34.34	27.116	95.6	0.861										
600	5.25	34.36	27.161	91.4	0.911										
650	5.03	34.38	27.203	87.5	0.960										
700	4.79	34.41	27.254	82.6	1.006										
750	4.58	34.42	27.285	79.6	1.050										
800	4.43	34.44	27.317	76.6	1.093										
850	4.27	34.45	27.343	74.2	1.135										
900	4.12	34.47	27.374	71.2	1.176										
950	3.97	34.48	27.398	69.0	1.215										
1000	3.84	34.49	27.419	66.9	1.253										

STATION		33D		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7604							
LATITUDE	LONGITUDE	MO/DAY/YR		START TIME		BOTTOM		LATITUDE	LONGITUDE	MO/DAY/YR		START TIME		BOTTOM	
30 54.5 N	118 58.0 W	04/24/76		0721 GMT		3358 M									
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
320	12 KT	320 06 07	2	1019.6 MB	13.3 C	11.9 C	8/8 SC								
Z	T	S	SIGT	DT	DD										
0	14.70	33.56	24.948	301.6	0.000										
10	14.70	33.56	24.948	301.6	0.030										
20	14.71	33.56	24.946	301.8	0.060										
30	14.71	33.56	24.946	301.8	0.091										
40	14.70	33.55	24.941	302.3	0.121										
50	14.48	33.54	24.980	298.6	0.151										
75	12.94	33.47	25.242	273.7	0.223										
100	11.15	33.50	25.603	239.3	0.288										
125	10.43	33.63	25.831	217.6	0.345										
150	9.63	33.84	26.130	189.2	0.397										
175	9.00	33.95	26.318	171.4	0.443										
200	8.76	34.00	26.395	164.1	0.486										
225	8.53	34.07	26.485	155.5	0.527										
250	8.26	34.12	26.565	147.9	0.566										
275	8.04	34.17	26.638	141.0	0.603										
300	7.80	34.17	26.673	137.7	0.639										
350	7.29	34.18	26.754	130.0	0.708										
400	7.03	34.26	26.854	120.5	0.774										
450	6.57	34.26	26.916	114.6	0.836										
500	6.36	34.31	26.983	108.3	0.895										
550	5.87	34.32	27.054	101.6	0.951										
600	5.57	34.33	27.099	97.3	1.004										
650	5.32	34.35	27.145	92.9	1.056										
700	5.01	34.38	27.205	87.2	1.105										
750	4.85	34.41	27.247	83.3	1.151										
800	4.65	34.43	27.285	79.6	1.196										
850	4.44	34.44	27.316	76.7	1.240										
900	4.27	34.45	27.343	74.2	1.282										
950	4.10	34.47	27.376	71.0	1.322										
1000	3.98	34.48	27.397	69.0	1.362										



## RV ALEXANDER AGASSIZ

## CRUISE 7604

STATION 37

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
31 0.0 N		118 19.5 W		04/25/76	0205 GMT		1856 M	330	10 KT	2	330 06 08				
Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
2	15.11	33.580						308.6	0	15.11	33.580		24.875	308.6	0.000
11	14.85	33.573						303.7	10	14.89	33.574		24.919	304.4	0.031
30	14.83	33.574						303.2	20	14.84	33.574		24.928	303.5	0.061
53	14.60	33.570						298.8	30	14.83	33.574		24.931	303.2	0.091
67	14.33	33.560						294.1	50	14.64	33.572		24.969	299.6	0.152
81	12.80	33.502						268.7	75	13.49	33.525		25.173	280.2	0.225
95	11.95	33.488						254.2	100	11.67	33.510		25.516	247.6	0.291
123	10.61	33.658						218.5	125	10.55	33.669		25.841	216.7	0.350
146	10.03	33.767						201.0	150	9.96	33.782		26.030	198.7	0.403
169	9.64	33.849						188.7	200	9.03	33.975		26.333	170.0	0.497
202	8.99	33.983						168.8	250	8.50	34.104		26.516	152.6	0.579
263	8.40	34.123						149.7	300	7.90	34.140		26.635	141.3	0.655
356	7.15	34.140						131.1	400	6.76	34.172		26.822	123.6	0.793
450	6.42	34.216						116.0	500	6.16	34.261		26.970	109.5	0.916
586	5.79	34.328						100.0	600	5.72	34.335		27.085	98.6	1.027
722	5.08	34.383						87.8	700	5.19	34.376		27.180	89.6	1.129
863	4.50	34.437						77.5	800	4.74	34.414		27.262	81.9	1.223
1060	3.84	34.497						66.4	1000	4.04	34.478		27.389	69.8	1.393

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7604

STATION 38

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
32 6.0 N		117 41.5 W		04/27/76	0736 GMT		1757 M	300	04 KT	0	300 05 08				
Z	T	S	O2	P04	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	15.23	33.619						308.2	0	15.23	33.619		24.879	308.2	0.000
11	15.20	33.616						307.8	10	15.20	33.617		24.883	307.8	0.031
31	14.63	33.601						297.1	20	15.01	33.613		24.922	304.1	0.061
55	13.47	33.538						278.8	30	14.67	33.603		24.987	297.9	0.092
70	12.17	33.510						256.5	50	13.78	33.553		25.136	283.7	0.150
85	11.42	33.546						240.6	75	11.89	33.517		25.480	251.0	0.217
99	10.72	33.612						223.8	100	10.68	33.619		25.779	222.6	0.277
129	9.68	33.809						192.3	125	9.79	33.783		26.059	196.0	0.330
153	9.15	33.911						176.6	150	9.21	33.901		26.246	178.2	0.377
178	8.72	33.978						165.1	200	8.37	34.032		26.479	156.1	0.462
213	8.19	34.060						151.3	250	7.78	34.109		26.629	141.9	0.539
275	7.56	34.130						137.3	300	7.41	34.153		26.716	133.6	0.610
373	7.05	34.209						124.6	400	6.85	34.229		26.855	120.4	0.742
470	6.30	34.278						109.9	500	6.10	34.294		27.004	106.3	0.862
610	5.50	34.345						95.4	600	5.55	34.341		27.110	96.2	0.971
750	4.95	34.404						84.8	700	5.13	34.385		27.195	88.2	1.071
895	4.47	34.440						77.0	800	4.78	34.418		27.261	81.9	1.164
1098	3.87	34.490						67.2	1000	4.16	34.465		27.366	71.9	1.336

STATION 38D

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7604

STATION 39U

LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM					LATITUDE		LONGITUDE		MO/DAY/YR	START TIME	BOTTOM		
32 06.0 N		117 41.5 W		04/27/76	0600 GMT	1757 M					31 42.5 N		118 01.5 W		04/27/76	1215 GMT	1298 M		
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS					WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
300	04 KT	300 05 08	0	1011.2 MB	14.1 C	11.5 C	0/8					280	08 KT	300 05 03	1	1012.2 MB	13.1 C	10.4 C	3/8 SC
Z	T	S	SIGT	DT	DD					Z	T	S	SIGT	DT	DD				
0	15.17	33.62	24.893	306.9	0.000					0	14.68	33.57	24.960	300.4	0.000				
10	15.18	33.62	24.891	307.1	0.031					10	14.68	33.57	24.960	300.4	0.030				
20	15.06	33.62	24.917	304.6	0.061					20	14.61	33.57	24.975	299.0	0.060				
30	14.73	33.61	24.980	298.5	0.092					30	14.58	33.57	24.982	298.4	0.090				
40	14.59	33.60	25.002	296.4	0.121					40	14.41	33.56	25.010	295.7	0.120				
50	14.44	33.60	25.035	293.4	0.151					50	14.17	33.55	25.053	291.6	0.149				
75	12.01	33.52	25.460	252.9	0.220					75	11.89	33.49	25.459	253.0	0.218				
100	10.67	33.62	25.781	222.3	0.280					100	10.40	33.59	25.805	220.1	0.277				
125	9.74	33.79	26.073	194.7	0.332					125	9.65	33.78	26.080	194.0	0.330				
150	9.10	33.92	26.278	175.1	0.379					150	9.11	33.91	26.269	176.0	0.377				
175	8.68	33.98	26.392	164.4	0.422					175	8.71	33.97	26.379	165.6	0.420				
200	8.28	34.05	26.508	153.4	0.463					200	8.35	34.01	26.466	157.4	0.461				
225	8.06	34.08	26.564	148.0	0.502					225	8.10	34.04	26.527	151.5	0.501				
250	7.74	34.11	26.635	141.3	0.539					250	7.82	34.09	26.608	143.9	0.539				
275	7.41	34.13	26.698	135.3	0.574					275	7.72	34.10	26.630	141.8	0.576				
300	7.26	34.15	26.735	131.8	0.609					300	7.42	34.12	26.689	136.2	0.612				
350	7.05	34.20	26.804	125.3	0.676					350	7.09	34.17	26.774	128.1	0.680				
400	6.71	34.23	26.874	118.6	0.740					400	6.76	34.22	26.859	120.0	0.745				
450	6.38	34.27	26.949	111.5	0.800					450	6.42	34.26	26.936	112.7	0.806				
500	6.01	34.28	27.005	106.2	0.858					500	6.15	34.28	26.987	107.9	0.865				
550	5.72	34.32	27.072	99.8	0.913					550	5.83	34.31	27.051	101.8	0.921				
600	5.59	34.36	27.120	95.3	0.965					600	5.58	34.33	27.097	97.4	0.974				
650	5.32	34.37	27.161	91.4	1.016					650	5.33	34.35	27.143	93.1	1.026				
700	5.12	34.38	27.192	88.5	1.065					700	5.05	34.38	27.200	87.7	1.075				
750	4.98	34.41	27.232	84.7	1.112					750	4.86	34.39	27.230	84.9	1.122				
800	4.80	34.42	27.261	82.0	1.158					800	4.65	34.41	27.269	81.1	1.167				
850	4.60	34.43	27.291	79.1	1.203					850	4.48	34.43	27.304	77.9	1.211				
900	4.41	34.44	27.320	76.4	1.246					900	4.33	34.45	27.336	74.8	1.254				
950	4.28	34.46	27.350	73.5	1.288					950	4.17	34.46	27.361	72.4	1.295				
1000	4.11	34.47	27.375	71.1	1.329					1000	4.07	34.48	27.388	69.9	1.335				

STATION		RV ALEXANDER AGASSIZ										CRUISE 7604					STATION	
40D																	41D	
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		BOTTOM	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME		BOTTOM							
31 12.5 N	118 27.5 W	04/27/76	1630 GMT		1298 M	30 56.5 N	118 41.5 W	04/27/76	1950 GMT		2715 M							
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS			
290	10 KT	320 10 08	1	1014.2 MB	14.8 C	11.2 C	4/8 SC	280	10 KT	320 12 08	1	1015.2 MB	15.0 C	12.5 C	4/8 SC			
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD							
0	14.88	33.58	24.925	303.8	0.000	0	14.92	33.54	24.886	307.6	0.000							
10	14.84	33.57	24.926	303.7	0.030	10	14.89	33.54	24.892	306.9	0.031							
20	14.84	33.57	24.926	303.7	0.061	20	14.76	33.54	24.920	304.3	0.061							
30	14.83	33.57	24.928	303.5	0.091	30	14.75	33.54	24.922	304.1	0.092							
40	14.66	33.56	24.957	300.8	0.122	40	14.74	33.54	24.924	303.9	0.122							
50	13.53	33.48	25.131	284.2	0.151	50	14.29	33.53	25.012	295.5	0.152							
75	12.37	33.51	25.383	260.2	0.219	75	12.63	33.49	25.318	266.4	0.223							
100	11.32	33.53	25.595	240.0	0.282	100	11.25	33.61	25.670	232.9	0.286							
125	10.42	33.62	25.825	218.2	0.340	125	10.12	33.82	26.032	198.5	0.341							
150	9.61	33.84	26.133	188.9	0.392	150	9.66	33.94	26.203	182.3	0.389							
175	9.04	33.95	26.311	172.0	0.438	175	9.40	34.05	26.331	170.1	0.434							
200	8.75	34.02	26.412	162.5	0.480	200	9.18	34.11	26.414	162.3	0.476							
225	8.49	34.09	26.507	153.4	0.521	225	8.94	34.14	26.475	156.4	0.517							
250	7.97	34.08	26.578	146.7	0.559	250	8.77	34.17	26.526	151.6	0.557							
275	7.78	34.09	26.614	143.3	0.597	275	8.58	34.21	26.587	145.9	0.595							
300	7.42	34.11	26.681	136.9	0.633	300	8.42	34.25	26.643	140.5	0.632							
350	6.98	34.17	26.790	126.6	0.701	350	8.03	34.28	26.725	132.7	0.703							
400	6.53	34.19	26.866	119.4	0.766	400	7.46	34.28	26.809	124.8	0.771							
450	6.22	34.21	26.923	114.0	0.827	450	6.64	34.26	26.907	115.5	0.834							
500	6.27	34.29	26.979	108.7	0.886	500	6.38	34.28	26.957	110.8	0.894							
550	5.91	34.31	27.041	102.8	0.942	550	5.96	34.30	27.027	104.1	0.952							
600	5.51	34.34	27.114	95.9	0.996	600	5.79	34.33	27.072	99.9	1.006							
650	5.24	34.37	27.170	90.6	1.046	650	5.45	34.35	27.129	94.4	1.059							
700	5.11	34.38	27.193	88.3	1.095	700	5.21	34.37	27.174	90.2	1.109							
750	4.85	34.40	27.239	84.0	1.142	750	4.93	34.40	27.230	84.9	1.157							
800	4.70	34.41	27.264	81.6	1.187	800	4.69	34.41	27.265	81.5	1.203							
850	4.55	34.43	27.296	78.6	1.232	850	4.51	34.43	27.301	78.2	1.247							
900	4.32	34.45	27.337	74.7	1.275	900	4.38	34.45	27.331	75.3	1.290							
950	4.21	34.46	27.357	72.8	1.316	950	4.20	34.46	27.358	72.7	1.331							
1000	4.10	34.47	27.376	71.0	1.356	1000	4.06	34.47	27.381	70.6	1.371							
1075	3.93	34.49	27.410	67.8	1.415	1028	4.00	34.48	27.395	69.2	1.394							

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7604					STATION	
															42	
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
30 54.0 N	118 35.0 W	04/27/76	2307 GMT		2715 M	300	10 KT	1	310 10 09							
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
1	15.14	33.554						311.1	0	15.14	33.554		24.849	311.1	0.000	
11	14.90	33.562						305.5	10	14.93	33.561		24.899	306.3	0.031	
31	14.80	33.565						303.3	20	14.85	33.567		24.921	304.2	0.061	
56	14.09	33.526						291.8	30	14.80	33.566		24.930	303.3	0.092	
70	12.81	33.454						272.4	50	14.38	33.544		25.003	296.3	0.152	
85	11.56	33.568						241.4	75	12.34	33.485		25.370	261.4	0.222	
100	11.22	33.609						232.5	100	11.22	33.609		25.675	232.5	0.284	
129	10.05	33.834						196.4	125	10.21	33.800		26.001	201.5	0.339	
154	9.68	33.952						181.7	150	9.72	33.936		26.190	183.6	0.388	
178	9.36	34.070						168.0	200	9.11	34.126		26.437	160.1	0.476	
212	8.99	34.144						156.9	250	8.74	34.197		26.552	149.2	0.555	
275	8.62	34.222						145.6	300	8.56	34.254		26.624	142.4	0.631	
373	8.24	34.312						133.3	400	7.87	34.303		26.767	128.7	0.772	
470	6.82	34.273						116.9	500	6.54	34.276		26.932	113.1	0.900	
610	5.81	34.315						101.2	600	5.86	34.310		27.047	102.2	1.016	
750	5.02	34.402						85.7	700	5.28	34.371		27.166	90.9	1.120	
896	4.39	34.445						75.8	800	4.78	34.420		27.262	81.8	1.215	
1101	3.79	34.496						66.0	1000	4.09	34.470		27.378	70.8	1.385	

STATION 42D		RV ALEXANDER AGASSIZ					CRUISE 7604					STATION 43D			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM						
30 54.0 N	118 35.0 W	04/27/76	2142 GMT	2715 M	30 49.5 N	118 35.5 W	04/28/76	0010 GMT	2791 M						
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
300	10 KT	310 10 09	1	1014.6 MB	15.9 C	12.4 C	5/8 SC	290	07 KT	300 09 09	1	1014.6 MB	15.0 C	11.7 C	6/8 SC
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD				
0	15.11	33.57	24.867	309.3	0.000	0	15.06	33.56	24.870	309.0	0.000				
10	15.01	33.57	24.889	307.2	0.031	10	15.04	33.57	24.883	307.8	0.031				
20	14.96	33.56	24.892	306.9	0.062	20	14.78	33.55	24.923	304.0	0.061				
30	14.82	33.57	24.930	303.3	0.092	30	14.76	33.55	24.928	303.5	0.092				
40	14.75	33.57	24.945	301.9	0.123	40	14.74	33.55	24.932	303.1	0.122				
50	14.48	33.58	25.011	295.7	0.153	50	14.72	33.55	24.936	302.7	0.153				
75	12.64	33.46	25.293	268.8	0.223	75	13.46	33.50	25.161	281.4	0.226				
100	11.22	33.60	25.668	233.1	0.287	100	11.47	33.56	25.591	240.4	0.292				
125	9.96	33.86	26.090	193.0	0.341	125	10.35	33.76	25.946	206.7	0.348				
150	9.60	33.99	26.252	177.7	0.388	150	9.74	33.95	26.197	182.8	0.398				
175	9.32	34.08	26.368	166.7	0.431	175	9.24	34.09	26.388	164.7	0.442				
200	9.03	34.14	26.461	157.8	0.473	200	8.97	34.15	26.479	156.1	0.483				
225	8.82	34.17	26.518	152.4	0.513	225	8.82	34.17	26.518	152.4	0.523				
250	8.65	34.21	26.576	146.9	0.551	250	8.71	34.19	26.551	149.3	0.562				
275	8.59	34.24	26.609	143.8	0.589	275	8.64	34.21	26.578	146.7	0.600				
300	8.53	34.25	26.626	142.2	0.626	300	8.57	34.24	26.612	143.5	0.637				
350	8.33	34.30	26.696	135.5	0.698	350	8.39	34.30	26.687	136.4	0.710				
400	7.96	34.31	26.759	129.5	0.768	400	8.12	34.32	26.743	131.0	0.781				
450	7.08	34.28	26.862	119.7	0.834	450	7.59	34.31	26.814	124.3	0.848				
500	6.63	34.28	26.924	113.9	0.896	500	6.92	34.29	26.892	116.9	0.912				
550	6.26	34.28	26.973	109.3	0.955	550	6.32	34.29	26.973	109.3	0.972				
600	5.89	34.31	27.043	102.6	1.012	600	6.02	34.30	27.019	104.9	1.030				
650	5.46	34.35	27.128	94.5	1.065	650	5.59	34.33	27.096	97.5	1.084				
700	5.23	34.38	27.179	89.7	1.115	700	5.30	34.36	27.155	92.0	1.136				
750	5.01	34.40	27.221	85.7	1.163	750	4.90	34.40	27.233	84.5	1.184				
800	4.71	34.41	27.263	81.8	1.209	800	4.78	34.41	27.255	82.5	1.230				
850	4.61	34.43	27.290	79.2	1.254	850	4.62	34.42	27.281	80.1	1.275				
900	4.41	34.44	27.320	76.4	1.297	900	4.43	34.44	27.317	76.6	1.319				
950	4.25	34.46	27.353	73.2	1.339	950	4.24	34.46	27.354	73.1	1.361				
1000	4.12	34.47	27.374	71.2	1.380	1000	4.08	34.47	27.379	70.8	1.401				
1034	3.97	34.48	27.398	69.0	1.407	1029	3.97	34.48	27.398	69.0	1.424				

STATION 44U		RV ALEXANDER AGASSIZ					CALCOFI CRUISE 7604					STATION 45D			
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM						
30 48.0 N	118 38.0 W	04/28/76	0205 GMT	2791 M	30 48.5 N	118 44.5 W	04/28/76	0320 GMT	2962 M						
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
280	07 KT	320 10 08	1	1014.6 MB	14.0 C	11.0 C	6/8 SC	280	06 KT	320 10 08	2	1015.2 MB	14.0 C	11.0 C	8/8 SC
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD				
0	15.01	33.55	24.874	308.7	0.000	0	14.99	33.56	24.886	307.5	0.000				
10	14.91	33.55	24.896	306.6	0.031	10	14.96	33.55	24.885	307.7	0.031				
20	14.84	33.55	24.911	305.2	0.061	20	14.79	33.56	24.929	303.4	0.061				
30	14.82	33.55	24.915	304.8	0.092	30	14.77	33.55	24.926	303.7	0.092				
40	14.69	33.55	24.943	302.1	0.122	40	14.74	33.55	24.932	303.1	0.122				
50	14.37	33.55	25.011	295.6	0.152	50	14.35	33.54	25.007	296.0	0.152				
75	11.94	33.52	25.473	251.7	0.221	75	13.35	33.50	25.183	279.2	0.225				
100	10.82	33.66	25.786	221.9	0.281	100	11.61	33.54	25.550	244.3	0.291				
125	10.04	33.83	26.053	196.5	0.334	125	10.28	33.77	25.966	204.8	0.347				
150	9.49	34.02	26.293	173.7	0.381	150	9.72	33.90	26.162	186.2	0.397				
175	9.19	34.10	26.404	163.2	0.424	175	9.48	34.01	26.287	174.3	0.443				
200	8.97	34.14	26.471	156.9	0.465	200	9.21	34.08	26.386	164.9	0.486				
225	8.83	34.16	26.509	153.3	0.504	225	8.97	34.12	26.455	158.3	0.528				
250	8.68	34.19	26.556	148.8	0.543	250	8.71	34.15	26.520	152.2	0.568				
275	8.59	34.22	26.593	145.3	0.581	275	8.51	34.19	26.582	146.3	0.606				
300	8.51	34.25	26.629	141.9	0.618	300	8.31	34.23	26.644	140.4	0.643				
350	8.30	34.30	26.700	135.1	0.691	350	7.86	34.27	26.743	131.1	0.714				
400	7.82	34.31	26.780	127.5	0.760	400	7.14	34.25	26.831	122.7	0.780				
450	7.23	34.30	26.857	120.2	0.825	450	6.85	34.28	26.894	116.7	0.844				
500	6.81	34.27	26.892	117.0	0.888	500	6.27	34.28	26.971	109.4	0.904				
550	6.12	34.29	26.999	106.8	0.948	550	5.95	34.31	27.036	103.3	0.960				
600	5.79	34.31	27.056	101.4	1.003	600	5.71	34.33	27.081	98.9	1.015				
650	5.49	34.33	27.109	96.4	1.057	650	5.54	34.36	27.126	94.7	1.067				
700	5.26	34.35	27.152	92.3	1.108	700	5.16	34.38	27.187	88.9	1.117				
750	5.02	34.38	27.204	87.4	1.157	750	4.93	34.39	27.222	85.6	1.165				
800	4.82	34.41	27.250	82.9	1.204	800	4.76	34.41	27.257	82.3	1.211				
850	4.58	34.42	27.285	79.6	1.249	850	4.54	34.43	27.298	78.5	1.255				
900	4.47	34.43	27.305	77.7	1.293	900	4.34	34.45	27.335	74.9	1.298				
950	4.20	34.45	27.350	73.5	1.335	950	4.18	34.46	27.360	72.5	1.339				
1000	4.05	34.47	27.382	70.5	1.376	1000	4.07	34.47	27.380	70.7	1.380				
1100	3.73	34.49	27.430	65.9	1.453	1040	3.99	34.48	27.396	69.1	1.411				
1200	3.50	34.51	27.469	62.2	1.526										
1300	3.24	34.54	27.518	57.6	1.596										
1400	3.06	34.55	27.543	55.2	1.662										
1487	2.94	34.56	27.562	53.4	1.718										

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 8.0 N		118 11.0 W		04/28/76	1128 GMT			3169 M	300	10 KT	1	310 05 07			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	15.53	33.648						312.4	0	15.53	33.648		24.835	312.4	0.000
11	15.52	33.645						312.4	10	15.52	33.646		24.835	312.4	0.031
31	15.41	33.640						310.4	20	15.49	33.650		24.844	311.5	0.062
55	14.94	33.639						300.7	30	15.42	33.642		24.854	310.5	0.094
70	12.73	33.531						265.3	50	15.04	33.639		24.936	302.8	0.155
89	11.25	33.602						233.5	75	12.24	33.539		25.431	255.6	0.225
109	10.43	33.690						213.2	100	10.74	33.649		25.791	221.5	0.286
138	9.49	33.867						185.1	125	9.87	33.789		26.049	196.9	0.338
167	8.85	33.971						167.6	150	9.20	33.918		26.261	176.8	0.386
206	8.27	34.022						155.3	200	8.35	34.018		26.472	156.7	0.471
274	7.53	34.088						140.0	250	7.76	34.066		26.598	144.8	0.548
391	6.72	34.217						119.7	300	7.32	34.118		26.702	134.9	0.620
537	6.02	34.323						103.1	400	6.67	34.225		26.875	118.5	0.752
732	4.91	34.399						84.7	500	6.19	34.301		26.999	106.8	0.871
927	4.21	34.465						72.5	600	5.65	34.352		27.106	96.6	0.980
1121	3.73	34.513						64.1	700	5.08	34.389		27.203	87.4	1.080
1315	3.25	34.546						57.2	800	4.63	34.424		27.283	79.9	1.172
1508	2.85	34.574						51.6	1000	4.02	34.485		27.397	69.0	1.338
									1200	3.53	34.528		27.480	61.2	1.487
									1500	2.87	34.574		27.578	51.9	1.686

STATION 46D

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7604

STATION 47D

LATITUDE		LONGITUDE		MO/DAY/YR	START TIME			BOTTOM	LATITUDE		LONGITUDE		MO/DAY/YR	START TIME			BOTTOM		
30 08.0 N		118 11.0 W		04/28/76	0933 GMT			3169 M	31 06.0 N		118 34.5 W		04/28/76	1905 GMT			2117 M		
WIND	SPEED	WAVES		WEA	BAROMETER		DRY	WET	CLOUDS	WIND	SPEED	WAVES		WEA	BAROMETER		DRY	WET	CLOUDS
300	10 KT	310	05 07	1	1016.6 MB		13.9 C	10.1 C	6/8 SC	300	10 KT	320	06 08	1	1020.0 MB		16.2 C	11.5 C	5/8 SC
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD								
0	15.57	33.66	24.835	312.4	0.000	0	15.03	33.58	24.892	306.9	0.000								
10	15.58	33.65	24.825	313.3	0.031	10	14.94	33.56	24.897	306.5	0.031								
20	15.45	33.65	24.854	310.6	0.063	20	14.86	33.56	24.914	304.9	0.061								
30	15.27	33.65	24.894	306.8	0.093	30	14.82	33.56	24.922	304.0	0.092								
40	15.16	33.65	24.918	304.5	0.124	40	14.43	33.55	24.998	296.8	0.122								
50	14.97	33.65	24.959	300.6	0.155	50	13.86	33.53	25.102	287.0	0.151								
75	11.76	33.54	25.522	247.0	0.223	75	12.05	33.51	25.445	254.4	0.219								
100	10.53	33.67	25.845	216.3	0.282	100	10.86	33.55	25.693	230.7	0.280								
125	9.55	33.85	26.151	187.3	0.333	125	10.22	33.67	25.898	211.2	0.336								
150	9.21	33.92	26.261	176.8	0.379	150	9.63	33.83	26.122	190.0	0.387								
175	8.79	33.97	26.367	166.8	0.423	175	9.20	33.95	26.286	174.4	0.433								
200	8.33	34.02	26.477	156.3	0.464	200	8.93	34.03	26.391	164.4	0.477								
225	7.95	34.07	26.573	147.2	0.503	225	8.76	34.09	26.465	157.4	0.518								
250	7.61	34.09	26.638	141.0	0.540	250	8.52	34.13	26.533	150.9	0.558								
275	7.40	34.11	26.684	136.6	0.576	275	8.40	34.17	26.583	146.2	0.596								
300	7.21	34.11	26.711	134.1	0.611	300	8.23	34.19	26.625	142.3	0.633								
350	6.91	34.20	26.823	123.5	0.677	350	7.59	34.19	26.719	133.3	0.705								
400	6.59	34.23	26.890	117.1	0.740	400	7.05	34.24	26.835	122.3	0.772								
450	6.34	34.27	26.954	111.0	0.800	450	6.72	34.26	26.896	116.6	0.835								
500	6.13	34.31	27.013	105.5	0.858	500	6.33	34.27	26.956	110.9	0.895								
550	5.82	34.33	27.068	100.2	0.913	550	6.16	34.33	27.025	104.3	0.952								
600	5.51	34.36	27.130	94.4	0.965	600	5.64	34.32	27.083	98.8	1.007								
650	5.23	34.37	27.171	90.4	1.015	650	5.40	34.35	27.135	93.9	1.059								
700	5.03	34.39	27.211	86.7	1.063	700	5.19	34.39	27.192	88.5	1.109								
750	4.80	34.41	27.253	82.7	1.109	750	4.88	34.40	27.236	84.3	1.156								
800	4.63	34.42	27.280	80.2	1.154	800	4.62	34.42	27.281	80.1	1.201								
850	4.43	34.44	27.317	76.6	1.198	850	4.49	34.44	27.311	77.2	1.245								
900	4.26	34.46	27.352	73.3	1.240	900	4.29	34.45	27.340	74.4	1.287								
950	4.10	34.48	27.384	70.2	1.280	950	4.13	34.47	27.373	71.3	1.328								
1000	3.97	34.49	27.406	68.2	1.319	1000	3.98	34.48	27.397	69.0	1.367								
1100	3.72	34.51	27.447	64.3	1.394														
1200	3.47	34.53	27.488	60.4	1.466														
1300	3.24	34.54	27.518	57.6	1.534														
1400	3.01	34.56	27.555	54.0	1.600														
1476	2.85	34.57	27.578	51.9	1.647														

STATION 48D RV ALEXANDER AGASSIZ									CRUISE 7604									STATION 49D		
LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		BOTTOM	LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		BOTTOM			
31 03.0 N		118 37.5 W		04/29/76		0155 GMT		1114 M	30 55.0 N		118 17.0 W		04/29/76		0500 GMT		1856 M			
WIND	SPEED	WAVES		WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES		WEA	BAROMETER	DRY	WET	CLOUDS			
300	07 KT	310	03 04	1	1018.6 MB	13.9 C	10.2 C	7/8 SC	320	09 KT	310	03 04	1	1020.0 MB	13.8 C	10.0 C	7/8 SC			
Z	T	S	SIGT	DT	DD															
0	15.13	33.57	24.863	309.7	0.000															
10	14.98	33.56	24.888	307.3	0.031															
20	14.91	33.57	24.911	305.2	0.062															
30	14.83	33.56	24.920	304.2	0.092															
40	14.55	33.56	24.980	298.5	0.122															
50	14.28	33.56	25.038	293.1	0.152															
75	12.48	33.46	25.324	265.9	0.222															
100	11.31	33.51	25.582	241.3	0.286															
125	10.35	33.69	25.891	211.9	0.343															
150	9.69	33.84	26.120	190.2	0.394															
175	9.37	33.99	26.289	174.1	0.441															
200	9.14	34.07	26.389	164.6	0.484															
225	8.88	34.11	26.462	157.7	0.525															
250	8.53	34.14	26.540	150.3	0.565															
275	8.30	34.18	26.606	144.0	0.603															
300	8.15	34.21	26.652	139.6	0.640															
350	7.59	34.23	26.751	130.3	0.710															
400	7.11	34.25	26.835	122.4	0.776															
450	6.54	34.27	26.928	113.5	0.838															
500	6.21	34.28	26.979	108.7	0.897															
550	6.08	34.33	27.035	103.3	0.954															
600	5.66	34.33	27.088	98.3	1.008															
650	5.34	34.35	27.142	93.2	1.060															
700	5.05	34.37	27.192	88.4	1.109															
750	4.85	34.40	27.239	84.0	1.156															
800	4.76	34.42	27.265	81.5	1.202															
850	4.62	34.42	27.281	80.1	1.246															
900	4.42	34.44	27.319	76.5	1.290															
950	4.19	34.46	27.359	72.6	1.332															
1000	4.05	34.48	27.390	69.7	1.372															
						1100	3.73	34.50	27.438	65.1	1.443									
						1200	3.50	34.52	27.477	61.5	1.515									
						1300	3.25	34.54	27.517	57.7	1.584									
						1400	3.06	34.56	27.551	54.5	1.650									
						1470	2.92	34.57	27.572	52.5	1.694									

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7604

## STATION 50

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 40.5 N		118 40.5 W		04/29/76		1907 GMT		1354 M	330	14 KT	1	320 03 04			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	14.97	33.592						304.8	0	14.97	33.592		24.915	304.8	0.000
11	14.94	33.590						304.3	10	14.94	33.591		24.919	304.4	0.030
31	14.94	33.592						304.2	20	14.94	33.591		24.920	304.2	0.061
56	13.82	33.519						287.0	30	14.94	33.592		24.921	304.2	0.091
70	13.18	33.485						277.1	50	14.15	33.539		25.049	292.0	0.151
85	12.94	33.482						272.8	75	13.10	33.481		25.218	275.9	0.223
100	12.23	33.517						257.1	100	12.23	33.517		25.416	257.1	0.290
129	11.01	33.605						229.2	125	11.17	33.588		25.667	233.2	0.352
154	10.09	33.810						198.8	150	10.22	33.775		25.980	203.5	0.407
178	9.64	33.959						180.6	200	9.40	34.046		26.329	170.3	0.502
212	9.29	34.080						166.2	250	8.83	34.149		26.501	154.0	0.586
276	8.51	34.177						147.3	300	8.28	34.207		26.630	141.7	0.662
372	7.68	34.272						128.4	400	7.44	34.281		26.812	124.5	0.801
469	6.87	34.292						116.1	500	6.59	34.299		26.943	112.0	0.926
608	5.70	34.334						98.5	600	5.76	34.331		27.076	99.5	1.039
747	4.89	34.409						83.8	700	5.13	34.384		27.194	88.3	1.141
890	4.29	34.452						74.2	800	4.64	34.427		27.284	79.8	1.234
1093	3.71	34.511						64.1	1000	3.98	34.483		27.400	68.8	1.399





RV ALEXANDER AGASSIZ										CRUISE 7604									
STATION 54D					RV ALEXANDER AGASSIZ					CRUISE 7604					STATION 55D				
LATITUDE	LONGITUDE	MO/DAY/YR			START TIME		BOTTOM		LATITUDE	LONGITUDE	MO/DAY/YR			START TIME		BOTTOM			
30 48.5 N	118 44.5 W	05/01/76			0025 GMT		2886 M		30 49.5 N	118 35.5 W	05/01/76			0840 GMT		2981 M			
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS				
320	12 KT	330 05 05	1	1018.6 MB	15.9 C	14.0 C	7/8 SC	320	12 KT	330 04 05	1	1017.6 MB	14.3 C	13.1 C	2/8 SC				
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD								
0	15.10	33.59	24.885	307.6	0.000	0	15.02	33.58	24.895	306.7	0.000								
10	15.10	33.58	24.877	308.4	0.031	10	15.02	33.58	24.895	306.7	0.031								
20	15.05	33.59	24.896	306.6	0.062	20	15.02	33.58	24.895	306.7	0.061								
30	14.96	33.59	24.915	304.7	0.092	30	14.93	33.57	24.906	305.6	0.092								
40	14.92	33.59	24.924	303.9	0.123	40	14.90	33.57	24.913	304.9	0.123								
50	14.51	33.54	24.973	299.2	0.153	50	14.45	33.53	24.978	298.7	0.153								
75	12.34	33.48	25.366	261.8	0.224	75	12.48	33.51	25.362	262.2	0.224								
100	11.03	33.58	25.687	231.4	0.286	100	11.22	33.60	25.668	233.1	0.286								
125	10.18	33.78	25.990	202.5	0.341	125	9.97	33.87	26.096	192.4	0.340								
150	9.65	33.94	26.204	182.2	0.389	150	9.53	34.02	26.286	174.4	0.386								
175	9.25	34.05	26.356	167.8	0.434	175	9.30	34.09	26.379	165.6	0.430								
200	8.89	34.11	26.460	157.9	0.475	200	9.17	34.12	26.423	161.4	0.471								
225	8.68	34.13	26.509	153.3	0.515	225	9.00	34.14	26.466	157.3	0.512								
250	8.48	34.16	26.563	148.1	0.554	250	8.81	34.17	26.520	152.2	0.552								
275	8.28	34.18	26.610	143.7	0.592	275	8.69	34.20	26.562	148.2	0.591								
300	8.19	34.23	26.662	138.7	0.628	300	8.54	34.25	26.624	142.3	0.629								
350	7.57	34.25	26.769	128.5	0.698	350	8.37	34.30	26.690	136.1	0.701								
400	7.12	34.28	26.857	120.3	0.763	400	8.06	34.32	26.752	130.2	0.771								
450	6.74	34.27	26.901	116.1	0.825	450	7.53	34.31	26.822	123.5	0.838								
500	6.27	34.28	26.971	109.4	0.885	500	6.46	34.28	26.946	111.8	0.900								
550	6.06	34.34	27.046	102.4	0.942	550	6.13	34.29	26.997	106.9	0.959								
600	5.88	34.35	27.076	99.4	0.996	600	5.72	34.32	27.072	99.8	1.014								
650	5.54	34.36	27.126	94.7	1.049	650	5.41	34.35	27.134	94.0	1.067								
700	5.28	34.40	27.189	88.8	1.099	700	5.12	34.38	27.192	88.5	1.116								
750	4.87	34.40	27.237	84.2	1.146	750	4.94	34.40	27.229	85.0	1.164								
800	4.67	34.42	27.275	80.6	1.191	800	4.67	34.42	27.275	80.6	1.209								
850	4.43	34.44	27.317	76.6	1.235	850	4.50	34.43	27.302	78.1	1.253								
900	4.27	34.45	27.343	74.2	1.277	900	4.32	34.45	27.337	74.7	1.296								
950	4.16	34.46	27.362	72.3	1.318	950	4.16	34.46	27.362	72.3	1.337								
1000	4.07	34.47	27.380	70.7	1.358	1000	4.04	34.48	27.391	69.6	1.377								
1069	3.89	34.49	27.414	67.4	1.412														

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7604									
STATION 55					RV ALEXANDER AGASSIZ					CALCOFI CRUISE 7604					STATION 55				
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES							
30 49.5 N	118 35.5 W	05/01/76			1015 GMT		2981 M		320	12 KT	1	330 04 05							
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD				
1	14.99	33.572						306.7	0	14.99	33.572		24.895	306.7	0.000				
11	14.99	33.572						306.7	10	14.99	33.572		24.895	306.7	0.031				
30	14.97	33.565						306.7	20	14.98	33.569		24.895	306.7	0.061				
54	14.32	33.530						296.1	30	14.97	33.565		24.894	306.7	0.092				
69	13.11	33.501						274.6	50	14.51	33.538		24.972	299.3	0.153				
83	12.12	33.537						253.6	75	12.66	33.513		25.328	265.4	0.224				
97	11.36	33.582						236.9	100	11.21	33.604		25.673	232.6	0.286				
126	10.14	33.823						198.6	125	10.17	33.814		26.018	199.9	0.341				
150	9.67	33.972						180.1	150	9.67	33.972		26.226	180.1	0.389				
174	9.35	34.071						167.8	200	9.17	34.117		26.420	161.7	0.476				
207	9.14	34.123						160.7	250	8.88	34.172		26.510	153.2	0.557				
271	8.76	34.193						149.8	300	8.64	34.237		26.599	144.7	0.634				
366	8.24	34.314						133.2	400	7.83	34.312		26.781	127.5	0.777				
461	7.02	34.295						117.8	500	6.61	34.297		26.940	112.3	0.904				
600	5.76	34.321						100.2	600	5.76	34.321		27.068	100.2	1.017				
738	5.07	34.381						87.8	700	5.23	34.363		27.166	90.9	1.121				
882	4.47	34.440						77.0	800	4.80	34.407		27.251	82.9	1.216				
1085	3.82							65.2	1000	4.09	34.480		27.385	70.2	1.387				



RV ALEXANDER AGASSIZ

CRUISE 7604

STATION 59

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 53.5 N	118 38.5 W	05/03/76	0313 GMT	2791 M	320	15 KT	1	320 12 09							
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SI02	DT	DD
1	15.11	33.566						309.6	0	15.11	33.566		24.864	309.6	0.000
11	15.11	33.568						309.4	10	15.11	33.568		24.866	309.4	0.031
31	15.11	33.569						309.4	20	15.11	33.569		24.866	309.4	0.062
55	14.60	33.550						300.3	30	15.11	33.569		24.867	309.4	0.093
69	13.49	33.504						281.6	50	14.71	33.554		24.942	302.2	0.154
84	12.59	33.458						268.0	75	13.09	33.481		25.219	275.8	0.227
98	12.01	33.488						255.3	100	11.92	33.496		25.458	253.0	0.294
127	10.76	33.644						222.1	125	10.84	33.631		25.759	224.4	0.354
152	10.00	33.801						198.0	150	10.05	33.789		26.019	199.8	0.408
176	9.33	33.941						177.1	200	9.11	34.045		26.374	166.1	0.501
210	9.07	34.077						163.1	250	8.62	34.148		26.532	151.1	0.582
273	8.35	34.167						145.7	300	8.12	34.193		26.644	140.4	0.658
370	7.56	34.237						129.4	400	7.27	34.249		26.811	124.6	0.796
467	6.65	34.274						114.6	500	6.43	34.296		26.962	110.3	0.920
607	5.82	34.363						97.8	600	5.86	34.359		27.086	98.5	1.032
747	4.91	34.406						84.2	700	5.20	34.394		27.194	88.3	1.133
891	4.40	34.444						76.0	800	4.69	34.422		27.274	80.7	1.226
1098	3.75	34.460						68.3	1000	4.06	34.452		27.366	71.9	1.396

STATION 60U		RV ALEXANDER AGASSIZ						CALCOFT CRUISE 7604						STATION 61D	
LATITUDE		LONGITUDE		MO/DAY/YR	START TIME		BOTTOM	LATITUDE		LONGITUDE		MO/DAY/YR	START TIME		BOTTOM
30 53.0 N	118 35.5 W	05/03/76	0443 GMT	2603 M	30 52.0 N	118 19.0 W	05/03/76	0640 GMT	1856 M						
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
320	14 KT	320 11 09	2	1014.9 MB	14.2 C	12.0 C	8/8 SC	320	12 KT	320 08 08	2	1015.6 MB	14.1 C	11.9 C	8/8 SC
Z	T	S	SI02	DT	DD	Z	T	S	SI02	DT	DD				
0	15.12	33.56	24.858	310.2	0.000	0	15.18	33.58	24.860	310.0	0.000				
10	15.12	33.56	24.858	310.2	0.031	10	15.18	33.58	24.860	310.0	0.031				
20	15.12	33.56	24.858	310.2	0.062	20	15.18	33.58	24.860	310.0	0.062				
30	15.11	33.57	24.867	309.3	0.093	30	15.18	33.58	24.860	310.0	0.093				
40	14.55	33.55	24.973	299.3	0.124	40	15.17	33.58	24.862	309.8	0.124				
50	14.28	33.54	25.022	294.6	0.153	50	14.75	33.55	24.930	303.3	0.153				
75	13.02	33.52	25.264	271.5	0.225	75	12.52	33.49	25.339	264.4	0.226				
100	11.75	33.54	25.524	246.8	0.290	100	11.06	33.54	25.650	234.8	0.289				
125	10.90	33.63	25.749	225.5	0.350	125	10.21	33.75	25.962	205.2	0.345				
150	10.00	33.86	26.083	193.6	0.403	150	9.75	33.93	26.180	184.5	0.394				
175	9.41	34.02	26.306	172.5	0.449	175	9.38	34.06	26.342	169.1	0.439				
200	9.27	34.07	26.368	166.6	0.493	200	9.06	34.11	26.433	160.5	0.461				
225	9.01	34.11	26.441	159.7	0.534	225	8.87	34.14	26.487	155.4	0.522				
250	8.74	34.17	26.531	151.2	0.574	250	8.77	34.17	26.526	151.6	0.561				
275	8.55	34.20	26.584	146.2	0.613	275	8.62	34.19	26.565	147.9	0.600				
300	8.44	34.22	26.616	143.1	0.650	300	8.44	34.22	26.616	143.1	0.638				
350	7.91	34.28	26.743	131.0	0.722	350	8.16	34.29	26.714	133.8	0.710				
400	7.43	34.27	26.805	125.1	0.789	400	7.54	34.29	26.805	125.2	0.778				
450	7.00	34.28	26.873	118.7	0.853	450	6.90	34.27	26.879	118.1	0.842				
500	6.55	34.27	26.927	113.6	0.915	500	6.30	34.28	26.967	109.8	0.902				
550	6.14	34.30	27.004	106.3	0.973	550	6.04	34.30	27.017	105.1	0.960				
600	5.81	34.32	27.061	100.9	1.029	600	5.92	34.34	27.063	100.7	1.015				
650	5.62	34.35	27.109	96.4	1.082	650	5.46	34.34	27.120	95.3	1.068				
700	5.15	34.37	27.181	89.5	1.133	700	5.25	34.36	27.161	91.4	1.119				
750	4.88	34.40	27.236	84.3	1.180	750	4.94	34.39	27.221	85.7	1.167				
800	4.74	34.41	27.259	82.1	1.226	800	4.75	34.40	27.250	82.9	1.213				
850	4.55	34.43	27.296	78.6	1.271	850	4.58	34.42	27.285	79.6	1.258				
900	4.36	34.44	27.325	75.9	1.314	900	4.40	34.44	27.321	76.3	1.302				
950	4.19	34.46	27.359	72.6	1.355	950	4.24	34.45	27.346	73.9	1.344				
1000	3.98	34.48	27.397	69.0	1.395	1000	4.08	34.47	27.379	70.8	1.385				
						1022	4.02	34.48	27.393	69.5	1.402				

STATION		62U		RV ALEXANDER AGASSIZ				CRUISE 7604				STATION		63D	
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM	LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM	
30 50.0 N	118 03.5 W	05/03/76	1005 GMT	1298 M	30 49.5 N	118 39.5 W	05/03/76	2325 GMT	2791 M						
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPRED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
310	10 KT	310 05 08	2	1014.9 MB	14.0 C	11.6 C	8/8 SC	310	15 KT	320 08 06	2	1015.2 MB	14.4 C	11.6 C	8/8 SC
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD				
0	15.12	33.59	24.881	308.0	0.000	0	15.07	33.57	24.876	308.5	0.000				
10	15.12	33.59	24.881	308.0	0.031	10	15.07	33.57	24.876	308.5	0.031				
20	15.12	33.59	24.881	308.0	0.062	20	15.07	33.57	24.876	308.5	0.062				
30	15.02	33.58	24.895	306.7	0.092	30	15.05	33.57	24.881	308.0	0.093				
40	14.97	33.57	24.898	306.4	0.123	40	14.74	33.56	24.940	302.4	0.123				
50	14.37	33.55	25.011	295.6	0.153	50	13.48	33.49	25.149	282.5	0.153				
75	12.86	33.47	25.257	272.2	0.225	75	12.24	33.51	25.408	257.8	0.221				
100	11.59	33.55	25.561	243.3	0.290	100	11.22	33.59	25.660	233.9	0.283				
125	9.92	33.73	25.996	202.0	0.346	125	10.05	33.83	26.052	196.7	0.337				
150	9.40	33.86	26.183	184.2	0.395	150	9.57	33.96	26.233	179.4	0.385				
175	8.86	33.97	26.356	167.8	0.440	175	9.37	34.06	26.344	168.9	0.429				
200	8.56	34.03	26.449	158.9	0.481	200	9.15	34.11	26.418	161.8	0.471				
225	8.38	34.09	26.524	151.8	0.521	225	8.90	34.15	26.490	155.1	0.512				
250	8.14	34.11	26.576	146.9	0.560	250	8.68	34.17	26.540	150.3	0.551				
275	7.76	34.12	26.640	140.8	0.597	275	8.55	34.22	26.599	144.7	0.589				
300	7.45	34.11	26.677	137.3	0.633	300	8.43	34.24	26.633	141.4	0.626				
350	6.81	34.12	26.774	128.1	0.702	350	8.12	34.28	26.712	134.0	0.698				
400	6.53	34.18	26.858	120.1	0.766	400	7.70	34.30	26.790	126.6	0.766				
450	6.34	34.23	26.923	114.0	0.828	450	6.92	34.28	26.884	117.6	0.831				
500	6.04	34.27	26.993	107.3	0.886	500	6.37	34.28	26.958	110.6	0.891				
550	5.83	34.30	27.043	102.6	0.942	550	6.20	34.29	26.988	107.8	0.950				
600	5.51	34.33	27.106	96.6	0.996	600	5.85	34.31	27.048	102.1	1.006				
650	5.29	34.35	27.148	92.6	1.047	650	5.53	34.37	27.135	93.9	1.059				
700	5.08	34.37	27.189	88.8	1.096	700	5.27	34.38	27.175	90.1	1.109				
750	4.84	34.39	27.232	84.7	1.144	750	4.95	34.39	27.220	85.9	1.157				
800	4.65	34.41	27.269	81.1	1.189	800	4.70	34.42	27.272	80.9	1.203				
850	4.48	34.43	27.304	77.9	1.233	850	4.49	34.44	27.311	77.2	1.247				
900	4.32	34.44	27.329	75.5	1.276	900	4.36	34.45	27.333	75.1	1.289				
950	4.25	34.45	27.345	74.0	1.318	950	4.19	34.46	27.359	72.6	1.331				
1000	4.06	34.47	27.381	70.6	1.358	1000	4.04	34.47	27.383	70.4	1.371				
1100	3.79	34.49	27.424	66.4	1.436	1022	3.99	34.48	27.396	69.1	1.388				
1200	3.50	34.52	27.477	61.5	1.510										
1241	3.41	34.53	27.494	59.9	1.538										

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7604

STATION 63

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 49.5 N	118 39.5 W	05/04/76	0039	GMT	2791 M	310	15 KT	2	320 08 06						
Z	T	S	O2	PO4	STO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	15.07	33.572						308.3	0	15.07	33.572		24.878	308.3	0.000
10	15.06	33.574						308.0	10	15.06	33.574		24.881	308.0	0.031
29	15.08	33.573						308.5	20	15.07	33.574		24.879	308.2	0.062
53	13.47	33.492						282.1	30	15.03	33.570		24.884	307.7	0.093
67	12.52	33.466						266.2	50	13.72	33.503		25.109	286.3	0.152
81	12.08	33.530						253.4	75	12.25	33.500		25.397	258.9	0.221
95	11.36	33.569						237.8	100	11.10	33.611		25.698	230.2	0.282
123	10.08	33.830						197.1	125	10.02	33.844		26.067	195.2	0.336
146	9.60	33.962						179.8	150	9.56	33.980		26.250	177.8	0.383
170	9.42	34.049						170.5	200	9.14	34.108		26.418	161.9	0.470
202	9.12	34.110						161.4	250	8.73	34.180		26.539	150.4	0.550
263	8.64	34.196						147.8	300	8.44	34.248		26.638	141.0	0.626
357	8.07	34.303						131.6	400	7.56	34.302		26.811	124.6	0.764
452	6.92	34.291						116.8	500	6.50	34.295		26.953	111.1	0.889
588	5.89	34.317						102.0	600	5.81	34.322		27.063	100.7	1.003
726	5.08	34.386						87.6	700	5.22	34.372		27.174	90.1	1.106
868	4.48	34.447						76.6	800	4.74	34.420		27.267	81.4	1.200
1068	3.88	34.494						67.0	1000	4.08	34.478		27.384	70.3	1.370

STATION 64U RV ALEXANDER AGASSIZ

CRUISE 7604

STATION 65D

LATITUDE 30 49.5 N LONGITUDE 118 35.5 W MO/DAY/YR 05/04/76 START TIME 0222 GMT BOTTOM 2791 M

LATITUDE 30 49.5 N LONGITUDE 118 32.5 W MO/DAY/YR 05/04/76 START TIME 0310 GMT BOTTOM 2791 F

WIND 320 SPEED 18 KT WAVES 320 10 07 WEA 2 BAROMETER 1014.9 MB DRY 14.2 C WET 11.7 C CLOUDS 8/8 ST

WIND 320 SPEED 13 KT WAVES 320 10 07 WEA 2 BAROMETER 1015.2 MB DRY 14.2 C WET 11.5 C CLOUDS 8/8 SC

Z	T	S	SIGT	DT	DD
0	15.07	33.57	24.876	308.5	0.000
10	15.07	33.57	24.876	308.5	0.031
20	15.07	33.57	24.876	308.5	0.062
30	15.06	33.57	24.878	308.2	0.093
40	14.68	33.53	24.930	303.4	0.123
50	13.71	33.50	25.110	286.2	0.153
75	12.23	33.50	25.403	258.4	0.221
100	11.29	33.58	25.640	235.8	0.284
125	10.26	33.78	25.977	203.8	0.339
150	9.62	33.94	26.209	181.7	0.388
175	9.40	34.05	26.331	170.1	0.433
200	9.21	34.09	26.393	164.2	0.476
225	8.94	34.15	26.483	155.7	0.517
250	8.74	34.18	26.538	150.5	0.556
275	8.61	34.21	26.582	146.3	0.594
300	8.48	34.24	26.626	142.2	0.632
350	8.15	34.30	26.723	132.9	0.703
400	7.58	34.30	26.807	125.0	0.771
450	7.08	34.29	26.870	119.0	0.835
500	6.42	34.28	26.952	111.3	0.897
550	6.03	34.29	27.010	105.7	0.954
600	5.70	34.33	27.083	98.8	1.009
650	5.54	34.37	27.134	94.0	1.061
700	5.23	34.38	27.179	89.7	1.111
750	4.89	34.39	27.227	85.2	1.159
800	4.85	34.40	27.239	84.0	1.206
850	4.57	34.42	27.286	79.5	1.251
900	4.39	34.44	27.322	76.2	1.294
950	4.21	34.46	27.357	72.8	1.336
1000	4.03	34.48	27.392	69.5	1.376

Z	T	S	SIGT	DT	DD
0	15.07	33.58	24.884	307.7	0.000
10	15.08	33.58	24.882	307.9	0.031
20	15.08	33.58	24.882	307.9	0.062
30	15.08	33.58	24.882	307.9	0.092
40	14.81	33.54	24.909	305.3	0.123
50	14.16	33.54	25.047	292.2	0.153
75	12.13	33.51	25.429	255.8	0.222
100	10.91	33.65	25.762	224.2	0.283
125	10.05	33.81	26.036	198.1	0.336
150	9.64	33.97	26.229	179.8	0.384
175	9.32	34.08	26.368	166.7	0.428
200	9.16	34.11	26.417	162.0	0.470
225	8.92	34.15	26.486	155.4	0.511
250	8.72	34.19	26.549	149.4	0.550
275	8.59	34.23	26.601	144.5	0.588
300	8.52	34.25	26.627	142.0	0.625
350	8.26	34.30	26.706	134.5	0.697
400	7.84	34.31	26.777	127.8	0.766
450	7.35	34.31	26.848	121.1	0.832
500	6.38	34.28	26.957	110.8	0.893
550	6.02	34.30	27.019	104.9	0.951
600	5.69	34.33	27.084	98.7	1.005
650	5.57	34.35	27.115	95.8	1.058
700	5.25	34.38	27.177	89.9	1.108

STATION 66D RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7604

STATION 67D

LATITUDE 30 49.0 N LONGITUDE 118 28.5 W MO/DAY/YR 05/04/76 START TIME 0415 GMT BOTTOM 2602 M

LATITUDE 30 32.0 N LONGITUDE 118 37.5 W MO/DAY/YR 05/05/76 START TIME 0208 GMT BOTTOM 2886 M

WIND 320 SPEED 11 KT WAVES 320 09 07 WEA 2 BAROMETER 1015.2 MB DRY 13.7 C WET 11.5 C CLOUDS 8/8 SC

WIND 310 SPEED 08 KT WAVES 320 04 06 WEA 2 BAROMETER 1018.6 MB DRY 14.2 C WET 11.5 C CLOUDS 8/8 SC

Z	T	S	SIGT	DT	DD
0	15.06	33.57	24.878	308.2	0.000
10	15.07	33.57	24.876	308.5	0.031
20	15.07	33.57	24.876	308.5	0.062
30	15.07	33.57	24.876	308.5	0.093
40	14.72	33.56	24.944	302.0	0.123
50	14.08	33.53	25.056	291.3	0.153
75	12.02	33.50	25.442	254.6	0.222
100	10.82	33.68	25.802	220.4	0.282
125	10.04	33.84	26.061	195.8	0.334
150	9.64	33.96	26.222	180.5	0.382
175	9.29	34.08	26.372	166.2	0.426
200	9.07	34.13	26.447	159.1	0.468
225	8.82	34.17	26.518	152.4	0.508
250	8.69	34.20	26.562	148.2	0.546
275	8.58	34.23	26.602	144.4	0.584
300	8.48	34.27	26.649	140.0	0.621
350	8.26	34.31	26.714	133.8	0.692
400	7.84	34.31	26.777	127.8	0.761
450	7.51	34.31	26.825	123.3	0.827
500	6.37	34.28	26.958	110.6	0.889
550	6.19	34.29	26.990	107.7	0.948
600	5.85	34.30	27.041	102.8	1.004
650	5.54	34.36	27.126	94.7	1.057
700	5.19	34.37	27.176	90.0	1.108
750	4.96	34.40	27.227	85.2	1.156
800	4.69	34.41	27.265	81.5	1.201
850	4.50	34.43	27.302	78.1	1.246
900	4.37	34.45	27.332	75.2	1.288
950	4.22	34.46	27.356	72.9	1.330
1000	4.05	34.48	27.390	69.7	1.370
1028	3.94	34.48	27.401	68.7	1.392

Z	T	S	SIGT	DT	DD
0	15.14	33.59	24.876	308.5	0.000
10	15.15	33.59	24.874	308.7	0.031
20	15.15	33.59	24.874	308.7	0.062
30	15.15	33.59	24.874	308.7	0.093
40	15.09	33.59	24.887	307.4	0.124
50	14.71	33.58	24.962	300.3	0.154
75	12.96	33.49	25.253	272.6	0.226
100	11.92	33.51	25.469	252.0	0.292
125	10.55	33.68	25.849	215.9	0.351
150	9.86	33.80	26.060	195.8	0.404
175	9.30	33.94	26.262	176.7	0.451
200	8.87	33.99	26.370	166.5	0.495
225	8.40	34.03	26.474	156.6	0.536
250	8.08	34.06	26.546	149.8	0.575
275	7.78	34.09	26.614	143.3	0.613
300	7.48	34.11	26.672	137.7	0.649
350	7.05	34.15	26.764	129.0	0.719
400	6.65	34.19	26.850	120.9	0.784
450	6.34	34.24	26.931	113.2	0.846
500	6.12	34.28	26.991	107.6	0.904
550	5.73	34.32	27.071	99.9	0.959
600	5.49	34.35	27.125	94.9	1.012
650	5.32	34.37	27.161	91.4	1.062
700	5.10	34.40	27.210	86.7	1.110
750	4.83	34.41	27.249	83.1	1.157
800	4.73	34.43	27.276	80.5	1.202
850	4.55	34.44	27.304	77.8	1.246
900	4.31	34.45	27.338	74.6	1.288
950	4.13	34.47	27.373	71.3	1.329
1000	3.96	34.48	27.399	68.8	1.369

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM		WIND		SPEED		WEATHER	DOMINANT WAVES	
	30	32.0 N	118	37.5 W	05/05/76	0316	GMT	2886 M		310	08 KT	2	320	05	06			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD			
1	15.15	33.594						308.4	0	15.15	33.594		24.877	308.4	0.000			
11	15.13	33.591						308.2	10	15.13	33.592		24.879	308.2	0.031			
30	15.14	33.588						308.6	20	15.13	33.590		24.877	308.4	0.062			
55	14.56	33.583						297.1	30	15.14	33.588		24.874	308.6	0.093			
69	13.67	33.541						282.4	50	14.75	33.588		24.958	300.7	0.154			
84	12.37	33.501						260.8	75	13.12	33.520		25.245	273.3	0.226			
98	11.99	33.512						253.1	100	11.89	33.521		25.483	250.7	0.292			
127	10.50	33.692						214.2	125	10.61	33.676		25.836	217.2	0.351			
151	9.72	33.825						191.8	150	9.74	33.820		26.095	192.6	0.403			
176	9.31	33.961						175.3	200	8.85	34.002		26.382	165.3	0.494			
210	8.66	34.007						162.1	250	8.11	34.064		26.544	149.9	0.575			
272	7.86	34.092						144.3	300	7.53	34.118		26.671	137.8	0.649			
367	6.87	34.173						125.0	400	6.64	34.206		26.864	119.6	0.783			
461	6.29	34.264						110.8	500	6.06	34.294		27.009	105.8	0.902			
598	5.54	34.354						95.2	600	5.53	34.355		27.123	95.0	1.010			
736	4.95	34.404						84.8	700	5.09	34.393		27.206	87.2	1.109			
877	4.45	34.450						76.0	800	4.72	34.426		27.274	80.7	1.201			
1077	3.76	34.508						64.8	1000	4.03	34.485		27.396	69.1	1.368			

STATION 68U

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7604

STATION 69D

LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		MO/DAY/YR		START TIME		BOTTOM	
30	26.5 N	118	11.0 W	05/05/76	0705	GMT	3075 M	31	03.0 N	118	50.5 W	05/06/76	0415	GMT	2791 M				
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS				
310	17 KT	320 05 07	2	1019.0 MB	14.1 C	11.3 C	8/8 SC	320	14 KT	320 06 08	1	1018.6 MB	14.5 C	11.4 C	6/8 SC				
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD								
0	15.08	33.58	24.882	307.9	0.000	0	14.84	33.54	24.903	305.9	0.000								
10	15.08	33.59	24.889	307.2	0.031	10	14.85	33.54	24.901	306.1	0.031								
20	15.08	33.59	24.889	307.2	0.062	20	14.85	33.54	24.901	306.1	0.061								
30	15.07	33.59	24.891	307.0	0.092	30	14.85	33.54	24.901	306.1	0.092								
40	14.92	33.60	24.932	303.2	0.123	40	14.23	33.50	25.002	296.5	0.122								
50	14.35	33.58	25.038	293.0	0.153	50	13.82	33.49	25.079	289.1	0.152								
75	12.33	33.49	25.376	260.9	0.222	75	12.45	33.40	25.283	269.7	0.222								
100	10.79	33.60	25.745	225.8	0.284	100	11.18	33.44	25.551	244.3	0.287								
125	10.02	33.69	25.948	206.6	0.338	125	10.40	33.66	25.859	214.9	0.345								
150	9.35	33.86	26.191	183.4	0.388	150	9.56	33.80	26.110	191.1	0.396								
175	8.79	33.96	26.359	167.5	0.433	175	9.13	33.92	26.274	175.6	0.443								
200	8.44	34.00	26.444	159.4	0.474	200	8.85	33.98	26.365	166.9	0.486								
225	8.18	34.05	26.523	151.9	0.514	225	8.47	34.03	26.463	157.6	0.528								
250	7.69	34.04	26.587	145.8	0.552	250	8.10	34.07	26.550	149.3	0.567								
275	7.50	34.08	26.646	140.2	0.589	275	7.72	34.11	26.638	141.0	0.605								
300	7.21	34.10	26.703	134.8	0.625	300	7.45	34.15	26.708	134.3	0.640								
350	6.95	34.17	26.794	126.2	0.692	350	7.10	34.19	26.789	126.7	0.708								
400	6.72	34.21	26.857	120.3	0.757	400	6.74	34.24	26.877	118.3	0.772								
450	6.50	34.27	26.933	113.0	0.818	450	6.59	34.30	26.945	111.9	0.833								
500	6.22	34.30	26.994	107.3	0.877	500	6.10	34.30	27.009	105.8	0.891								
550	5.90	34.32	27.050	101.9	0.933	550	5.76	34.30	27.052	101.8	0.946								
600	5.51	34.33	27.106	96.6	0.986	600	5.46	34.34	27.120	95.3	0.999								
650	5.31	34.37	27.162	91.3	1.037	650	5.24	34.36	27.162	91.3	1.049								
700	5.08	34.37	27.189	88.8	1.086	700	5.14	34.40	27.206	87.2	1.098								
750	4.90	34.40	27.233	84.5	1.133	750	4.89	34.41	27.242	83.7	1.145								
800	4.69	34.41	27.265	81.5	1.179	800	4.68	34.42	27.274	80.7	1.190								
850	4.47	34.43	27.305	77.7	1.223	850	4.44	34.44	27.316	76.7	1.233								
900	4.33	34.45	27.336	74.8	1.265	900	4.27	34.45	27.343	74.2	1.276								
950	4.17	34.47	27.369	71.7	1.306	950	4.15	34.47	27.371	71.5	1.316								
1000	4.00	34.48	27.395	69.2	1.346	1000	3.96	34.48	27.399	68.8	1.356								
1022	3.94	34.48	27.401	68.7	1.363														

STATION 70D RV ALEXANDER AGASSIZ

CRUISE 7604 STATION 71U

LATITUDE 30 32.5 N LONGITUDE 119 00.0 W MO/DAY/YR 05/06/76 START TIME 0930 GMT BOTTOM 2791 M

LATITUDE 30 19.5 N LONGITUDE 119 11.0 W MO/DAY/YR 05/06/76 START TIME 1248 GMT BOTTOM 3358 M

WIND 320 SPEED 14 KT WAVES 320 06 08 WEA 2 BAROMETER 1016.6 MB DRY 13.8 C WET 10.6 C CLOUDS 8/8 SC

WIND 330 SPEED 15 KT WAVES 320 06 08 WEA 2 BAROMETER 1016.3 MB DRY 13.5 C WET 10.4 C CLOUDS 8/8 SC

Z	T	S	SIGT	DT	DD
0	15.10	33.61	24.900	306.2	0.000
10	15.10	33.61	24.900	306.2	0.031
20	15.10	33.61	24.900	306.2	0.061
30	15.10	33.61	24.900	306.2	0.092
40	15.09	33.61	24.902	306.0	0.123
50	14.65	33.58	24.974	299.1	0.153
75	13.33	33.50	25.187	278.9	0.226
100	11.31	33.52	25.590	240.6	0.291
125	10.28	33.67	25.888	212.2	0.348
150	9.59	33.82	26.121	190.1	0.399
175	8.94	33.92	26.304	172.7	0.445
200	8.48	33.99	26.430	160.7	0.488
225	8.30	34.02	26.481	155.9	0.529
250	7.99	34.07	26.567	147.8	0.568
275	7.66	34.10	26.639	140.9	0.605
300	7.44	34.15	26.710	134.2	0.640
350	7.12	34.20	26.794	126.2	0.708
400	6.72	34.23	26.872	118.8	0.772
450	6.35	34.26	26.945	111.9	0.833
500	6.07	34.29	27.005	106.2	0.891
550	5.71	34.33	27.081	98.9	0.945
600	5.53	34.35	27.119	95.3	0.997
650	5.34	34.38	27.166	90.9	1.048
700	5.08	34.40	27.213	86.5	1.096
750	4.86	34.43	27.262	81.9	1.142
800	4.69	34.44	27.289	79.3	1.187
850	4.49	34.46	27.327	75.7	1.230
900	4.30	34.47	27.355	73.0	1.271
1000	3.97	34.49	27.406	68.2	1.351

Z	T	S	SIGT	DT	DD
0	14.79	33.54	24.914	304.9	0.000
10	14.80	33.54	24.911	305.1	0.031
20	14.79	33.54	24.914	304.9	0.061
30	14.80	33.55	24.919	304.4	0.092
40	14.59	33.56	24.972	299.3	0.122
50	13.47	33.47	25.136	283.8	0.151
75	12.46	33.43	25.304	267.7	0.220
100	11.86	33.53	25.496	249.5	0.286
125	10.43	33.64	25.839	216.9	0.345
150	9.70	33.76	26.056	196.3	0.397
175	8.98	33.92	26.297	173.3	0.444
200	8.64	33.98	26.398	163.8	0.487
225	8.04	34.00	26.505	153.7	0.528
250	7.65	34.04	26.593	145.3	0.566
275	7.47	34.06	26.635	141.3	0.603
300	7.00	34.07	26.708	134.3	0.638
350	6.55	34.09	26.785	127.1	0.706
400	6.11	34.13	26.874	118.6	0.770
450	6.01	34.22	26.957	110.7	0.830
500	5.97	34.29	27.018	105.0	0.887
550	5.69	34.32	27.076	99.4	0.942
600	5.39	34.35	27.136	93.7	0.994
650	5.16	34.37	27.180	89.6	1.043
700	5.00	34.39	27.214	86.4	1.091
750	4.84	34.41	27.248	83.1	1.138
800	4.60	34.43	27.291	79.1	1.182
850	4.36	34.44	27.325	75.9	1.225
900	4.24	34.46	27.354	73.1	1.267
950	4.07	34.47	27.380	70.7	1.307
1000	3.89	34.48	27.406	68.2	1.346
1100	3.65	34.50	27.446	64.4	1.421
1200	3.38	34.53	27.497	59.6	1.492
1300	3.12	34.55	27.537	55.8	1.559
1400	2.93	34.56	27.562	53.4	1.623
1477	2.80	34.57	27.582	51.5	1.671

STATION 72D RV ALEXANDER AGASSIZ

CALGOFI CRUISE 7604 STATION 73U

LATITUDE 30 55.5 N LONGITUDE 118 32.5 W MO/DAY/YR 05/06/76 START TIME 1855 GMT BOTTOM 2546 M

LATITUDE 30 55.5 N LONGITUDE 118 28.5 W MO/DAY/YR 05/07/76 START TIME 0738 GMT BOTTOM 2135 M

WIND 280 SPEED 09 KT WAVES 320 07 05 WEA 2 BAROMETER 1015.9 MB DRY 14.1 C WET 12.0 C CLOUDS 8/8 SC

WIND 270 SPEED 10 KT WAVES 300 05 06 WEA 2 BAROMETER 1015.2 MB DRY 13.9 C WET 10.4 C CLOUDS 8/8 SC

Z	T	S	SIGT	DT	DD
0	14.99	33.59	24.909	305.3	0.000
10	15.00	33.59	24.907	305.5	0.031
20	15.00	33.59	24.907	305.5	0.061
30	14.99	33.59	24.909	305.3	0.092
40	14.74	33.56	24.940	302.4	0.122
50	14.27	33.55	25.032	293.6	0.152
75	12.95	33.46	25.232	274.6	0.224
100	11.29	33.58	25.640	235.8	0.288
125	10.34	33.73	25.924	208.8	0.344
150	9.75	33.92	26.172	185.2	0.394
175	9.45	34.03	26.307	172.4	0.440
200	9.21	34.11	26.409	162.7	0.482
225	9.03	34.14	26.461	157.8	0.523
250	8.83	34.17	26.517	152.5	0.563
275	8.57	34.19	26.573	147.2	0.602
300	8.43	34.22	26.618	142.9	0.640
350	8.05	34.25	26.699	135.2	0.712
400	7.55	34.27	26.788	126.8	0.781
450	6.84	34.28	26.895	116.6	0.845
500	6.45	34.28	26.948	111.6	0.905
550	6.10	34.33	27.033	103.6	0.963
600	5.86	34.35	27.079	99.2	1.017
650	5.56	34.36	27.124	94.9	1.070
700	5.26	34.38	27.176	90.0	1.120
750	4.93	34.40	27.230	84.9	1.168
800	4.72	34.41	27.262	81.9	1.214
850	4.54	34.44	27.305	77.7	1.258
900	4.41	34.44	27.320	76.4	1.301
950	4.22	34.46	27.356	72.9	1.343
1000	4.11	34.47	27.375	71.1	1.384
1072	3.93	34.49	27.410	67.8	1.440

Z	T	S	SIGT	DT	DD
0	14.97	33.58	24.906	305.7	0.000
10	14.97	33.58	24.906	305.7	0.031
20	14.97	33.58	24.906	305.7	0.061
30	14.97	33.58	24.906	305.7	0.092
40	14.97	33.58	24.906	305.7	0.122
50	14.15	33.55	25.057	291.2	0.152
75	12.51	33.48	25.333	264.9	0.222
100	11.25	33.58	25.647	235.1	0.285
125	10.03	33.81	26.039	197.8	0.340
150	9.66	33.94	26.203	182.3	0.388
175	9.46	34.03	26.306	172.5	0.433
200	9.29	34.07	26.365	166.9	0.477
225	9.03	34.13	26.454	158.5	0.519
250	8.72	34.18	26.542	150.2	0.558
275	8.53	34.22	26.602	144.4	0.596
300	8.40	34.25	26.646	140.3	0.633
350	7.92	34.27	26.734	131.9	0.704
400	7.37	34.26	26.806	125.1	0.771
450	6.99	34.27	26.867	119.3	0.836
500	6.43	34.27	26.943	112.1	0.897
550	6.24	34.31	26.999	106.8	0.956
600	5.87	34.34	27.070	100.1	1.011
650	5.46	34.37	27.144	93.0	1.063
700	5.11	34.38	27.193	88.3	1.113
750	4.91	34.39	27.224	85.4	1.160
800	4.79	34.41	27.254	82.6	1.207
850	4.55	34.43	27.296	78.6	1.251
900	4.39	34.44	27.322	76.2	1.294
950	4.17	34.46	27.361	72.4	1.336
1000	4.06	34.47	27.381	70.6	1.376
1038	3.98	34.48	27.397	69.0	1.406

STATION		74U		RV ALEXANDER AGASSIZ					CRUISE 7604					STATION		75U	
LATITUDE	LONGITUDE	MO/DAY/YR		START TIME		BOTTOM		LATITUDE	LONGITUDE	MO/DAY/YR		START TIME		BOTTOM			
30 51.0 N	118 32.0 W	05/07/76		0919 GMT		2697 M		30 46.5 N	118 36.5 W	05/07/76		1052 GMT		2791 M			
WIND	SPEED	WAVES		WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES		WEA	BAROMETER	DRY	WET	CLOUDS
290	11 KT	310	05 06	2	1014.9 MB	13.8 C	10.8 C	8/8 SC	310	07 KT	310	05 06	2	1014.6 MB	13.9 C	11.1 C	8/8 SC
Z	T	S	SIGT	DT	DD												
0	14.96	33.57	24.900	306.2	0.000												
10	14.96	33.57	24.900	306.2	0.031												
20	14.97	33.57	24.898	306.4	0.061												
30	14.97	33.57	24.898	306.4	0.092												
40	14.86	33.57	24.922	304.1	0.123												
50	13.98	33.51	25.062	290.8	0.153												
75	12.06	33.51	25.443	254.5	0.221												
100	10.84	33.63	25.759	224.5	0.281												
125	10.13	33.79	26.007	200.9	0.335												
150	9.57	34.00	26.264	176.5	0.383												
175	9.31	34.08	26.369	166.5	0.427												
200	9.09	34.12	26.436	160.2	0.468												
225	8.88	34.16	26.501	154.0	0.509												
250	8.75	34.18	26.537	150.6	0.548												
275	8.62	34.21	26.581	146.4	0.586												
300	8.50	34.25	26.630	141.7	0.624												
350	8.26	34.30	26.706	134.5	0.696												
400	7.62	34.29	26.794	126.2	0.764												
450	6.92	34.26	26.869	119.1	0.829												
500	6.58	34.27	26.923	114.0	0.891												
550	6.16	34.29	26.993	107.3	0.950												
600	5.70	34.32	27.075	99.6	1.005												
650	5.55	34.36	27.125	94.8	1.058												
700	5.27	34.38	27.175	90.1	1.108												
750	4.86	34.40	27.238	84.1	1.156												
800	4.76	34.41	27.257	82.3	1.201												
850	4.57	34.42	27.286	79.5	1.246												
900	4.36	34.44	27.325	75.9	1.289												
950	4.20	34.46	27.358	72.7	1.331												
1000	4.06	34.47	27.381	70.6	1.371												
						1022	3.96	34.48	27.399	68.8	1.387						

STATION		76U		RV ALEXANDER AGASSIZ					CALCOFI CRUISE 7604					STATION		77D	
LATITUDE	LONGITUDE	MO/DAY/YR		START TIME		BOTTOM		LATITUDE	LONGITUDE	MO/DAY/YR		START TIME		BOTTOM			
30 42.0 N	118 40.0 W	05/07/76		1234 GMT		2135 M		30 35.0 N	118 51.0 W	05/07/76		1605 GMT		3198 M			
WIND	SPEED	WAVES		WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES		WEA	BAROMETER	DRY	WET	CLOUDS
310	10 KT	310	04 06	2	1014.6 MB	14.0 C	10.4 C	8/8 SC	320	09 KT	320	08 07	2	1017.3 MB	15.2 C	11.9 C	8/8 SC
Z	T	S	SIGT	DT	DD												
0	14.96	33.59	24.915	304.7	0.000												
10	14.96	33.59	24.915	304.7	0.030												
20	14.97	33.59	24.913	304.9	0.061												
30	14.96	33.59	24.915	304.7	0.092												
40	14.91	33.59	24.926	303.7	0.122												
50	14.26	33.58	25.057	291.2	0.152												
75	12.67	33.49	25.310	267.2	0.222												
100	11.47	33.56	25.591	240.4	0.286												
125	10.36	33.76	25.944	206.9	0.343												
150	9.78	33.91	26.159	186.4	0.393												
175	9.45	34.00	26.284	174.6	0.438												
200	9.27	34.07	26.368	166.6	0.482												
225	9.03	34.10	26.430	160.7	0.524												
250	8.80	34.15	26.505	153.6	0.564												
275	8.49	34.18	26.577	146.8	0.603												
300	8.34	34.23	26.639	140.9	0.640												
350	7.76	34.25	26.742	131.2	0.711												
400	7.32	34.25	26.805	125.1	0.778												
450	7.03	34.26	26.854	120.5	0.843												
500	6.37	34.25	26.935	112.9	0.905												
550	5.94	34.29	27.022	104.6	0.963												
600	5.68	34.32	27.077	99.3	1.018												
650	5.35	34.35	27.141	93.3	1.070												
700	5.07	34.38	27.198	87.9	1.119												
750	4.86	34.40	27.238	84.1	1.166												
800	4.62	34.42	27.281	80.1	1.211												
850	4.49	34.43	27.303	78.0	1.255												
900	4.23	34.46	27.355	73.0	1.297												
950	4.06	34.47	27.381	70.6	1.337												
1000	3.93	34.48	27.402	68.5	1.376												
						1031	3.91	34.49	27.412	67.6	1.373						





STATION		82D		RV ALEXANDER AGASSIZ					CRUISE 7604					STATION		83D	
LATITUDE	LONGITUDE	MO/DAY/YR		START TIME		BOTTOM		LATITUDE	LONGITUDE	MO/DAY/YR		START TIME		BOTTOM			
30 03.0 N	116 26.5 W	05/08/76		1732 GMT		2791 M		30 00.0 N	116 13.0 W	05/08/76		2000 GMT		1445 M			
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS		
320	12 KT	320 03 08	1	1017.9 MB	17.5 C	14.6 C	2/8 SC	320	15 KT	320 04 06	1	1017.3 MB	18.0 C	15.0 C	1/8 ST		
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD						
0	15.80	33.67	24.791	316.5	0.000	0	16.18	33.65	24.690	326.2	0.000						
10	15.71	33.66	24.804	315.3	0.032	10	16.13	33.65	24.701	325.1	0.033						
20	15.68	33.66	24.811	314.7	0.063	20	15.91	33.65	24.751	320.3	0.065						
30	15.57	33.64	24.820	313.8	0.095	30	15.76	33.65	24.785	317.1	0.097						
40	15.08	33.59	24.889	307.2	0.126	40	15.07	33.59	24.891	307.0	0.128						
50	14.81	33.59	24.948	301.6	0.156	50	14.72	33.57	24.952	301.3	0.159						
75	12.46	33.47	25.335	264.8	0.228	75	12.50	33.49	25.343	264.0	0.230						
100	10.90	33.59	25.717	228.4	0.290	100	10.64	33.63	25.794	221.1	0.291						
125	9.85	33.75	26.023	199.4	0.344	125	9.91	33.85	26.091	192.9	0.343						
150	9.65	33.95	26.212	181.4	0.392	150	9.39	33.94	26.247	178.1	0.390						
175	9.42	34.09	26.359	167.5	0.436	175	9.05	34.00	26.349	168.5	0.434						
200	8.86	34.07	26.434	160.4	0.478	200	8.66	34.04	26.441	159.7	0.476						
225	8.62	34.11	26.502	153.9	0.519	225	8.98	34.20	26.516	152.6	0.516						
250	8.44	34.18	26.585	146.0	0.557	250	8.52	34.18	26.573	147.2	0.555						
275	8.37	34.26	26.658	139.1	0.594	275	8.63	34.28	26.634	141.4	0.592						
300	7.90	34.23	26.706	134.6	0.630	300	8.76	34.39	26.699	135.2	0.628						
350	7.67	34.29	26.786	126.9	0.698	350	8.14	34.38	26.787	126.9	0.697						
400	7.57	34.38	26.871	118.9	0.762	400	7.69	34.37	26.846	121.3	0.762						
450	6.93	34.36	26.946	111.8	0.823	450	7.16	34.37	26.922	114.1	0.824						
500	6.47	34.37	27.016	105.2	0.881	500	6.92	34.37	26.955	110.9	0.884						
550	6.09	34.38	27.073	99.7	0.936	550	6.50	34.37	27.012	105.5	0.942						
600	5.90	34.39	27.105	96.7	0.989	600	6.07	34.37	27.068	100.2	0.998						
650	5.69	34.39	27.131	94.2	1.041	650	5.73	34.39	27.127	94.7	1.050						
700	5.38	34.41	27.185	89.1	1.091	700	5.54	34.41	27.166	91.0	1.101						
750	5.10	34.42	27.226	85.2	1.139	750	5.20	34.41	27.207	87.1	1.150						
800	4.94	34.43	27.253	82.7	1.185	800	4.97	34.42	27.241	83.8	1.197						
850	4.70	34.44	27.288	79.4	1.230	850	4.80	34.43	27.269	81.2	1.243						
900	4.49	34.45	27.319	76.5	1.273	900	4.64	34.44	27.294	78.8	1.288						
950	4.33	34.46	27.344	74.1	1.316	950	4.44	34.45	27.324	75.9	1.331						
1000	4.13	34.48	27.381	70.5	1.357	1000	4.27	34.47	27.359	72.7	1.373						
1032	4.05	34.49	27.398	69.0	1.382	1073	3.93	34.49	27.410	67.8	1.431						

STATION		84D		RV ALEXANDER AGASSIZ					CALCOPI CRUISE 7604					STATION		85D	
LATITUDE	LONGITUDE	MO/DAY/YR		START TIME		BOTTOM		LATITUDE	LONGITUDE	MO/DAY/YR		START TIME		BOTTOM			
30 01.5 N	116 07.5 W	05/08/76		2140 GMT		816 M		30 01.5 N	116 02.0 W	05/08/76		2310 GMT		538 M			
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS		
320	15 KT	320 05 08	1	1017.6 MB	18.0 C	15.0 C	2/8 SC	320	18 KT	320 05 08	1	1016.9 MB	17.1 C	15.0 C	4/8 SC		
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD						
0	16.15	33.64	24.689	326.3	0.000	0	15.96	33.64	24.732	322.2	0.000						
10	16.07	33.63	24.700	325.3	0.033	10	15.79	33.63	24.763	319.2	0.032						
20	15.90	33.63	24.738	321.6	0.065	20	15.53	33.63	24.821	313.7	0.064						
30	15.41	33.62	24.840	311.9	0.097	30	14.91	33.60	24.934	303.0	0.095						
40	14.87	33.59	24.935	302.9	0.128	40	13.85	33.53	25.104	286.8	0.124						
50	14.52	33.56	24.987	297.9	0.158	50	11.99	33.50	25.448	254.0	0.151						
75	11.36	33.54	25.596	240.0	0.225	75	10.90	33.63	25.749	225.5	0.212						
100	10.49	33.71	25.883	212.7	0.282	100	9.71	33.89	26.156	186.8	0.264						
125	9.73	33.94	26.191	183.4	0.333	125	9.65	33.96	26.220	180.7	0.310						
150	9.68	34.04	26.277	175.2	0.378	150	9.64	34.11	26.338	169.4	0.355						
175	9.51	34.11	26.360	167.4	0.422	175	9.59	34.20	26.417	162.0	0.397						
200	9.43	34.20	26.443	159.5	0.463	200	9.12	34.22	26.509	153.2	0.437						
225	9.31	34.28	26.525	151.7	0.503	225	9.20	34.31	26.567	147.8	0.476						
250	9.14	34.34	26.600	144.6	0.542	250	9.13	34.33	26.594	145.2	0.514						
275	8.86	34.33	26.637	141.1	0.579	275	9.07	34.34	26.611	143.6	0.551						
300	8.82	34.36	26.666	138.3	0.615	300	9.02	34.36	26.635	141.3	0.588						
350	8.38	34.38	26.751	130.3	0.685	350	8.76	34.37	26.684	136.7	0.661						
400	8.16	34.38	26.784	127.1	0.753	400	8.33	34.38	26.758	129.6	0.731						
450	7.49	34.37	26.875	118.5	0.818	450	7.69	34.38	26.854	120.5	0.797						
500	6.98	34.37	26.947	111.7	0.879	500	6.74	34.37	26.980	108.6	0.858						
550	6.60	34.37	26.999	106.8	0.938												
600	6.32	34.37	27.036	103.3	0.994												
650	5.79	34.38	27.111	96.1	1.049												
700	5.54	34.39	27.150	92.4	1.100												
750	5.27	34.40	27.190	88.6	1.150												

STATION		86D		RV ALEXANDER AGASSIZ				CRUISE 7604				STATION		87D	
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM		LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM					
30 40.5 N	116 21.0 W	05/09/76	0445 GMT	112 M		30 40.5 N	116 26.5 W	05/09/76	0542 GMT	687 M					
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
320	12 KT	320 06 08	1	1018.3 MB	15.2 C	13.7 C	6/8 SC	320	12 KT	320 06 08	2	1018.3 MB	15.2 C	12.7 C	8/8 SC
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD				
0	15.59	33.67	24.838	312.1	0.000	0	15.36	33.69	24.905	305.7	0.000				
10	15.59	33.67	24.838	312.1	0.031	10	15.35	33.69	24.907	305.5	0.031				
20	14.49	33.59	25.016	295.1	0.062	20	14.16	33.58	25.078	289.2	0.060				
30	13.03	33.50	25.247	273.2	0.090	30	13.02	33.61	25.334	264.9	0.088				
40	11.84	33.57	25.530	246.2	0.116	40	12.00	33.57	25.500	249.1	0.114				
50	11.18	33.63	25.698	230.3	0.140	50	11.05	33.59	25.691	231.0	0.138				
75	10.06	33.75	25.988	202.7	0.195	75	10.12	33.74	25.970	204.4	0.193				
100	9.88	33.89	26.127	189.5	0.244	100	9.46	33.86	26.173	185.1	0.242				
						125	8.95	33.95	26.326	170.7	0.287				
						150	8.65	34.01	26.420	161.7	0.329				
						175	9.15	34.21	26.497	154.4	0.369				
						200	9.16	34.29	26.557	148.6	0.408				
						225	9.13	34.31	26.578	146.7	0.446				
						250	8.80	34.31	26.630	141.7	0.483				
						275	8.33	34.25	26.656	139.2	0.520				
						300	8.16	34.27	26.698	135.3	0.555				
						350	7.91	34.32	26.774	128.1	0.624				
						400	7.78	34.36	26.825	123.3	0.690				
						450	7.42	34.36	26.877	118.3	0.754				
						500	6.84	34.36	26.958	110.6	0.815				
						550	6.33	34.37	27.034	103.4	0.872				
						592	5.96	34.36	27.074	99.6	0.918				

STATION		88D		RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7604				STATION		89D	
LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM		LATITUDE	LONGITUDE	MO/DAY/YR	START TIME	BOTTOM					
30 40.5 N	116 32.5 W	05/09/76	0702 GMT	1186 M		30 40.5 N	116 38.5 W	05/09/76	0847 GMT	2114 M					
WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	CLOUDS
320	10 KT	320 06 08	2	1017.9 MB	15.1 C	13.5 C	8/8 SC	320	10 KT	320 06 08	2	1017.6 MB	15.0 C	13.5 C	8/8 SC
Z	T	S	SIGT	DT	DD	Z	T	S	SIGT	DT	DD				
0	15.41	33.69	24.894	306.8	0.000	0	15.35	33.69	24.907	305.5	0.000				
10	15.41	33.69	24.894	306.8	0.031	10	15.36	33.69	24.905	305.7	0.031				
20	14.52	33.67	25.071	289.9	0.061	20	14.40	33.64	25.074	289.6	0.060				
30	13.17	33.62	25.312	267.0	0.088	30	12.52	33.59	25.416	257.0	0.088				
40	11.75	33.58	25.555	243.9	0.114	40	11.36	33.61	25.650	234.8	0.112				
50	11.33	33.62	25.663	233.6	0.138	50	10.91	33.67	25.778	222.7	0.135				
75	10.26	33.75	25.954	206.0	0.193	75	10.02	33.79	26.026	199.1	0.188				
100	9.41	33.85	26.174	185.1	0.243	100	9.67	33.94	26.201	182.5	0.237				
125	8.95	33.94	26.318	171.4	0.288	125	9.34	34.03	26.326	170.7	0.281				
150	8.56	33.99	26.418	161.9	0.330	150	8.75	34.00	26.396	164.0	0.324				
175	8.31	34.03	26.487	155.3	0.370	175	8.81	34.12	26.460	155.9	0.365				
200	8.15	34.09	26.558	148.5	0.409	200	8.72	34.20	26.557	148.7	0.404				
225	8.94	34.32	26.616	143.1	0.447	225	8.92	34.33	26.627	142.0	0.441				
250	8.80	34.33	26.646	140.2	0.483	250	8.83	34.36	26.665	138.5	0.477				
275	8.21	34.27	26.690	136.0	0.519	275	8.67	34.36	26.690	136.1	0.513				
300	8.01	34.29	26.736	131.7	0.554	300	7.95	34.28	26.737	131.6	0.547				
350	7.89	34.36	26.809	124.8	0.621	350	7.89	34.38	26.825	123.3	0.614				
400	7.63	34.36	26.847	121.2	0.685	400	7.43	34.36	26.876	118.4	0.678				
450	7.20	34.37	26.916	114.6	0.748	450	6.99	34.34	26.922	114.1	0.739				
500	6.64	34.34	26.970	109.5	0.807	500	6.58	34.35	26.985	108.1	0.798				
550	6.28	34.35	27.025	104.3	0.865	550	6.17	34.36	27.047	102.2	0.854				
600	5.92	34.37	27.087	98.4	0.919	600	5.86	34.37	27.094	97.7	0.908				
650	5.73	34.38	27.119	95.4	0.972	650	5.67	34.38	27.126	94.7	0.960				
700	5.42	34.38	27.156	91.8	1.023	700	5.33	34.39	27.175	90.1	1.011				
750	5.14	34.41	27.213	86.4	1.072	750	5.10	34.41	27.218	86.0	1.059				
800	4.89	34.42	27.250	82.9	1.118	800	4.83	34.42	27.257	82.3	1.105				
850	4.73	34.43	27.276	80.5	1.164	850	4.66	34.43	27.284	79.7	1.150				
900	4.39	34.45	27.330	75.4	1.207	900	4.49	34.45	27.319	76.5	1.194				
950	4.28	34.46	27.350	73.5	1.249	950	4.32	34.46	27.345	73.9	1.236				
1000	4.07	34.48	27.388	69.9	1.289	1000	4.12	34.47	27.374	71.2	1.277				
1040	3.97	34.49	27.406	68.2	1.321	1045	3.98	34.48	27.397	69.0	1.313				



STATION 94D

RV ALEXANDER AGASSIZ

CRUISE 7604

STATION 95D

LATITUDE LONGITUDE MO/DAY/YR START TIME BOTTOM  
 30 49.5 N 118 35.0 W 05/10/76 0723 GMT 2886 M

LATITUDE LONGITUDE MO/DAY/YR START TIME BOTTOM  
 31 45.0 N 117 12.5 W 05/10/76 1730 GMT 1387 M

WIND SPEED WAVES WEA BAROMETER DRY WET CLOUDS  
 340 11 KT 320 07 10 2 1018.3 MB 14.0 C 12.4 C 8/8 SC

WIND SPEED WAVES WEA BAROMETER DRY WET CLOUDS  
 330 10 KT 320 04 08 2 1016.9 MB 15.9 C 14.2 C 8/8 SC

Z	T	S	SIGT	DT	DD
0	15.12	33.59	24.881	308.0	0.000
10	15.13	33.59	24.878	308.2	0.031
20	15.13	33.59	24.878	308.2	0.062
30	15.10	33.59	24.885	307.6	0.093
40	14.96	33.59	24.915	304.7	0.123
50	14.38	33.56	25.016	295.1	0.153
75	12.24	33.50	25.401	258.5	0.223
100	11.14	33.61	25.690	231.0	0.285
125	10.03	33.83	26.055	196.4	0.339
150	9.62	33.97	26.233	179.5	0.386
175	9.31	34.06	26.354	168.0	0.431
200	9.12	34.11	26.423	161.4	0.473
225	8.88	34.16	26.501	154.0	0.513
250	8.75	34.18	26.537	150.6	0.552
275	8.56	34.22	26.598	144.8	0.591
300	8.43	34.26	26.649	140.0	0.627
350	8.20	34.29	26.708	134.4	0.699
400	7.44	34.28	26.812	124.5	0.767
450	6.94	34.27	26.874	118.6	0.831
500	6.31	34.28	26.966	109.9	0.892
550	5.87	34.31	27.046	102.3	0.948
600	5.56	34.34	27.108	96.4	1.001
650	5.47	34.37	27.143	93.2	1.053
700	5.18	34.39	27.193	88.4	1.102
750	4.88	34.40	27.236	84.3	1.149
800	4.62	34.42	27.281	80.1	1.195
850	4.51	34.43	27.301	78.2	1.238
900	4.43	34.44	27.317	76.6	1.282
950	4.17	34.46	27.361	72.4	1.323
1000	3.98	34.48	27.397	69.0	1.363

Z	T	S	SIGT	DT	DD
0	15.85	33.66	24.772	318.3	0.000
10	15.85	33.66	24.772	318.3	0.032
20	15.66	33.64	24.800	315.7	0.064
30	14.61	33.60	24.998	296.8	0.094
40	14.23	33.60	25.079	289.2	0.124
50	13.53	33.58	25.208	276.9	0.152
75	11.70	33.52	25.518	247.4	0.218
100	10.50	33.63	25.819	218.8	0.277
125	9.64	33.78	26.081	193.8	0.329
150	9.05	33.95	26.310	172.2	0.375
175	8.61	34.02	26.434	160.4	0.418
200	8.27	34.08	26.533	151.0	0.457
225	8.23	34.14	26.586	146.0	0.496
250	7.92	34.16	26.648	140.1	0.532
275	7.74	34.20	26.706	134.6	0.568
300	7.69	34.23	26.736	131.7	0.602
350	7.39	34.26	26.803	125.3	0.669
400	7.02	34.28	26.871	118.9	0.733
450	6.81	34.31	26.923	114.0	0.795
500	6.37	34.34	27.006	106.1	0.853
550	6.00	34.35	27.061	100.9	0.909
600	5.63	34.35	27.107	96.5	0.962
650	5.42	34.36	27.141	93.3	1.013
700	5.15	34.38	27.189	88.8	1.062
750	4.95	34.39	27.220	85.9	1.110
800	4.76	34.41	27.257	82.3	1.156
850	4.60	34.42	27.283	79.8	1.201
900	4.46	34.44	27.314	76.9	1.245
950	4.25	34.46	27.353	73.2	1.287
1000	4.13	34.47	27.373	71.3	1.328
1091	3.84	34.49	27.419	66.9	1.399

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